VOLUME 2

OF 2

DSA PRE-CHECKED RELOCATABLE BUILDING DRAWINGS

THIS PROJECT IS THE INSTALLATION OF CLASSROOM AND RESTROOM RELOCATABLE BUILDINGS FROM STOCKPILE RELOCATABLE BUILDINGS ON THE EXISTING CAMPUS TENNIS COURTS BY 10TH STREE, TO SERVE AS INTERIM HOUSING. THE PROJECT INCLUDES BUT IS NOT LIMITED TO:

1. SELECTIVE DEMOLITION
2. ELECTRICAL WORK
3. DATA WORK
4. CIVIL AND SITE IMPROVEMENTS WORK.
5. MINOR LANDSCAPING WORK

THESE RELOCATABLE BUILDINGS ARE ONLY FOR TEMPORARY USE AND ARE LIMINTED TO USE FOR 36 MONTHS ACCORDINGLY FROM THE DATE OF INSTALLATION.

PROJECT SUMMARY

DIVISION OF THE STATE ARCHITECT (DSA)
DSA OAKLAND REGIONAL OFFICE
1515 CLAY ST, SUITE 1201
OAKLAND, CA 94612
P:1.510.622.3101

LOCAL FIRE AUTHORITY
OAKLAND FIRE DEPARTMENT
ADMINSTRATION
150 FRANK H OGAWA PLAZA
OAKLAND, CA 94612
P: 1.510.238.3856

GOVERNING AGENCIES

THIS PROJECT SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

FEDERAL:
AMERICANS WITH DISABILITIES ACT (ADA)

ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES (ADAAG)

STATE OF CALIFORNIA PARTIAL LIST OF APPLICABLE CODES AS OF JAN 1, 2020

2019 BUILDING STANDARDS ADMINISTRATIVE CODE
CALIFORNIA CODE OF REGULATIONS (CCR) PART 1, TITLE 24 C.C.R.

2019 CALIFORNIA BUILDING CODE (CBC)
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 2
(2018 INTERNATIONAL BUILDING CODE WITH THE INTERNATIONAL CODE COUNCIL WITH CALIFORNIA AMENDMENTS)

2019 CALIFORNIA ELECTRICAL CODE (CEC)
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 3
(2018 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)

2019 CALIFORNIA MECHANICAL CODE
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 4
(2018 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

2019 CALIFORNIA PLUMBING CODE
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 5
(2018 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF THE PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

2019 CALIFORNIA ENERGY CODE
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 6

2019 CALIFORNIA FIRE CODE
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9
(2018 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN CODE)
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 11

2019 CALIFORNIA REFERENCED STANDARDS CODE
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 12

PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 19

PARTIAL LIST OF APPLICABLE STANDARDS:

2019 BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35

NFPA 13	AUTOMATIC SPRINKLER SYSTEM	2016 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2016 EDITION
NFPA 17A	WET CHEMICAL SYSTEMS	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE	2016 EDITION
NFPA 80	FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2018 EDITION
UL 464	AUDIBLE SIGNAL APPLIANCES	2016 EDITION
UL 521	HEAT DETECTORS FOR FIRE PROTECTION SIGNAL SYSTEMS	1999 EDITION

APPLICABLE CODES

SVA ARCHITECTS IS THE DESIGNATED ARCHITECT OF RECORD AS REQUIRED BY THE STATE OF CALIFORNIA. THE ARCHITECT OF RECORD SHALL REVIEW SUBMITTALS AND COORDINATE SUBMITTALS AND DEFERRED SUBMITTALS THROUGH THE DIVISION OF THE STATE ARCHITECT. DEFERRED SUBMITTALS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT.

DSA SHALL BE NOTIFIED IN WRITING BY THE OWNER IF THE ARCHITECT OF RECORD IS CHANGED OR IS UNABLE TO CONTINUE TO PERFORM THE DUTIES. THE OWNER SHALL DESIGNATE A SUBSTITUTE ARCHITECT OR ENGINEER OF RECORD WHO SHALL PERFORM ALL OF THE DUTIES REQUIRED OF THE ORIGINAL ARCHITECT OF RECORD.

REVIEW AND COMMENT ON SUBMITTALS AND DEFERRED SUBMITTALS SHALL NOT RELIEVE THE AUTHOR OF THE DOCUMENTS OR THE CONTRACTOR FROM COMPLIANCE WITH ALL APPLICABLE CODES AND THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THE REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF OTHER TRADES, AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

ARCHITECT OF RECORD

STATEMENT OF GENERAL CONFORMANCE
THE DRAWINGS OR SHEETS LISTED IN THE INDEX ON THIS SHEET HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAD BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME
2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THE PROJECT.

THIS STATEMENT OF GENERAL CONFORMANCE "SHALL" NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES AND RESPONSIBILITIES UNDER SECTION 17302 AND 81138 OF THE EDUCATION CODE AND SECTION 4-336, 4-341 AND 4-344 OF TITLE 24, PART 1 (TITLE 24, PART 1 SECTION 4-317) (B))

I CERTIFY THAT ALL DRAWINGS OR SHEETS LISTED IN THE INDEX ON THIS SHEET (CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE PROTECTION) ARE IN GENERAL CONFORMANCE AND HAVE BEEN COORDINATED.

GENERAL CONFORMANCE STATEMENT

OWNER
PERALTA COMMUNITY COLLEGE DISTRICT
333 E 8TH ,
OAKLAND, CA 94606
CONTACT:
P: 510.436.2479

PROGRAM MANAGER
SWINERTON MANAGEMENT AND CONSULTING
260 TOWNSEND STREET
SAN FRANCISCO, CA 94107
CONTACT: CARYLON TYLER
P: 510.381.6011

ARCHITECT
SVA ARCHITECTS
2335 BROADWAY, SUITE 301
OAKLAND, CA 94612
CONTACT: CHRIS BRADLEY
P: 510.267.3180

CIVIL
HOHBACH-LEWIN, INC
260 SHERIDAN AVE, SUITE 150
PALO ALTO, CA 94306
CONTACT: BILL HENN
P: 650.617.5930 EXT 263

ELEC/FP/LV
tk1sc
15231 LAGUNA CANYON ROAD, SUITE 100
IRVINE,CA 92618
CONTACT: BILL VOLLER
P: 949.750.5800

PROJECT DIRECTORY

SEE GEN-1.1 FOR MORE INFORMATION

ADD ALTERNATES

1. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA), AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
3. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR: CLASS 1.
4. CCD MUST BE SIGNED AS REQUIRED BY DSA IR A-6.
5. A COPY OF CCR TITLE 24, PARTS 1 THROUGH 5 MUST BE KEPT ON SITE DURING CONSTRUCTION.
6. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH THE CFC CHAPTER 33.

GENERAL NOTES

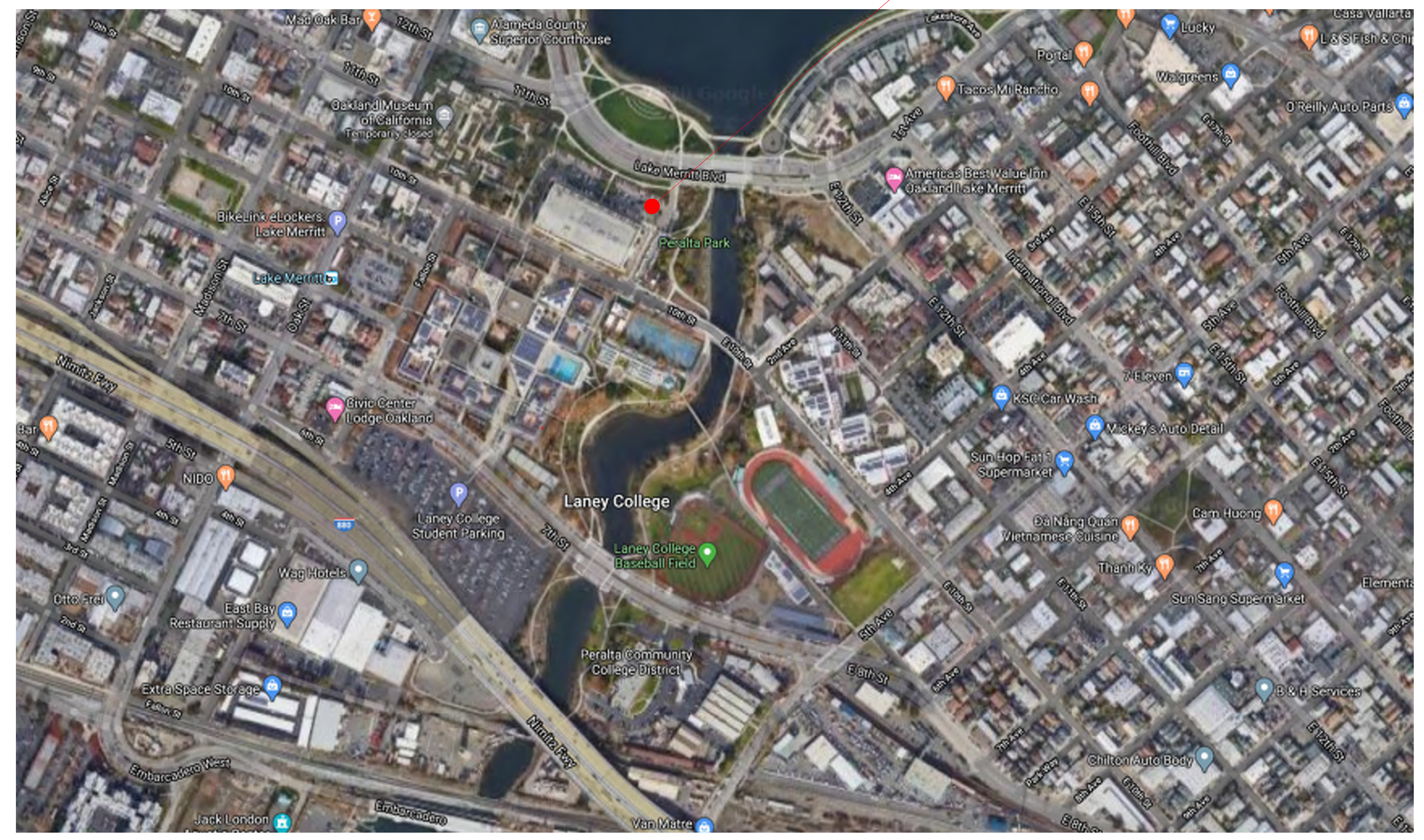
FABRICATION OF DEFERRED SUBMITTAL ITEMS SHALL NOTE BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER OF RECORD AND APPROVED BY DSA. CAC SECTION 4-317[g].

THE FOLLOWING ITEMS ARE DESIGN-BUILD SYSTEMS AND WILL BE A DEFERRED SUBMITTAL BY THE CONTRACTOR AT A LATER DATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENGINEERING AND CALCULATIONS FOR APPLICABLE ITEMS. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A CIVIL OR STRUCTURAL ENGINEER WHO SHALL BE RESPONSIBLE FOR THE DESIGN. THE CONTRACTOR SHALL SUBMIT CALCULATIONS AND SHOP DRAWINGS TO THE ARCHITECT OF RECORD, WHO SHALL REVIEW THEM AND FORWARD THEM TO THE DIVISION OF THE STATE ARCHITECT WITH NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE DIVISION OF THE STATE ARCHITECT.

1. NONE

DEFERRED APPROVALS

VICINITY MAP



PROJECT AREA

PROJECT AREA

LOCAL STREET MAP

LOCATION MAPS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

OWNER: PERALTA COMMUNITY COLLEGE DISTRICT

PROJECT NAME: LANEY COLLEGE LOCKER ROOM INTERIM HOUSING

CLIENT ADDRESS: 900 FALLON ST, OAKLAND, CA 94607

DSA SUBMITTAL

LICENSED ARCHITECT
ROBERT M. SIMONS
No. C-18301
Jan 31, 2021
STATE OF CALIFORNIA

REVISIONS:

	DESCRIPTION	DATE
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PROJECT NO: 2020-40124

DATE ISSUED: 6/5/2020

SCALE:

SHEET NUMBER: GEN-1.2

SHEET TITLE:

PROJECT INFORMATION/ COVER SHEET

ARCHITECTS

2030 FRANKLIN ST, #210 OAKLAND, CA 94612
T 510.267.3180 WWW.SVA-ARCHITECTS.COM

VOLUME 1

GENERAL

GEN-1.1	PROJECT INFORMATION & CODE ANALYSIS
GEN-2.1	SHEET INDEX
GEN-3	GENERAL NOTES
GEN-4	GENERAL ACCESSIBILITY
GEN-5	PROJECT COMPLIANCE SIGNAGE
5	

CIVIL

C1.0	COVER SHEET
C1.1	NOTES
C2.0	DEMOLITION PLAN
C3.0	GRADING AND DRAINAGE PLAN
C3.1	PAVEMENT PLAN
C4.0	UTILITY PLAN
C5.0	EROSION CONTROL PLAN
C6.0	DETAILS
8	

ARCHITECTURAL

A01.0	CAMPUS PLAN
A01.1	SITE PLAN - INTERIM HOUSING- LFA
A01.2	SITE PLAN - INTERIM HOUSING- DEMO
A01.3	SITE PLAN - INTERIM HOUSING
A02.1	OCCUPANCY AND SIGNAGE PLAN
A10.1	ENLARGED PLANS- DEMO
A10.2	ENLARGED PLANS- DEMO
A10.3	ENLARGED PLANS- DEMO
A11.1	ENLARGED PLANS
A11.2	ENLARGED PLANS
A11.3	ENLARGED PLANS
A11.4	ENLARGED PLANS
A11.7	SITE DETAILS
A11.8	ENLARGED PLAN DETAILS
A50.0	SCHEDULES
15	

ELECTRICAL

E0.0	ELECTRICAL SYMBOLS LIST
E1.0	ELECTRICAL SITE PLAN
E2.0	ENLARGED ELECTRICAL PLAN - GROUNDS A,D,E
E2.1	ENLARGED ELECTRICAL PLAN - GROUNDS A,D,E
E3.0	SINGLE LINE DIAGRAM
E4.0	DETAILS
E5.0	ENLARGED TELECOM ROOM PLAN
EFA1.0	FIRE ALARM SYSTEM INFORMATION
EFA1.1	FIRE ALARM DETAILS
EFA1.2	FIIRE ALARM RISER DIAGRAM AND CALCULATIONS
EFA2.0	FIRE ALARM PLAN- GROUPS A, D, E
EFA2.1	FIRE ALARM PLAN- GROUPS B,C
T1.0	TECHNOLOGY FACEPLATE DETAILS
T2.0	TECHNOLOGY BLOCK DIAGRAMS
T3.0	TECHNOLOGY DETAILS
15	

VOLUME 1: 43 SHEETS
VOLUME 2: 221 SHEETS
TOTAL : 264 SHEETS

VOLUME 2

REFERENCE DRAWINGS: DSA PRE-CHECKED DRAWINGS

GENERAL

GEN-1.2	PROJECT INFORMATION/ COVER SHEET
GEN-2.2	SHEET INDEX
2	

PC 1a- APPL. # 02-106373 (Based on PC 04-104917) (PORTABLES - R1, R2)
Due to illegibility of available existing PC 02-106373, please see PC1b below for reference)

TS-1 (PC1a)	TITLE AND BUILDING DATA NOTES
N-1 (PC1a)	GENERAL NOTES AND SPECIFICATIONS
1 (PC1a)	FLOOR PLANS AND NOTES
1A (PC1a)	FLOOR PLAN
2 (PC1a)	EXTERIOR ELEVATION
3 (PC1a)	CEILING GRID, DETAILS AND NOTES
4 (PC1a)	INTERIOR ELEVATIONS AND OPTIONS
S1 (PC1a)	WOOD FOUDATION PLAN & DETAILS 50 PSF FLOOR LIVE LOAD
S2 (PC1a)	BUILDING SECTIONS AND WALL DETAILS
S2A (PC1a)	BUILDING SECTIONS AND WALL DETAILS
S3 (PC1a)	ROOF FRAMING PLANS AND DETAILS
S3A (PC1a)	ROOF SECTIONS AND DETAILS
S5 (PC1a)	WALL FRAMING ELEVATIONS AND WALL DETAILS
S5R (PC1a)	RAMP PLAN, ELEVATION AND DETAILS
M1 (PC1a)	MECHANICAL PLAN AND NOTES
M2 (PC1a)	ENERGY MANDATORY MEASURES
E1 (PC1a)	ELECTRICITY LIGHTING PLAN AND NOTES
E2 (PC1a)	ELECTRICITY PLAN AND NOTES
18	

PC 1b- APPL. # 02-106184 (Based on PC 04-104917, Reference for PC1a above due to illegibility of avaialble existing drawings of PC1a 02-106373)

TS-1 (PC1b)	TITLE AND BUILDING DATA NOTES
N-1 (PC1b)	GENERAL NOTES AND SPECIFICATIONS
1 (PC1b)	FLOOR PLANS AND NOTES
2 (PC1b)	EXTERIOR ELEEVATIONS
3 (PC1b)	CEILING GRID, DETAILS AND NOTES
4 (PC1b)	INTERIOR ELEVATIONS AND OPTIONS
S1 (PC1b)	WOOD FOUNDATION PLAN AND DETAILS 50 PSF FLOOR LIVE LOAD
S2 (PC1b)	FLOOR FRAMING PLAN AND DETAILS
S2A (PC1b)	BUILDING SECTIONS AND WALL DETAILS
S3 (PC1b)	ROOF FRAMING PLANS AND DETAILS
S3A (PC1b)	ROOF FRAMING PLANS AND DETAILS
S4 (PC1b)	WALL FRAMING ELEVATIONS AND WALL DETAILS
S5R (PC1b)	RAMP PLAN, ELEVATION AND DETAILS
M1 (PC1b)	MECHANICAL PLAN AND NOTES
M2 (PC1b)	ENERGY MANDATORY MEASURES
E1 (PC1b)	ELECTRICITY LIGHTING PLAN AND NOTES
E2 (PC1b)	ELECTRICITY PLAN AND NOTES
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PC 2- APPL. # 02-106215 (PORTABLES - R3,R4)

TS-1 (PC 2)	TITLE AND BUILDING DATA NOTES
N-1 (PC 2)	GENERAL NOTES AND SPECIFICATIONS
1 (PC 2)	FLOOR PLAN AND NOTES
1A (PC 2)	FLOOR PLANS
1B ((PC 2)	FLOOR PLANS
1C (PC 2)	FLOOR PLANS
2 (PC 2)	EXTERIOR ELEVATIONS AND NOTES
3 (PC 2)	CEILING GRID, DETAILS AND NOTES
3A (PC 2)	CEILING GRIDS
4 (PC 2)	INTERIOR ELEVATIONS AND OPTIONS
4A (PC 2)	INTERIOR ELEVATIONS
S1 (PC 2)	WOOD FOUNDATION PLAN AND DETAILS 50 PSF FLOOR LIVE LOAD
S2 (PC 2)	FLOOR FRAMING PLAN AND DETAILS
S2A (PC 2)	BUILDING SECTIONS AND WALL DETAILS
S3 (PC 2)	ROOF FRAMING PLAND AND DETAILS
S3A (PC 2)	ROOF SECTIONS AND DETAILS
S4 (PC 2)	WALL FRAMING ELEVATIONS AND FRAMING DETAILS
S5R (PC 2)	RAMP PLAN, ELEVATIONS AND DETAILS
M1 (PC 2)	NECHANICAL PLAN, DETAILS AND NOTES
M1A (PC 2)	MECHANICAL PLANS
M2 (PC 2)	ENERGY MANDATORY MEASURES
E1 (PC 2)	ELECTRICAL PLAN AND NOTES
E1A (PC 2)	ELECTRICAL PLANS
E2 (PC 2)	LIGHTING PLANS AND NOTES
E2A (PC 2)	LIGHTING PLANS
25	

PC 3- APPL. # 02-107401 (PORTABLES - R5)

A0 (PC 3)	COVER SHEET, BLDG DATA, SHEET INDEX
A1 (PC 3)	FLOOR PLAN, MATERIAL SPECIFICATIONS AND NOTES
A1A (PC 3)	INTERIOR AND EXTERIOR ELEVATIONS
A2 (PC 3)	EXTERIOR HVAC UNIT MECHANICAL AND REFLECTED CEILING PLAN, HVAC WALL ATTACH,, DETAILS, HVAC SPECIFICATIONS
A3A (PC 3)	ELECTRICAL LIGHTING PLAN, DETAILS, ELECTRICAL NOTES
A3B (PC 3)	ELECTRICAL POWER AND SIGNAL PLAN
A4 (PC 3)	BI-PITCH ROOF SECTIONS AND DETAILS (2X4) EXTERIOR WALLS)
A4H (PC 3)	INTERIOR WALL CONNECTION DETAILS
A5 (PC 3)	MISCELLANEOUS DETAILS
S1W70 (PC 3)	70 PSF WOOD FOUNDATION PLAN, PIER DETAILS, NOTES
S1W70A (PC 3)	70 PSF WOOD FOUNDATION PLANS
S2 (PC 3)	BI-PITCH ROOF, CEILING, FLOOR FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES
S3 (PC 3)	BI-PITCH ROOF LONGITUDINAL BUILDING SECTION, WALL FRAMING ELEVATIONS, END FRAME ELEVATION, NAIL SCHEDULE
S4 (PC 3)	STRUCTURAL CONNECTION DETAILS
S5R (PC 3)	ACCESSIBLE RAMP
A0(PC 3)	COVER SHEET, BLDG DATA, SHEET INDEX
(A)A1 (PC 3)	FLOOR PLAN, MATERIAL SPECIFICATIONS AND NOTES
(A)A1A (PC 3)	EXTERIOR ELEEVATIONS
(A)A2 (PC 3)	EXTERIOR HVAC UNIT MECHANICAL AND REFLECTED CEILING PLAN, HVAC WALL ATTACH,, DETAILS, HVAC SPECIFICATIONS
(A)A3A (PC 3)	ELECTRICAL LIGHTING PLAN, DETAILS, ELECTRICAL NOTES
(A)A3B (PC 3)	ELECTRICAL POWER AND SIGNAL PLAN
(B) A1 (PC 3)	FLOOR PLAN, MATERIAL SPECIFICATIONS AND NOTES
(B)A1A (PC 3)	EXTERIOR ELEVATIONS
(B) A2	EXTERIOR HVAC UNIT MECHANICAL AND REFLECTED CEILING PLAN, HVAC WALL ATTACH,, DETAILS, HVAC SPECIFICATIONS
(B)A3A (PC 3)	ELECTRICAL LIGHTING PLAN, DETAILS, ELECTRICAL NOTES
(B) A3B (PC 3)	ELECTRICAL POWER AND SIGNAL PLAN
(C) A1 (PC 3)	FLOOR PLAN, MATERIAL SPECIFICATIONS AND NOTES
(C) A1A (PC 3)	INTERIOR AND EXTERIOR ELEVATIONS
(C) A2 (PC 3)	EXTERIOR HVAC UNIT MECHANICAL AND REFLECTED CEILING PLAN, HVAC WALL ATTACH,, DETAILS, HVAC SPECIFICATIONS
(C) A3A (PC 3)	ELECTRICAL LIGHTING PLAN, DETAILS, ELECTRICAL NOTES
(C) A3B (PC 3)	ELECTRICAL POWER AND SIGNAL PLAN
(D) A1(PC 3)	FLOOR PLAN, MATERIAL SPECIFICATIONS AND NOTES
(D)A1A (PC 3)	EXTERIOR ELEVATIONS AND INTERIOR ELEVATIONS
(D)A2 (PC 3)	EXTERIOR HVAC UNIT MECHANICAL AND REFLECTED CEILING PLAN, HVAC WALL ATTACH,, DETAILS, HVAC SPECIFICATIONS
(D) A3A (PC 3)	ELECTRICAL LIGHTING PLAN, DETAILS, ELECTRICAL NOTES
(E) A3B (PC 3)	ELECTRICAL POWER AND SIGNAL PLAN
A4(PC 3)	BI-PITCH ROOF SECTIONS AND DETAILS (2X4) EXTERIOR WALLS)
A5(PC 3)	MISCELLANEOUS DETAILS
S1W50(PC 3)	50 PSF WOOD FOUNDATION PLAN, PIER DETAILS, NOTES
S1W50A(PC 3)	50 PSF WOOD FOUNDATION PLANS
S2(PC 3)	BI-PITCH ROOF, CEILING, FLOOR FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES
S3(PC 3)	BI-PITCHED ROOF BUILDING SECTION, WALL FRAMING ELEVATIONS, END FRAME ELEVATION, NAIL SCHEDULE
S4(PC 3)	STRUCTURAL CONNECTION DETAILS
43	

PC 4- APPL. # 02-104636 (PORTABLE - R6)

TS-1 (PC 4)	TITLE AND BUILDING DATA NOTES
N-1 (PC 4)	GENERAL NOTES
1 (PC 4)	FLOOR PLAN AND NOTES
2 (PC 4)	EXTERIOR ELEVATIONS
3 (PC 4)	CEILING GRID, DETAILS AND NOTES
4 (PC 4)	INTERIOR ELEVATIONS AND OPTIONS PLANS
S1 (PC 4)	FOUNDATION PLAN WOOD, DETAILS AND NOTES 50#
S2 (PC 4)	FLOOR FRAMING PLAN
S2A (PC 4)	BUILDING SECTION AND WALL DETAILS
S3 (PC 4)	WALL FRAMING AND DETAILS
S3A (PC 4)	ROOF FRAMING DETAILS
S4 (PC 4)	FRAMIGN ELEVATIONS AND DETAILS
S5R (PC 4)	RAMP PLAN, ELEVATION AND DETAILS
M-1 (PC 4)	MECHANICAL PLAN, DETAILS AND NOTES
E-1 (PC 4)	ELECTRICAL PLAN, DETAILS & NOTES
15	

PC 5- APPL. # 02-100277 (PORTABLE - R7)

TS-1 (PC 5)	TITLE AND BUILDING DATA NOTES
N-1 (PC 5)	GENERAL NOTES AND SPECIFICATIONS
1 (PC 5)	FLOOR PLAN AND NOTES
2 (PC 5)	EXTERIOR ELEVATIONS
3 (PC 5)	CEILING GRID, DETAILS AND NOTES
4 (PC 5)	INTERIOR ELEVATIONS AND OPTIONS
S1 (PC 5)	WOOD FOUNDATION PLAN D& DETAILS 50 PSF FLOOR LIVE LOAD
S2 (PC 5)	FLOOR FRAMING PLAND AND DETAILS
S2B (PC 5)	BUILDING SECTIONS
S3 (PC 5)	ROOF FRAMING PLAN AND DETAILS
S4 (PC 5)	FRAMING ELEVATIONS AND DETAILS
S5 (PC 5)	FRAMING ELEVATIONS AND DETAILS
M1 (PC 5)	MECHANICAL PLAN, DETAILS & NOTES
E1 (PC 5)	ELECTRICAL PLAND & NOTES
14	

PC 6- APPL. # 02-106185 (PORTABLE - R8)

TS-1 (PC 6)	TITLE AND BUILDING DATA NOTES
N-1 (PC 6)	GENERAL NOTES AND SPECIFICATIONS
1 (PC 6)	FLOOR PLAN & NOTES
2 (PC 6)	EXTERIOR ELEEVATIONS
3 (PC 6)	CEILING GRID, DETAILS AND NOTES
4 (PC 6)	INTERIOR ELEVATIONS AND OPTIONS
S1 (PC 6)	WOOD FOUNDATION PLAN AND DETAILS 50 PSF FLOOR LIVE LOAD
S2 (PC 6)	FLOOR FRAMING PLAN AND DETAILS
S2A (PC 6)	BUILDING SECTIONS AND WALL DETAILS
S3 (PC 6)	ROOF FRAMING PLAN AND DETAILS
S3A (PC 6)	ROOF SECTIONS & DETAILS
S4 (PC 6)	WALL FRAMING ELEVATIONS AND FRAMING DETAILS
S5R (PC 6)	RAMP PLAN, ELEVATION AND DETAILS
M1 (PC 6)	MECHANICAL PLAN, DETALS AND PLANS
M2 (PC 6)	ENERGY MANDATORY MEASURES
E1	ELECTRICAL PLAND AND NOTES
PC6: 16	
Grand total: 16	

PC 7- APPL. # 04-118031 (PORTABLES - R9, R10)

A-0 (PC 7)	COVER SHEET
A-0.0A (PC 7)	T&I FORMS
A-0.0 (PC 7)	BUILDING OPTIONS SCHEDULE
A-0.1 (PC 7)	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE
A-0.2 (PC 7)	SCHEDULES
A-0.5A (PC 7)	ENERGY COMPLIANCE FORMS
A-0.6A (PC 7)	CERTIFICATE OF COMPLIANCE FORMS
A-0.6B (PC 7)	CERTIFICATE OF COMPLIANCE FORMS
A-1.03 (PC 7)	FLOOR PLAN - " MODEL C-1" OR " MODEL C-2"
A-2.03 (PC 7)	RELECTED CEILING PLAN- " MODEL C-1" OR " MODEL C-2"
A-2.20 (PC 7)	CEILING DETAILS - T-GRID
A-3.01 (PC 7)	ROOF PLAN - 0/018 METAL DECK - MONO OR DUAL SLOPE
A-3.50 (PC 7)	ROOF DETAILS- 0.018" METAL DECK
A-4.06 (PC 7)	EXTERIOR ELEVATIONS- "MODEL C-2" - MONO OR DUAL SLOPE
A-5.02 (PC 7)	CROSS SECTION -DUAL SLOPE - 0.018" OR BUILT UP ROOF DECK
A-5.05 (PC 7)	CROSS SECTION
A-5.50 (PC 7)	ARCHITECTURAL DETAILS - WOOD STUD- WOOD SIDING
A-5.70 (PC 7)	ARCHITECTURAL DETAILS - FLOOR
A-5.81 (PC 7)	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS
F-0.02 (PC 7)	WOOD FOUNDATION PLAN - 12'X40' (50+15 PSF)
F-0.50 (PC 7)	FOUNDATION DETAILS - WOOD
S-0.1 (PC 15)	STRUCTURAL SPECIFICATIONS
S-1.01 (PC 7)	FLOOR FRAMING PLAN- WOOD FLOOR
S-1.50 (PC 7)	FLOOR FRAMING DETAILS- WOOD FLOOR
S-2.11 (PC 7)	ROOF FRAMING PLAN - 0.018", BUILT UP OR TPO ROOF- DUAL SLOPE
S-2-51 (PC 7)	ROOF FRMAING DETAILS- DUAL SLOPE
S-2.60 (PC 7)	ROOF MISC DETAILS
S-3.02 (PC 7)	BUILDING SECTION - DUAL SLOPE ROOF
S-5.00 (PC 7)	WALL FRAMING ELEVATIONS - WOOD STUDS
S-5.10 (PC 17)	WALL FRAMING DETAILS - WOOD STUDS
S-5.11 (PC 7)	WALL FRAMING DETAILS - WOOD STUDS
P-1.03A (PC 7)	PLUMBING PLAN AND ISOMETRICS- ADULT " MODULE C-1" OR "MODEL C-2"
P-2.01 (PC 7)	PLUMBING DETAILS AND SCHEDULE
M-0.1 (PC 7)	MECHANICAL NOTES, SCHEDULE , AND DETAILS
E-1.03 (PC 7)	ELECTRICAL PLAND AND SCHEDULE- "MODEL C-1" OR " MODEL C-2"
R-1.01 (PC 7)	STANDARD RAMP PLAN
R-1.02 (PC 7)	OFFSET RAMP PLAN
R-1.03 (PC 7)	RAMP LANDING
R-2.01 (PC 7)	RAMP DETAILS
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PC 8- APPL. # 04-116740 (ACCESSIBLE RAMPS/LANDINGS/STAIRS)

1 (PC 8)	COVER SHEET
2 (PC 8)	ACCESSIBLE RAMP ELEVATIONS & DETAILS
3 (PC 8)	ACCESSIBLE RAMP DETAILS & NOTES
4 (PC 8)	DETAILS & NOTES
5 (PC 8)	ACCESSIBLE RAMP SWITCH BACK DETAILS
7 (PC 8)	ACCESSIBLE RAMP OPTIONAL ALUMINUM DECK
8 (PC 8)	ACCESSIBLE RAMP ELEVATIONS & PLAN VIEWS
1A (PC 8)	COVER SHEET
2A (PC 8)	ACCESSIBLE RAMP ELEVATIONS & DETAILS
3A (PC 8)	ACCESSIBLE RAMP DETAILS & NOTES
4A (PC 8)	DETAILS & NOTES
5A (PC 8)	ACCESSIBLE RAMP SWITCH BACK DETAILS
7A (PC 8)	ACCESSIBLE RAMP OPTIONAL ALUMINUM DECK
8A (PC 8)	ACCESSIBLE RAMP ELEVATION & PLAN VIEWS
14	

PC 9- APPL. # 04-117462 (EXISTING STOCKPILE BUILDINGS MODIFICATION PLANS MODIFICATION BASE ON 04-113941)

T-1 (PC 9)	GENERAL NOTES, APPLICABLE CODES, BUILDING DATA, WIND DESIGN DATA, EARTHQUAKE DESIGN DATA
T-2 (PC 9)	DSA 103 (SAMPLE)/A-NUMBER TABLE
S-2 (PC 9)	MODIFICATION PLAN/ DETAILS FOR 36X40 BLDG
S-3 (PC 9)	MODIFICATION PLAN/ DETAILS FOR 48X40 BLDG
A-2 (PC 9)	MODIFICATION PLAN (ARCHITECTURAL) FOR 36X40 BLDG
A-3 (PC 9)	MODIFICATION PLAN (ARCHITECTURAL) FOR 48X40 BLDG
A-4 (PC 9)	NOTES/DETAILS
A-5 (PC 9)	ROOF PLAN/ DSA FORM 103 (SAMPLE)
A-6 (PC 9)	DOOR, WINDOW & FINISH SCHEDULES
A-8 (PC 9)	EXTERIOR ELEVATIONS 36X40 BLDG
A-9 (PC 9)	EXTERIOR ELEVATIONS 48X40 BLDG
A-10 (PC 9)	GENERAL NOTES AND SPECIFICATIONS
E-2 (PC 9)	ELECTRICAL PLAN FOR 36X40 BLDG
E-3 (PC 9)	ELECTRICAL PLAN FOR 48X40 BLDG
M-2 (PC 9)	MECHANICAL PLAN FOR 36X40 BLDG
M-3 (PC 9)	MECHANICAL PLAN FOR 48X40 BLDG
16	

PC 10- APPL. # 04-114454 (EXISTING STOCKPILE ALTERATIONS)

A-1a (PC 10)	FLRPLN 36X40 STOCKPILE
A-1ab (PC 10)	FLRPLN 36X40 STOCKPILE
2	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

OWNER: PERALTA COMMUNITY COLLEGE DISTRICT

PROJECT NAME: LANEY COLLEGE LOCKER ROOM INTERIM HOUSING

CLIENT ADDRESS: 900 FALLON ST, OAKLAND, CA 94607

DSA SUBMITTAL

LICENSED ARCHITECT
No. C-18301
Jan 31, 2021
STATE OF CALIFORNIA

REVISIONS:

	DESCRIPTION	DATE

PROJECT NO:	2020-40124
DATE ISSUED:	6/5/2020
SCALE:	
SHEET NUMBER:	GEN-2.2
SHEET TITLE:	

SHEET INDEX

SVA ARCHITECTS

2030 FRANKLIN ST, #210 OAKLAND, CA 94612
T 510.267.3180 WWW.SVA-ARCHITECTS.COM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

American Modular Systems Inc.

25–48 X 40 RELOCATABLE CLASSROOMS
LOS ANGELES UNIFIED SCHOOL DISTRICT

TEST AND INSPECTION LIST

TESTING LABORATORY: ____ DATE: ____
NAME: ____
DISTRICT/OWNER: ____
DIVISION–FILE NO. ____ APPLICATION NO. ____
ARCHITECT: ____
STRUCTURAL ENGINEER: ____

STATE OF CALIFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE STATE ARCHITECT
STRUCTURAL TESTS AND INSPECTIONS
DSA 103-1 (R 11/85)

COMPACTED FILL
REINFORCING STEEL
STRUCTURAL STEEL
BRICK AND BLOCK
GLUED LAMINATED STRUCTURAL LUMBER
SUITABILITY TESTS — CONCRETE MATERIALS — GUNITE — MORTAR — GROUT
MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE
MATERIAL — AGGREGATE SIZE — COMPRESSIVE STRENGTH, PSI, MINIMUM — 28 DAYS

3 1/2" x 3 1/2" x 1/4" SQ. COL.
C7 X 9.8 (ALT. C10 x15.3, C8x13.4)
10 ga. & 12 ga. ROOF CEE
6 7/8" X 14 GA. FLR. JOISTS
8 7/8" x 12 ga. ALT. FLR. JOIST
W8x18 ALT. FLR. JOIST
6" x 14 ga. ROOF JOIST
4" x 12ga. ALT. ROOF JOIST
3 1/2" x 10 ga. ALT. RF. JOIST
2"x18 ga. STRAPS
3"x18 ga. ALT. STRAPS
PER TITLE 24, C.C.R., SECTION 2231.A.1

GROUNDING TEST
EXPANSION ANCHORS

DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: ____
AUTHORIZED REPRESENTATIVE

INDEX

BUILDING DATA
CLASSROOMS

OCCUPANCY	E–1/B → B OCCUPANCY USES TO MEET THE REQUIREMENTS OF CBC TABLE 3–A AND CBC TABLE 5–A
TYPE OF CONSTRUCTION	V – NON–RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS/SQ FT
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE) THIS STRUCTURE IS DESIGNED TO SUPPORT A FIRE SPRINKLER SYSTEM
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	1920 SQ FT
CLIMATE ZONE	1–16

2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

2001 CALIFORNIA BUILDING CODE, VOLUMES 1, 2 AND 3 (PART 2, TITLE 24, CCR)
(1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
(1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
(2000 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
(2000 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)

2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)

2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

NFPA 13, 1999 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED
NFPA 14, 2000 EDITION, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS
NFPA 24, 1995 EDITION, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
NFPA 72, 1999 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED

CBC 2001

MODULES	MOMENT–RESISTANT
SYSTEM	(4) 12' X 40' MODULES
FOUNDATION	WOOD
SEISMIC	ZONE 4 SEISMIC SOURCE A

American Modular Systems Inc.

FILE NO. 39-0
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106373
AC FLS SS
DATE 6/22/04

JOB NO.
DATE: JUNE 21, 2004
SHEET NUMBER
TS–1
BINDING ORDER 1

BASED ON PC #02-104917

*BOTH PC1a- #02-106373 and PC1b-#02-106184 are based on PC 04-104917, therefore the details are the same in both packages. Due to the illegibility of the available existing PC 02-106373 drawings, PC1b is provided for cross reference purposes only. Relocatable buildings R1 and R2 , even though the PC drawings provided herewith are illegible, will be based on the drawings and verified reports for PC1a.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A — GENERAL REQUIREMENTS

1. GENERAL

A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THE GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.

B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 17 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

2. SCOPE OF WORK

A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.

B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING,MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICT.
3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.

[illegible]

FOUNDATION

[illegible]

3. WORK NOT INCLUDED

[illegible]

4. WHEELS AND HITCH
SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. ACCESSIBILITY OF SITE
THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS,FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

TRIM/ FINISH NAILING				
DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 3/8"	GALV
CASING, SILL & INT. CORNER TRIM	X	16g	1 1/4"	X
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

SECTION 5 — STEEL

A. GENERAL — ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS,TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.

B. WELDING — [illegible]

C. ERECTION — [illegible]

D. NAILS,BOLTS, SCREWS AND NAPS ETC. — [illegible]

E. HANDRAILS — [illegible]

F. SHOP PAINT — [illegible]

G. TESTS — [illegible]

SECTION 6A — CARPENTRY

[illegible]

B. NAILING — IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE CODE,TABLE 23A-11-B-1

C. EXTERIOR WALLS — FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS,SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.

D. MACHINE APPLIED NAILING:
USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

E. MOISTURE BARRIER — APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL.
JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.

F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B — SHEET METAL

[illegible]

SECTION 7D — METAL ROOFING

[illegible]

SECTION 7J — SEALANT

[illegible]

SECTION CONCRETE — CONCRETE OF [illegible]

1. CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFIED HEREIN.
2. REINFORCING BARS,ASTM A615 OR ASTM A706 DEFORMED GRADE 40 BILLET STEEL.
3. [illegible]
4. [illegible]
5. PLACING REINFORCEMENT, PLACING CONCRETE SURFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24.

ACCESSIBILITY STANDARDS

[illegible]

SECTION 8B — HOLLOW METAL DOORS AND FRAMES

[illegible]

FINISH HARDWARE

SEE SHEET [illegible]

SECTION 9E — PAINTING

[illegible]

SECTION 13F — SITE ASSEMBLY

1. SCOPE OF WORK
[illegible]

A. [illegible] DISTRICT.(APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.

B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.

C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

WALL FINISH MATERIAL
FLAME SPREAD MAX = 200
SMOKE DENSITY MAX = 450
BUILDING INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

SECTION 15A — AIR CONDITIONING

[illegible]

SECTION 16A — ELECTRICAL

[illegible]

INSPECTION

[illegible]

COORDINATION OF WORK

[illegible]

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

[illegible]

GENERAL DESIGN REQUIREMENTS

[illegible]

DIMENSIONS

[illegible]

IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT SPECIFICATIONS SHALL PREVAIL.

02 [illegible]

PC 02-104917
AC [illegible] FLS [illegible] SS [illegible]
DATE OCT 30 2[illegible]

48 X 40 PC
RELOCATABLE
CLASSROOMS

American Modular Systems Inc.
americanmodular.com

CUSTOMER:

GENERAL NOTES AND SPECIFICATIONS

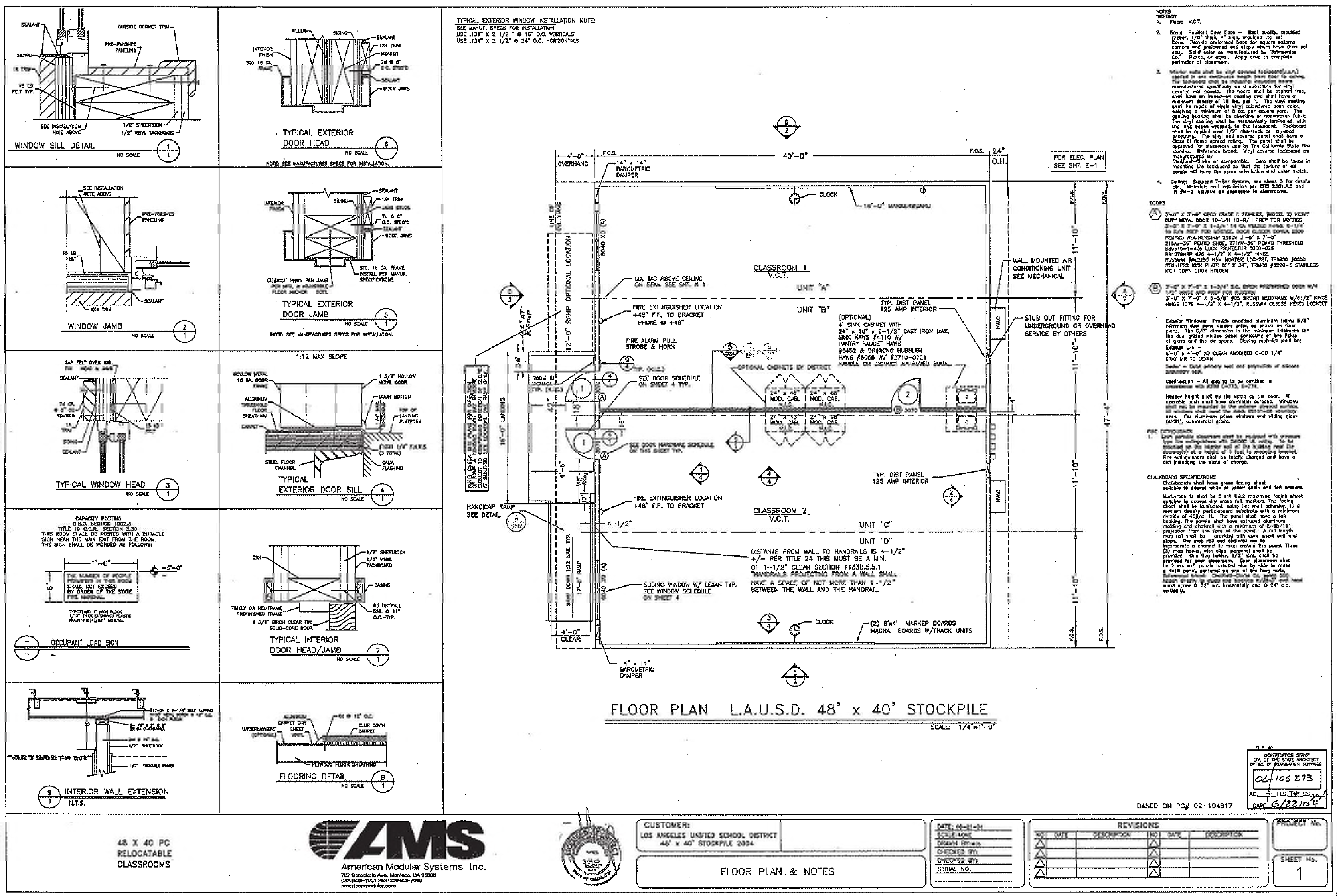
DATE: [illegible]
SCALE: NONE
DRAWN BY: [illegible]
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
1			5		
2			6		
3			7		
4			8		

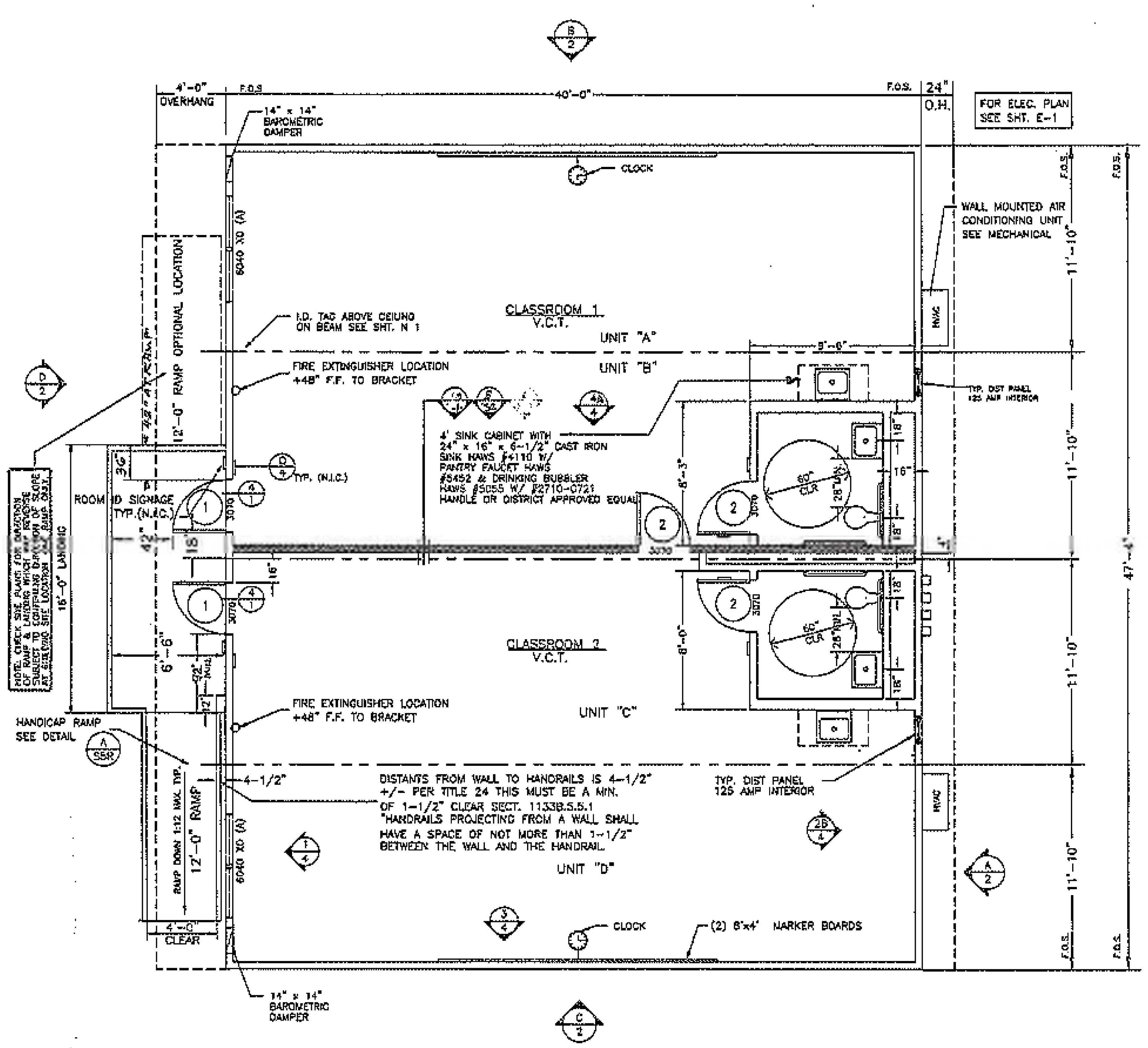
PROJECT No.

SHEET No.
N-1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

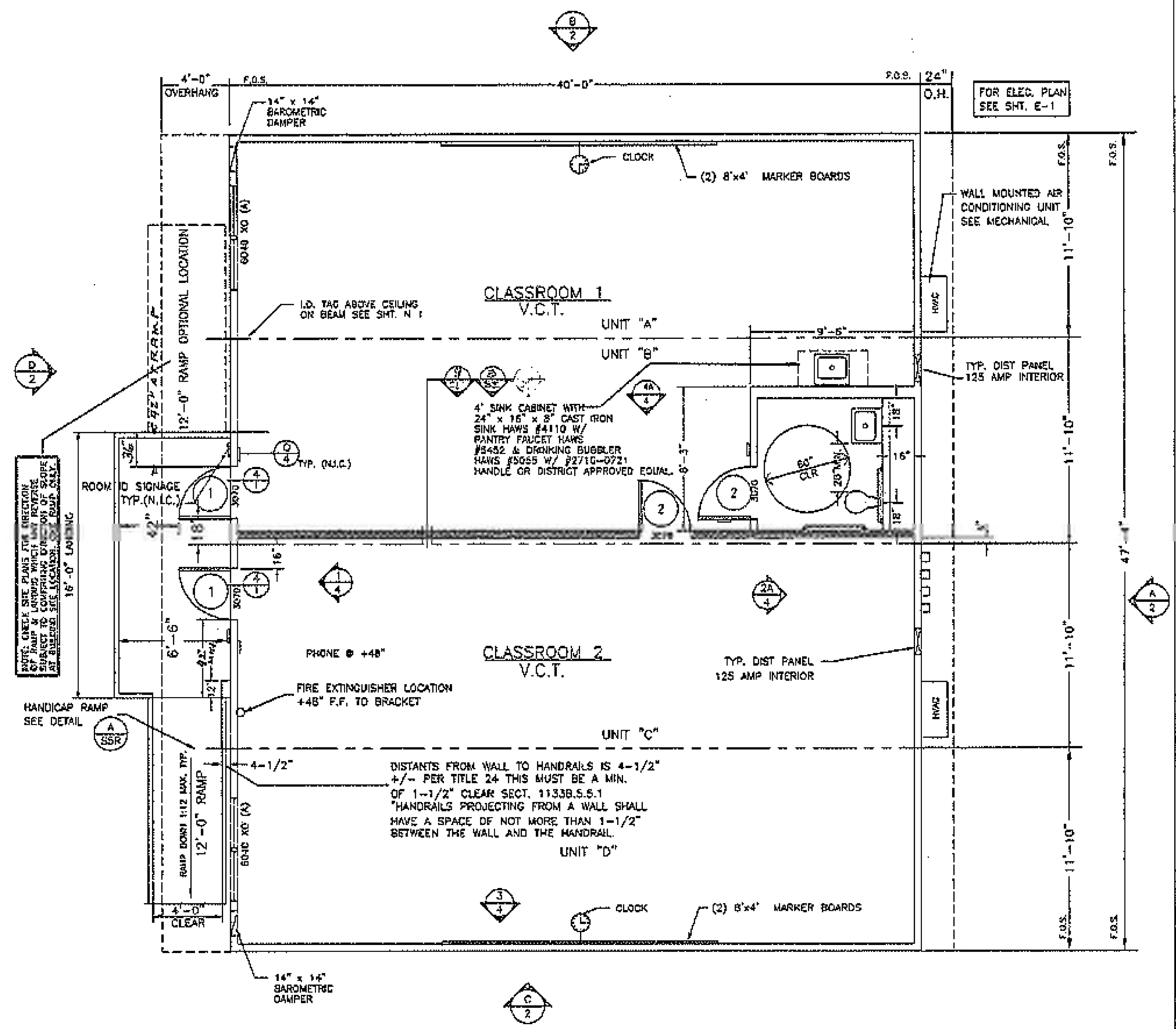


3



2 RESTROOMS FLOOR PLAN L.A.U.S.D. 48' x 40' STOCKPILE

SCALE: 1/4"=1'-0"



1 RESTROOM FLOOR PLAN L.A.U.S.D. 48' x 40' STOCKPILE

SCALE: 1/4"=1'-0"

BASED ON PC# 02-104917

48 X 40 PC
RELOCATABLE
CLASSROOMS

American Modular Systems Inc.

CUSTOMER:
LOS ANGELES UNIFIED SCHOOL DISTRICT
48' x 40' STOCKPILE 2004

FLOOR PLAN & NOTES

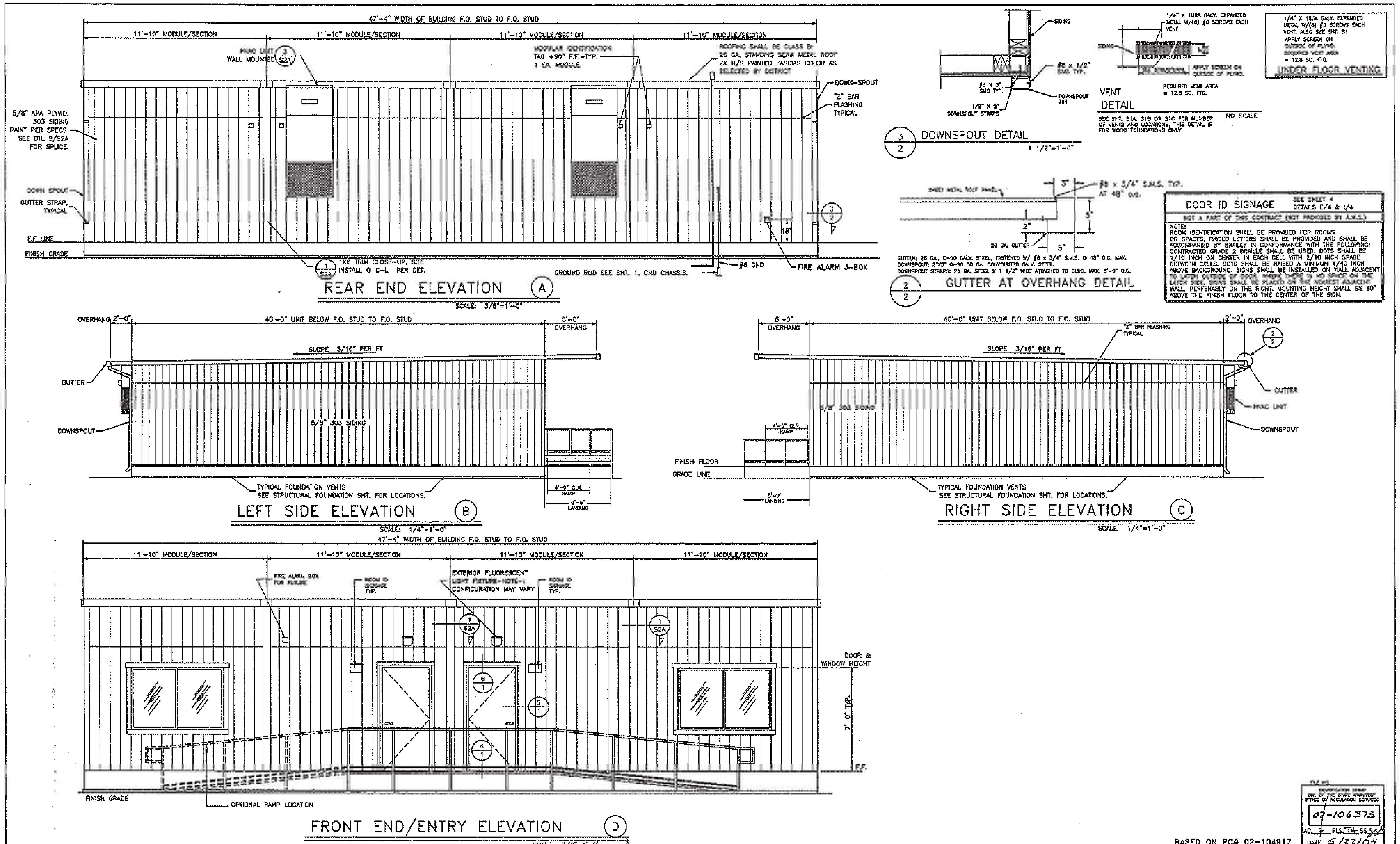
DATE: 05-17-04
SCALE: NONE
DRAWN BY: M.K.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

SHEET No.
1A



BASED ON PC# 02-104917

48X40 PC RELOCATABLE CLASSROOM

American Modular Systems Inc.

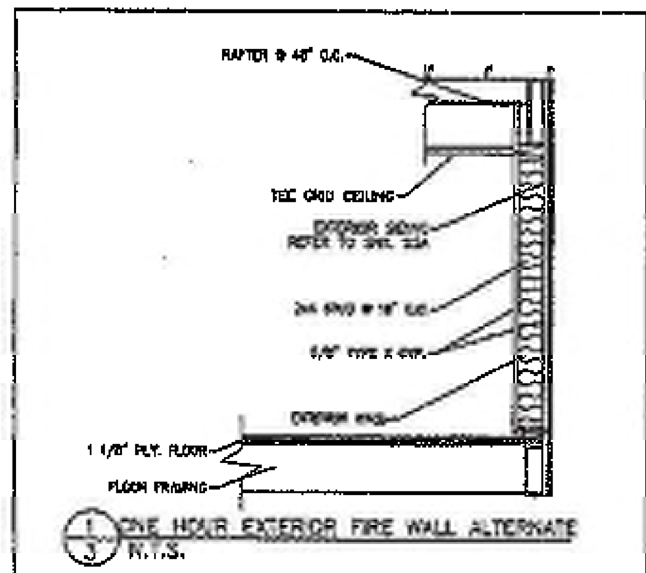
CUSTOMER: LOS ANGELES UNIFIED SCHOOL DISTRICT 48'x40' STOCKPILE '2004'

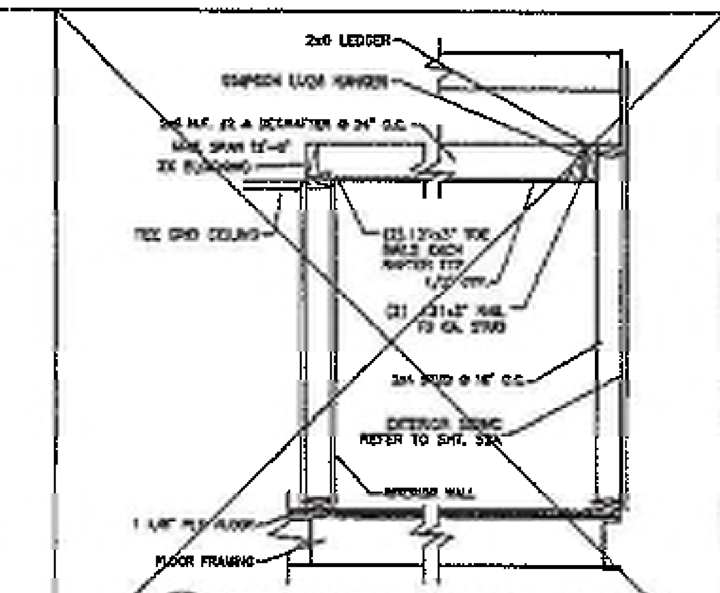
EXTERIOR ELEVATIONS

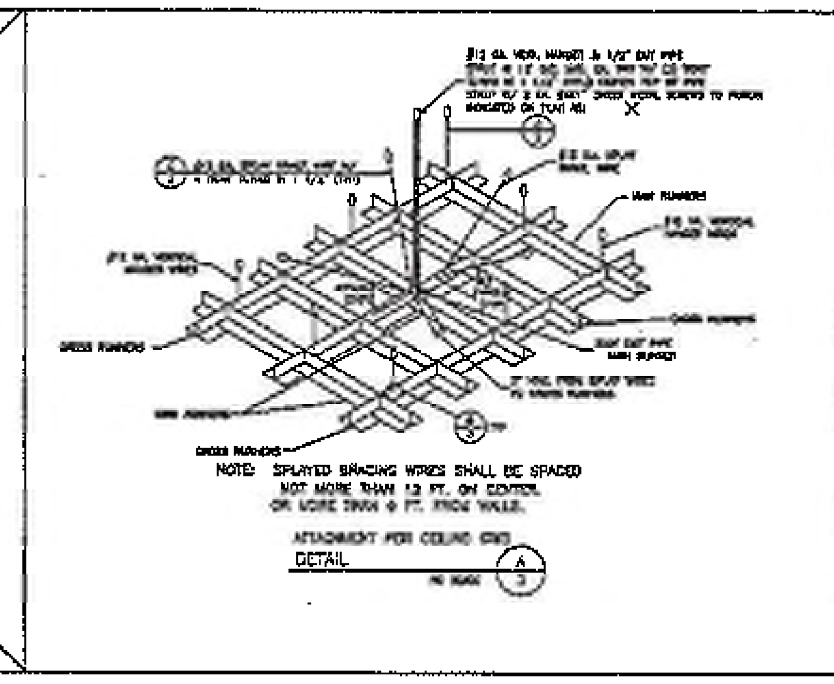
REVISIONS

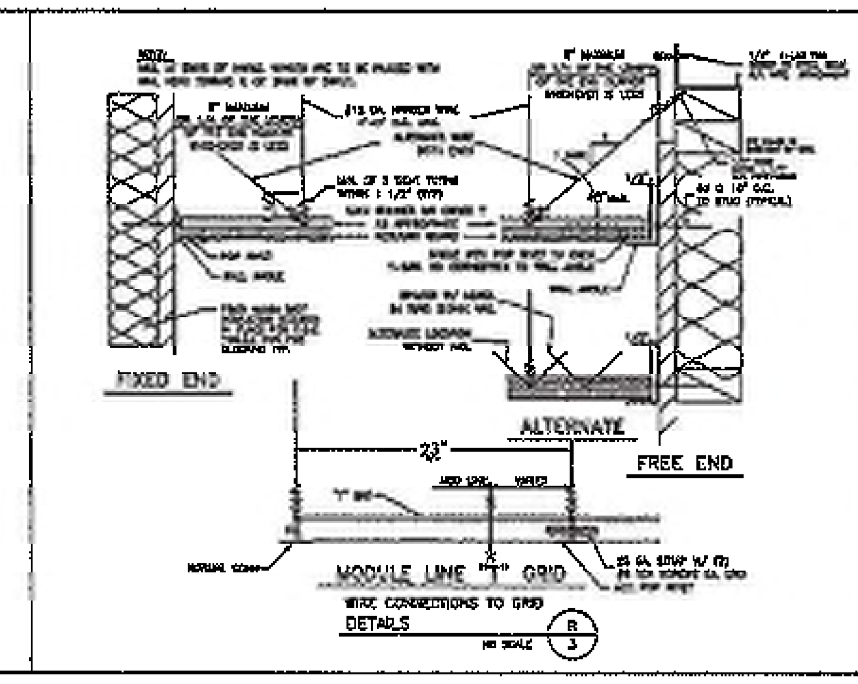
PROJECT No.

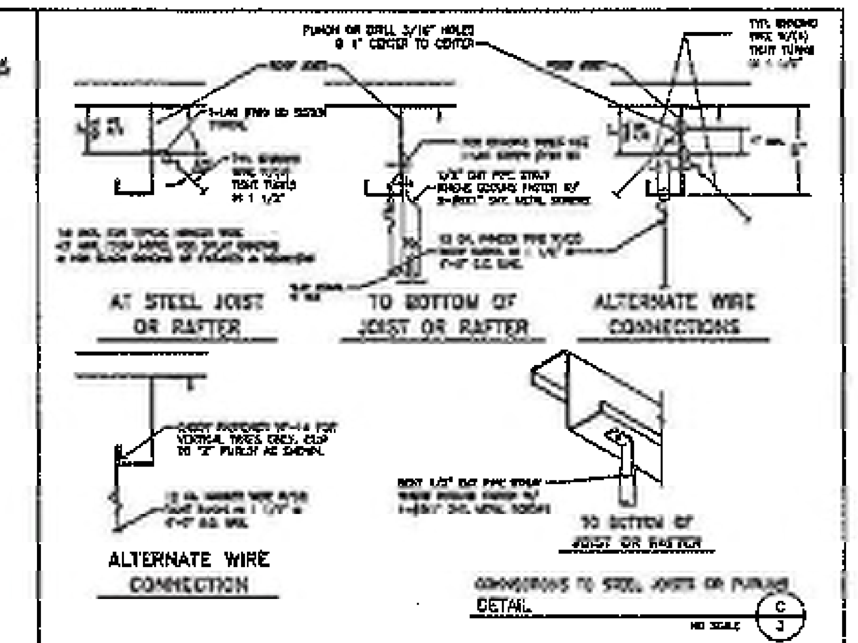
SHEET No. 2

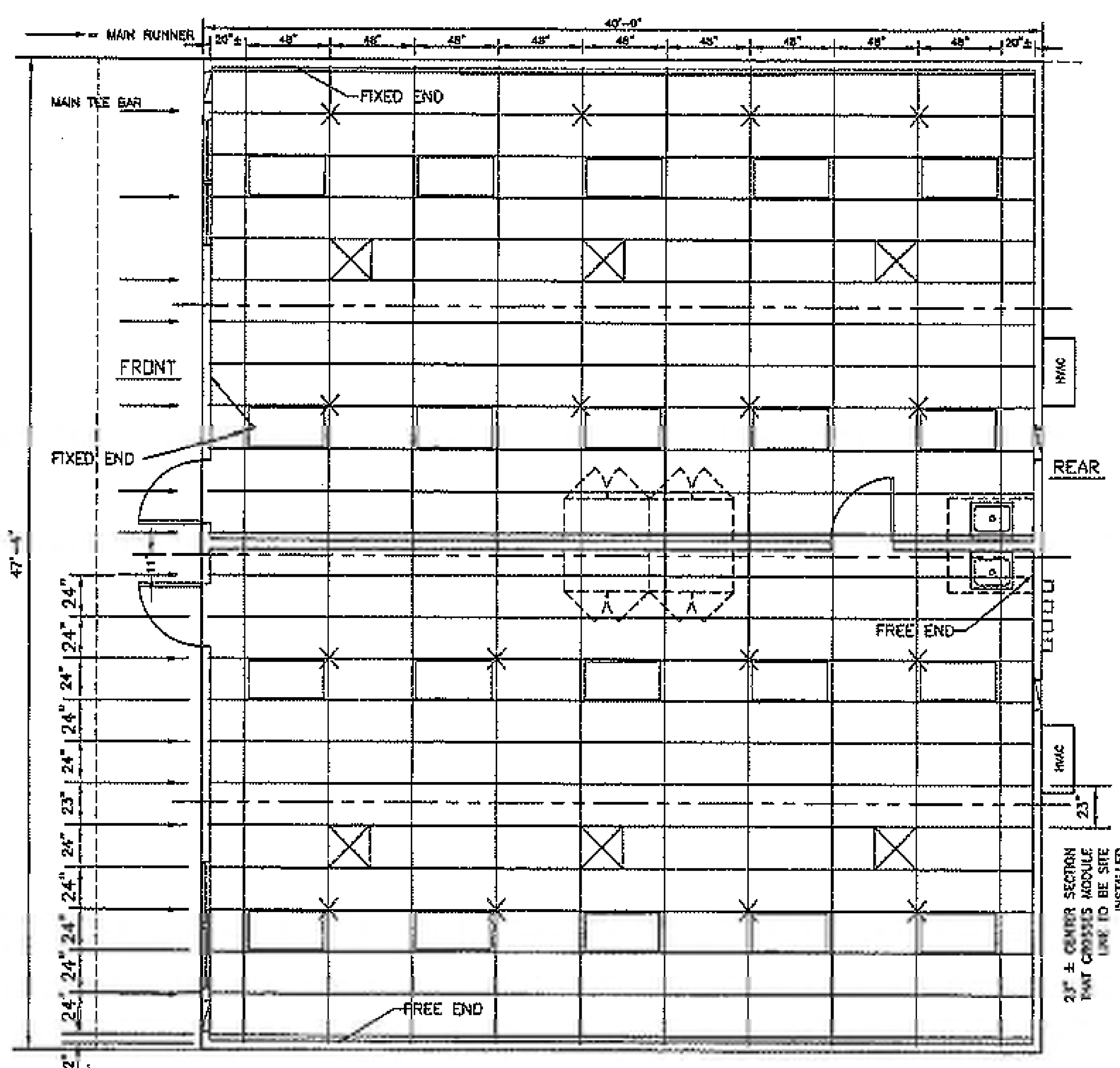






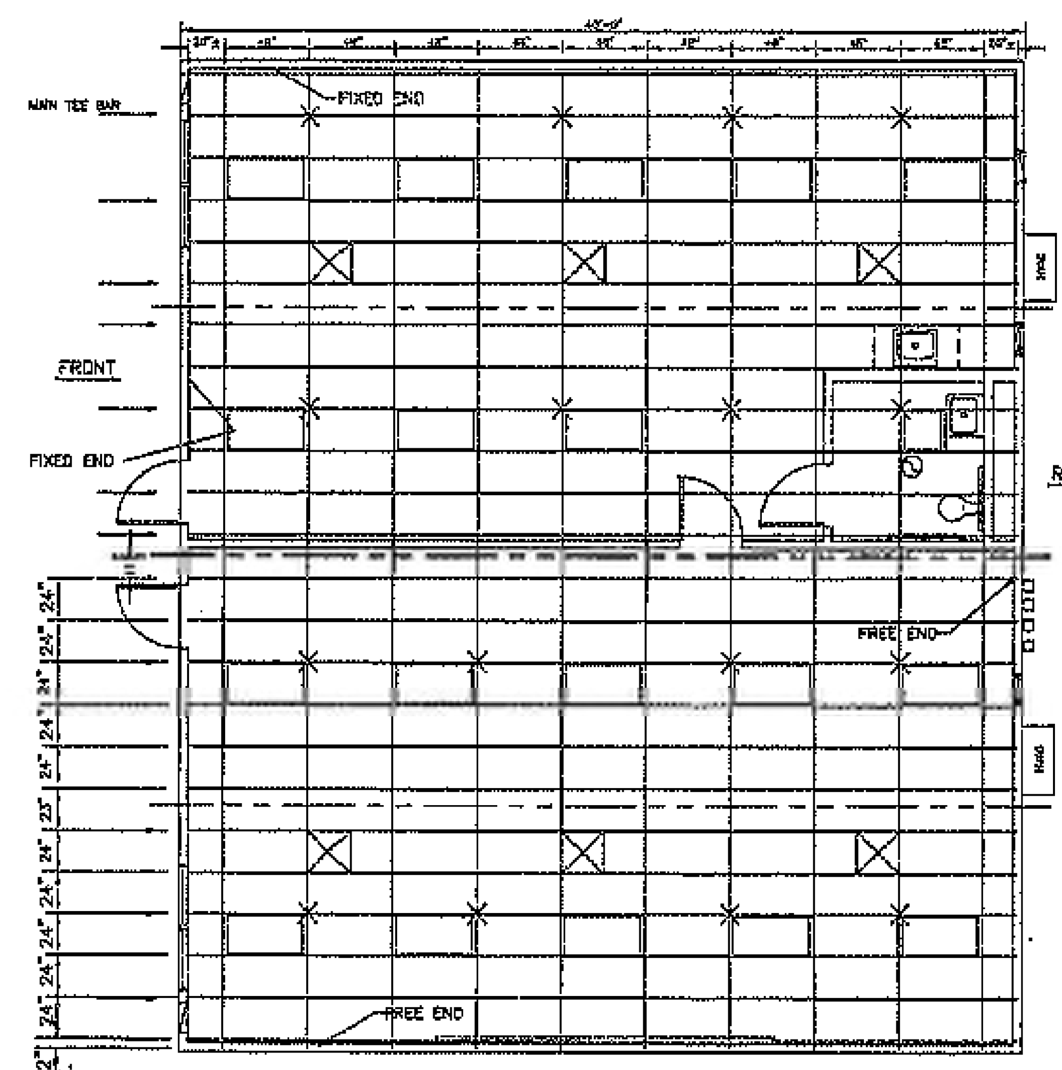






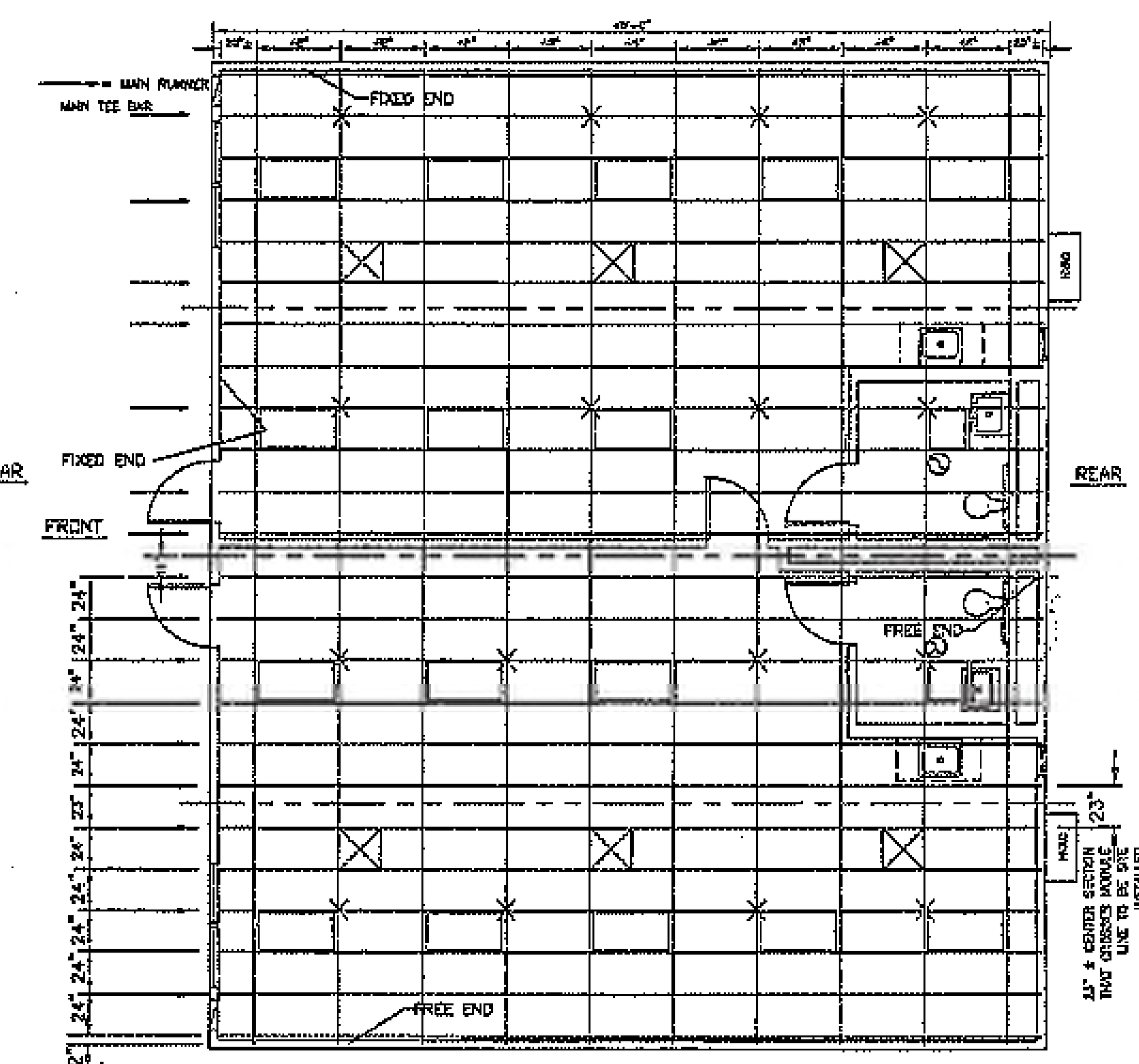
CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

SCALE:1/4"=1'-0"



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

SCALE:1/4"=1'-0"



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

SCALE:1/4"=1'-0"

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. [illegible] HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES [illegible] NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA/OSHPD.
2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
(A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
(B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS.

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA.

7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC. IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA.
9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, PER ASTM C635
MANUFACTURER'S CATALOG NUMBER – MAIN RUNNER HEAVY DUTY MAIN TEE #270-01.
MANUFACTURER'S CATALOG NUMBER – CROSS RUNNER CHICAGO METALLIC 1254-01 CROSS TEES.
MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS 1, 24" X 48" MODULAR SIZE. LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF [illegible] MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

TABLE A HEAVY DUTY GRID COMPONENTS

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
CHICAGO MET.	200-01	1221-01	1270-01

[illegible]

BASED ON PC# 02-104817

48 X 40 PC
RELOCATABLE
CLASSROOMS

American Modular Systems Inc.
787 Spreckels Ave., Manteca, CA 95336
americanmodular.com

CUSTOMER:
LOS ANGELES UNIFIED SCHOOL DISTRICT
48'x40' STOCKPILE "2004"

CEILING GRID, DETAILS AND NOTES

DATE: 05-01-21
SCALE: NONE
DRAWN BY: V.K.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

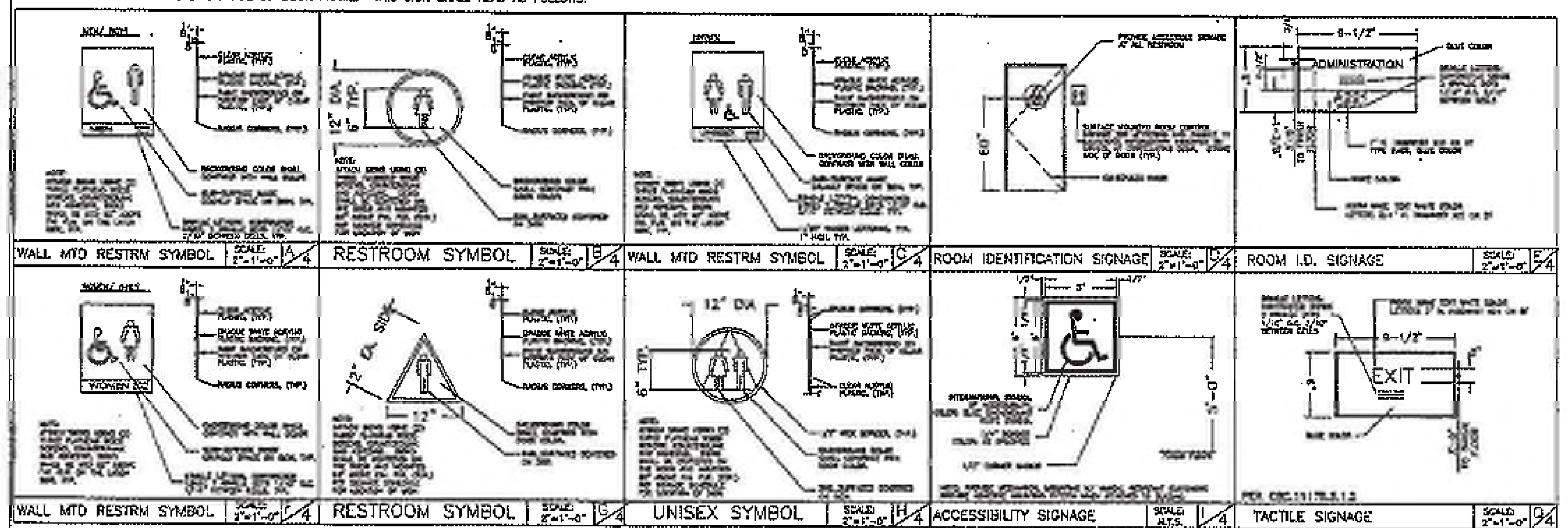
SHEET No.
3

6

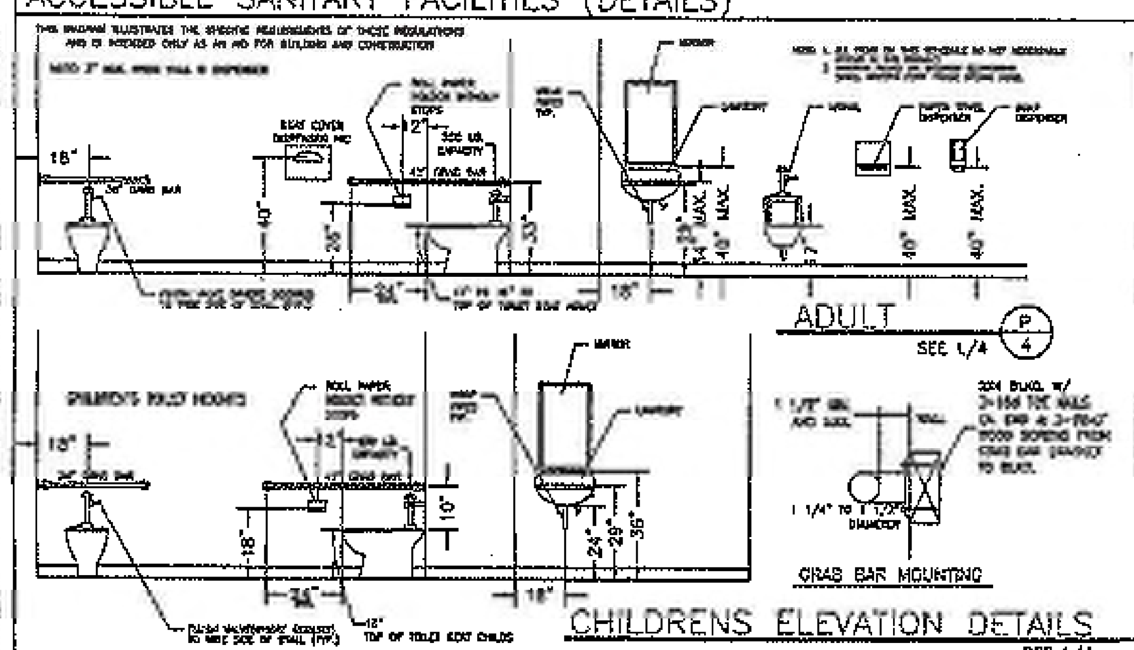
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

ACCESSIBILITY SIGNAGE (AS REQUIRED–BY DISTRICT)

NOTE:
PER CBC 1115B.5 1–10 PLACE 12" ROUND OR TRIANGULAR SIGNS ON EACH TOILET ROOM DOOR @ +60" ON THE WALL ON THE LATCH SIDE OF DOOR FRAME. THIS SIGN SHALL READ AS FOLLOWS.



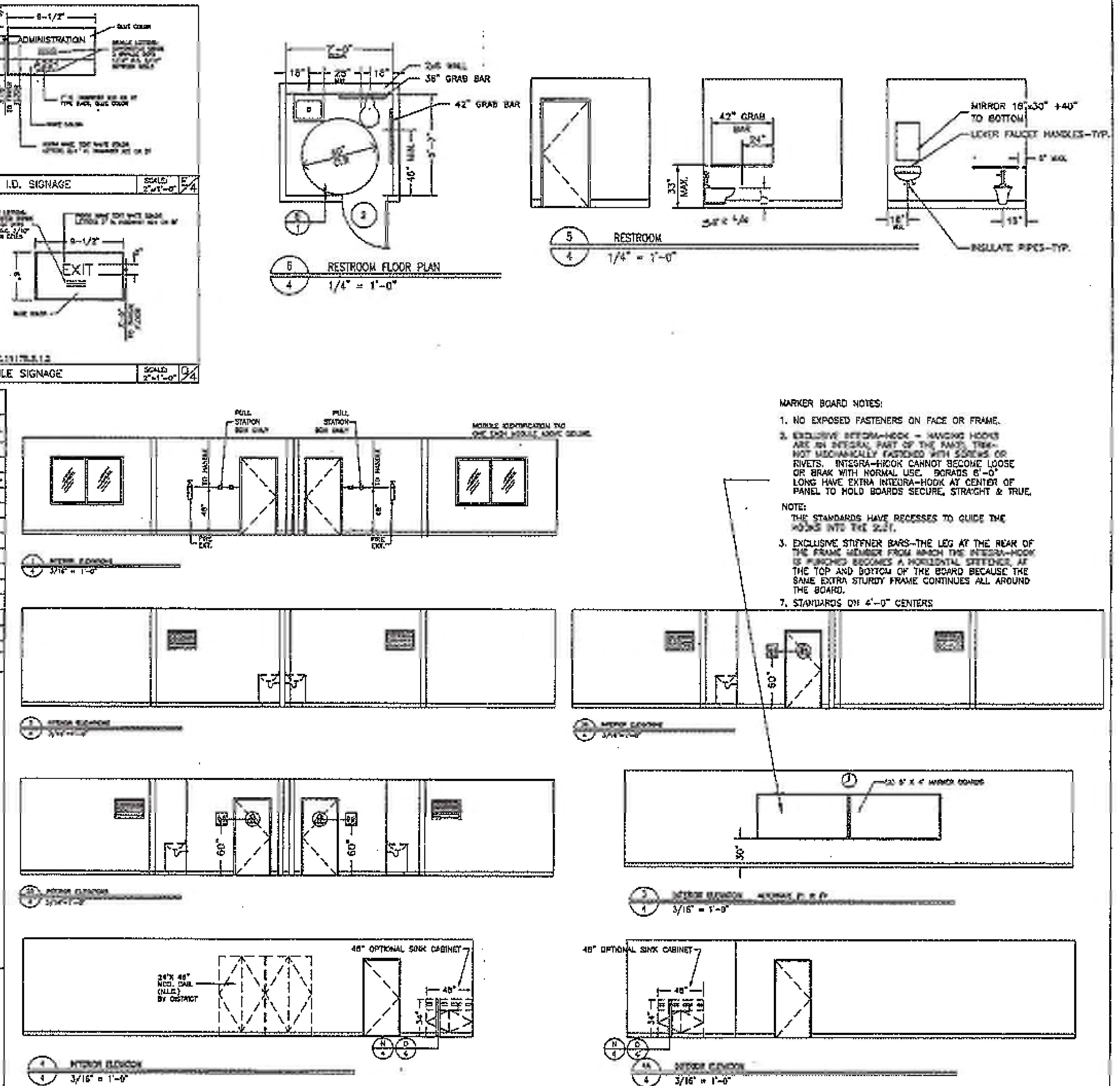
ACCESSIBLE SANITARY FACILITIES (DETAILS)



DIMENSION FOR ACCESSIBILITY IN TOILET FACILITIES FOR CHILDREN

FIXTURE TYPE	ADULT	[illegible]	KINDERGARTEN & PRE-SCHOOL
[illegible]	[illegible]	[illegible]	[illegible]
TOILET SEAT HEIGHT (TO TOP OF SEAT)	17"–19"	[illegible]	10"–12"
GRAB BAR HEIGHT	33"	33"	10" ABOVE SEAT *
TOILET PAPER IN FRONT OF TOILET	12" MAX.	12" MAX.	6" MAX. **
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	N/A	N/A
[illegible]	[illegible]	[illegible]	[illegible]
LAVATORY/SINK TOP HEIGHT	34" MAX.	20" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	[illegible]	[illegible]	[illegible]
URINAL LIP HEIGHT	17" MAX.	12" MAX.	10" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	36" MAX.	30" MAX.
DRINKING FOUNTAIN [illegible] HEIGHT	36" MAX.	[illegible] MAX.	24" MAX.
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

* = ABOVE SEAT
** = DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP

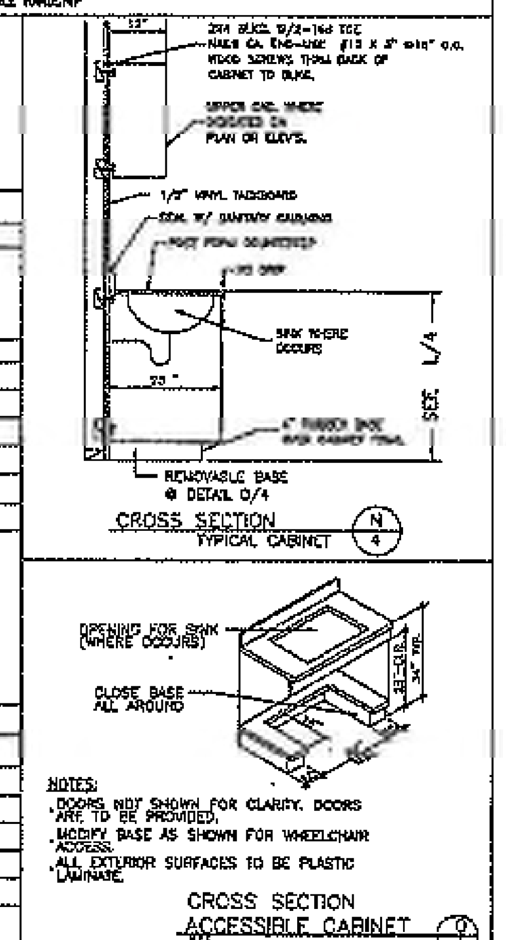


MARKER BOARD NOTES:

1. NO EXPOSED FASTENERS ON FACE OR FRAME.
2. EXCLUSIVE INTEGRA–HOOK – HANGING HOOKS ARE AN INTEGRAL PART OF THE [illegible] TRIM – NOT MECHANICALLY FASTENED WITH SCREWS OR RIVETS. INTEGRA–HOOK CANNOT BECOME LOOSE OR BRAK WITH NORMAL USE. BORADS 6'-0" LONG HAVE EXTRA INTEGRA–HOOK AT CENTER OF PANEL TO HOLD BOARDS SECURE, STRAIGHT & TRUE.

NOTE:
THE STANDARDS HAVE RECESSES TO GUIDE THE HOOKS INTO THE [illegible].

3. EXCLUSIVE STIFFNER BARS–THE LEG AT THE REAR OF THE FRAME MEMBER FROM WHICH THE INTEGRA–HOOK IS PUNCHED BECOMES A HORIZONTAL STIFFENER, AT THE TOP AND BOTTOM OF THE BOARD BECAUSE THE SAME EXTRA STURDY FRAME CONTINUES ALL AROUND THE BOARD.
7. STANDARDS ON 4'-0" CENTERS



ROOM FINISHES SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS FRONT	WALLS REAR	WALLS RIGHT	WALLS LEFT	CEILING	CEILING HEIGHT	REMARKS
1	CLASSROOM	C	D	F	F	F	F	J	8'-6"	
2	TOILET RMS.	B	E	I	I	I	I	J	8'-6"	

A – CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4800, DIRECT GLUE DOWN.
B – VINYL SHEET FLOORING
C – VCT, ARMSTRONG STANDARD OR EXCELON
D – TOP SET BASE, 4" BURKE
E – TOP SET BASE, 6" BRINGANTINE OR SANDOVAL
F – WALL FINISH, 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
G – 1/2" W.R. GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
H – 1/2" GYP BOARD, TAPE, TEXTURE, PAINTED FINISH
I – 3/32" F.R.P. OVER 1/2" W.R. GYP BOARD
J – ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)
K – 1/2" VINYL TACKBOARD CLASS 1 OVER 5/8" TYPE "X" GYP BOARD BACKING

DOOR SCHEDULE SEE SHT. 1 FOR LOCATION

DOOR NO.	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET NO.	QUANTITY	FRAMES MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	JAMB THRESHOLD	NOTE NO.
1	3'-0" x 7'-0"	H.M.		N/A	A	1	H.M.	6/1	6/1	4/1	5/1	
2	3'-0" x 7'-0"	S.C.			C		H.M.	7/1	7/1			

HM – HOLLOW METAL
AL – ALUMINUM
SST – STAINLESS STEEL
STL – STEEL FRAME, 16 ga. FULLY WELDED
WWF – WINDOW WALL FRAME
SC – SOLID CORE WOOD
HC – HOLLOW CORE WOOD

WINDOW SCHEDULE SEE SHT. 1 FOR LOCATION

WINDOW NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	GLASS TYPE
(A)	2	SLD.	6'-0"	4'-0"	BRONZE	SOLAR GREY

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 45% maximum.

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106373
AC. [illegible] FLS. TH SSS [illegible]
DATE 6/22/04

BASED ON PC# 02-104917

RELOCATABLE CLASSROOMS

AMS
American Modular Systems Inc.

CUSTOMER:
LOS ANGELES UNIFIED SCHOOL DISTRICT

INTERIOR ELEVATIONS AND OPTIONS

DATE: 06-21-04
SCALE: NONE
DRAWN BY: [illegible]
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION
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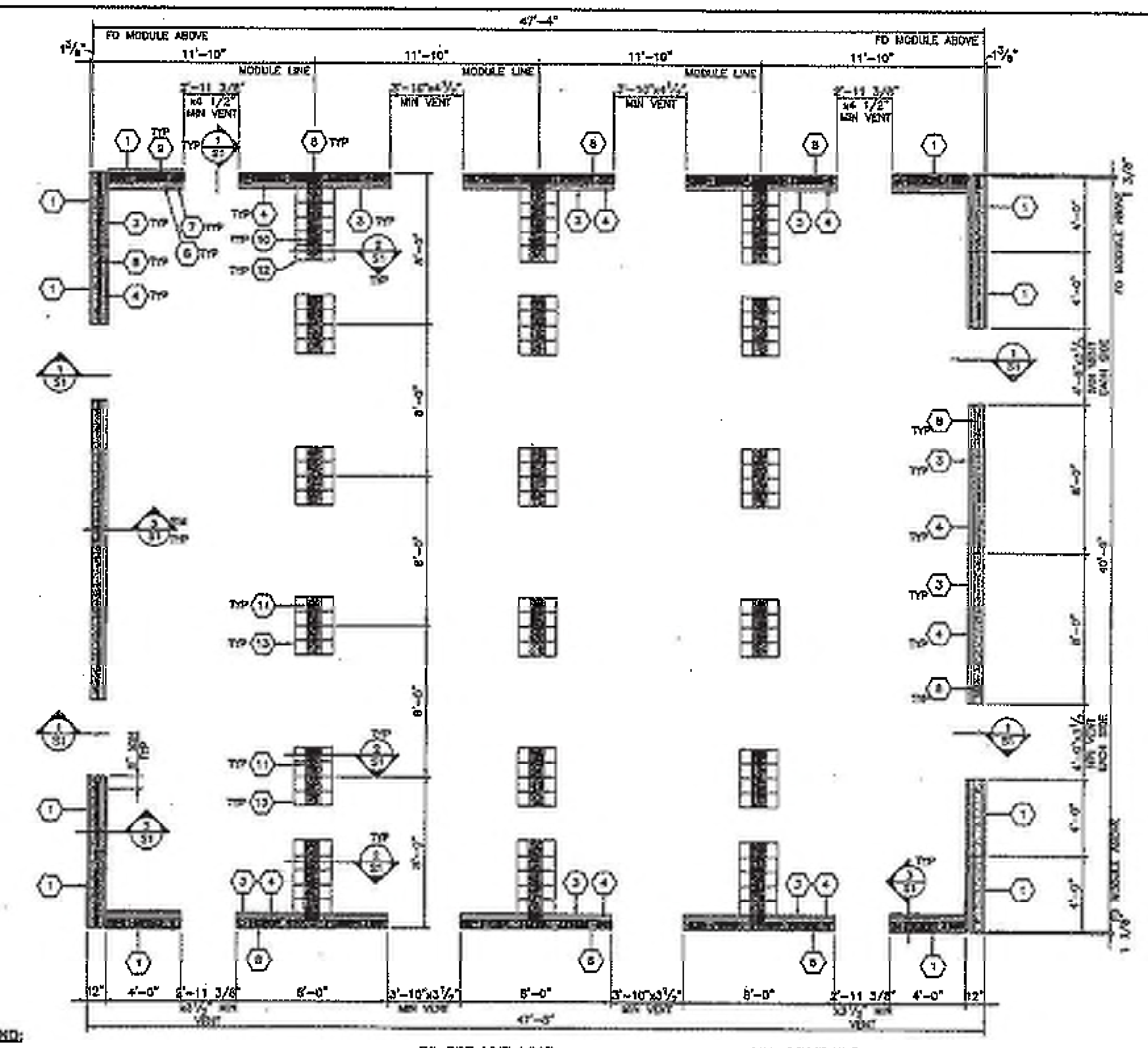
△			△		
△			△		
△			△		

PROJECT No.

SHEET No.
4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



50 PSF LIVE LOAD
FOUNDATION PLAN
A/S1
1/4" = 1'-0"

LEGEND:

1. 1/2"x12" WIDE x 48" LONG, UNO ON PLAN, PT STRUCTURAL PLYWOOD W/ FACE GRAIN IN SHORT DIRECTION (CDX PLYWOOD)
2. NOT USED
3. 2x10x8'-0" LONG, UNO ON PLAN, PT ℄ ALT. 2X10 REDWOOD
4. 2x6x8'-0" LONG, UNO ON PLAN, ℄
5. NOT USED
6. 2x6x4'-0" LONG, UNO ON PLAN, ℄
7. 2x10x4'-0" LONG, UNO ON PLAN, ℄ (PT ℄ WHERE PLYWOOD DOES NOT OCCUR)
8. MULTIPLE 2x6x8'-0" LONG, UNO ON PLAN, NAILER AS REQ'D FOR HEIGHT
9. MULTIPLE 2x6x4'-0" LONG, UNO ON PLAN, NAILER AS REQ'D FOR HEIGHT
10. 2x10 ℄ SEE 2/S1
11. 2x10 BLK, SEE 2/S1
12. (4) 2x12x2'-0" PT ℄ OR (5) 2x10x2'-0" PT ℄ OR (8) 2x6x2'-0" PT ℄, SEE 2/S1
13. (4) 2x12x2'-0" PT ℄ OR (4) 2x10x2'-0" PT ℄ OR (5) 2x6x2'-0" PT ℄, SEE 2/S1

• 1"⌀ GALVANIZED PIPE LOCATIONS–TYPICAL

NOTES:

1. TOP OF WOOD PADS TO BE LEVEL.
2. DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
3. SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
4. FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
5. PER THE CONTRACT OF THIS PROJECT–THE BUILDING PAD MUST BE A MINIMUM OF 54'x50' AND SHALL NOT EXCEED 6" OUT OF LEVEL IN ANY DIRECTION.
6. VENT AREA REQUIRED= [illegible] =12.8 SF
VENT AREA PROVIDED= 13.6 SF

SILL RESTRAINT:

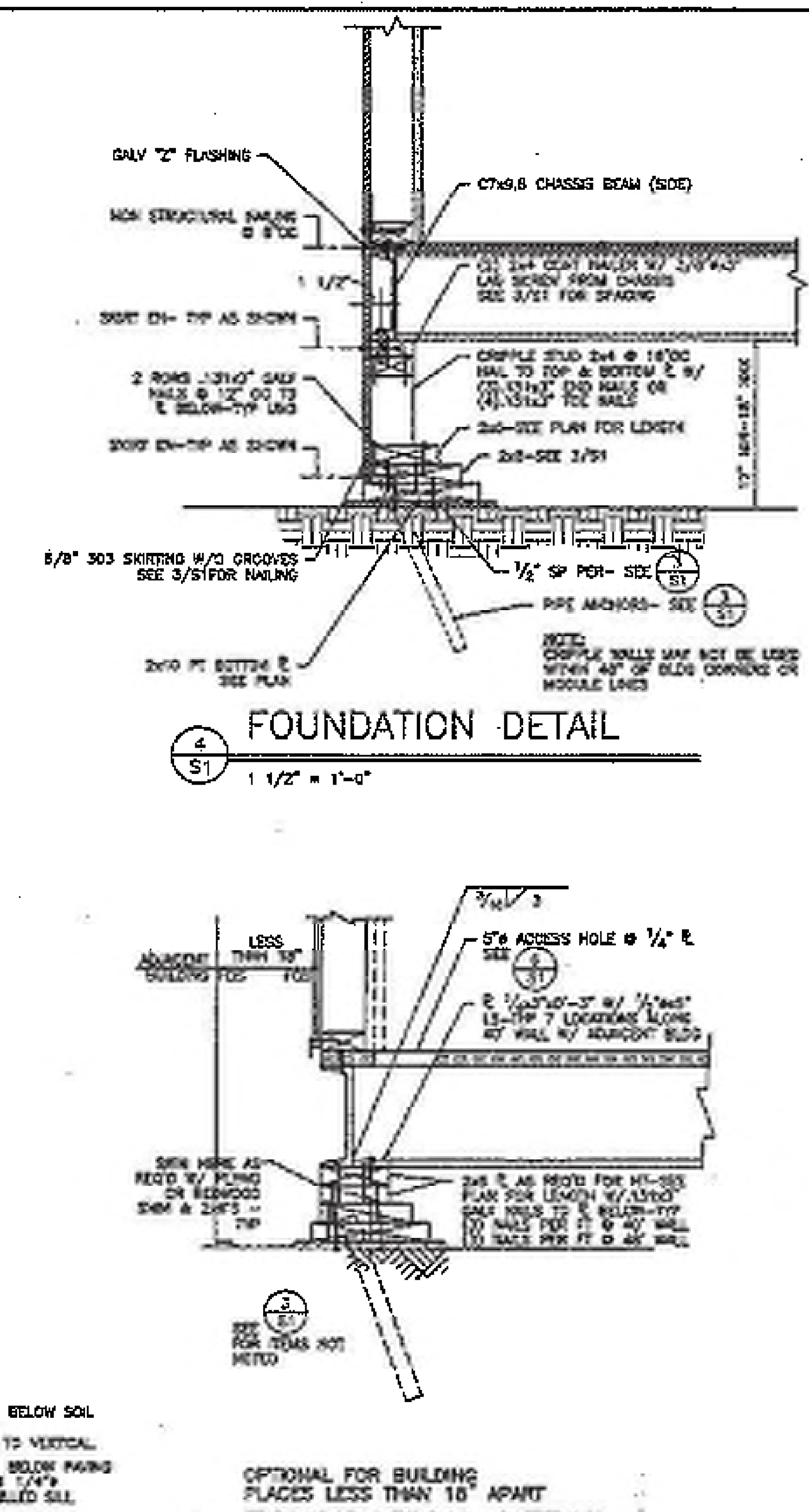
ON SOIL: 1"⌀ HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 13'-3" OC, MIN 2 EA 2x ℄. DRILL SILL 1 1/4"⌀ MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.

ON A/C PAVING: 1"⌀ HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 13'-3" OC, MIN 2 EA 2x ℄. DRILL SILL 1 1/4"⌀ MAX. ALT: 20d HOT DIPPED GALV NAILS THRU PREDRILLED SILL ℄ @ 32" OC

ON CONC PAVING: 1"⌀ HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 13'-3" OC, MIN 2 EA 2x ℄. DRILL SILL 1 1/4"⌀ MAX. ALT: 1/2"⌀ HILTI KBII's THRU SILL ℄ W/ 3-1/2" MIN CONC EMBEDMENT @ 6'-0" OC MAX.

FOUNDATIONS:

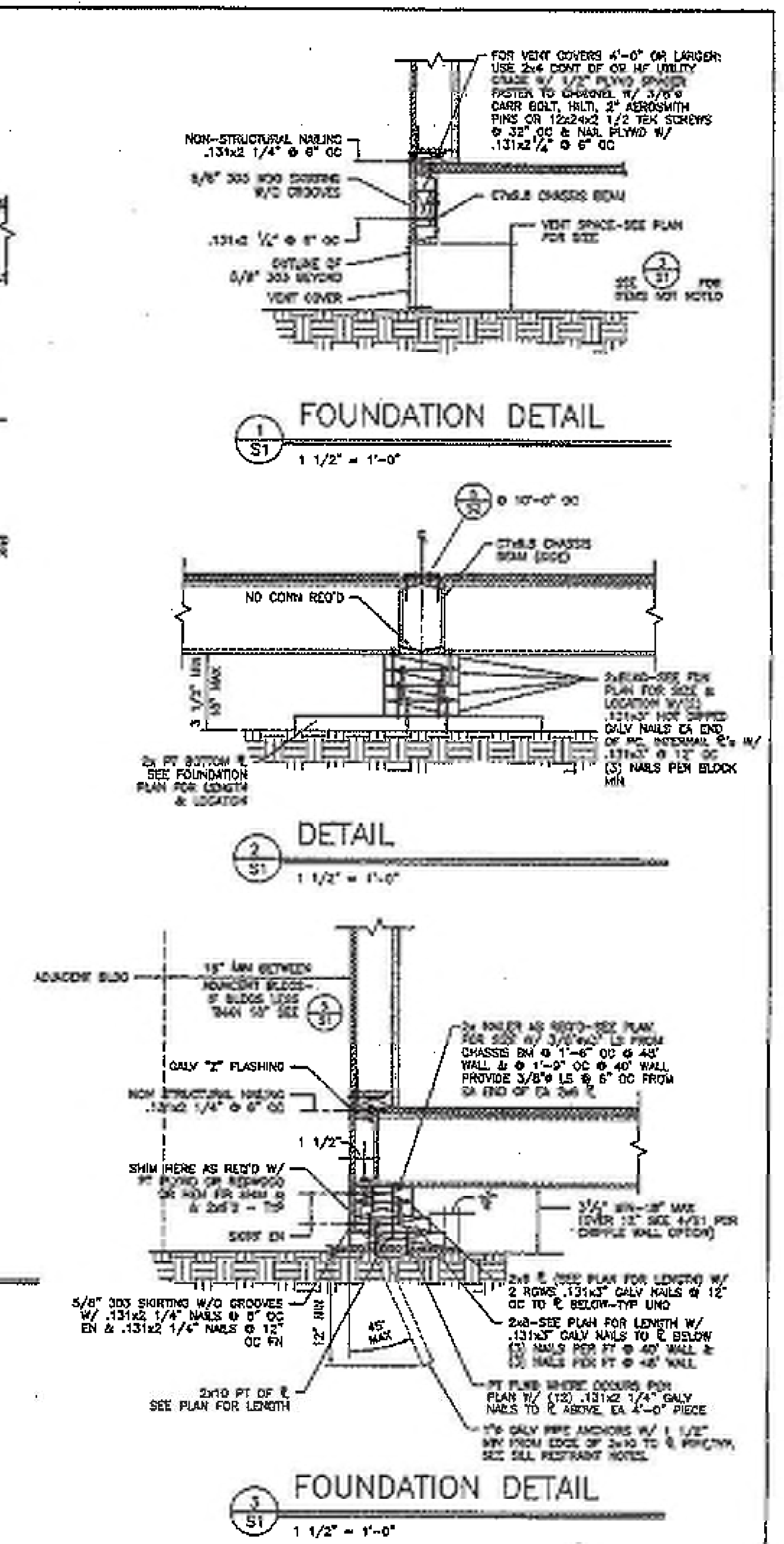
ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 2001 CALIFORNIA BUILDING CODE. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE HP#2 OR DF#2 "FOR ABOVE GROUND USE." THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RE-TREATED PER SPECIFICATIONS. LP-2 AND LP-22 MATERIAL SHALL BE BANDED SEPARATELY FOR SHIPMENT TO THE JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH BANDED UNIT SHALL BE ATTACHED TO THE MATERIAL.
CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED.
INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.



FOUNDATION DETAIL
4/S1
1 1/2" = 1'-0"

OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART
FOUNDATION DETAIL
5/S1
1 1/2"=1'-0"

FILLER ACCESS HOLE
DETAIL
6/S1
NO SCALE



FOUNDATION DETAIL
1/S1
1 1/2" = 1'-0"

DETAIL
2/S1
1 1/2" = 1'-0"

FOUNDATION DETAIL
3/S1
1 1/2" = 1'-0"

48 x 40
RELOCATABLE
CLASSROOM

American Modular Systems Inc.

CUSTOMER:

WOOD FOUNDATION PLAN & DETAILS
50 PSF FLOOR LIVE LOAD

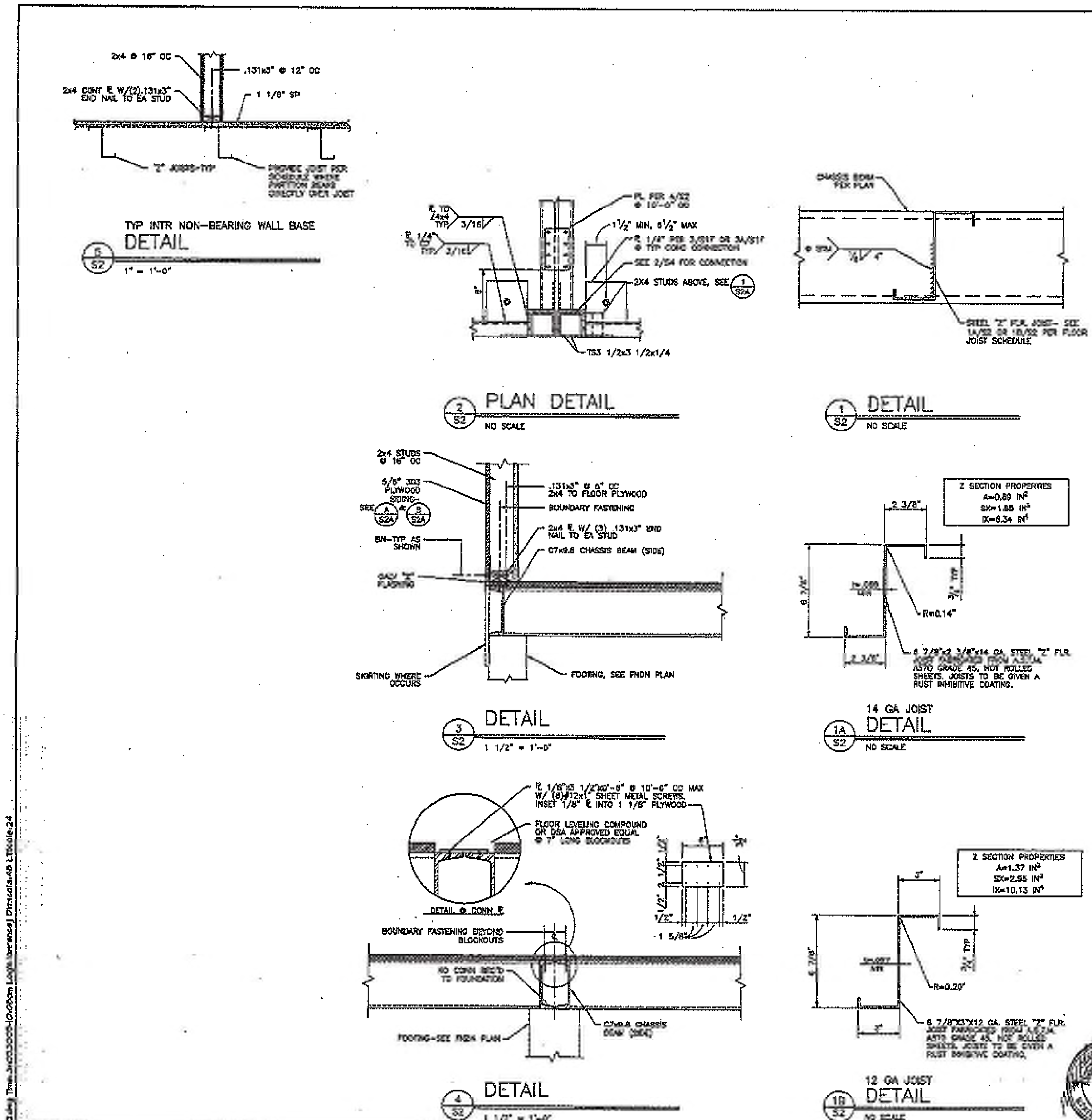
REVISIONS

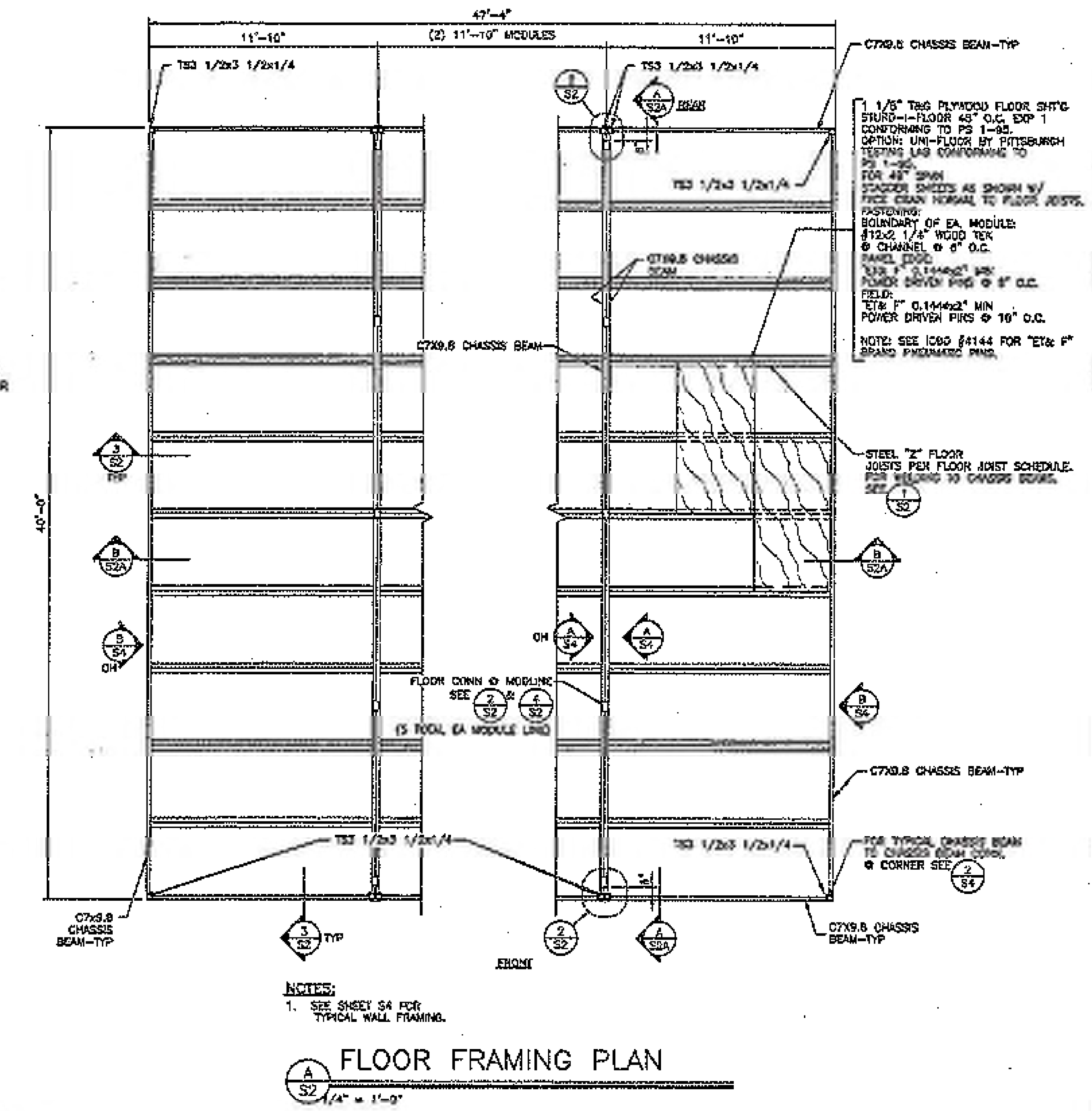
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		
△			△		

PROJECT No.
02156-03

SHEET No.
S1

6





FLOOR JOIST SCHEDULE		
LIVE LOAD	SPACING	
	14 GA JOIST	12 GA JOIST
50 PSF	48" OC	48" OC
50+20 PSF	24" OC	48" OC
100 PSF	24" OC	24" OC
125 PSF		24" OC

NOTES:
1. FOR JOISTS SEE 1A/S2 AND 1B/S2.
2. SPACING IS TO CENTER LINE OF TOP FLANGE.
3. PROVIDE 12 GA JOIST WHERE PARTITION BEARS DIRECTLY OVER JOIST.

48 x 40
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.

CUSTOMER:

FLOOR FRAMING PLAN
AND DETAILS

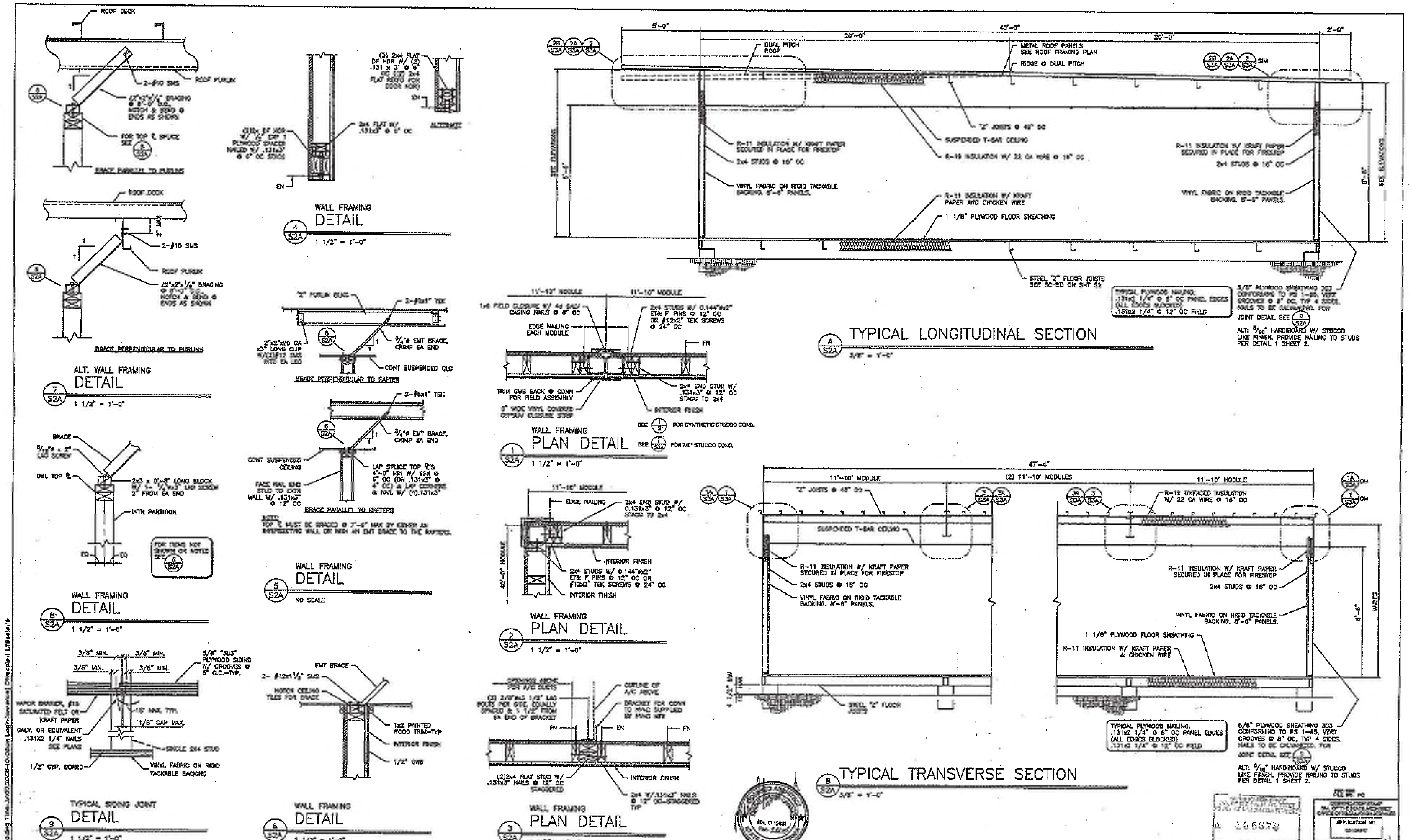
DATE: 5/30/03
SCALE: AS NOTED
DRAWN BY: SEM
DESIGNED BY: MCB
CHECKED BY: KAL
SERIAL NO.

REVISIONS

PROJECT No. 02156-03

SHEET No. S2

9



48 x 40
RELOCATABLE
CLASSROOM

American Modular Systems Inc.

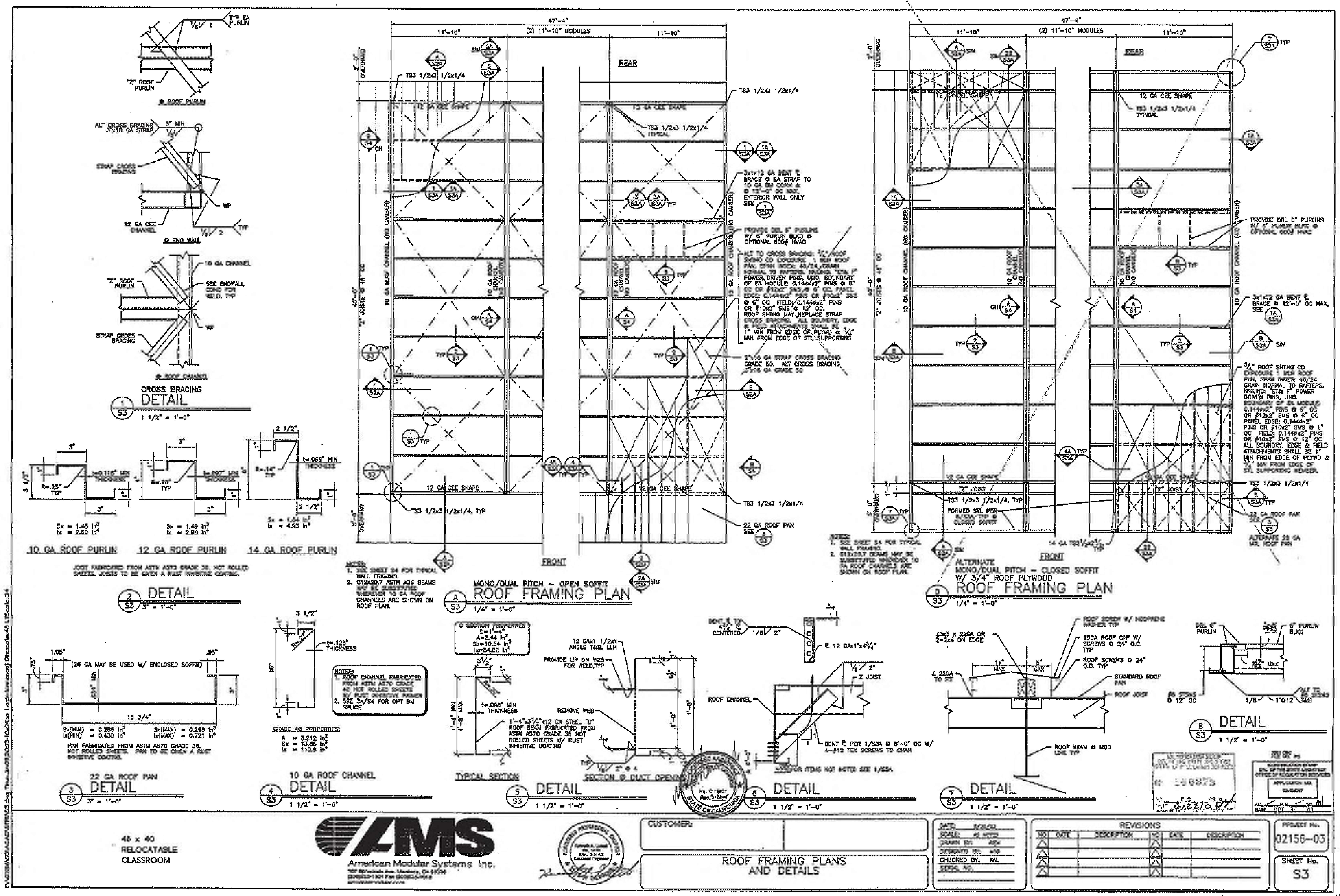
CUSTOMER:

BUILDING SECTIONS
AND WALL DETAILS

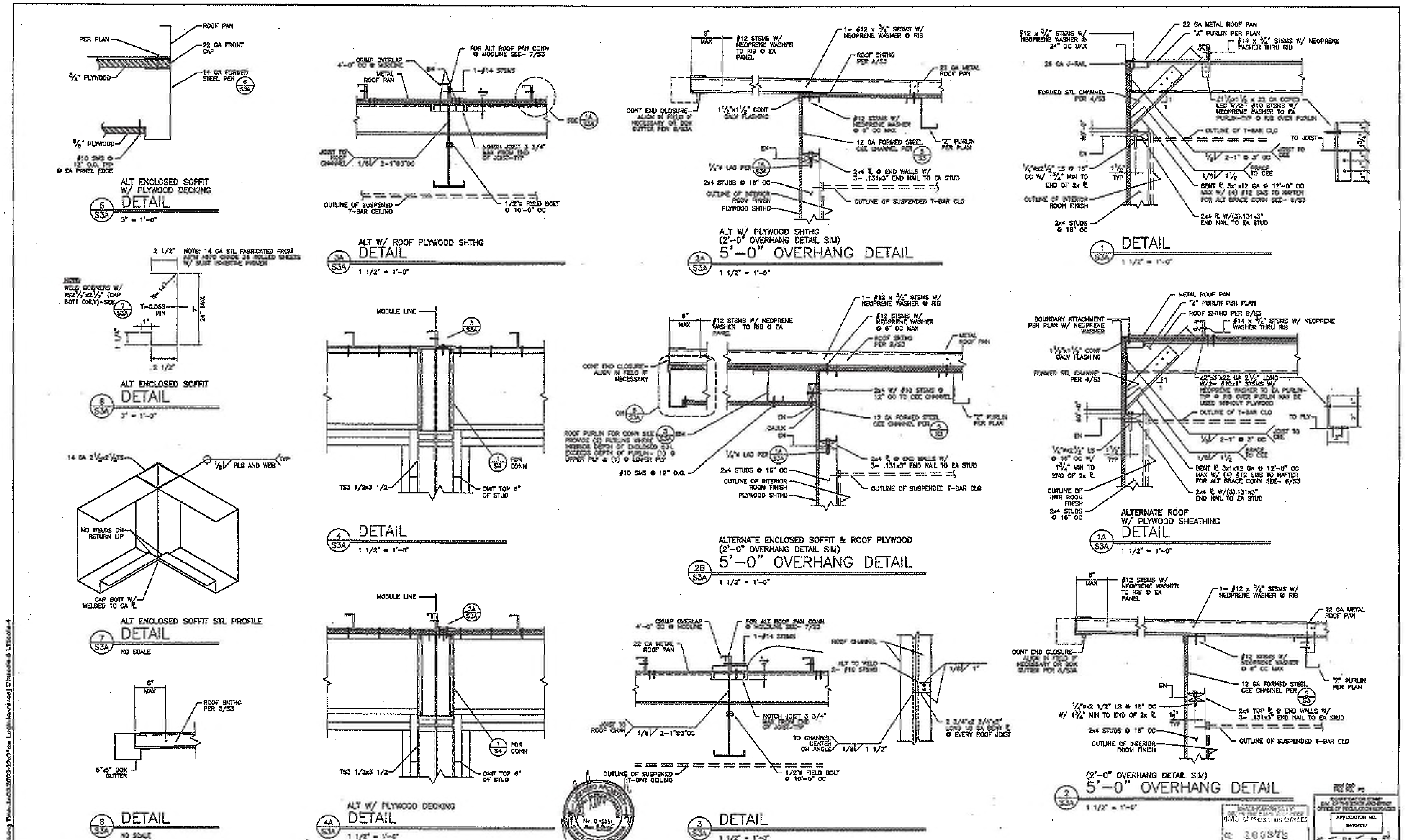
REVISIONS

PROJECT No.
02156-03

SHEET No.
S2A


CROSS BRACING
1 S3 DETAIL
1 1/2" = 1'-0"
10 GA ROOF PURLIN
12 GA ROOF PURLIN
14 GA ROOF PURLIN
2 S3 DETAIL
3" = 1'-0"
MONO/DUAL PITCH ~ OPEN SOFFIT
A S3 ROOF FRAMING PLAN
1/4" = 1'-0"
ALTERNATE
MONO/DUAL PITCH ~ CLOSED SOFFIT
W/ 3/4" ROOF PLYWOOD
D S3 ROOF FRAMING PLAN
1/4" = 1'-0"
FRONT
REAR
47'-4"
(2) 11'-10" MODULES
22 GA ROOF PAN
3 S3 DETAIL
3" = 1'-0"
10 GA ROOF CHANNEL
4 S3 DETAIL
1 1/2" = 1'-0"
TYPICAL SECTION
5 S3 DETAIL
1 1/2" = 1'-0"
6 S3 DETAIL
1 1/2" = 1'-0"
7 S3 DETAIL
1 1/2" = 1'-0"
B S3 DETAIL
1 1/2" = 1'-0"
48 x 40
RELOCATABLE
CLASSROOM
AMS
American Modular Systems Inc.
CUSTOMER:
ROOF FRAMING PLANS
AND DETAILS
REVISIONS
PROJECT No.
02156-03
SHEET No.
S3

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



48 x 40
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.

CUSTOMER:

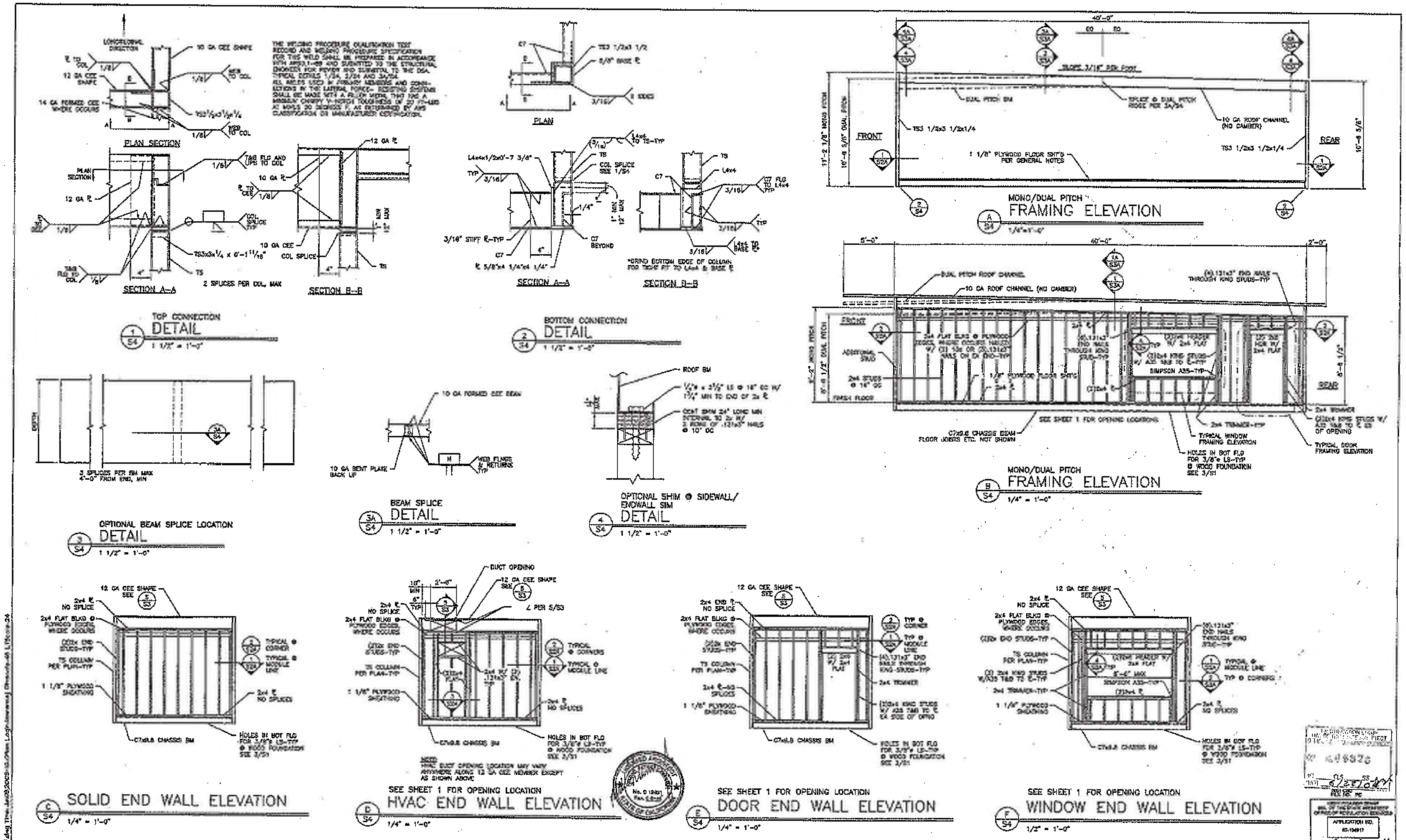
ROOF SECTIONS & DETAILS

REVISIONS			
NO	DATE	DESCRIPTION	BY

PROJECT No. 02156-03

SHEET No. S3A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



48 x 40
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.

CUSTOMER:

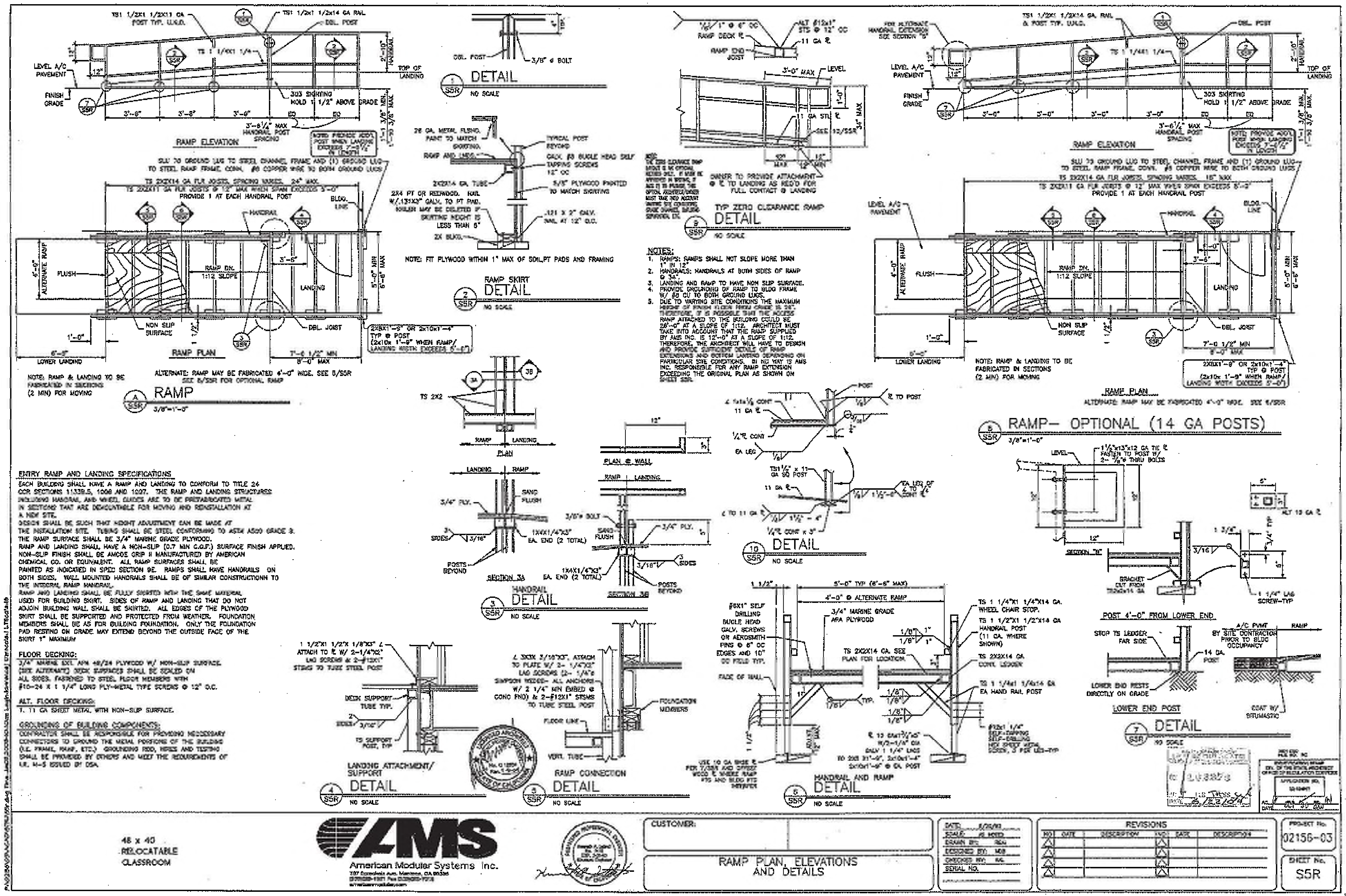
WALL FRAMING ELEVATIONS
& WALL DETAILS

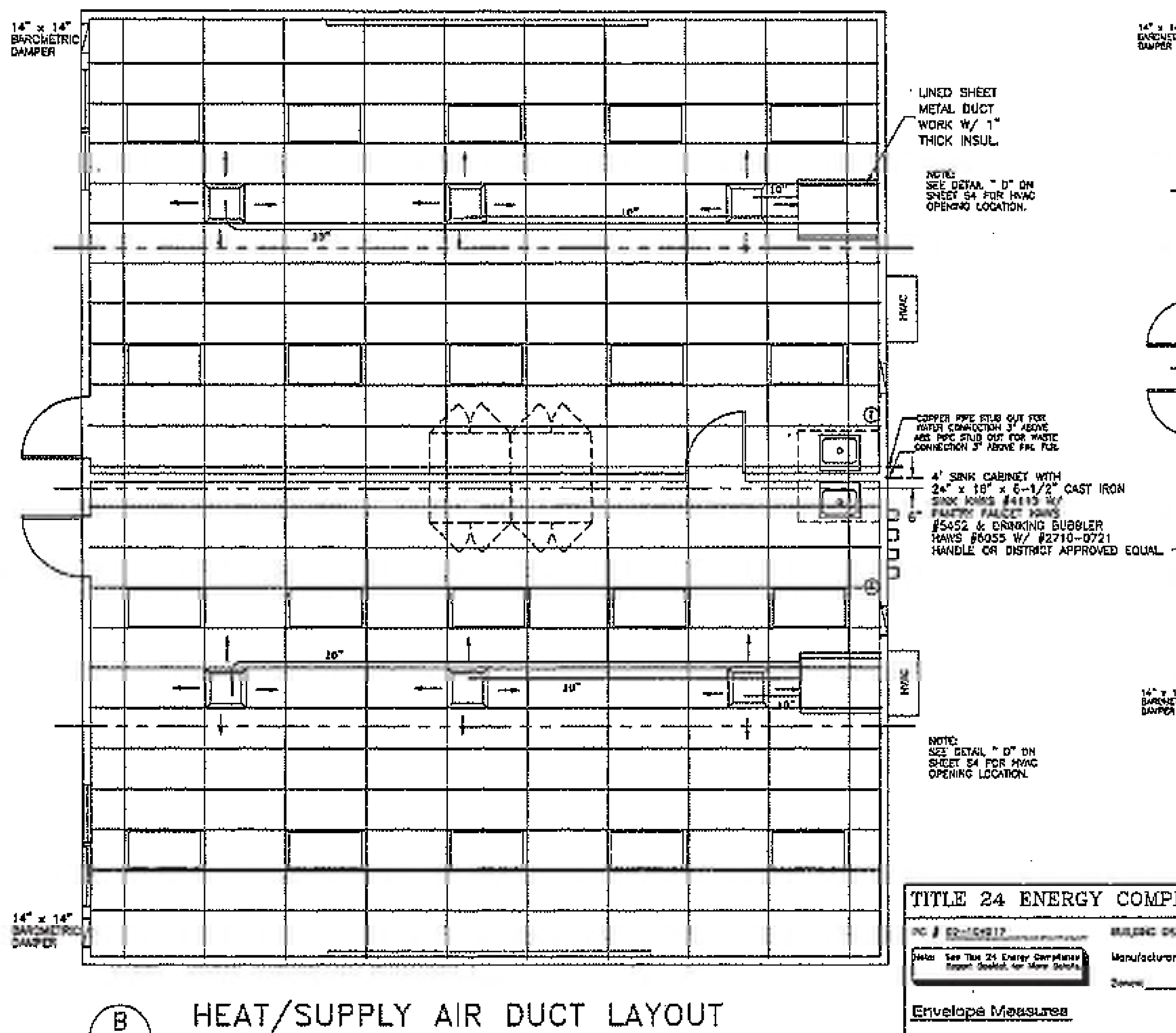
REVISIONS

PROJECT No.
02156-03

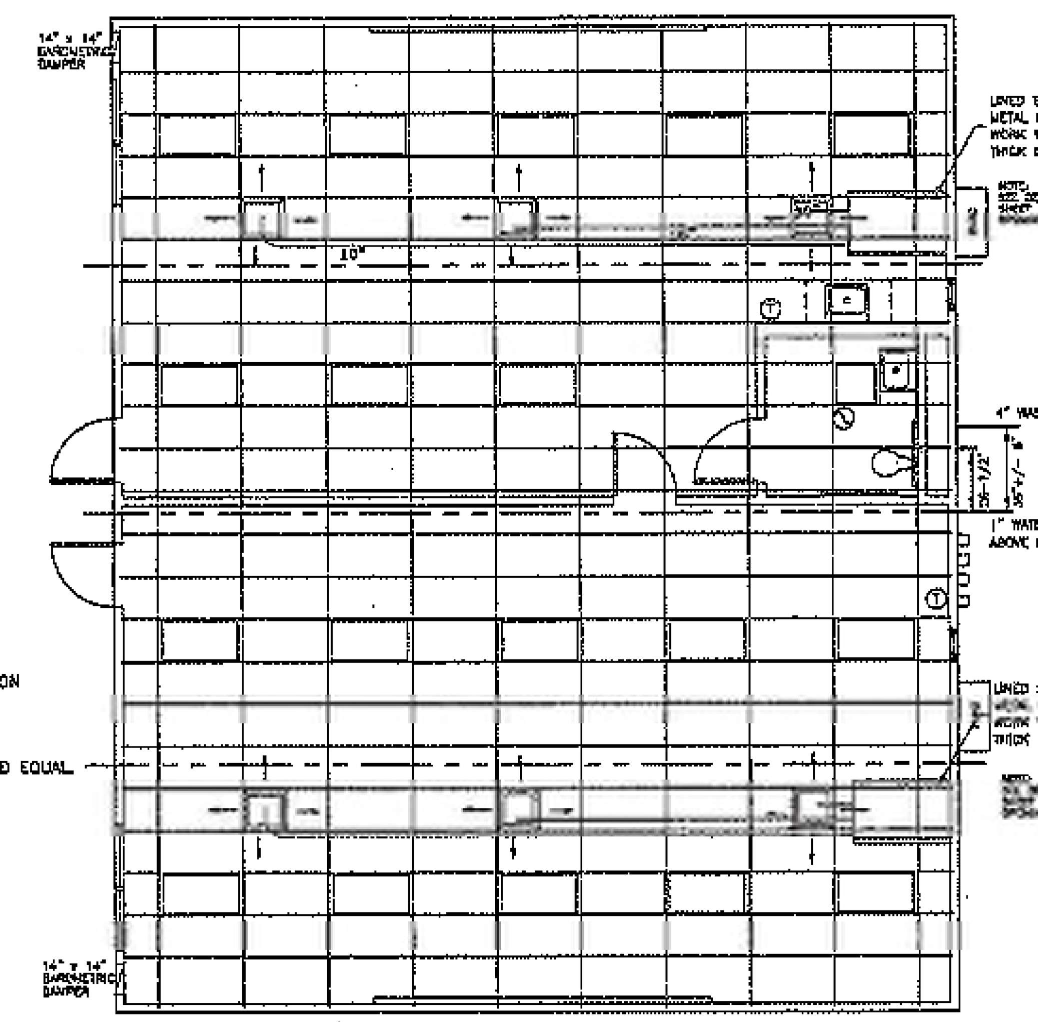
SHEET No.
S4

15

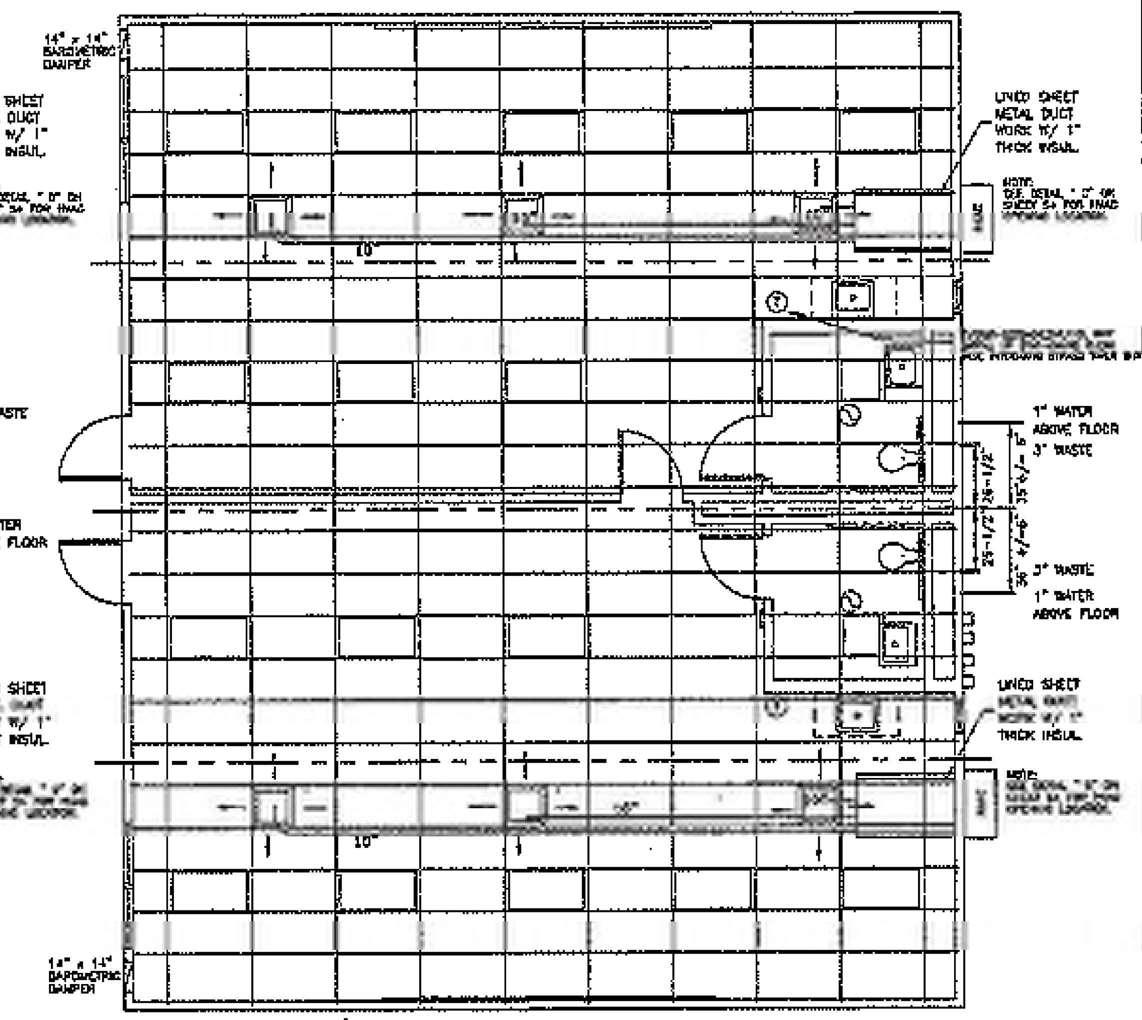

RAMP ELEVATION
RAMP PLAN
RAMP
3/8"=1'-0"
DETAIL
NO SCALE
RAMP SKIRT
DETAIL
TYP ZERO CLEARANCE RAMP
DETAIL
RAMP– OPTIONAL (14 GA POSTS)
3/8"=1'-0"
HANDRAIL
DETAIL
LANDING ATTACHMENT/
SUPPORT
DETAIL
RAMP CONNECTION
DETAIL
HANDRAIL AND RAMP
DETAIL
LOWER END POST
DETAIL
NOTE: FIT PLYWOOD WITHIN 1" MAX OF SOIL,PT PADS AND FRAMING
NOTE: RAMP & LANDING TO BE FABRICATED IN SECTIONS (2 MIN) FOR MOVING
ALTERNATE: RAMP MAY BE FABRICATED 4'-0" WIDE. SEE 6/S5R FOR OPTIONAL RAMP
ENTRY RAMP AND LANDING SPECIFICATIONS
EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 1133B.5, 1008 AND 1007. THE RAMP AND LANDING STRUCTURES INCLUDING HANDRAIL AND WHEEL GUIDES ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE.
DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. TUBING SHALL BE STEEL CONFORMING TO ASTM A500 GRADE B. THE RAMP SURFACE SHALL BE 3/4" MARINE GRADE PLYWOOD.
RAMP AND LANDING SHALL HAVE A NON-SLIP (0.7 MIN C.O.F.) SURFACE FINISH APPLIED. NON-SLIP FINISH SHALL BE AMCOS GRIP II MANUFACTURED BY AMERICAN CHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SPEC SECTION 9E. RAMPS SHALL HAVE HANDRAILS ON BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTIONN TO THE INTEGRAL RAMP HANDRAIL.
RAMP AND LANDING SHALL BE FULLY SKIRTED WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE SKIRT 1" MAXIMUM
FLOOR DECKING:
3/4" MARINE EXT. APA 48/24 PLYWOOD W/ NON-SLIP SURFACE. (SEE ALTERNATE) DECK SURFACES SHALL BE SEALED ON ALL SIDES. FASTENED TO STEEL FLOOR MEMBERS WITH #10-24 X 1 1/4" LONG PLY-METAL TYPE SCREWS @ 12" O.C.
ALT. FLOOR DECKING:
1. 11 GA SHEET METAL WITH NON-SLIP SURFACE.
GROUNDING OF BUILDING COMPONENTS:
CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.) GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHERS AND MEET THE REQUIREMENTS OF I.R. M-5 ISSUED BY DSA.
NOTES:
1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP @ 34".
3. LANDING AND RAMP TO HAVE NON SLIP SURFACE.
4. PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/ #8 CU TO BOTH GROUND LUGS.
5. DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 36". THEREFORE, IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 28'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY AMS INC. IS 12'-0" AT A SLOPE OF 1:12. THEREFORE, THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS AMS INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET S5R.
OWNER TO PROVIDE ATTACHMENT @ ℄ TO LANDING AS REQ'D FOR FULL CONTACT @ LANDING
48 x 40
RELOCATABLE
CLASSROOM
AMS
American Modular Systems Inc.
CUSTOMER:
RAMP PLAN, ELEVATIONS
AND DETAILS
REVISIONS
PROJECT No.
02156-03
SHEET No.
S5R



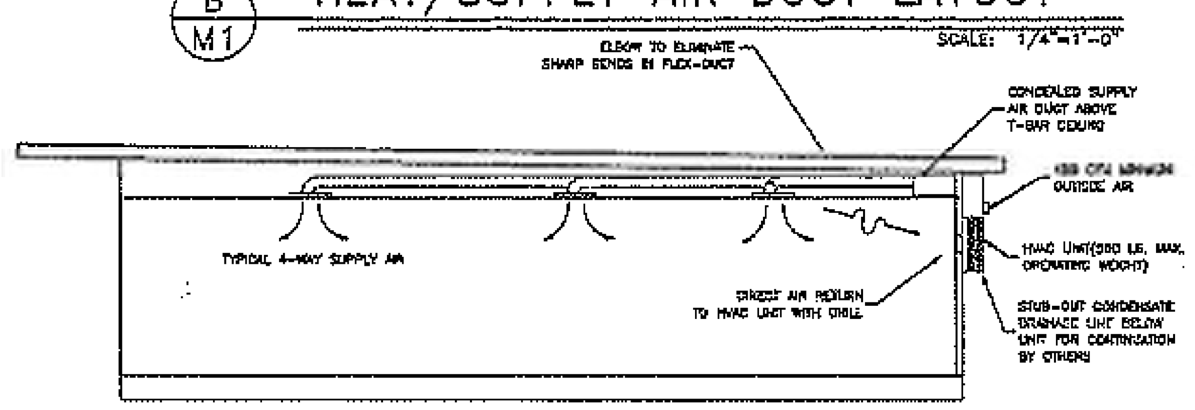
B/M1 HEAT/SUPPLY AIR DUCT LAYOUT
SCALE: 1/4"=1'-0"



B/M1 HEAT/SUPPLY AIR DUCT LAYOUT
SCALE: 1/4"=1'-0"



B/M1 HEAT/SUPPLY AIR DUCT LAYOUT
SCALE: 1/4"=1'-0"



A/M1 HEAT/SUPPLY AIR DUCT CROSS SECTION
SCALE: 3/16"=1'-0"

DUCT SUPPORT
Flex duct to be supported with 1-1/2" wide x 26 ga. galv. strap @ max 6'-0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1-1/2" wide x 28 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners.
Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

THESE DRAWINGS COMPLY WITH THE ENERGY CONSERVATION REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA

HVAC CFM CHART

MODEL NUMBER	DESCRIPTION	MAX. CFM
WH421-A	3 1/2 TON HEAT PUMP	1400
WH482-A	4 TON HEAT PUMP	1550
WH602-A	5 TON HEAT PUMP	1700

TITLE 24 ENERGY COMPLIANCE SUMMARY

PC # 02-104917 BUILDING DESCRIPTION: [illegible]
Note: See Title 24 Energy Compliance Report Booklet for More Details
Manufacturer: American Modular Systems
Zones: 14, 16 or 11 [illegible]

Envelope Measures

INSULATION
Roof: R-19 (Batt)
Wall: R-11 (Batt)
Floor: R-11 (Batt)

GLAZING
Panes: Dual U-Factor: 0.65
Frames: Metal SHGC: 0.34
Tinting: Solarban 60

Lighting Measures

Code:	Quantity:	Description:	Lamp/Ballast:	Total Watts:
A	20	(2) 4ft Fluorescent T8 Cap Tandem	F32T8 / Electronic	1,760

Controls for Credit: Occ Sensor > 250 sqft

Mechanical Measures

Module:	Type:	Qty:	OSA:	Cooling Eff.:	Heating Eff.:
48X40	[illegible]	2	1420	10.20 SEER	7.00 HSPF

HP T-Stat: ☒ Electric Heat (KW): [illegible] Duct Location: Conditioned Space
Economizer: ☐ Duct Insulation: R-4.2

GENERAL NOTES
HEATING VENTILATING AND AIR CONDITIONING (HVAC)

1. Heat Pump: Single package wall mounted air to air electric heat pump unit shall be rated in accordance with ARI Standard 240-77.
Reference Brands: WH43A05AP4XX HEAT PUMP-230/1, QUITE CLIMATE

MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT
All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards.
A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. In the summer
B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.

2. Ductwork.
A.) Construct all ductwork of galvanized sheet metal in accordance with C.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 2'0" of HVAC unit.
B.) Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be subsituted for sheet metal ductwork. All ductwork within 2' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure.
Reference Brands: Owens-Corning fiberglass ductboard, 1" thick, and Micro-aire, TYPE 475.
Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.

3. Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.

4. Supply air diffusers shall be 10" round 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, or equal and 90- B; UL #131 test, class 1 rating with "SMACNA".

5. Registors and diffusers: Provide three (Min) 4-way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, Shoemaker, Barber-Coleman or Krueger commercial grade grills and registers

6. Air conditioning controls.
Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.
A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period.
B.) Key board lockout switch.
C.) Programmable display.
D.) 2-hour override minimum.
E.) Status indicated Led's.
F.) Battery back-up.
Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers 1F92-371. Mounted at +60" sealed typ.

7. Thermal insulation
A.) Roof insulation: R-30 FSK
B.) Walls insulation: R-13 Kraft Faced.
C.) Floors insulation: R-13 Kraft Faced.
Flame spread and smoke development shall conform to California Building Code sec. 707.

8. Factory-made air ducts. Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliancewith U.M.C. Standard No. 6-1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6-1.

NOTE
STUB OUT LOCATIONS FOR WATER, WASTE AND GAS ARE DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT THE FACE OF THE BUILDING.

BUILDING FIXTURES, EQUIPMENT, & APPLIANCE SPECIFICATIONS

A. L - Lavatory, Eljer 051-2104, Eljer 807-1012 faucet with lever handles, Eljer 790- [illegible] 1/2"x3/8" tubing angle supplies Chicago faucet #1017, 17 ga. chrome plated p-trap with clean out and insulated w/a maximum flame spread of 25 & smoke density of 450.

B. WC - Water closets, shall be wall-hung [illegible] type elongated bowl with open front toilet seat and shall be mounted as specified on floor plan and in compliance with Title 24. Provide one handicapped adult WC1: Elier 091-1175, and three childrens WC2 [illegible] 12"x Elier [illegible]

C. Grab Bars - 1-1/4" Diameter, 18 ga., 304 stainless steel, satin finish, 1-1/2" stand off from wall, concealed or exposed mounting. Structural strength of grab bars (250# min.), mounting length (see floor plan), and configuration shall be as required by Title 24, section 2-411.C.

D. Toilet Room Mirrors - Bobrick B165 or equal, 18x30 stainless steel channel framed, mounted above each toilet room sink at +40" max.

E. Sewer And Water Stub Outs - shall be located within the allowable area as shown on floor plan and connections should be easily accessible for future relocation. Stub out height should be coordinated by the manufacturer.

F. Piping - Water, copper type "L", 95/5 solder. Waste, drain and vent ABS.
COPPER PIPE STUB OUT FOR WATER CONNECTION 3" ABOVE FIN. FLR.
ABS PIPE STUB OUT FOR WASTE CONNECTION 3" ABOVE FIN. FLR.

H. 4' SINK CABINET WITH 24" x 16" x 6-1/2" CAST IRON SINK HAWS #4110 W/ PANTRY FAUCET HAWS #5452 & DRINKING BUBBLER HAWS #5055 W/ #2710-0721 HANDLE OR DISTRICT APPROVED EQUAL.

BASED ON PC# 02-02-104917

48 X 40 PC RELOCATABLE CLASSROOMS

American Modular Systems Inc.

CUSTOMER:
LOS ANGELES UNIFIED SCHOOL DISTRICT
48'x40' STOCKPILE "2004"

MECHANICAL PLAN & NOTES

DATE: 08-31-04
SCALE: NONE
DRAWN BY: A.K.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

SHEET No. M1

Mechanical Mandatory Measures

Equipment and Systems Efficiency

- ☐ §111 Any appliance for which there is a California standard established in the Appliance Efficiency Regulations will comply with the applicable standard.
- ☐ §115(a) Fan type central furnaces shall not have pilot lights.
- ☐ §123 Piping, except that conveying fluids at temperatures between 60 and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.
- ☐ §124 Air handling duct systems shall be installed and insulated in compliance with Sections 601, 603 and 604 of the Uniform Mechanical Code.

Controls

- ☐ §122(e) Each space conditioning system shall installed with one of the following:
- ☐ §122(E) Each space conditioning system serving building types such as offices and manufacturing facilities (and all others not explicitly exempt from the requirements of section 122(d)) shall be installed with an automatic time switch with an accessible manual override that allows operation of the system during off-hours for up to 4 hours. The time switch shall be capable of programming different schedules for weekdays and weekends; incorporate an automatic holiday "shut off" feature that turns off all loads for at least 24 hours, then resumes the normally scheduled operation; and has program backup capabilities that prevent the loss of the device's program and time settings for at least 10 hours if power is interrupted; or
- ☐ §122(e) An occupancy sensor to control the operating period of the systems; or
- ☐ §113(b) A 4-hour timer that can be manually operated to control the operating period of the system.
- ☐ §122(e) Each space conditioning system shall be installed with controls that temporarily restart and temporarily operate the system as required to maintain a setback heating and/or a setup cooling thermostat setpoint.
- ☐ §122(g) Each space conditioning system serving multiple zones with combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone: shall not exceed 25,000 square feet; shall be provided with devices, such as valves or dampers, that allow supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.
- ☐ §122 (A&B) Each space conditioning zone shall be controlled by an individual thermostatic control that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55 degF or lower. For cooling, the control shall be adjustable up to 85 degF or higher. Where used to control both heating and cooling, the control shall be capable of providing a dead band of at least 5°F within which the supply of heating and cooling is shut-off or reduced to a minimum.
- ☐ §122(c) Thermostats shall have numeric setpoints in degrees Fahrenheit (F) and adjustable setpoint stops accessible only to authorized personnel.
- ☐ §122(b) Heat Pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.

Ventilation

- ☐ §121(c) Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified in these plans.
- ☐ §122(f) Gravity or automatic dampers interlocked and closed on fan shutdown shall be provided on the outside air intakes and discharges of all space conditioning and exhaust systems.
- ☐ §122(f) All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.
- ☐ §121(f) Air Balancing: The system shall be balanced in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1983), or Associated Air Balance Council (AABC) National Standards (1989); or
- ☐ §121(f) Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C-20 Mechanical contractor and certified by (1) the design mechanical engineer, (2) the installing licensed C-20 mechanical contractor, or (3) the person with overall responsibility for the design of the ventilation system; or
- ☐ §121(f) Outside Air Measurement: The System shall be equipped with a calibrated local or remote device capable of measuring the quantity of outside air on a continuous basis and displaying that quantity on a ready accessible display; or
- ☐ §121(f) Another method approved by the Commission.

Envelope Mandatory Measures

- ☐ §118(a) Installed Insulating Material shall have been certified by the manufacturer to comply with California Quality Standards for insulating material, Title 20
- ☐ §118(c) All insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of the Title 24, Part 2
- ☐ §117(a) All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.
- ☐ §116(b) Site Constructed Doors, Windows, and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).
- ☐ §116(a) Manufactured Doors and Windows installed shall have air infiltration rates not exceeding those shown in Table Number 1-E. of standards. manufactured fenestration products must be labeled for U-value according to NFRC procedures.
- ☐ §118(e) Demising Walls in Nonresidential Buildings: The Opaque portions of rates not exceeding those shown in framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-11 between framing members.

Mechanical Mandatory Measures – Cont.

Service Water Heating Systems

- ☐ §113(b) If a circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.
- ☐ §113(b) Lavatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110°F.
- ☐ §113(b) Lavatories in restrooms of public facilities shall be equipped within of the following:
- ☐ Outlet devices that limit the flow of hot water to a maximum of 0.5 gallons per minute
- ☐ Foot actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute.
- ☐ Proximity sensors actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute
- ☐ Self-closing valves, and outlets devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.25 gallons/cycle (circulating system).
- ☐ Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.50 gallons/cycle (non-circulating system)
- ☐ Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.75 gallons/cycle (foot switches and proximity sensor controls).

Pools and Spas

- ☐ Pool and/or spa heating systems or equipment shall be installed only if the manufacturer has certified that the system or equipment meets the requirements of *114 and *115 of the Energy Efficiency Standards. Equipment shall not have a pilot light. All such systems shall be installed with at least 36" of pipe between the filter and the heater to allow for the future addition of solar heating equipment.
- ☐ A cover shall be provided for outdoor pools.
- ☐ A cover shall be provided for outdoor spas.
- ☐ Pools shall be installed with directional inlets that adequately mix the pool water.
- ☐ Pool circulation pump(s) shall be provided with a time switch that allows the pump to be set to run in the off-peak electrical demand period, and for the minimum time necessary to maintain the water in the conditions required by applicable public health standards.

Lighting Mandatory Measures

- ☐ §131(d)1 For every floor, all interior lighting systems shall be equipped with a separate automatic control to shut off the lighting. This automatic control shall meet the requirements of Section 119 and may be an occupancy sensor, automatic time switch, or other device capable of automatically shutting off the lighting.
- ☐ §131(d)2 Override for Building Lighting Shut-Off The automatic building shut-off system is provided with a manual, accessible override switch in sight of the lights. The area of override is not to exceed 5,000 square feet.
- ☐ §119(h) Automatic control Devices Certified All automatic devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.
- ☐ §113(b) Fluorescent Ballast and Luminaries Certified All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.
- ☐ §132 Tandem Wiring for One and Three Lamp Fluorescent Fixtures: All one and three lamp fluorescents fixtures are tandem wired with two lamp ballasts were required by Standards Section 132: or all three lamp fluorescents fixtures are specified with electronic high-frequency ballasts and are exempt from tandem wiring requirements.
- ☐ §131(a) Individual Room/Area Controls: Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.
- ☐ §131(b) Uniform Reduction for Individual Rooms All rooms and areas greater than 100 square feet and more than 0.8 watts per square foot of lighting shall be controlled with Bi-level switching for uniform reduction of lighting within the room.
- ☐ §131(c) Daylit Area Control All rooms with windows and skylights, that are greater than 250 square feet, and that allow for the effective use of daylight in the area shall have 50% of the lamps in each daylit area controlled by a separate switch; or The effective use of daylight cannot be accomplished because the windows are continuously shaded by a building on the adjacent lot. Diagram of shading during different times of year is included on plans.
- ☐ §131(f) Control of Exterior Lights Exterior mounted fixtures and served from the electrical panel inside the building are controlled with a directional photo cell control on the roof and a corresponding relay in the electrical panel.
- ☐ §131(e) Display Lighting: Display lighting Exterior mounted fixtures and served shall be separately switched on circuits that are 20 amps of less.

BASED ON PC 02-104917

48 X 40
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.

CUSTOMER:

ENERGY MANDATORY MEASURES

DATE: 10-30-03
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL No.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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△			△		
△			△		
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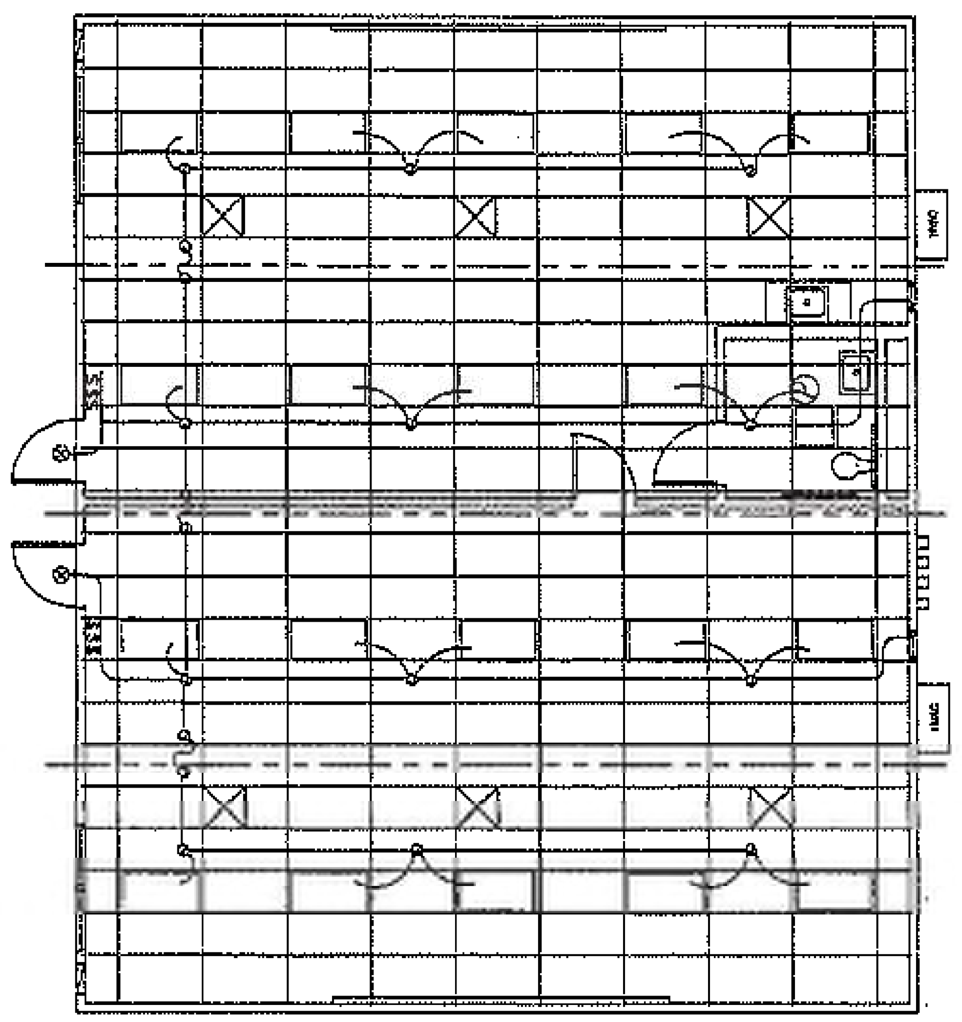
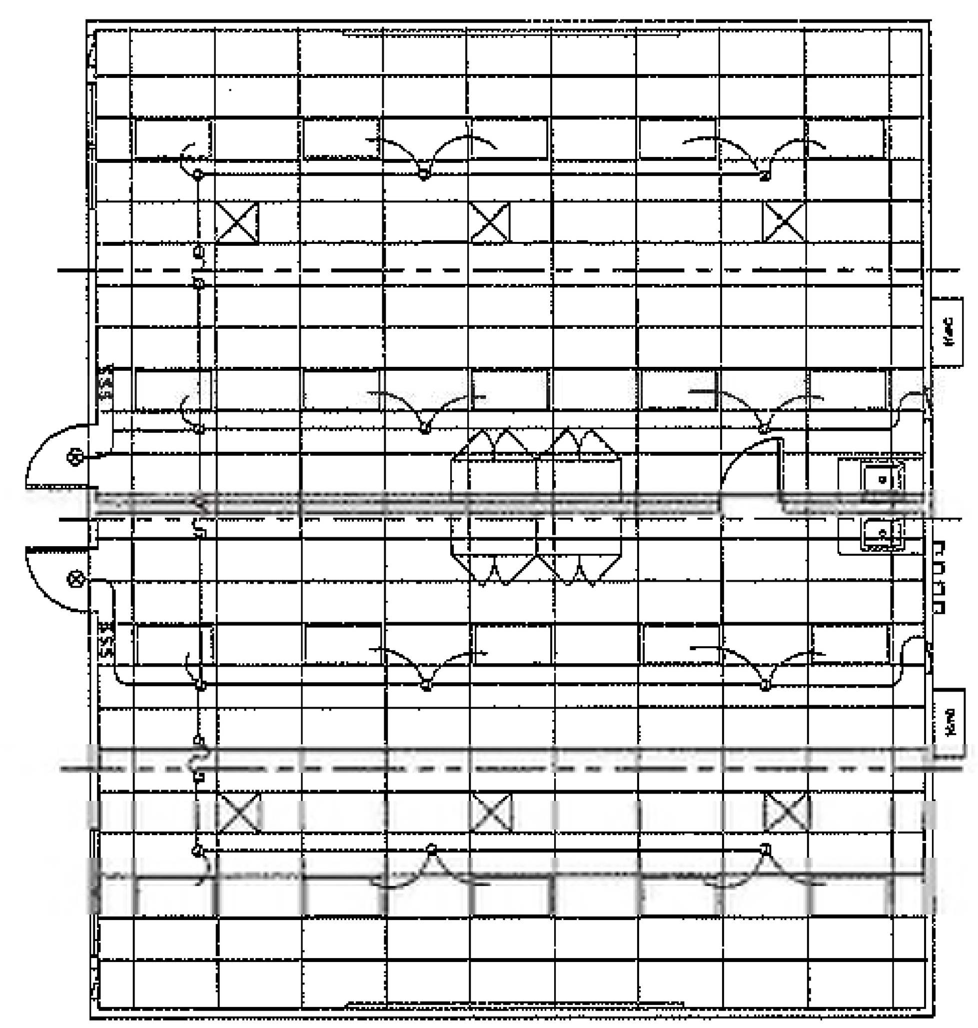
PROJECT No.

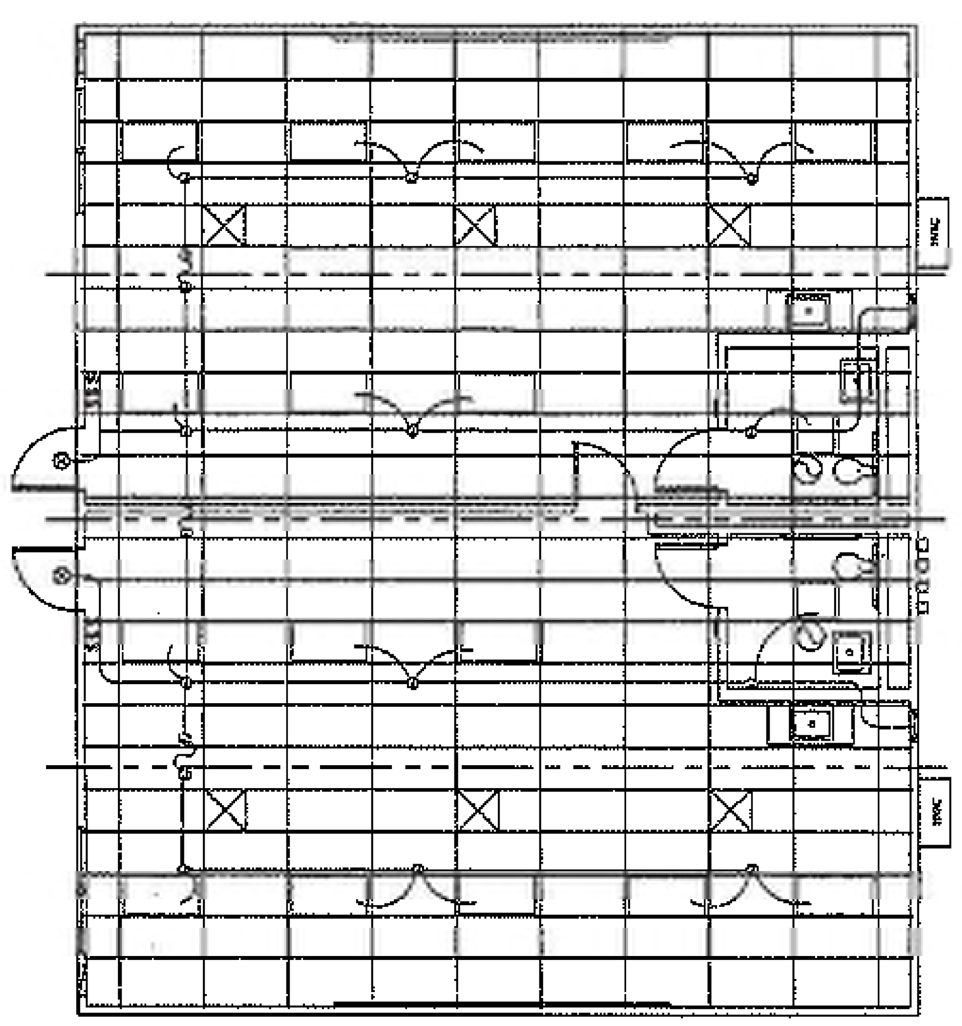
SHEET No.
M2



1 LIGHT FIXTURE PLAN
E1 3/16" = 1'-0"



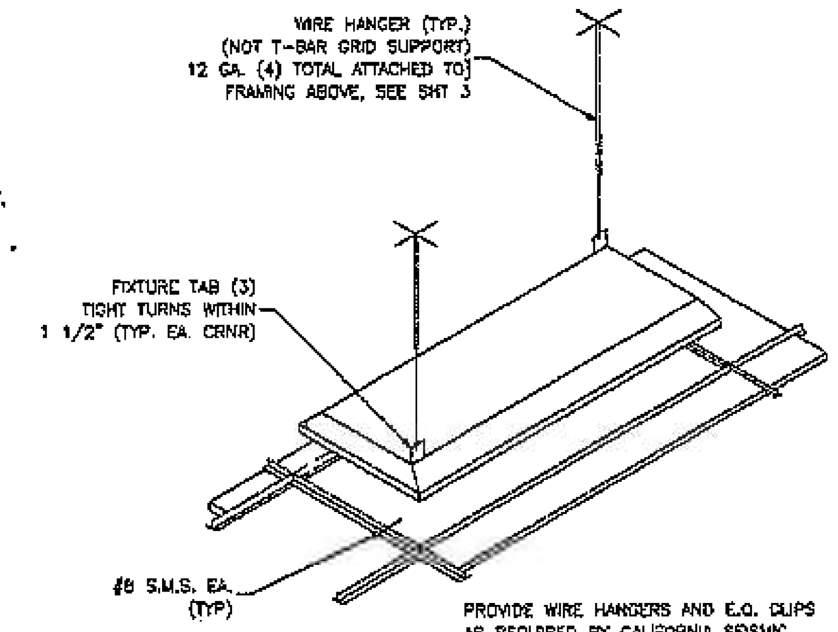
1A LIGHT FIXTURE PLAN
E1 3/16" = 1'-0"



1B LIGHT FIXTURE PLAN
E1 3/16" = 1'-0"

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE – RESCESSED.
- H.P.S. LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
- INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +18" TO CENTER LINE.
- SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J–BOXES ABOVE T–BAR CEILING #1–4"X1",#22 4"X2 "
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- a SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +18" TO CENTER LINE.
- JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
- PANELBOARD – SEE SCHEDULE.
- TERMINAL CABINET – SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- NOTE: BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, 3#14, 4#14 ETC. FOR OTHER SIZES AS FOLLOWS, 3#10, 4#6 ETC.
- Ⓐ FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
- N.I.E.S. ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- (W.E.F.) WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48" CENTERLINE
- FIRE ALARM HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +80" A.F.F. AND NOT LESS THAN 6" BELOW FINISHED CEILING.
- FIRE ALARM VISUAL ALARM– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96".
- SPEAKER– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
- INTERCOM TELEPHONE– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- FIRE ALARM MINI HORN/STROBE – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +80" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.

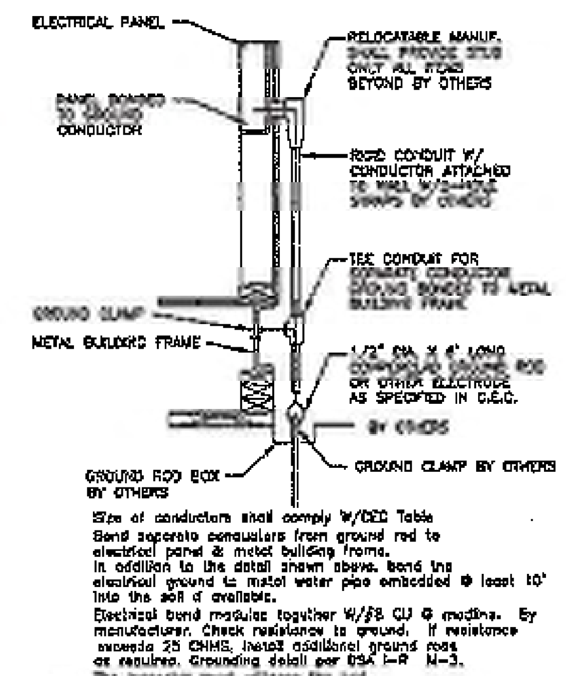


SUPPORT DETAIL

PROVIDE WIRE HANGERS AND E.Q. CLIPS AS REQUIRED BY CALIFORNIA SEISMIC REGULATIONS CBC 2501A.5 & IR. M-3

LOAD	WATTS A	WATTS B	BRK	P	CKT	CKT	BRK	P	WATTS	LOAD
VOLTS: 120/240 SINGLE PHASE			PANEL: A			FEED: EXTERIOR LB				
MAIN: 125 AMP MAIN BRKR			LOCATION: INTERIOR			MOUNTING: FLUSH				
LIGHTS, FLUORESCENT			20	1	1	2	20	1		SPARE
LIGHTS, FLUORESCENT			20	1	3	4	30	2		HVAC
DUPLEX RECEPT.			20	1	5	6				
DUPLEX RECEPT.			20	1	7	8	20	1		DUPLEX RECEPT.
DUPLEX RECEPT.			20	1	9	10	20	1		DUPLEX RECEPT.
					11	12	20	1		DUPLEX RECEPT. PNL
					13	14				
					15	16				
					17	18				
					19	20				
					21	22				
					23	24				
					25	26				
			15	1	27	28				
			15	1	29	30				
PHASE WATTAGE	[illegible]	[illegible]								PHASE WATTAGE
TOTAL WATTS "A" [illegible]			TOTAL WATTS A+B= 17190			TOTAL WATTS "B" [illegible]				
TOTAL WATTS: 17190	72 AMPS		120/240V			SINGLE PHASE				125AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.										

3 ELECTRICAL DISTRIBUTION PLAN
E1 1/4" = 1'-0"



Size of conductors shall comply W/CEC Table. Bond separate conductors from ground rod to electrical panel & metal building frame. In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available. Electrical bond modules together W/#8 CU @ modline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods as required. Grounding detail per DSA IR M-3. The inspector must witness the test.

A BUILDING GROUND DETAIL
E1 N.T.S.

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'X4' FLUORESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. [illegible] ELECTRONIC BALLASTS (3)[illegible] WATT TUBES [illegible]	[illegible] 32 W	[illegible]
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) [illegible] 2700 K	[illegible] 70858-L OR OR EQUAL

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES.
FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

THE LIGHTS FOR EACH ROOM OVER 250 SQUARE FEET SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR, WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE IN CONJUCTION WITH BI-LEVEL SWITCHING.

NOTE:
THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT AND SMOKE DETECTORS WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575

NOTE
STUB OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES. LOCATIONS SHOWN ARE DIAGRAMMICAL ONLY. EXACT LOCATIONS MAY VARY +/– SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.

BASED ON PC 02-104817

48 X 40 PC
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.
787 Spreckels Ave, Manteca, CA 95336
(209)825-1921 Fax (209)825-7058
www.americanmodular.com

CUSTOMER:
LOS ANGELES UNIFIED SCHOOL DISTRICT

ELECTRICAL & LIGHTING PLAN & NOTES

DATE: 03-31-04
SCALE: NONE
DRAWN BY: N.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

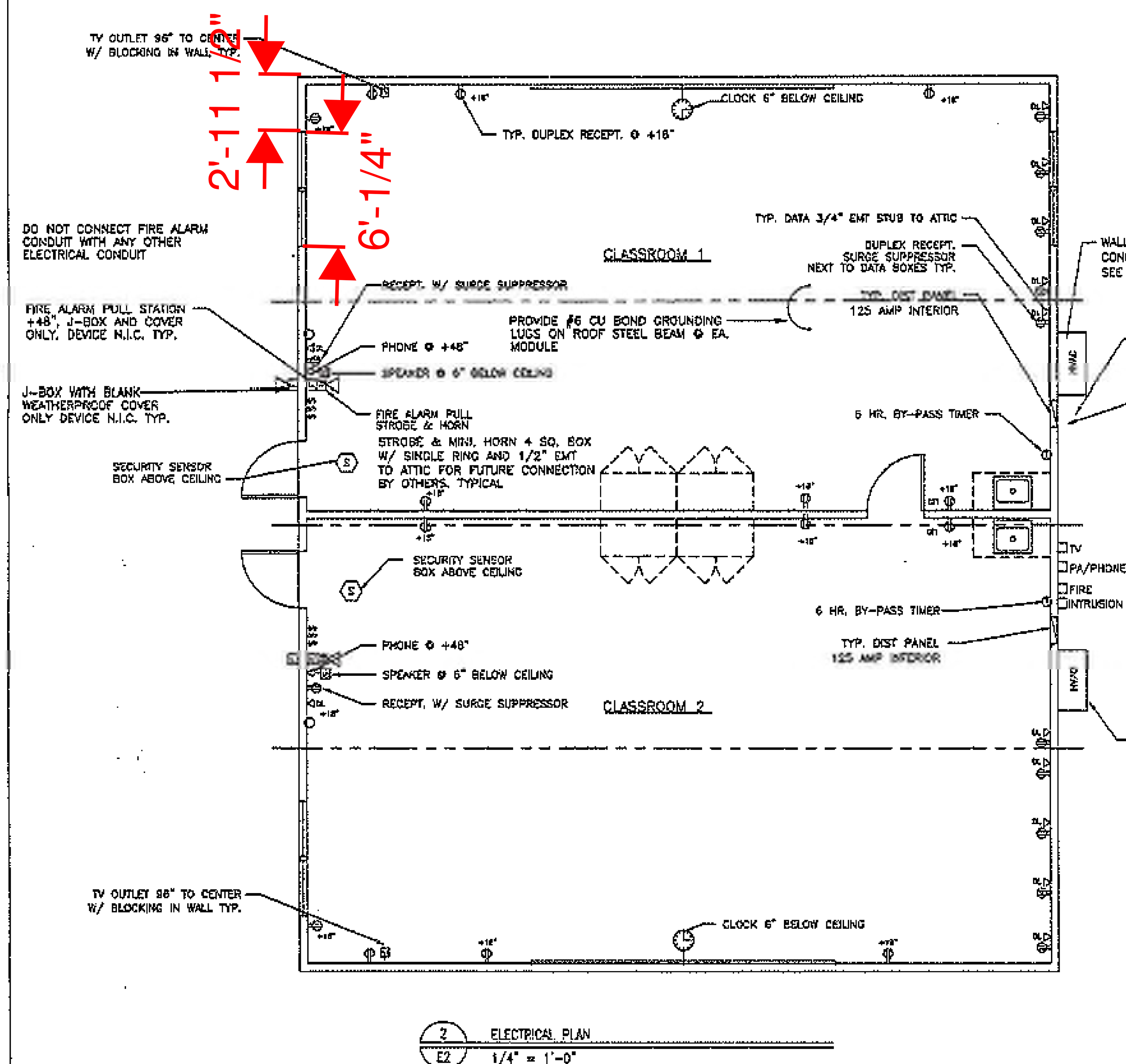
PROJECT No.

SHEET No.
E1

17

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE – RESCESSED.
- H.P.S. LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
- INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
- DUPLEX WALL 20 AMP CONVENIENCE OUTLETS +18" TO CENTER LINE.
- SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1",#22 4"XG "
- WALL CLOCK OUTLET WITH 3/4" EMT TO ABOVE CEILING +90".
- SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
- 20 AMP DUPLEX RECEPTACLE +18" TO CENTER LINE.
- JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
- PANELBOARD – SEE SCHEDULE.
- TERMINAL CABINET – SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- NOTE: BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT. FOR MORE THAN 2#14 WIRES AS FOLLOWS, 3#14, 4#14 ETC. FOR OTHER SIZES AS FOLLOWS, 3#10, 4#6 ETC.
- Ⓐ FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
- N.I.E.S. ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- [W.E.F.] WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"CENTERLINE
- FIRE ALARM HORN – OULET ONLY STUB TO CEILING – 4" SQ. BOX W/ SINGLE DEVICE RING,1/2"EMT AND W.P. COVER +90" A.F.F. STUB TO ABOVE CEILING W/ 1/2" EMT.
- FIRE ALARM VISUAL ALARM– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96". IF CEILING MOUNTED PER NFPA72 TABLE 6–4.4.1(b).
- SECURITY KEY PAD– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING, 1/2" EMT STUB AND COVER +60"
- DATA OUTLET– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +16"
- FIRE ALARM MINI HORN/STROBE – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. STUB ABOVE CEILING W/ 1/2" EMT.



2 / E2 ELECTRICAL PLAN
1/4" = 1'-0"

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STAT ARCHITRCT.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#6 CU)
3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE TITLE 24.
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

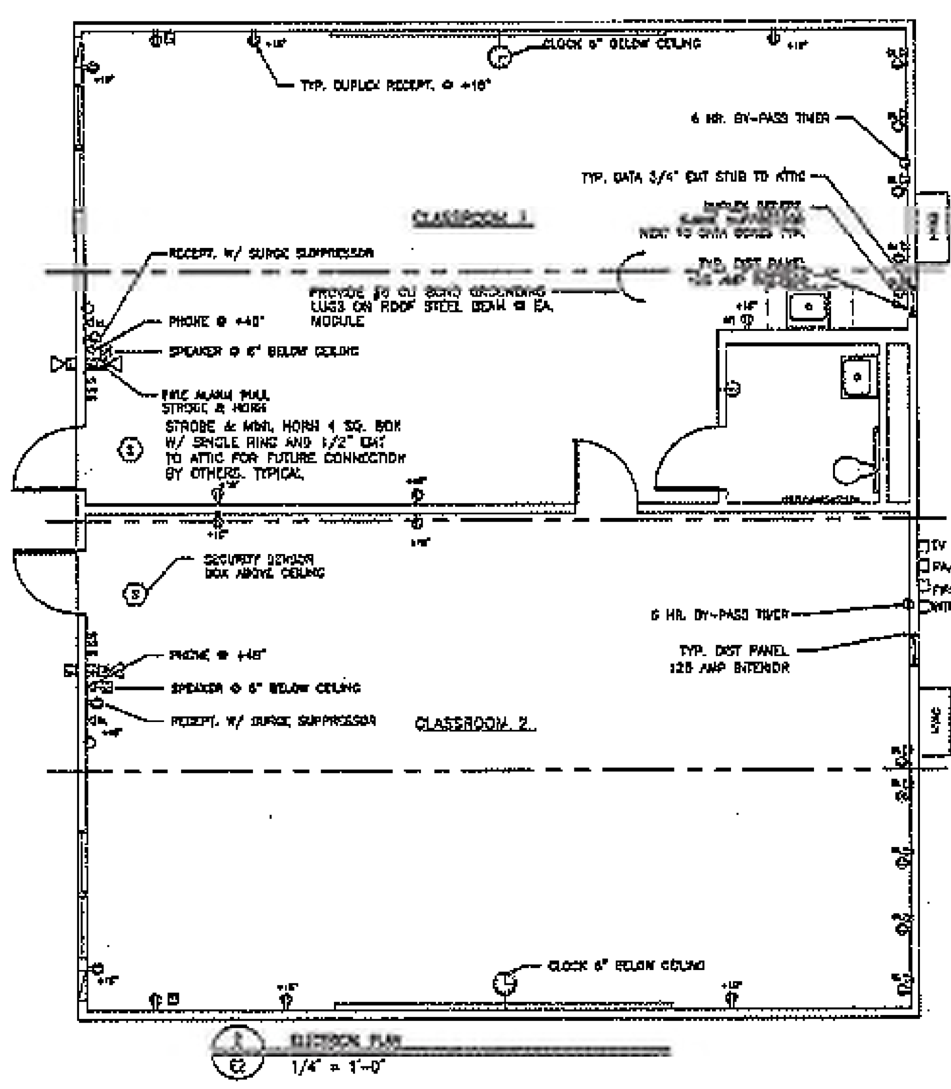
ELECTRICAL

1. Electrical service drop and connections supplied by others.
2. Manufacturer to provide stub–out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
3. Electrical panel board shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.
4. 2x4 Flourescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH–12, Carolite, Inc. #C–12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be .125 inch.
5. Flourescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
6. Clock – 12" dial clock on clock outlet.
   A) Clock shall be General Electric model 2912 129V 60 cycle
   B) Clock outlet shall be Bryant #2826 or equal with separable hanging clip & opp'd recept.

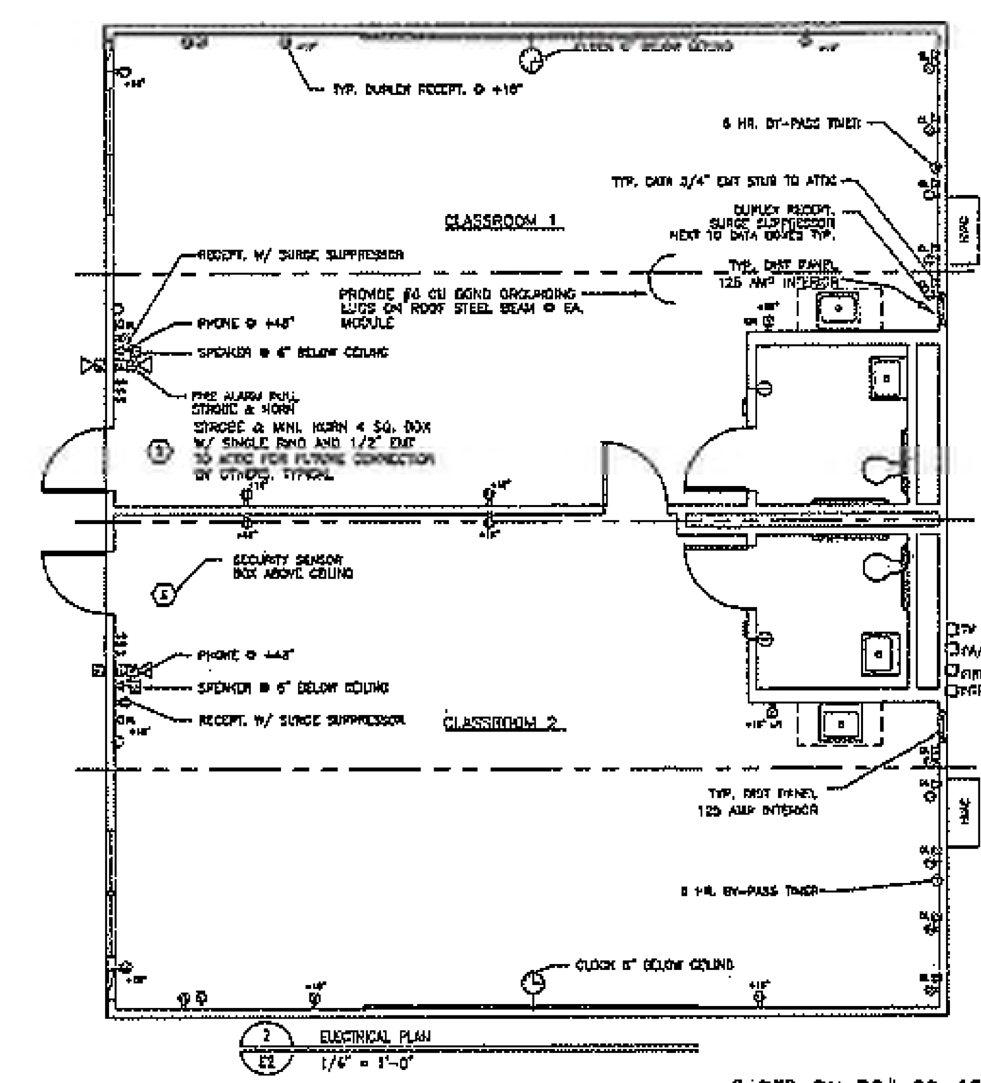
Junction boxes – Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18– above finish floor for future connection. Covers – Install gasketed, metal, waterproof, finish covers at exterior locations.

If testing results determine fire alarm audibility does not meet 15db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing anency

The H.V.A.C. unit feeder circuit – panel circuit breaker, feeder wire, unit disconnect and fuses (where used) – is to be coordinated with the name plate data at the time ofmanufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 60 degrees C. wire is to be used in this installation, calculations demonstrating ampacity be provided on the drawing.



2 / E2 ELECTRICAL PLAN
1/4" = 1'-0"



2 / E2 ELECTRICAL PLAN
1/4" = 1'-0"

BASED ON PC# 02-104917

48 X 40 PC
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.

CUSTOMER:	
LOS ANGELES UNIFIED SCHOOL DISTRICT	
ELECTRICAL PLAN & NOTES	

DATE: 06-17-04	
SCALE: NONE	
DRAWN BY:	
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

SHEET No. E2

18

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

American Modular Systems Inc.

1-48 X 40 RELOCATABLE CLASSROOMS
MOBILE MODULAR MANAGEMENT

TEST AND INSPECTION LIST

TESTING LABORATORY: ______ DATE: ______

NAME: 1 BUILDING STOCKPILE 48x40 #04-906-511

DISTRICT/OWNER: MOBILE MODULAR MANAGEMENT CORP.

DIVISION-FILE NO. 39-0 APPLICATION NO. ______

ARCHITECT: JOHN H. LAWDER

STRUCTURAL ENGINEER: ______

STATE OF CALFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT

STRUCTURAL TESTS AND INSPECTIONS

ORS 103-1 (R 11/85)

The following tests and inspections, as checked, will be required as detailed in applicable specifications.

COMPACTED FILL	
	Fill material, acceptance tests
	Compaction control, continuous
	Compaction tests only as ordered
	Bearing capacity of compacted fill
REINFORCING STEEL	
X	Sample and test bar steel
	Sample and test mesh
	Inspect placing at job
STRUCTURAL STEEL	
X	Sample and test as detailed below
	Shop fabrication inspection
	Field erection inspection
X	Inspection of welds - Shop
	Inspection of welds - Field
	Inspection of riveting or bolting - Shop
	Inspection of riveting or bolting - Field
	Sample and test high strength bolts and washers
BRICK AND BLOCK	
	Sample and test
	Test only
	Inspection of placing
	Core drill samples
GLUED LAMINATED STRUCTURAL LUMBER	
	Fabrication inspection
	Sample and test steel accessories
	Inspect fabrication of steel accessories

CONCRETE	GUNITE	GROUT	MORTAR	
				Test of aggregates for mix design only
				Suitability tests of aggregates as detailed below
				Mix designs
				Continuous batch plant inspection
				Inspect placing
				Sample
X				Compressive tests
				Pick up samples at job
				Samples delivered to laboratory
				Deliver sample forms to jobsite
				Sample and test cement

SUITABILITY TESTS	CONCRETE MATERIALS	GUNITE	MORTAR	GROUT
Sodium sulphate				
Structural strength				
Los Angeles rattler				
Clay (Hydrometer method)				
Reactivity tests				
Volume change				

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH, PSI, MINIMUM 28 DAYS					
CONCRETE	1 1/2"	2500					
CONCRETE	1 1/2"	3500					

List of structural steel members to be tested:

3 1/2" x 3 1/2" x 1/4" SQ. COL.
C7 X 9.8 (ALT. C10 x15.3, C9x13.4)
10 ga. & 12 ga. ROOF CEE
6 7/8" X 14 GA. FLR. JOISTS
6 7/8" x 12 ga. ALT. FLR. JOIST
W5x16 ALT. FLR. JOIST
6" x 14 ga. ROOF JOIST
4" x 12ga. ALT. ROOF JOIST
3 1/2" x 10 ga. ALT. RF. JOIST
2"x16 ga. STRAPS
3"x18 ga. ALT. STRAPS

TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2231.A.1

Other Tests and Inspections, together with special instructions:

GROUNDING TEST
EXPANSION ANCHORS

Copies of Reports to:

DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: ______
AUTHORIZED REPRESENTATIVE

INDEX

BUILDING DATA
CLASSROOMS
SERIAL #04-906-511

OCCUPANCY	E-1/B → B OCCUPANCY USES TO MEET THE REQUIREMENTS OF CBC TABLE 3-A AND CBC TABLE 5-A
TYPE OF CONSTRUCTION	V - NON-RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS/SQ FT
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE) THIS STRUCTURE IS DESIGNED TO SUPPORT A FIRE SPRINKLER SYSTEM
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	1920 SQ FT
CLIMATE ZONE	1-16

2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

2001 CALIFORNIA BUILDING CODE, VOLUMES 1, 2 AND 3 (PART 2, TITLE 24, CCR)
(1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
(1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
(2000 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
(2000 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)

2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)

2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

NFPA 13, 1999 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED

NFPA 14, 2000 EDITION, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS

NFPA 24, 1995 EDITION, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES

NFPA 72, 1999 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED

REGISTERED PROFESSIONAL ENGINEER JOHN H. LAWDER No 2310 STRUCTURAL STATE OF CALIFORNIA

CBC 2001

MODULES	MOMENT-RESISTANT
SYSTEM	(4) 12' X 40' MODULES
FOUNDATION	WOOD
SEISMIC	ZONE 4 SEISMIC SOURCE A DISTANCE FROM SEISMIC SOURCE ≤ 2 KM SOIL TYPE S_D

FILE NO. 39-0
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106184
AC. AMF FLS. BE SS. SSam
DATE 9/20/04

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

BASED ON PC 04-104917

JOB NO.
DATE: APRIL 13, 2004
SHEET NUMBER
TS-1
BINDING ORDER 1

*BOTH PC1a- #02-106373 and PC1b-#02-106184 are based on PC 04-104917, therefore the details are the same in both packages. Due to the illegibility of the available existing PC 02-106373 drawings, PC1b is provided for cross reference purposes only. Relocatable buildings R1 and R2 , even though the PC drawings provided herewith are illegible, will be based on the drawings and verified reports for PC1a.

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A — GENERAL REQUIREMENTS

1. GENERAL
A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
2. SCOPE OF WORK
A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.

FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.

14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.

NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

3. WORK NOT INCLUDED
A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
4. WHEELS AND HITCH
SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. ACCESSIBILITY OF SITE
THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

TRIM/ FINISH NAILING

DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 1/4"	GALV
CASING, SILL & INT. CORNER TRIM	X	16g	1 1/4"	N
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

SECTION 5 — STEEL

A. GENERAL – ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
B. WELDING – ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE OFFICE OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, CCR, SECTION 2231A.5 WELDING ELECTRODE SHALL BE E70XX. CBC SECT. 2213A.4.1 SEE 1/S4
1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36, UNLESS OTHERWISE NOTED.
2. PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
C. ERECTION – STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
D. NAILS, BOLTS, SCREWS AND NUTS ETC.– FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.
E. HANDRAILS – FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.
F. SHOP PAINT
1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.
G. TESTS
1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2, CCR SECTION 2231.A.1.

SECTION 6A — CARPENTRY

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY
2. MATERIALS
LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER, 3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B.. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH UBC STANDARD 23-2. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
A. JOISTS, PLATES, STUDS-DOUGLAS FIR S4S #2 U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
B. HEADERS, POSTS AND TIMBERS-DOUGLAS FIR S4S #1
C. BLOCKING – DOUG FIR #3, OR HEM FIR #3, OR STD. & BET.
D. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7 EACH PIECE SHALL BEAR AWPB STAMP. LP-22 GROUND CONTACT, D.F.#2 ABOVE GROUND.
E. PLYWOOD ROOF DECKING – SEE A/S3
F. PLYWOOD FLOOR DECKING – APA STURD-I-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB. 1-1/8"NOM. OR EQUAL. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE.
G. EXTERIOR SIDING/SHEATHING – APA TYPE 303, EXTERIOR, OR HARDIPANEL FIBER CEMENT SIDING AS MFG. BY JAMES HARDIE BUILDING PRODUCTS NER-405 REPORT
H. MOISTURE BARRIER – KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 17-1 FOR KRAFT, 32-1 FOR FELT.
J. STUDS – S4S DOUG FIR #2, OR #2 HEM FIR. MOISTURE CONTENT NOT OVER 19%
K. FASTENERS –NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 2316A.3.4 COMMON NAILS FOR EXT. SIDING & FNDN. ONLY.
L. BUILDING TRIM – 2X RESAWN SELECT D.F.,H.F.,OR CEDAR
M. DOOR/WINDOW TRIM – 1X4 REWAWN D.F.,H.F.,OR CEDAR.
N. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
O. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.
P. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
Q. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
3. WORKMANSHIP
A. FRAMING – SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
B. NAILING – IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE CODE, TABLE 23A-11-B-1
C. EXTERIOR WALLS – FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
D. MACHINE APPLIED NAILING:
USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
E. MOISTURE BARRIER – APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B — SHEET METAL

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
2. MATERIALS
A. SHEET METAL – INSULATED STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
B. SOLDER – OF STAND, GRADE "A" OF EQUAL PARTSARD BRAND LEAD AND TIN ASTM B32.
C. FLUX – ZINC SATURATED MURIATIC ACID.
D. GUTTERS: 26 GA. G-90 GALV. STEEL.
DOWNSPOUTS: 2"X3" CONVOLUTED 30 GA. G-90 GALV. STEEL.
GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL.
GUTTER CLIPS: 18 GA. G-90 GALV. STEEL
3. WORKMANSHIP
SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C — METAL ROOFING

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
2. MATERIALS
A. ROOFING – 3 INCH STANDING SEAM 22-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
B. ROOFING: CLASS B FIRE RATING

SECTION 7J — SEALANT

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
2. MATERIALS
VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
3. WORKMANSHIP
SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION CONCRETE — CONCRETE (IF USED)

1. CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFED HEREIN.
2. REINFORCEING BARS:ASTM A615 OR ASTM A706 DEFORMED GRADE 40 BILLET STEEL.
3. EXPANSION JOINT FILLER: ASTM D994
4. FORM MATERIALS: SIDE FORMS DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER: OR METAL FORMS.
5. PLACING REINFORCEMENT, PLACING CONCRETE SUFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24.

ACCESSIBILITY STANDARDS

CALIFORNIA BUILDING CODE (PART 2, TITLE 24, CCR)
SEC. 1103B.1 BUILDING ACCESSIBILITY, GENERAL.
THE 2001 CBC REQUIRES THAT BUILDINGS EXCEEDING 10,000 SQUARE FEET ON ANY FLOOR MUST HAVE AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR, OR LIFT WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH STAIR AND EACH ESCALATOR.
TABLE 1115B-1 SUGGESTED DIMENSIONS FOR CHILDREN'S USE.
THE 2001 CBC REQUIRES A 27" MINIMUM DIMENSION FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK.
SECTION 1115B.7.1 (3) ACCESSIBLE WATER CLOSET COMPARTMENT.
THE 2001 CBC REQUIRES AN ACCESSIBLE TOILET STALL TO HAVE A MINIMUM WIDTH OF 60".
SECTION 1115B.6.2.4.1 WATER CONTROLS
THE 2001 CBC REQUIRES THAT THE FORCE TO OPERATE A WATER CONTROL (VALVE) FOR AN ACCESSIBLE SHOWER SHALL NOT EXCEED 5LBS. MAXIMUM FORCE (PULL).
Section 1117B.5 Signs and Identification (also refer to Sections 1003.2.8.1, 1003.2.8.2, 1003.2.8.4, 1003.2.8.5, 1003.8.6, 1003.2.8.6.1, 1003.3.3.13.1, 1003.3.1.10.)
The 2001 CBC makes several general design changes and clarifications to signage,
*All ground floor exit door shall have tactile exit signage.
*At stairs, each floor shall receive tactile "stair level" signage in addition to special tactile at the exit discharge level.
*Each exit door that leads to a grade level exit by means of a stairway shall have tactile exit signage.
*Each exit access door to a corridor or hallway that is required to have a visual exit sign shall be identified by tactile exit signage.
Section 1129B.4 (1), (2), (3) Accessible Parking Required.
The 2001 CBC requires the words "NO PARKING", in 12" height white letters, to be painted on the pavement within all parking space access aisles. Van parking access aisles shall be placed on the passenger side of the vehicle. Ramps may not encroach into any required access aisle. Parking space access aisles shall not exceed 2% slope in any direction.*
*Existing Sites:
At existing sites, any ramp which exceeds a 2 access aisles for accessible parking spaces per CBCS Section 1129B. may required removal and redesign per the path of travel (POT) provisions of CBCS Section 1134B, in order to approve the building placement.
Section 1133B.2.5 Closer Effort to Operate Doors.
The 2001 CBC requires that the effort to open an exterior + INTERIOR door shall not exceed 5 pounds (pull).
The 2001 CBC requires that the sweep period of accessible doors shall be 3 seconds maximum, based on an open door position of 70 degrees (from closed), to a door position of 3" from the latch.
Sections 1133B.2.4.5 & 1133B.2.5.3 Recessed Doors.
The 2001 CBC requires that doors recessed 8" or more shall have strike edge clearances in accordance with Figure 11B-33 (a).
Section 1133B.4.2.6.2 Handrail Orientation.
The 2001 CBC specifies that at least one handrail shall be parallel to the direction of the stair run, and perpendicular to the edge of the stair nosing.
Section 1133B.2.4.5 Ramp Width.
The 2001 CBC requires that sign edges less than 80" above the finished floor must contain rounded or eased radius minimum of 0.125"
California Building Standards Administrative Code (Part 1, Title 24, CCR)
Chapter 5, Articles 2, 3, & 4; California Building Code (Part 2, Title 24, CCR) Sections 1102A.3-C, 117A.4.7, 1102B, 1127B.5 (8), 1131B.4, 113B.8.3, 1133B.8.4, 1133B.8.5).
Detectable Warnings.
The 2001 CBCSAC requires that detectable warnings shall be evaluated and approved by DSA, and that only DSA-approved products shall be installed. Refer to the DSA Bulletin: Independent Entity Evaluation and Approval of Detectable Warnings and Directional Surfaces dated October 31, 2002.
The project plans or specifications shall indicate the requirement that the manufacturer shall provide a written five-year product warranty, in accordance with the Bulletin.

SECTION 8B — HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
2. MATERIALS
A. DOORS – INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1 3/4" THICK PER CS242 MIN. REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
B. FRAMES – 16 GA COLD ROLLED, 2" FACES, CS242 MIN.3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
3. WORKMANSHIP
ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING. WITH ARISES AND EDGES STRAIGHT, SHARDP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION, DOORS AND FRAMES CLEANED THOUROUGHLY, ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

FINISH HARDWARE

SEE SHEET 1

SECTION 9E — PAINTING

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
2. MATERIALS
A. FOR EXTERIOR WOOD:

REF.BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	42-9M	1240	Y24W20	289-N
FINISH	QD-60-XX	1240-XXX	B54WZ102	GE2-NXX

B. FOR INTERIOR TRIM

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
FINISH	W450-XX	1650-XXX	A26W11	40XX

C. FOR METAL

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	43-4	1710	B50NZ6	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX

3. WORKMANSHIP
ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
A. EXTERIOR – WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX – APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
B. INTERIOR TRIM – TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
C. INTERIOR HARDWOOD CABINETS – TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
D. METAL – ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
E. RAMP – ONE COAT OF FERROX NON-SLIP (0.7 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A DATED JULY 1989. OR EQIAL.
F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F — SITE ASSEMBLY

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.
THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT . UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ASSEMBLY OF ELEMENTS
A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT,(APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

WALL FINISH MATERIAL
FLAME SPREAD MAX = 200
SMOKE DENSITY MAX = 450
BUILDING INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

SECTION 15A — AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES)
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
2. EQUIPMENT
SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
3. WORKMANSHIP
UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A — ELECTRICAL

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
2. MATERIALS
ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
A. ELECTRIC METALLIC TUBING – COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX- GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
B. PANELBOARDS – FLUSH MOUNTED.
C. CONDUCTORS – COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE- #14.
D. RECEPTACLES – AS NOTED. +18" A.F.F. MIN.
E. CLOCK RECEPTACLE – AS NOTED.
F. SWITCHES – AS NOTED. +48" A.F.F. MAX.
G. LIGHTING FIXTURES – AS NOTED ON THE DRAWINGS.
3. WORKMANSHIP
MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.
BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR(N.I.C.).(FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

1. IN-PLANT INSPECTION.
2. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT, IF NECESSARY.
THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF AY MODULE.
ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED . PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

FOUR (4) APPROXIMATELY 12' X 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"X1 -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

1. MANUFACTURER'S BUILDING NUMBER.
2. DESIGN WIND LOAD / EXPOSURE
3. DESIGN ROOF LIVE LOAD
4. DESIGN FLOOR LIVE LOAD
5. D.S.A. APPLICATION NUMBER.

2-TAGS PER MODULE ONE ON EXTERIOR AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH 12' X 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

DIMENSIONS

THE BUILDINGS SHALL OCCUPY AN AREA OF 1920 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. THE BUILDINGS SHALL BE 48' X 40'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINER DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.

FASCIA AND REQUIRED OVERHANGS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 5' MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2' OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE SIDES OF EACH OVERHANG AND EACH ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT, FLOOR TO CEILING SHALL BE 8'-6" U.O.N. THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.

ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DEPENDING ON THE AGREEMENT WITH DISTRICT.

IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT SPECIFICATIONS SHALL PREVAIL.

REGISTERED PROFESSIONAL ENGINEER H. LAWDEN No 2310 Exp. 3-31-05 STRUCTURAL STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 10 0184
AC FLS SS
DATE 4/20/04

FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-104917
AC. FLS. SS.
DATE OCT 30 2003

48 X 40 PC
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AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

LICENSED ARCHITECT No. C 12631 STATE OF CALIFORNIA

CUSTOMER:

GENERAL NOTES AND SPECIFICATIONS

DATE: 04-28-03
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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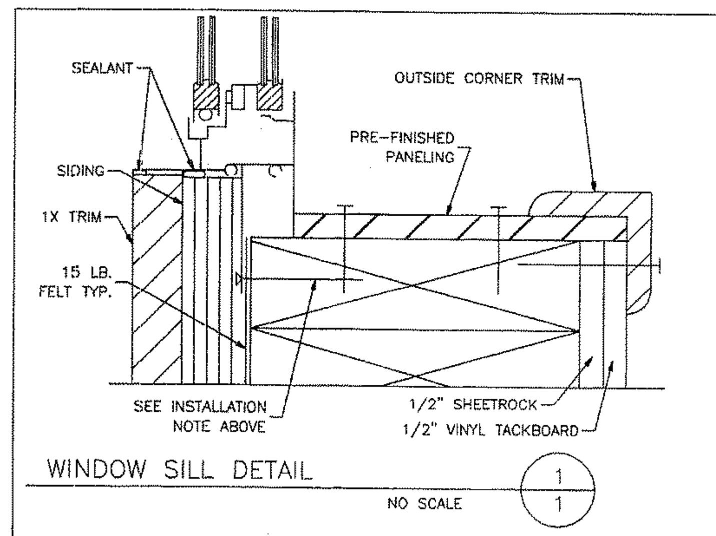
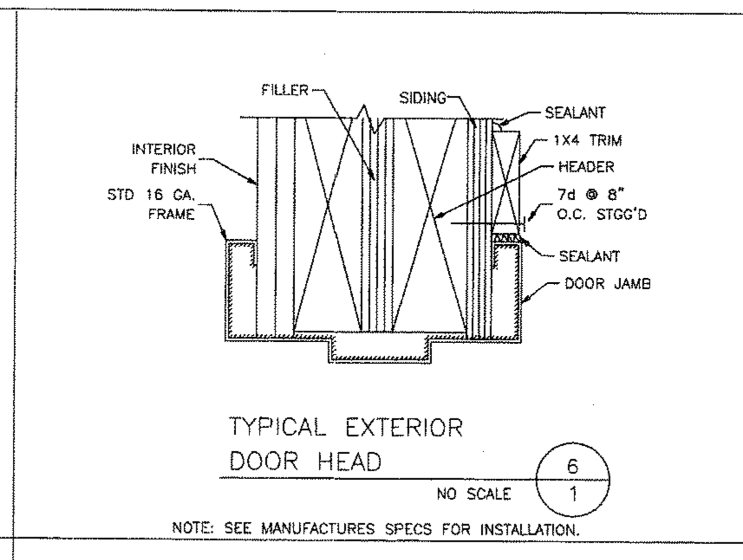
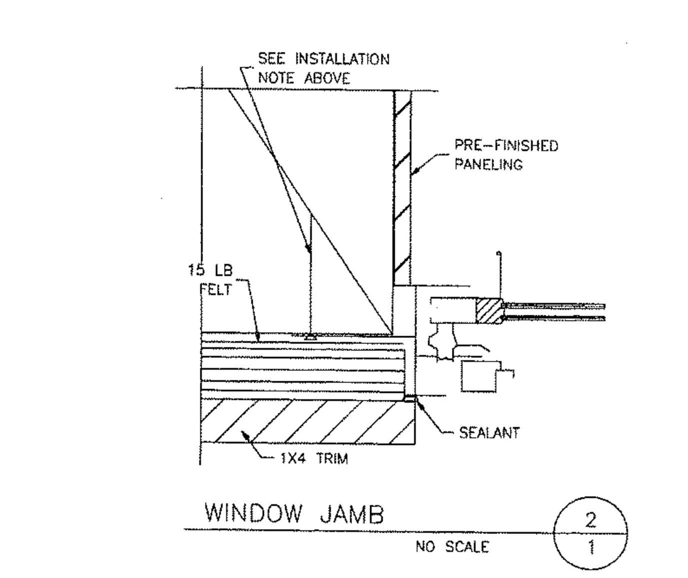
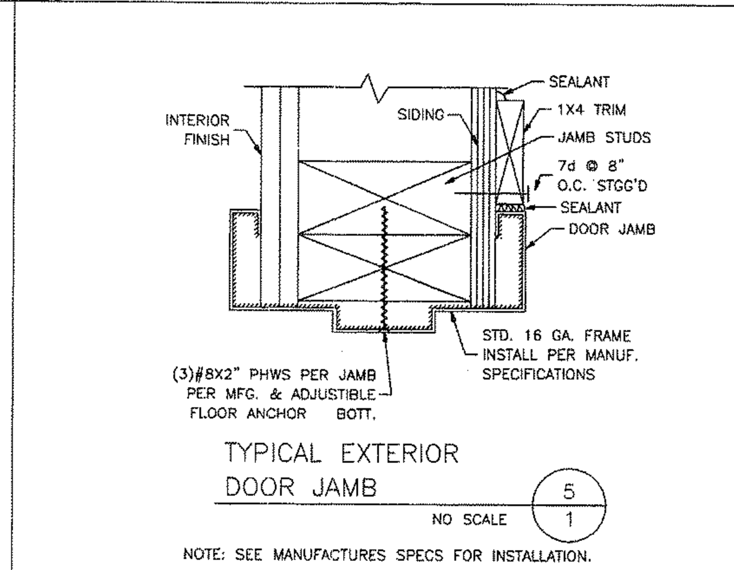
PROJECT No.

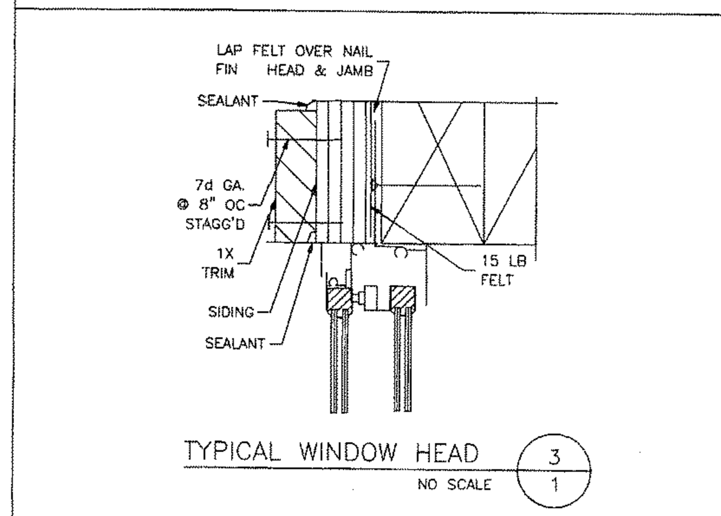
SHEET No.
N-1

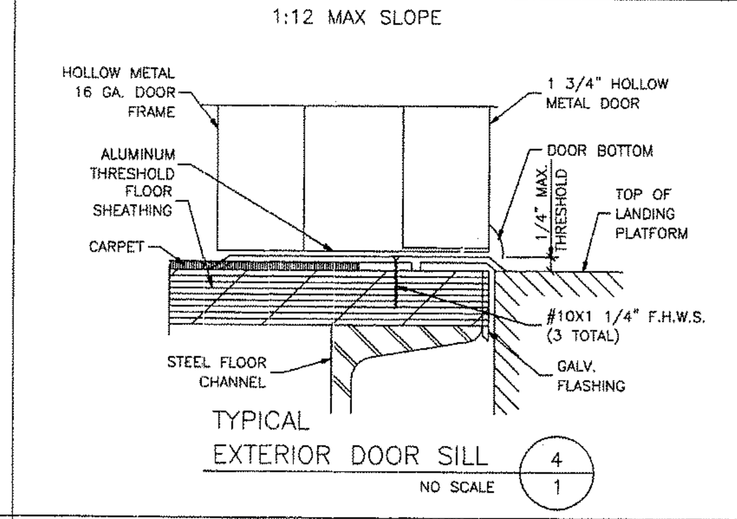


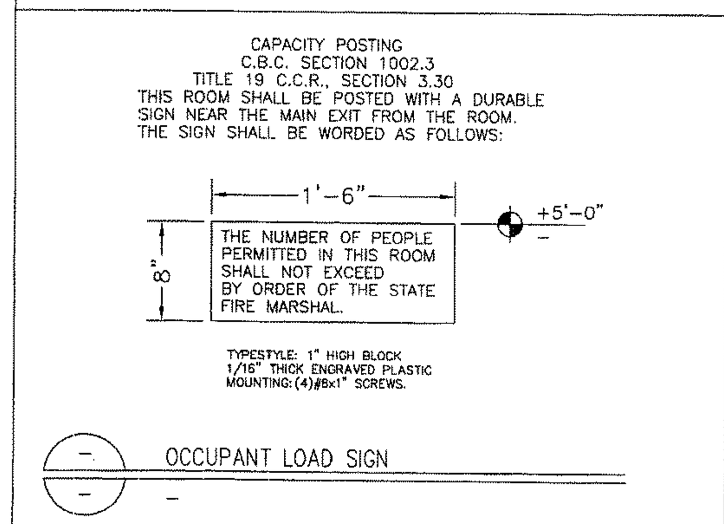


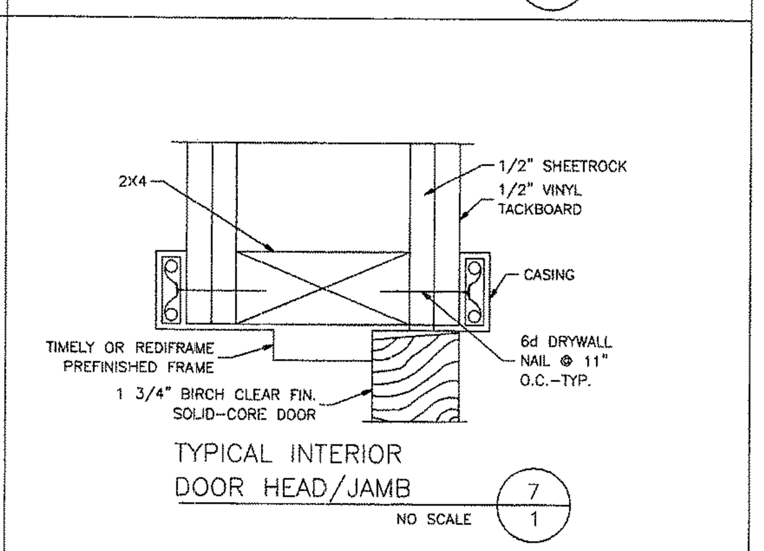


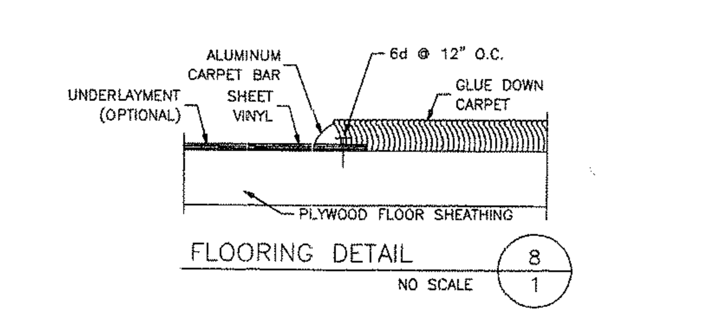




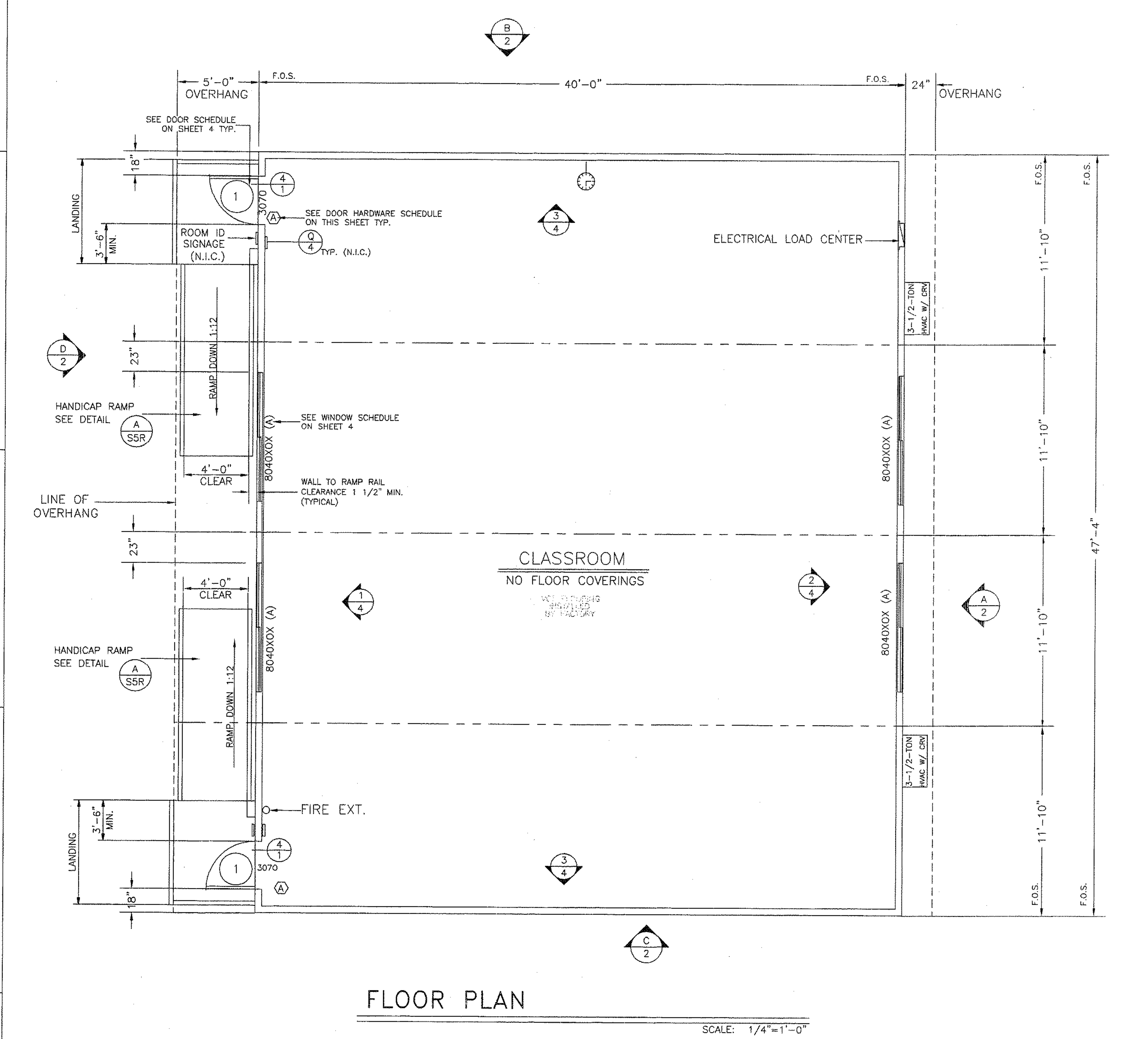








TYPICAL EXTERIOR WINDOW INSTALLATION NOTE:
SEE MANUF. SPECS FOR INSTALLATION
USE .131" X 2 1/2" @ 16" O.C. VERTICALS
USE .131" X 2 1/2" @ 24" O.C. HORIZONTALS



NOTES
INTERIOR

1. Floor: NO FLOOR COVERINGS

2. Base: Resilient Cove Base – Best quality, moulded rubber, 1/8" thick, 4" high, moulded top set
Cove: Provide preformed base for square external corners and preformed end stops where base does not abut. Solid color as manufactured by "Johnsonite Co." , Flexco, or equal. Apply cove to complete perimeter of classroom.

3. Interior walls shall be vinyl covered tackboard(u.o.n.) applied in one continuous length from floor to ceiling. The tackboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The board shall be asphalt free, shall have an ironed-on coating and shall have a minimum density of 18 lbs. per ft. The vinyl coating shall be made of virgin vinyl calendered base color, weighing a minimum of 8 oz. per square yard. The coating backing shall be sheeting or non-woven fabric. The vinyl coating shall be mechanically laminated, with the long edges wrapped, to the tackboard. Tackboard shall be applied over 1/2" sheetrock or plywood sheathing. The vinyl wall covered panel shall have a Class III flame spread rating. The panel shall be approved for classroom use by The California State Fire Marshal. Reference brand: Vinyl covered tackboard as manufactured by
Chatfield-Clarke or comparable. Care shall be taken in mounting the tackboard so that the texture of all panels will have the same orientation and color match.

4. Ceiling: Suspend T-Bar System, see sheet 3 for details etc. Materials and installation per CBC 2501.A.5 and IR #M-3 inclusive as applicable to classrooms.

DOORS & WINDOWS

Exterior Doors: Metal Doors – 3'-0"x7'-0" hollow metal door construction of 1 sheet of 18 ga. steel assembled per CS242 min and reinforced.
(Reinforce both faces for closure)
provide flush top on doors. Hardware reinforcement shall be 10 ga. min for hinges, door frame shall be 16 ga. pressed steel frame ASTM A366 & C5242. Hardware reinforcement shall be 10 ga. plate. Frames shall be designed with integral stop and trim. Provide (3) anchors per jamb plus adjustable floor anchor.

Interior Doors: 3'-0"x7'-0" Birch clear finish solid core doors.

Exterior Windows: Provide anodized aluminum frame 5/8" minimum dual pane window units, as shown on floor plans. The 5/8" dimension is the minimum thickness for the dual glazed window panel consisting of two lights of glass and the air space. Glazing material shall be:

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 45% maximum.

Interior Lite – 1/8" minimum clear tempered.

Minimum air space shalle be 1/4".

Space – Bent or sealed corner aluminum with desiccant fill

Sealer – Butyl primary seal and polysulfide of silicone secondary seal.

Certification – All glazing to be certified in accordance with ASTM E-773, E-774.

Header height shall be the same as the door. All operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the AAMA GS101-88 voluntary spec. For aluminum prime windows and sliding glass (ANS1), commercial grade.

DOOR HARDWARE	
A	EXTERIOR DOOR PANIC BAR W/ PULL ON EXTERIOR VON DUPRIN 22Lx230NL
B	INTERIOR PASSAGE LOCK SCHLAGE AL10 W/ SATURN LEVER
C	INTERIOR LOCKSET SCHLAGE A40S W/ SATURN LEVER

Exterior Door
A) Hinges: Hager 4-1/2X4-1/2 butts, BB1279 US26D,1-1/2 pair each door with set screw in barrel and ball bearing design
C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal.
D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra WS007, at door jambs and head or equal.
E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.

FIRE EXTINGUISHER

1. Each portable classroom shall be equipped with pressure type fire extinguishers with 2AIOBC UL rating. To be mounted on the interior wall of the building near the doorway(s) at a height of 4 feet to mounting bracket. Fire extinguishers shall be totally charged and have a dial indicating the state of charge.

CHALKBOARD SPECIFICATIONS

Chalkboards shall have green facing sheet suitable to accept white or yellow chalk and felt erasers.

Markerboards shall be 5 mil thick melamine facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated, using hot melt adhesive, to a medium density particleboard substrate with a minimum density of 45#/c. ft. The panel shall have a foil backing. The panels shall have extruded aluminum molding and chalkrail with a minimum of 2-15/16" projection from the face of the panel. A full length map rail shall be provided with cork insert and end stops. The map rail and chalkrail are to incorporate a channel to wrap around the panel. Three (3) map hooks, with clips, perpanel shall be provided. One flag holder, 1/2" size, shall be provided for each classroom. Each classroom shall be 2 ea. 4x8 panels installed side by side to make a 4x16 panel, centered on one of the long walls. Referenced brand: Chatfield-Clarke Co. series 500. Attach directly to studs and blocking W/#8x3" oval head wood screw @ 32" o.c. horizontally and @ 24" o.c. vertically.

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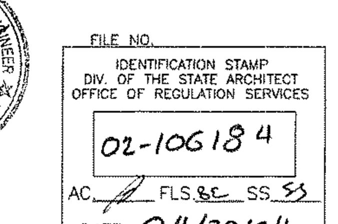

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CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-511

FLOOR PLAN & NOTES

DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

SHEET No.
1

IDENTIFICATION STAMP
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APP: 01-119005 INC:
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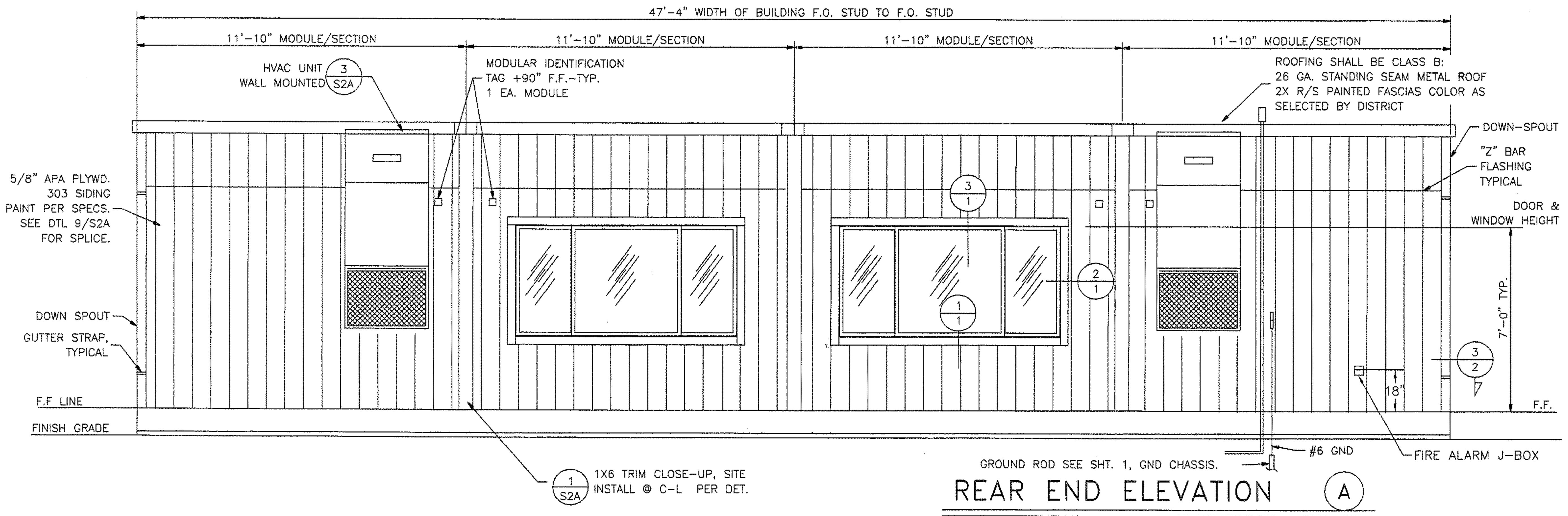
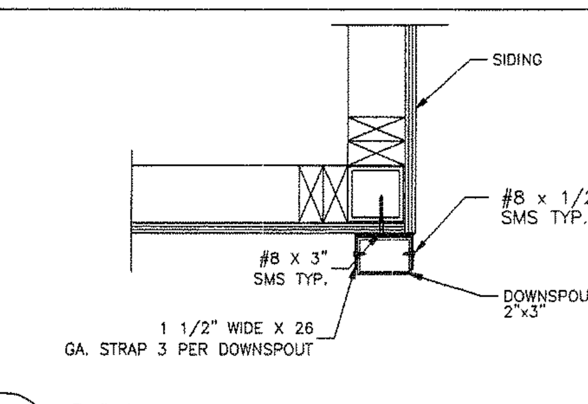
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



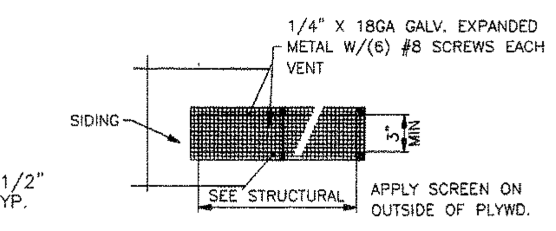
REAR END ELEVATION (A)

SCALE: 3/8"=1'-0"



3/2 DOWNSPOUT DETAIL

1 1/2"=1'-0"



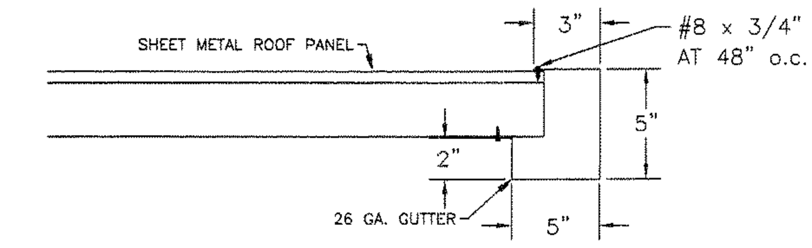
VENT DETAIL

NO SCALE

SEE SHT. S1A, S1B OR S1C FOR NUMBER OF VENTS AND LOCATIONS. THIS DETAIL IS FOR WOOD FOUNDATIONS ONLY.

1/4" X 18GA GALV. EXPANDED METAL W/(6) #8 SCREWS EACH VENT. ALSO SEE SHT. S1
APPLY SCREEN ON OUTSIDE OF PLYWD.
REQUIRED VENT AREA = 12.8 SQ. FTG.

UNDER FLOOR VENTING



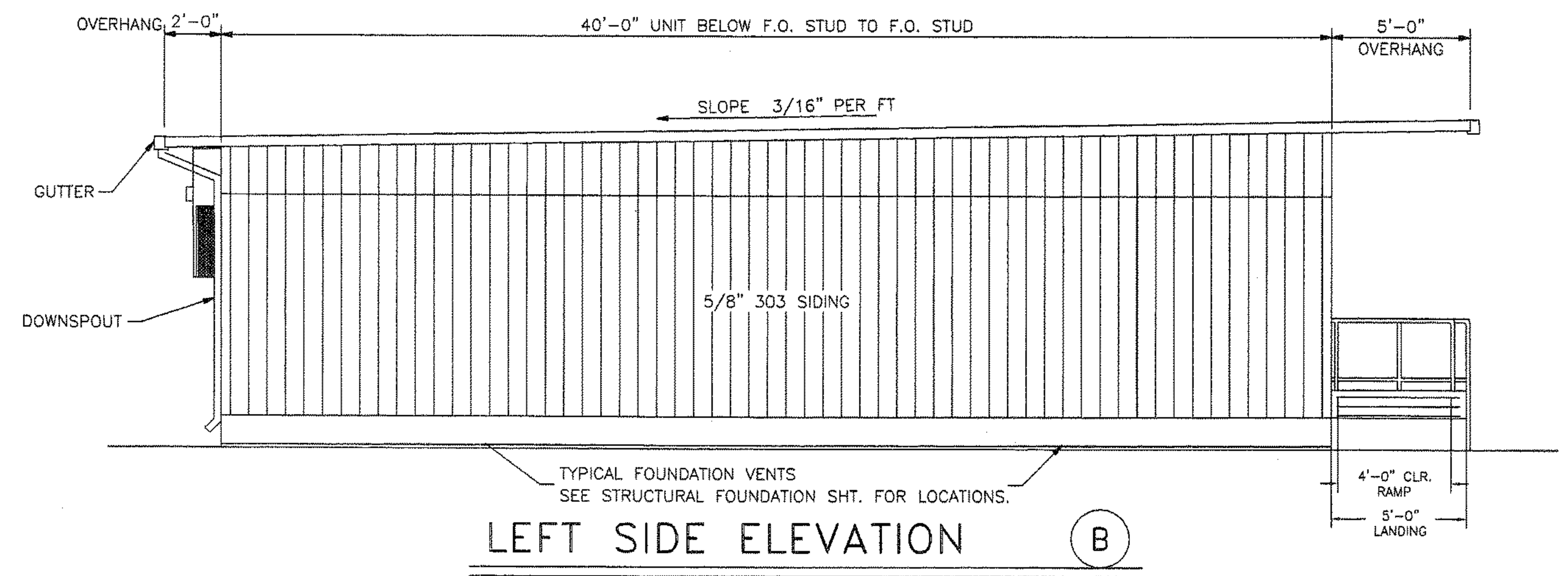
GUTTER: 26 GA., G-90 GALV. STEEL, FASTENED W/ #8 x 3/4" S.M.S. @ 48" O.C. MAX.
DOWNSPOUT: 2"X3" G-90 30 GA. CONVOLUTED GALV. STEEL.
DOWNSPOUT STRAPS: 26 GA. STEEL X 1 1/2" WIDE ATTACHED TO BLDG. MAX. 6'-0" O.C.

2/2 GUTTER AT OVERHANG DETAIL

DOOR ID SIGNAGE — SEE SHEET 4 DETAILS E/4 & 1/4

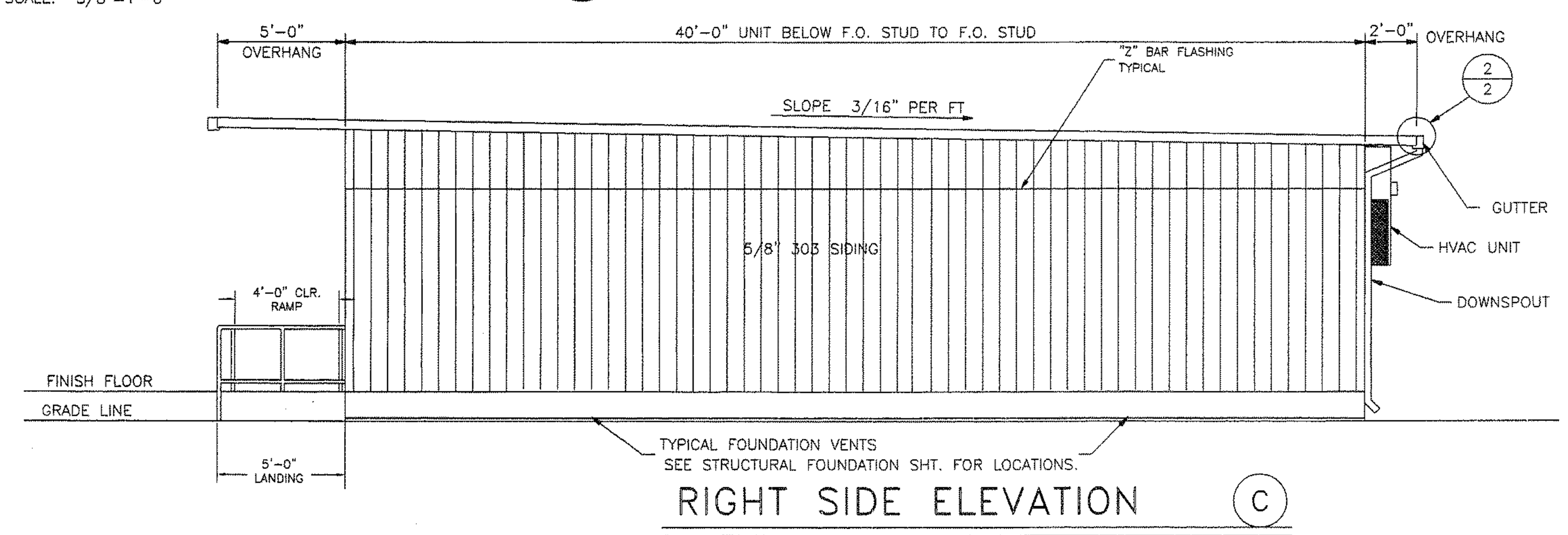
NOT A PART OF THIS CONTRACT (NOT PROVIDED BY A.M.S.)

NOTE:
ROOM IDENTIFICATION SHALL BE PROVIDED FOR ROOMS OR SPACES, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH THE FOLLOWING: CONTRACTED GRADE 2 BRAILLE SHALL BE USED. DOTS SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM 1/40 INCH ABOVE BACKGROUND. SIGNS SHALL BE INSTALLED ON WALL ADJACENT TO LATCH OUTSIDE OF DOOR. WHERE THERE IS NO SPACE ON THE LATCH SIDE, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PERFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTER OF THE SIGN.



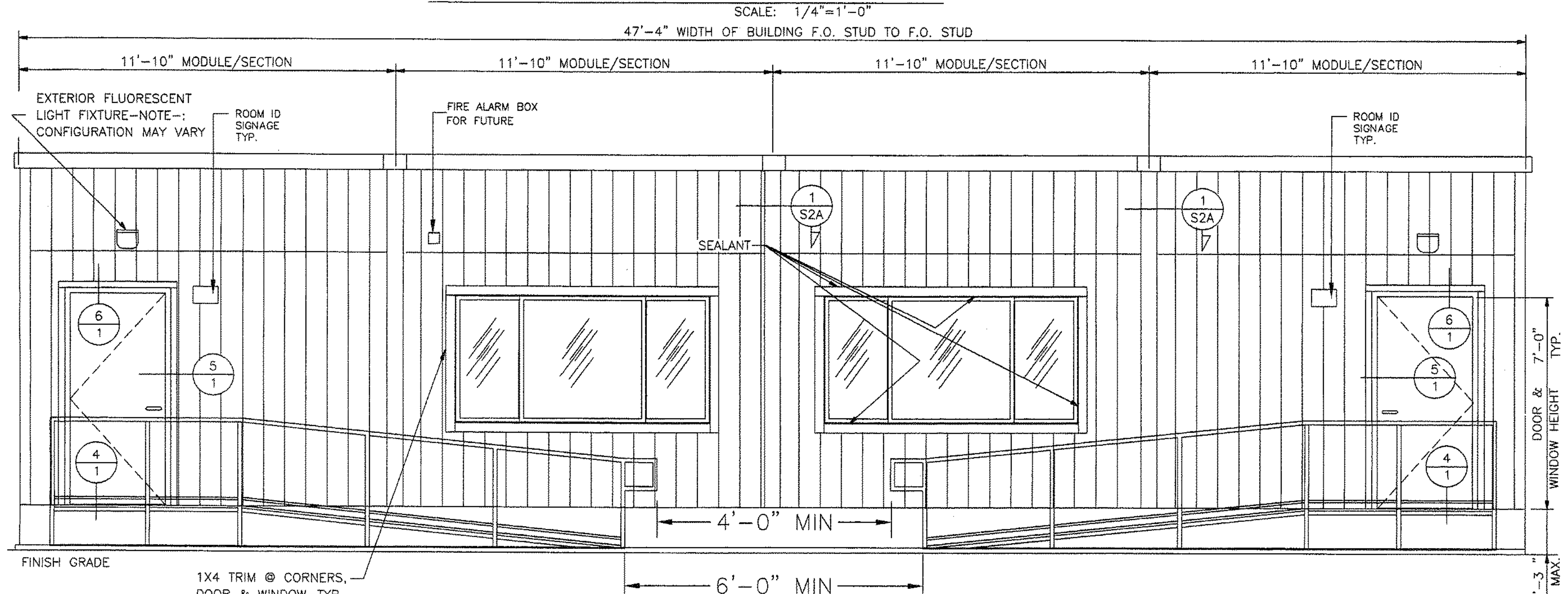
LEFT SIDE ELEVATION (B)

SCALE: 1/4"=1'-0"



RIGHT SIDE ELEVATION (C)

SCALE: 1/4"=1'-0"



FRONT END/ENTRY ELEVATION (D)

SCALE: 3/8"=1'-0"

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#04-906-511

EXTERIOR ELEVATIONS

DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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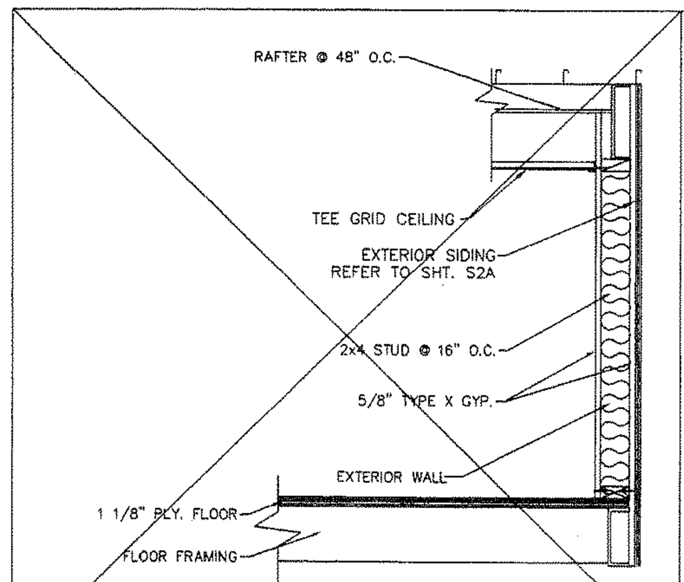
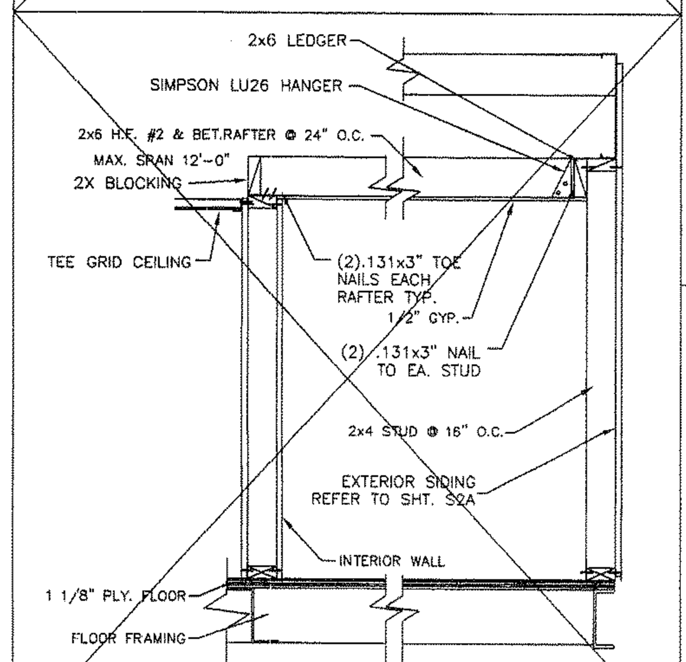
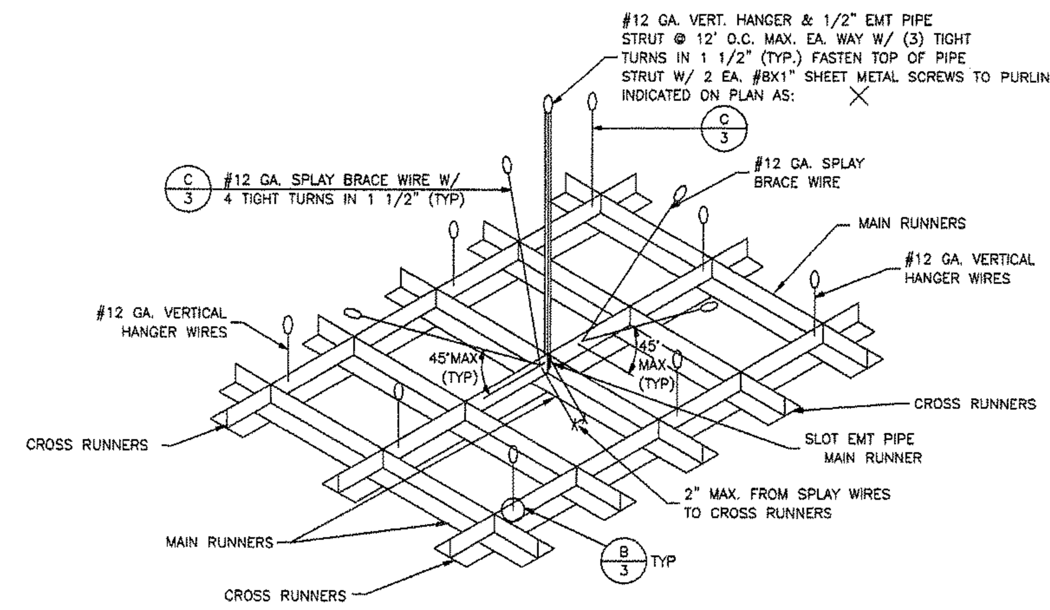
2



1/3 ONE HOUR EXTERIOR FIRE WALL ALTERNATE
N.T.S.

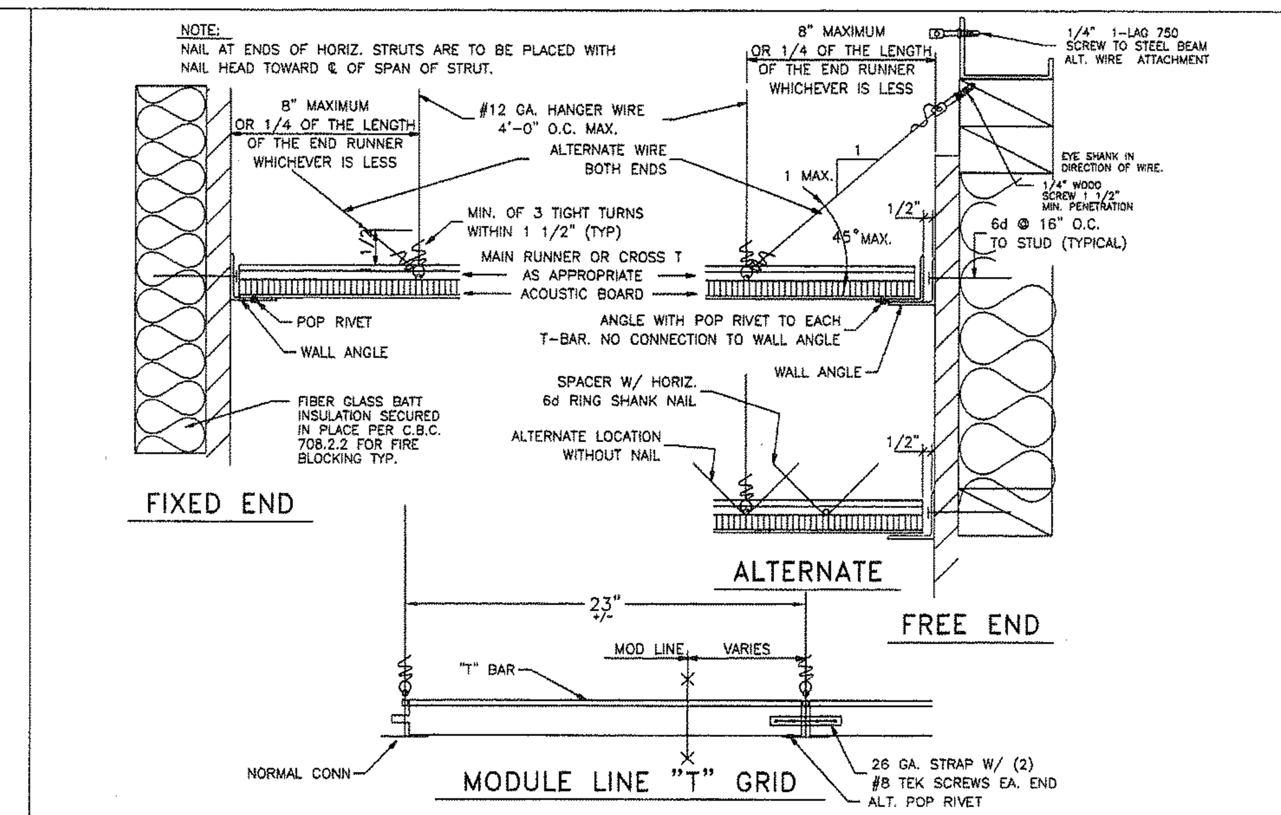


2/3 RESTROOM SHEET ROCK CEILING – ALTERNATE
N.T.S.

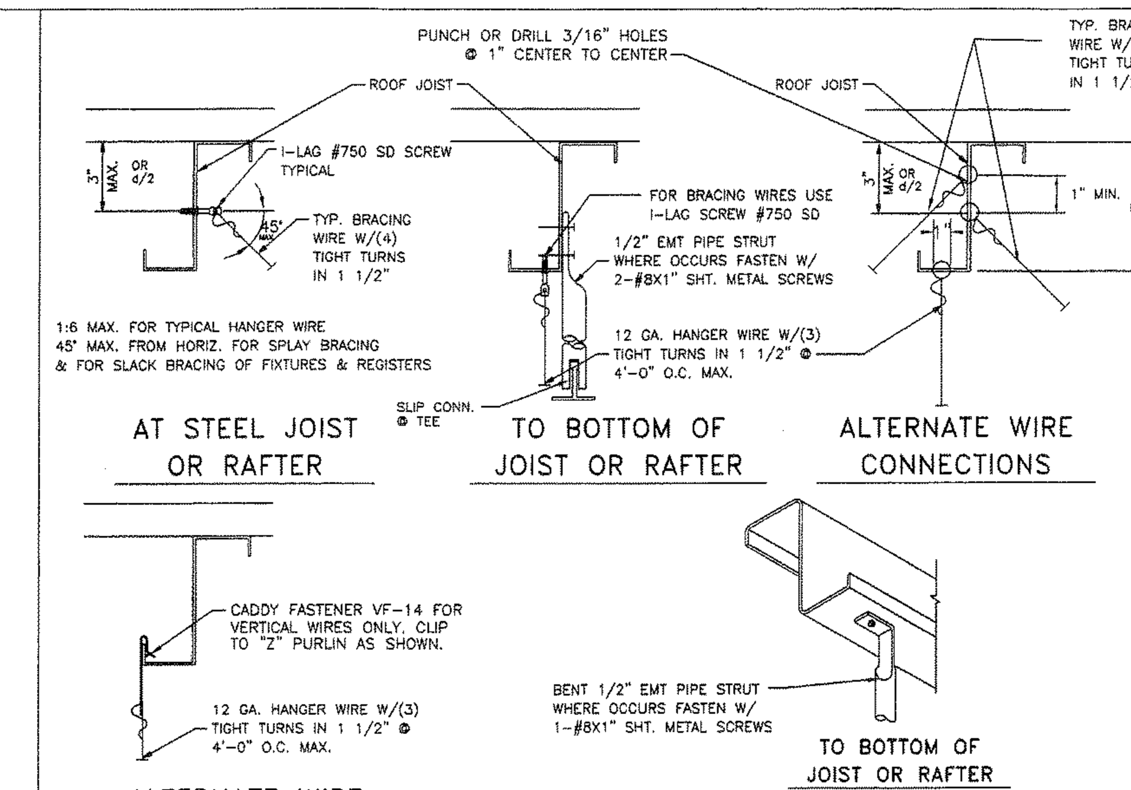


NOTE: SPLAYED BRACING WIRES SHALL BE SPACED NOT MORE THAN 12 FT. ON CENTER. OR MORE THAN 6 FT. FROM WALLS.

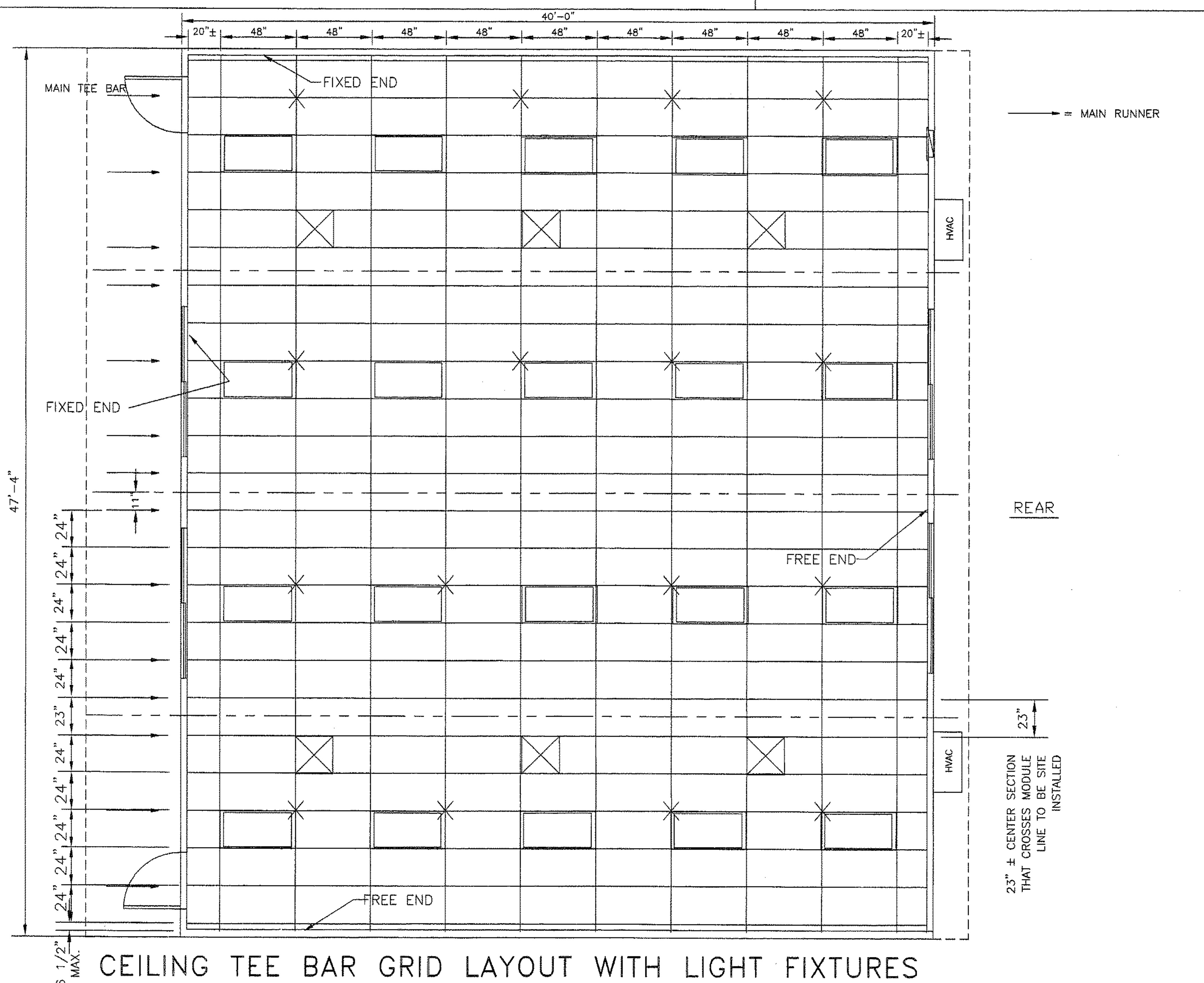
ATTACHMENT FOR CEILING GRID
DETAIL A/3
NO SCALE



WIRE CONNECTIONS TO GRID
DETAILS B/3
NO SCALE



CONNECTIONS TO STEEL JOISTS OR PURLINS
DETAIL C/3
NO SCALE



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES
SCALE:1/4"=1'-0"

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA/ORS.
2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
   (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
   (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS.

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA.

7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC., IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA.
9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
    CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, PER ASTM C635
    MANUFACTURER'S CATALOG NUMBER – MAIN RUNNER HEAVY DUTY MAIN TEE #270-01.
    MANUFACTURER'S CATALOG NUMBER – CROSS RUNNER CHICAGO METALLIC 1254-01 CROSS TEES.
    MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
    ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS 1, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

TABLE A HEAVY DUTY GRID COMPONENTS

MANUFACTURER	MAIN TEE	H.D. 4' CROSS TEE	H.D. 2' CROSS TEE
DONN/USG	DX-26	DX-424	DX-216
ARMSTRONG	7301	7341	7323
CHICAGO MET.	200-01	1204-01	1226-01

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

REGISTERED PROFESSIONAL ENGINEER No. 2310 STATE OF CALIFORNIA

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CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-511

CEILING GRID, DETAILS AND NOTES

DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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PROJECT No.

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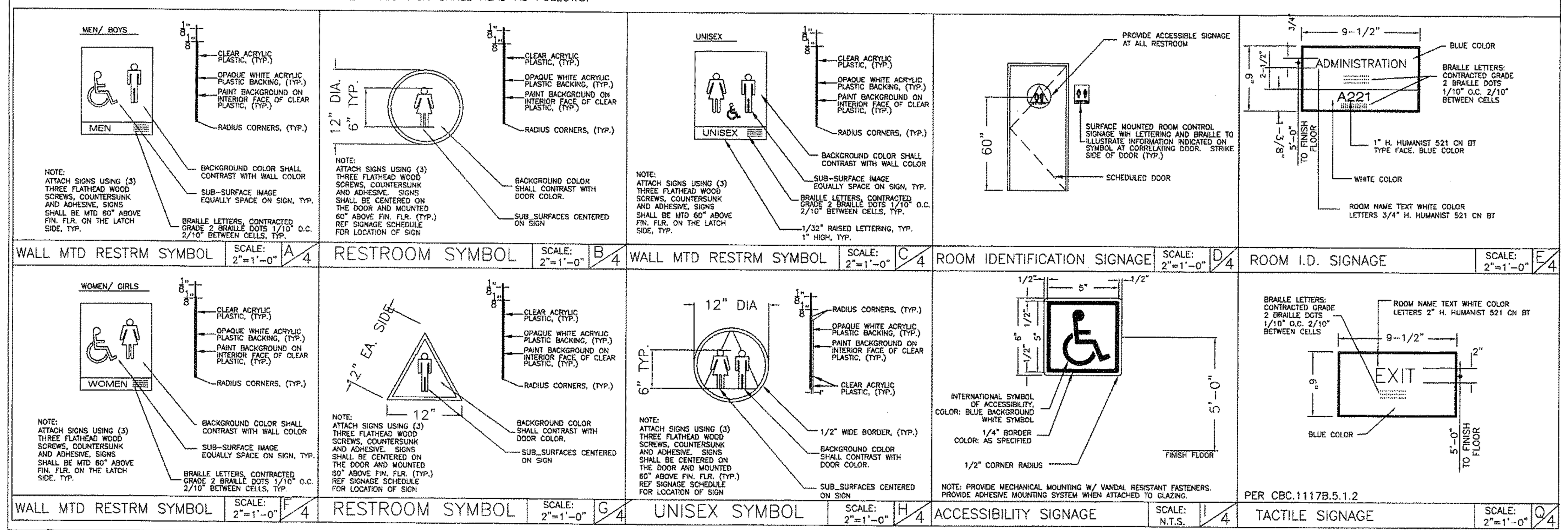
3

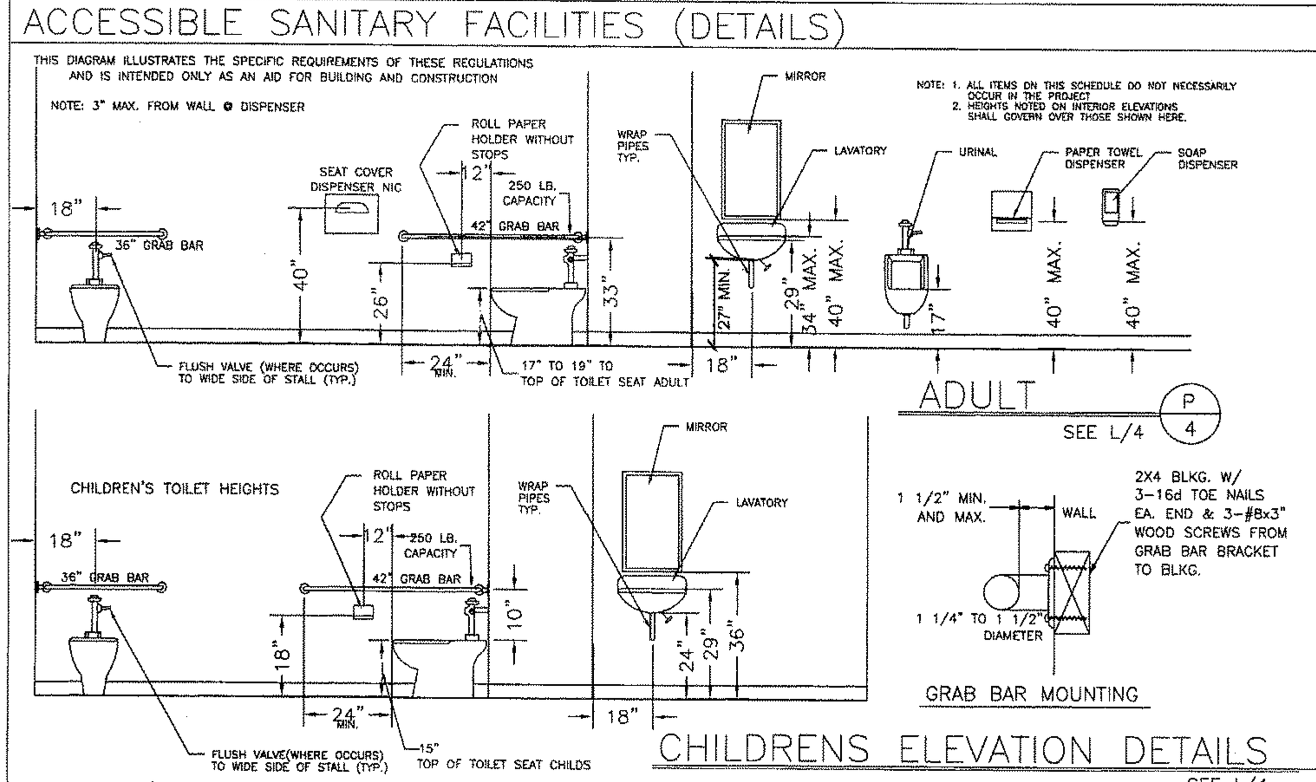
ACCESSIBILITY SIGNAGE (AS REQUIRED-BY DISTRICT)

NOTE:
PER CBC 1115.B.5 1-10 PLACE 12" ROUND OR TRIANGULAR SIGNS ON EACH TOILET ROOM DOOR @ +60" ON THE WALL ON THE LATCH SIDE OF DOOR FRAME. THIS SIGN SHALL READ AS FOLLOWS.



WALL MTD RESTRM SYMBOL — SCALE: 2"=1'-0" — A/4
RESTROOM SYMBOL — SCALE: 2"=1'-0" — B/4
WALL MTD RESTRM SYMBOL — SCALE: 2"=1'-0" — C/4
ROOM IDENTIFICATION SIGNAGE — SCALE: 2"=1'-0" — D/4
ROOM I.D. SIGNAGE — SCALE: 2"=1'-0" — E/4
WALL MTD RESTRM SYMBOL — SCALE: 2"=1'-0" — F/4
RESTROOM SYMBOL — SCALE: 2"=1'-0" — G/4
UNISEX SYMBOL — SCALE: 2"=1'-0" — H/4
ACCESSIBILITY SIGNAGE — SCALE: N.T.S. — I/4
TACTILE SIGNAGE — SCALE: 2"=1'-0" — J/4

ACCESSIBLE SANITARY FACILITIES (DETAILS)



ADULT — SEE L/4 — P/4

GRAB BAR MOUNTING

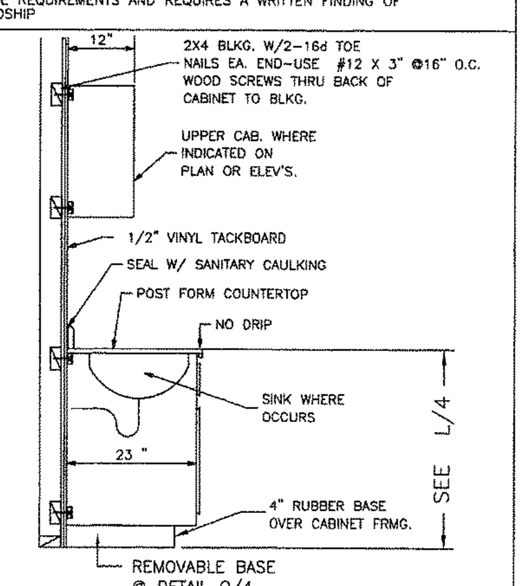
CHILDRENS ELEVATION DETAILS — SEE L/4 — M/4

DIMENSION FOR ACCESSIBILITY IN TOILET FACILITIES FOR CHILDREN (L/4)

FIXTURE TYPE	ADULT (AGE 12 AND OVER) DIMENSION	ELEMENTARY DIMENSION	KINDERGARTEN & PRE-SCHOOL DIMENSION
TOILET CENTERLINE FROM WALL	18"	15"	12"
TOILET SEAT HEIGHT (TO TOP OF SEAT)	17"-19"	15"	10"-12"
GRAB BAR HEIGHT	33"	33"	10" ABOVE SEAT *
TOILET PAPER IN FRONT OF TOILET	12" MAX.	12" MAX.	6" MAX. **
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	N/A	N/A
DISPENSER OR MIRROR HEIGHT	40" MAX.	36" MAX.	32" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.	29" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.
URINAL LIP HEIGHT	17" MAX.	15" MAX.	10" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	36" MAX.	28" MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	31" MAX.	24" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.
RAMP/STAIR HANDRAIL HEIGHT	34"-38"	27"	22"

*= ABOVE SEAT

** = DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP



CROSS SECTION — TYPICAL CABINET — N/4

ROOM FINISHES SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	WALLS FRONT	WALLS REAR	WALLS RIGHT	WALLS LEFT	CEILING	CEILING HEIGHT	REMARKS
1	CLASSROOM		D	F	F	F	F	J	8'-6"	
2	TOILET RM. (OPTIONAL)	B	E	I	I	I	I	J	8'-6"	

- A – CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN.
- B – VINYL SHEET FLOORING
- C – VCT. ARMSTRONG STANDARD OR EXCELON
- D – TOP SET BASE. 4" BURKE
- E – TOP SET BASE. 6" BRINGANTINE OR SANDOVAL
- F – WALL FINISH. 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
- G – 1/2" W.R. GYP BOARD. TAPE, TEXTURE, PAINTED FINSIH
- H – 1/2" GYP BOARD. TAPE, TEXTURE, PAINTED FINISH
- I – 3/32" F.R.P. OVER 1/2" W.R. GYP BOARD
- J – ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)
- K – 1/2" VINYL TACKBOARD CLASS 1 OVER 5/8" TYPE "X" GYP BOARD BACKING

DOOR SCHEDULE SEE SHT. 1 FOR LOCATION

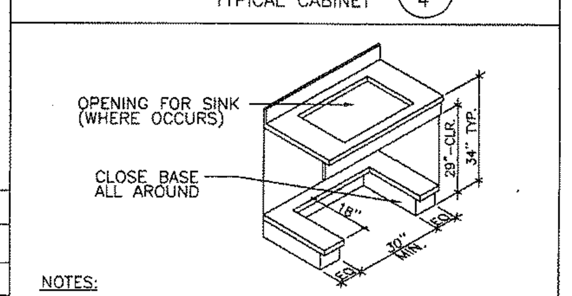
DOOR NO.	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET NO.	QUANTITY	FRAMES MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	JAMB THROAT	NOTE NO.
1	3'-0" x 7'-0"	H.M.		N/A	A	1	H.M.	6/1	6/1	4/1	5/1	
2	3'-0" x 7'-0"	S.C.			C		H.M.	7/1	7/1			

- HM – HOLLOW METAL
- AL – ALUMINUM
- SST – STAINLESS STEEL
- STL – STEEL FRAME. 16 ga. FULLY WELDED
- WWF – WINDOW WALL FRAME
- SC – SOLID CORE WOOD
- HC – HOLLOW CORE WOOD

WINDOW SCHEDULE SEE SHT. 1 FOR LOCATION

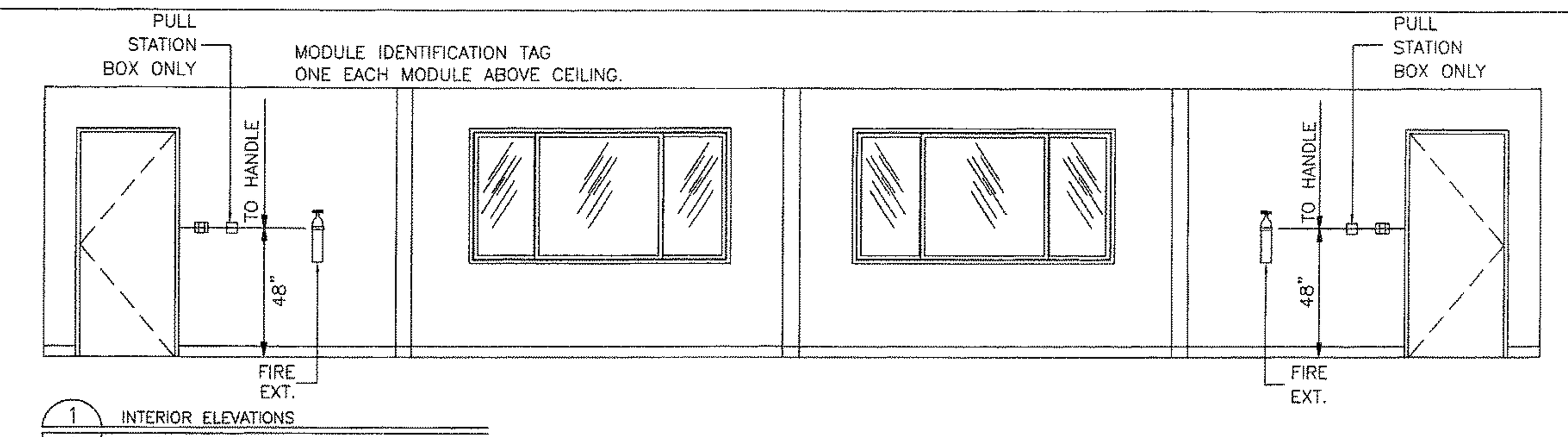
WINDOW NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	GLASS TYPE
(A)	4	SLD.	8'-0"	4'-0"	BRONZE	SOLAR GREY

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 45% maximum.

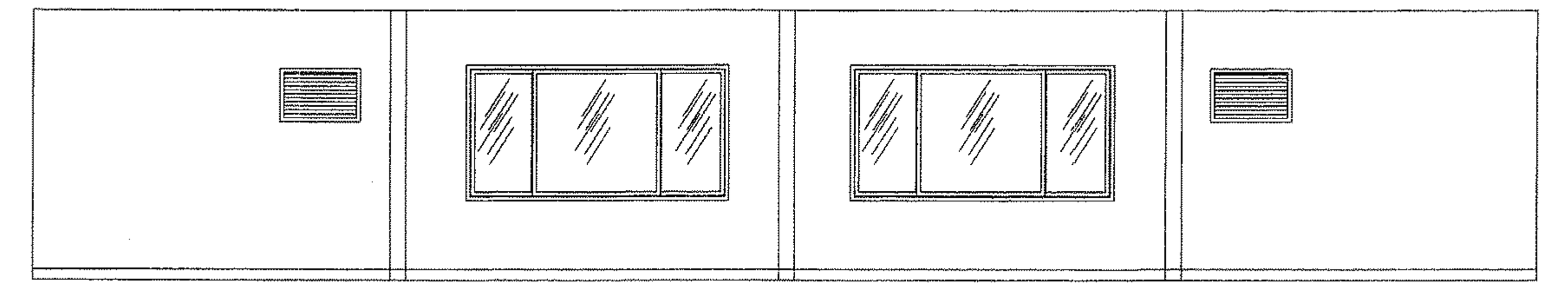


NOTES:
- DOORS NOT SHOWN FOR CLARITY. DOORS ARE TO BE PROVIDED.
- MODIFY BASE AS SHOWN FOR WHEELCHAIR ACCESS.
- ALL EXTERIOR SURFACES TO BE PLASTIC LAMINATE.

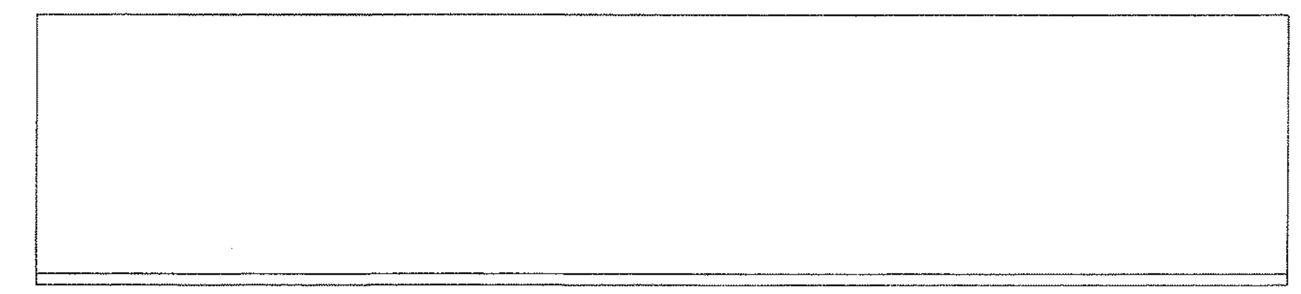
CROSS SECTION ACCESSIBLE CABINET — N.T.S. — O/4



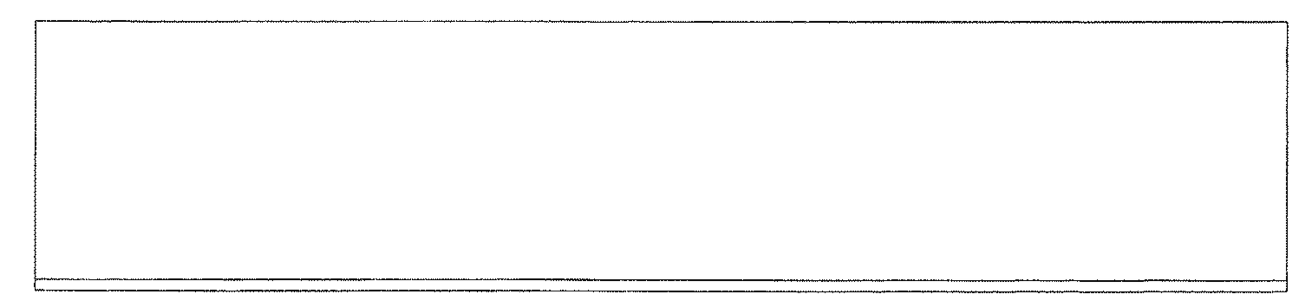
1/4 INTERIOR ELEVATIONS 1/4" = 1'-0"



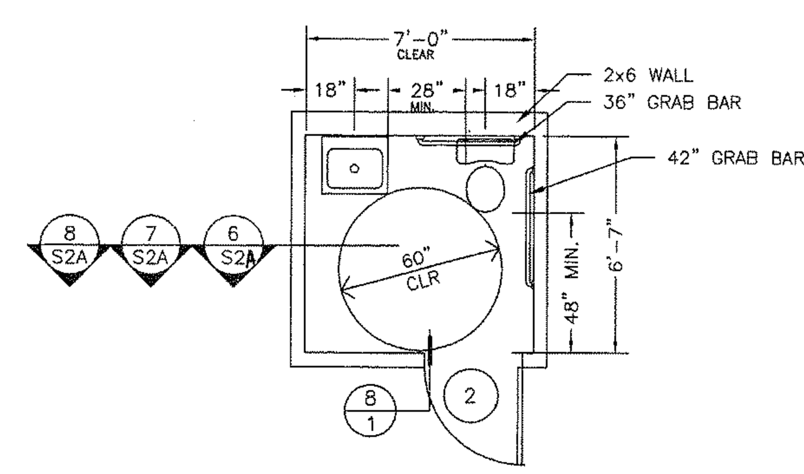
2/4 INTERIOR ELEVATIONS 1/4" = 1'-0"



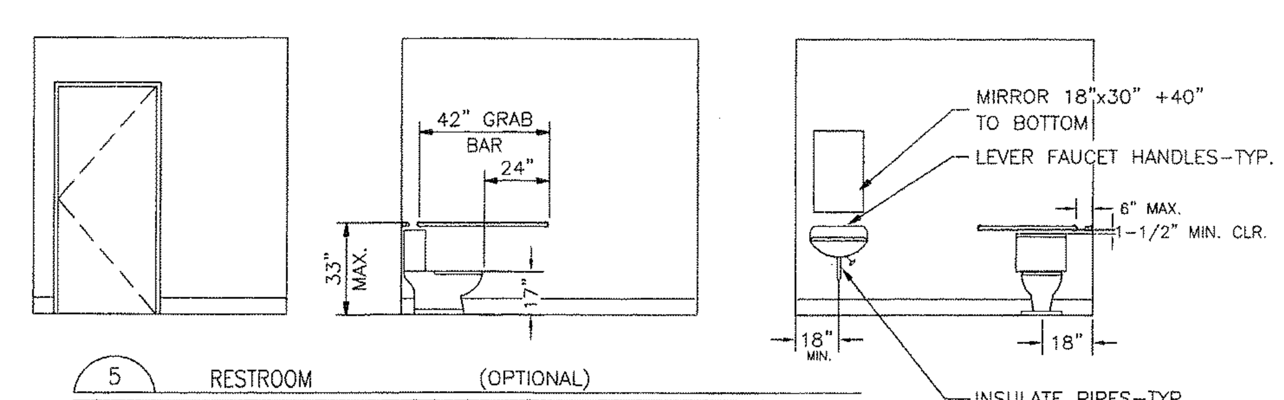
3/4 INTERIOR ELEVATIONS 1/4" = 1'-0"



4/4 INTERIOR ELEVATIONS 1/4" = 1'-0"



6/4 RESTROOM FLOOR PLAN (OPTIONAL) 1/4" = 1'-0"



5/4 RESTROOM (OPTIONAL) 1/4" = 1'-0"

BASED ON PC 02-104917

RELOCATABLE CLASSROOMS

AMS American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-511

INTERIOR ELEVATIONS AND OPTIONS

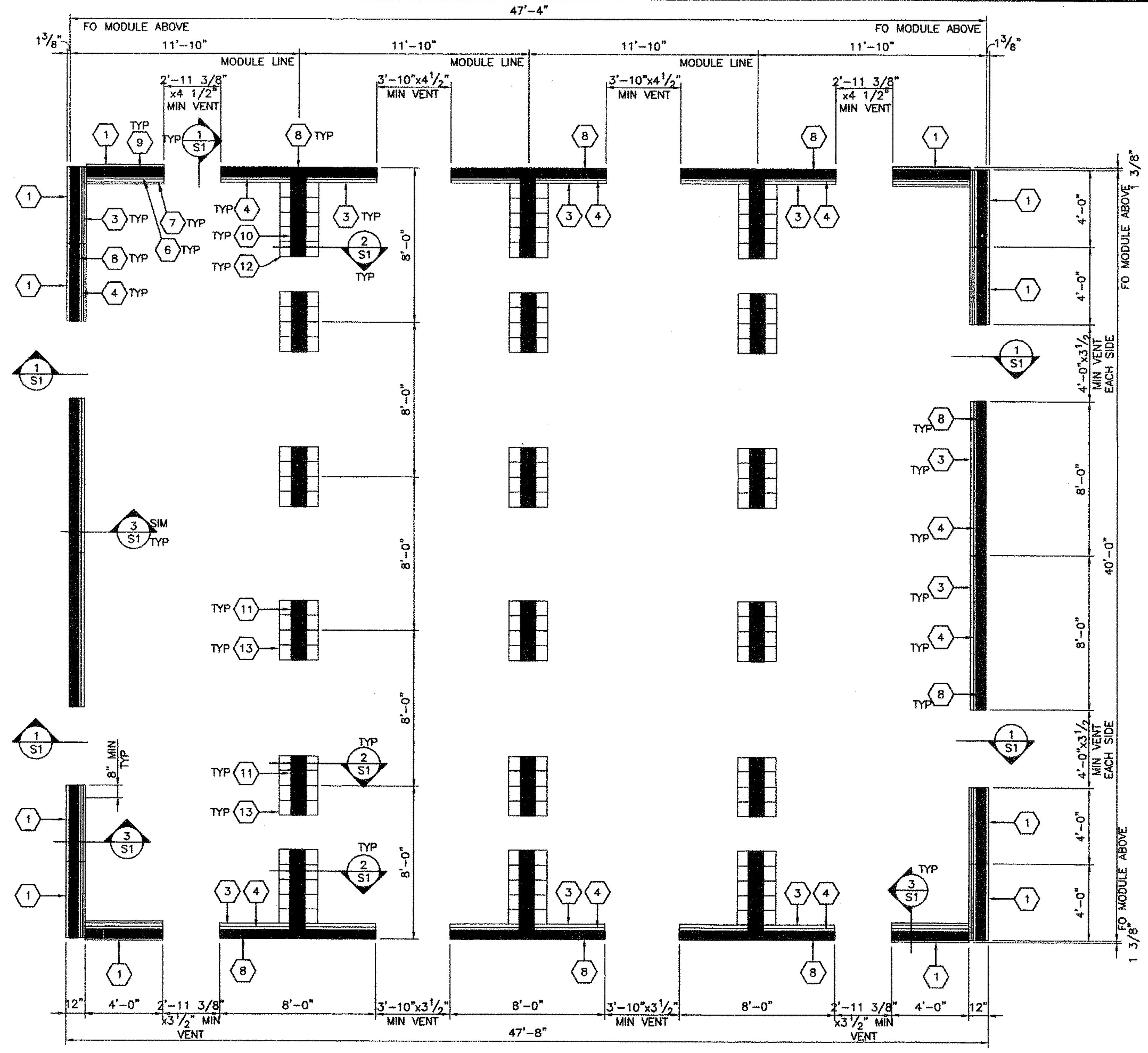
DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

SHEET No. 4



50 PSF LIVE LOAD
FOUNDATION PLAN
A/S1
1/4" = 1'-0"

LEGEND:

1. 1/2"x12" WIDE x 48" LONG, UNO ON PLAN, PT STRUCTURAL PLYWOOD W/ FACE GRAIN IN SHORT DIRECTION (CDX PLYWOOD)
2. NOT USED
3. 2x10x8'-0" LONG, UNO ON PLAN, PT ℞ ALT. 2X10 REDWOOD
4. 2x8x8'-0" LONG, UNO ON PLAN, ℞
5. NOT USED
6. 2x8x4'-0" LONG, UNO ON PLAN, ℞
7. 2x10x4'-0" LONG, UNO ON PLAN, ℞ (PT ℞ WHERE PLYWOOD DOES NOT OCCUR)
8. MULTIPLE 2x6x8'-0" LONG, UNO ON PLAN, NAILER AS REQ'D FOR HEIGHT
9. MULTIPLE 2x6x4'-0" LONG, UNO ON PLAN, NAILER AS REQ'D FOR HEIGHT
10. 2x10 ℞ SEE 2/S1
11. 2x10 BLKG, SEE 2/S1
12. (4) 2x12x2'-0" PT ℞ OR (5) 2x10x2'-0" PT ℞ OR (6) 2x8x2'-0" PT ℞, SEE 2/S1
13. (4) 2x12x2'-0" PT ℞ OR (4) 2x10x2'-0" PT ℞ OR (5) 2x8x2'-0" PT ℞, SEE 2/S1

• 1"ø GALVANIZED PIPE LOCATIONS–TYPICAL

NOTES:

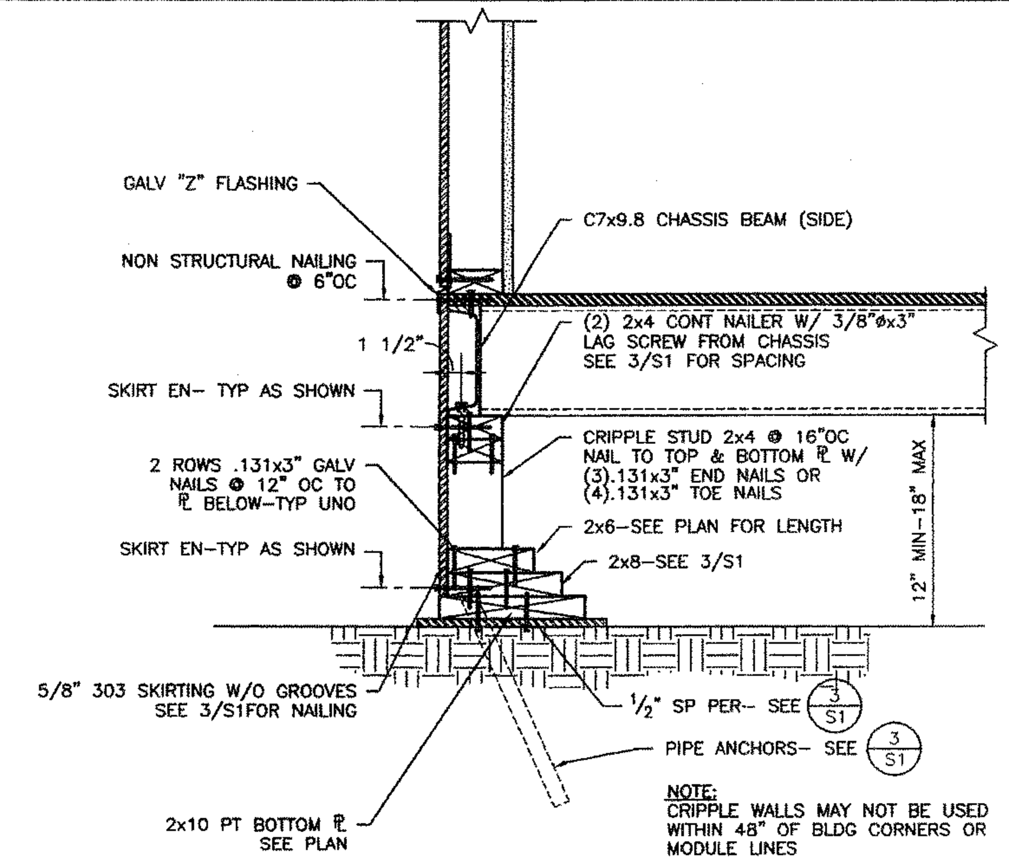
1. TOP OF WOOD PADS TO BE LEVEL.
2. DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
3. SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
4. FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
5. PER THE CONTRACT OF THIS PROJECT–THE BUILDING PAD MUST BE A MINIMUM OF 54'x50' AND SHALL NOT EXCEED 6" OUT OF LEVEL IN ANY DIRECTION.
6. VENT AREA REQUIRED=($\frac{1920\ SF}{150\ SF}$)=12.8 SF
   VENT AREA PROVIDED= 13.6 SF

SILL RESTRAINT:

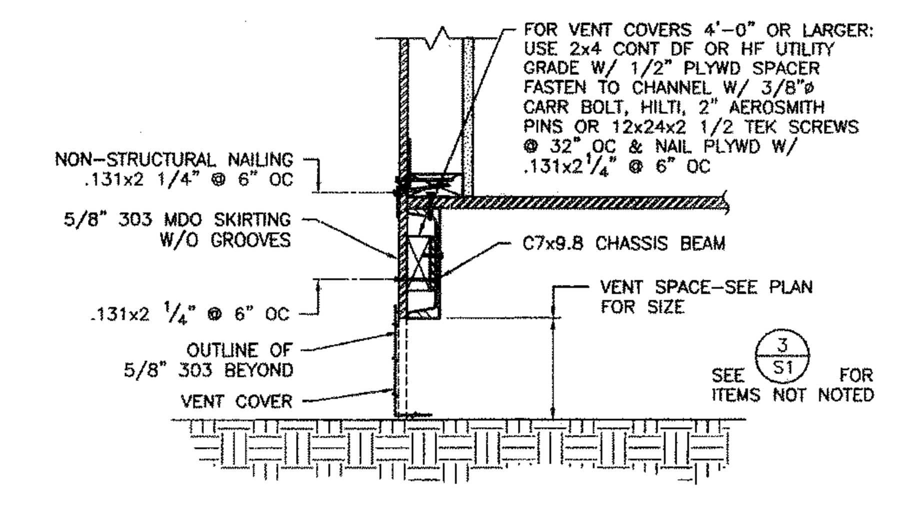
ON SOIL:	1"ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 10'-0" OC, MIN 2 EA 2x ℞. DRILL SILL 1 1/4"ø MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.
ON A/C PAVING:	1"ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC, MIN 2 EA 2x ℞. DRILL SILL 1 1/4"ø MAX. ALT: 60d HOT DIPPED GALV NAILS THRU PREDRILLED SILL ℞ @ 32" OC
ON CONC PAVING:	1"ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC, MIN 2 EA 2x ℞. DRILL SILL 1 1/4"ø MAX. ALT: 1/2"ø HILTI KBII's THRU SILL ℞ W/ 3 1/2" MIN CONC EMBEDMENT @ 5'-0" OC MAX.

FOUNDATIONS:

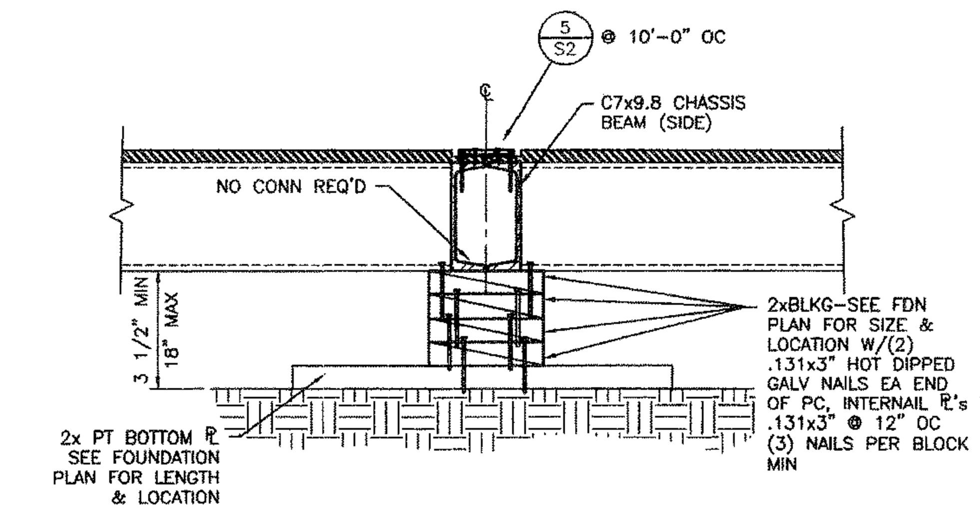
ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 2001 CALIFORNIA BUILDING CODE. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE HF#2 OR DF#2 "FOR ABOVE GROUND USE." THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RE-TREATED PER SPECIFICATIONS. LP-2 AND LP-22 MATERIAL SHALL BE BANDED SEPARATELY FOR SHIPMENT TO THE JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH BANDED UNIT SHALL BE ATTACHED TO THE MATERIAL.
CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED.
INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.



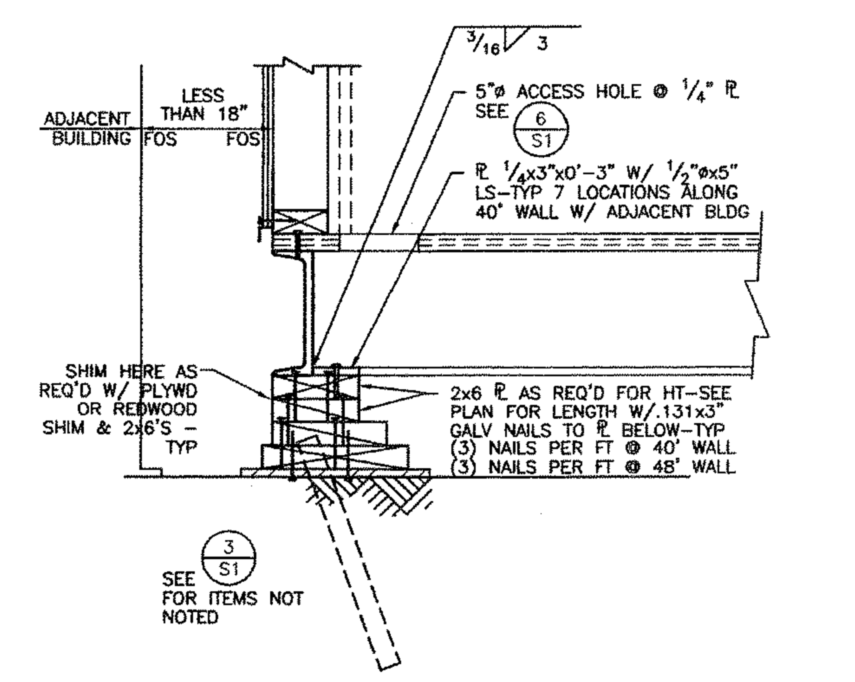
FOUNDATION DETAIL
4/S1
1 1/2" = 1'-0"



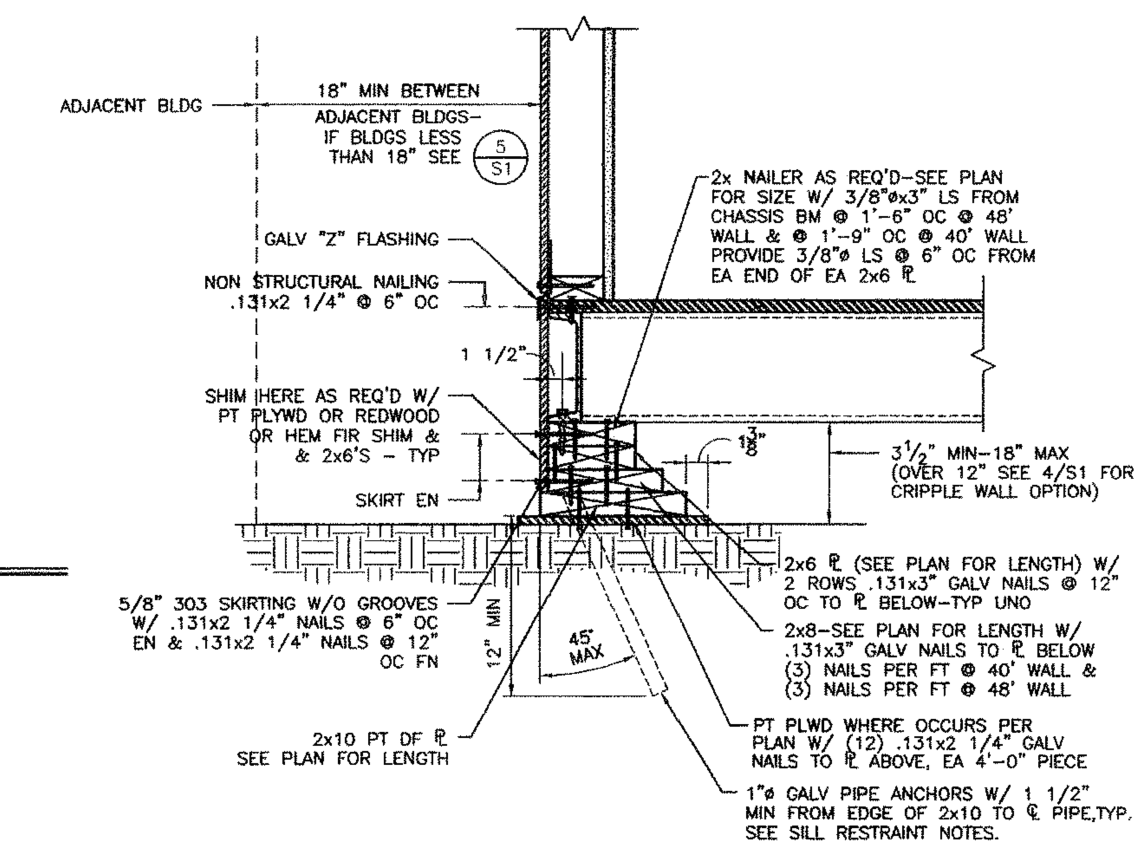
FOUNDATION DETAIL
1/S1
1 1/2" = 1'-0"



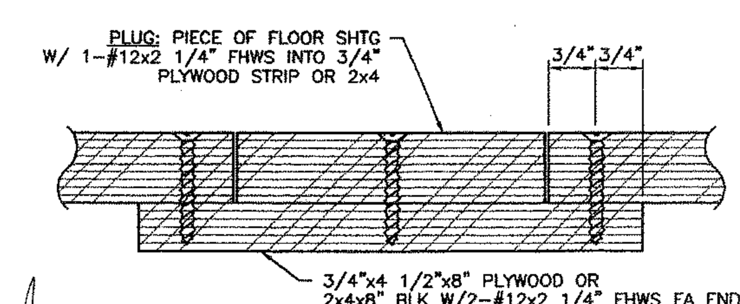
DETAIL
2/S1
1 1/2" = 1'-0"



OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART
FOUNDATION DETAIL
5/S1
1 1/2"=1'-0"



FOUNDATION DETAIL
3/S1
1 1/2" = 1'-0"



FILLER ACCESS HOLE
DETAIL
6/S1
NO SCALE

LICENSED ARCHITECT RANDALL PATRICK KAVANAGH No. C 12631 Ren. 3-31-05 STATE OF CALIFORNIA

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
02 10 ~1 8 1
AC ___ FLS ✓ SS S/
DATE 4/20/04

REGISTERED PROFESSIONAL ENGINEER JOHN H. LAWDER No 2310 Exp 3-31-05 STRUCTURAL STATE OF CALIFORNIA

2001 CBC FILE NO. PC
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPLICATION NO. 02-104917
AC ✓ FLS ✓ SS AH
DATE OCT 3_ 2003

48 x 40
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

REGISTERED PROFESSIONAL ENGINEER Kenneth A. Luttrell No. 1418 EXP. 3-31-05 Structural Engineer STATE OF CALIFORNIA

CUSTOMER:

WOOD FOUNDATION PLAN & DETAILS
50 PSF FLOOR LIVE LOAD

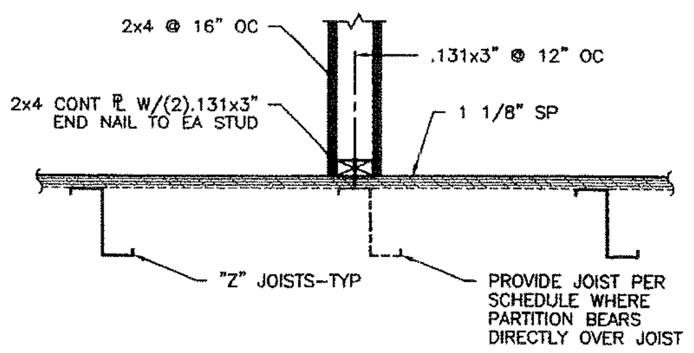
DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

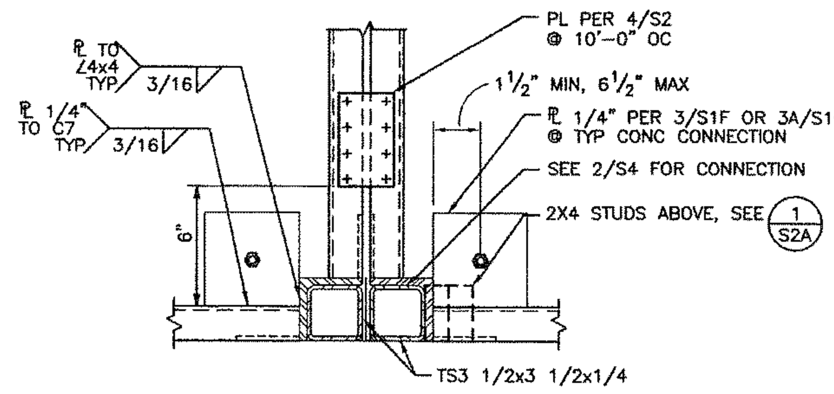
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No. 02156-03
SHEET No. S1

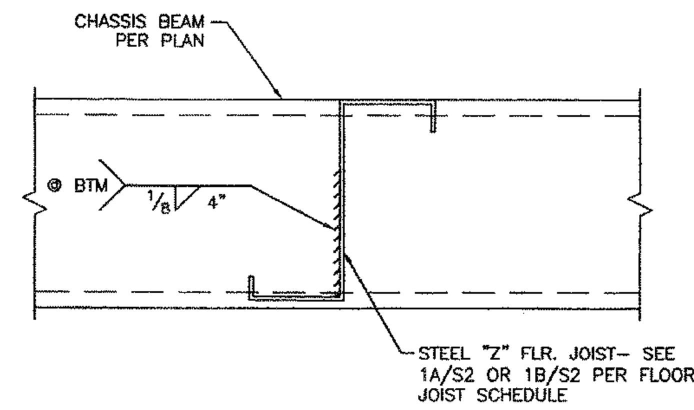
P:\02156\03\ACAD\STRU\S1.dwg Time:Jun19,2003-08:37am Login:moer Dimscale:8 LTScale:4



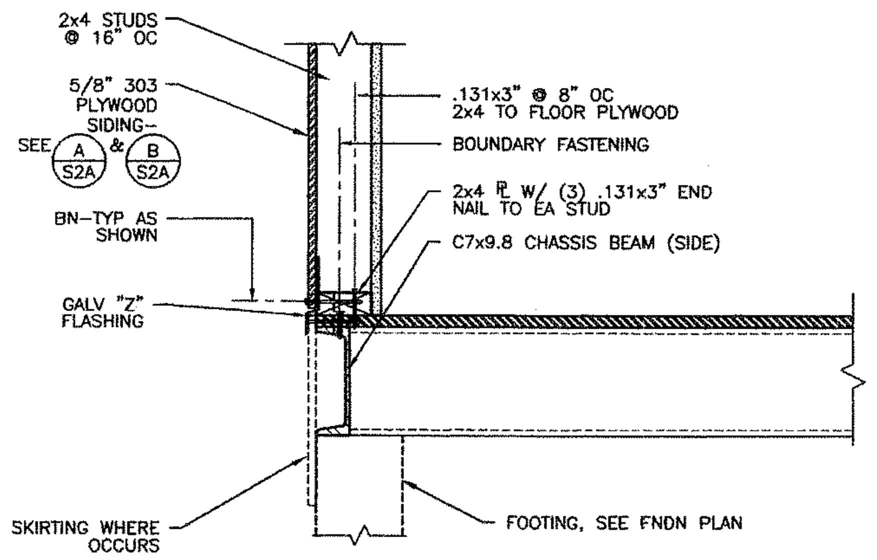
TYP INTR NON-BEARING WALL BASE
5/S2 DETAIL
1" = 1'-0"



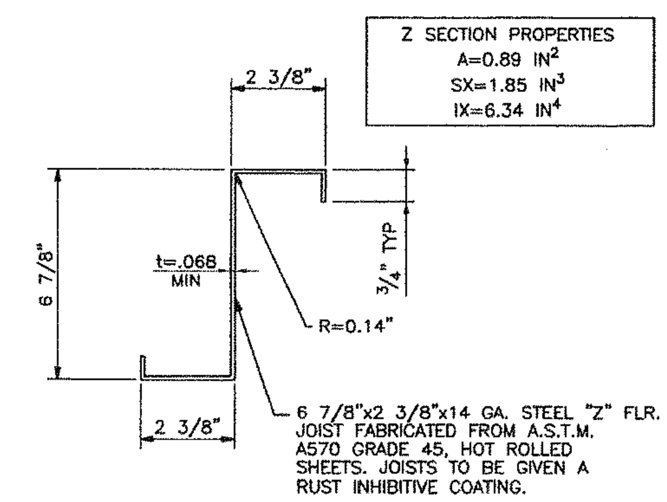
2/S2 PLAN DETAIL
NO SCALE



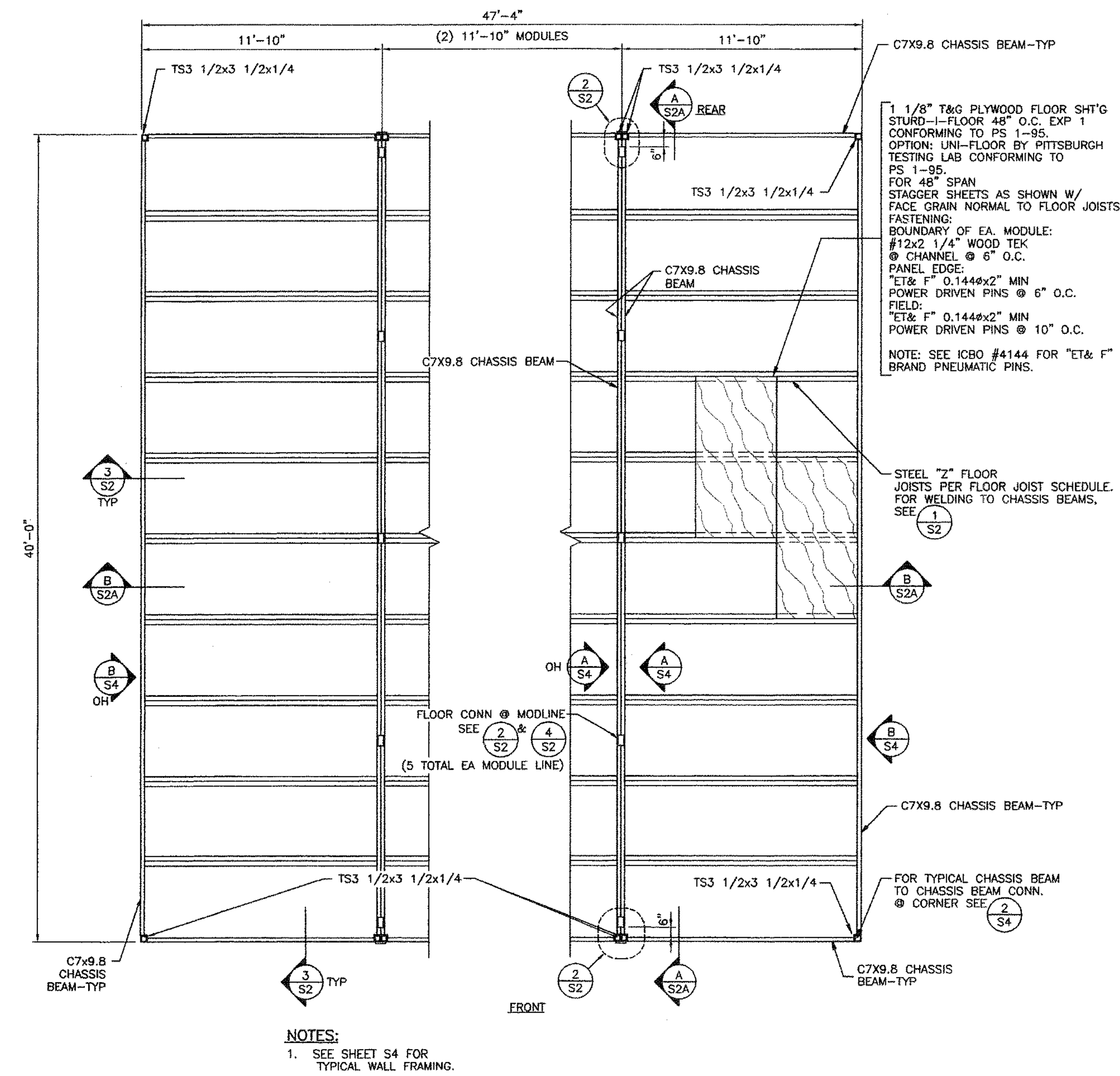
1/S2 DETAIL
NO SCALE



3/S2 DETAIL
1 1/2" = 1'-0"

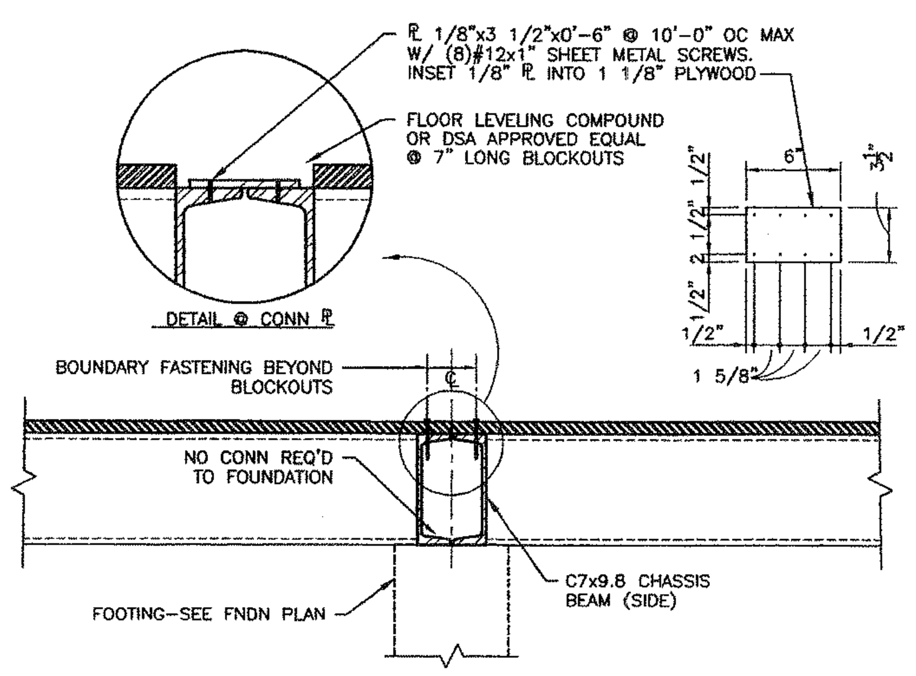


14 GA JOIST
1A/S2 DETAIL
NO SCALE

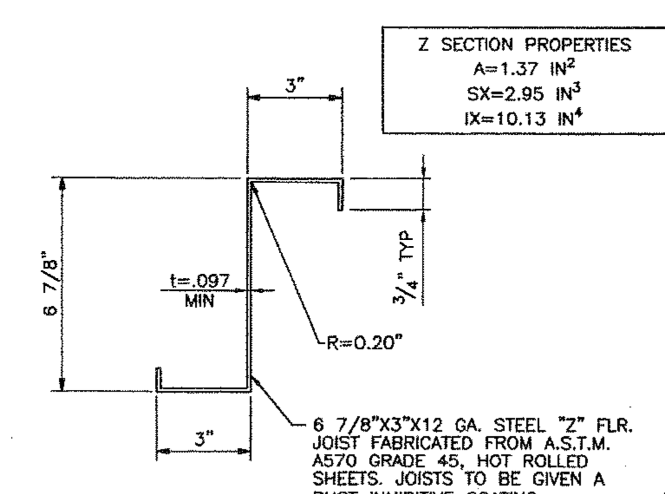


NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.

A/S2 FLOOR FRAMING PLAN
1/4" = 1'-0"



4/S2 DETAIL
1 1/2" = 1'-0"



12 GA JOIST
1B/S2 DETAIL
NO SCALE

FLOOR JOIST SCHEDULE

LIVE LOAD	SPACING	
	14 GA JOIST	12 GA JOIST
50 PSF	48" OC	48" OC
~~50+20 PSF~~	~~24" OC~~	~~48" OC~~
~~100 PSF~~	~~24" OC~~	~~24" OC~~
~~125 PSF~~		~~24" OC~~

NOTES:
1. FOR JOISTS SEE 1A/S2 AND 1B/S2.
2. SPACING IS TO CENTER LINE OF TOP FLANGE.
3. PROVIDE 12 GA JOIST WHERE PARTITION BEARS DIRECTLY OVER JOIST.

48 x 40
RELOCATABLE
CLASSROOM

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:

FLOOR FRAMING PLAN
AND DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

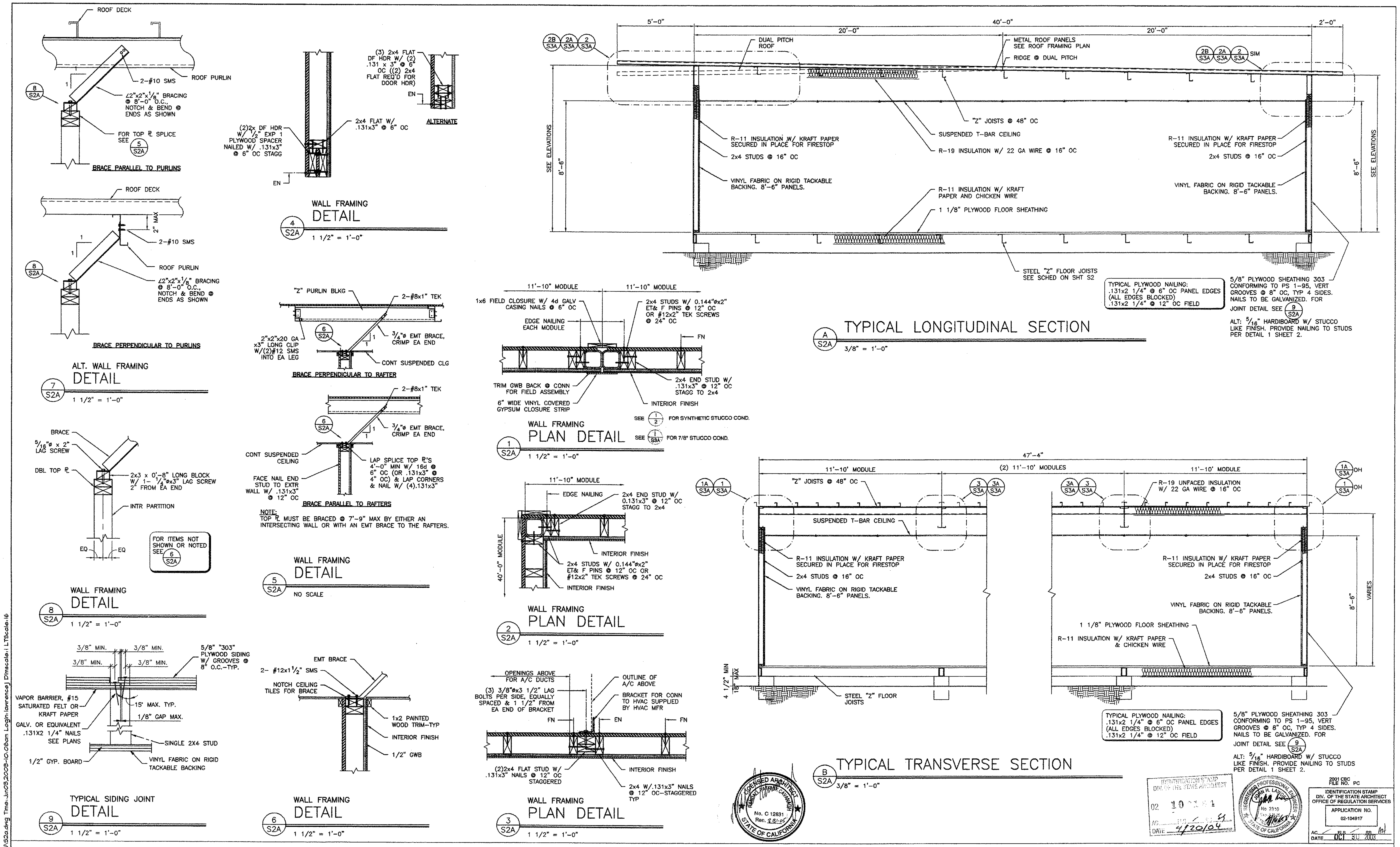
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.
02156-03

SHEET No.
S2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



48 x 40
RELOCATABLE
CLASSROOM

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:

BUILDING SECTIONS
AND WALL DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
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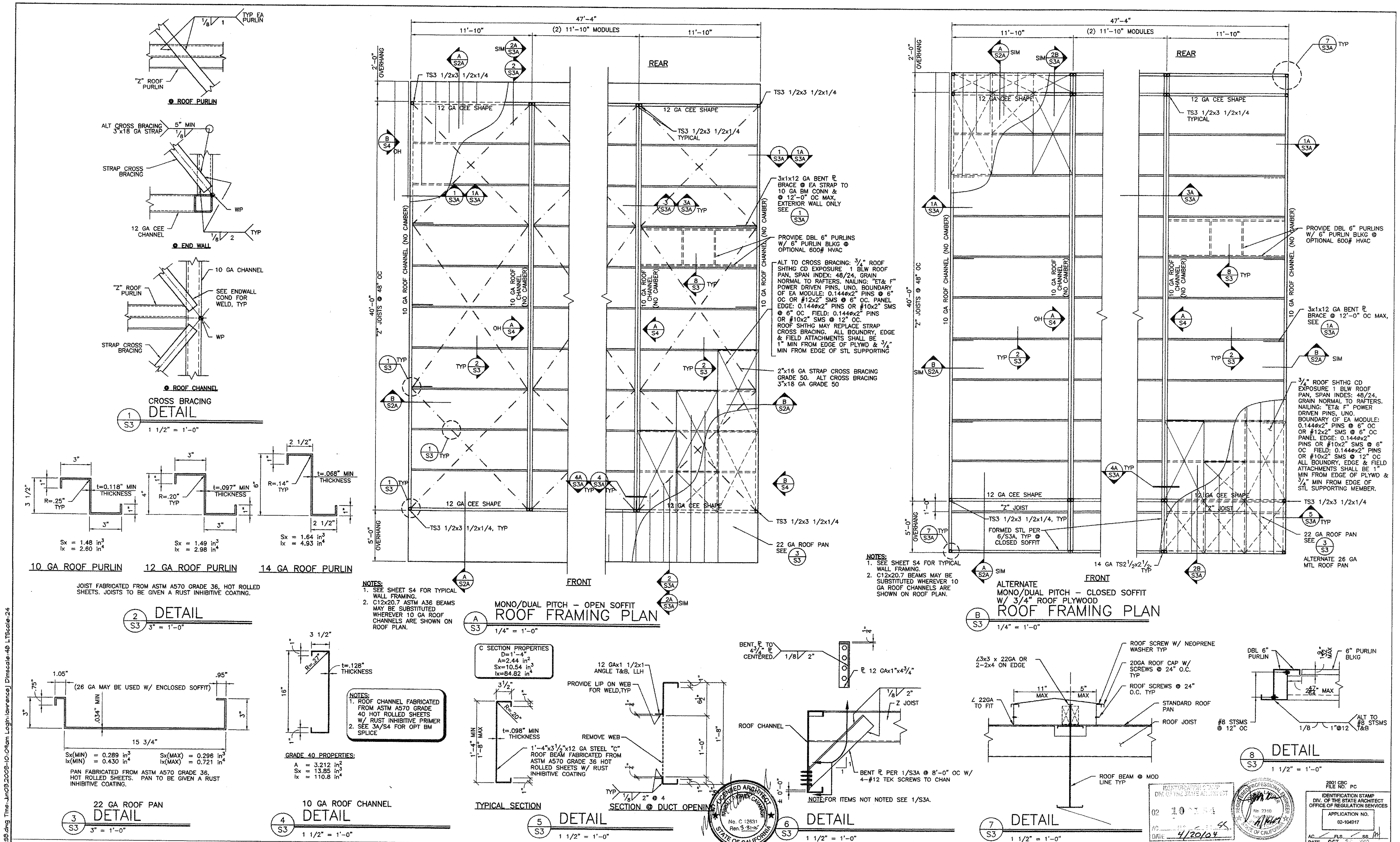
PROJECT No.
02156-03

SHEET No.
S2A



48 x 40
RELOCATABLE
CLASSROOM

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:

ROOF FRAMING PLANS AND DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
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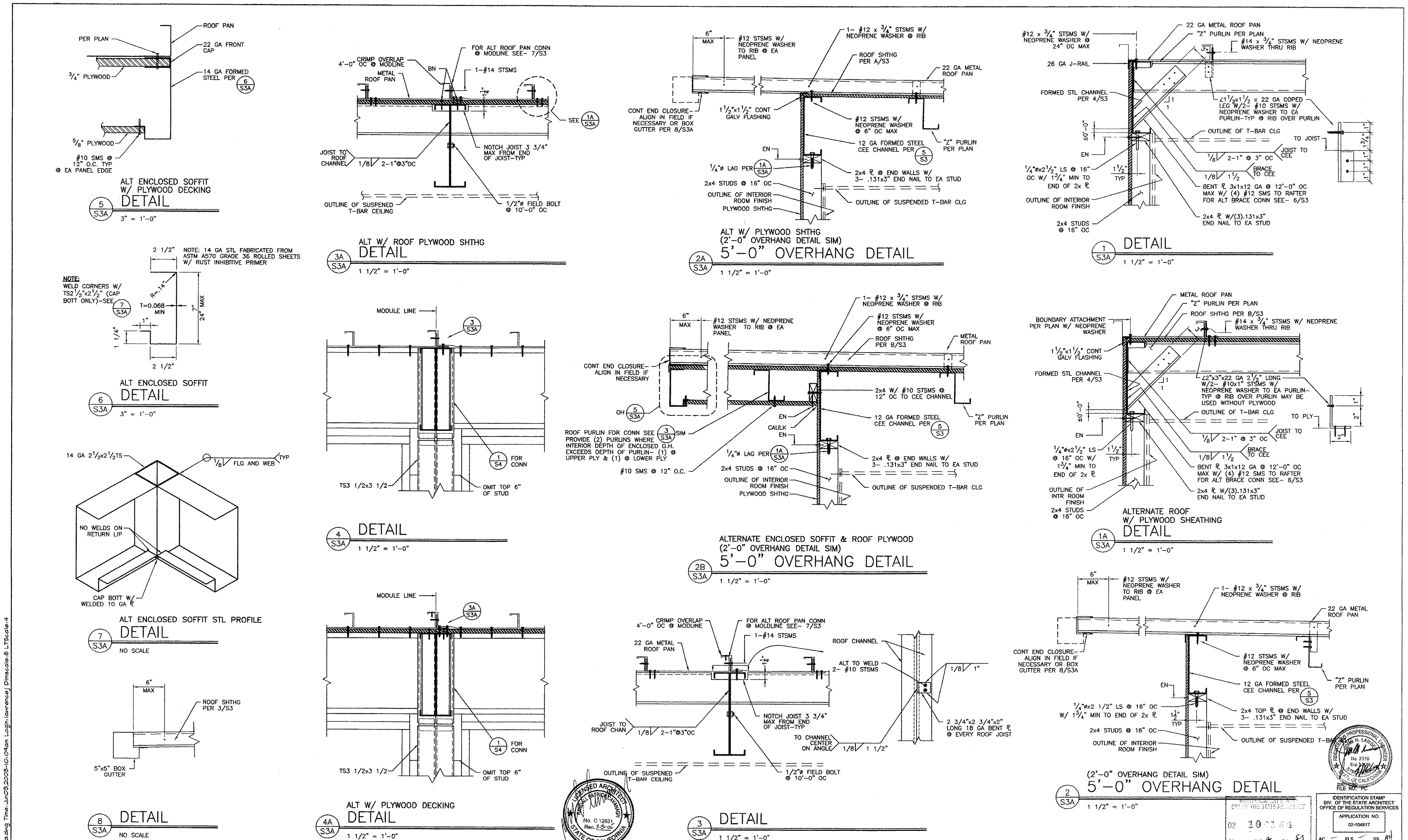
PROJECT No. 02156-03

SHEET No. S3



48 x 40
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:

ROOF SECTIONS & DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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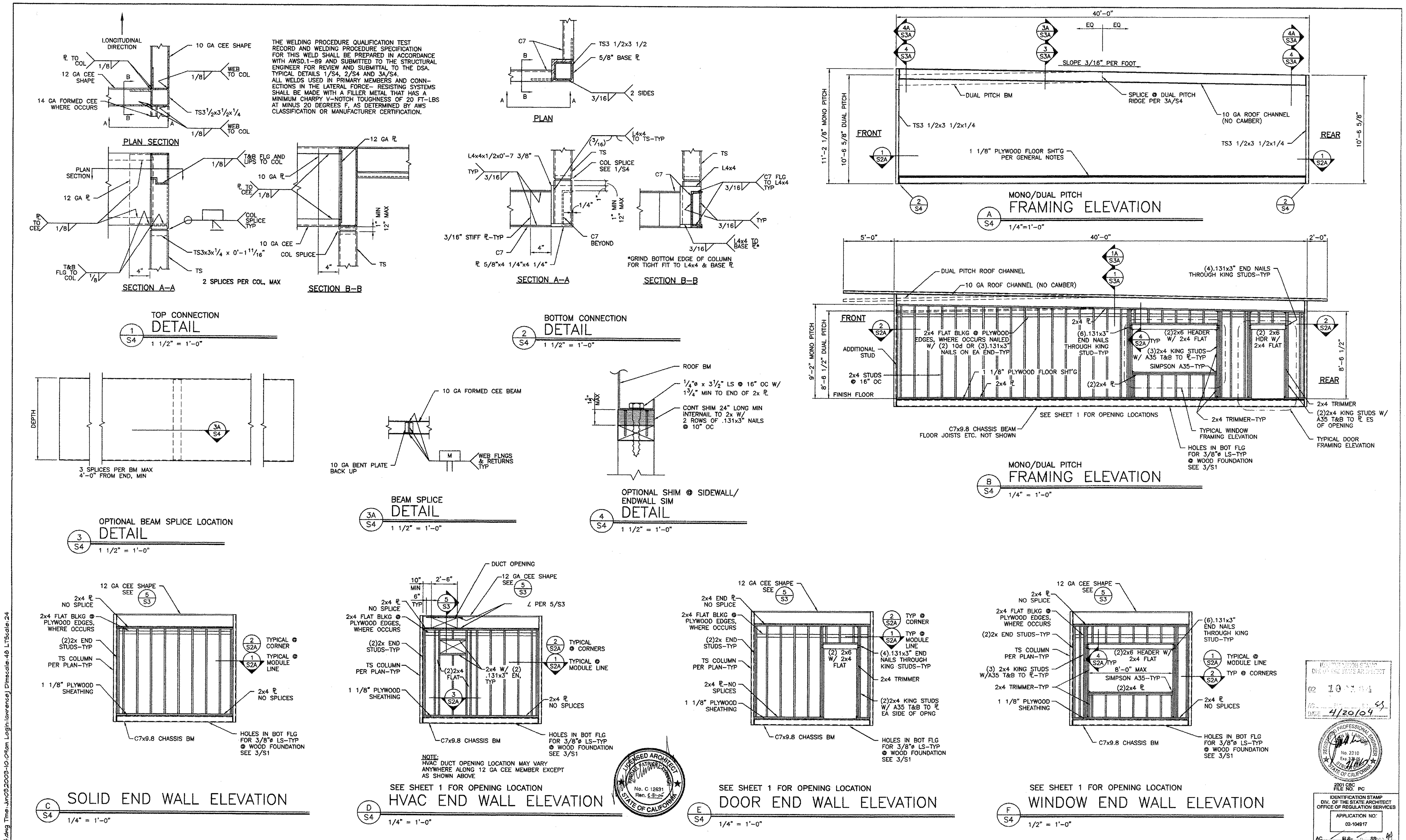
PROJECT No. 02156-03

SHEET No. S3A



48 x 40
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
EXP. 3-31-05
Structural Engineer
STATE OF CALIFORNIA

CUSTOMER:

WALL FRAMING ELEVATIONS
& WALL DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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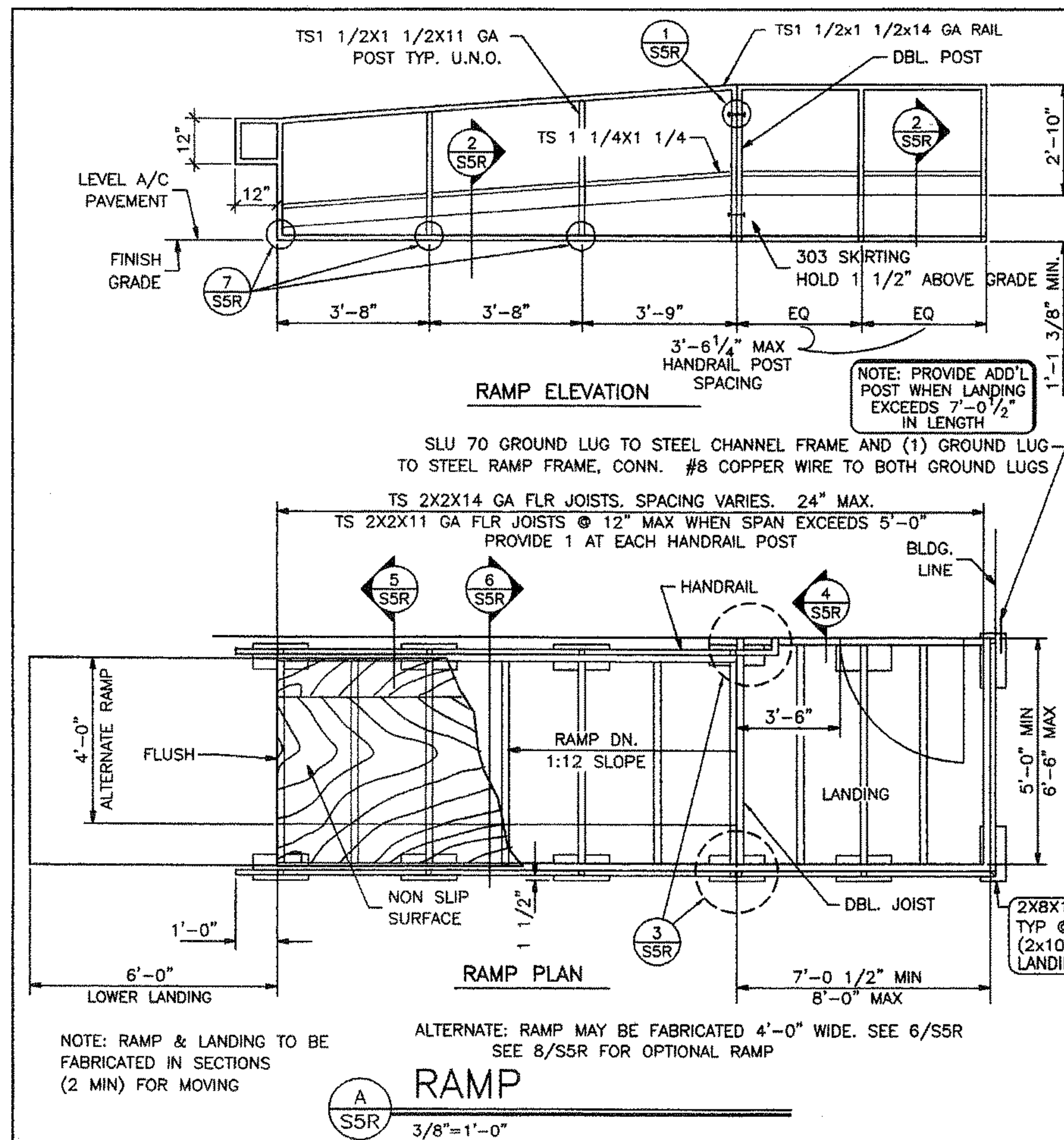
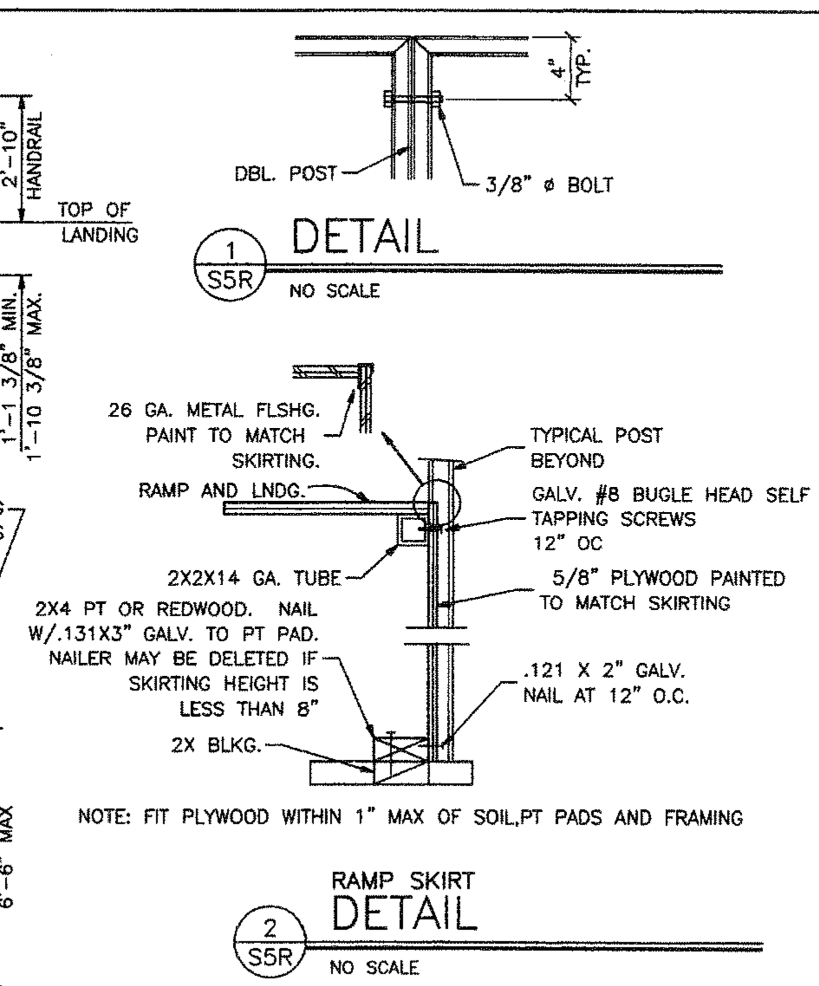
PROJECT No.
02156-03

SHEET No.
S4

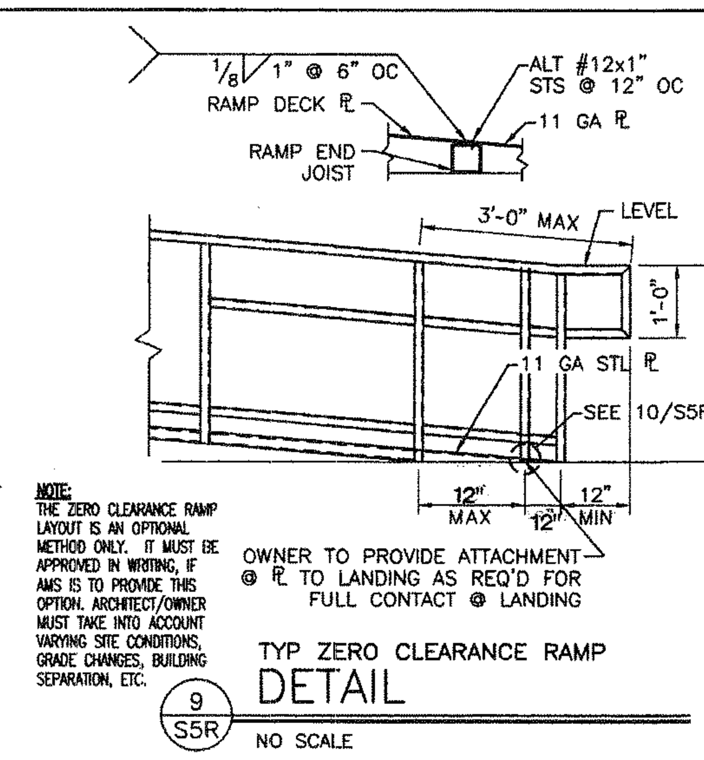


RAMP
A/S5R 3/8"=1'-0"



DETAIL 1/S5R NO SCALE

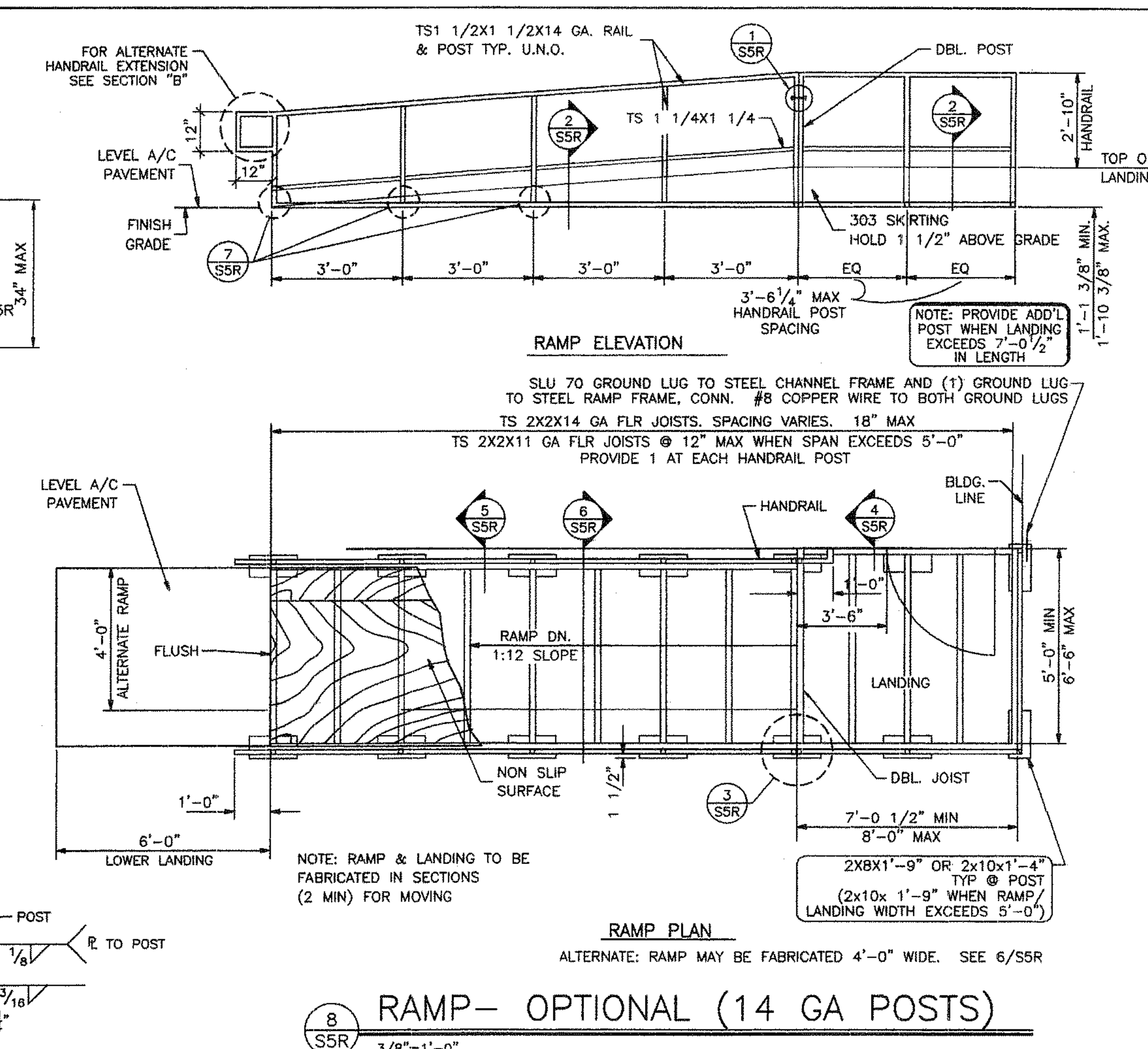
RAMP SKIRT DETAIL 2/S5R NO SCALE



TYP ZERO CLEARANCE RAMP DETAIL 9/S5R NO SCALE

NOTES:

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP @ 34".
3. LANDING AND RAMP TO HAVE NON SLIP SURFACE.
4. PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/ #8 CU TO BOTH GROUND LUGS.
5. DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE, IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY AMS INC. IS 12'-0" AT A SLOPE OF 1:12. THEREFORE, THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS AMS INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET S5R.



RAMP- OPTIONAL (14 GA POSTS)
8/S5R 3/8"=1'-0"

ENTRY RAMP AND LANDING SPECIFICATIONS

EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 1133B.5, 1006 AND 1007. THE RAMP AND LANDING STRUCTURES INCLUDING HANDRAIL AND WHEEL GUIDES ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE.
DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. TUBING SHALL BE STEEL CONFORMING TO ASTM A500 GRADE B. THE RAMP SURFACE SHALL BE 3/4" MARINE GRADE PLYWOOD.
RAMP AND LANDING SHALL HAVE A NON-SLIP (0.7 MIN C.O.F.) SURFACE FINISH APPLIED. NON-SLIP FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN CHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SPEC SECTION 9E. RAMPS SHALL HAVE HANDRAILS ON BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTIONN TO THE INTEGRAL RAMP HANDRAIL.
RAMP AND LANDING SHALL BE FULLY SKIRTED WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE SKIRT 1" MAXIMUM

FLOOR DECKING:

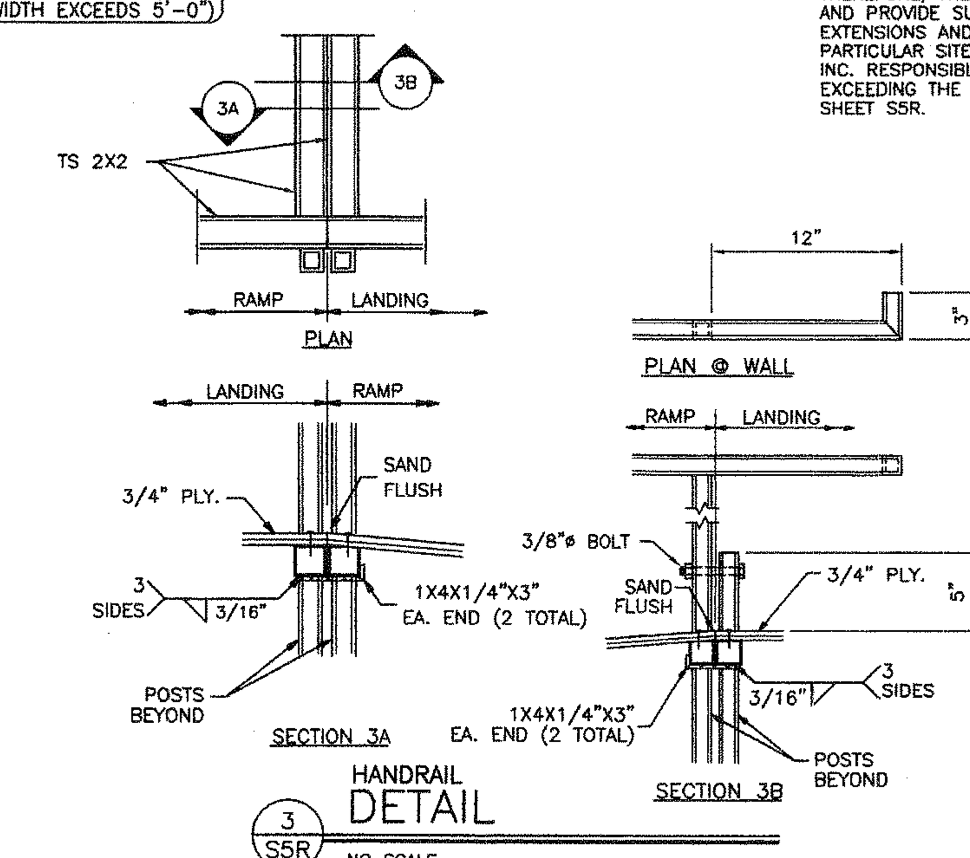
3/4" MARINE EXT. APA 48/24 PLYWOOD W/ NON-SLIP SURFACE. (SEE ALTERNATE) DECK SURFACES SHALL BE SEALED ON ALL SIDES. FASTENED TO STEEL FLOOR MEMBERS WITH #10-24 X 1 1/4" LONG PLY-METAL TYPE SCREWS @ 12" O.C.

ALT. FLOOR DECKING:

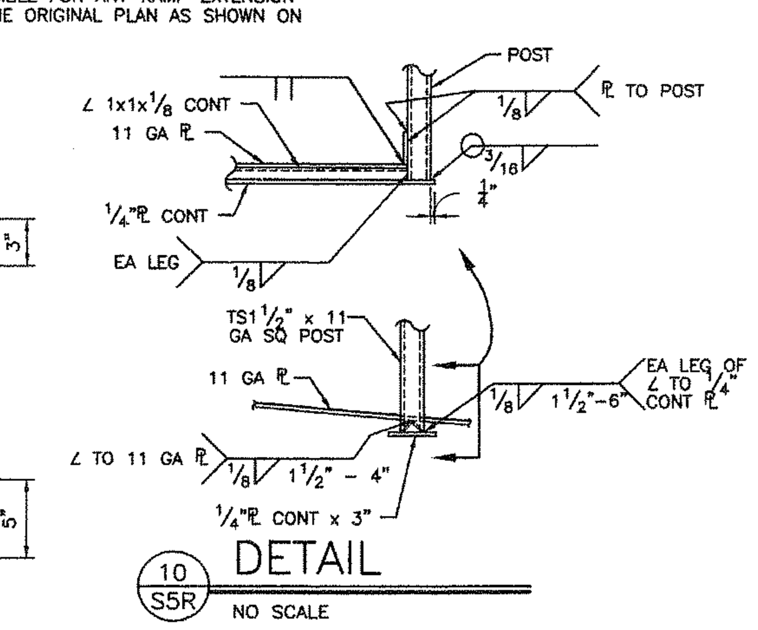
1. 11 GA SHEET METAL WITH NON-SLIP SURFACE.

GROUNDING OF BUILDING COMPONENTS:

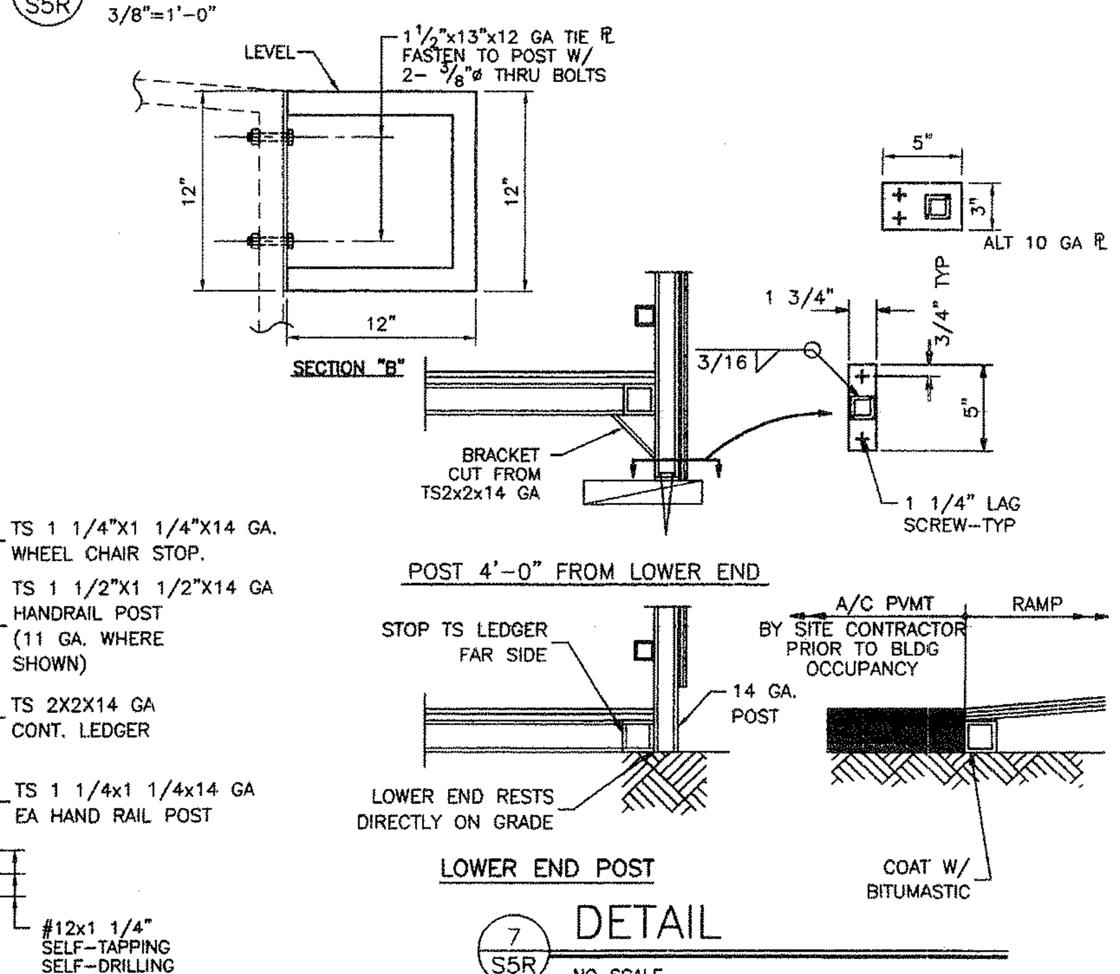
CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECCESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.) GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHERS AND MEET THE REQUIREMENTS OF I.R. M-5 ISSUED BY DSA.



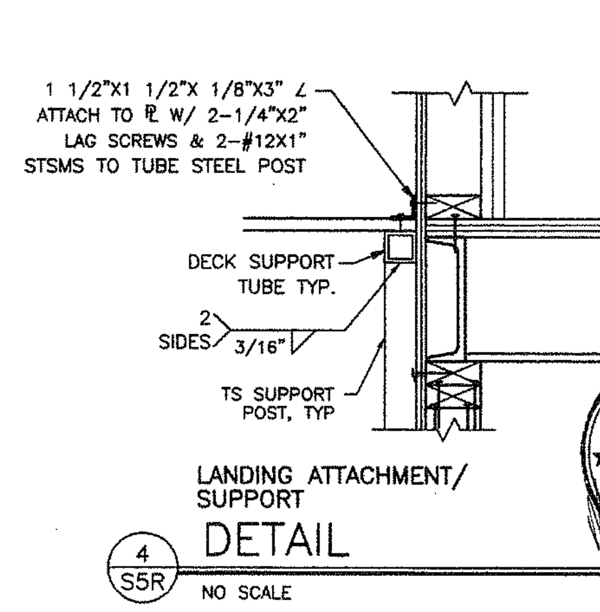
SECTION 3A SECTION 3B
HANDRAIL DETAIL 3/S5R NO SCALE



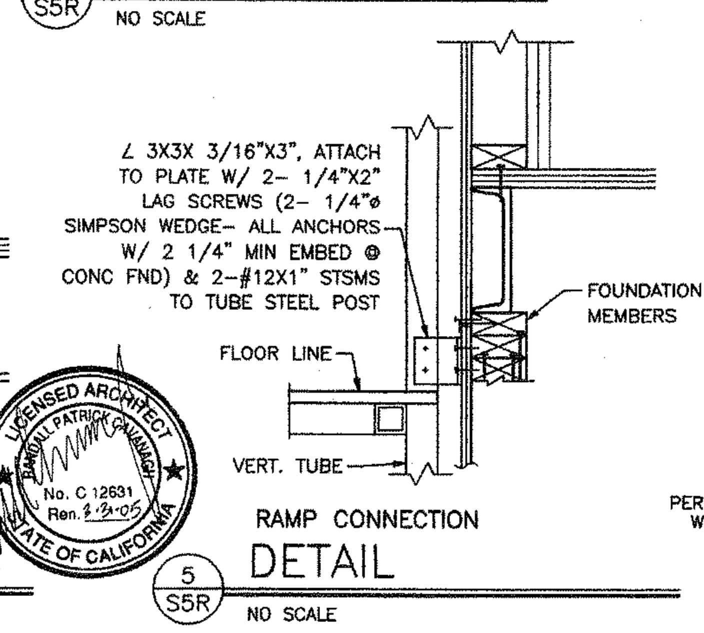
DETAIL 10/S5R NO SCALE



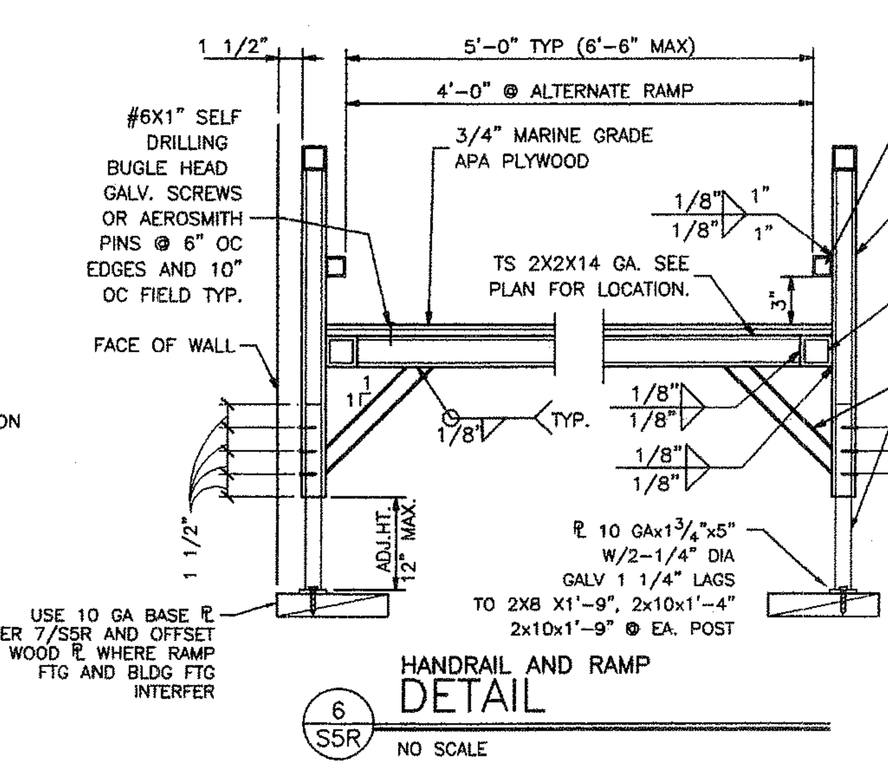
LOWER END POST DETAIL 7/S5R NO SCALE



LANDING ATTACHMENT/ SUPPORT DETAIL 4/S5R NO SCALE



RAMP CONNECTION DETAIL 5/S5R NO SCALE



HANDRAIL AND RAMP DETAIL 6/S5R NO SCALE

2001 CBC FILE NO. PC
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPLICATION NO. 02-104917

48 x 40 RELOCATABLE CLASSROOM	AMS American Modular Systems Inc. 787 Spreckels Ave. Manteca, CA 95336 (209)825-1921 Fax (209)825-7018 americanmodular.com	CUSTOMER: / RAMP PLAN, ELEVATIONS AND DETAILS	DATE: 5/30/03; SCALE: AS NOTED; DRAWN BY: REM; DESIGNED BY: MDB; CHECKED BY: KAL; SERIAL NO.	REVISIONS	PROJECT No. 02156-03	SHEET No. S5R

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

Mechanical Mandatory Measures

Equipment and Systems Efficiency

☐ §111 Any appliance for which there is a California standard established in the Appliance Efficiency Regulations with comply with the applicable standard.

☐ §115(a) Fan type central furnaces shall not have pilot lights.

☐ §123 Piping, except that conveying fluids at temperatures between 60 and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.

☐ §124 Air handling duct systems shall be installed and insulated in compliance with Sections 601, 603 and 604 of the Uniform Mechanical Code.

Controls

☐ §12(e) Each space conditioning system shall installed with one of the following:

☐ §122(E) Each space conditioning system serving building types such as offices and manufacturing facilities (and all others not explicitly exempt from the requirements of section 122(d)) shall be installed with an automatic time switch with an accessible manual override that allows operation of the system during off-hours for up to 4 hours. The time switch shall be capable of programming different schedules for weekdays and weekends; incorporate an automatic holiday "shut off" feature that turns off all loads for at least 24 hours, then resumes the normally scheduled operation; and has program backup capabilities that prevent the loss of the device's program and time settings for at least 10 hours if power is interrupted; or

☐ §122(a) An occupancy sensor to control the operating period of the systems; or

☐ §113(b) A 4-hour timer that can be manually operated to control the operating period of the system.

☐ §122(e) Each space conditioning system shall be installed with controls that temporarily restort and temporarily operate the system as required to maintain a setback heating and/or a setup cooling thermostat setpoint.

☐ §122(g) Each space conditioning system serving multiple zones with combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone: shall not exceed 25,000 square feet; shall be provided with devices, such as valves or dampers, that allow supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.

☐ §122 (A&B) Each space conditioning zone shall be controlled by an individual thermostatic control that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55 degF or lower. For cooling, the control shall be adjustable up to 85 degF or higher. Where used to control both heating and cooling, the control shall be capable of providing a dead band of at least 5°F within which the supply of heating and cooling is shut-off or reduced to a minimum.

☐ §122(c) Thermostats shall have numeric setpoints in degrees Fahrenheit (F) and adjustable setpoint stops accessible only to authorized personnel.

☐ §122(b) Heat Pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.

Ventilation

☐ §121(e) Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified in these plans.

☐ §122(f) Gravity or automatic dampers interlocked and closed on fan shutdown shall be provided on the outside air intakes and discharges of all space conditioning and exhaust systems.

☐ §122(f) All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.

☐ §121(f) Air Balancing: The system shall be balanced in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1983), or Associated Air Balance Council (AABC) National Standards (1986); or

☐ §121(f) Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C-20 Mechanical contractor and certified by (1) the design mechanical engineer, (2) the installing licensed C-20 mechanical contractor, or (3) the person with overall responsibility for the design of the ventilation system; or

☐ §121(f) Outside Air Measurement: The System shall be equipped with a calibrated local or remote device capable of measuring the quantity of outside air on a continuous basis and displaying that quantity on a ready accessible displays; or

☐ §121(f) Another method approved by the Commission.

Envelope Mandatory Measures

☐ §118(a) **Installed Insulating Material** shall have been certified by the manufacturer to comply with California Quality Standards for Insulating material, Title 20

☐ §118(c) **All Insulating Materials** shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of the Title 24, Part 2

☐ §117(a) **All Exterior Joints** and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.

☐ §116(b) **Site Constructed Doors, Windows, and Skylights** shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).

☐ §116(a) **Manufactured Doors and Windows** installed shall have air infiltration rates not exceeding those shown in Table Number 1-E. of standards. manufactured fenestration products must be labeled for U-value according to NFRC procedures.

☐ §118(e) **Demising Walls in Nonresidential Buildings:** The Opaque portions of rates not exceeding those shown in framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-11 between framing members.

Mechanical Mandatory Measures - Cont.

Service Water Heating Systems

☐ §113(b) If a circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.

☐ §113(b) Lavatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110°F.

☐ §113(b) Lavatories in restrooms of public facilities shall be equipped within of the following:

☐ Outlet devices that limit the flow of hot water to a maximum of 0.5 gallons per minute

☐ Foot actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute.

☐ Proximity sensors actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute

☐ Self-closing valves, and outlets devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.25 gallons/cycle (circulating system).

☐ Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.50 gallons/cycle (non-circulating system)

☐ Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.75 gallons/cycle (foot switches and proximity sensor controls).

Pools and Spas

☐ Pool and/or spa heating systems or equipment shall be installed only if the manufacturer has certified that the system or equipment meets the requirements of *114 and *115 of the Energy Efficiency Standards. Equipment shall not have a pilot light. All such systems shall be installed with at least 36" of pipe between the filter and the heater to allow for the future addition of solar heating equipment.

☐ A cover shall be provided for outdoor pools.

☐ A cover shall be provided for outdoor spas.

☐ Pools shall be installed with directional inlets that adequately mix the pool water.

☐ Pool circulation pump(s) shall be provided with a time switch that allows the pump to be set to run in the off-peak electrical demand period, and for the minimum time necessary to maintain the water in the conditions required by applicable public health standards.

Lighting Mandatory Measures

☐ §131(d)1 **For every floor, all interior lighting** systems shall be equipped with a separate automatic control to shut off the lighting. This automatic control shall meet the requirements of Section 119 and may be an occupancy sensor, automatic time switch, or other device capable of automatically shutting off the lighting.

☐ §131(d)2 **Override for Building Lighting Shut-Off** The automatic building shut-off system is provided with a manual, accessible override switch in sight of the lights. The area of override is not to exceed 5,000 square feet.

☐ §119(h) **Automatic control Devices Certified** All automatic devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.

☐ §113(b) **Fluorescent Ballast and Luminaries Certified** All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.

☐ §132 **Tandem Wiring for One and Three Lamp Fluorescent Fixtures:** All one and three lamp fluorescents fixtures are tandem wired with two lamp ballasts were required by Standards Section 132; or all three lamp fluorescents fixtures are specified with electronic high-frequency ballasts and are exempt from tandem wiring requirements.

☐ §131(a) **Individual Room/Area Controls:** Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.

☐ §131(b) **Uniform Reduction for Individual Rooms** All rooms and areas greater than 100 square feet and more than 0.8 watts per square foot of lighting shall be controlled with Bi-level switching for uniform reduction of lighting within the room.

☐ §131(c) **Daylit Area Control** All rooms with windows and skylights, that are greater than 250 square feet, and that allow for the effective use of daylight in the area shall have 50% of the lamps in each daylit area controlled by a separate switch; or The effective use of daylight cannot be accomplished because the windows are continuously shaded by a building on the adjacent lot. Diagram of shading during different times of year is included on plans.

☐ §131(f) **Control of Exterior Lights** Exterior mounted fixtures and served from the electrical panel inside the building are controlled with a directional photo cell control on the roof and a corresponding relay in the electrical panel.

☐ §131(e) **Display Lighting: Display lighting** Exterior mounted fixtures and served shall be separately switched on circuits that are 20 amps of less.

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWSON
No. 2310
Exp. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 10
AC. FLS. SS.
DATE 4/20/04

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-104917
AC. FLS. SS.
DATE OCT 30 2003

BASED ON PC 02-104917

48 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7016
americanmodular.com

LICENSED ARCHITECT
9-31-05
STATE OF CALIFORNIA

CUSTOMER:

ENERGY MANDATORY MEASURES

DATE: 10-20-03
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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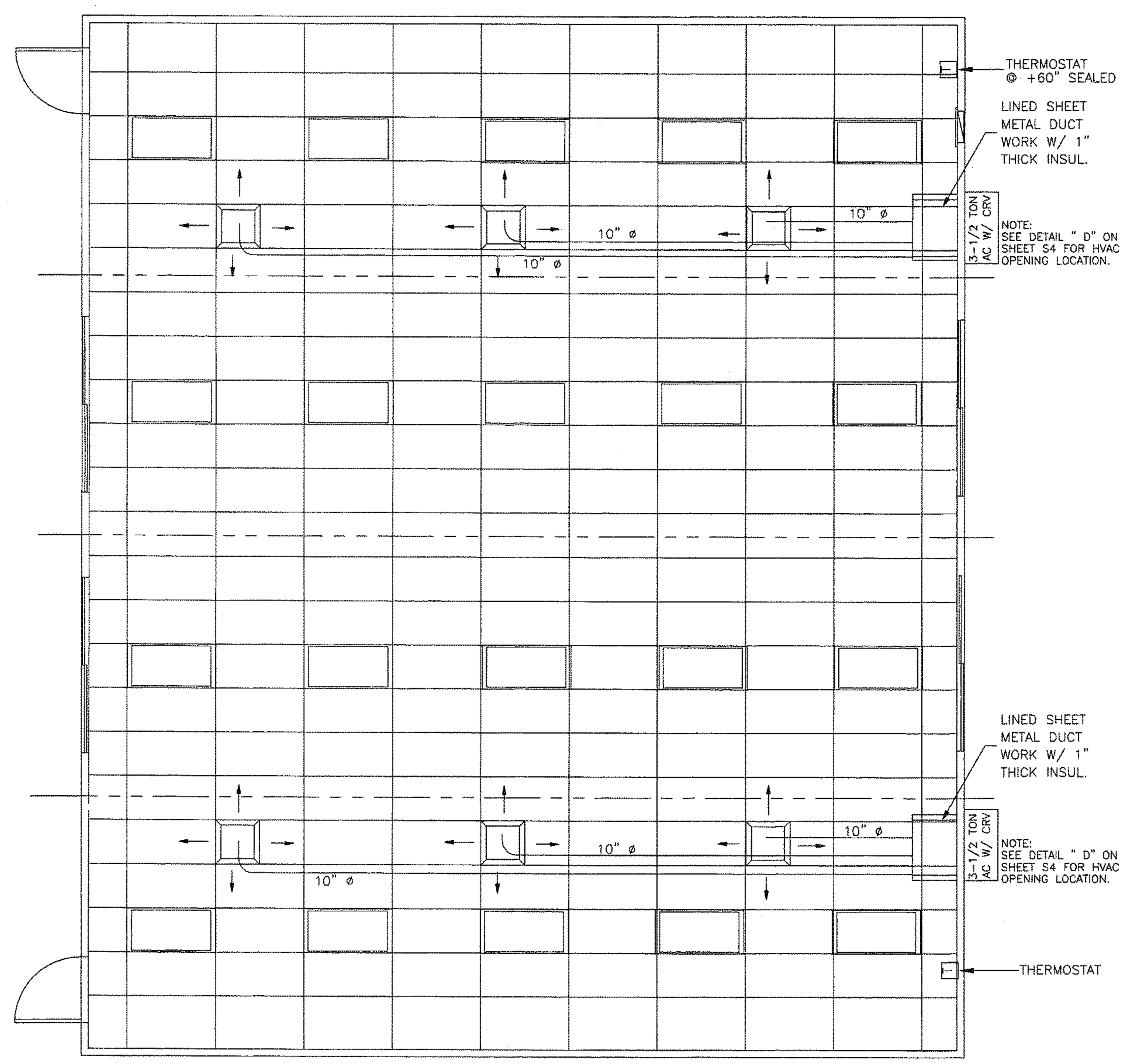
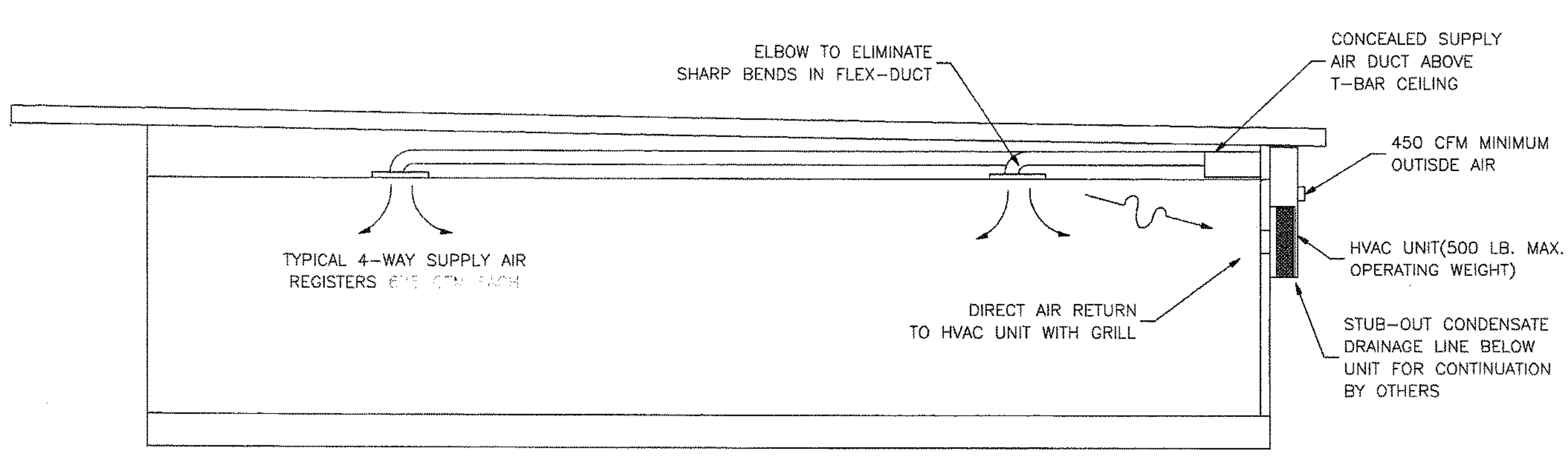
PROJECT No.

SHEET No.
M2



B / M1 HEAT/SUPPLY AIR DUCT LAYOUT

SCALE: 1/4"=1'-0"



A / M1 HEAT/SUPPLY AIR DUCT CROSS SECTION

SCALE: 1/4"=1'-0"

TITLE 24 ENERGY COMPLIANCE SUMMARY

PC # 02-104917

BUILDING DESCRIPTION: 48 X 40 Relocatable Building

Note: See Title 24 Energy Compliance Report Booklet for More Details.

Manufacturer: American Modular Systems

Zones: 14, 15 & 16

Envelope Measures

INSULATION	GLAZING
Roof: R-19 (Batt)	Panes: Dual U-Factor: 0.65
Wall: R-11 (Batt)	Frames: Metal SHGC: 0.34
Floor: R-11 (Batt)	Tinting: Solarban 60

Lighting Measures

Code:	Quantity:	Description:	Lamp/Ballast:	Total Watts:
A	20	(3) 4ft Fluorescent T8 Elec Tandem	F32t8 / Electronic	1,760

Controls for Credit: Occ Sensor > 250 sqft

Mechanical Measures

Modular:	Type:	Qty:	OSA:	Cooling Eff.:	Heating Eff.:
48X40	BARD WH602-A	2	1420	10.20 SEER	7.00 HSPF

HP T-Stat: ■ Electric Heat (KW): 0.0 kw Duct Location: Conditioned Space

Economizer: ☐ Duct Insulation: R-4.2

HVAC CFM CHART

MODEL NUMBER	DISCRIPTION	MAX. CFM
WH421-A	3 1/2 TON HEAT PUMP	1400
~~WH482-A~~	~~4 TON HEAT PUMP~~	~~1550~~
~~WH602-A~~	~~5 TON HEAT PUMP~~	~~1700~~

NOTE
STUB OUT LOCATIONS FOR WATER, WASTE AND GAS ARE DIAGRAMITICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT THE FACE OF THE BUILDING.

DUCT SUPPORT
Flex duct to be supported with 1-1/2" wide x 26 ga. galv. strap @ max 6'-0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1-1/2" wide x 26 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners.
Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

THESE DRAWINGS COMPLY
WITH THE ENERGY CONSERVATION REQUIREMENTS
OF TITLE 24 OF THE STATE OF CALIFORNIA

GENERAL NOTES
HEATING VENTILATING AND AIR CONDITIONING (HVAC)

1. Heat Pump: Single package wall mounted air to air electric heat pump unit shall be rated in accordance with ARI Standard 240-77.
   Reference
   Brands: BARD WH421A-XXXXXX W/ CRV
   ~~BARD WH482A-XXXXXX~~
   ~~BARD WH60A XXXXXX~~

   MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT

   All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards.

   A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer
   B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.
2. Ductwork.
   A.) Construct all ductwork of galvanized sheet metal in accordance with C.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 2'0" of HVAC unit.

   B.) Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 2' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure.
   Reference Brands: Owens-Corning fiberglass ducttboard, 1" thick, and Micro-aire, TYPE 475.
   Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.
3. Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.
4. Supply air diffusers shall be 675 CFM max. 12" round 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, or equal and 90- B: UL #131 test, class 1 rating with "SMACNA".
5. Registers and diffusers: Provide three (Min) 4-way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, Shoemaker, Barber-Coleman or Krueger commercial grade grills and registers
6. Air conditioning controls.
   Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.
   A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period.
   B.) Key board lockout switch.
   C.) Programmable display.
   D.) 2-hour override minimum.
   E.) Status Indicated Led's.
   F.) Battery back-up.
   Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers IF92-371. Mounted at +60" sealed typ.
7. Thermal insulation
   A.) Roof Insulation: R-19 Unfaced.
   B.) Walls Insulation: R-11 Kraft Faced.
   C.) Floors Insulation: R-11 Kraft Faced.
   Flame spread and smoke development shall conform to California Building Code sec. 707.
8. Factory-made air ducts. Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliancewith U.M.C. Standard No. 6-1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6-1.

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDE
No 2310
STATE OF CALIFORNIA

BASED ON PC 02-02-104917

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106184
AC ___ FLS RE SS ___
DATE 4/20/04

48 X 40 PC
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7016
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-511

MECHANICAL PLAN & NOTES

DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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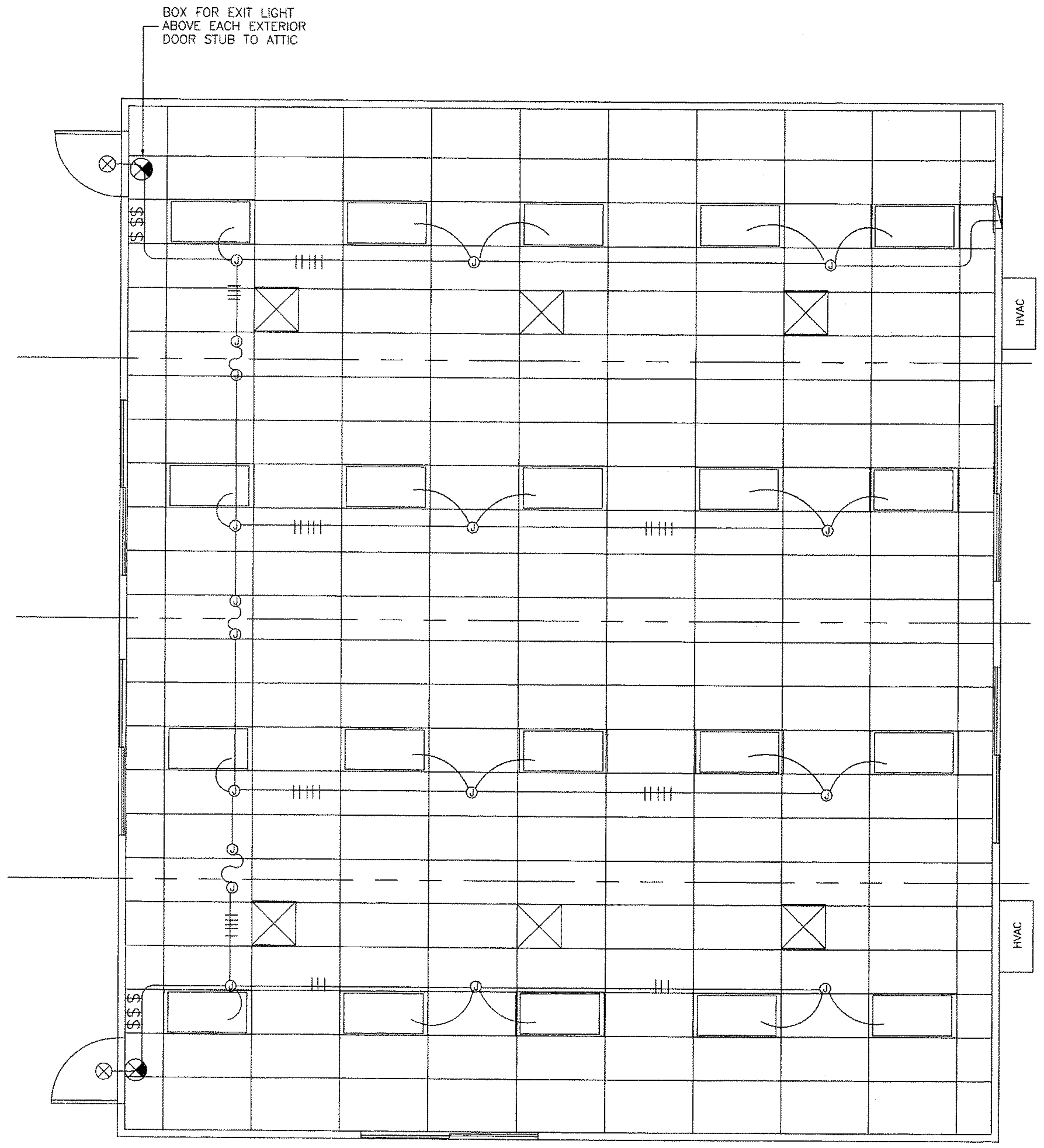
PROJECT No.

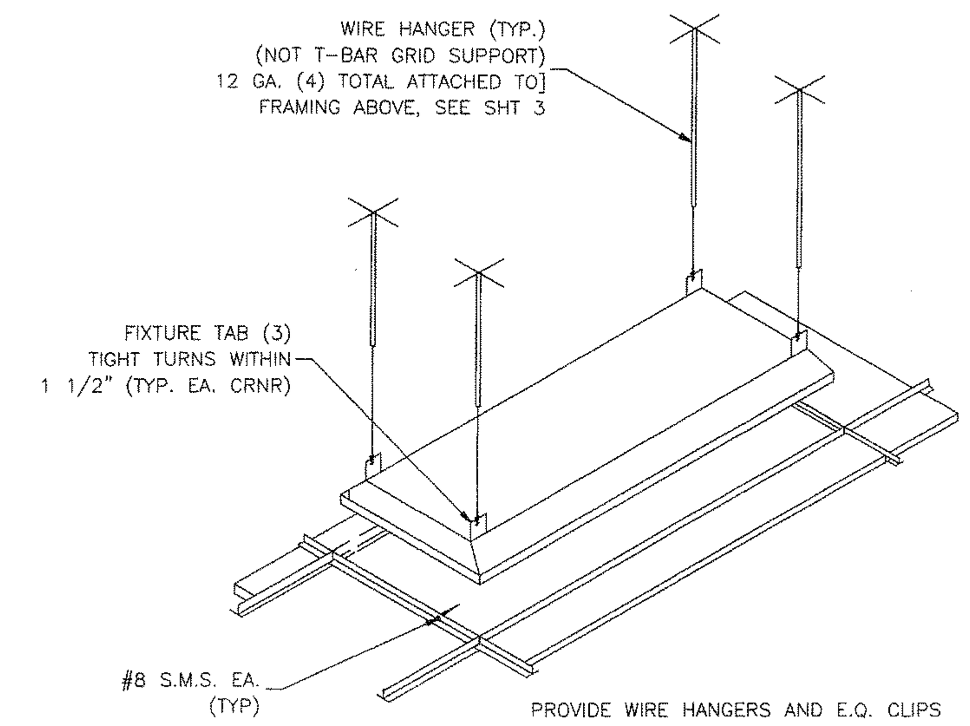
SHEET No.
M1



1 / E1 LIGHT FIXTURE PLAN
1/4" = 1'-0"

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE – RESCESSED.
- H.P.S. LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
- INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +18" TO CENTER LINE.
- SINGLE POLE LIGHT SWITCHES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1",#22 4"X2 "
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- a SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +18" TO CENTER LINE.
- JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
- PANELBOARD – SEE SCHEDULE.
- TERMINAL CABINET – SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- NOTE: BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, 3#14, 4#14 ETC. FOR OTHER SIZES AS FOLLOWS, 3#10, 4#6 ETC.
- (A) FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
- N.I.E.S. ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- [W.E.F.] WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- F FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"CENTERLINE
- FIRE ALARM HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" A.F.F. AND NOT LESS THAN 6" BELOW FINISHED CEILING.
- FIRE ALARM VISUAL ALARM– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96".
- SPEAKER– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
- INTERCOM TELEPHONE– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- M FIRE ALARM MINI HORN/STROBE – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +80" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.



SUPPORT DETAIL

PROVIDE WIRE HANGERS AND E.Q. CLIPS AS REQUIRED BY CALIFORNIA SEISMIC REGULATIONS CBC 2501.A.5 & IR. M-3

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
⊠	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. T-8 ELECTRONIC BALLASTS (3)35 WATT TUBES, WT. 27 LBS.	SP41 32 W	CRESCENT MASTER 24GP332FSA11KOYU1 SLAVE 24GP332FSA11XXXV6
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W TT 2700 K	ENERTRON 7026B-L OR OR EQUAL

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES.
FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

THE LIGHTS FOR EACH ROOM OVER 250 SQUARE FEET SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR. WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE. IN CONJUCTION WITH BI-LEVEL SWITCHING.

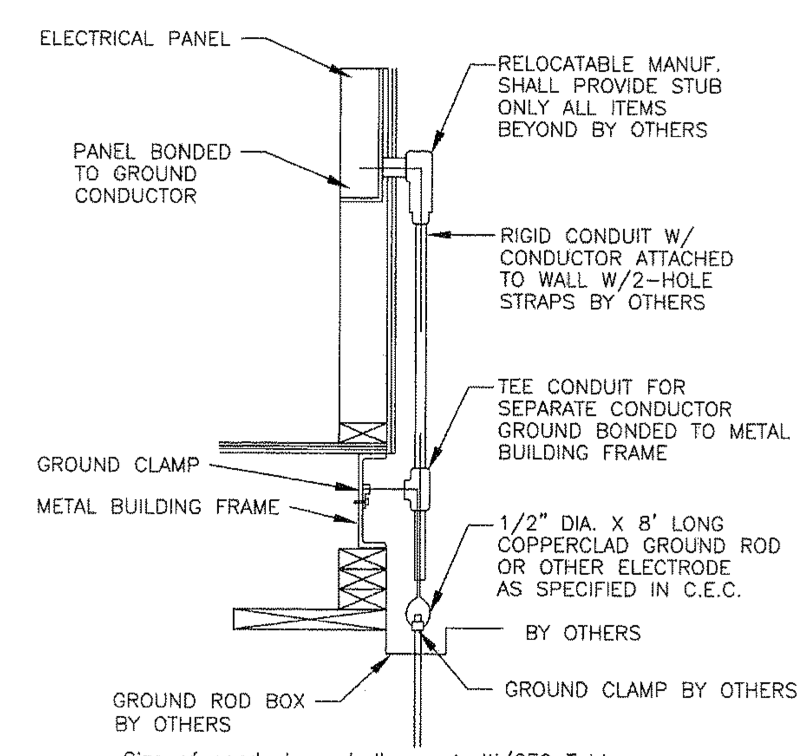
120/208 VOLT IN COMING POWER IS ACCEPTABLE

VOLTS: 120/240 SINGLE PHASE | PANEL: A | FEED: EXTERIOR LB
MAIN: 200 AMP MAIN BKR. | LOCATION: INTERIOR | MOUNTING: FLUSH

LOAD	WATTS A	WATTS B	BRK. AMP	BRK. P	CIR	CIR	BRK. P	BRK. AMP	WATTS A	WATTS B	LOAD
LIGHTS, FLUORESCENT	570		15	1	1	2	2	70	6600		A/C HVAC UNIT
LIGHTS, FLUORESCENT		570	15	1	3	4	2	70		6600	
EXTERIOR LIGHT & CLOCK	100		15	1	5	6	2	70	6600		A/C HVAC UNIT
DUPLEX RECEPT.		720	15	1	7	8	2	70		6600	
DUPLEX RECEPT.	720		15	1	9	10					SPACE
LIGHTS, FLUORESCENT		570	15	1	11	12					
DUPLEX RECEPT.	720		15	1	13	14					
DUPLEX RECEPT.		720	15	1	15	16					
LIGHTS, FLUORESCENT	570		15	1	17	18					
SPACE					19	20					
					21	22					
PHASE WATTAGE	2680	2580							13200	13200	PHASE WATTAGE

TOTAL WATTS "A"LEG: 15880 | TOTAL WATTS A+B=31660 | TOTAL WATTS "B" LEG 15780
TOTAL WATTS: 31660 | 132 AMPS | 120/240V | SINGLE PHASE | 200AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

3 / E1 ELECTRICAL DISTRIBUTION PLAN
1/4" = 1'-0"



Size of conductors shall comply W/CEC Table
Bond separate conductors from ground rod to electrical panel & metal building frame.
In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available.
Electrical bond modules together W/#8 CU @ modline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods as required. Grounding detail per DSA I-R M-3.
The inspector must witness the test.

A / E1 BUILDING GROUND DETAIL
N.T.S.

NOTE:
THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT AND SMOKE DETECTORS WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575

NOTE
STUB OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES. LOCATIONS SHOWN ARE DIAGRAMITICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.

BASED ON PC 02-104917

48 X 40 PC
RELOCATABLE
CLASSROOMS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-511

ELECTRICAL & LIGHTING PLAN & NOTES

DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

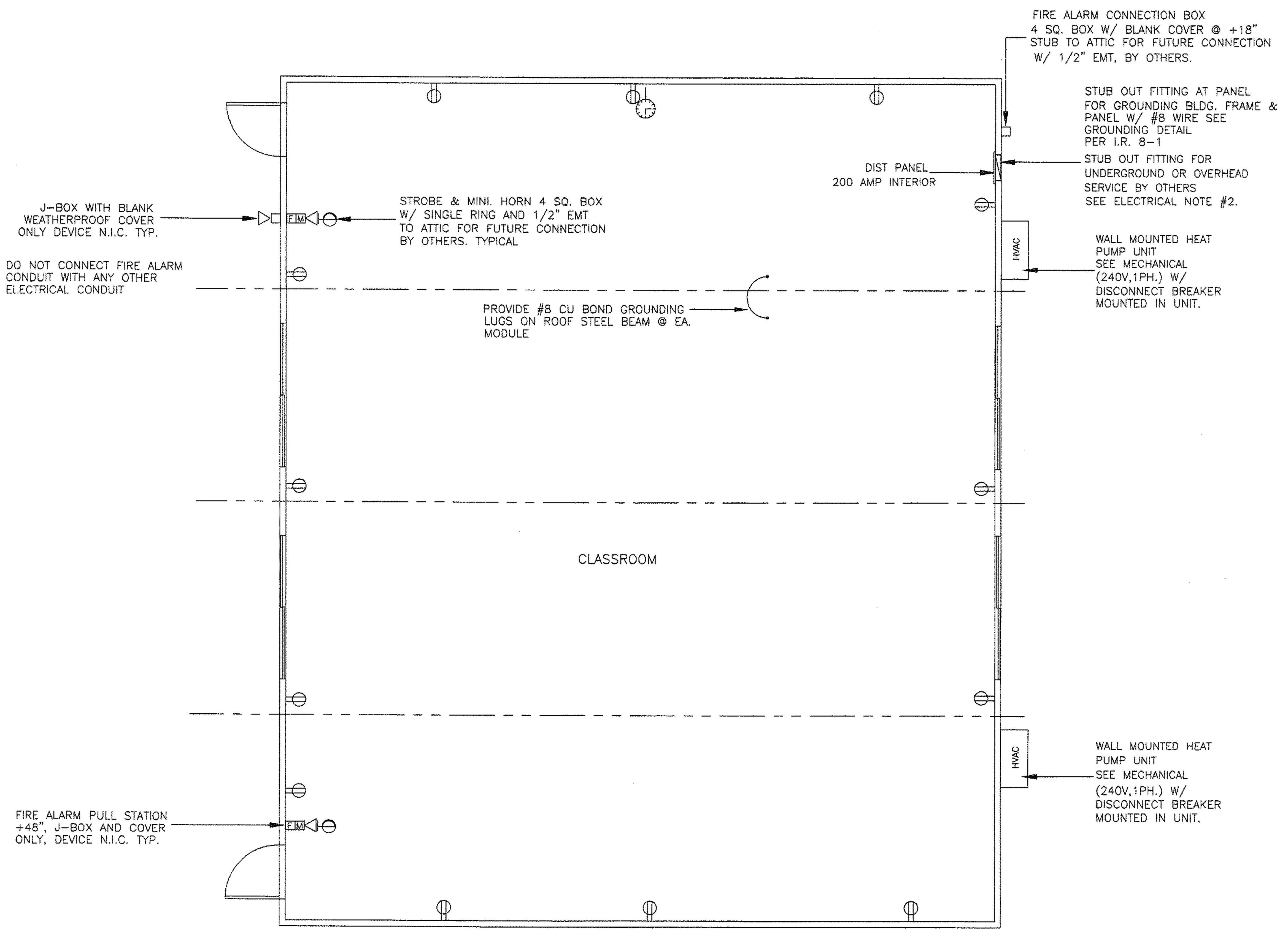
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

SHEET No.
E1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



2 / E1 ELECTRICAL PLAN
1/4" = 1'-0"

FIRE ALARM
Junction boxes – Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18– above finish floor for future connection.
Covers – Install gasketed, metal, waterproof, finish covers at exterior locations.

If testing results determine fire alarm audibility does not meet 15db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing anency

The H.V.A.C. unit feeder circuit – panel circuit breaker, feeder wire, unit disconnect and fuses (where used) – is to be coordinated with the name plate data at the time ofmanufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 60 degrees C. wire is to be used in this installation, calculations demonstrating ampacity be provided on the drawing.

STANDARD ELECTRICAL SYMBOLS

FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
FLUORESCENT LIGHTING FIXTURE – RESCESSED.
H.P.S. LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
DUPLEX WALL 20 AMP CONVENIENCE OUTLETS +18" TO CENTER LINE.
SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1",#22 4"X2 "
WALL CLOCK OUTLET WITH 3/4" EMT TO ABOVE CEILING +90".
a SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
20 AMP DUPLEX RECEPTACLE +18" TO CENTER LINE.
JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
PANELBOARD – SEE SCHEDULE.
TERMINAL CABINET – SIZE AND TYPE AS NOTED.
CONDUIT CONCEALED IN CEILING OR WALL.
CONDUIT CONCEALED BELOW FLOOR OR GRADE.
HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
NOTE BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, 3#14, 4#14 ETC. FOR OTHER SIZES AS FOLLOWS, $_{10}$ 3#10, $_{6}$ 4#6 ETC.
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FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
[W.E.F.] WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
50 AMP 250 VOLT RANGE RECEPTACLE.
[F] FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"CENTERLINE
FIRE ALARM HORN – OULET ONLY STUB TO CEILING – 4" SQ. BOX W/ SINGLE DEVICE RING,1/2"EMT AND W.P. COVER +90" A.F.F. STUB TO ABOVE CEILING W/ 1/2" EMT.
FIRE ALARM VISUAL ALARM– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96". IF CEILING MOUNTED PER NFPA72 TABLE 6-4.4.1(b).
[S] SECURITY KEY PAD– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING, 1/2" EMT STUB AND COVER +60"
DATA OUTLET– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +16"
FIRE ALARM MINI HORN/STROBE – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. STUB ABOVE CEILING W/ 1/2" EMT.

FIRE ALARM SYSTEM

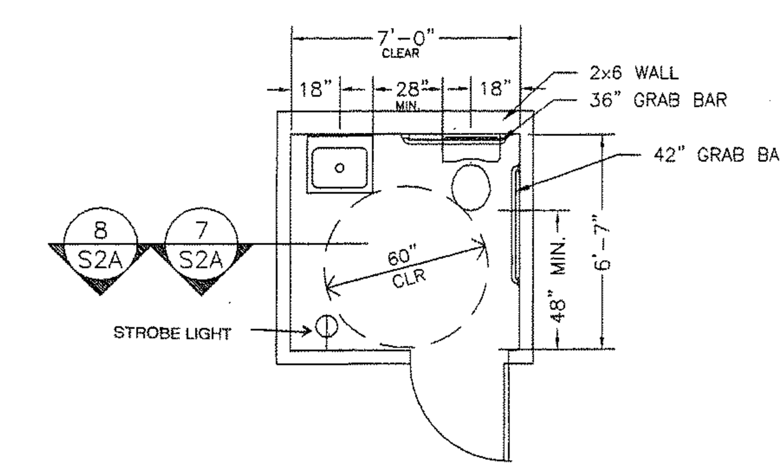
1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STAT ARCHITRCT.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC.
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:
1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE TITLE 24.
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

ELECTRICAL
1. Electrical service drop and connections supplied by others.
2. Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
3. Electrical panel board shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.
4. 2x4 Flourescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH-12, Carolite, Inc. #C-12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be .125 inch.
5. Flourescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
6. Clock – 12" dial clock on clock outlet.
   A) Clock shall be General Electric model 2912 129V 60 cycle
   B) Clock outlet shall be Bryant #2828 or equal with separable hanging clip & app'd recept.



6 / 4 RESTROOM FLOOR PLAN (OPTIONAL)
1/4" = 1'-0"

REGISTERED PROFESSIONAL ENGINEER JOHN H. LAWDER No 2310 Exp. 3-31-05 STRUCTURAL STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106184
AC ___ FLS ___ SS ___
DATE 4/20/04

BASED ON PC 02-104917

48 X 40 PC
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-511

ELECTRICAL PLAN & NOTES

DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
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△			△		
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PROJECT No.

SHEET No.
E2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

American Modular Systems Inc.

23-36 X 40 RELOCATABLE CLASSROOMS
MOBILE MODULAR MANAGEMENT

TEST AND INSPECTION LIST

TESTING LABORATORY: ______ DATE: ______

NAME: 23 BUILDINGS STOCKPILE 36X40 #04-906-444 THRU 466

DISTRICT/OWNER: MOBILE MODULAR MANAGEMENT CORP.

DIVISION-FILE NO. 39-0 APPLICATION NO. ______

ARCHITECT: JOHN H. LAWDER

STRUCTURAL ENGINEER: ______

STATE OF CALFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT

STRUCTURAL TESTS AND INSPECTIONS

ORS 103-1 (R 11/85)

The following tests and inspections, as checked, will be required as detailed in applicable specifications.

COMPACTED FILL	
	Fill material, acceptance tests
	Compaction control, continuous
	Compaction tests only as ordered
	Bearing capacity of compacted fill
REINFORCING STEEL	
	Sample and test bar steel
	Sample and test mesh
	Inspect placing at job
STRUCTURAL STEEL	
X	Sample and test as detailed below
	Shop fabrication inspection
	Field erection inspection
X	Inspection of welds – Shop
	Inspection of welds – Field
	Inspection of riveting or bolting – Shop
	Inspection of riveting or bolting – Field
	Sample and test high strength bolts and washers
BRICK AND BLOCK	
	Sample and test
	Test only
	Inspection of placing
	Core drill samples
GLUED LAMINATED STRUCTURAL LUMBER	
	Fabrication Inspection
	Sample and test steel accessories
	Inspect fabrication of steel accessories

CON-CRETE	GUNITE	GROUT	MORTAR	
				Test of aggregates for mix design only
				Suitability tests of aggregates as detailed below
				Mix designs
				Continuous batch plant inspection
				Inspect placing
				Sample
				Compressive tests
				Pick up samples at job
				Samples delivered to laboratory
				Deliver sample forms to jobsite
				Sample and test cement

SUITABILITY TESTS	CONCRETE MATERIALS	GUNITE	MORTAR	GROUT
Sodium sulphate				
Structural strength				
Los Angeles rattler				
Clay (Hydrometer method)				
Reactivity tests				
Volume change				

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH, PSI, MINIMUM 28 DAYS					
CONCRETE	1 1/2"	[illegible]					
CONCRETE	1 1/2"	[illegible]					

List of structural steel members to be tested:

3 1/2" x 3 1/2" x 1/4" SQ. COL.
C7X9.8
10 ga. & 12 ga. ROOF CEE
6 7/8" X 14 ga. FL. JOISTS
6 7/8" x 12 ga. ALT. FL. JOIST
6" x 14 ga. ROOF JOIST
4" x 12 ga. ROOF JOIST
3 1/2" x 10 ga. ALT. ROOF JOIST
2" x 16 ga. STRAPS
3" x 18 ga. ALT. STRAPS

TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2231.A.1

Other Tests and Inspections, together with special instructions:

GROUNDING TEST
EXPANSION ANCHORS
EPOXY ANCHORS

Copies of Reports to:

DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: ______
AUTHORIZED REPRESENTATIVE

INDEX

BUILDING DATA

CLASSROOMS
MMM SERIAL #04-906-444 THRU 466

OCCUPANCY	E-1/B → B OCCUPANCY USES TO MEET THE REQUIREMENTS OF CBC TABLE 3-A AND CBC TABLE 5-A
TYPE OF CONSTRUCTION	V - NON-RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS./SQ. FT.
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE) THIS STRUCTURE IS DESIGNED TO SUPPORT A FIRE SPRINKLER SYSTEM
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	1440 SQ FT
CLIMATE ZONES	1-15

2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

2001 CALIFORNIA BUILDING CODE, VOLUMES 1, 2 AND 3 (PART 2, TITLE 24, CCR)
(1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
(1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
(2000 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
(2000 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)

2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)

2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

NFPA 13, 1999 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED

NFPA 14, 2000 EDITION, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS

NFPA 24, 1995 EDITION, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES

NFPA 72, 1999 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED

MODULES	MOMENT-RESISTANT
SYSTEM	(3) 12' X 40' MODULES
FOUNDATION	WOOD
SEISMIC	ZONE 4 SEISMIC SOURCE A DISTANCE FROM SEISMIC SOURCE ≤ 2 KM SOIL TYPE S_D

No. 2310
Exp. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

CBC 2001

FILE NO. 39-0

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
04-106215
AC. ___ FLS. TH SS ___
DATE 4/28/04

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

BASED ON PC 02-104925

JOB NO.	
DATE: APRIL 23, 2004	
SHEET NUMBER	TS-1
BINDING ORDER	1

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A — GENERAL REQUIREMENTS

1. GENERAL
A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
2. SCOPE OF WORK
A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.

FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

FOUNDATION
1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.
NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.
3. WORK NOT INCLUDED
A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
4. WHEELS AND HITCH
SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. ACCESSIBILITY OF SITE
THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

TRIM/ FINISH NAILING

DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 1/4"	GALV
CASING, SILL & INT. CORNER TRIM	X	16g	1 1/4"	N
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

SECTION 5 STEEL
A. GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES. ~~CBC SECT. 2213A.4.1 SEE 1/S4~~
B. WELDING - ALL WELDING DONE ~~BY SHIELDED ELECTRIC-ARC~~ OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE OFFICE OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, CCR, SECTION 2231.A.5 WELDING ELECTRODE SHALL BE E70XX.
1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36 ~~UNLESS OTHERWISE NOTED~~
2. PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
C. ERECTION - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
D. NAILS, BOLTS, SCREWS AND NUTS ETC.- FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.
E. HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.
F. SHOP PAINT
1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.
G. TESTS
1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2, CCR SECTION 2231.A.1.

SECTION 6A — CARPENTRY
1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY
2. MATERIALS
LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER, 3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B.. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH UBC STANDARD 23-2. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
A. JOISTS, PLATES, STUDS-DOUGLAS FIR S4S #2 U.N.O.
NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
B. HEADERS, POSTS AND TIMBERS-DOUGLAS FIR S4S #1
C. BLOCKING - DOUG FIR #3, OR HEM FIR #3, OR STD. & BET.
D. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7 EACH PIECE SHALL BEAR AWPB STAMP. LP-22 GROUND CONTACT, D.F.#2 ABOVE GROUND.
E. PLYWOOD ROOF DECKING - SEE A/S3
F. PLYWOOD FLOOR DECKING - APA STURD-I-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8"NOM. OR EQUAL. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE.
G. EXTERIOR SIDING/SHEATHING - APA TYPE 303, EXTERIOR. OR HARDIPANEL FIBER CEMENT SIDING AS MFG. BY JAMES HARDIE BUILDING PRODUCTS NER-405 REPORT
H. MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 17-1 FOR KRAFT, 32-1 FOR FELT.
J. STUDS - S4S DOUG FIR #2, #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.
K. FASTENERS - ALL NAILS SHALL BE CORROSION RESISTANT PER C.B.C. COMMON NAILS FOR EXT. SIDING & FNDN. ONLY
L. BUILDING TRIM - 2X RESAWN SELECT D.F., H.F., OR CEDAR
M. DOOR/WINDOW TRIM - 1X4 REWAWN D.F., H.F., OR CEDAR.
N. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
O. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.
P. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
Q. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
3. WORKMANSHIP
A. FRAMING - SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBELED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
B. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE, TABLE 23A-11-B-1
C. EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
D. MACHINE APPLIED NAILING:
USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
E. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.
F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B — SHEET METAL
1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
2. MATERIALS INSULATED
A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
B. SOLDER - OF STAND, GRADE "A" OF EQUAL PARTSARD BRAND LEAD AND TIN ASTM B32.
C. FLUX - ZINC SATURATED MURIATIC ACID.
D. GUTTERS: 26 GA. G-90 GALV. STEEL.
DOWNSPOUTS: 2"X3" CONVOLUTED 30 GA. G-90 GALV. STEEL.
GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL.
GUTTER CLIPS: 18 GA. G-90 GALV. STEEL
3. WORKMANSHIP
SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C — METAL ROOFING
1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
2. MATERIALS
A. ROOFING - 3 INCH STANDING SEAM 22-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
B. ROOFING: CLASS B FIRE RATING

SECTION 7J — SEALANT
1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
2. MATERIALS
VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
3. WORKMANSHIP
SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION CONCRETE — CONCRETE (IF USED)

1. CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFED HEREIN.
2. REINFORCEING BARS: ASTM A615 OR ASTM A706 DEFORMED GRADE 40 BILLET STEEL.
3. EXPANSION JOINT FILLER: ASTM D994
4. FORM MATERIALS: SIDE FORMS DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER: OR METAL FORMS.
5. PLACING REINFORCEMENT, PLACING CONCRETE SUFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24.

ACCESSIBILITY STANDARDS

CALIFORNIA BUILDING CODE (PART 2, TITLE 24, CCR)
SEC. 1103B.1 BUILDING ACCESSIBILITY, GENERAL.
THE 2001 CBC REQUIRES THAT BUILDINGS EXCEEDING 10,000 SQUARE FEET ON ANY FLOOR MUST HAVE AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR, OR LIFT WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH STAIR AND EACH ESCALATOR.
TABLE 1115B-1 SUGGESTED DIMENSIONS FOR CHILDREN'S USE.
THE 2001 CBC REQUIRES A 27" MINIMUM DIMENSION FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK.
SECTION 1115B.7.1 (3) ACCESSIBLE WATER CLOSET COMPARTMENT.
THE 2001 CBC REQUIRES AN ACCESSIBLE TOILET STALL TO HAVE A MINIMUM WIDTH OF 60".
SECTION 1115B.8.2.4.1 WATER CONTROLS
THE 2001 CBC REQUIRES THAT THE FORCE TO OPERATE A WATER CONTROL (VALVE) FOR AN ACCESSIBLE SHOWER SHALL NOT EXCEED 5LBS. MAXIMUM FORCE (PULL).
Section 1117B.5 Signs and Identification (also refer to Sections 1003.2.8.1, 1003.2.8.2, 1003.2.8.4, 1003.2.8.5, 1003.8.6, 1003.2.8.6.1, 1003.3.3.13.1, 1003.3.1.10.)
The 2001 CBC makes several general design changes and clarifications to signage.
*All ground floor exit door shall have tactile exit signage.
*At stairs, each floor shall receive tactile "stair level" signage in addition to special tactile at the exit discharge level.
*Each exit door that leads to a grade level exit by means of a stairway shall have tactile exit signage.
*Each exit access door to a corridor or hallway that is required to have a visual exit sign shall be identified by tactile exit signage.
Section 1129B.4 (1), (2), (3) Accessible Parking Required.
The 2001 CBC requires the words "NO PARKING", in 12" height white letters, to be painted on the pavement within all parking space access aisles. Van parking access aisles shall be placed on the passenger side of the vehicle. Ramps may not encroach into any required access aisle. Parking space access aisles shall not exceed 2% slope in any direction.
*Existing Sites:
At existing sites, any ramp which exceeds a 2 access aisles for accessible parking spaces per CBCS Section 1129B, may required removal and redesign per the path of travel (POT) provisions of CBCS Section 1134B, in order to approve the building placement.
Section 1133B.2.5 Closer Effort to Operate Doors. & INTERIOR
The 2001 CBC requires that the effort to open an exterior door shall not exceed 5 pounds (pull).
The 2001 CBC requires that the sweep period of accessible doors shall be 3 seconds minimum, based on an open door position of 70 degrees (from closed), to a door position of 3" from the latch.
Sections 1133B.2.4.5 & 1133B.2.5.3 Recessed Doors.
The 2001 CBC requires that doors recessed 8" or more shall have strike edge clearances in accordance with Figure 11B-33 (c).
Section 1133B.4.2.6.2 Handrail Orientation.
The 2001 CBC requires that at least one handrail shall be parallel to the direction of the stair run, and perpendicular to the edge of the stair nosing.
Section 1133B.2.4.5 Ramp Width.
The 2001 CBC requires that sign edges less than 80" above the finished floor must contain rounded or eased radius minimum of 0.125"
California Building Standards Administrative Code (Part 1, Title 24, CCR)
Chapter 5, Articles 2, 3, & 4; California Building Code (Part 2, Title 24, CCR) Sections 1102A.3-C, 117A.4.7, 1102B, 1127B.5 (8), 1131B.4, 1133B.3, 1133B.4, 1133B.8.5).
Detectable Warnings.
The 2001 CBCSAC requires that detectable warnings shall be evaluated and approved by DSA, and that only DSA-approved products shall be installed. Refer to the DSA Bulletin: Independent Entity Evaluation and Approval of Detectable Warnings and Directional Surfaces dated October 31, 2002.
The project plans or specifications shall indicate the requirement that the manufacturer shall provide a written five-year product warranty, in accordance with the Bulletin.

SECTION 8B — HOLLOW METAL DOORS AND FRAMES
1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
2. MATERIALS
A. DOORS - LABELED, INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1 3/4" THICK PER CS242 MIN, REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
B. FRAMES - LABELED 16 GA COLD ROLLED, 2" FACES, CS242 MIN.3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
3. WORKMANSHIP
ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARDP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION, DOORS AND FRAMES CLEANED THOUROUGHLY, ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

FINISH HARDWARE
SEE SHEET 1

SECTION 9E — PAINTING
1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
2. MATERIALS
A. FOR EXTERIOR WOOD:

REF.BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	42-9M	1240	Y24W20	289-N
FINISH	QD-60-XX	1240-XXX	B54WZ102	GE2-NXX

B. FOR INTERIOR TRIM

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
FINISH	W450-XX	1650-XXX	A26W11	40XX

C. FOR METAL

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	43-4	1710	B50NZ6	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX

3. WORKMANSHIP
ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
A. EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
B. INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
C. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH: APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
D. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
E. RAMP - ONE COAT OF FERROX NON-SLIP (0.7 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A DATED JULY 1989. OR EQIAL.
F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F — SITE ASSEMBLY
1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ASSEMBLY OF ELEMENTS
A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT, (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:
WALL FINISH MATERIAL
FLAME SPREAD MAX = 200
SMOKE DENSITY MAX = 450
BUILDING INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

SECTION 15A — AIR CONDITIONING
1. SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES)
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
2. EQUIPMENT
SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
3. WORKMANSHIP
UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A — ELECTRICAL
1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
2. MATERIALS
ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
A. ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX- GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
B. PANELBOARDS - FLUSH MOUNTED.
C. CONDUCTORS - COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES, MINIMUM SIZE- #14.
D. RECEPTACLES - AS NOTED. +18" A.F.F. MIN.
E. CLOCK RECEPTACLE - AS NOTED.
F. SWITCHES - AS NOTED. +48" A.F.F. MAX.
G. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.
3. WORKMANSHIP
MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.
BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR(N.I.C.).(FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION
INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

1. IN-PLANT INSPECTION.
2. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT, IF NECESSARY.
THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF AY MODULE.
ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP
ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONT BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MA SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRU RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE W WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:
THREE (3) APPROXIMATELY 12' X 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"X1 -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

1. MANUFACTURER'S BUILDING NUMBER.
2. DESIGN WIND LOAD / EXPOSURE
3. DESIGN ROOF LIVE LOAD
4. DESIGN FLOOR LIVE LOAD
5. D.S.A. APPLICATION NUMBER.

2-TAGS PER MODULE ONE ON EXTERIOR AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH 12' X 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

DIMENSIONS
THE BUILDINGS SHALL OCCUPY AN AREA OF 1440 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. THE BUILDINGS SHALL BE 36' X 40'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINER DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.

FASCIA AND REQUIRED OVERHANGS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 5' MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2' OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE SIDES OF EACH OVERHANG AND EACH ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT, FLOOR TO CEILING SHALL BE 8'-6" U.O.N.
THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.

ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DEPENDING ON THE AGREEMENT WITH DISTRICT.

IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT SPECIFICATIONS SHALL PREVAIL.

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DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
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DATE: 12/24/2020

REGISTERED PROFESSIONAL ENGINEER
No. 2310
Exp. 3-31-05
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 106215
AC FLS SS
DATE 4/28/04

FILE NO. PC
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-104925
AC FLS SS
DATE JUL 31 2003

36 X 40 PC
RELOCATABLE
CLASSROOMS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

LICENSED ARCHITECT
No. C 12631
Ren. 5-31-05
STATE OF CALIFORNIA

CUSTOMER:

GENERAL NOTES AND SPECIFICATIONS

DATE: 04-28-03
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

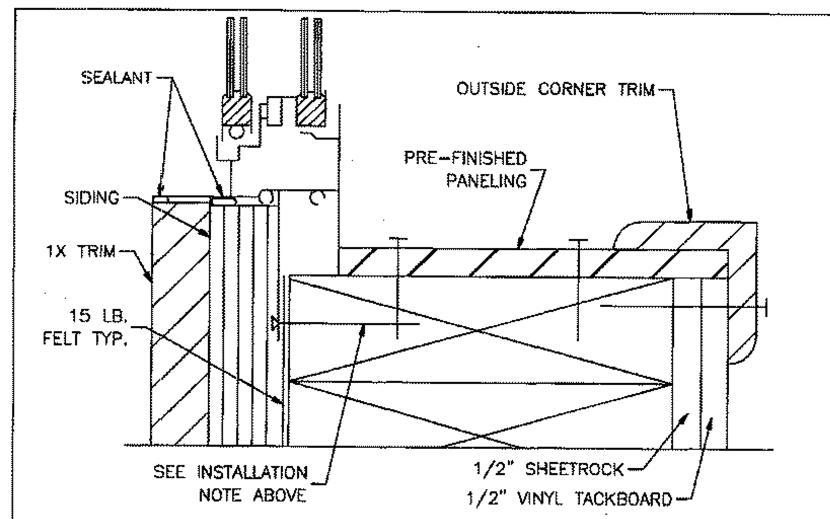
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

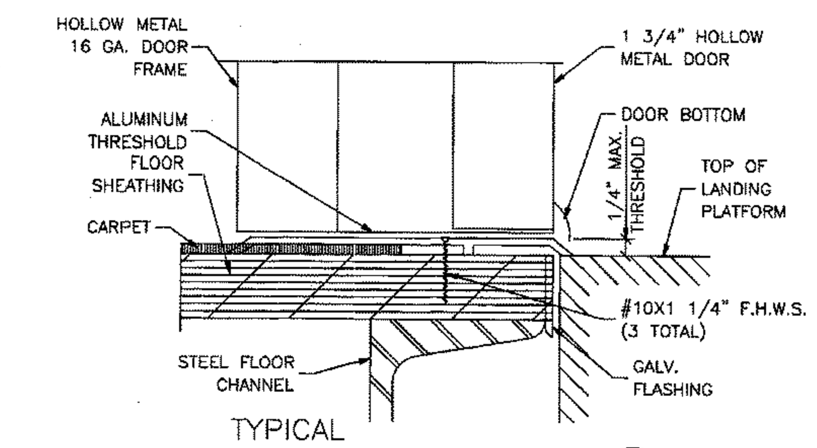
PROJECT No.

SHEET No.
N-1

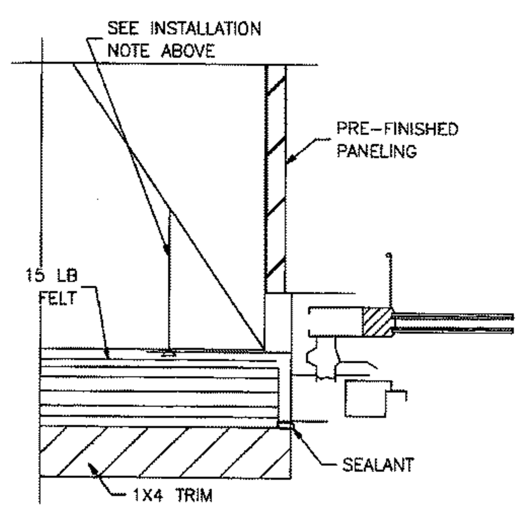
TYPICAL EXTERIOR WINDOW INSTALLATION NOTE:
SEE MANUF. SPECS FOR INSTALLATION
USE .131" X 2 1/2 " @ 16" O.C. VERTICALS
USE .131" X 2 1/2" @ 24" O.C. HORIZONTALS



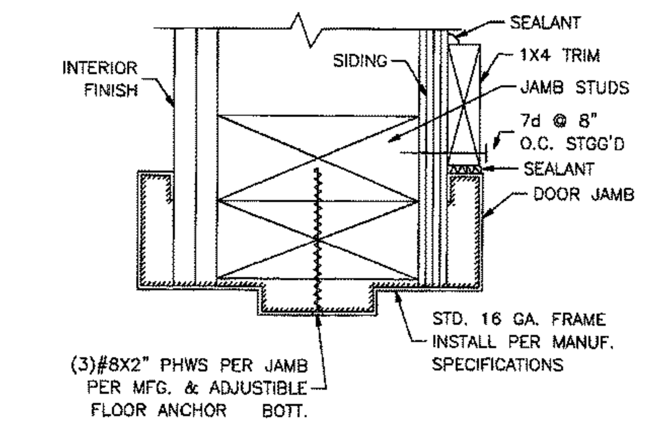
WINDOW SILL DETAIL 1/1
NO SCALE



TYPICAL EXTERIOR DOOR SILL 4/1
NO SCALE



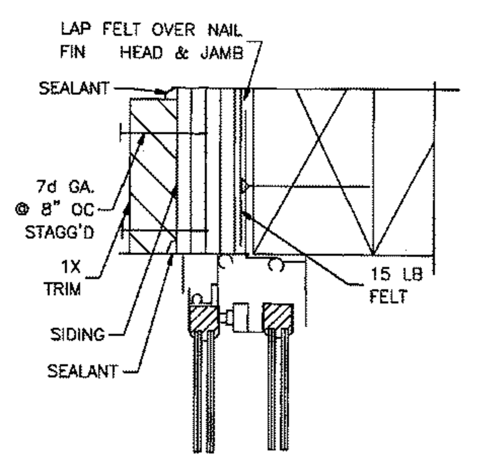
WINDOW JAMB 2/1
NO SCALE



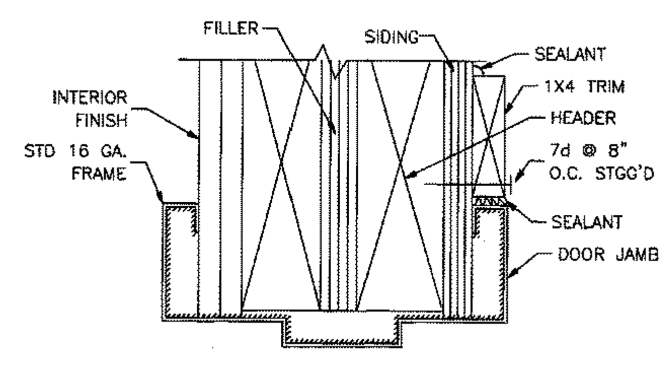
TYPICAL EXTERIOR DOOR JAMB 5/1
NO SCALE

NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.

1:12 MAX SLOPE



TYPICAL WINDOW HEAD 3/1
NO SCALE



TYPICAL EXTERIOR DOOR HEAD 6/1
NO SCALE

NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.

CAPACITY POSTING
C.B.C. SECTION 1002.3
TITLE 19 C.C.R., SECTION 3.30
THIS ROOM SHALL BE POSTED WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM. THE SIGN SHALL BE WORDED AS FOLLOWS:

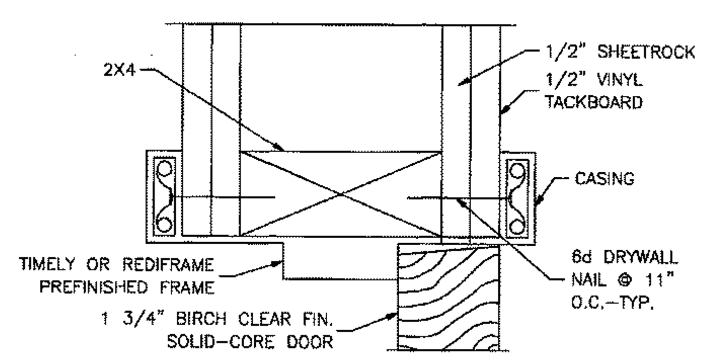
1'-6"
8"
+5'-0"

THE NUMBER OF PEOPLE PERMITTED IN THIS ROOM SHALL NOT EXCEED
BY ORDER OF THE STATE FIRE MARSHAL.

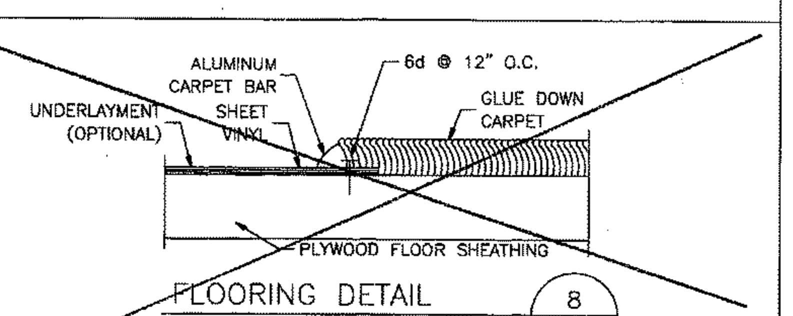
TYPESTYLE: 1" HIGH BLOCK
1/16" THICK ENGRAVED PLASTIC
MOUNTING: (4)#8x1" SCREWS.

OCCUPANT LOAD SIGN

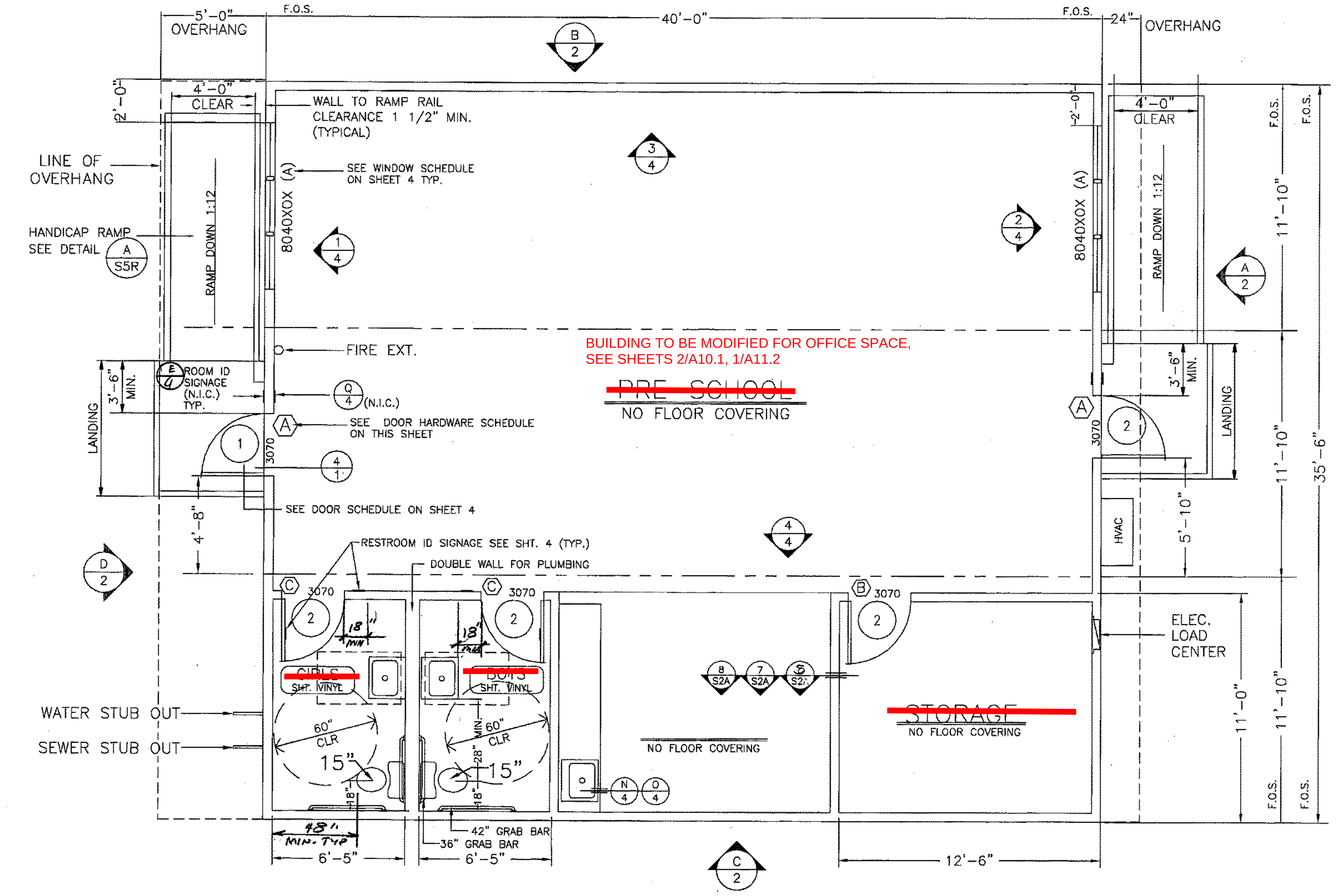
THIS SIGN WILL ONLY BE USED IF REQUIRED FOR SPECIFIC APPROVAL.



TYPICAL INTERIOR DOOR HEAD/JAMB 7/1
NO SCALE



FLOORING DETAIL 8/1
NO SCALE



36 X 40 FLOOR PLAN

MIRA VISTA MMM#04-906-444
BAYVIEW MMM#04-906-445

SCALE: 1/4"=1'-0"

NOTES
INTERIOR

1. Floor: Carpets – Units shall ... indicated on floor plan with ... type per State of California ... Group 1, Type A, Class 26. ... Architect after award of bid. ... 4600 minimum. Pile yarn s... cross seams shall be allowe...

2. Base: Resilient Cove Base – ... rubber, 1/8" thick, 4" high, moulded top set
Cove: Provide preformed base for square external corners and preformed end stops where base does not abut. Solid color as manufactured by "Johnsonite Co." , Flexco, or equal. Apply cove to complete perimeter of classroom.

3. Interior walls shall be vinyl covered tackboard(u.o.n.) applied in one continuous length from floor to ceiling. The tackboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The board shall be asphalt free, shall have an ironed-on coating and shall have a minimum density of 18 lbs. per ft. The vinyl coating shall be made of virgin vinyl calendered base color, weighing a minimum of 8 oz. per square yard. The coating backing shall be sheeting or non-woven fabric. The vinyl coating shall be mechanically laminated, with the long edges wrapped, to the tackboard. Tackboard shall be applied over 1/2" sheetrock or plywood sheathing. The vinyl wall covered panel shall have a Class III flame spread rating. The panel shall be approved for classroom use by The California State Fire Marshal. Reference brand: Vinyl covered tackboard as manufactured by Chatfield-Clarke or comparable. Care shall be taken in mounting the tackboard so that the texture of all panels will have the same orientation and color match.

4. Ceiling: Suspend T-Bar System, see sheet 3 for details etc. Materials and installation per CBC 2501.A.5 and IR #M-3 inclusive as applicable to classrooms.

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SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

DOORS & WINDOWS

Exterior Doors: Metal Doors – 3'-0"x7'-0" hollow metal door construction of 1 sheet of 18 ga. steel assembled per CS242 min and reinforced with 20 ga. min. continuous vertical steel stiffeners spaced @ 6" O.C. Fill spaces between stiffeners with mineral wool or other insulation. (Reinforce both faces for closure) provide flush top on doors. Hardware reinforcement shall be 10 ga. min for hinges, door frame shall be 16 ga. pressed steel frame ASTM A366 & C5242. Hardware reinforcement shall be 10 ga. plate. Frames shall be designed with integral stop and trim. Provide (3) anchors per jamb plus adjustable floor anchor.

Interior Doors: 3'-0"x7'-0" Birch clear finish solid core door.

Exterior Windows: Provide anodized aluminum frame 5/8" minimum dual pane window units, as shown on floor plans. The 5/8" dimension is the minimum thickness for the dual glazed window panel consisting of two lights of glass and the air space. Glazing material shall be:

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 45% maximum.

Interior Lite – 1/8" minimum clear tempered.

Minimum air space shalle be 1/4".

Space – Bent or sealed corner aluminum with desiccant fill

Sealer – Butyl primary seal and polysulfide of silicone secondary seal.

Certification – All glazing to be certified in accordance with ASTM E-773, E-774.

Header height shall be the same as the door. All operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the AAMA GS101-88 voluntary spec. For aluminum prime windows and sliding glass (ANS1), commercial grade.

DOOR HARDWARE SCHEDULE	
A	EXTERIOR DOOR PANIC BAR W/ PULL ON EXTERIOR VON DUPRIN 22Lx230NL
B	INTERIOR PASSAGE LOCK SCHLAGE AL10 W/ SATURN LEVER
C	INTERIOR PRIVACY LATCH SCHLAGE A40S W/ SATURN LEVER

Exterior Door
A) Hinges: Hager 4-1/2X4-1/2 butts, BB1279 US26D,1-1/2 pair each door with set screw in barrel and ball bearing design
C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal, (5 lbs. max. pressure)
D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra WS007, at door jambs and head or equal.
E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.

FIRE EXTINGUISHER

1. Each portable classroom shall be equipped with pressure type fire extinguishers with 2AIOBC UL rating. To be mounted on the interior wall of the building near the doorway(s) at a height of 4 feet to mounting bracket. Fire extinguishers shall be totally charged and have a dial indicating the state of charge.

CHALKBOARD SPECIFICATIONS

Chalkboards shall have green facing sheet suitable to accept white or yellow chalk and felt erasers.

Markerboards shall be 5 mil thick melamine facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated, using hot melt adhesive, to a medium density particleboard substrate with a minimum density of 45#/c. ft. The panel shall have a foil backing. The panels shall have extruded aluminum molding and chalkrail with a minimum of 2-15/16" projection from the face of the panel. A full length map rail shall be provided with cork insert and end stops. The map rail and chalkrail are to incorporate a channel to wrap around the panel. Three (3) map hooks, with clips, perpanel shall be provided. One flag holder, 1/2" size, shall be provided for each classroom. Each classroom shall be 2 ea. 4x8 panels installed side by side to make a 4x16 panel, centered on one of the long walls. Referenced brand: Chatfield-Clarke Co. series 500. Attach directly to studs and blocking W/#8x3" oval head wood screw @ 32" o.c. horizontally and @ 24" o.c. vertically.

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
No. 2310
STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106215
AC FLS SS
DATE 4/28/04

BASED ON PC 02-104925

KENSINGTON 36X40's MMM SERIAL #04-906-450 THRU 452

36 X 40 PC
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT

FLOOR PLAN & NOTES

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

SHEET No.
1

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APP: 01-119005 INC:
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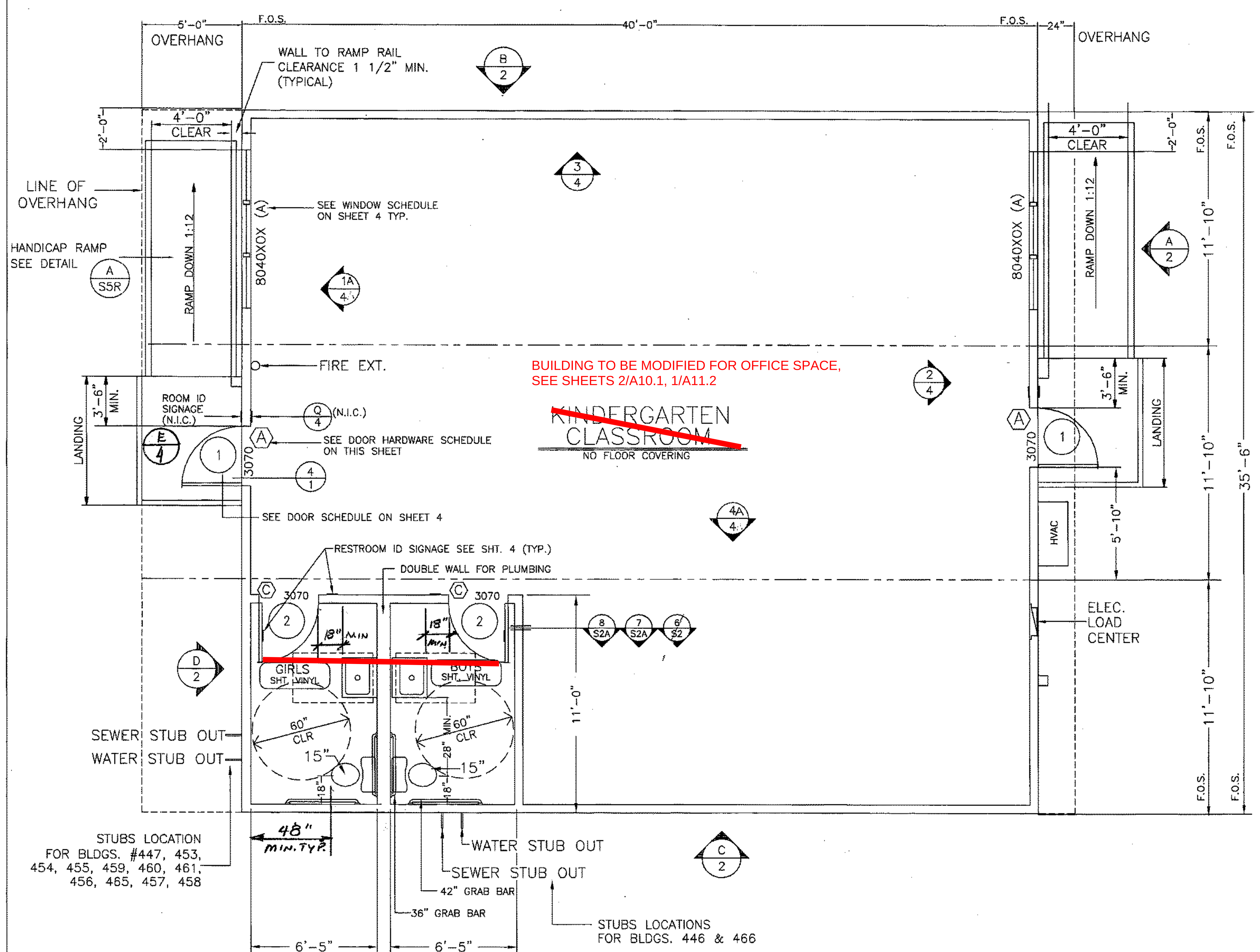
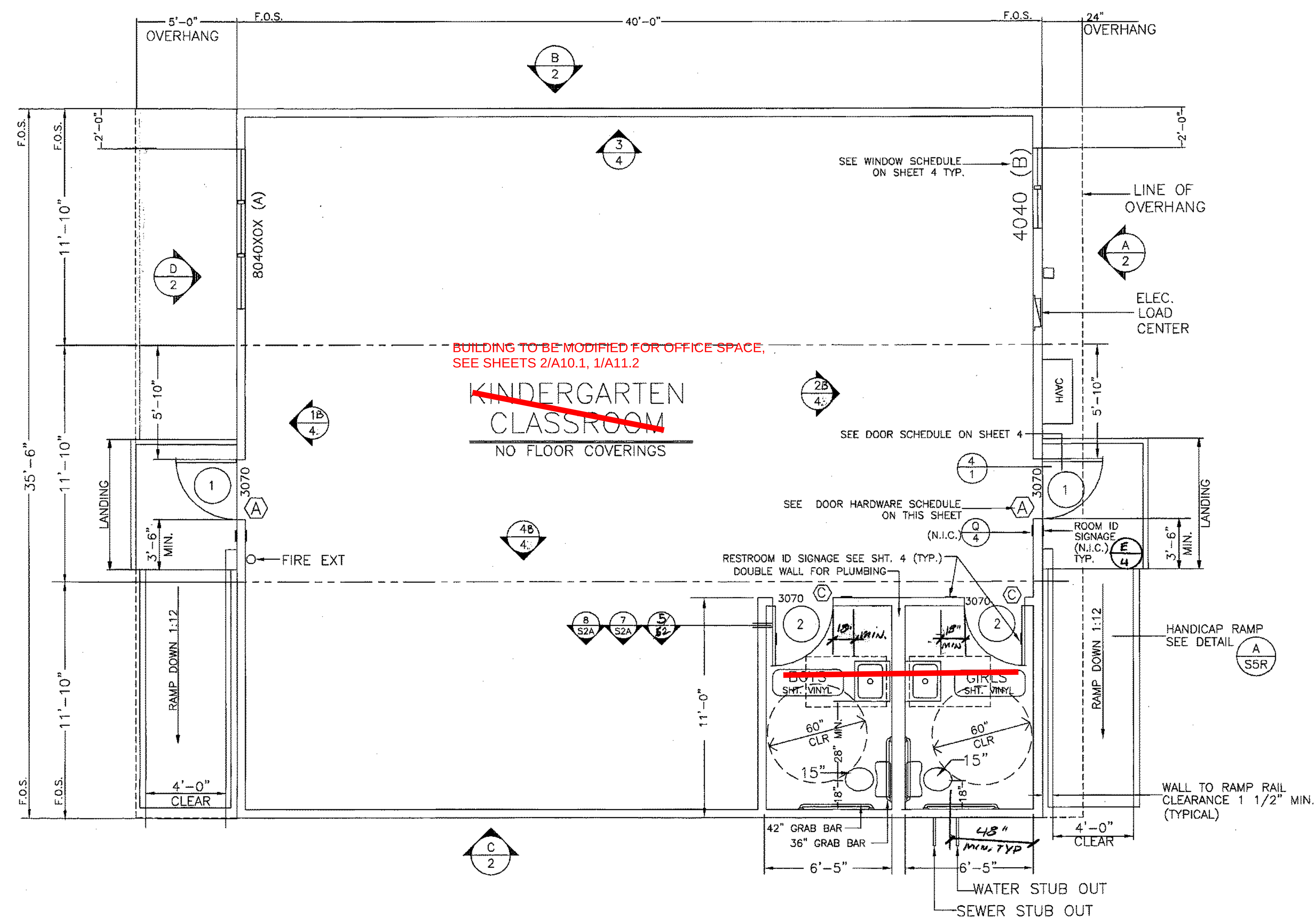
DATE: 12/24/2020



FLOOR PLAN

SCALE: 1/4"=1'-0"

WASHINGTON MMM#04-906-446 & 447
SHELDON MMM#04-906-453 THRU 455
BAYVIEW MMM#04-906-459 & 460
TARA HILLS MMM#04-906-461 & 466
MIRA VISTA MMM#04-906-456 THRU 458 & 465



FLOOR PLAN

MURPHY MMM#04-906-448

SCALE: 1/4"=1'-0"

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
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BASED ON PC 02-104925

36 X 40
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787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANGEMENT

FLOOR PLAN & NOTES

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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PROJECT No.

SHEET No.
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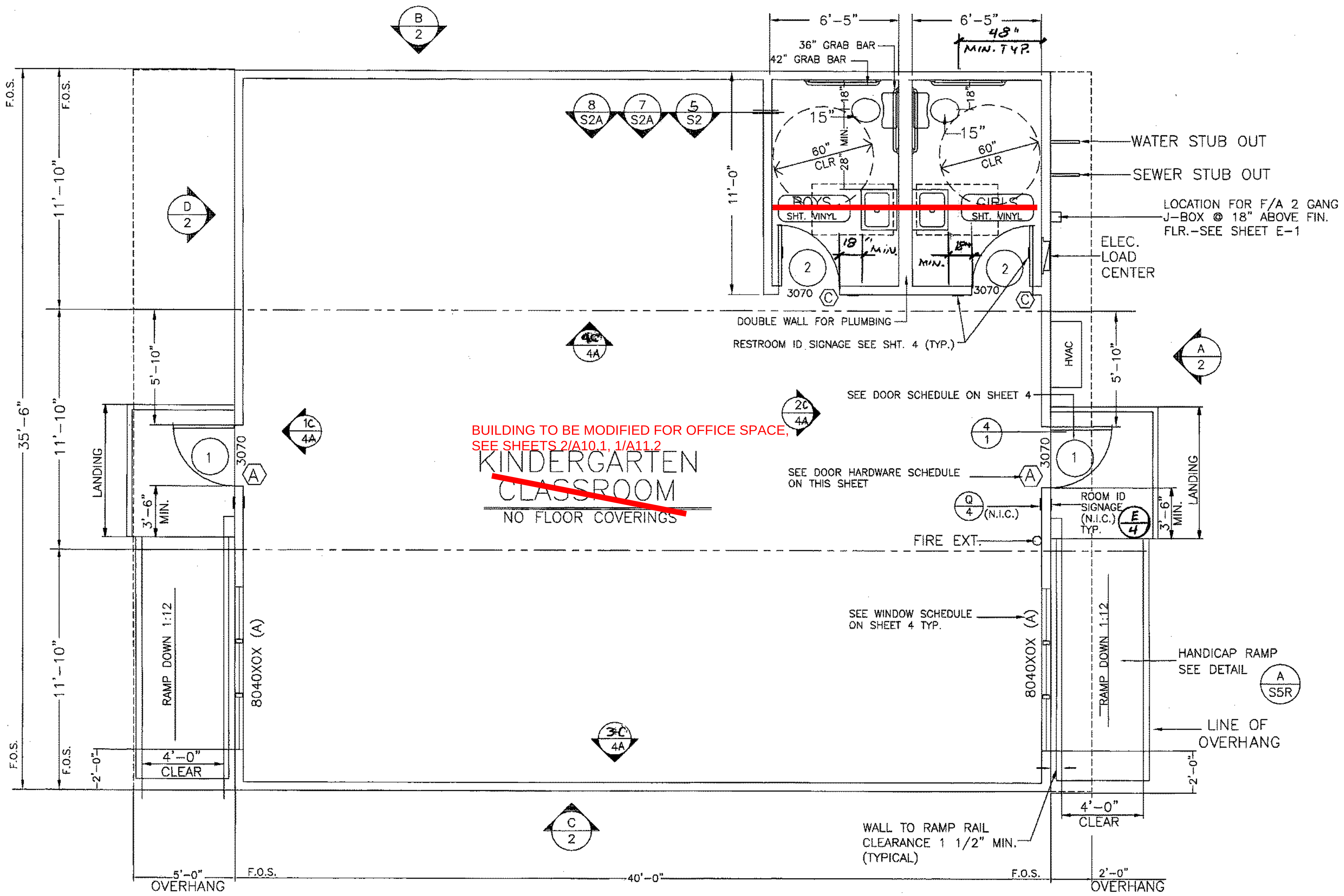
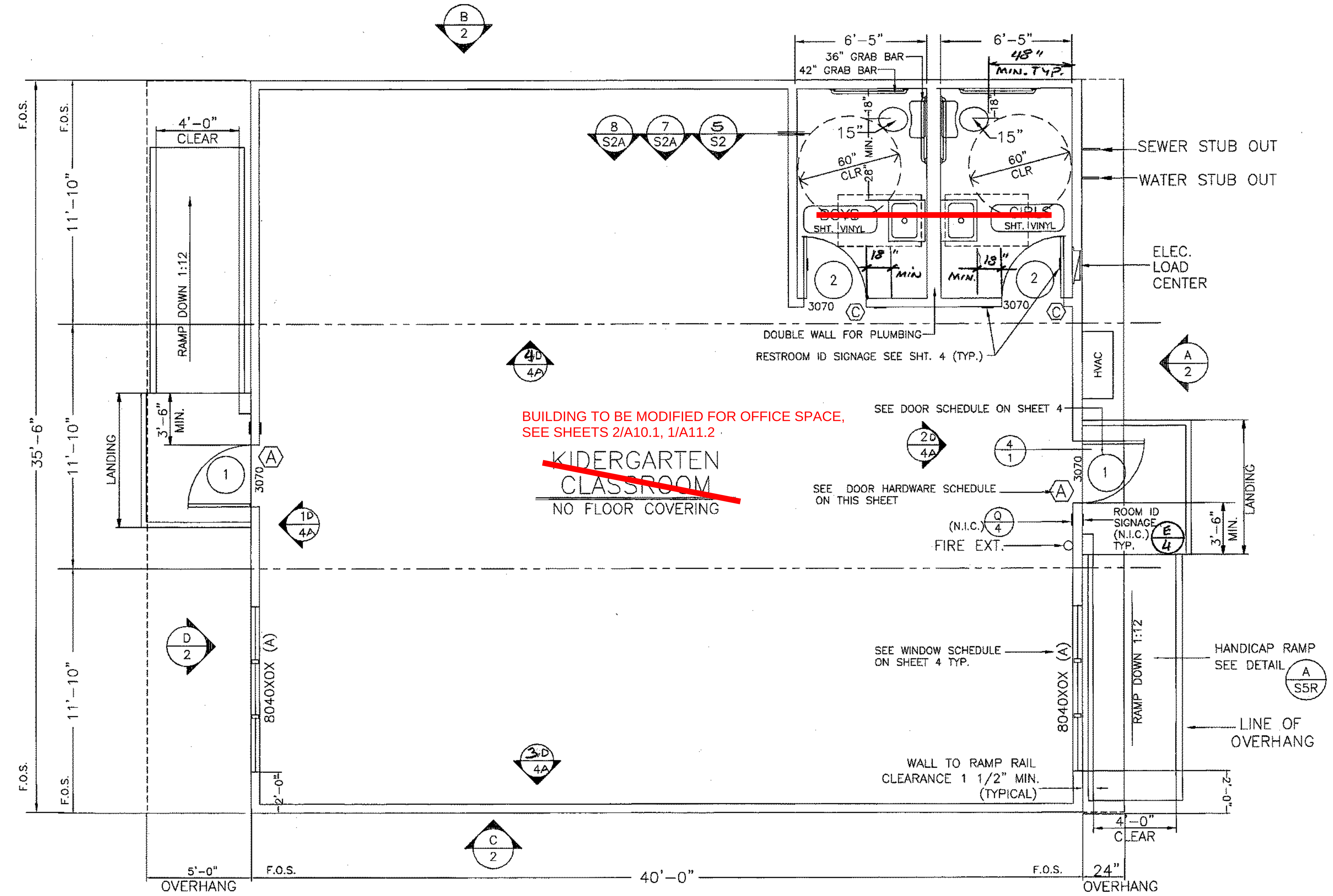
DATE: 12/24/2020



FLOOR PLAN
MURPHY MMM#04-906-449 SCALE: 1/4"=1'-0"



FLOOR PLAN
TARA HILLS MMM#04-906-462 SCALE: 1/4"=1'-0"

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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DATE 4/28/04

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787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7016
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANGEMENT

FLOOR PLAN & NOTES

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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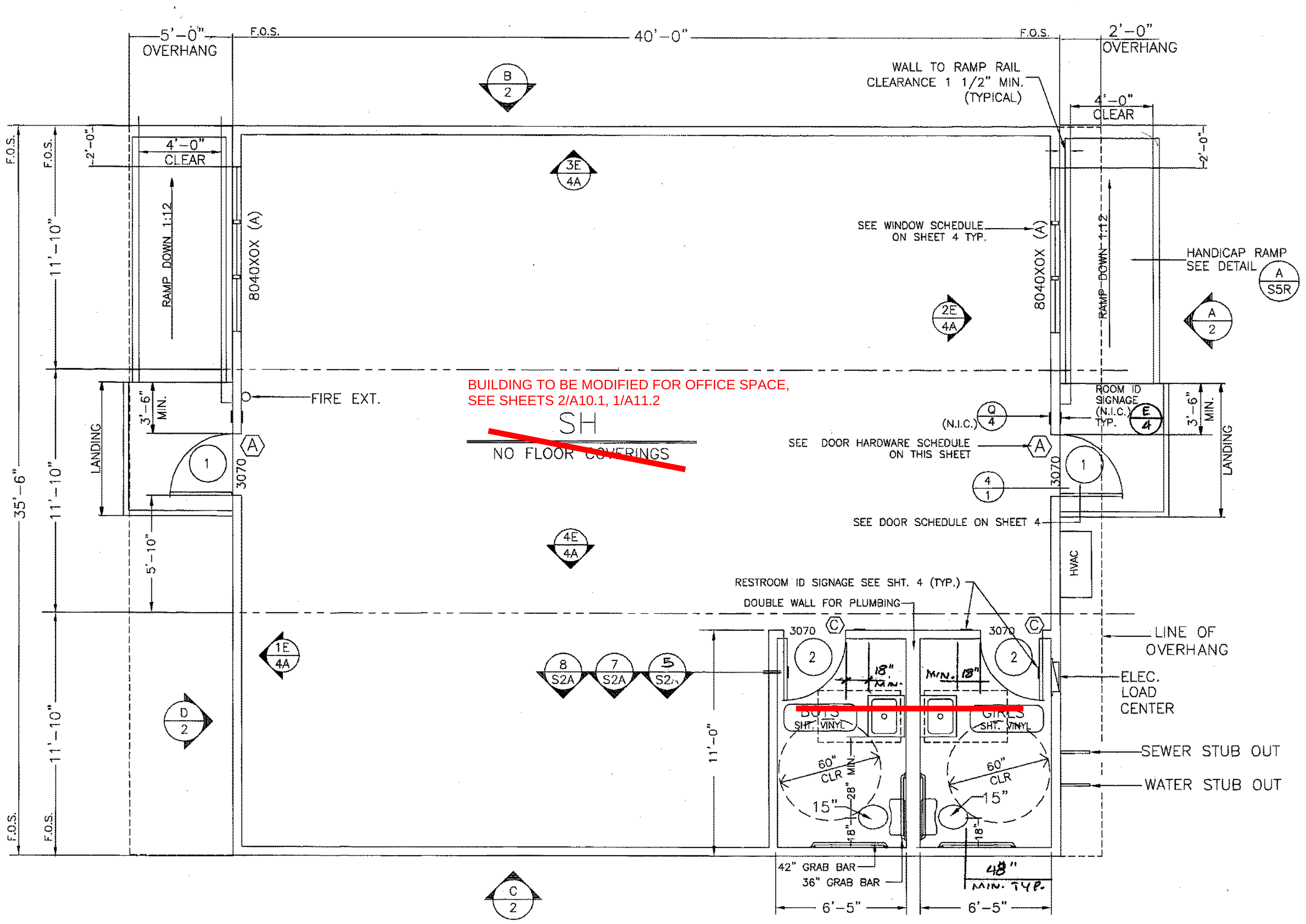
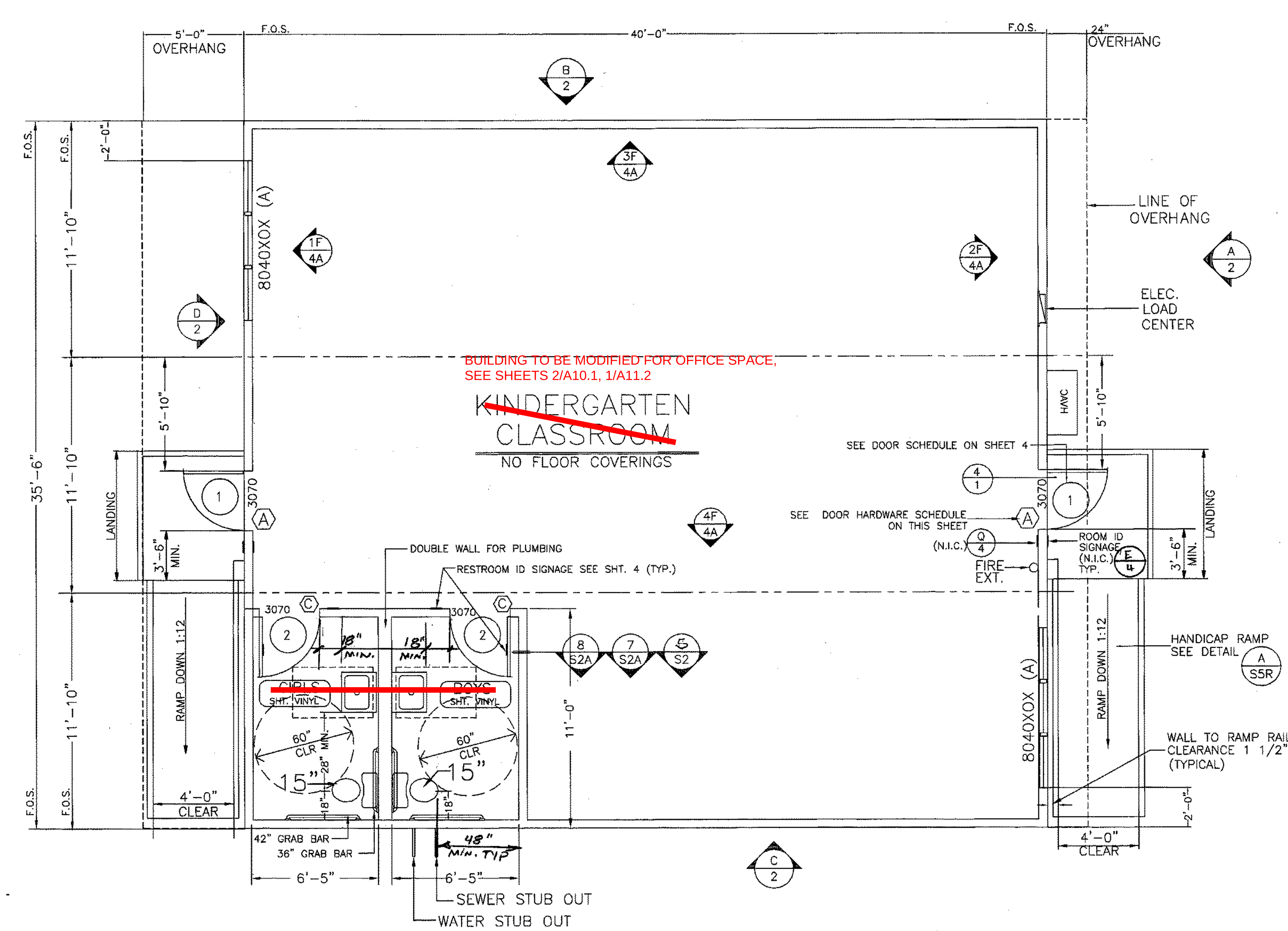
DATE: 12/24/2020



FLOOR PLAN

MURPHY MMM#04-906-463

SCALE: 1/4"=1'-0"



FLOOR PLAN

MURPHY MMM#04-906-464

SCALE: 1/4"=1'-0"

FILE NO.
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DATE 4/28/04

REGISTERED PROFESSIONAL ENGINEER
No. 2310
STATE OF CALIFORNIA

BASED ON PC 02-104925

36 X 40
RELOCATABLE
CLASSROOMS

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787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANGEMENT

FLOOR PLAN & NOTES

DATE: 03-02-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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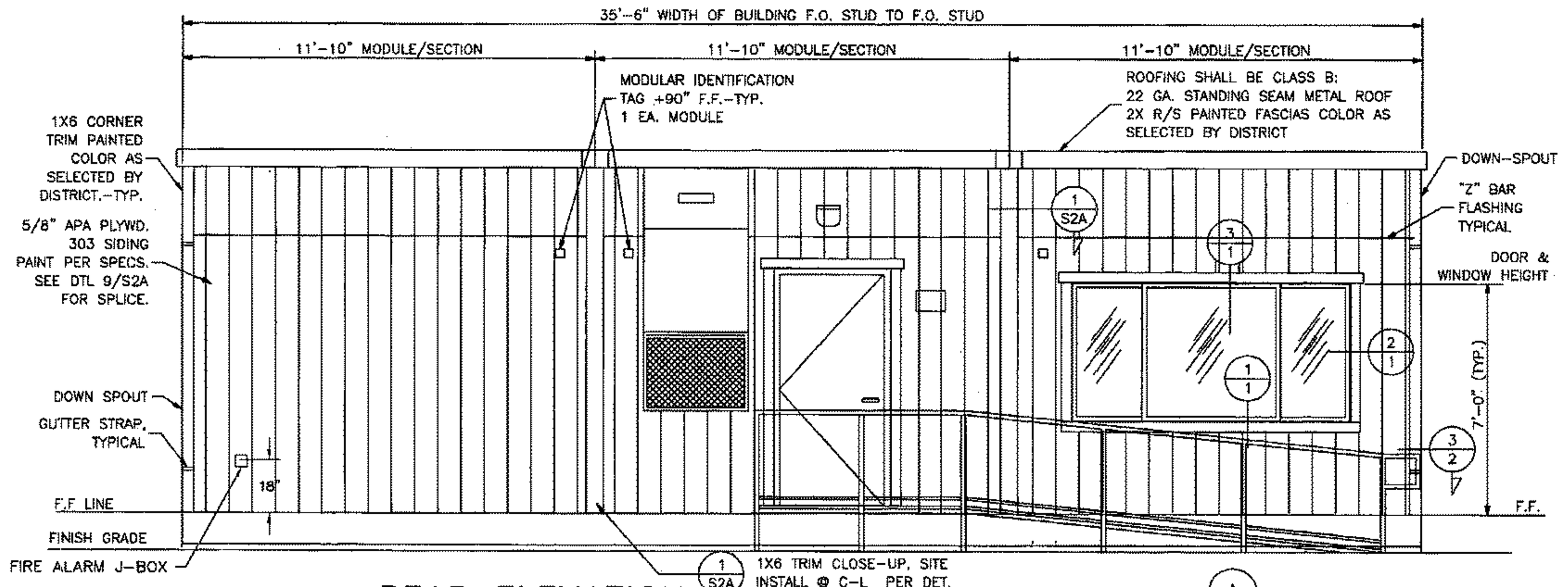
PROJECT No.

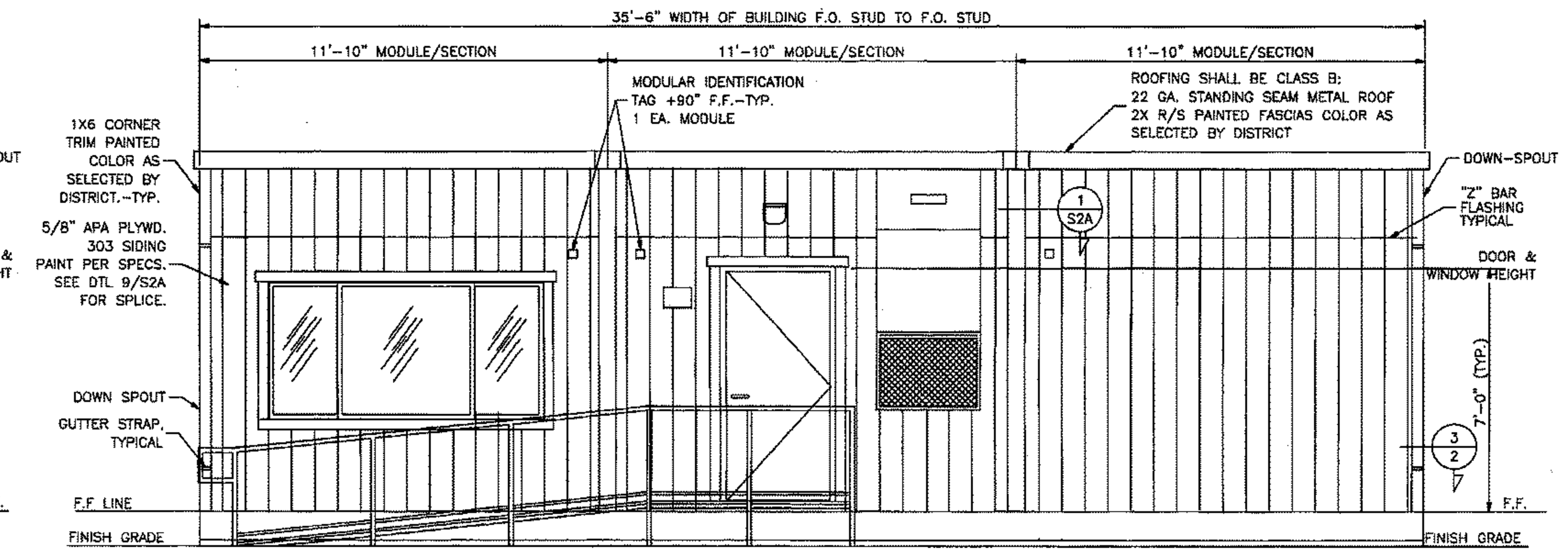
SHEET No.
1C



REAR ELEVATION (A)

SCALE: 1/4"=1'-0"

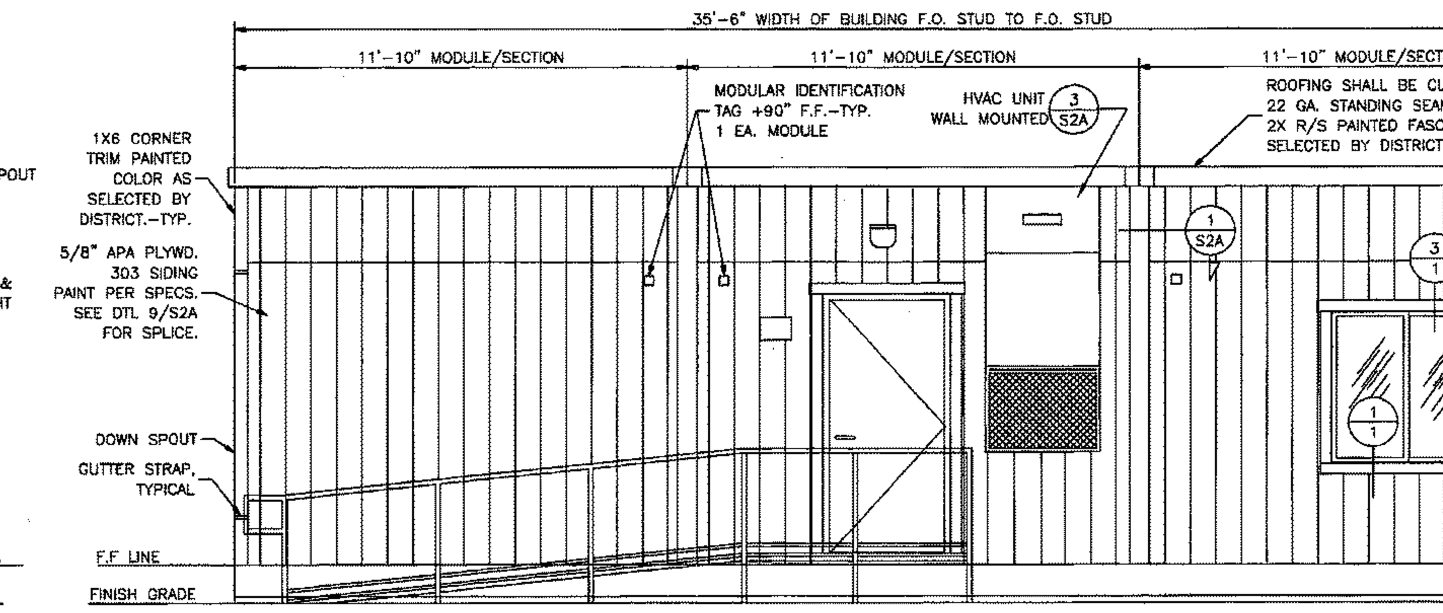
WASHINGTON MMM#04-906-446 & 447
SHELDON MMM#04-906-453 THRU 455
BAYVIEW MMM#04-906-445 & 459 & 460
TARA HILLS MMM#04-906-461 & 466
MIRA VISTA MMM#04-906-444 & 456 THRU 458 & 465
MURPHY MMM#04-906-463 + 450, 451, 452



REAR ELEVATION (A)

SCALE: 1/4"=1'-0"

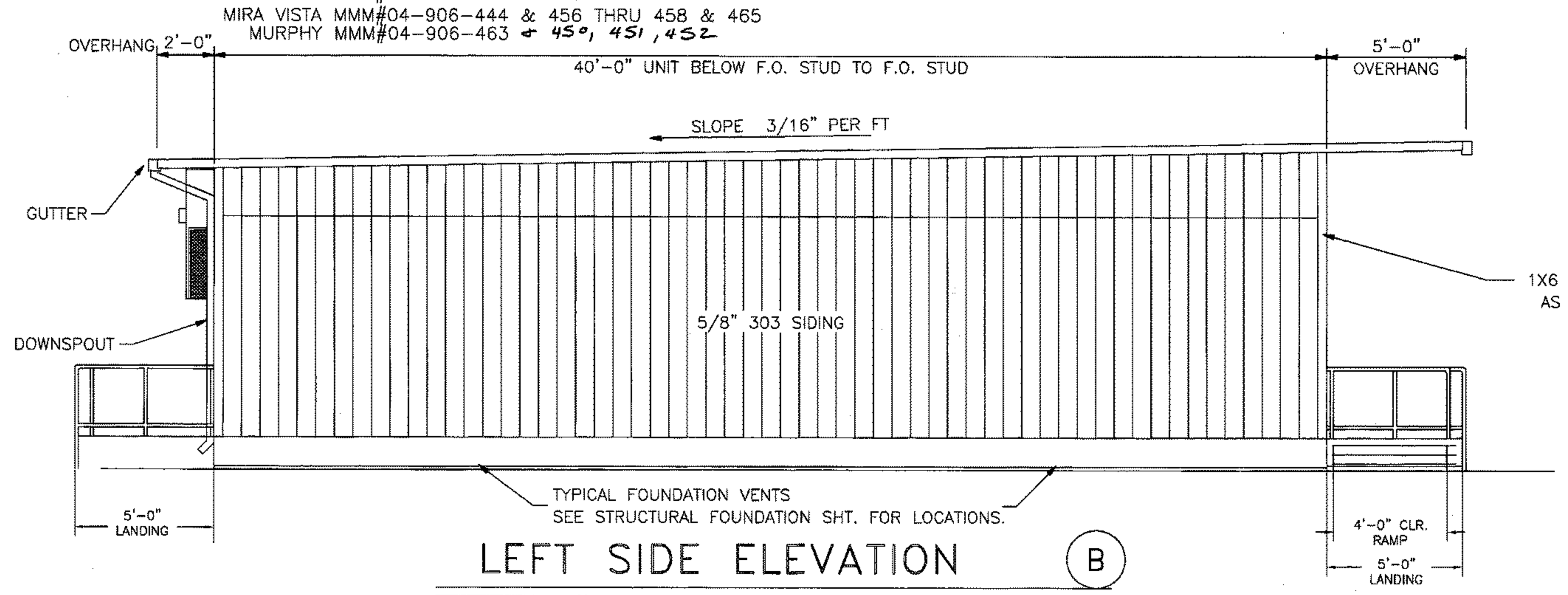
MUPRHY MMM#04-906-449 & 464
TARA HILLS MMM#04-906-462



REAR ELEVATION (A)

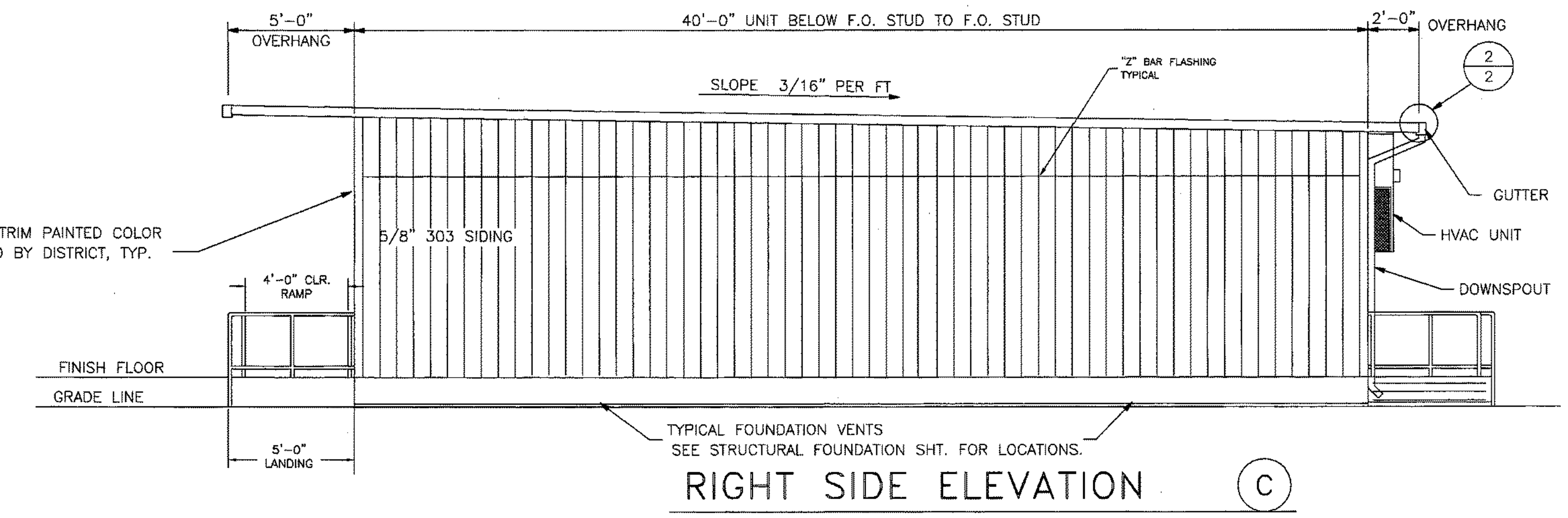
MURPHY MMM#04-906-448

SCALE: 1/4"=1'-0"



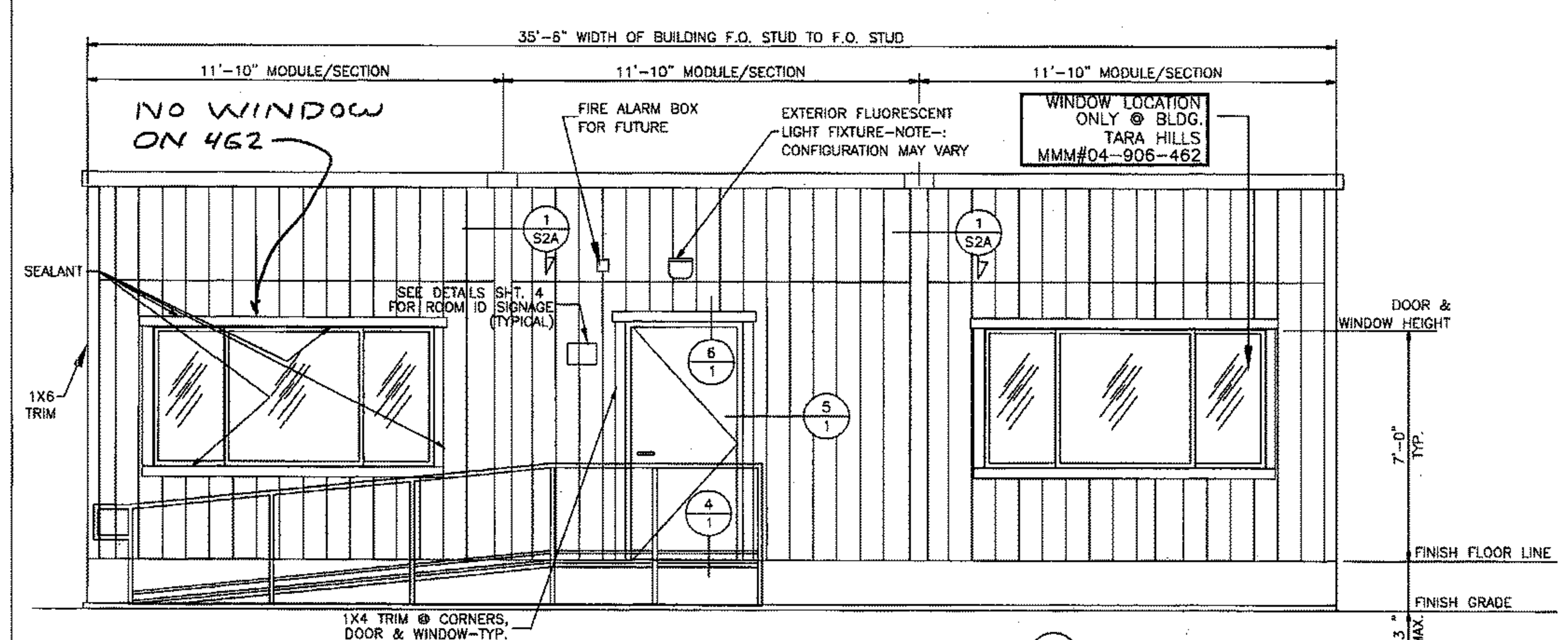
LEFT SIDE ELEVATION (B)

SCALE: 1/4"=1'-0"



RIGHT SIDE ELEVATION (C)

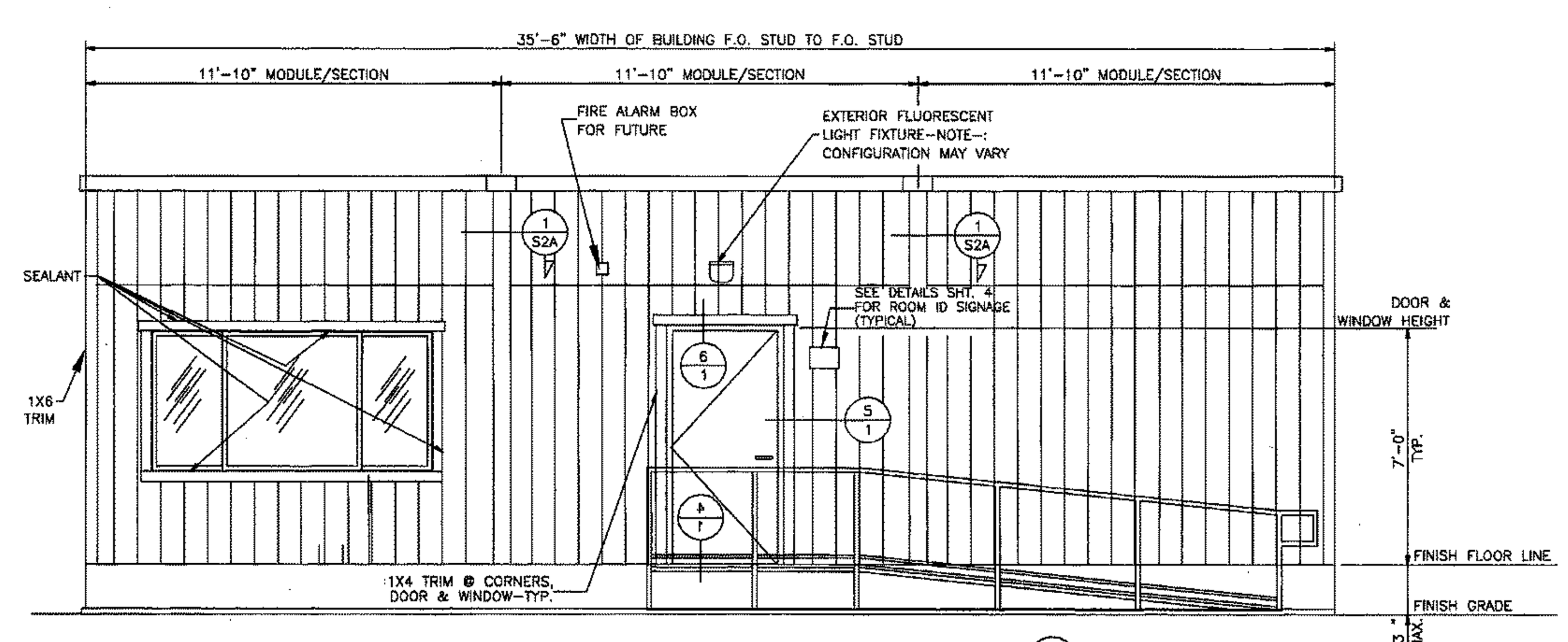
SCALE: 1/4"=1'-0"



FRONT END/ENTRY ELEVATION (D)

SCALE: 1/4"=1'-0"

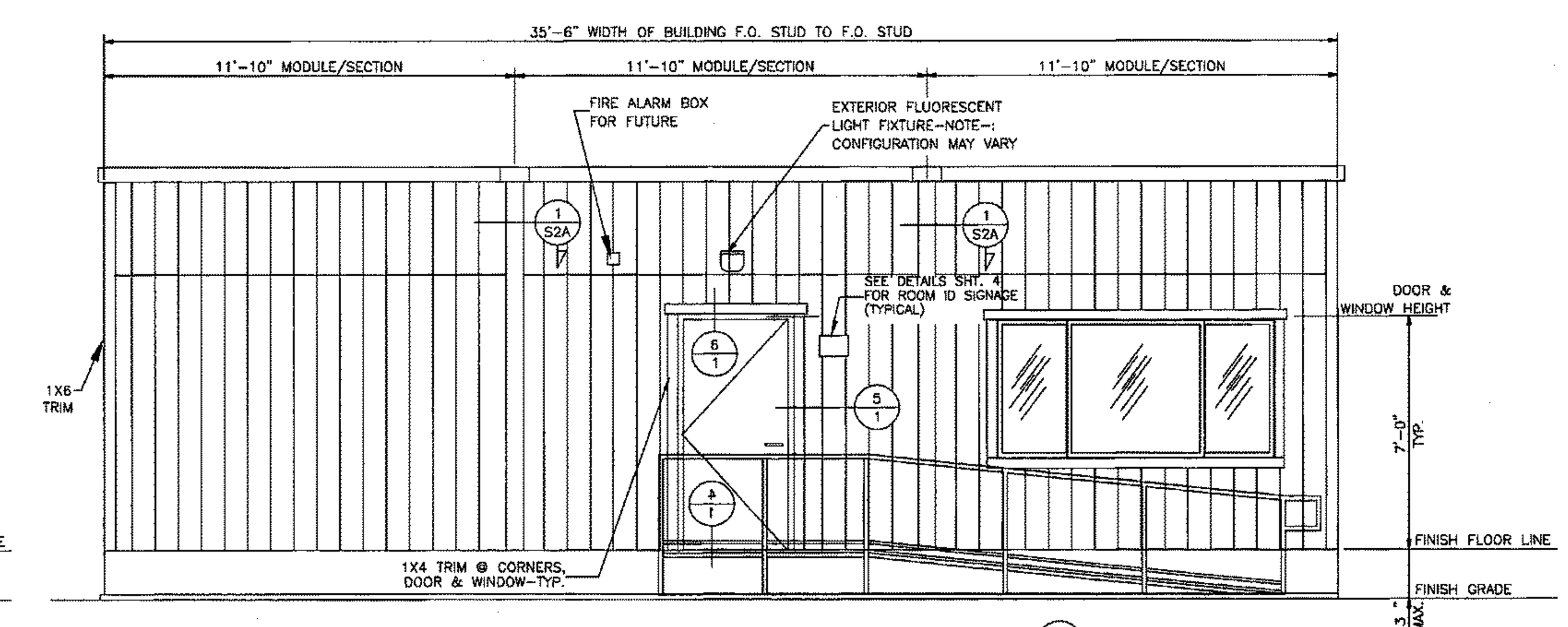
MIRA VISTA MMM#04-906-444 & 456 THRU 458 & 465
BAYVIEW MMM#04-906-445 & 459 THRU 460
WASHINGTON MMM#04-906-446 & 447
SHELDON MMM#04-906-453 THRU 455
TARA HILLS MMM#04-906-461 & 462 & 466
MURPHY MMM#04-906-463 + 450, 451, 452



FRONT END/ENTRY ELEVATION (D)

MURPHY MMM#04-906-448 & 464

SCALE: 1/4"=1'-0"



FRONT END/ENTRY ELEVATION (D)

MUPRHY MMM#04-906-449

SCALE: 1/4"=1'-0"

ROOM ID SIGNAGE

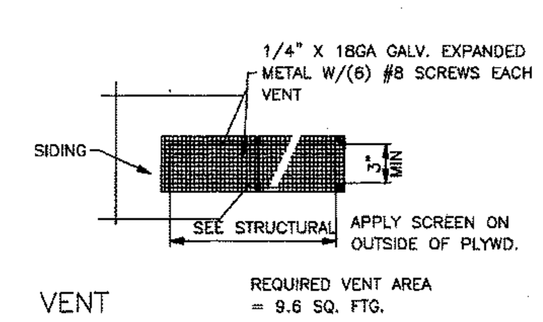
SEE SHEET 4 DETAILS E/4 & 1/4

NOT A PART OF THIS CONTRACT (NOT PROVIDED BY A.M.S.)

NOTE:
ROOM IDENTIFICATION SHALL BE PROVIDED FOR ROOMS OR SPACES. RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH THE FOLLOWING: CONTRACTED GRADE 2 BRAILLE SHALL BE USED. DOTS SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM 1/40 INCH ABOVE BACKGROUND. SIGNS SHALL BE INSTALLED ON WALL ADJACENT TO LATCH OUTSIDE OF DOOR. WHERE THERE IS NO SPACE ON THE LATCH SIDE, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PERFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTER OF THE SIGN.

1/4" X 18GA GALV. EXPANDED METAL W/(6) #8 SCREWS EACH VENT. ALSO SEE SHT. S1A
APPLY SCREEN ON OUTSIDE OF PLYWD.
REQUIRED VENT AREA = 9.6 SQ. FTG.

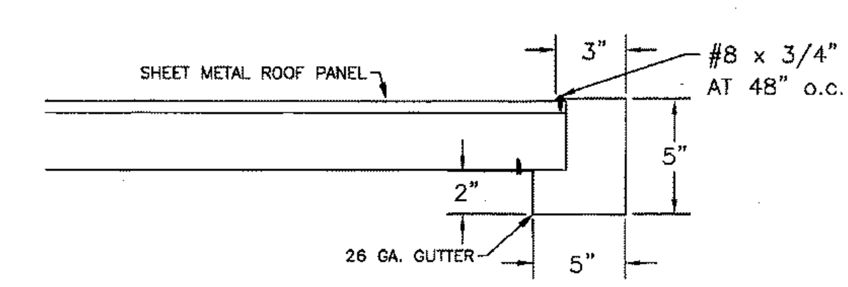
UNDER FLOOR VENTING



VENT DETAIL

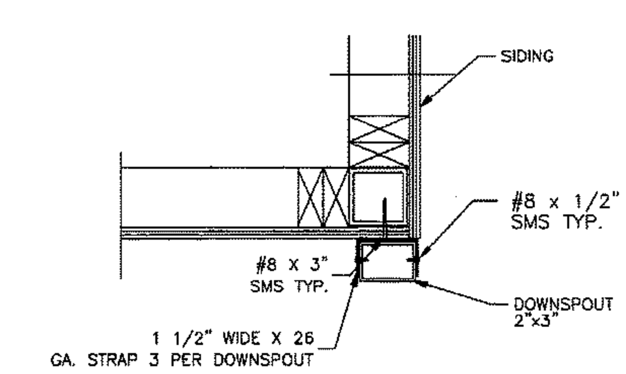
NO SCALE

SEE SHT. S1A, S1B OR S1C FOR NUMBER OF VENTS AND LOCATIONS. THIS DETAIL IS FOR WOOD FOUNDATIONS ONLY.



GUTTER: 26 GA., G-90 GALV. STEEL, FASTENED W/ #8 x 3/4" S.M.S. @ 48" O.C. MAX.
DOWNSPOUT: 2"X3" G-90 30 GA. CONVOLUTED GALV. STEEL.
DOWNSPOUT STRAPS: 26 GA. STEEL X 1 1/2" WIDE ATTACHED TO BLDG. MAX. 6'-0" O.C.

GUTTER AT OVERHANG DETAIL (2/2)



(3/2) DOWNSPOUT DETAIL

1 1/2"=1'-0"

BASED ON PC 02-104925

36X40 PC
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT

EXTERIOR ELEVATIONS

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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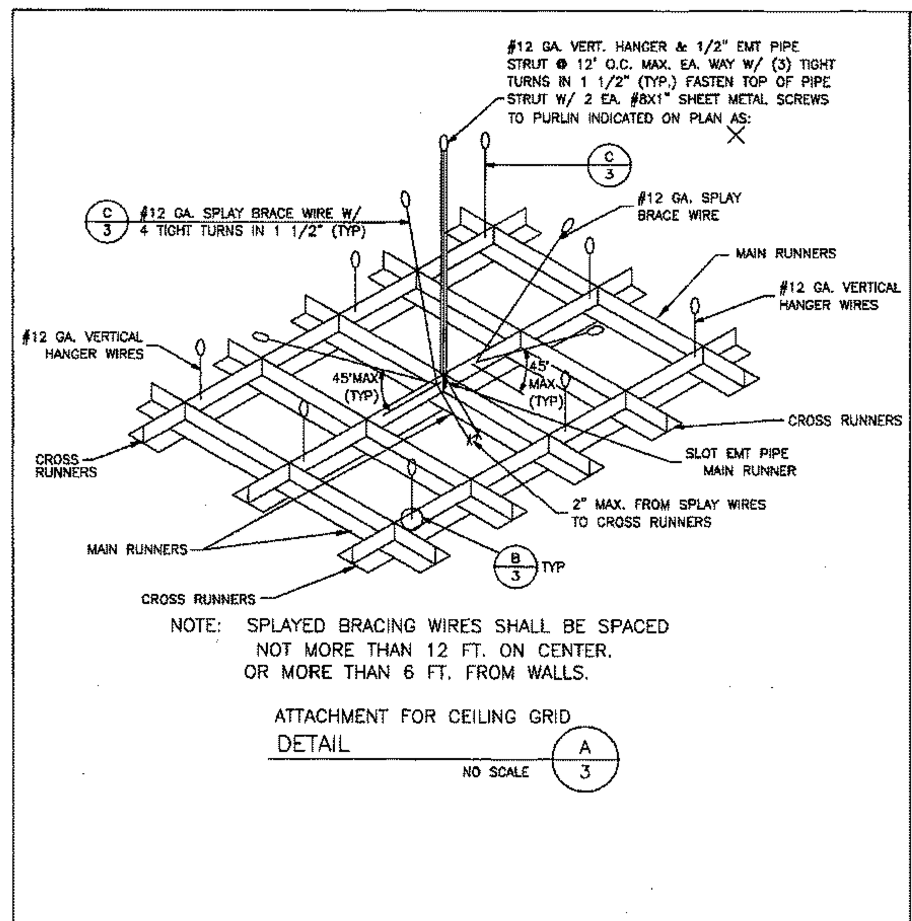
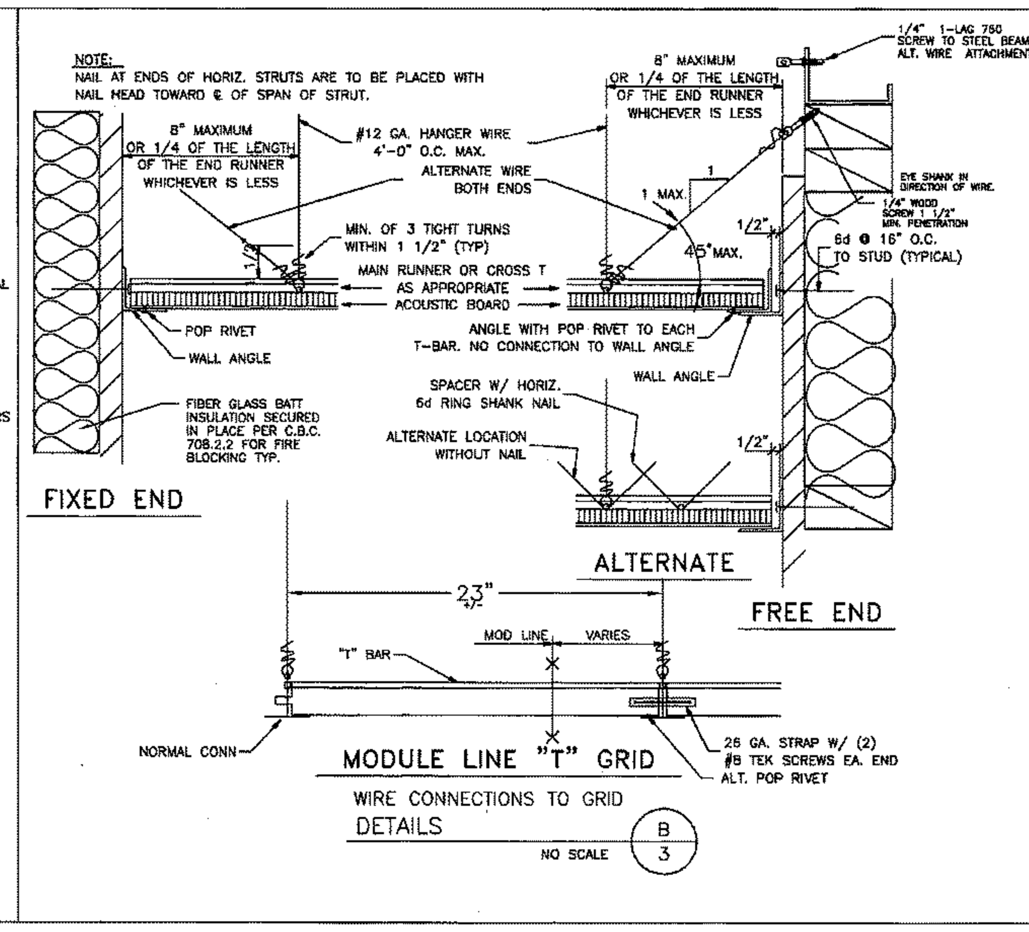
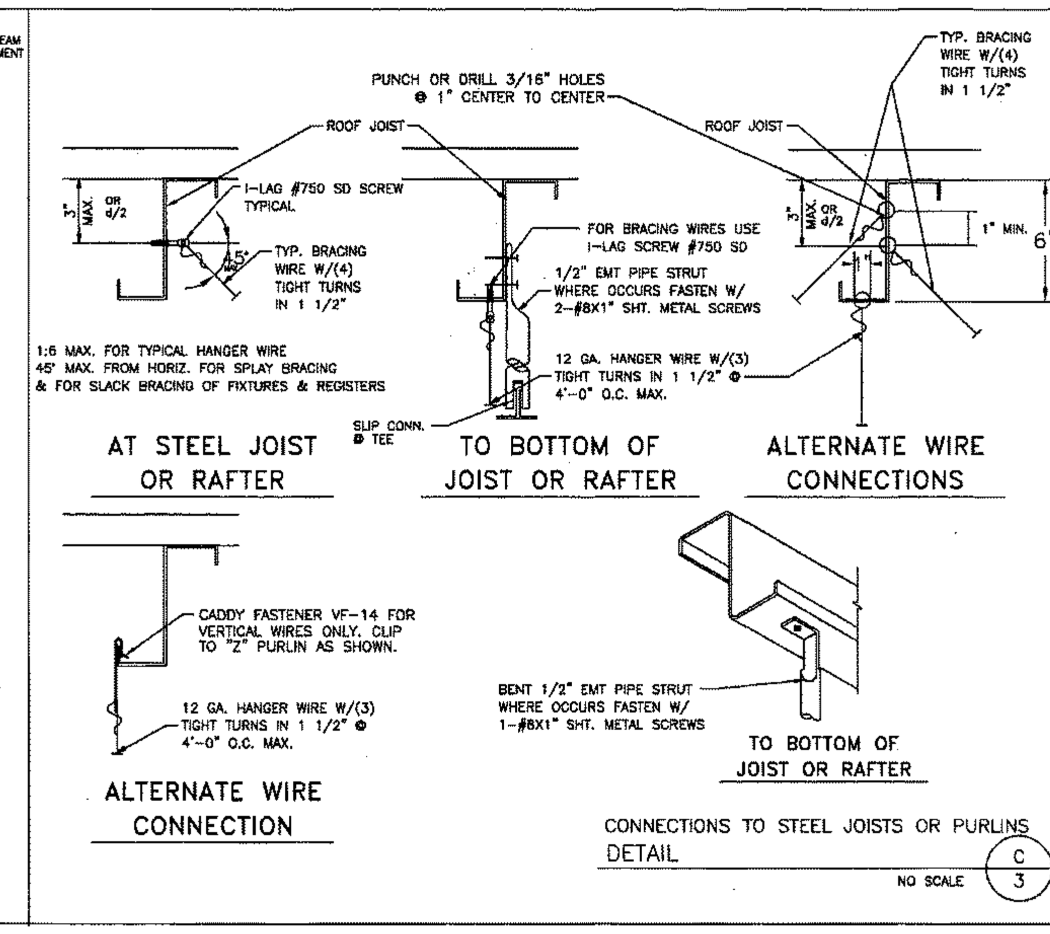
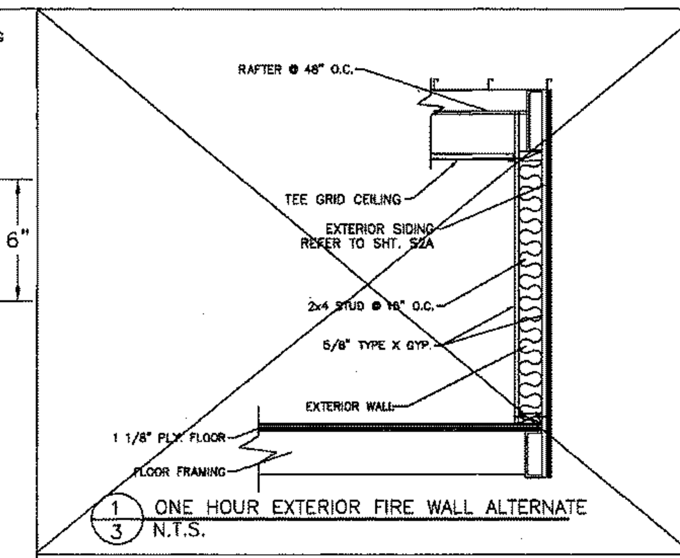
PROJECT No.

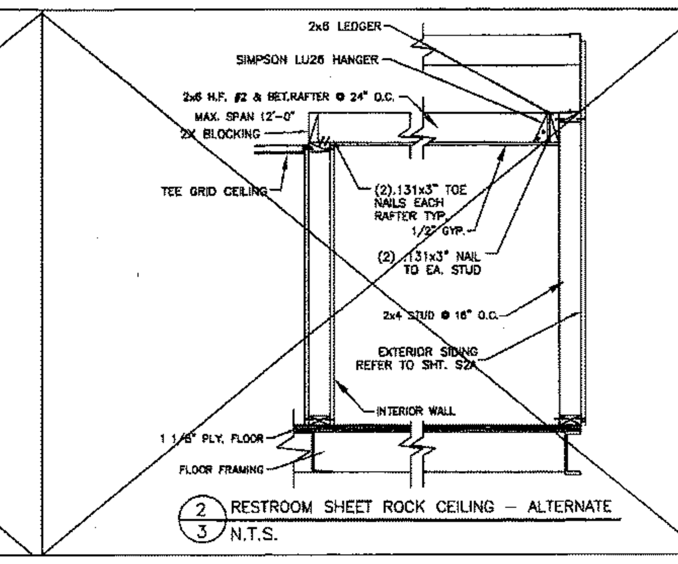
SHEET No.
2











METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

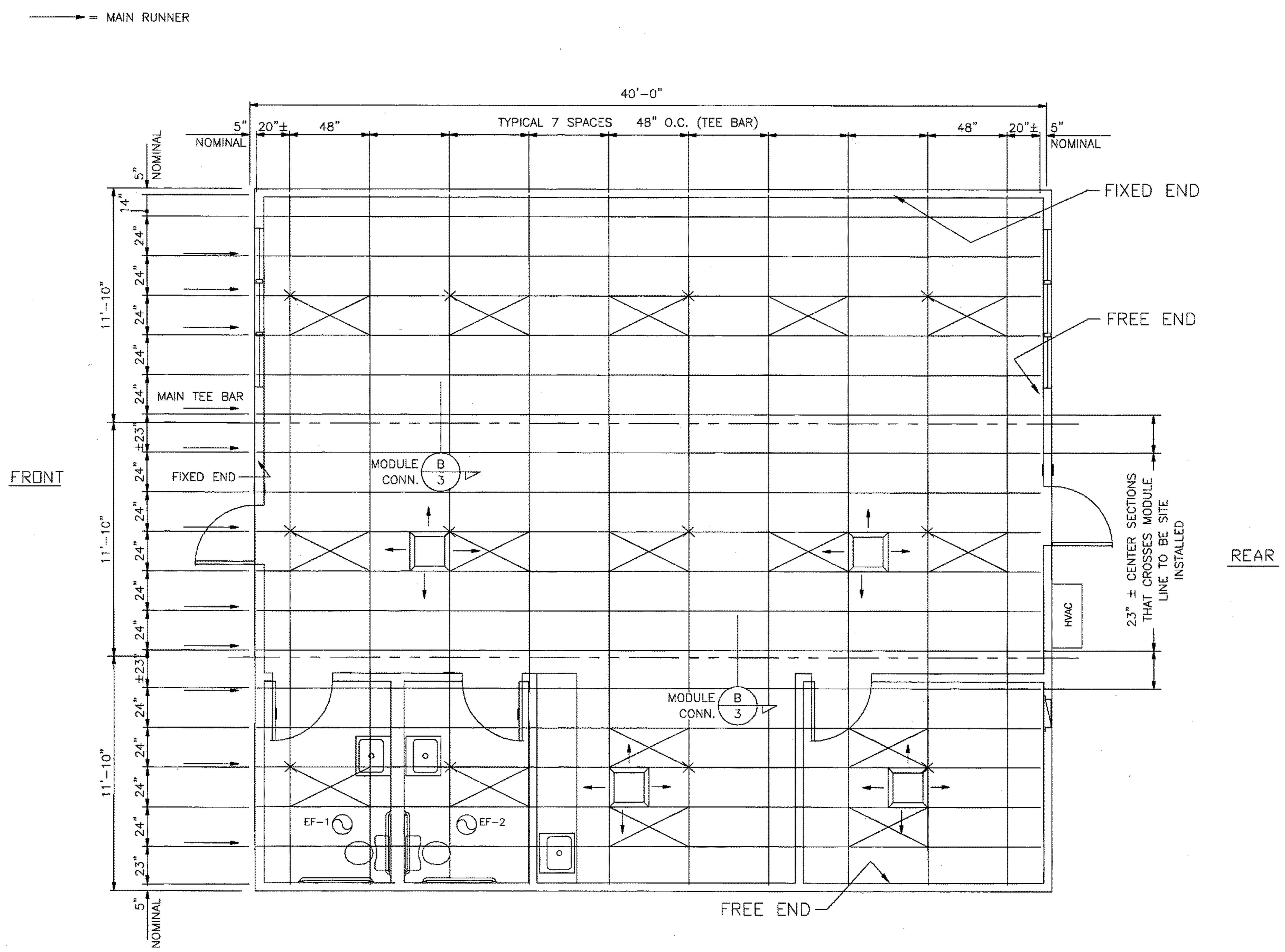
1. 12 GA. (MIN) HANGER WIRES MAY BE U... AND INCLUDING 4'-0" x 4'-0 GRID S... MAIN RUNNER. SPLICES WILL NOT BE... HANGER WIRES UNLESS SPECIFICALLY ... DSA/ORS.
2. PROVIDE 12 GA HANGER WIRES WITHIN ... OF ALL MAIN AND CROSS RUNNERS O... LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
(A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
(B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS
7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC., IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA/ORS.
9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, PER ASTM C635
MANUFACTURER'S CATALOG NUMBER – MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL #200-01.
MANUFACTURER'S CATALOG NUMBER – CROSS RUNNER CHICAGO METALLIC 1214-01 CROSS TEES.
MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS I, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA/ORS APPROVAL.

TABLE A HEAVY DUTY GRID COMPONENTS

MANUFACTURER	MAIN TEE	H.D. 4' CROSS TEE	H.D. 2' CROSS TEE
DONN/USG	DX-26	DX-424	DX-216
ARMSTRONG	7301	7341	7323
CHICAGO MET.	200-01	1204-01	1226-01

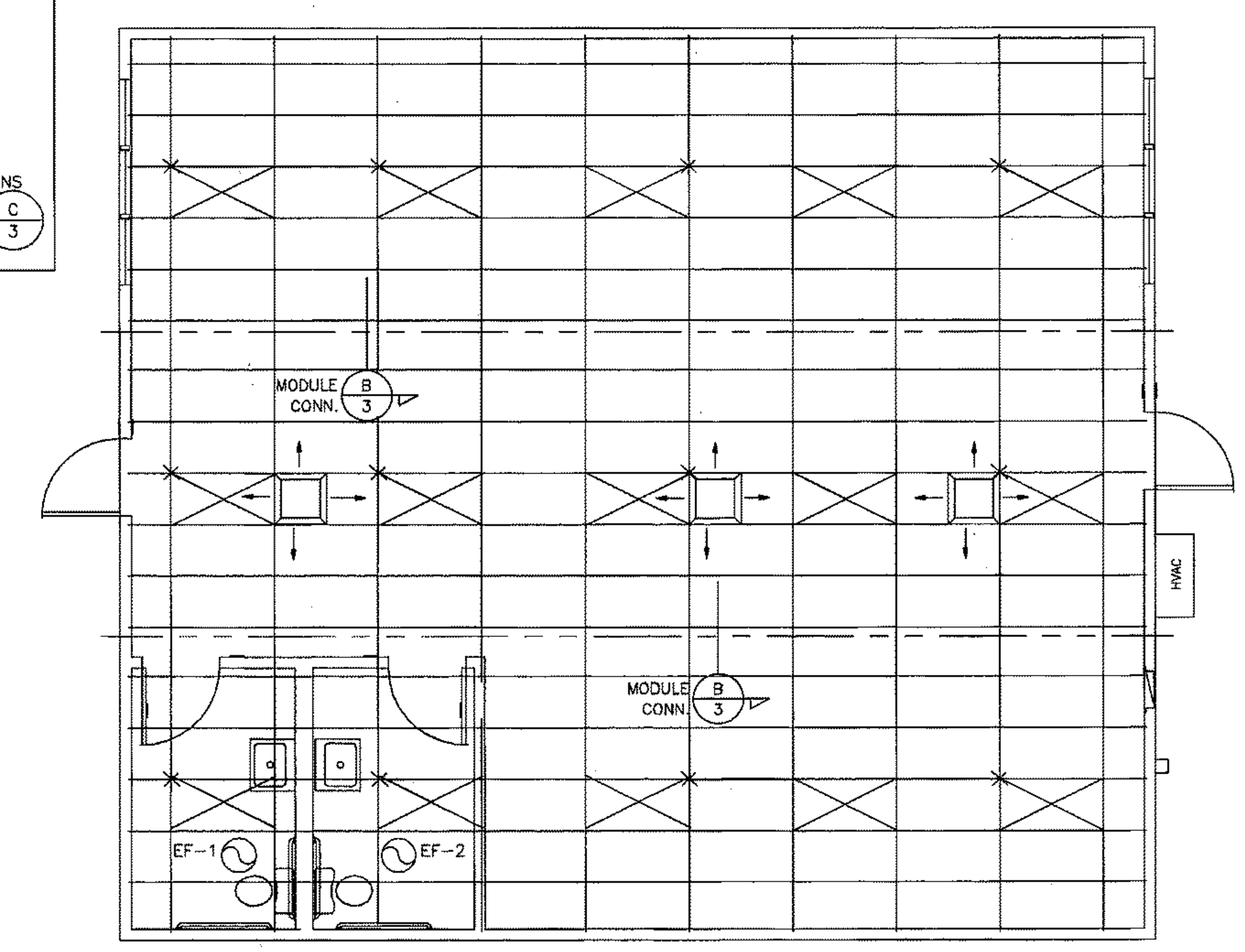
NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

MIRA VISTA MMM#04-906-444
BAYVIEW MMM#04-906-445
450
451
452

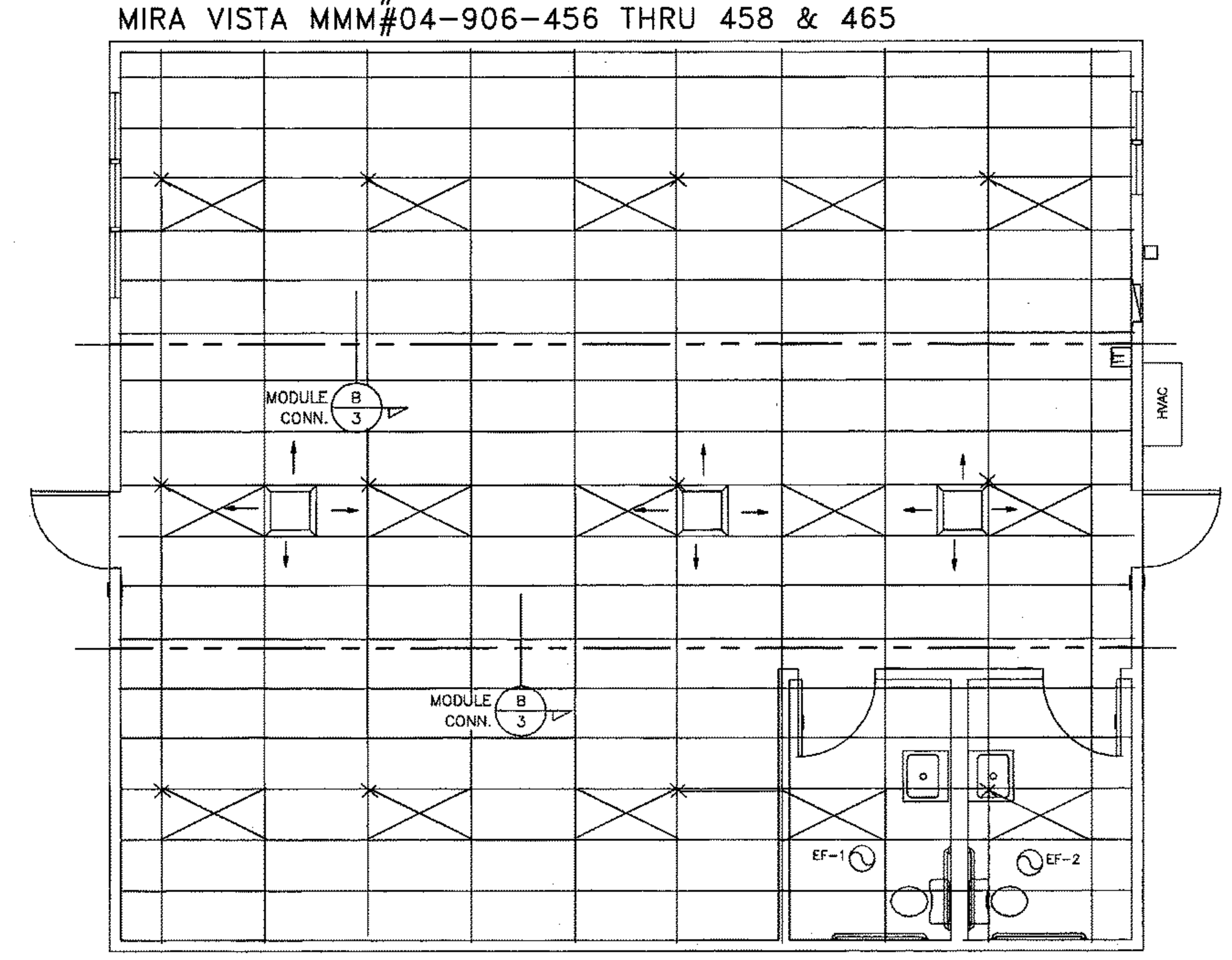
SCALE:1/4"=1'-0"



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

SCALE: 3/16"=1'-0"

WASHINGTON MMM#04-906-446 & 447
SHELDON MMM#04-906-453 THRU 455
BAYVIEW MMM#04-906-459 & 460
TARA HILLS MMM#04-906-461 & 466
MIRA VISTA MMM#04-906-456 THRU 458 & 465



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

MURPHY MMM#04-906-448

SCALE: 3/16"=1'-0"

BASED ON PC. 02-104925

36 X 40 PC
RELOCATABLE
CLASSROOM

American Modular Systems Inc.
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(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT

CEILING GRID, DETAILS AND NOTES

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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△			△		
△			△		
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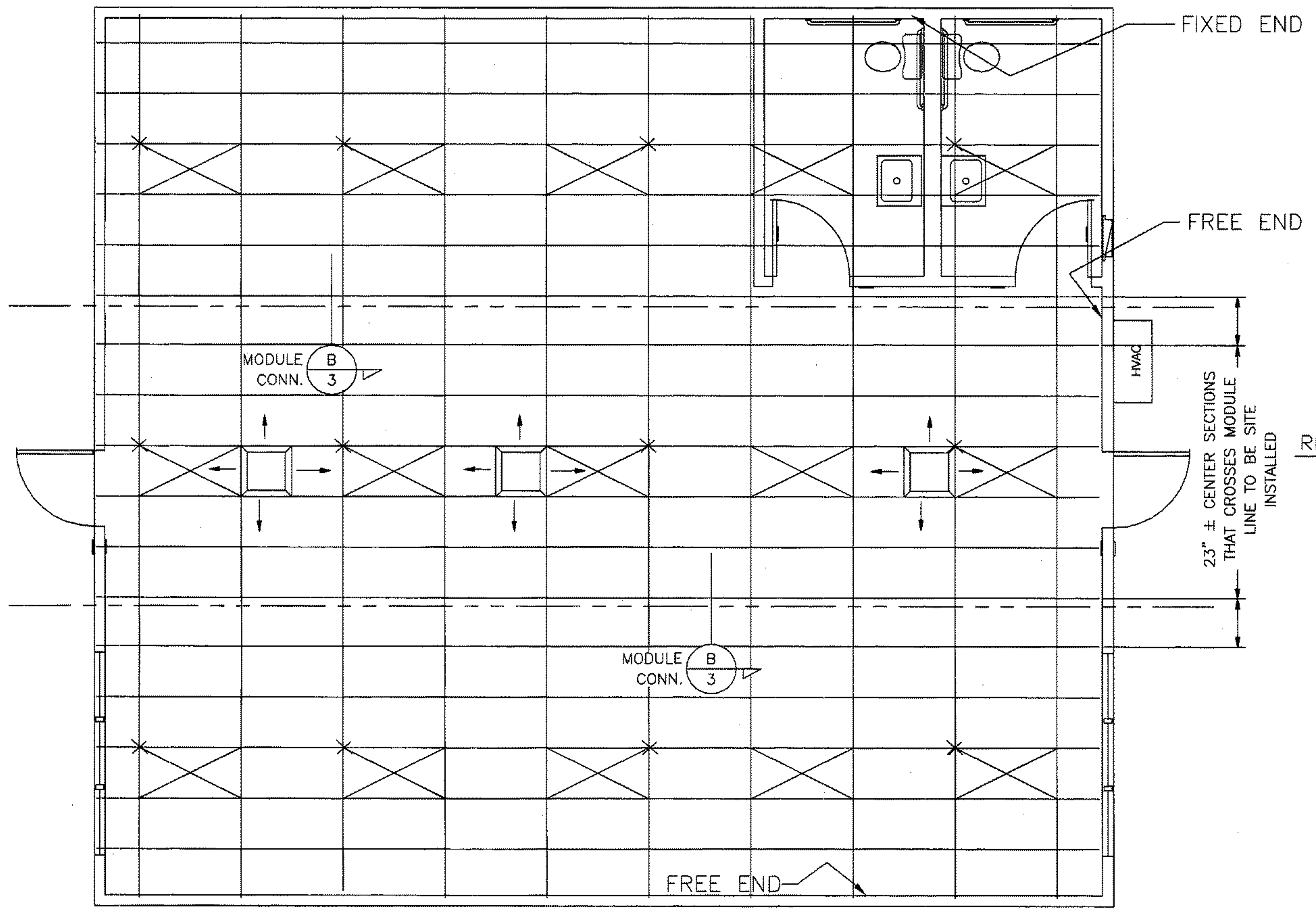
PROJECT No.

SHEET No.
3

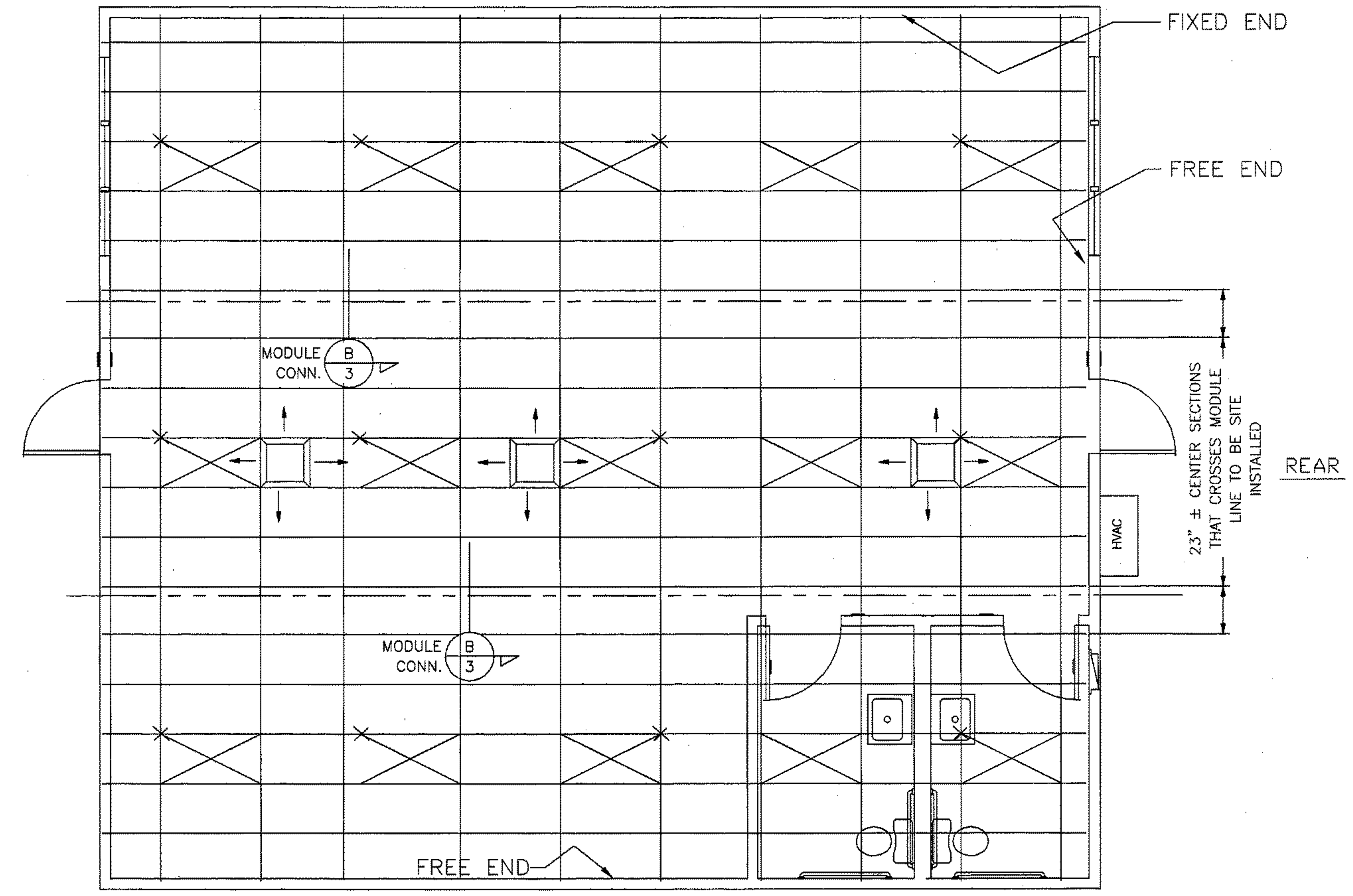
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

MURPHY MMM#04-906-449

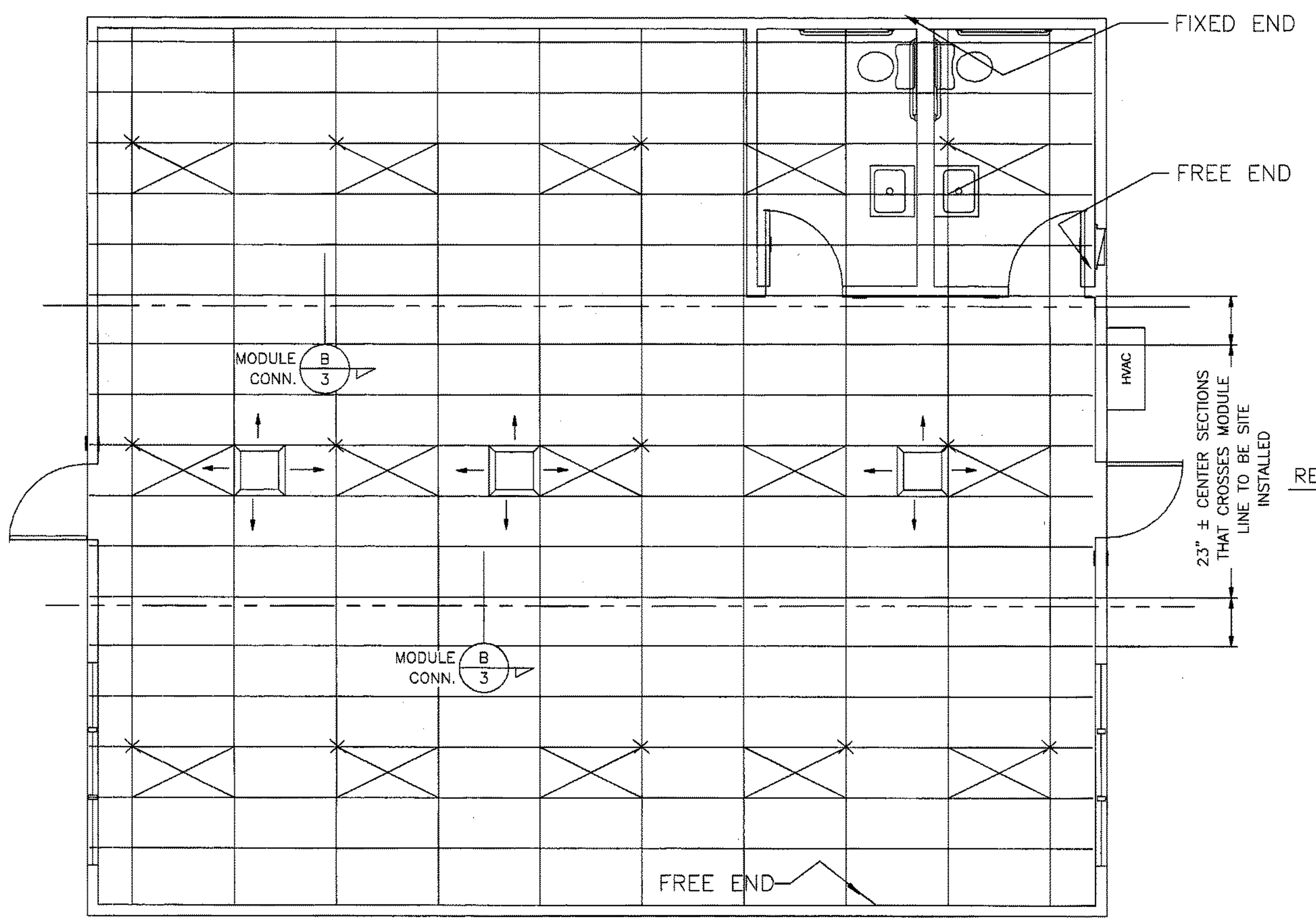
SCALE:1/4"=1'-0"



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

MURPHY MMM#04-906-463

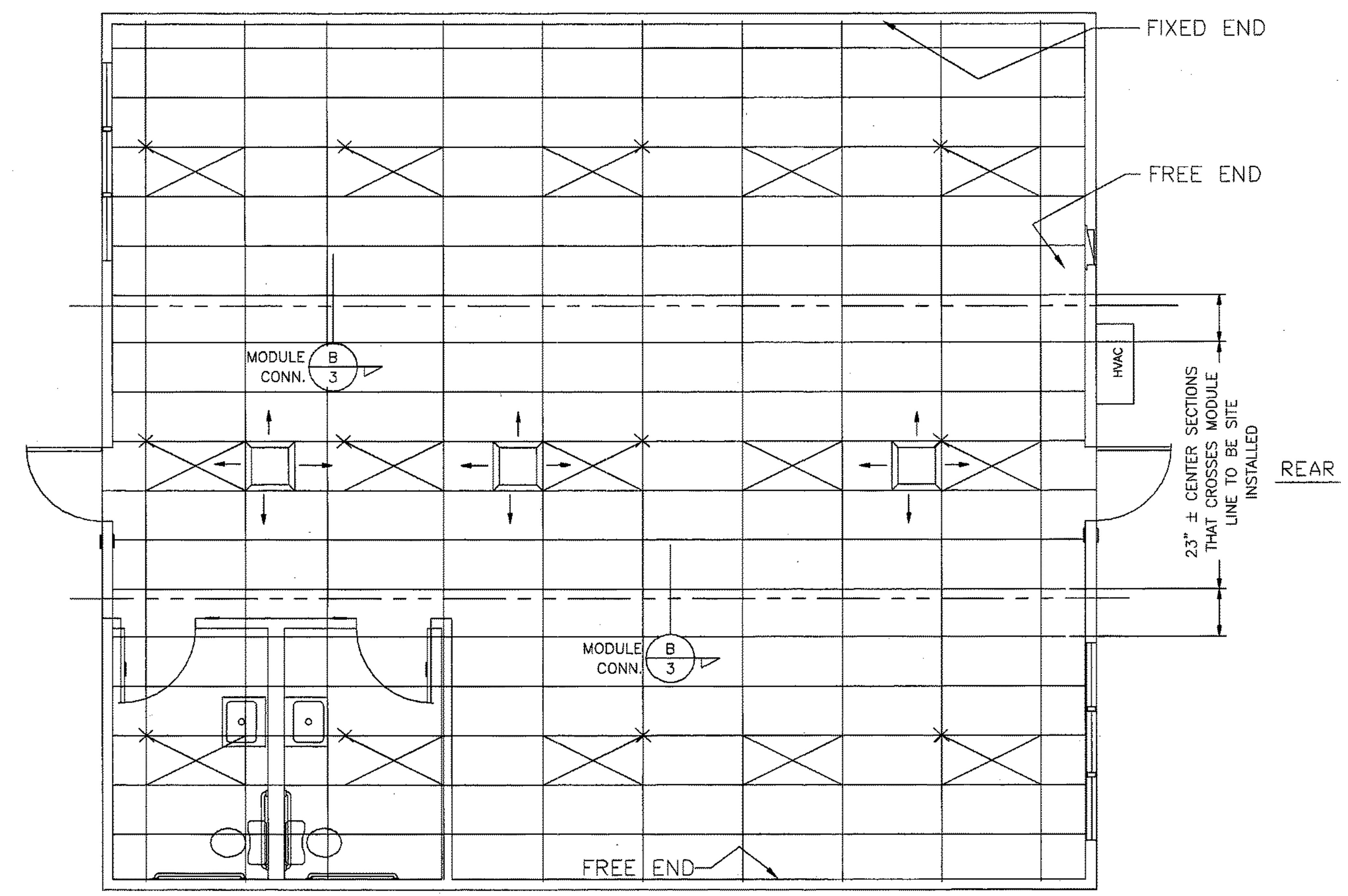
SCALE:1/4"=1'-0"



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

TARA HILLS MMM#04-906-462

SCALE:1/4"=1'-0"



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

MURPHY MMM#04-906-464

SCALE:1/4"=1'-0"

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106215
AC FLS SS
DATE 4/28/04

PROFESSIONAL ENGINEER
No 2310
STATE OF CALIFORNIA

BASED ON PC. 02-104925

36 X 40 PC
RELOCATABLE
CLASSROOM

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT

CEILING GRID, DETAILS AND NOTES

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

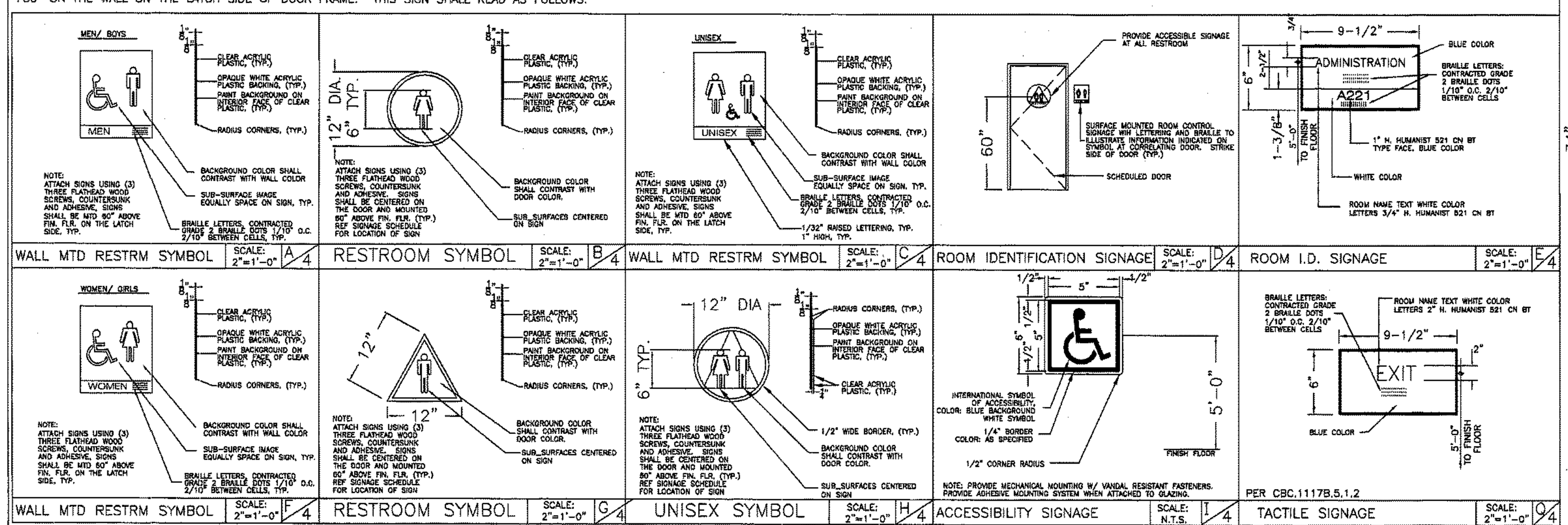
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

SHEET No.
3A

ACCESSIBILITY SIGNAGE (AS REQUIRED–BY DISTRICT)

NOTE:
PER CBC 1115.B.5 1–10 PLACE 12" ROUND OR TRIANGULAR SIGNS ON EACH TOILET ROOM DOOR @ +60" ON THE WALL ON THE LATCH SIDE OF DOOR FRAME. THIS SIGN SHALL READ AS FOLLOWS.

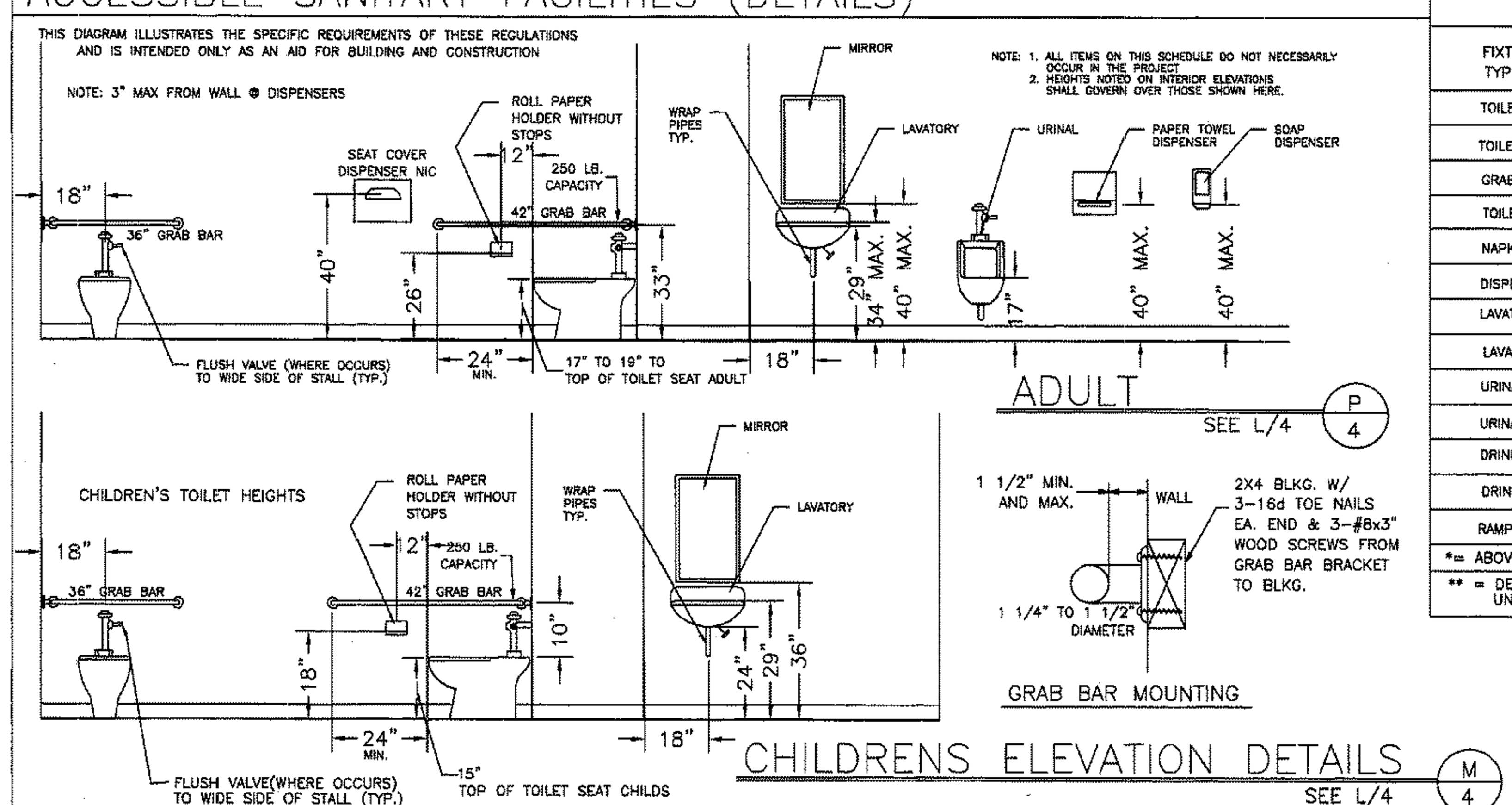


ACCESSIBLE SANITARY FACILITIES (DETAILS)

THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING AND CONSTRUCTION

NOTE: 3" MAX FROM WALL @ DISPENSERS

NOTE: 1. ALL ITEMS ON THIS SCHEDULE DO NOT NECESSARILY OCCUR IN THE PROJECT.
2. HEIGHTS NOTED ON INTERIOR ELEVATIONS SHALL GOVERN OVER THOSE SHOWN HERE.



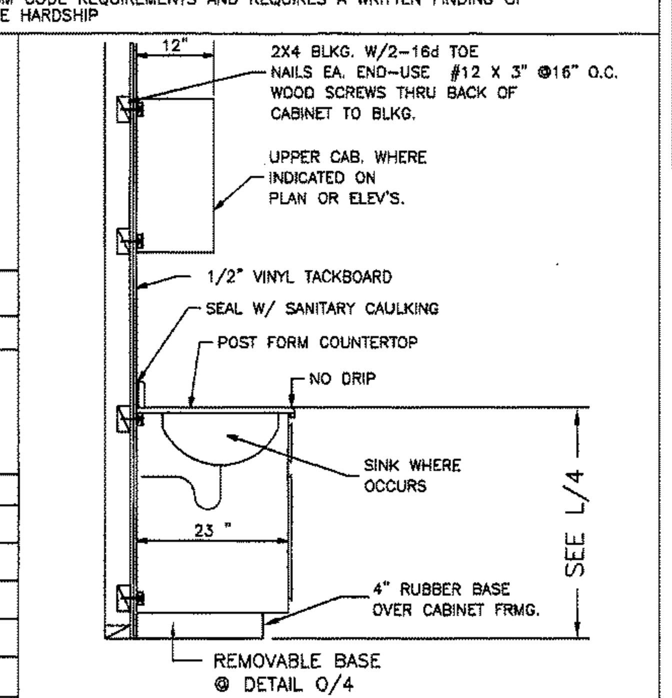
CHILDRENS ELEVATION DETAILS M/4
SEE L/4

DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES L/4

FIXTURE TYPE	ADULT (AGE 12 AND OVER) DIMENSION	ELEMENTARY DIMENSION	KINDERGARTEN & PRE-SCHOOL DIMENSION
TOILET CENTERLINE FROM WALL	18"	15"	12"
TOILET SEAT HEIGHT (TO TOP OF SEAT)	17"–19"	15"	10"–12"
GRAB BAR HEIGHT	33"	33"	10" ABOVE SEAT *
TOILET PAPER IN FRONT OF TOILET	12" MAX.	12" MAX.	6" MAX. **
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	N/A	N/A
DISPENSER OR MIRROR HEIGHT	40" MAX.	36" MAX.	32" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.	29" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.
URINAL LIP HEIGHT	17" MAX.	15" MAX.	10" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	36" MAX.	28" MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	31" MAX.	24" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.
RAMP/STAIR HANDRAIL HEIGHT	34"–38"	27"	22"

*= ABOVE SEAT

** = DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP



CROSS SECTION N/4
TYPICAL CABINET

ROOM FINISHES SCHEDULE

ROOM NUMBER	ROOM NAME	FINISHES: FLOOR	BASE	WALLS: FRONT	REAR	RIGHT	LEFT	CEILING	CEILING HEIGHT	REMARKS
1	CLASSROOM		D	F	F	F	F	J	8'–6"	
2	RESTROOM TYP.	B	E	I	I	I	I	J	8'–6"	

A – CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN.
B – VINYL SHEET FLOORING
C – VCT, ARMSTRONG STANDARD OR EXCELON
D – TOP SET BASE. 4" BURKE
E – TOP SET BASE. 6" BRINGANTINE OR SANDOVAL
F – WALL FINISH. 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
G – 1/2" W.R. GYP BOARD. TAPE, TEXTURE, PAINTED FINSIH
H – 1/2" GYP BOARD. TAPE, TEXTURE, PAINTED FINISH
I – 3/32" F.R.P. OVER 1/2" W.R. GYP BOARD
J – ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)
K – 1/2" VINYL TACKBOARD CLASS 1 OVER 5/8" TYPE "X" GYP BOARD BACKING

DOOR SCHEDULE SEE SHT. 1 FOR LOCATION

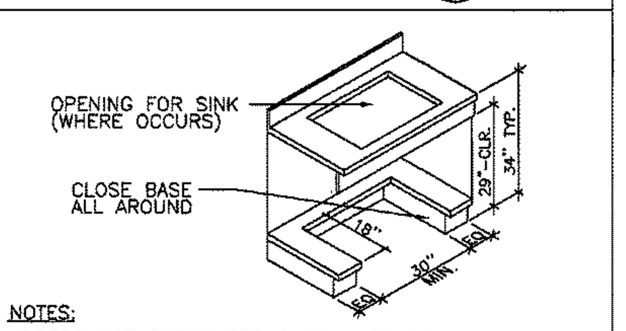
DOORS: DOOR NO.	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET NO.	QUANTITY	FRAMES: MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	JAMB THROAT	NOTE NO.
1	3'–0" x 7'–0"	H.M.		N/A	A		H.M.	6/1	6/1	4/1	5/1	
2	3'–0" x 7'–0"	H.M.		N/A	A		H.M.	6/1	6/1	4/1	5/1	

HM – HOLLOW METAL
AL – ALUMINUM
SST – STAINLESS STEEL
STL – STEEL FRAME, 16 ga. FULLY WELDED
WWF – WINDOW WALL FRAME
SC – SOLID CORE WOOD
HC – HOLLOW CORE WOOD

WINDOW SCHEDULE SEE SHT. 1 FOR LOCATION

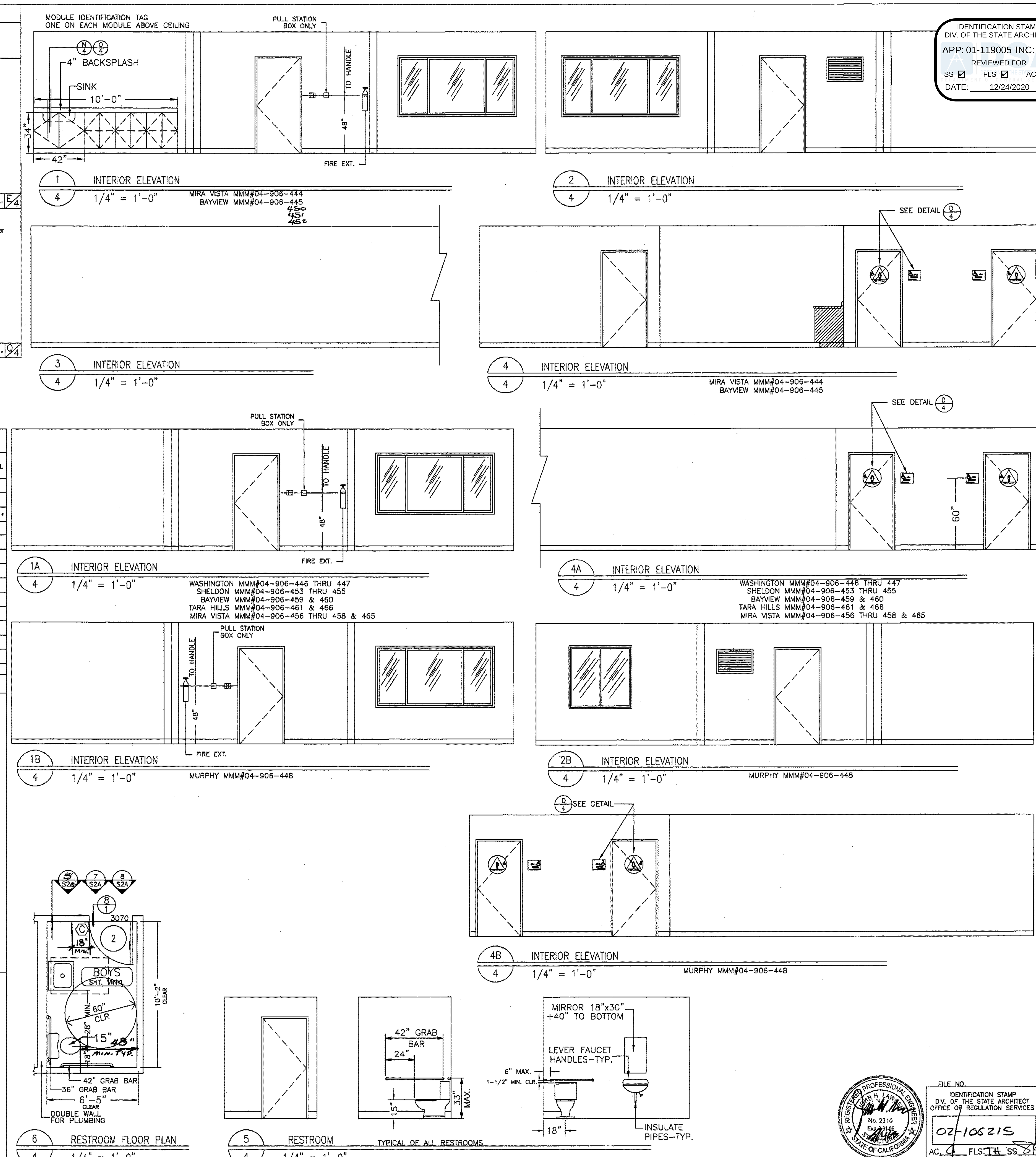
WINDOW NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	GLASS TYPE
(A)		SLD.	8'–0"	4'–0"	BRONZE	SOLAR GREY
(B)		SLD.	4'–0"	4'–0"	BRONZE	SOLAR GREY

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 45% maximum.



NOTES:
- DOORS NOT SHOWN FOR CLARITY. DOORS ARE TO BE PROVIDED.
- MODIFY BASE AS SHOWN FOR WHEELCHAIR ACCESS.
- ALL EXTERIOR SURFACES TO BE PLASTIC LAMINATE.

CROSS SECTION ACCESSIBLE CABINET O/4
N.T.S.



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
FILE NO.
02-106215
AC ☑ FLS TH SS ☑
DATE 4/28/04

BASED ON PC 02-104925

36' X 40'
RELOCATABLE CLASSROOMS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT

INTERIOR ELEVATIONS AND OPTIONS

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

SHEET No.
4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
No 2310
Exp. 3/31/05
STRUCTURAL
STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106 215
AC. FLS. SS
DATE 4/28/04

BASED ON PC 02-104925

36' X 40'
RELOCATABLE
CLASSROOMS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT

INTERIOR ELEVATIONS AND OPTIONS

DATE: 04-21-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
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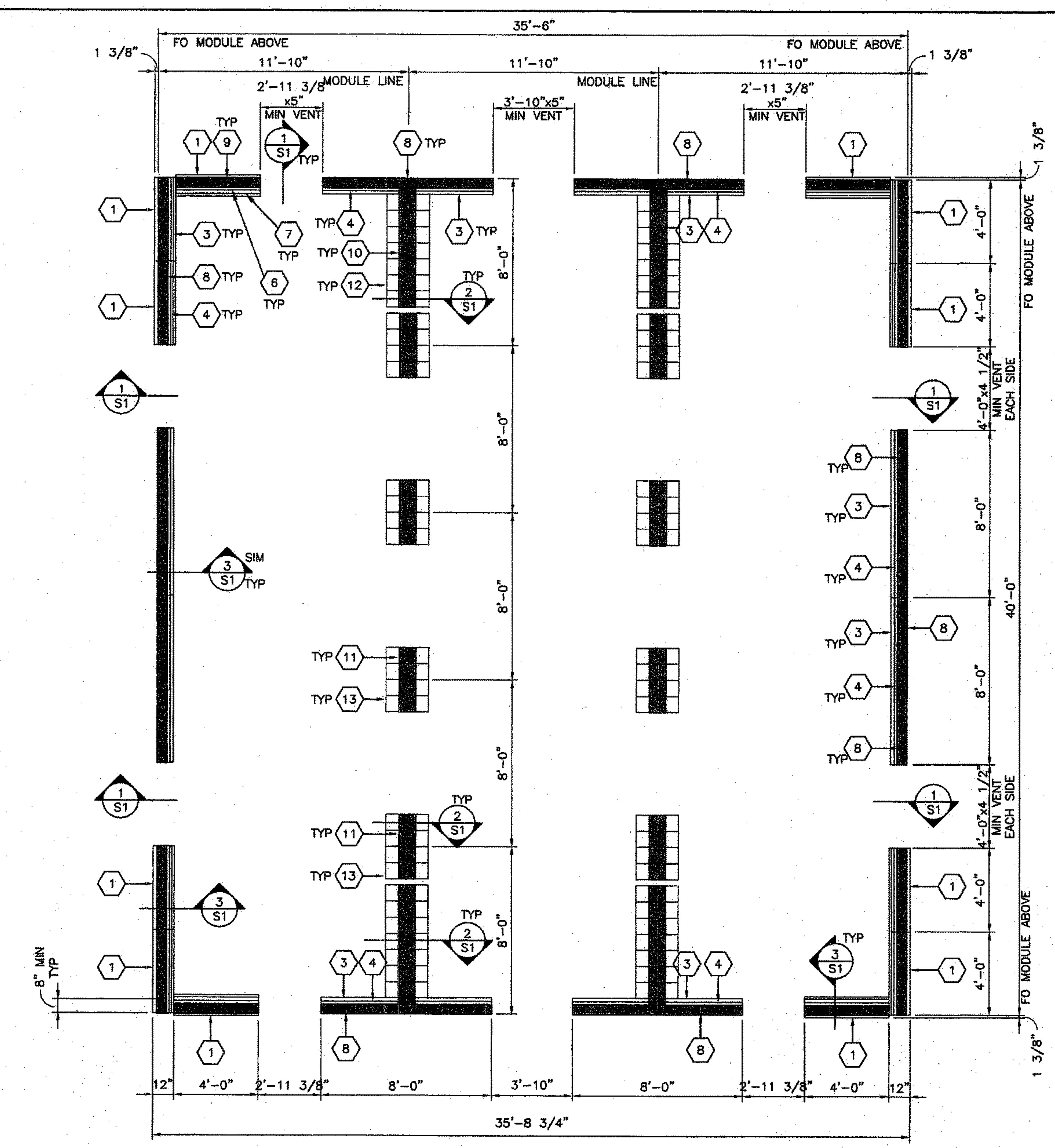
PROJECT No.

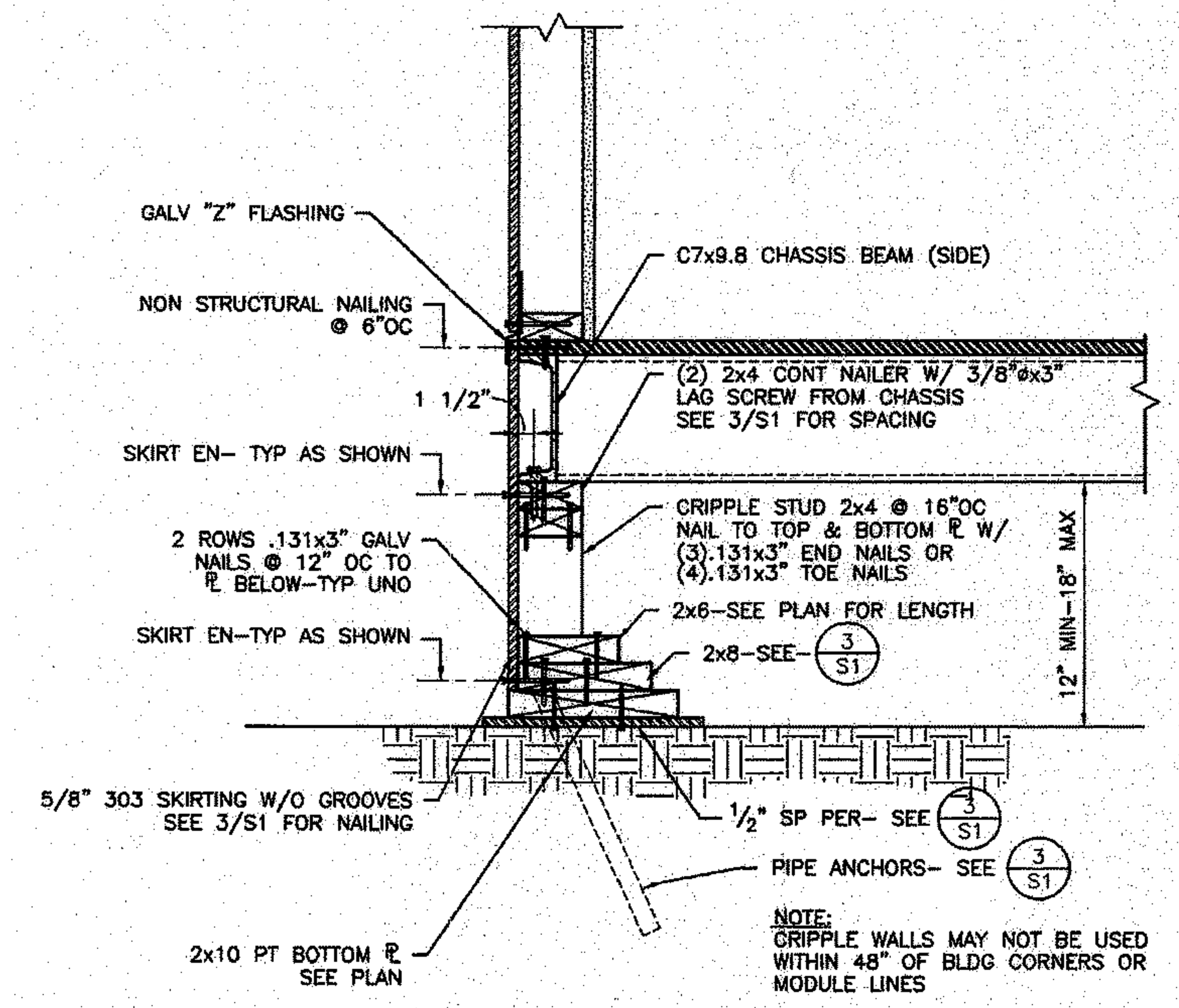
SHEET No.
4A



50 PSF LIVE LOAD

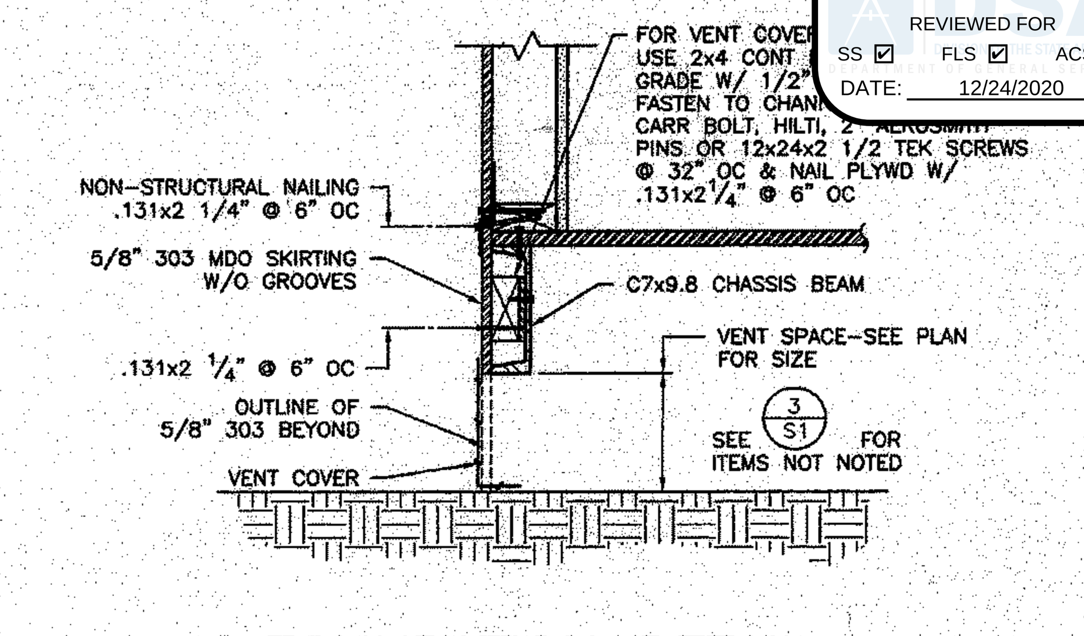
FOUNDATION PLAN

A/S1 — 1/4" = 1'-0"



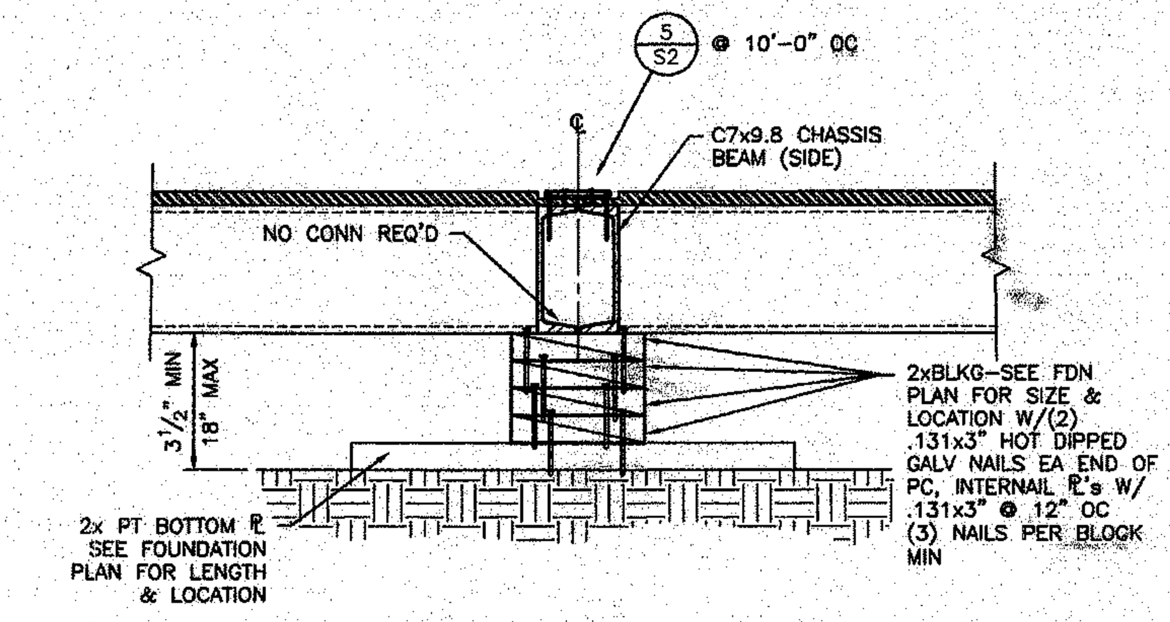
FOUNDATION DETAIL

4/S1 — 1 1/2" = 1'-0"



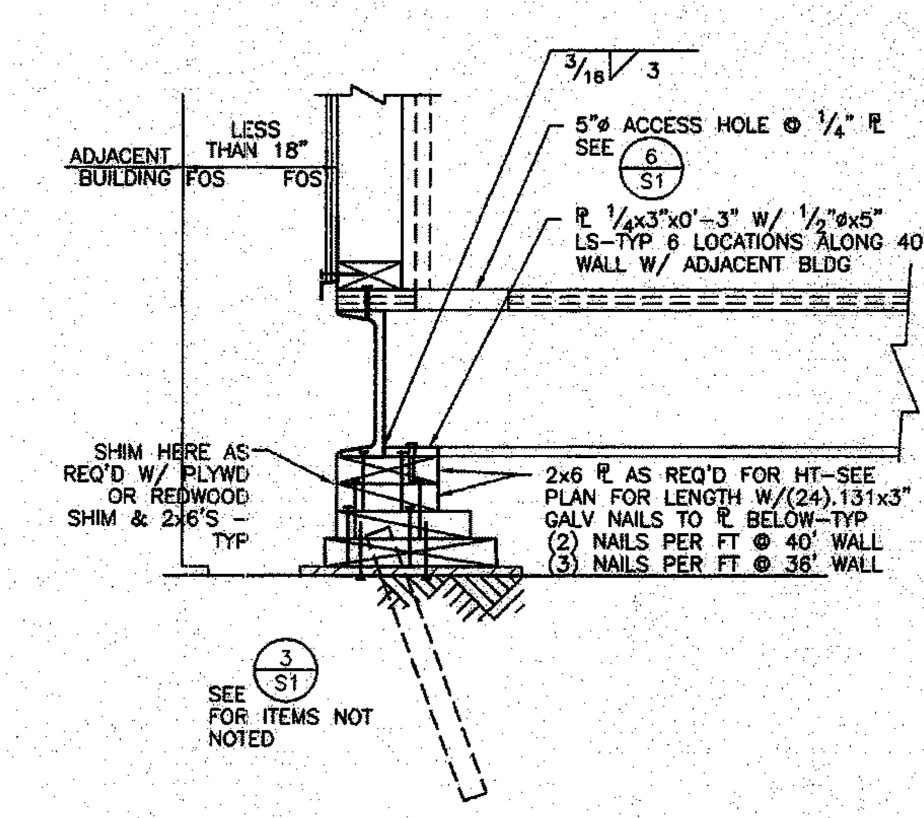
FOUNDATION DETAIL

1/S1 — 1 1/2" = 1'-0"



DETAIL

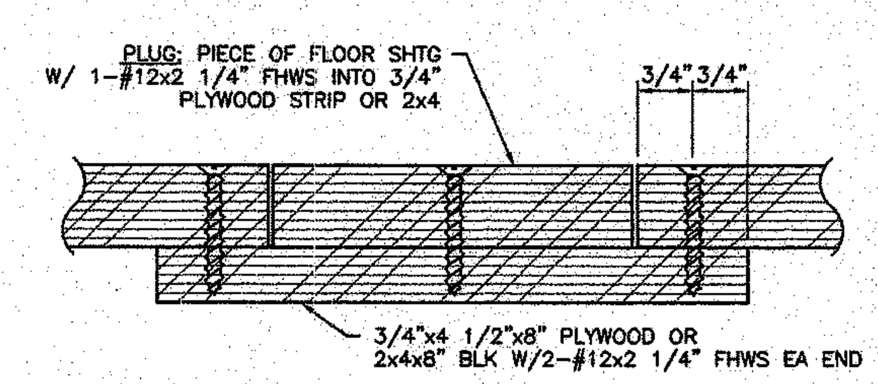
2/S1 — 1 1/2" = 1'-0"



OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART

FOUNDATION DETAIL

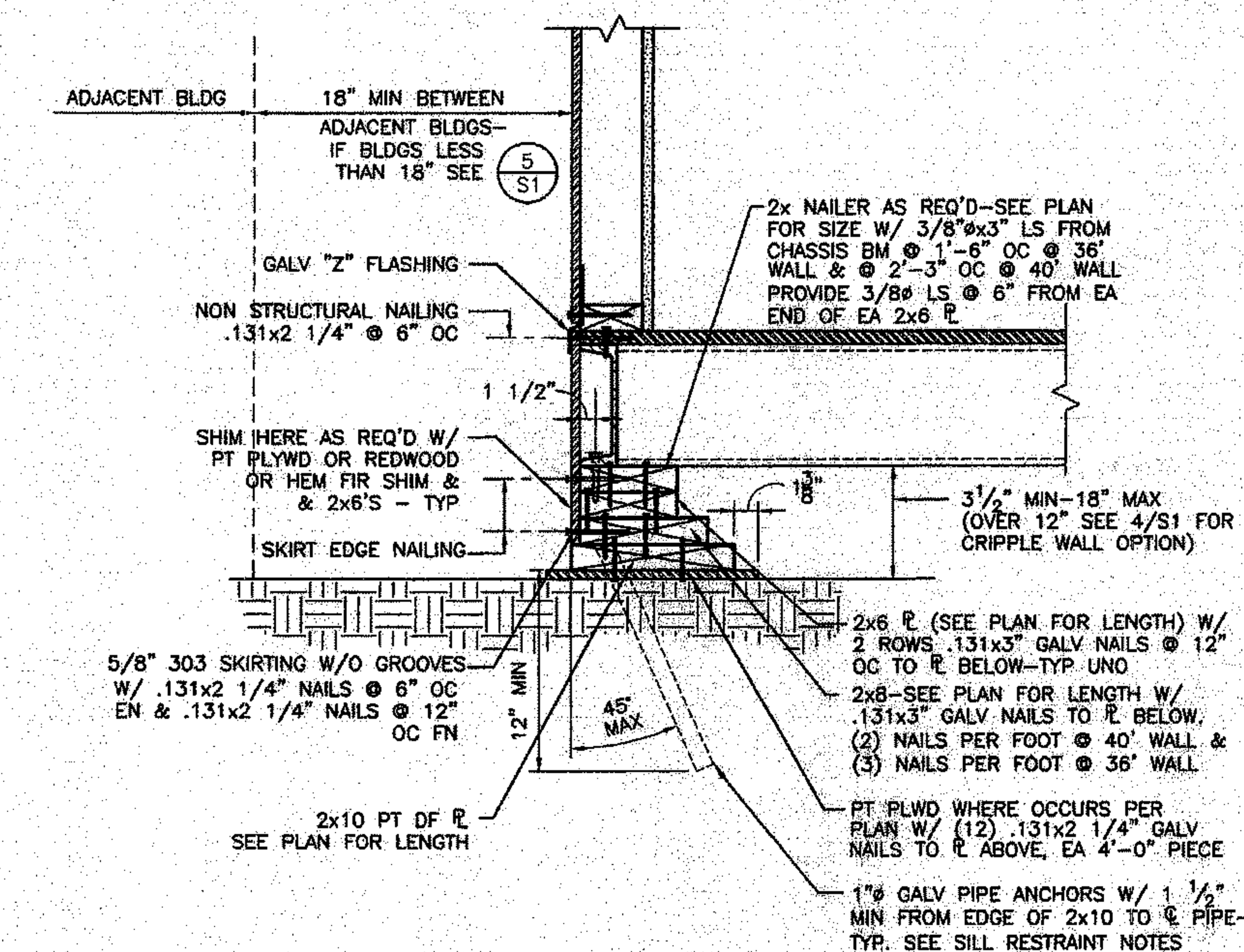
5/S1 — 1 1/2"=1'-0"



FILLER ACCESS HOLE

DETAIL

6/S1 — NO SCALE



FOUNDATION DETAIL

3/S1 — 1 1/2" = 1'-0"

LEGEND:

1	1/2"x12" WIDE x 48" LONG-UNO ON PLAN PT STRUCTURAL PLYWOOD W/ FACE GRAIN IN SHORT DIRECTION (CDX PLYWOOD)
2	NOT USED
3	2x10x8'-0" LONG-UNO ON PLAN, PT ℘ ALT. 2x10 REDWOOD
4	2x8x8'-0" LONG ℘, UNO ON PLAN
5	NOT USED
6	2x8x4'-0" LONG ℘, UNO ON PLAN
7	2x10x4'-0" LONG ℘, UNO ON PLAN (PT ℘ WHERE PLYWOOD DOES NOT OCCUR)
8	MULTIPLE 2x6x8'-0" LONG, UNO ON PLAN, NAILER AS REQ'D FOR HEIGHT
9	MULTIPLE 2x6x4'-0" LONG, UNO ON PLAN, NAILER AS REQ'D FOR HEIGHT- UNO
10	2x10 ℘ SEE 2/S1
11	2x10 BLKG, SEE 2/S1
12	(4) 2x12x2'-0" PT ℘ OR (5) 2x10x2'-0" PT ℘ OR (6) 2x8x2'-0" PT ℘, SEE 2/S1
13	(4) 2x12x2'-0" PT ℘ OR (4) 2x10x2'-0" PT ℘ OR (5) 2x8x2'-0" PT ℘, SEE 2/S1
•	1"ø GALVANIZED PIPE LOCATIONS-TYPICAL

NOTES:

1. TOP OF WOOD PADS TO BE LEVEL.
2. DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
3. SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
4. FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
5. PER THE CONTRACT OF THIS PROJECT-THE BUILDING PAD MUST BE A MINIMUM OF 42'x50' AND SHALL NOT EXCEED 6" OUT OF LEVEL IN ANY DIRECTION.
6. VENT AREA REQUIRED=($\frac{1440 SF}{150 SF}$)=9.6 SF
   VENT AREA PROVIDED=10.1 SF

SILL RESTRAINT:

ON SOIL:	1"ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 10'-0" OC, MIN 2 EA 2x ℘. DRILL SILL 1 1/4"ø MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.
ON A/C PAVING:	1"ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC, MIN 2 EA 2x ℘. DRILL SILL 1 1/4"ø MAX. ALT: 60d HOT DIPPED GALV NAILS THRU PREDRILLED SILL ℘ @ 32" OC
ON CONC PAVING:	1"ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC, MIN 2 EA 2x ℘. DRILL SILL 1 1/4"ø MAX. ALT: 1/2"ø HILTI KBII's THRU SILL ℘ W/ 3 1/2" MIN CONC EMBEDMENT @ 5'-0" OC MAX.

FOUNDATIONS:

ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 2001 CALIFORNIA BUILDING CODE. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE HF#2 OR DF#2 "FOR ABOVE GROUND USE." THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RE-TREATED PER SPECIFICATIONS. LP-2 AND LP-22 MATERIAL SHALL BE BANDED SEPARATELY FOR SHIPMENT TO THE JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH BANDED UNIT SHALL BE ATTACHED TO THE MATERIAL.
CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED.
INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.

36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
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CUSTOMER:

WOOD FOUNDATION PLAN & DETAILS
50 PSF FLOOR LIVE LOAD

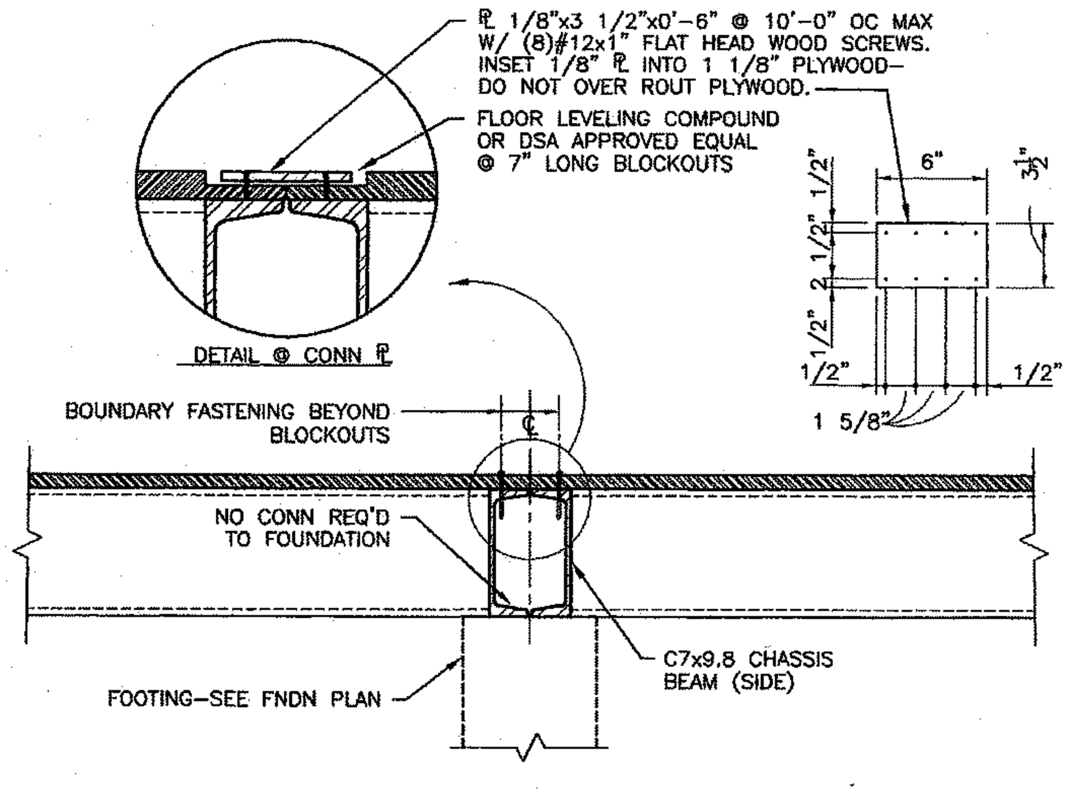
DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

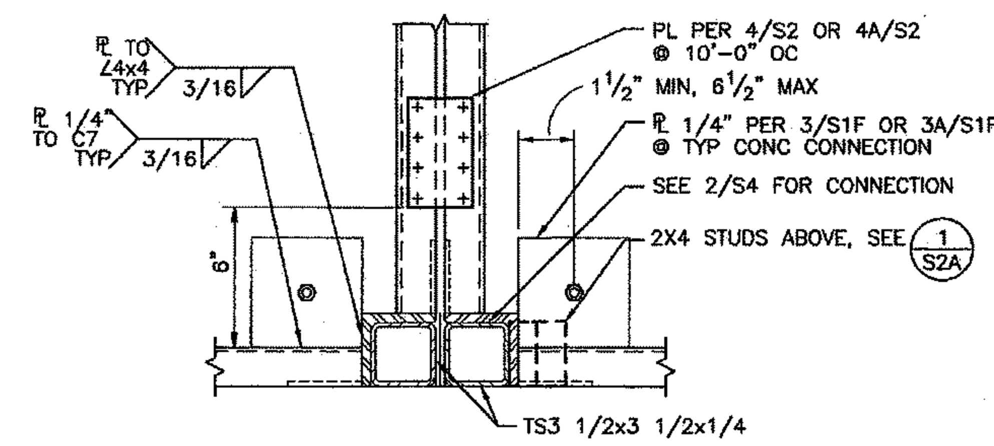
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No. 02156-02

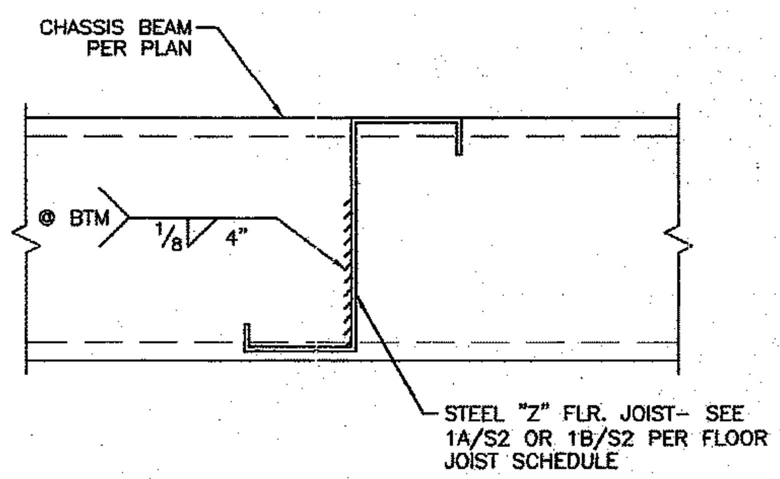
SHEET No. S1



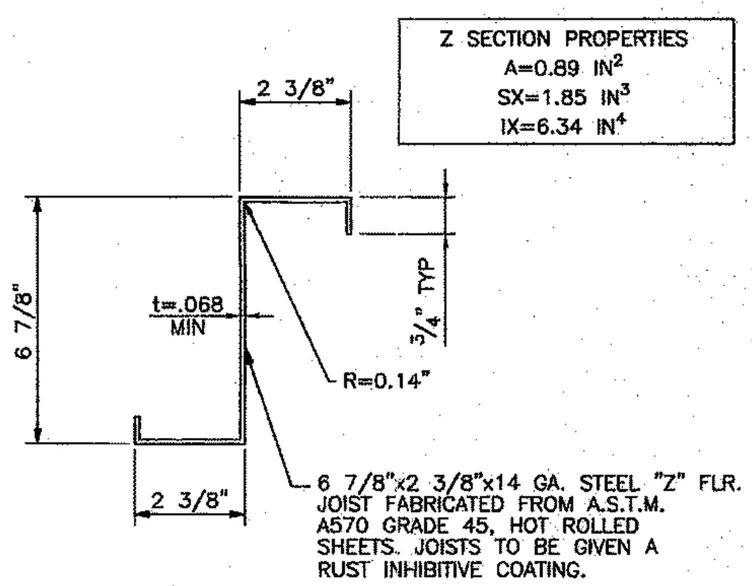
DETAIL 4/S2
1 1/2" = 1'-0"



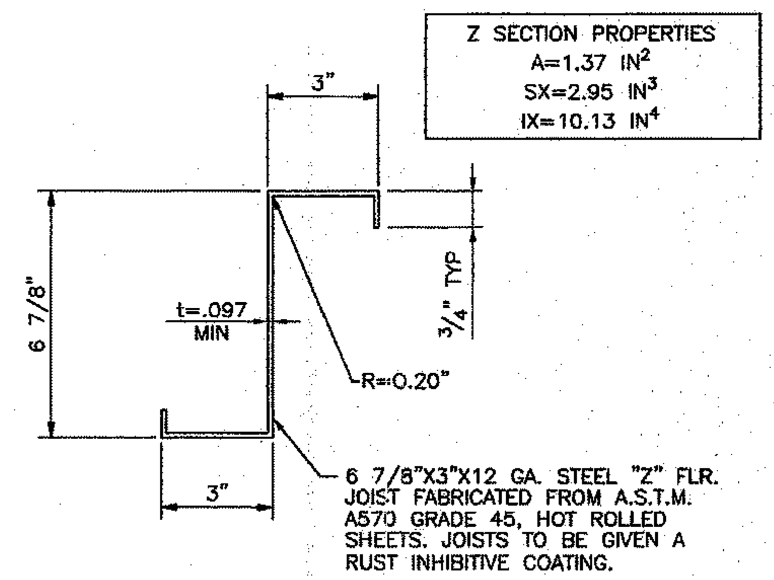
PLAN DETAIL 2/S2
NO SCALE



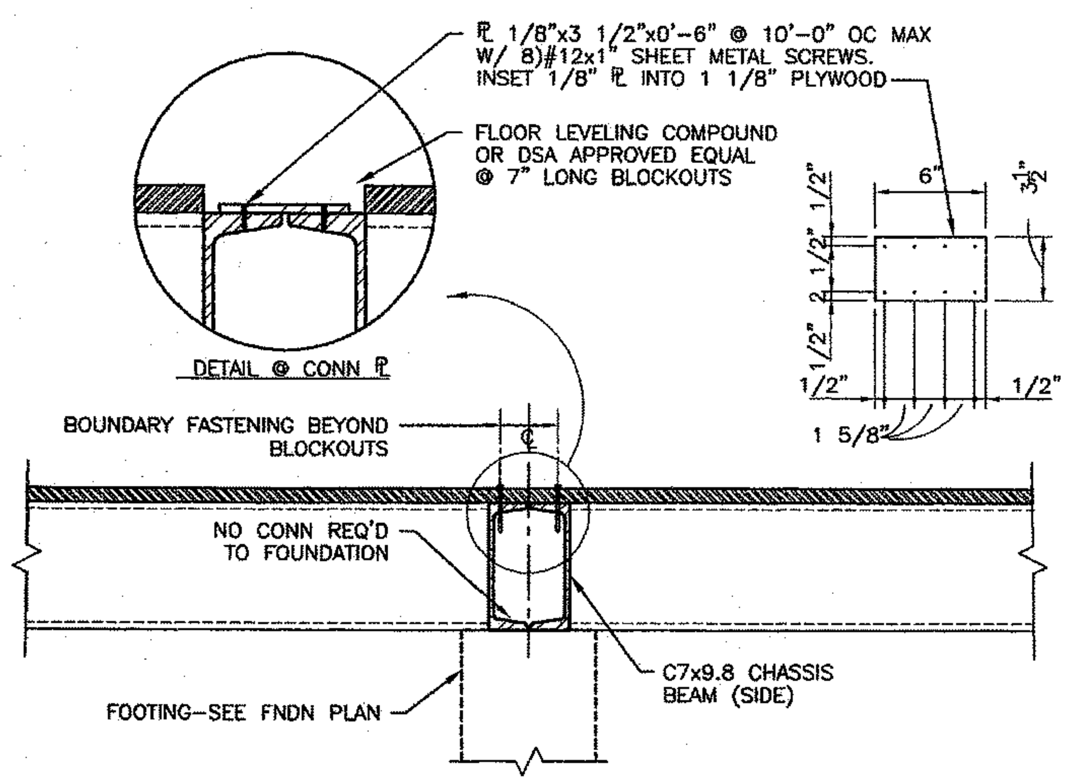
DETAIL 1/S2
NO SCALE



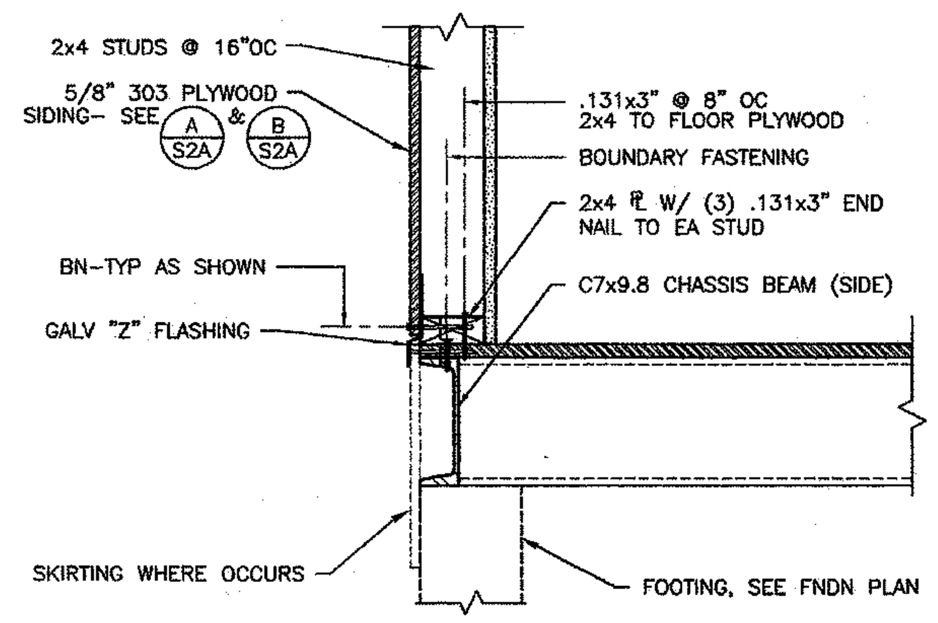
14 GA JOIST
DETAIL 1A/S2
NO SCALE



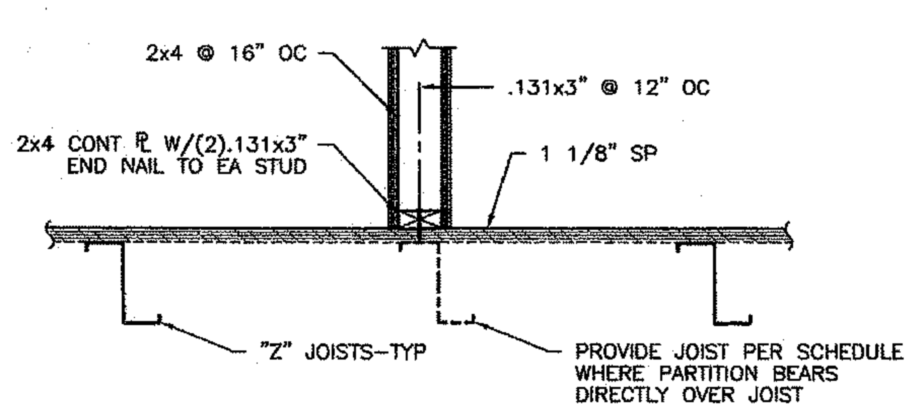
12 GA JOIST
DETAIL 1B/S2
NO SCALE



125 PSF LIVE LOAD
DETAIL 4A/S2
1 1/2" = 1'-0"

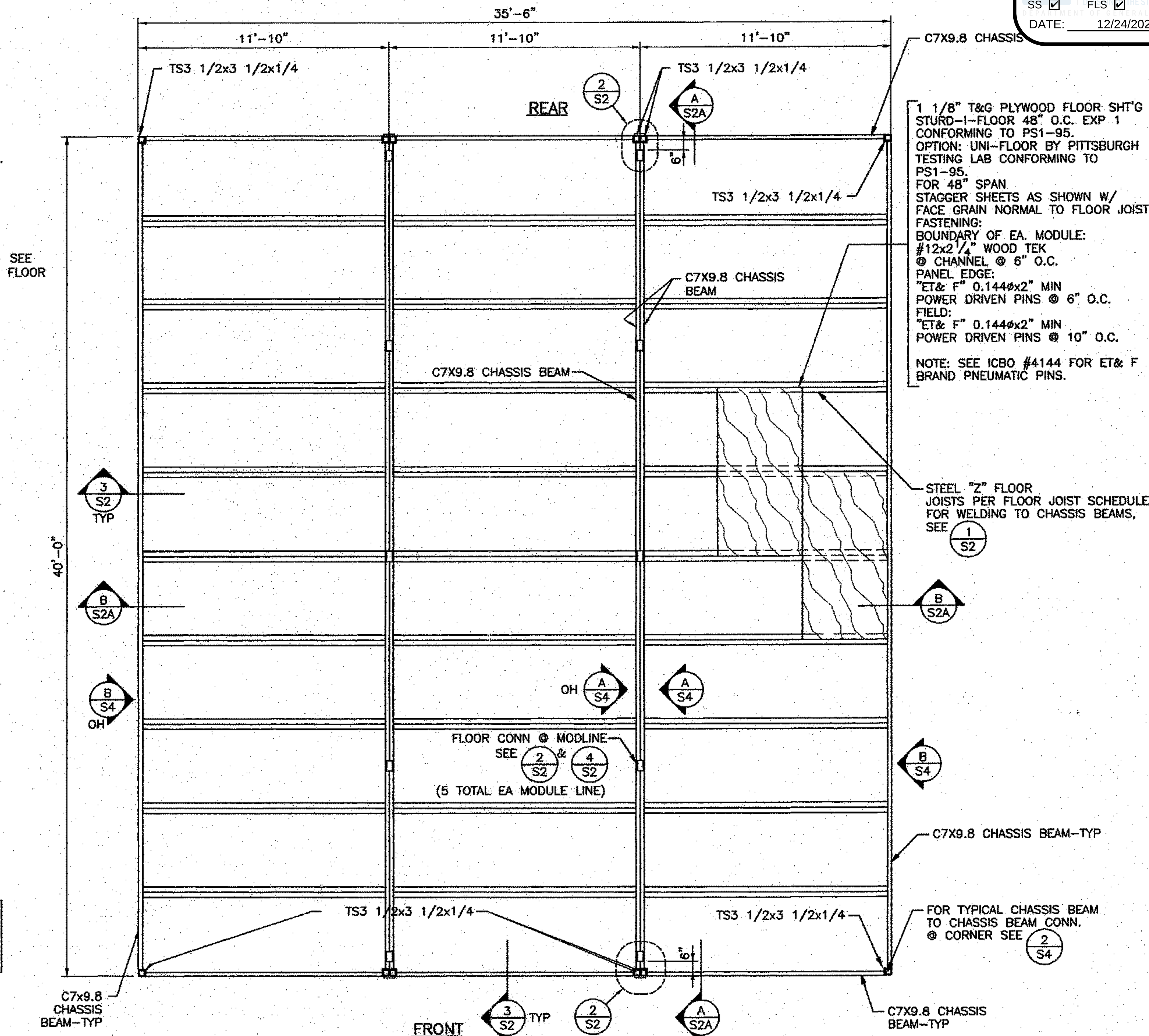


DETAIL 3/S2
1 1/2" = 1'-0"



TYP INTERIOR NON-BEARING WALL BASE

DETAIL 5/S2
1 " = 1'-0"



NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.

FLOOR FRAMING PLAN A/S2
1/4" = 1'-0"

FLOOR JOIST SCHEDULE

LIVE LOAD	SPACING	
	14 GA JOIST	12 GA JOIST
50 PSF	48" OC	48" OC
~~50+20 PSF~~	~~24" OC~~	~~48" OC~~
~~100 PSF~~	~~24" OC~~	~~24" OC~~
~~125 PSF~~	~~-~~	~~24" OC~~

NOTES:
1. FOR JOISTS SEE 1A/S2 AND 1B/S2.
2. SPACING IS TO CENTER LINE OF TOP FLANGE.
3. PROVIDE 12 GA JOIST WHERE PARTITION BEARS DIRECTLY OVER JOIST.

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36 x 40
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
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CUSTOMER:

FLOOR FRAMING PLAN
AND DETAILS

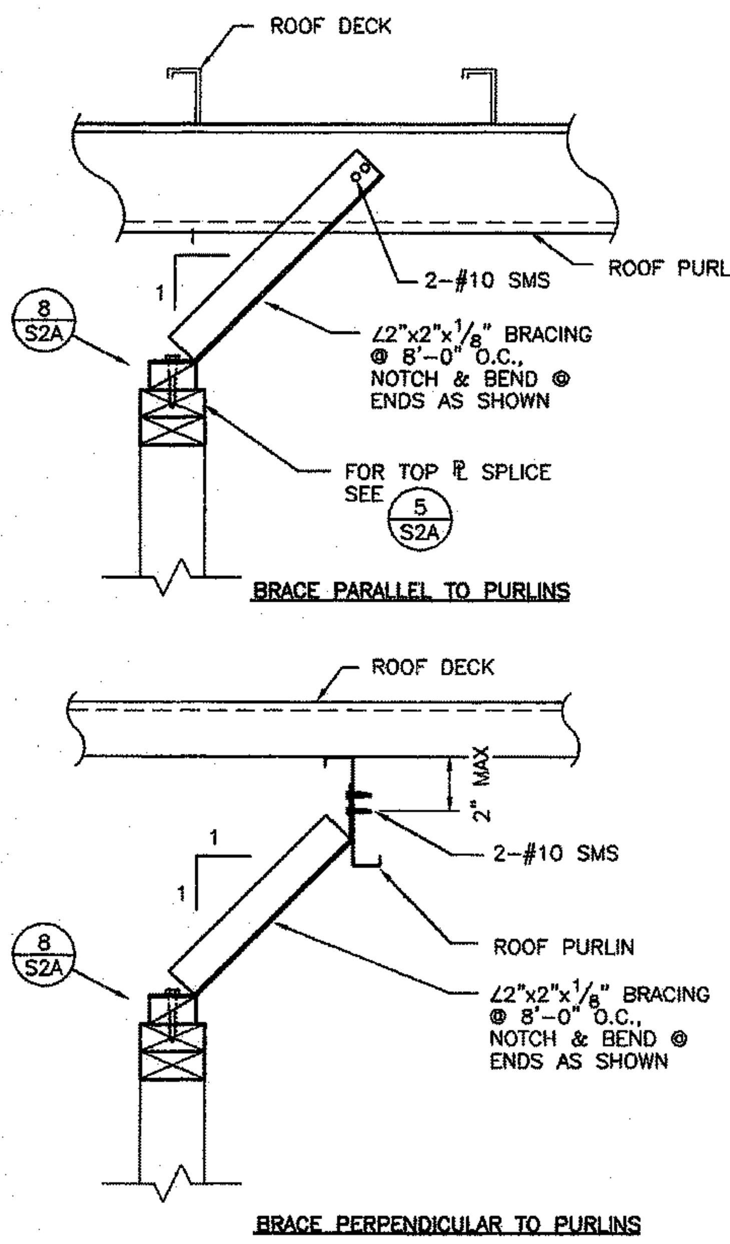
DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

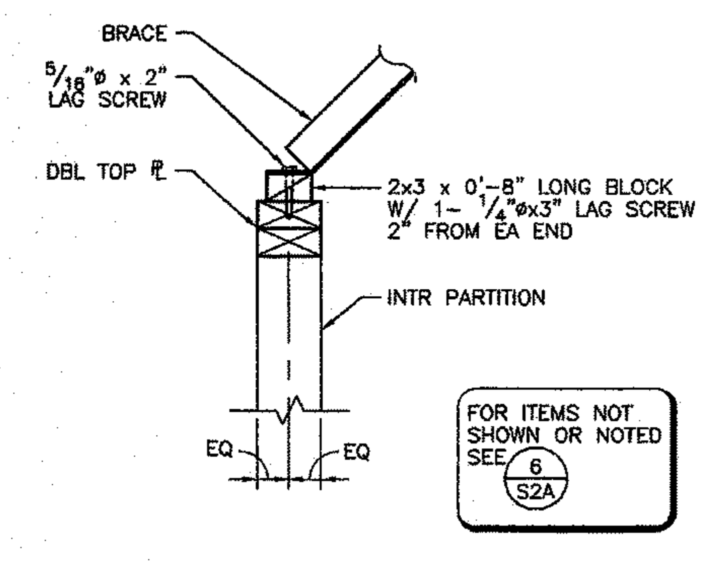
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		
△			△		

PROJECT No.
02156-02

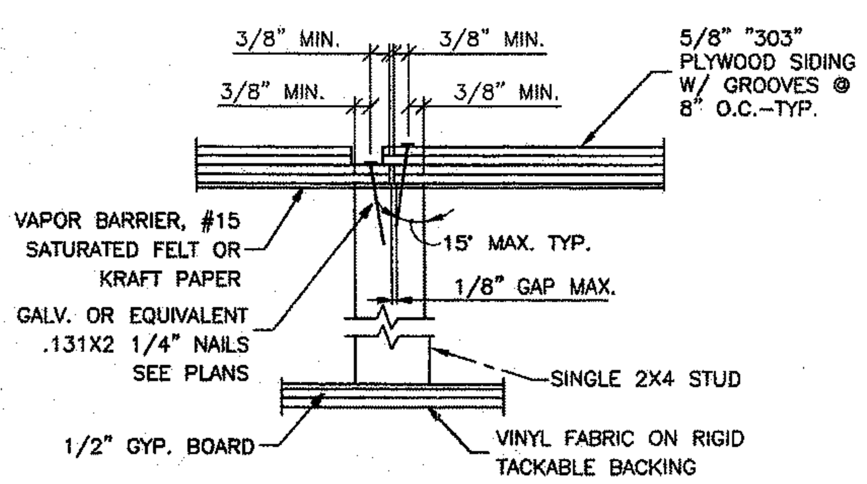
SHEET No.
S2



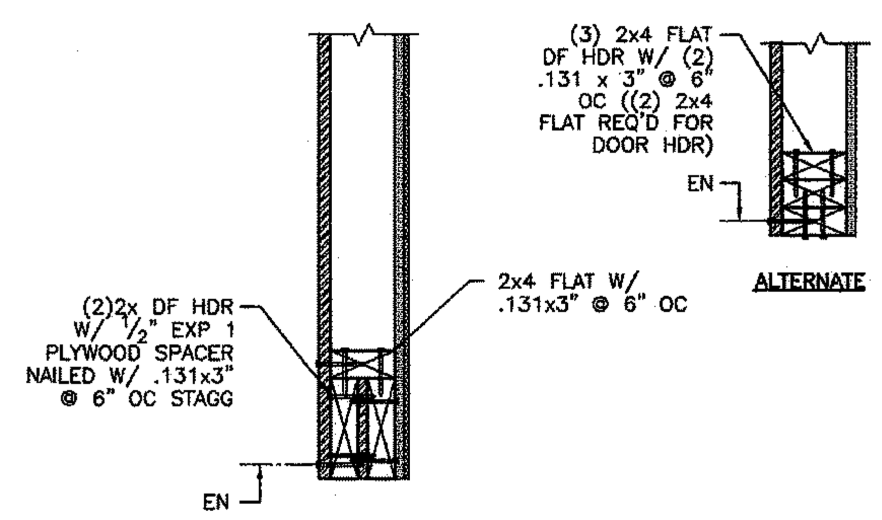
ALT. WALL FRAMING DETAIL
7 S2A 1 1/2" = 1'-0"



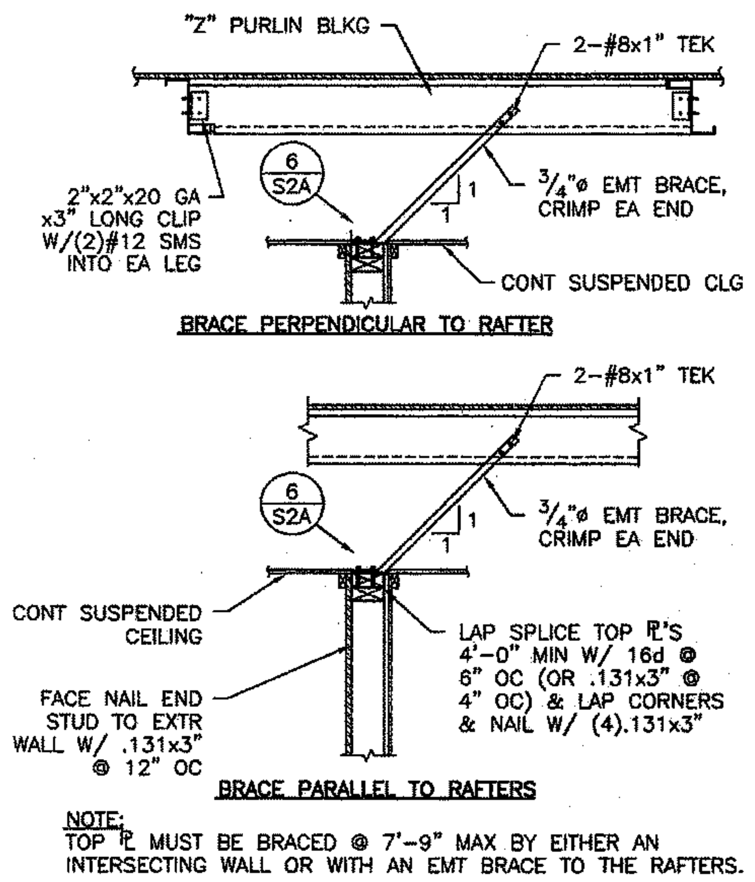
WALL FRAMING DETAIL
8 S2A 1 1/2" = 1'-0"



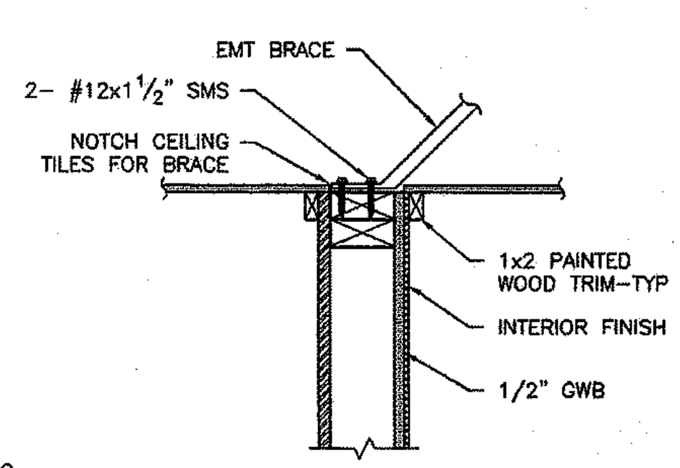
TYPICAL SIDING JOINT DETAIL
9 S2A NO SCALE



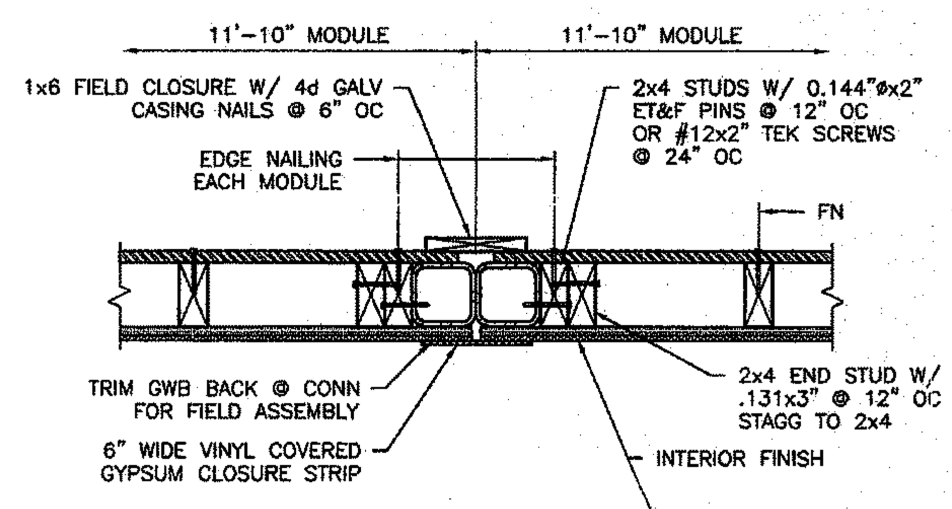
WALL FRAMING DETAIL
4 S2A 1 1/2" = 1'-0"



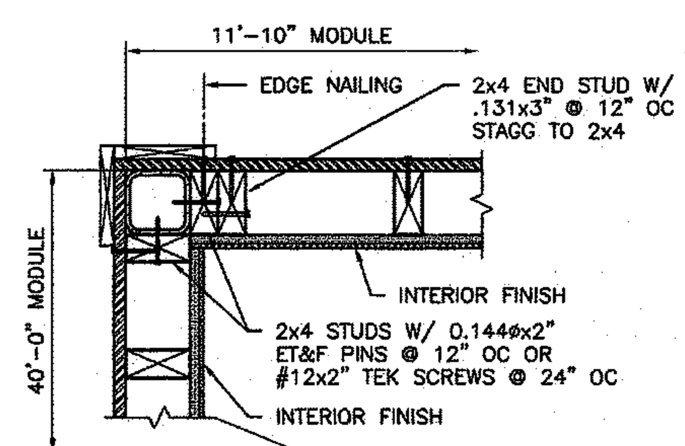
WALL FRAMING DETAIL
5 S2A NO SCALE



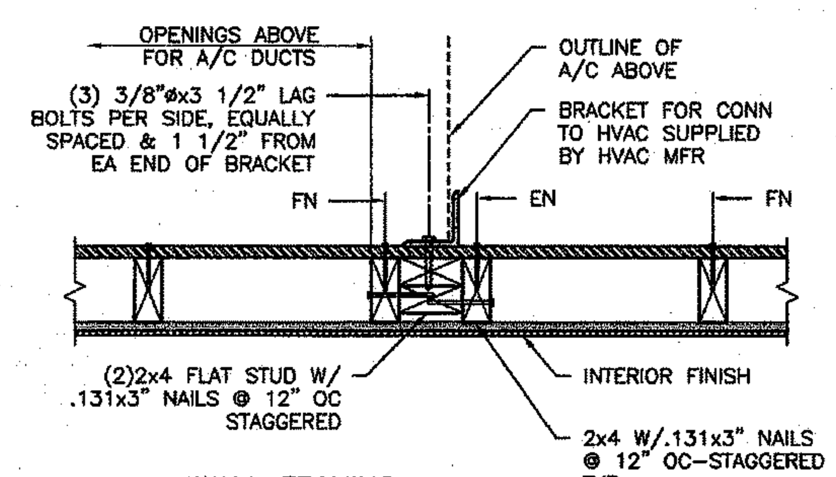
WALL FRAMING DETAIL
6 S2A 1 1/2" = 1'-0"



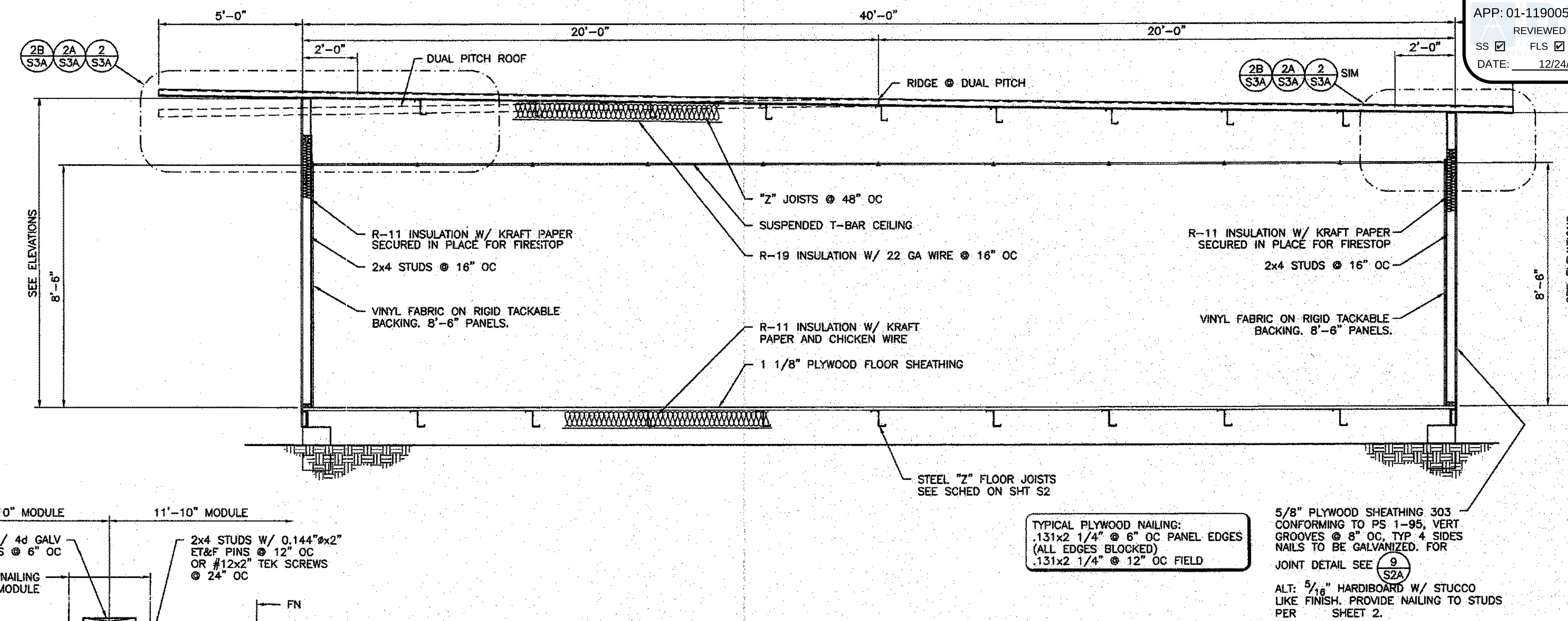
WALL FRAMING PLAN DETAIL
1 S2A 1 1/2" = 1'-0"



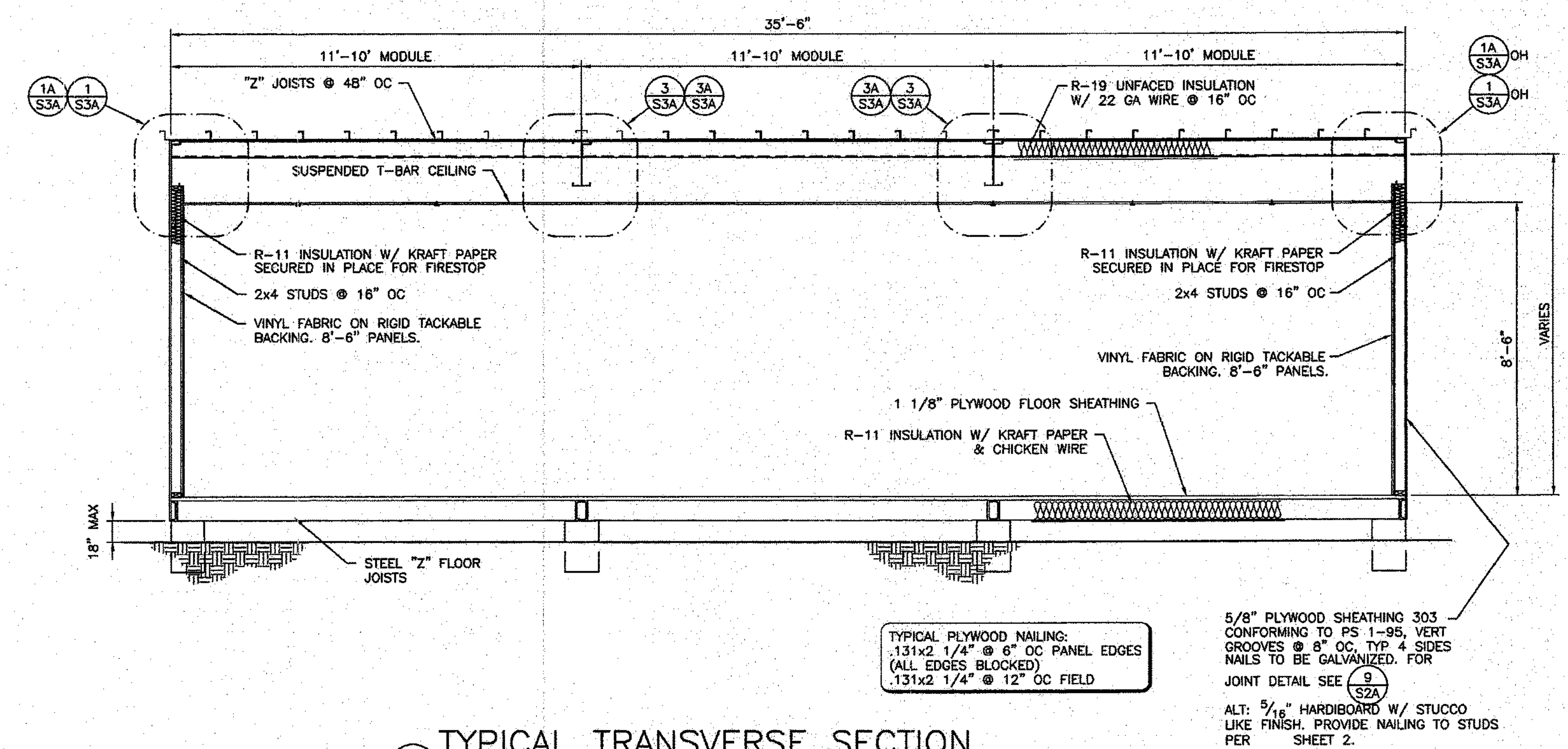
WALL FRAMING PLAN DETAIL
2 S2A 1 1/2" = 1'-0"



WALL FRAMING PLAN DETAIL
3 S2A 1 1/2" = 1'-0"



TYPICAL LONGITUDINAL SECTION
A S2A 3/8" = 1'-0"



TYPICAL TRANSVERSE SECTION
B S2A 3/8" = 1'-0"

LICENSED ARCHITECT, STATE OF CALIFORNIA, No. C 12631

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 106575
DATE 4/28/04

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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO. 02-104925
DATE JUL 01 2003

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36 x 40
RELOCATABLE
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AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

REGISTERED PROFESSIONAL ENGINEER, Kenneth A. Luttrell, No. 1418, EXP. 3-31-05, Structural Engineer, STATE OF CALIFORNIA

CUSTOMER:

BUILDING SECTIONS AND WALL DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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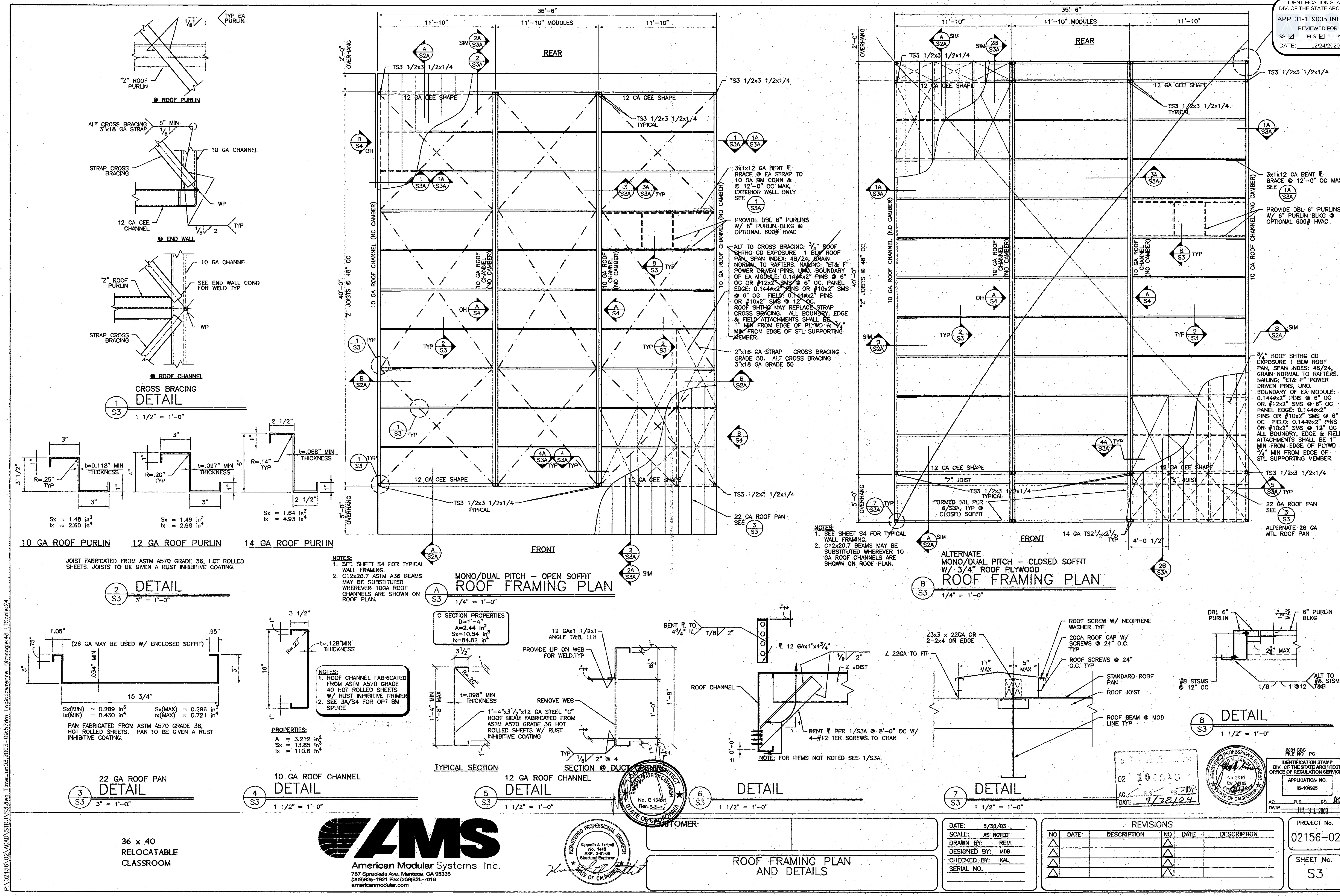
PROJECT No. 02156-02

SHEET No. S2A



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS FLS ACS
DATE: 12/24/2020
@ ROOF PURLIN
@ END WALL
@ ROOF CHANNEL
CROSS BRACING
1 S3 DETAIL
1 1/2" = 1'-0"
10 GA ROOF PURLIN
12 GA ROOF PURLIN
14 GA ROOF PURLIN
JOIST FABRICATED FROM ASTM A570 GRADE 36, HOT ROLLED SHEETS. JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.
2 S3 DETAIL
3" = 1'-0"
NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.
2. C12x20.7 ASTM A36 BEAMS MAY BE SUBSTITUTED WHEREVER 10GA ROOF CHANNELS ARE SHOWN ON ROOF PLAN.
MONO/DUAL PITCH – OPEN SOFFIT
A S3 ROOF FRAMING PLAN
1/4" = 1'-0"
NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.
2. C12x20.7 BEAMS MAY BE SUBSTITUTED WHEREVER 10 GA ROOF CHANNELS ARE SHOWN ON ROOF PLAN.
ALTERNATE
MONO/DUAL PITCH – CLOSED SOFFIT
W/ 3/4" ROOF PLYWOOD
B S3 ROOF FRAMING PLAN
1/4" = 1'-0"
REAR
FRONT
35'-6"
11'-10" MODULES
22 GA ROOF PAN
3 S3 DETAIL
3" = 1'-0"
PAN FABRICATED FROM ASTM A570 GRADE 36, HOT ROLLED SHEETS. PAN TO BE GIVEN A RUST INHIBITIVE COATING.
10 GA ROOF CHANNEL
4 S3 DETAIL
1 1/2" = 1'-0"
NOTES:
1. ROOF CHANNEL FABRICATED FROM ASTM A570 GRADE 40 HOT ROLLED SHEETS W/ RUST INHIBITIVE PRIMER
2. SEE 3A/S4 FOR OPT BM SPLICE
PROPERTIES:
A = 3.212 in²
Sx = 13.85 in³
Ix = 110.8 in⁴
C SECTION PROPERTIES
D=1'-4"
A=2.44 in²
Sx=10.54 in³
Ix=84.82 in⁴
TYPICAL SECTION
SECTION @ DUCT OPENING
12 GA ROOF CHANNEL
5 S3 DETAIL
1 1/2" = 1'-0"
6 S3 DETAIL
1 1/2" = 1'-0"
NOTE: FOR ITEMS NOT NOTED SEE 1/S3A.
7 S3 DETAIL
1 1/2" = 1'-0"
8 S3 DETAIL
1 1/2" = 1'-0"
36 x 40
RELOCATABLE
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AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7016
americanmodular.com
CUSTOMER:
ROOF FRAMING PLAN
AND DETAILS
DATE: 5/30/03
SCALE: AS NOTED
DRAWN BY: REM
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.
REVISIONS
NO DATE DESCRIPTION NO DATE DESCRIPTION
PROJECT No.
02156-02
SHEET No.
S3
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-104925
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

LICENSED ARCHITECT
No. C 12631
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 100015
AC FLS
DATE 4/28/04

REGISTERED PROFESSIONAL ENGINEER
No. 2310
STRUCTURAL
STATE OF CALIFORNIA

2001 CBC
FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO.
02-104925
AC FLS SS
DATE JUL 3 1 2003

36 x 40
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AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
EXP. 3-31-05
Structural Engineer
STATE OF CALIFORNIA

CUSTOMER:

ROOF SECTIONS & DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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△			△		
△			△		
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PROJECT No.
02156-02

SHEET No.
S3A

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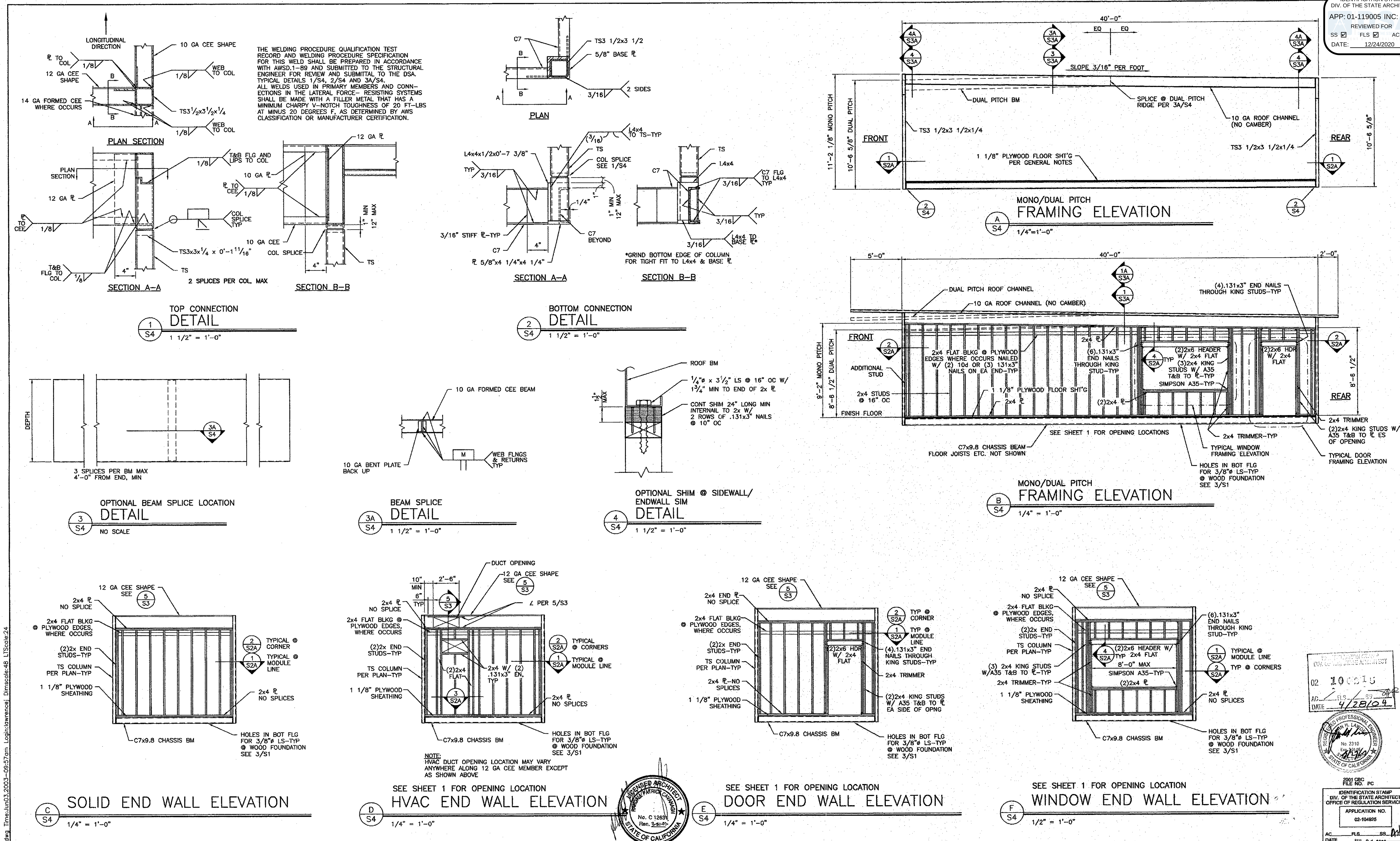


IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

2001 CBC FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO. 02-104925
DATE JUL 3 1 2003

36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:

WALL FRAMING ELEVATIONS
AND FRAME DETAILS

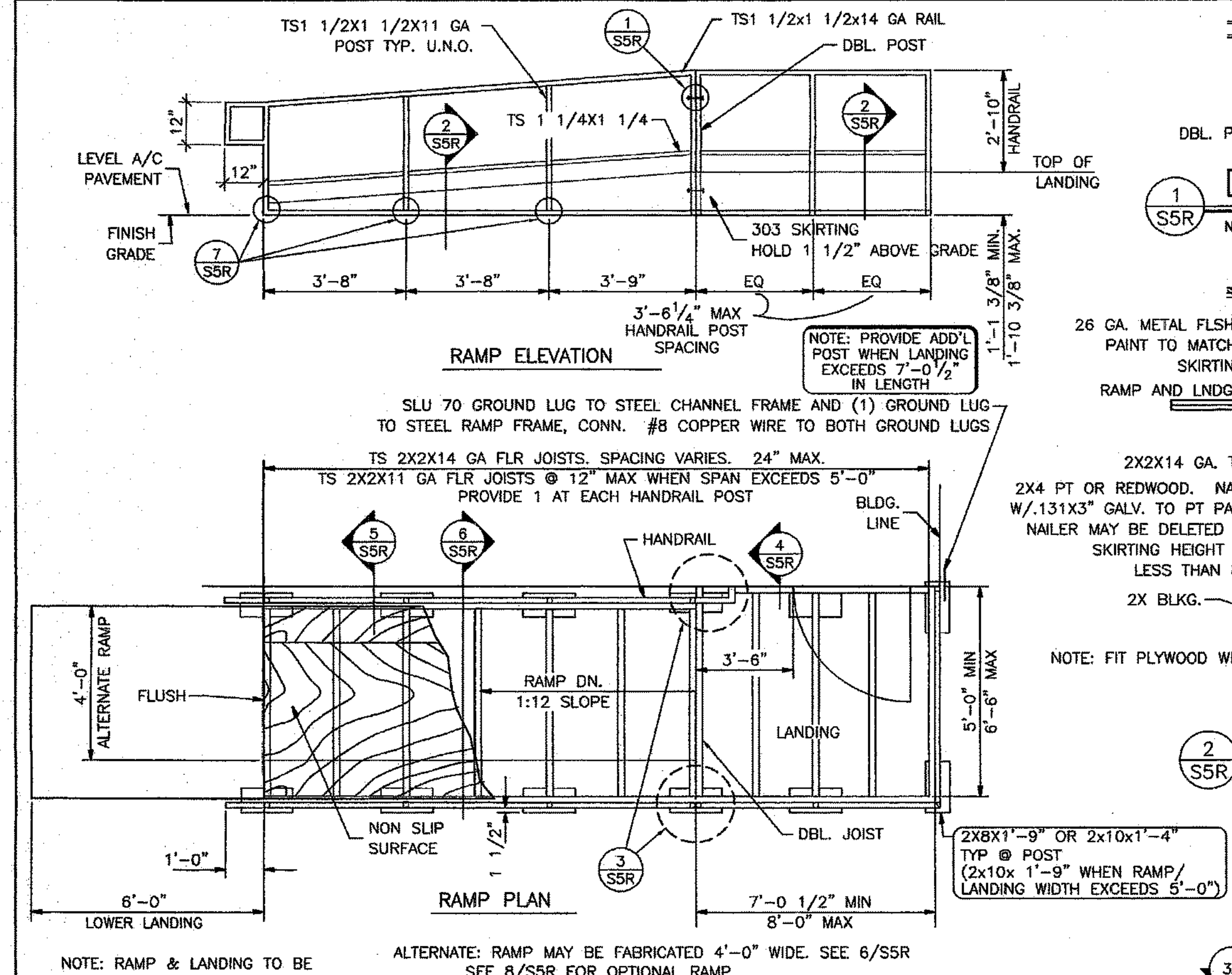
DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

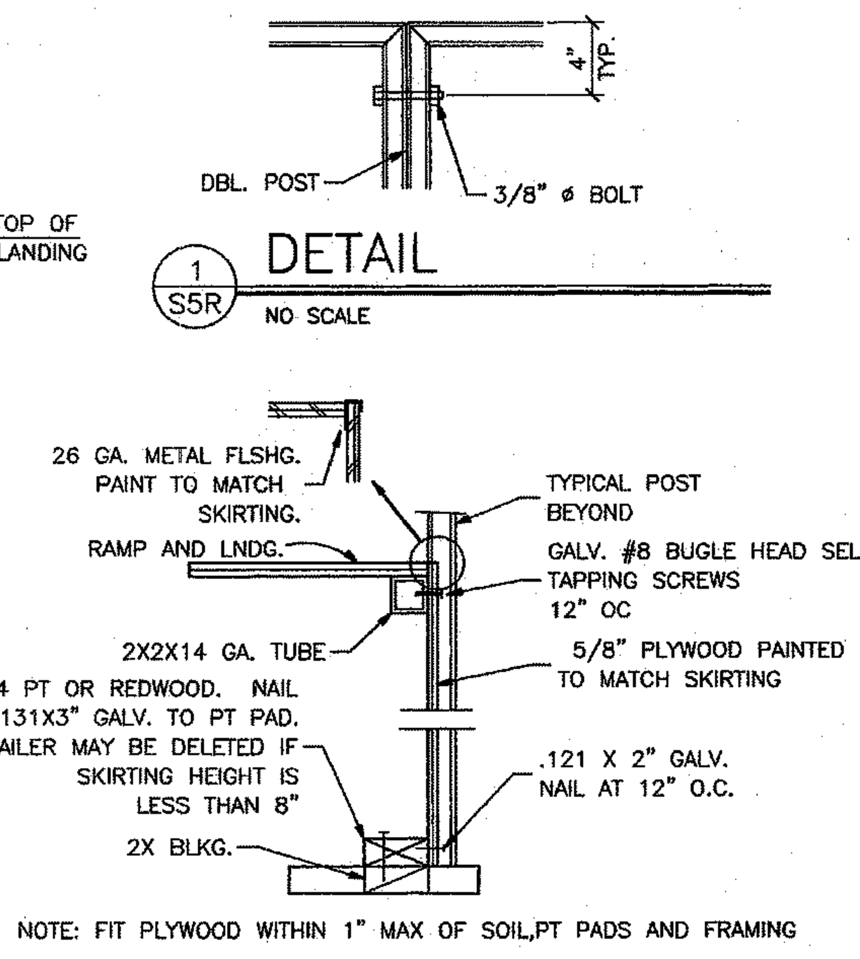
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No. 02156-02

SHEET No. S4

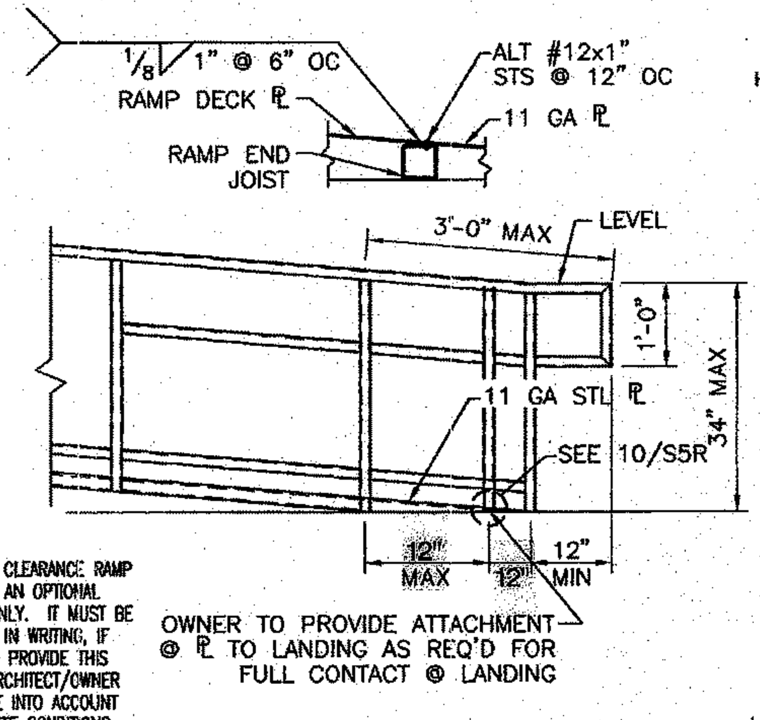


A/S5R RAMP
3/8"=1'-0"



1/S5R DETAIL
NO SCALE

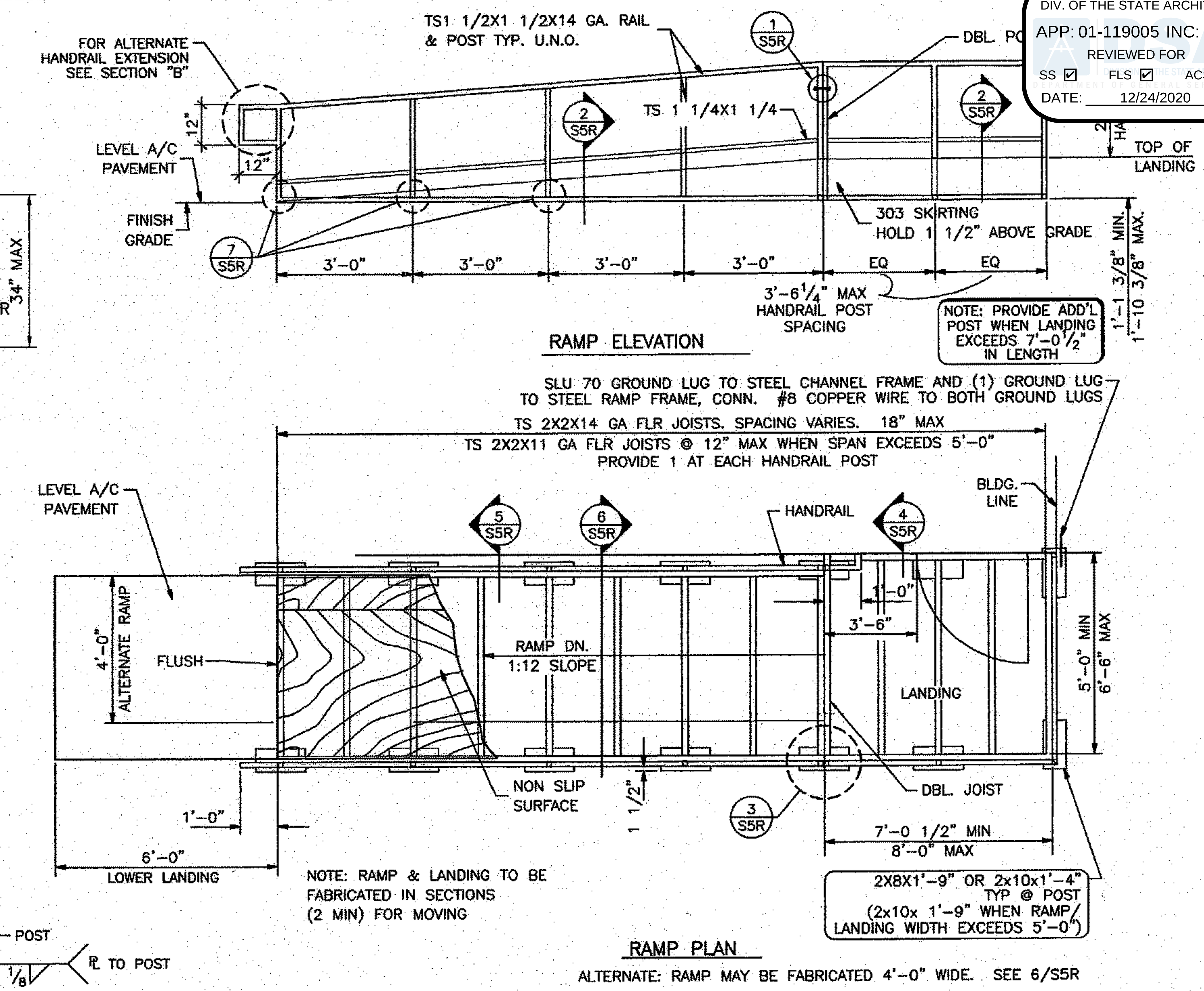
RAMP SKIRT
2/S5R DETAIL
NO SCALE



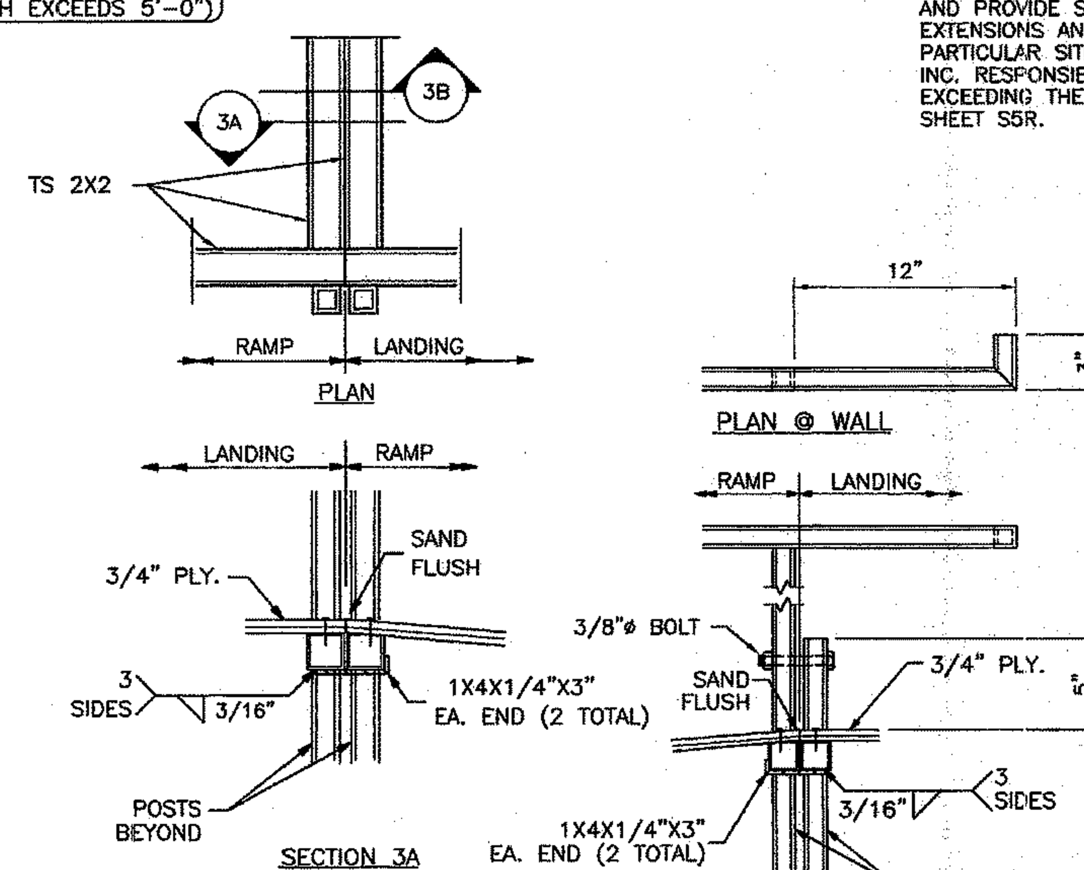
NOTE:
THE ZERO CLEARANCE RAMP LAYOUT IS AN OPTIONAL METHOD ONLY. IT MUST BE APPROVED IN WRITING, IF AMS IS TO PROVIDE THIS OPTION. ARCHITECT/OWNER MUST TAKE INTO ACCOUNT VARYING SITE CONDITIONS, GRADE CHANGES, BUILDING SEPARATION, ETC.

TYP ZERO CLEARANCE RAMP
9/S5R DETAIL
NO SCALE

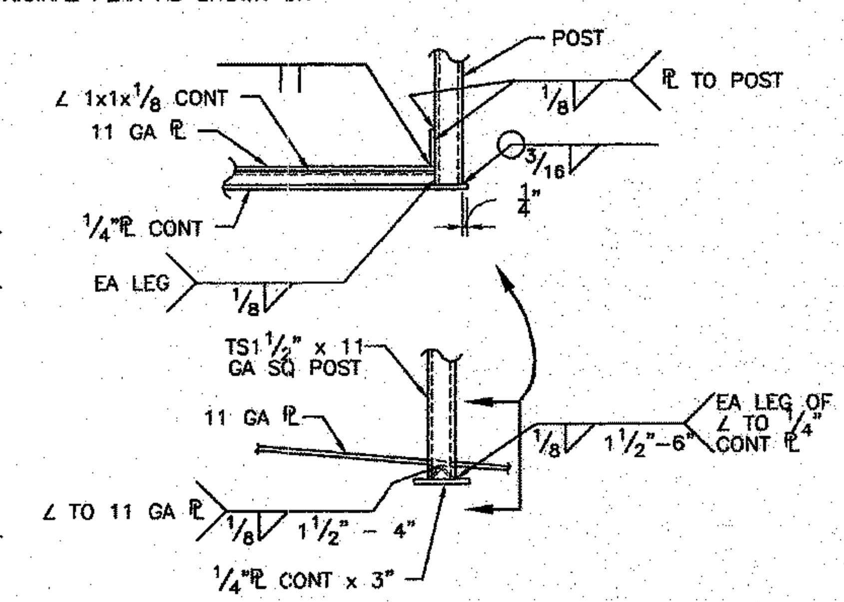
NOTES:
1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP @ 34".
3. LANDING AND RAMP TO HAVE NON SLIP SURFACE.
4. PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/ #8 CU TO BOTH GROUND LUGS.
5. DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE, IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY AMS INC. IS 12'-0" AT A SLOPE OF 1:12. THEREFORE, THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS AMS INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET S5R.



8/S5R RAMP- OPTIONAL (14 GA POSTS)
3/8"=1'-0"



HANDRAIL
3/S5R DETAIL
NO SCALE



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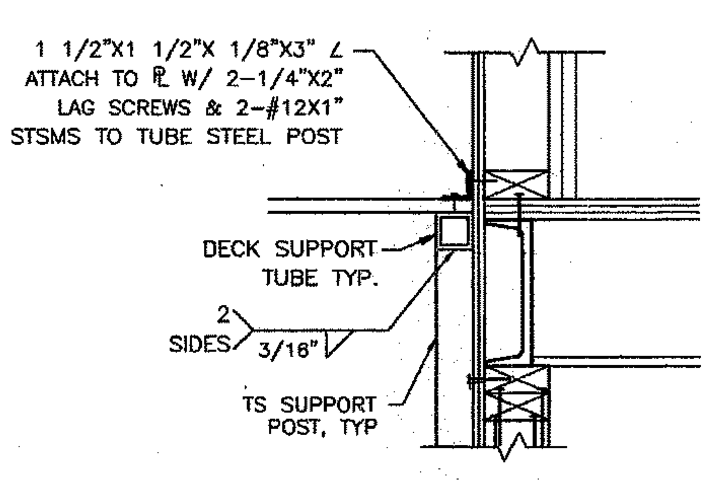
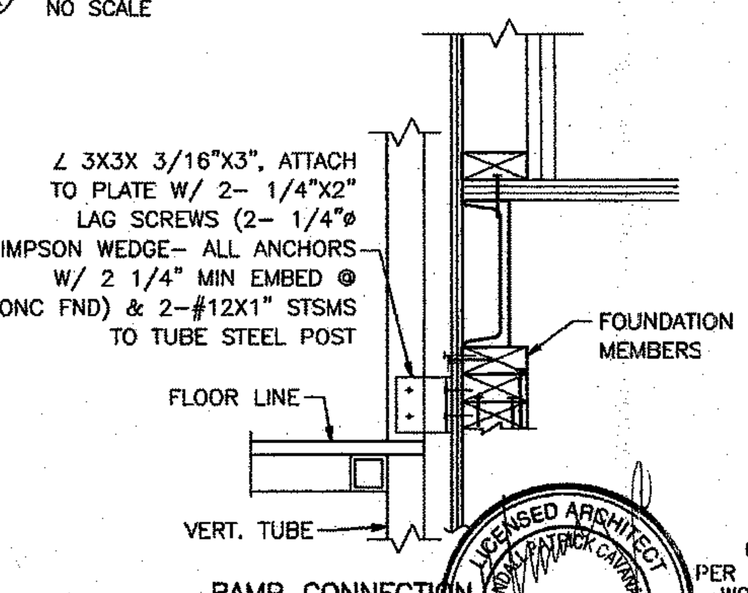
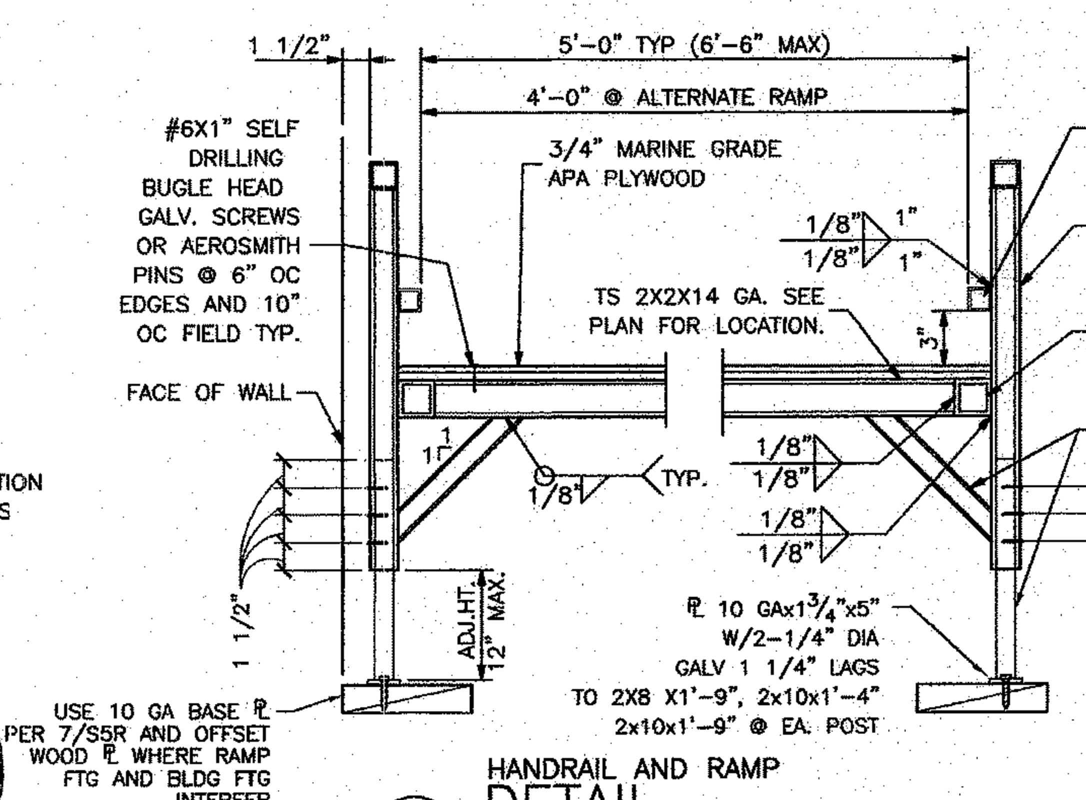


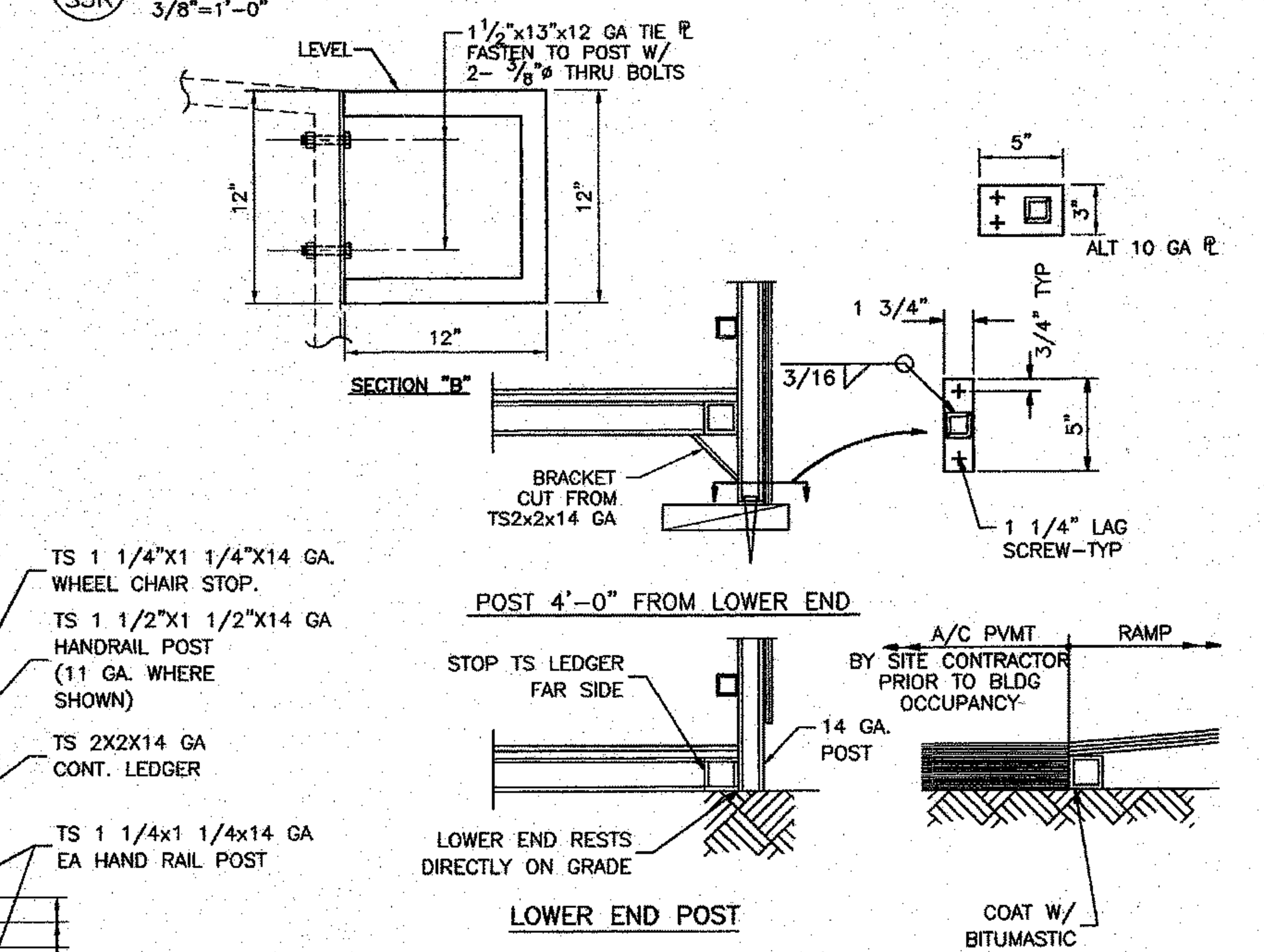
LANDING ATTACHMENT/ SUPPORT
4/S5R DETAIL
NO SCALE



RAMP CONNECTION
5/S5R DETAIL
NO SCALE



HANDRAIL AND RAMP
6/S5R DETAIL
NO SCALE



7/S5R DETAIL
NO SCALE

ENTRY RAMP AND LANDING SPECIFICATIONS

EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 1133B.5, 1006 AND 1007. THE RAMP AND LANDING STRUCTURES INCLUDING HANDRAIL AND WHEEL GUIDES ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE.
DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. TUBING SHALL BE STEEL CONFORMING TO ASTM A500 GRADE B. THE RAMP SURFACE SHALL BE 3/4" MARINE GRADE PLYWOOD.
RAMP AND LANDING SHALL HAVE A NON-SLIP (0.7 MIN C.O.F.) SURFACE FINISH APPLIED. NON-SLIP FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN CHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SPEC SECTION 9E. RAMPS SHALL HAVE HANDRAILS ON BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTIONN TO THE INTEGRAL RAMP HANDRAIL.
RAMP AND LANDING SHALL BE FULLY SKIRTED WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE SKIRT 1" MAXIMUM

FLOOR DECKING:

3/4" MARINE EXT. APA 48/24 PLYWOOD W/ NON-SLIP SURFACE. (SEE ALTERNATE) DECK SURFACES SHALL BE SEALED ON ALL SIDES. FASTENED TO STEEL FLOOR MEMBERS WITH #10-24 X 1 1/4" LONG PLY-METAL TYPE SCREWS @ 12" O.C.

ALT. FLOOR DECKING:

1. 11 GA SHEET METAL WITH NON-SLIP SURFACE.

GROUNDING OF BUILDING COMPONENTS:

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECCESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.) GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHERS AND MEET THE REQUIREMENTS OF I.R. M-5 ISSUED BY DSA.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO. 02-104925
AC ___ FLS ___ SS ___
DATE JUL 31 2003

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
02 104315
AC ___ FLS ___ SS ___
DATE 4/28/04

LICENSED ARCHITECT No. C 12631 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER Kenneth A. Luttrell No. 1418 EXP. 3-31-05 Structural Engineer STATE OF CALIFORNIA

PROFESSIONAL ENGINEER No. 2310 STATE OF CALIFORNIA

2001 CBC FILE NO. PC

36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:

RAMP PLAN, ELEVATIONS
AND DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No. 02156-02

SHEET No. S5R

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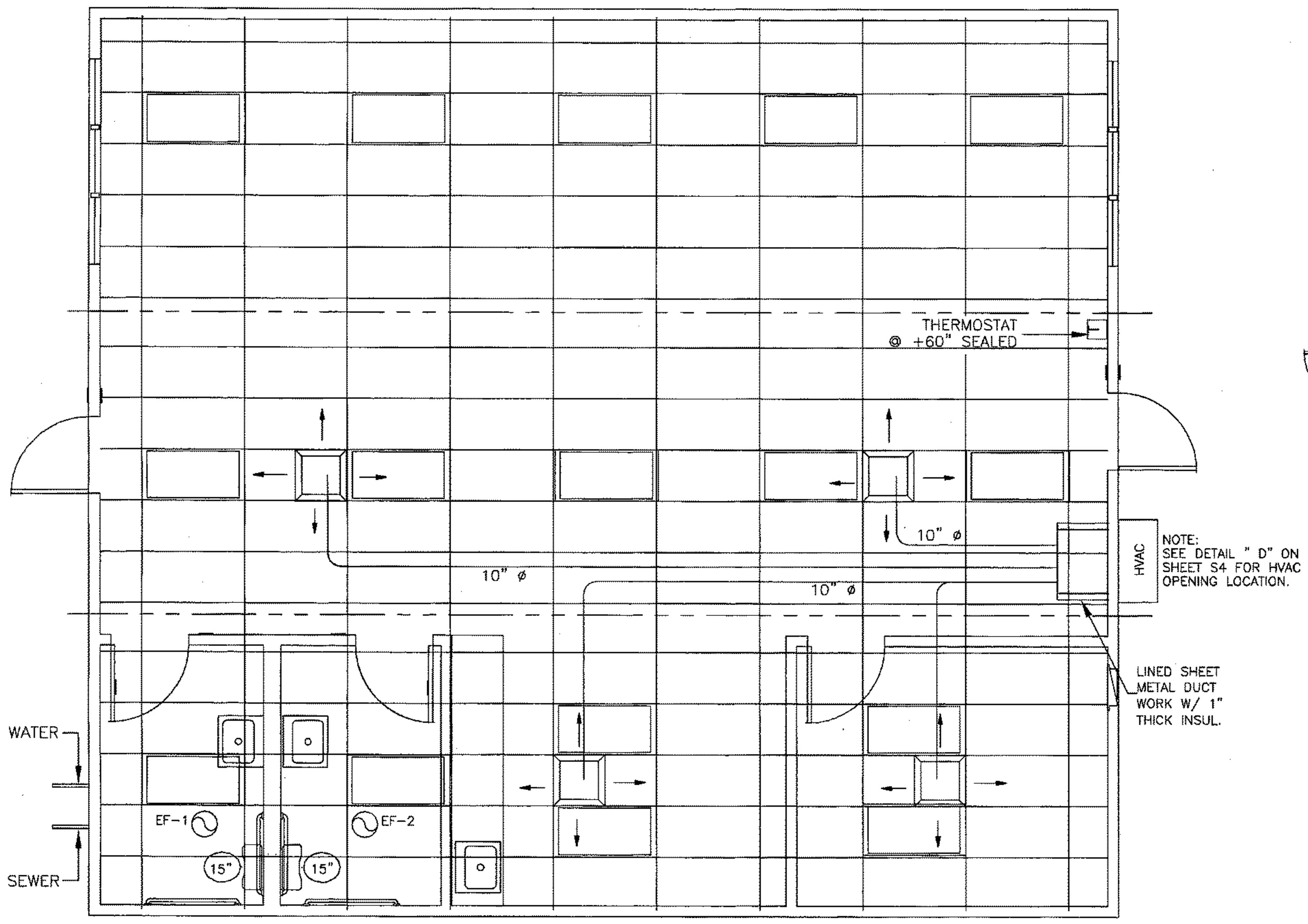
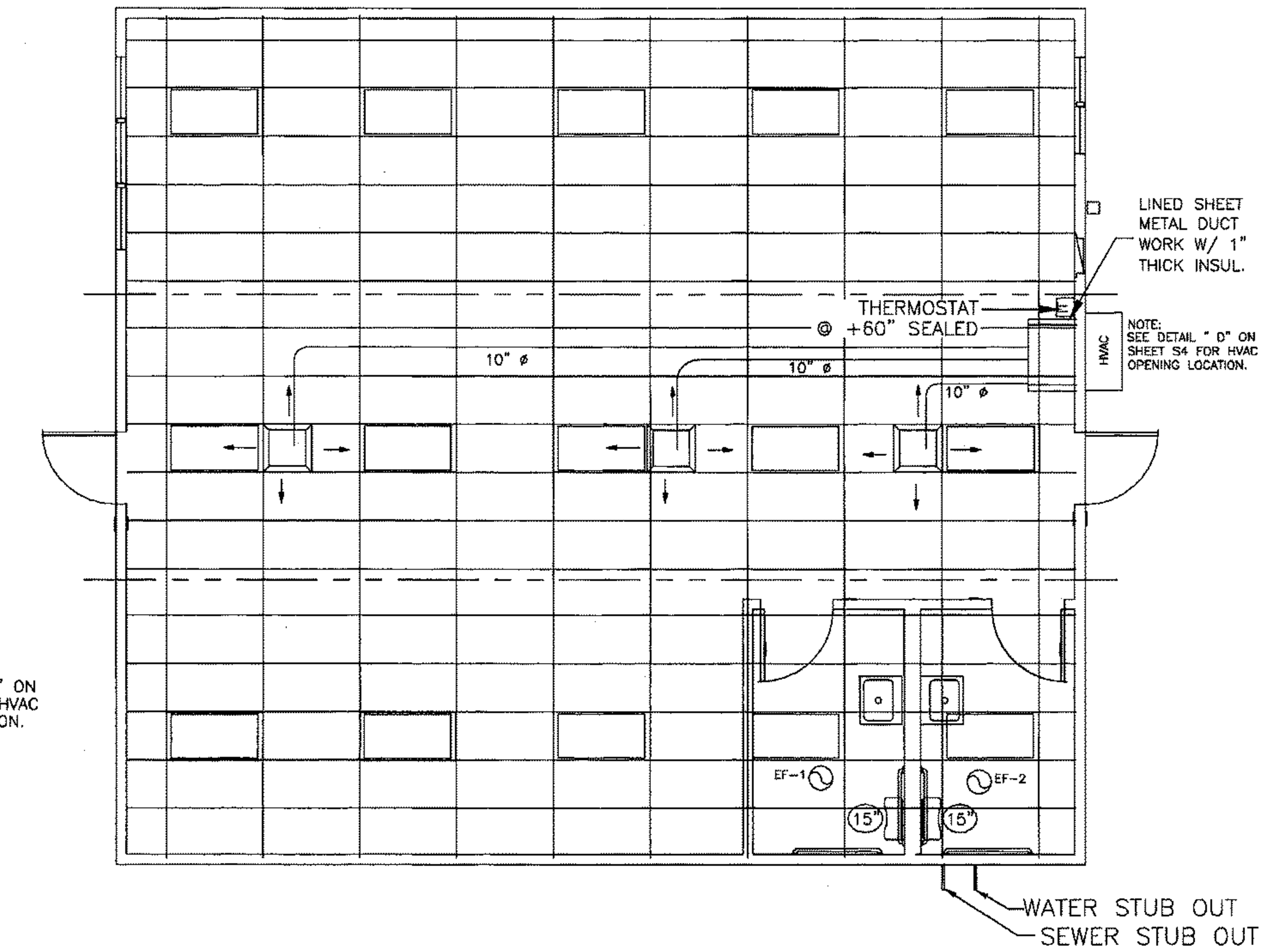


B
M1
HEAT/SUPPLY AIR DUCT LAYOUT

MIRA VISTA MMM#04-906-444
BAYVIEW MMM#04-906-445
450
451
452
SCALE: 1/4"=1'-0"



D
M1
HEAT/SUPPLY AIR DUCT LAYOUT

MURPHY MMM#04-906-448
SCALE: 3/16"=1'-0"

TITLE 24 ENERGY COMPLIANCE SUMMARY

PC # 02-104925
BUILDING DESCRIPTION: 36X40 Relocatable Building

Note: See Title 24 Energy Compliance Report Booklet for More Details.

Manufacturer: American Modular Systems

Envelope Measures

INSULATION	GLAZING
Roof: R-19 (Batt)	Panes: Dual U-Factor: 0.65
Wall: R-11 (Batt)	Frames: Metal SHGC: 0.34
Floor: R-11 (Batt)	Tinting: Solar Gray Tinting

Lighting Measures

Code:	Quantity:	Description:	Lamp/Ballast:	Total Watts:
A	12	(3) 4ft fluorescent T8 Elec Tandem	F32T8 / Electronic	1,056
B	3	(3) 4ft fluorescent T8 Elec	F32T8 / Electronic	339

Controls for Credit: Occ Sensor > 250 sq ft

Mechanical Measures

Modular:	Type:	Qty:	OSA:	Cooling Eff.:	Heating Eff.:
36x40	BARD WH602-A	1	1,065	10.20 SEER	7.00 HSPF

HP T-Stat: ■ Electric Heat (KW): 0.0 kw Duct Location: Conditioned Space
Economizer: ☐ Duct Isulation: R-4.2

HVAC CFM CHART

MODEL NUMBER	DISCRIPTION	MAX. CFM
~~WH421-A~~	~~3 1/2 TON HEAT PUMP~~	~~1400~~
~~WH482-A~~	~~4 TON HEAT PUMP~~	~~1550~~
WH602-A	5 TON HEAT PUMP	1700

EXHAUST FAN

MARK	DISCRIPTION	CFM	WATTS	S.P.	VOLT/PH	
EF-1	EXHAUST FAN	110	1050	.10"	115-1ø	NUTONE 672 CEILING MOUNTED 180W INPUT
EF-2	"	"	"	"	"	
~~EF-3~~	"	"	"	"	"	
~~EF-4~~	"	"	"	"	"	

NOTE
STUB OUT LOCATIONS FOR WATER, WASTE AND GAS ARE DIAGRAMITICAL ONLY.
EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS.
POINT OF CONNECTION WILL BE AT THE FACE OF THE BUILDING.

BUILDING FIXTURES, EQUIPMENT, & APPLIANCE SPECIFICATIONS

A. L – Lavatory, Eljer 051-2104.
Elger 557-1012 faucet with lever handles, Eljer 760-strainer 1/2"x3/8" tubing angle supplies Chicago faucet #1017. 17 ga. chrome plated p-trap with clean out and insulated w/a maximum flame spread of 25 & smoke density of 450.

B. WC – Water closets, shall be water saver tank type elongated bowl with open front toilet seat and shall be mounted as specified on floor plan and in compliance with Title 24. Provide 32 childrens toilets
WC2 (seat ht. 15"): Eljer #091-0225

C. Grab Bars – 1-1/4" Diameter, 18 ga., 304 stainless steel, satin finish, 1-1/2" stand off from wall, concealed or exposed mounting. Structural strength of grab bars (250# min.), mounting length (see floor plan), and configuration shall be as required by Title 24, section 2-411.C.

D. Toilet Room Mirrors – Bobrick B165 or equal, 18x30 stainless steel channel framed, mounted above each toilet room sink at +40" max.

E. Sewer And Water Stub Outs – shall be located within the allowable area as shown on floor plan and connections should be easily accessible for future relocation. Stub out height should be coordinated by the manufacturer.

F. Piping – Water, copper type "L", 95/5 solder. Waste, drain and vent ABS.

H. Classroom Sink-Republic25X22 stainless steel, with T&S 1142 faucet w/wrist blade handles, and HAWS 5054 bubbler.

GENERAL NOTES
HEATING VENTILATING AND AIR CONDITIONING (HVAC)
1. Heat Pump: Single package wall mounte[d] electric heat pump unit shall be rated with ARI Standard 240-77.
Reference Brands: ~~BARD WH421A-X~~
~~BARD WH482A-X~~
ALL BLDGS.: BARD WH60A-XXXXXX W/ ERV

MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT

All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards.
A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer
B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.

2. Ductwork.
A.) Construct all ductwork of galvanized sheet metal in accordance with C.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 2'-0" of HVAC unit.

B.) Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 2' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure.
Reference Brands: Owens-Corning fiberglass ductboard, 1" thick, and Micro-aire, TYPE 475.
Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.

3. Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.

4. Supply air diffusers shall be 675 CFM max. 12" round. 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, or equal and 90- B: UL #131 test, class 1 rating with "SMACNA".

5. Registers and diffusers: Provide three (Min) 4-way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, Shoemaker, Barber-Coleman or Krueger commercial grade grills and registers

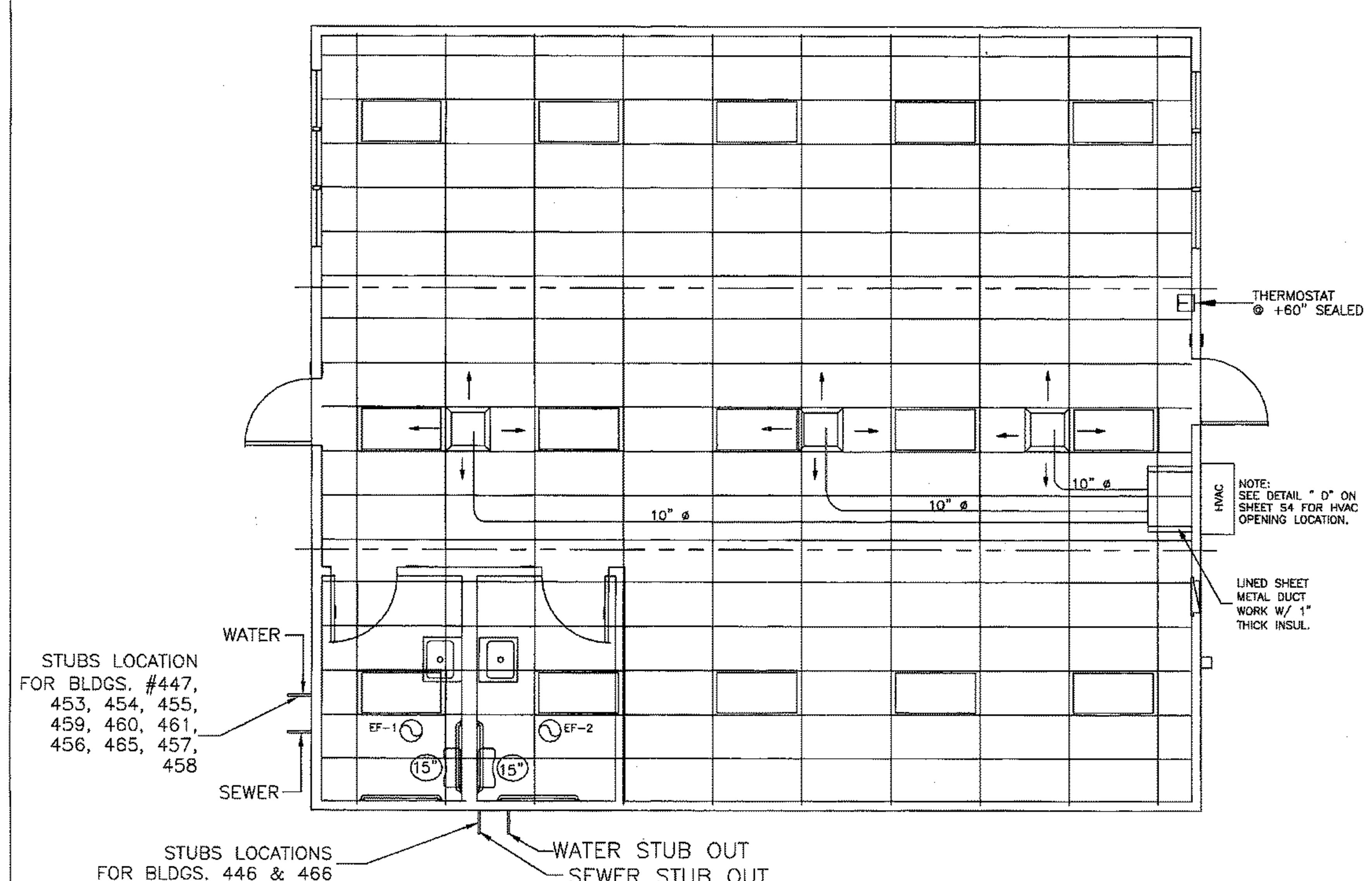
6. Air conditioning controls.
Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.
A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period.
B.) Key board lockout switch.
C.) Programmable display.
D.) 2-hour override minimum.
E.) Status indicated Led's.
F.) Battery back-up.
Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers IF92-371. Mount at + 60" sealed.

7. Thermal insulation
A.) Roof Insulation: See title 24 energy compliance summary this page.
B.) Walls Insulation: See title 24 energy compliance summary this page.
C.) Floor Insulation: See title 24 energy compliance summary this page.
Flame spread and smoke development shall conform to California Building Code sec. 707.

8. Factory-made air ducts. Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliancewith U.M.C. Standard No. 6-1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6-1.

DUCT SUPPORT
Flex duct to be supported with 1-1/2" wide x 26 ga. galv. strap @ max 6'-0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1-1/2" wide x 26 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners.
Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

THESE DRAWINGS COMPLY
WITH THE ENERGY CONSERVATION REQUIREMENTS
OF TITLE 24 OF THE STATE OF CALIFORNIA

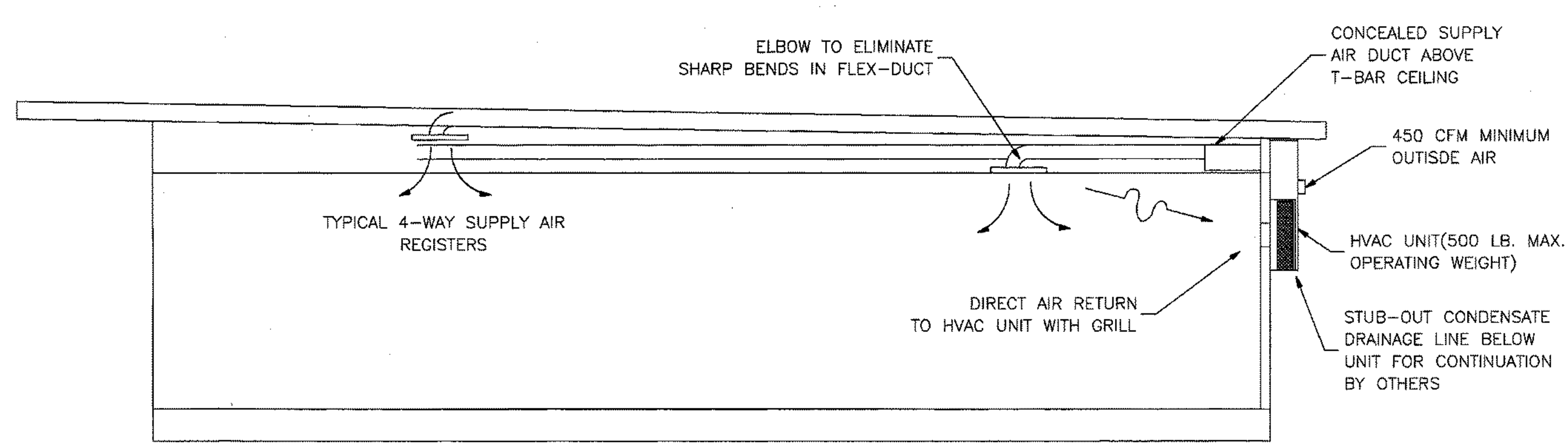


STUBS LOCATION
FOR BLDGS. #447, 453, 454, 455, 459, 460, 461, 456, 465, 457, 458

STUBS LOCATIONS
FOR BLDGS. 446 & 466
WATER STUB OUT
SEWER STUB OUT

C
M1
HEAT/SUPPLY AIR DUCT LAYOUT

WASHINGTON MMM#04-906-446 & 447
SHELDON MMM#04-906-453 THRU 455
BAYVIEW MMM#04-906-459 & 460
TARA HILLS MMM#04-906-461 & 466
MIRA VISTA MMM#04-906-456 THRU 458 & 465
SCALE: 3/16"=1'-0"



A
M1
HEAT/SUPPLY AIR DUCT CROSS SECTION

SCALE: 1/4"=1'-0"

FILE NO.

BASED ON PC 02-104925

36 X 40 PC
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT

MECHANICAL PLAN & NOTES

DATE: 05-08-03
SCALE: NONE
DRAWN BY: M.H.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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△			△		
△			△		
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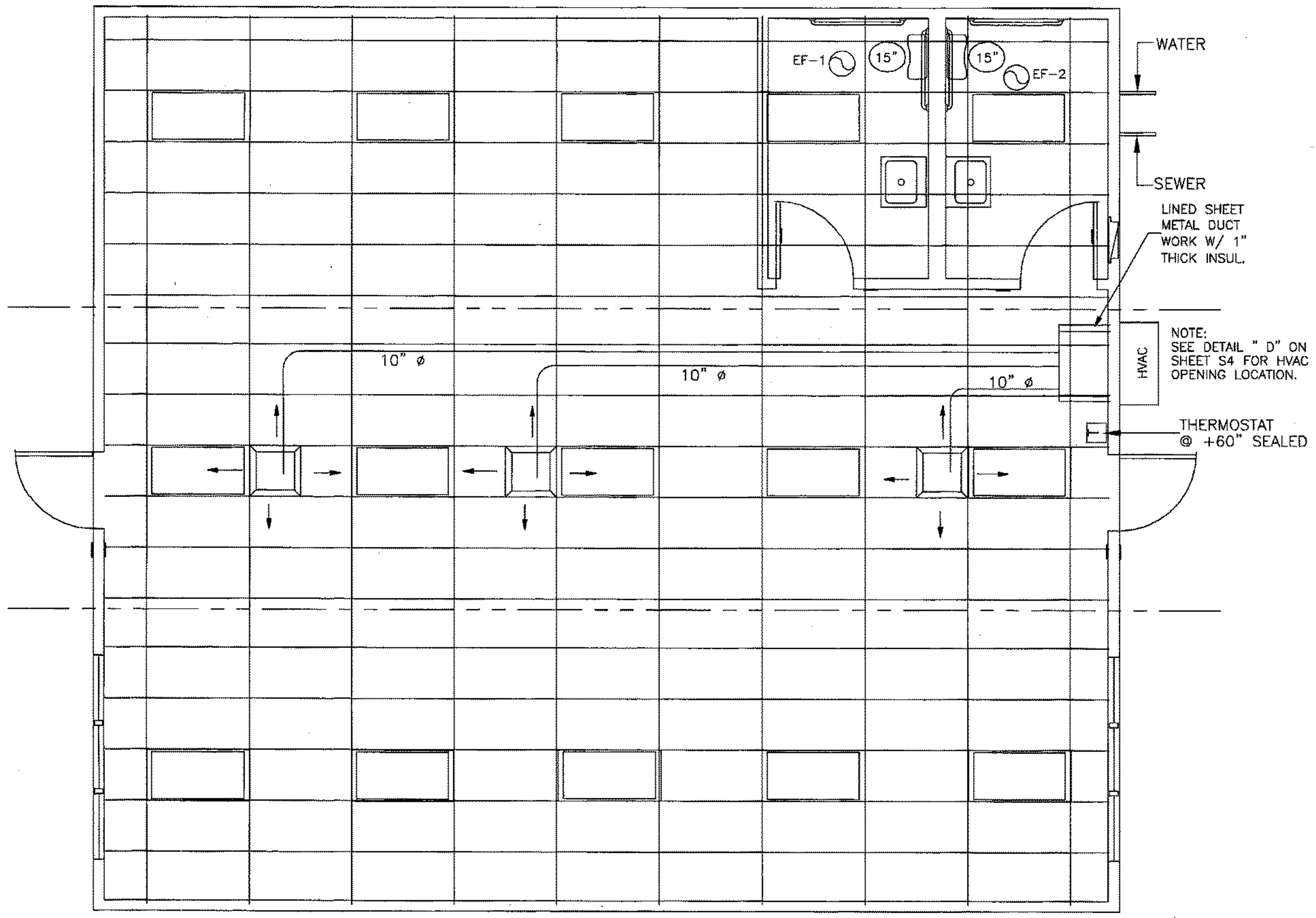
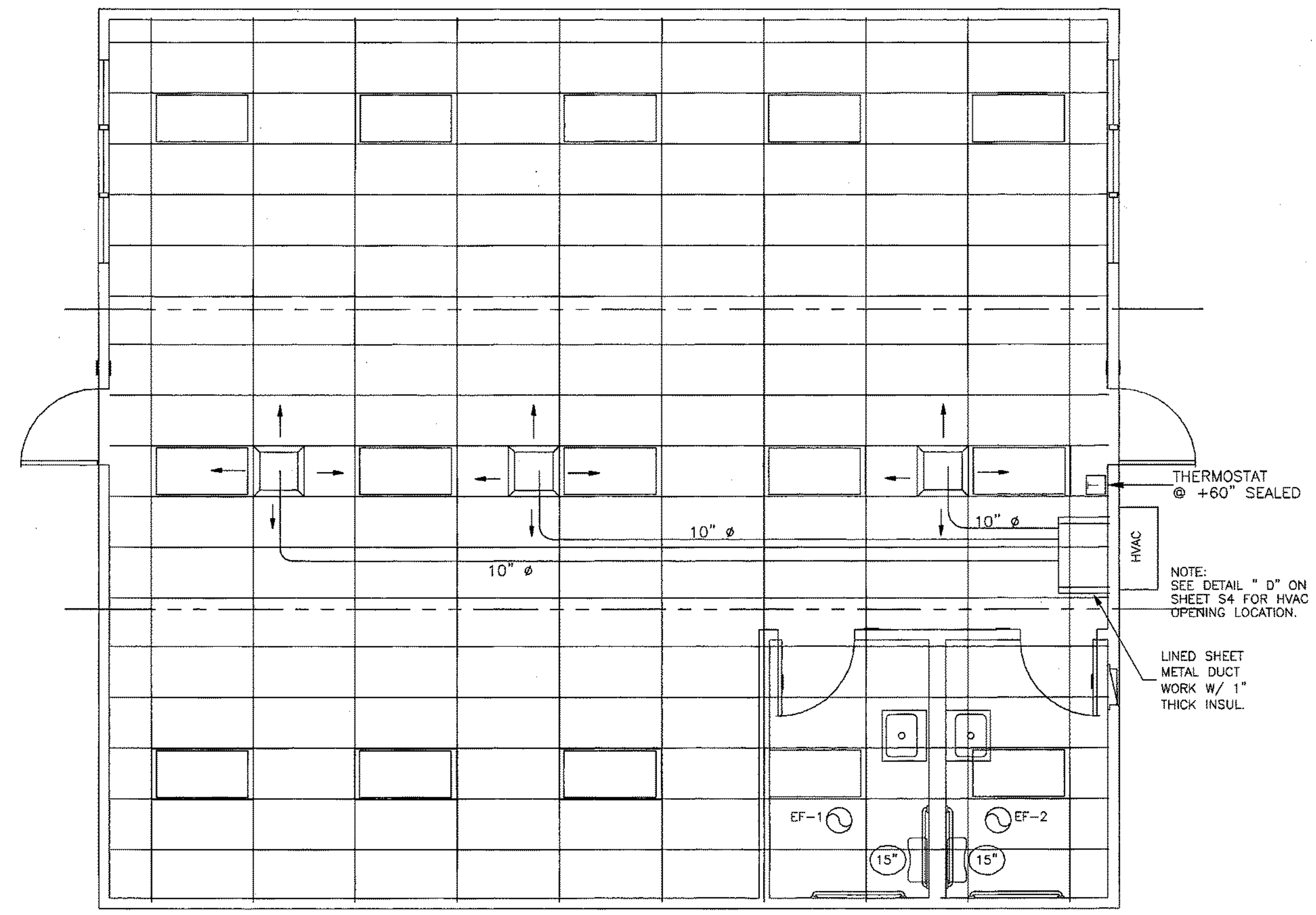
PROJECT No.

SHEET No.
M1

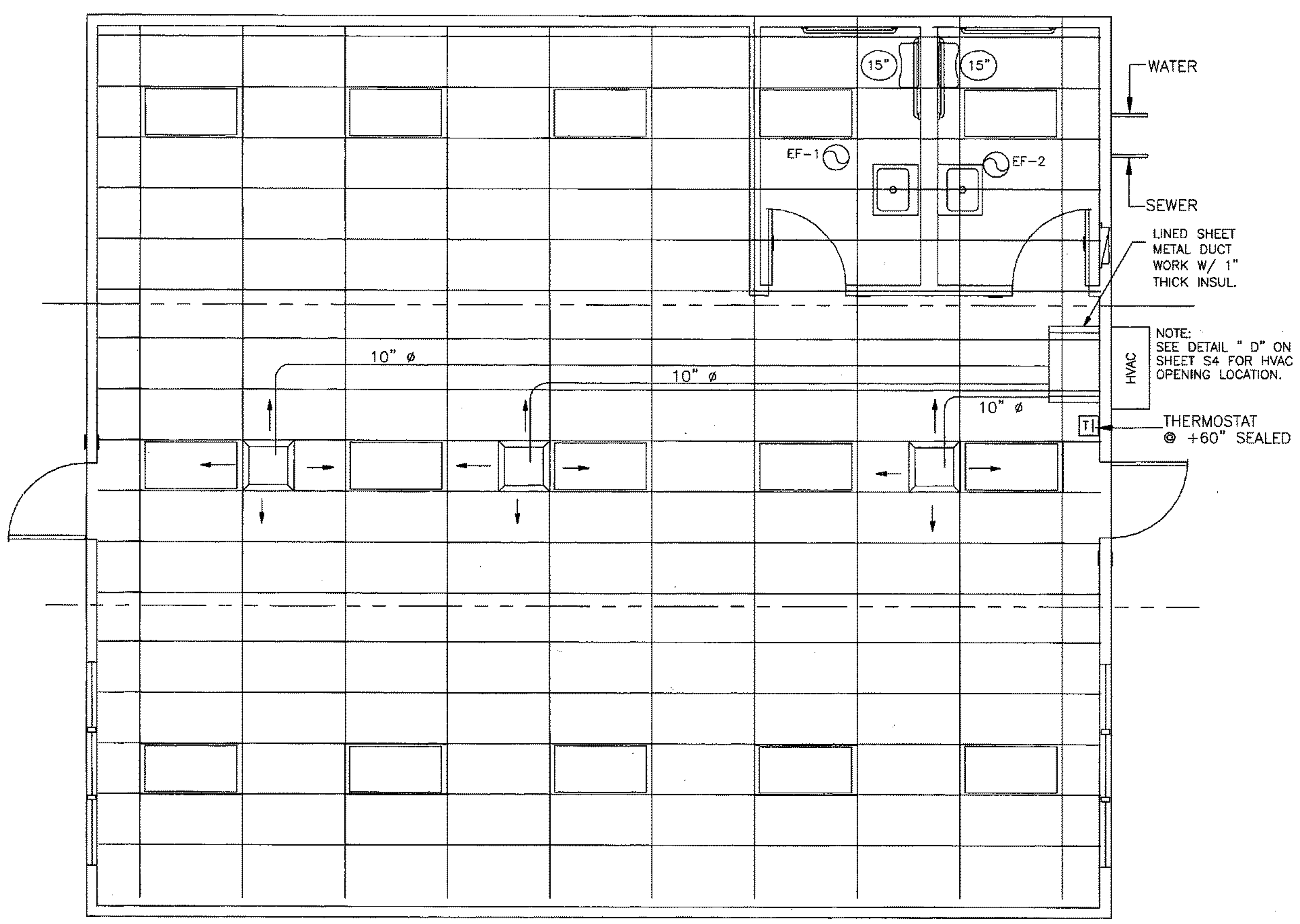
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



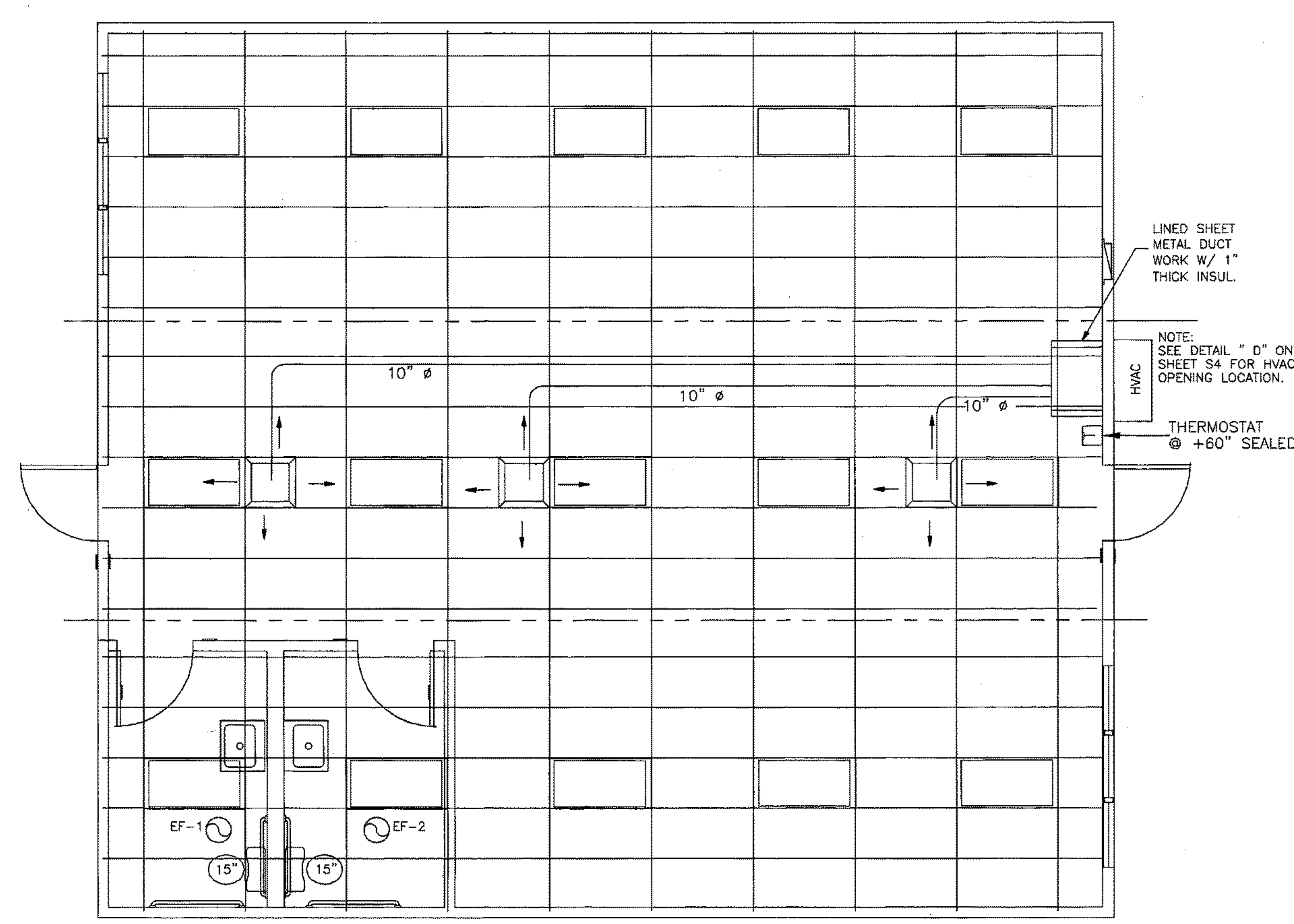
F
M1A
HEAT/SUPPLY AIR DUCT LAYOUT
MURPHY MMM#04-906-449
SCALE: 3/16"=1'-0"



H
M1A
HEAT/SUPPLY AIR DUCT LAYOUT
MURPHY MMM#04-906-463
SCALE: 3/16"=1'-0"



G
M1A
HEAT/SUPPLY AIR DUCT LAYOUT
TARA HILLS MMM#04-906-462
SCALE: 3/16"=1'-0"



I
M1A
HEAT/SUPPLY AIR DUCT LAYOUT
MURPHY MMM#04-906-464
SCALE: 3/16"=1'-0"

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106215
AC FLS SS
DATE 4/28/04

BASED ON PC 02-104925

36 X 40 PC
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT

MECHANICAL PLAN & NOTES

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

SHEET No.
M1A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

Mechanical Mandatory Measures

Equipment and Systems Efficiency

- ☐ §111 Any appliance for which there is a California standard established in the Appliance Efficiency Regulations with comply with the applicable standard.
- ☐ §115(a) Fan type central furnaces shall not have pilot lights.
- ☐ §123 Piping, except that conveying fluids at temperatures between 60 and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.
- ☐ §124 Air handling duct systems shall be installed and insulated in compliance with Sections 601, 603 and 604 of the Uniform Mechanical Code.

Controls

- ☐ §12(e) Each space conditioning system shall installed with one of the following:
- ☐ §122(E) Each space conditioning system serving building types such as offices and manufacturing facilities (and all others not explicitly exempt from the requirements of section 122(d)) shall be installed with an automatic time switch with an accessible manual override that allows operation of the system during off-hours for up to 4 hours. The time switch shall be capable of programming different schedules for weekdays and weekends; incorporate an automatic holiday "shut off" feature that turns off all loads for at least 24 hours, then resumes the normally scheduled operation; and has program backup capabilities that prevent the loss of the device's program and time settings for at least 10 hours if power is interrupted; or
- ☐ §122(a) An occupancy sensor to control the operating period of the systems; or
- ☐ §113(b) A 4-hour timer that can be manually operated to control the operating period of the system.
- ☐ §122(e) Each space conditioning system shall be installed with controls that temporarily restart and temporarily operate the system as required to maintain a setback heating and/or a setup cooling thermostat setpoint.
- ☐ §122(g) Each space conditioning system serving multiple zones with combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone: shall not exceed 25,000 square feet; shall be provided with devices, such as valves or dampers, that allow supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.
- ☐ §122 (A&B) Each space conditioning zone shall be controlled by an individual thermostatic control that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55 degF or lower. For cooling, the control shall be adjustable up to 85 degF or higher. Where used to control both heating and cooling, the control shall be capable of providing a dead band of at least 5°F within which the supply of heating and cooling is shut-off or reduced to a minimum.
- ☐ §122(c) Thermostats shall have numeric setpoints in degrees Fahrenheit (F) and adjustable setpoint stops accessible only to authorized personnel.
- ☐ §122(b) Heat Pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.

Ventilation

- ☐ §121(e) Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified in these plans.
- ☐ §122(f) Gravity or automatic dampers interlocked and closed on fan shutdown shall be provided on the outside air intakes and discharges of all space conditioning and exhaust systems.
- ☐ §122(f) All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.
- ☐ §121(f) Air Balancing: The system shall be balanced in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1983), or Associated Air Balance Council (AABC) National Standards (1986); or
- ☐ §121(f) Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C-20 Mechanical contractor and certified by (1) the design mechanical engineer, (2) the installing licensed C-20 mechanical contractor, or (3) the person with overall responsibility for the design of the ventilation system; or
- ☐ §121(f) Outside Air Measurement: The System shall be equipped with a calibrated local or remote device capable of measuring the quantity of outside air on a continuous basis and displaying that quantity on a ready accessible displays; or
- ☐ §121(f) Another method approved by the Commission.

Envelope Mandatory Measures

- ☐ §118(a) **Installed Insulating Material** shall have been certified by the manufacturer to comply with California Quality Standards for Insulating material, Title 20
- ☐ §118(c) **All Insulating Materials** shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of the Title 24, Part 2
- ☐ §117(a) **All Exterior Joints** and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.
- ☐ §116(b) **Site Constructed Doors, Windows, and Skylights** shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).
- ☐ §116(a) **Manufactured Doors and Windows** installed shall have air infiltration rates not exceeding those shown in Table Number 1-E. of standards. manufactured fenestration products must be labeled for U-value according to NFRC procedures.
- ☐ §118(e) **Demising Walls in Nonresidential Buildings:** The Opaque portions of framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-11 between framing members.

Mechanical Mandatory Measures – Cont.

Service Water Heating Systems

- ☐ §113(b) If a circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.
- ☐ §113(b) Lavatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110°F.
- ☐ §113(b) Lavatories in restrooms of public facilities shall be equipped within of the following:
- ☐ Outlet devices that limit the flow of hot water to a maximum of 0.5 gallons per minute
- ☐ Foot actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute.
- ☐ Proximity sensors actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute
- ☐ Self-closing valves, and outlets devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.25 gallons/cycle (circulating system).
- ☐ Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.50 gallons/cycle (non-circulating system)
- ☐ Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.75 gallons/cycle (foot switches and proximity sensor controls).

Pools and Spas

- ☐ Pool and/or spa heating systems or equipment shall be installed only if the manufacturer has certified that the system or equipment meets the requirements of *114 and *115 of the Energy Efficiency Standards. Equipment shall not have a pilot light. All such systems shall be installed with at least 36" of pipe between the filter and the heater to allow for the future addition of solar heating equipment.
- ☐ A cover shall be provided for outdoor pools.
- ☐ A cover shall be provided for outdoor spas.
- ☐ Pools shall be installed with directional inlets that adequately mix the pool water.
- ☐ Pool circulation pump(s) shall be provided with a time switch that allows the pump to be set to run in the off-peak electrical demand period, and for the minimum time necessary to maintain the water in the conditions required by applicable public health standards.

Lighting Mandatory Measures

- ☐ §131(d)1 **For every floor, all interior lighting** systems shall be equipped with a separate automatic control to shut off the lighting. This automatic control shall meet the requirements of Section 119 and may be an occupancy sensor, automatic time switch, or other device capable of automatically shutting off the lighting.
- ☐ §131(d)2 **Override for Building Lighting Shut-Off** The automatic building shut-off system is provided with a manual, accessible override switch in sight of the lights. The area of override is not to exceed 5,000 square feet.
- ☐ §119(h) **Automatic control Devices Certified** All automatic devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.
- ☐ §113(b) **Fluorescent Ballast and Luminaries Certified** All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.
- ☐ §132 **Tandem Wiring for One and Three Lamp Fluorescent Fixtures:** All one and three lamp fluorescents fixtures are tandem wired with two lamp ballasts were required by Standards Section 132; or all three lamp fluorescents fixtures are specified with electronic high-frequency ballasts and are exempt from tandem wiring requirements.
- ☐ §131(a) **Individual Room/Area Controls:** Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.
- ☐ §131(b) **Uniform Reduction for Individual Rooms** All rooms and areas greater than 100 square feet and more than 0.8 watts per square foot of lighting shall be controlled with Bi-level switching for uniform reduction of lighting within the room.
- ☐ §131(c) **Daylit Area Control** All rooms with windows and skylights, that are greater than 250 square feet, and that allow for the effective use of daylight in the area shall have 50% of the lamps in each daylit area controlled by a separate switch; or The effective use of daylight cannot be accomplished because the windows are continuously shaded by a building on the adjacent lot. Diagram of shading during different times of year is included on plans.
- ☐ §131(f) **Control of Exterior Lights** Exterior mounted fixtures and served from the electrical panel inside the building are controlled with a directional photo cell control on the roof and a corresponding relay in the electrical panel.
- ☐ §131(e) **Display Lighting: Display lighting** Exterior mounted fixtures and served shall be separately switched on circuits that are 20 amps of less.

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OFFICE OF REGULATION SERVICES
PC 02-104925
AC FLS SS
DATE NOV 0 4 2003

36 X 40 PC
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:

ENERGY MANDATORY MEASURES

DATE: 10-02-03
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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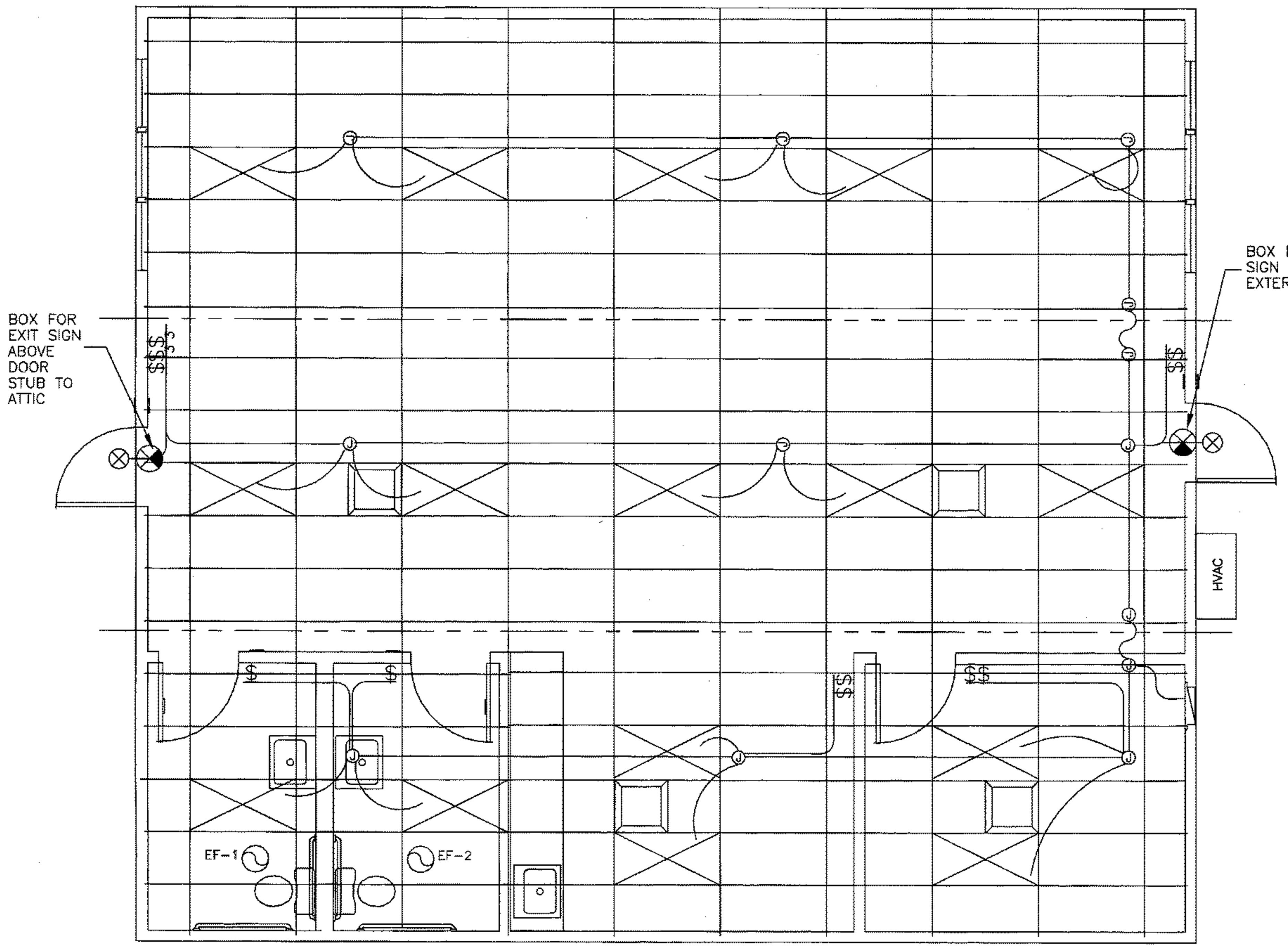
PROJECT No.

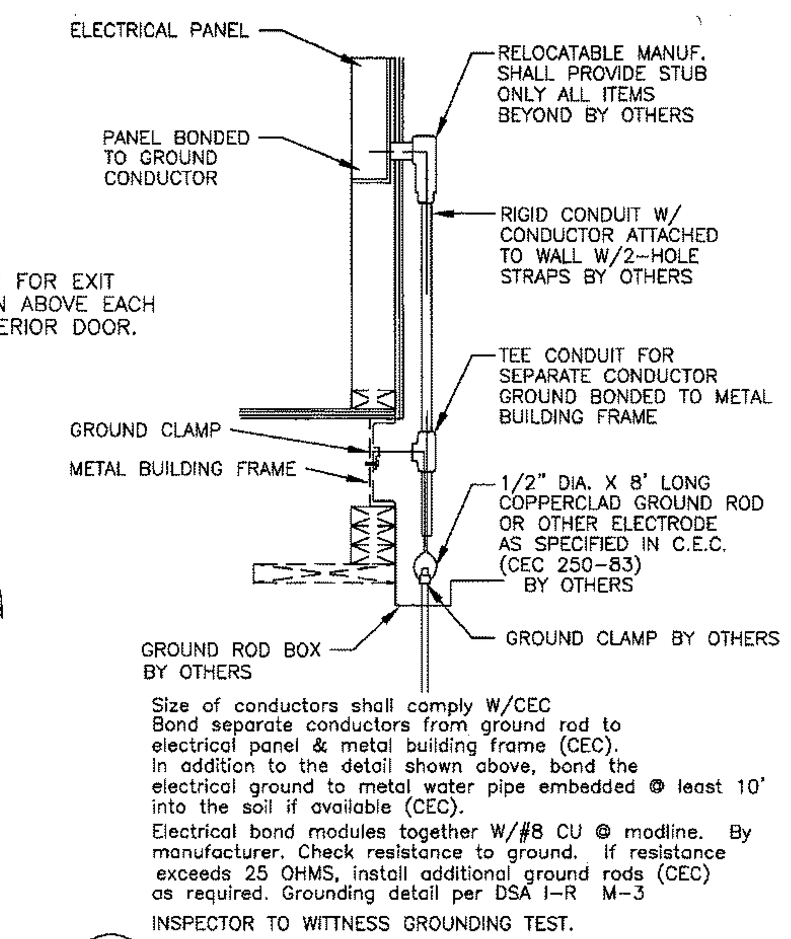
SHEET No.
M2



LIGHT FIXTURES (1/E1)

MIRA VISTA MMM#04-906-444
BAYVIEW MMM#04-906-445
450
461
452

SCALE: 1/4"=1'-0"



Size of conductors shall comply W/CEC
Bond separate conductors from ground rod to electrical panel & metal building frame (CEC).
In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available (CEC).
Electrical bond modules together W/#8 CU @ modline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods (CEC) as required. Grounding detail per DSA I-R M-3
INSPECTOR TO WITTNESS GROUNDING TEST.

BUILDING GROUND DETAIL (A/E1)

N.T.S.

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE – RESCESSED.
- FLUORESCENT LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
- INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +18" TO CENTER LINE.
- SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1", #22-4"X2"
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- a — SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +18" TO CENTER LINE.
- JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
- PANELBOARD – SEE SCHEDULE.
- TERMINAL CABINET – SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#12 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#12 WIRE CIRCUIT, FOR MORE THAN 2#12 WIRES AS FOLLOWS, 3#12, 4#12 ETC. FOR OTHER SIZES AS FOLLOWS, 3#10, 4#6 ETC.
- (A) — FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
- N.I.E.S. — ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT — ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- [W.E.F.] — WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- F — FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- F — FIRE ALARM HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90"
- S — SPEAKER- OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
- INTERCOM TELEPHONE- OUTLET ONLY- 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- FIRE ALARM VISUAL ALARM- OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96".

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
(recessed fixture)	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. T-8 ELECTRONIC BALLASTS (3)35 WATT TUBES, WT. 27 LBS.	SP41 32 W	CRESCENT MASTER 24GP3[illegible] SLAVE 24GP3[illegible]
(exterior wall fixture)	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W TT 2700 K	ENERTRON 7026B-L OR OR EQUAL

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DATE: 12/24/2020

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES.
FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.
THE LIGHTS FOR EACH ROOM OVER 250 SQUARE FEET SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR. WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE. IN CONJUCTION WITH BI-LEVEL SWITCHING.

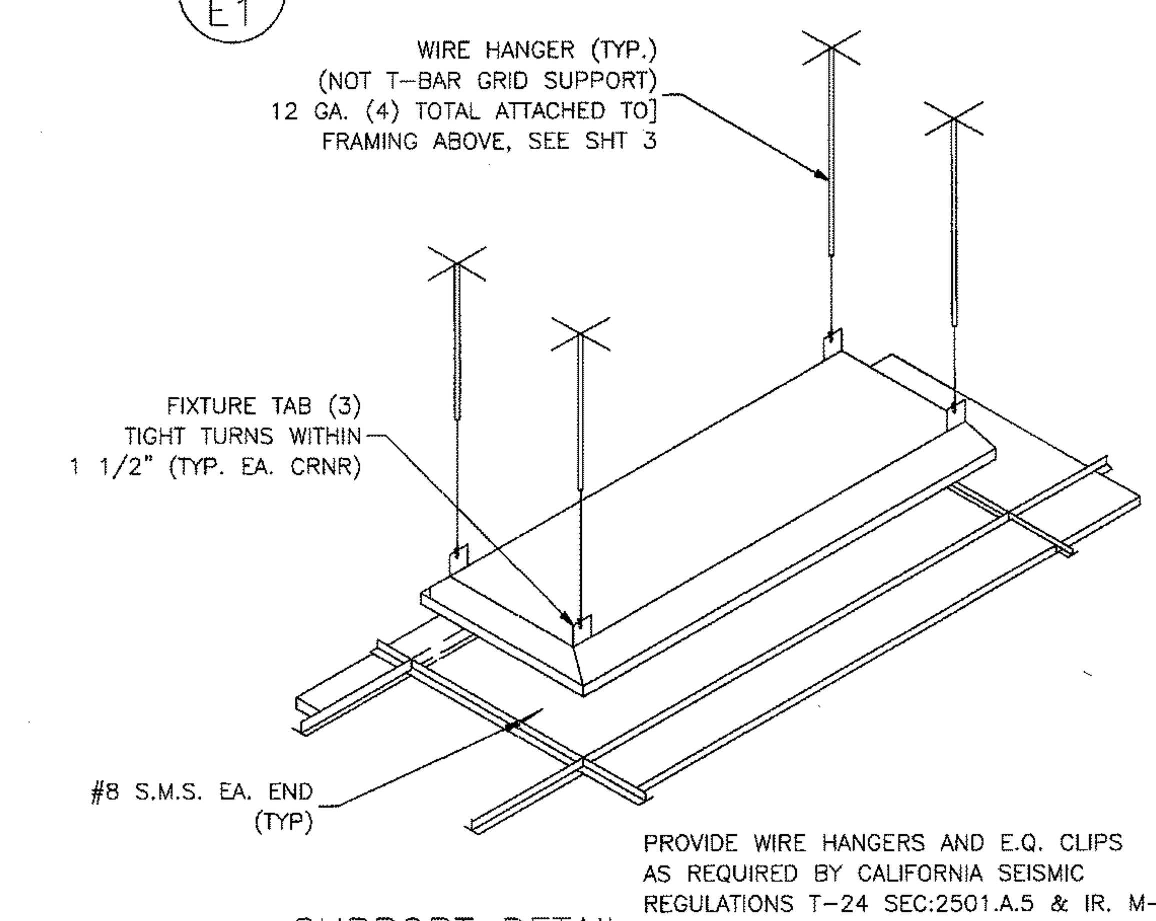
120/208 VOLT IN COMING POWER IS ACCEPTABLE

VOLTS: 120/240 SINGLE PHASE | PANEL: A | FEED: EXTERIOR LB
MAIN: 200 AMP MAIN BKR. | LOCATION: INTERIOR | MOUNTING: FLUSH

LOAD	WATTS A	WATTS B	BRK. AMP	BRK. P	CIR	CIR	BRK. P	BRK. AMP	WATTS A	WATTS B	LOAD
LIGHTS, FLUORESCENT	570		15	1	1	2	2	90	7810		A/C HVAC UNIT
LIGHTS, FLUORESCENT		570	15	1	3	4	2	90		7810	
EXTERIOR LIGHT & CLOCK	100		15	1	5	6					SPACE
DUPLEX RECEPT.		720	15	1	7	8					
DUPLEX RECEPT.	720		15	1	9	10					
LIGHTS, FLUORESCENT		570	15	1	11	12					
DUPLEX RECEPT.	720		15	1	13	14					
DUPLEX RECEPT.		720	15	1	15	16					
SPACE					17	18					
					19	20					
					21	22					
PHASE WATTAGE	2110	2580							7810	7810	PHASE WATTAGE

TOTAL WATTS "A"LEG: 9920 | TOTAL WATTS A+B=20310 | TOTAL WATTS "B" LEG 10390
TOTAL WATTS: 20310 | 85 AMPS | 120/240V | SINGLE PHASE | 200AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

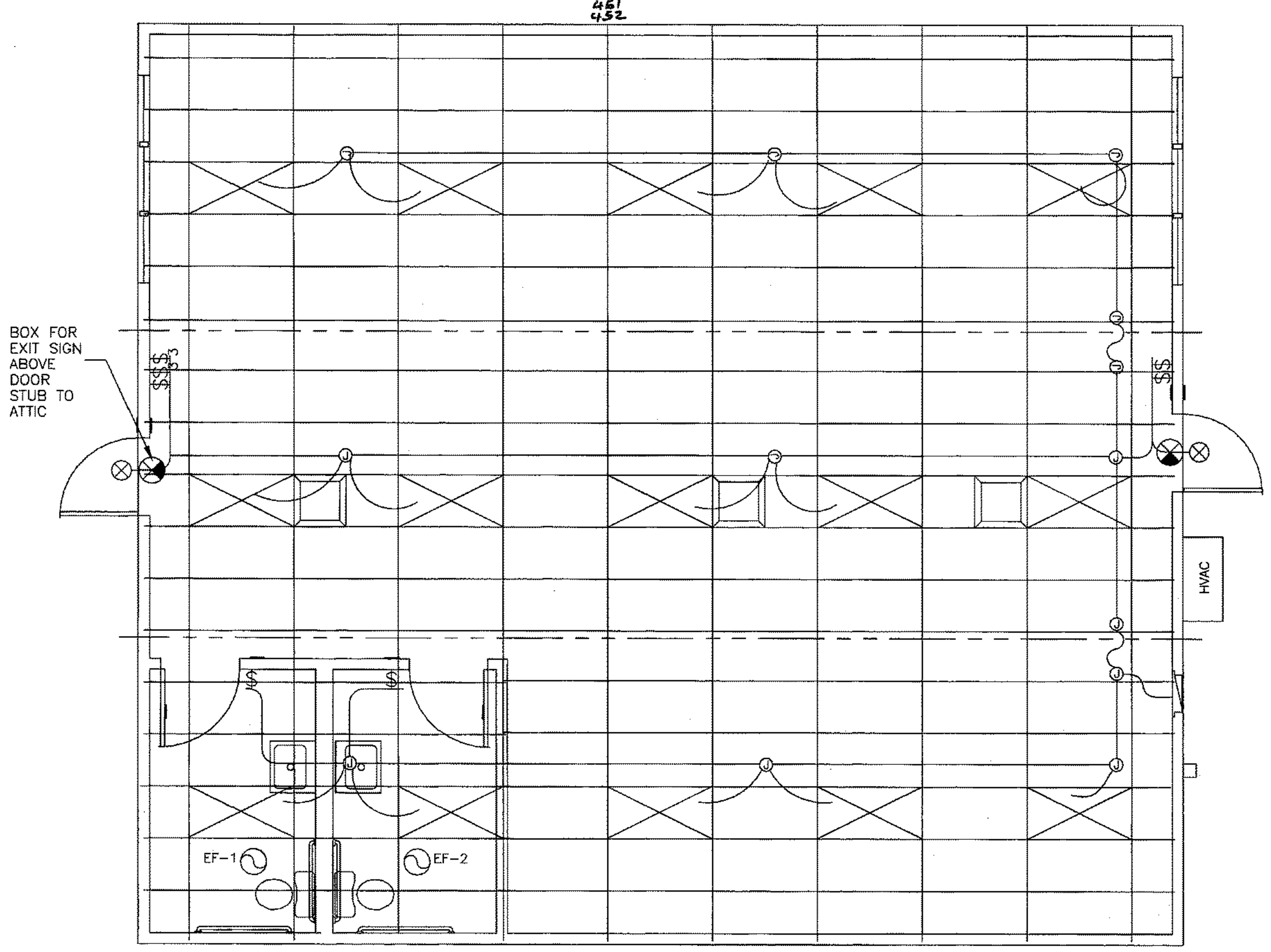
ELECTRICAL PANEL -A (3/E1)



PROVIDE WIRE HANGERS AND E.Q. CLIPS AS REQUIRED BY CALIFORNIA SEISMIC REGULATIONS T-24 SEC:2501.A.5 & IR. M-3

SUPPORT DETAIL

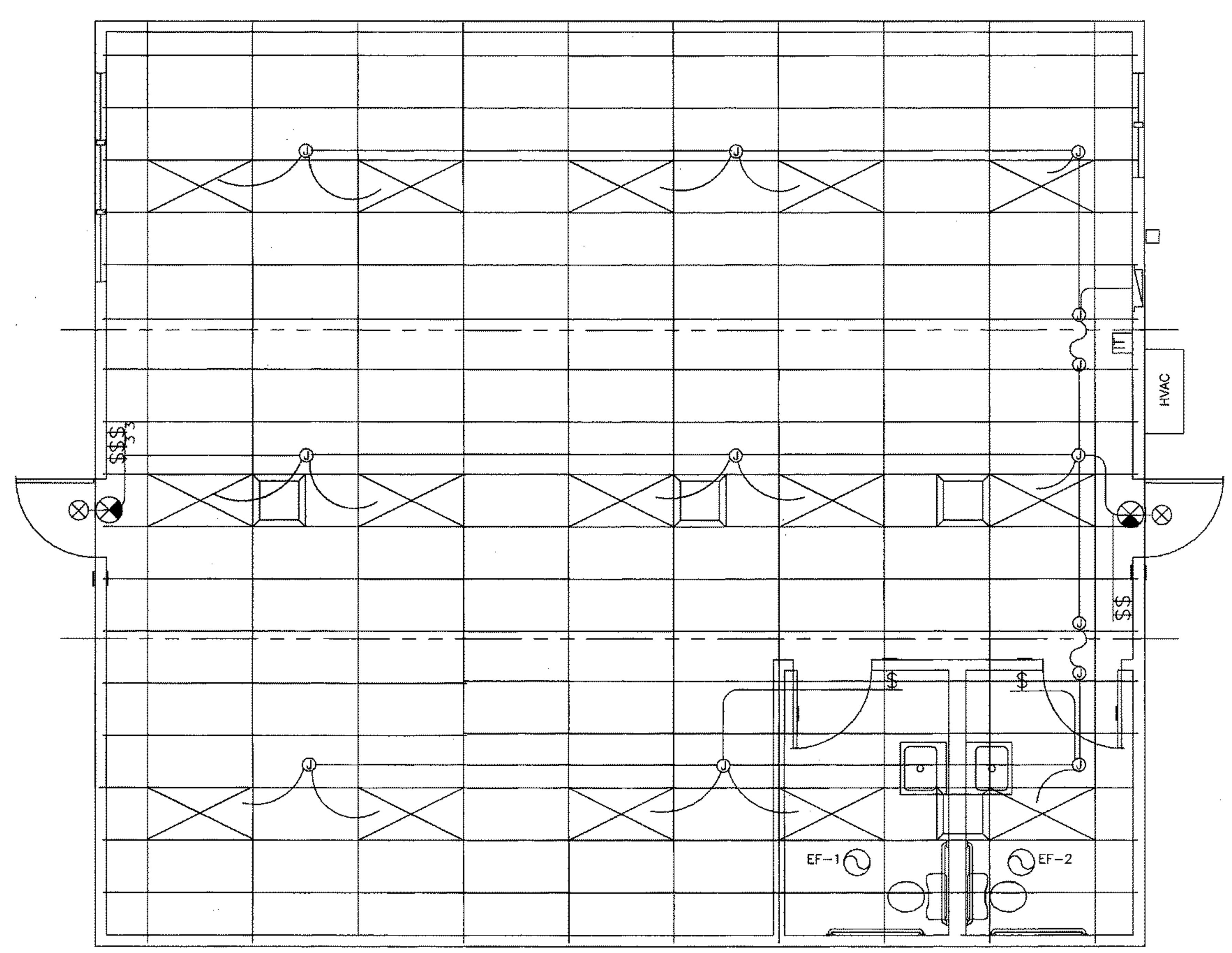
3/4"=1'-0"



LIGHT FIXTURES (1A/E1)

WASHINGTON MMM#04-906-446 & 447
SHELDON MMM#04-906-453 THRU 455
BAYVIEW MMM#04-906-459 & 460
TARA HILLS MMM#04-906-461 & 466
MIRA VISTA MMM#04-906-456 THRU 458 & 465

SCALE: 1/4"=1'-0"



LIGHT FIXTURES (1B/E1)

MURPHY MMM#04-906-448

SCALE: 1/4"=1'-0"

NOTE:
THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT AND SMOKE DETECTORS WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF
SB 575

NOTE
STUB OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES. LOCATIONS SHOWN ARE DIAGRAMITICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS.
POINT OF CONNECTION WILL BE AT FACE OF BUILDING.

REGISTERED PROFESSIONAL ENGINEER
JOHN H. KAWDA
No. 2310
Exp. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106215
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DATE 4/28/04

BASED ON PC 02-104925

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American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT

ELECTRICAL PLAN, DETAILS & NOTES

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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PROJECT No.

SHEET No.
E1

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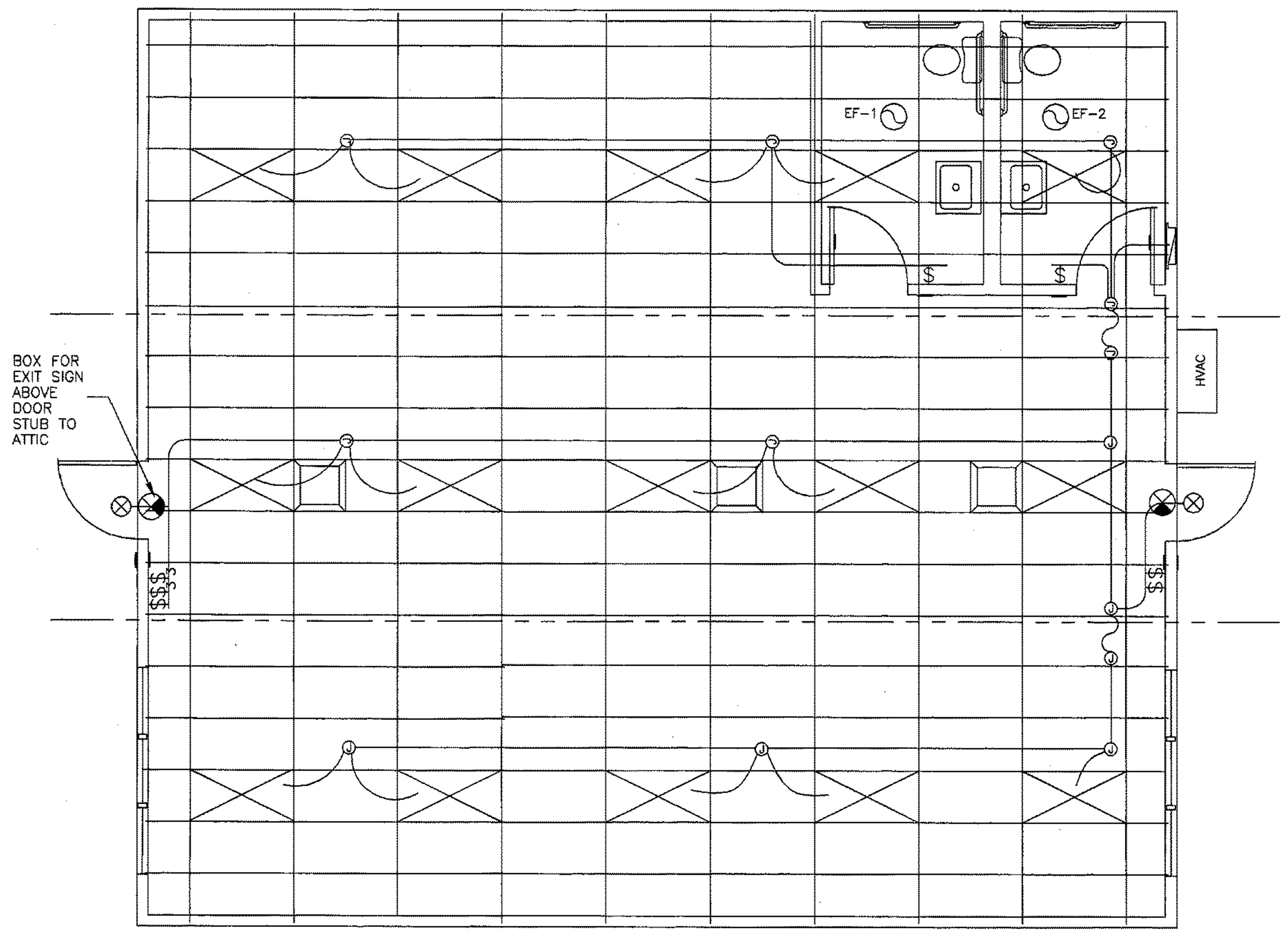
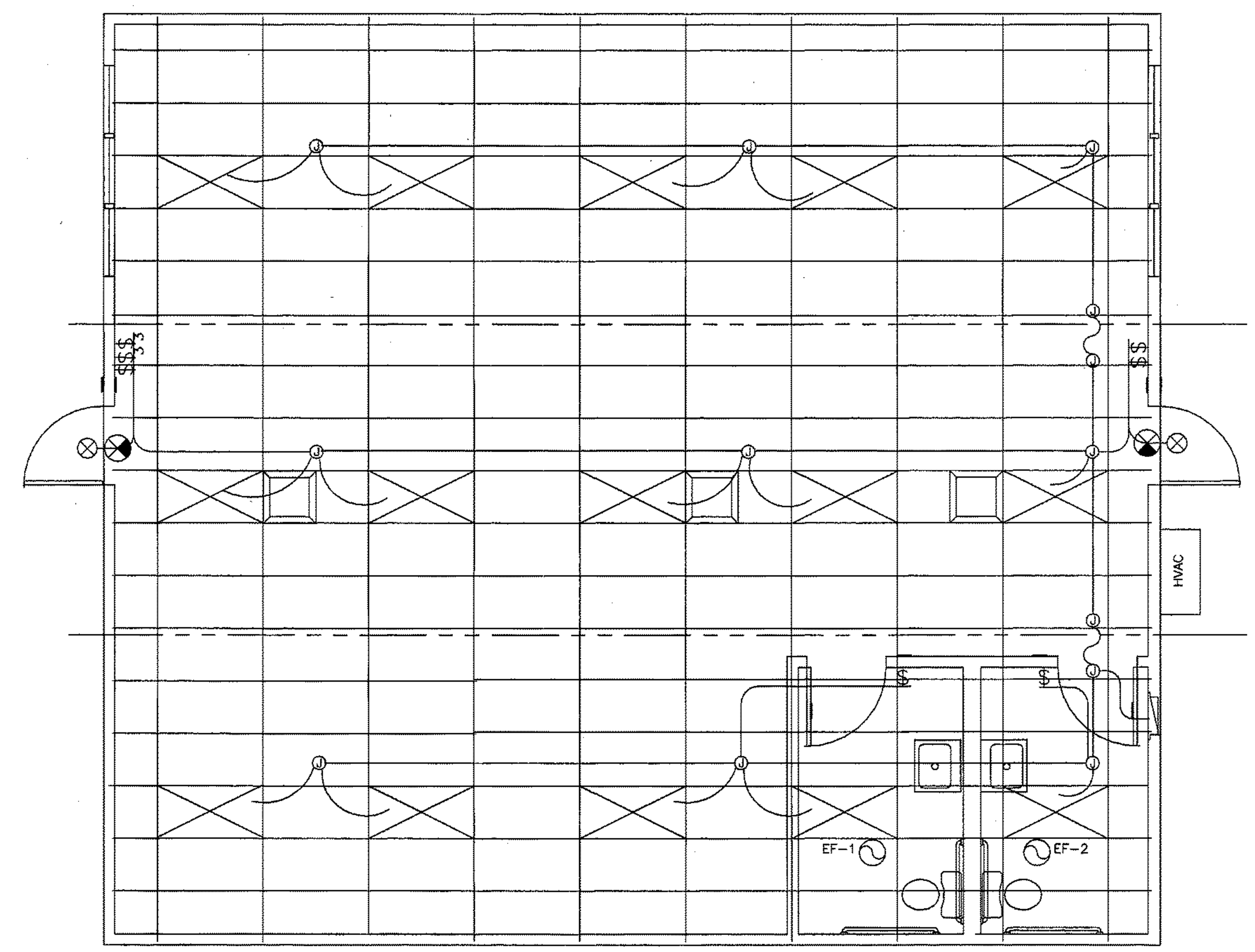
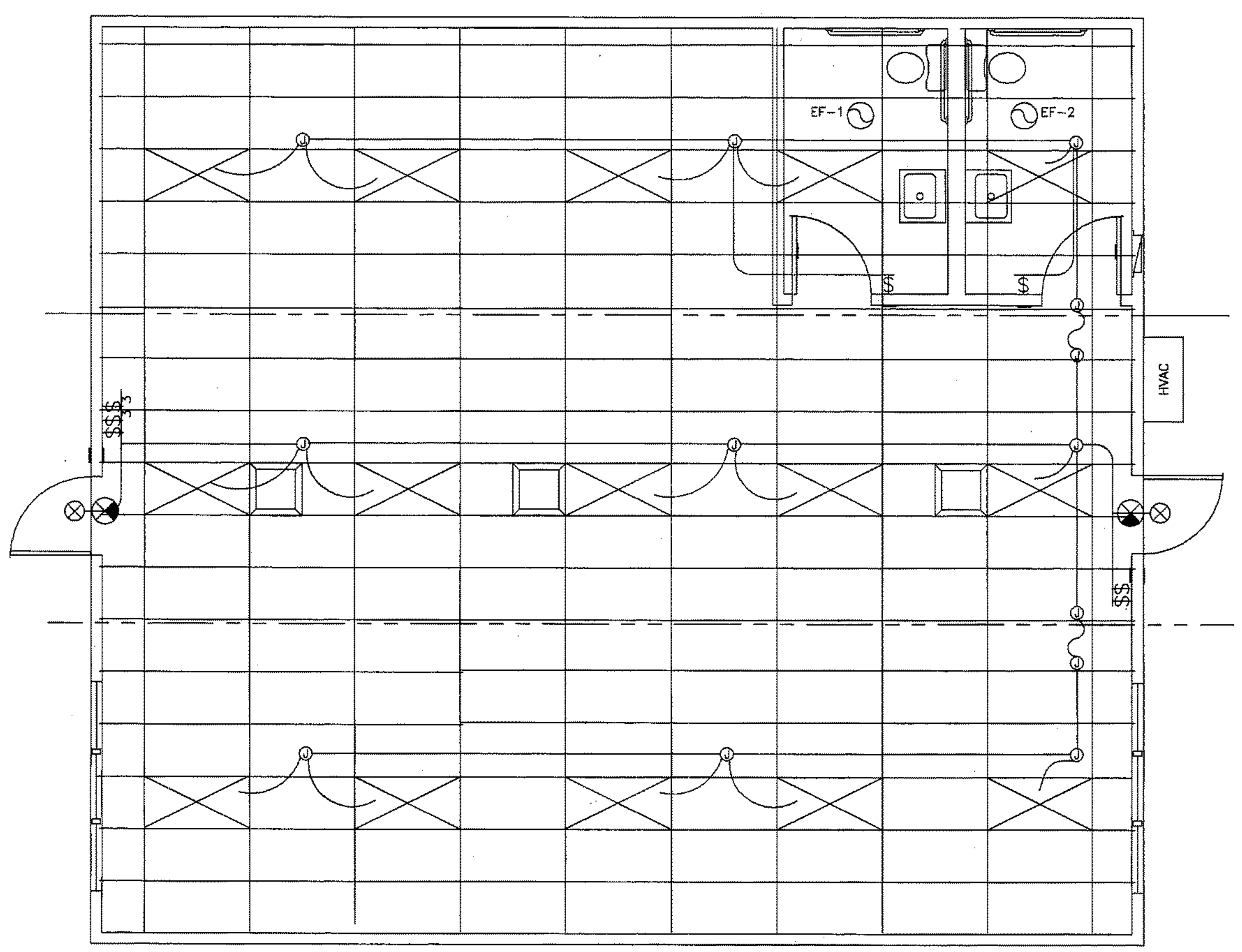


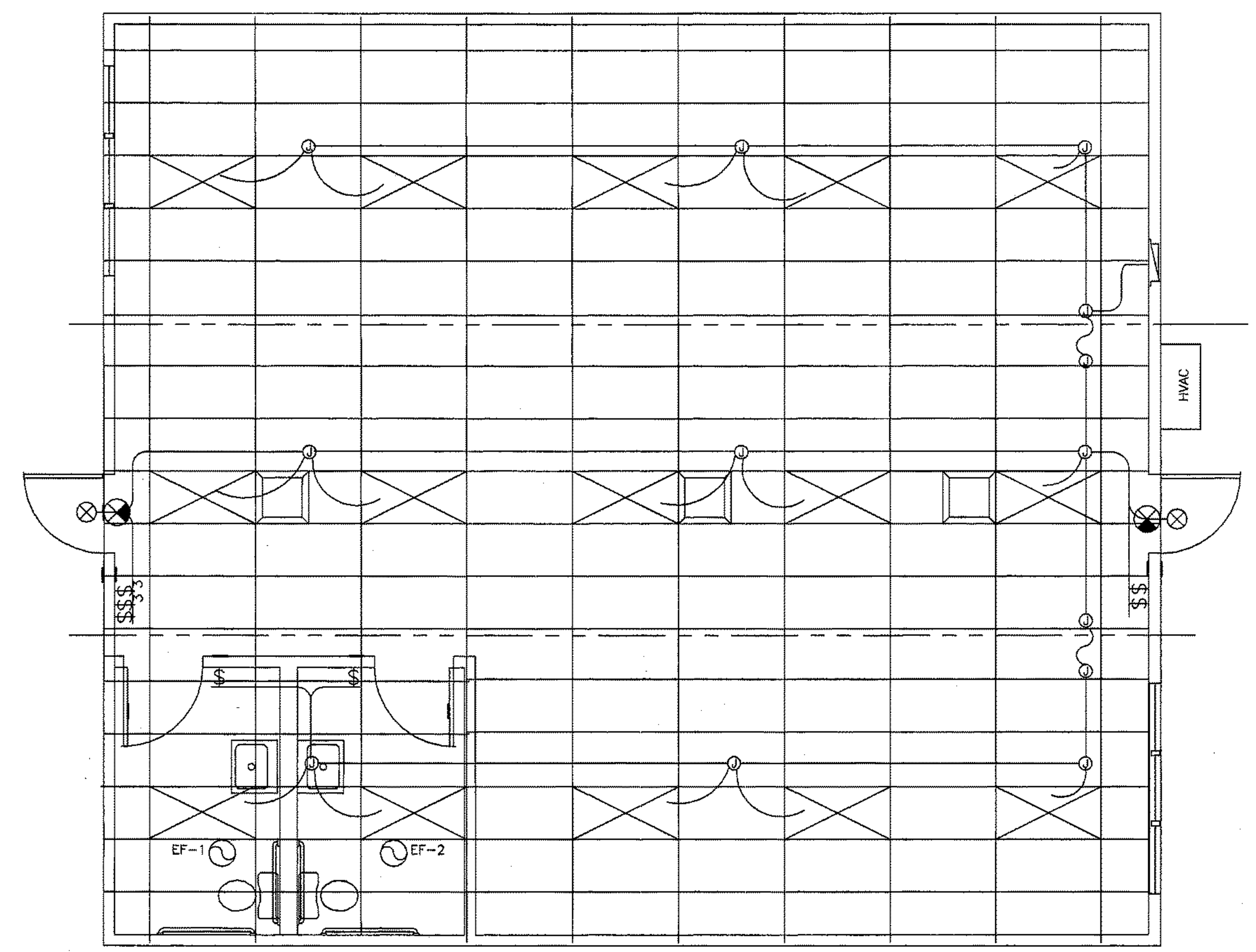
1A
E1A
LIGHT FIXTURES
MURPHY MMM#04-906-449 SCALE: 1/4"=1'-0"



1C
E1A
LIGHT FIXTURES 04-906-463
SCALE: 1/4"=1'-0"



1B
E1A
LIGHT FIXTURES
TARA HILLS MMM#04-906-462 SCALE: 1/4"=1'-0"



1D
E1A
LIGHT FIXTURES
WASHINGTON MMM#04-906-467 SCALE: 1/4"=1'-0"

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americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT

ELECTRICAL PLAN, DETAILS & NOTES

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

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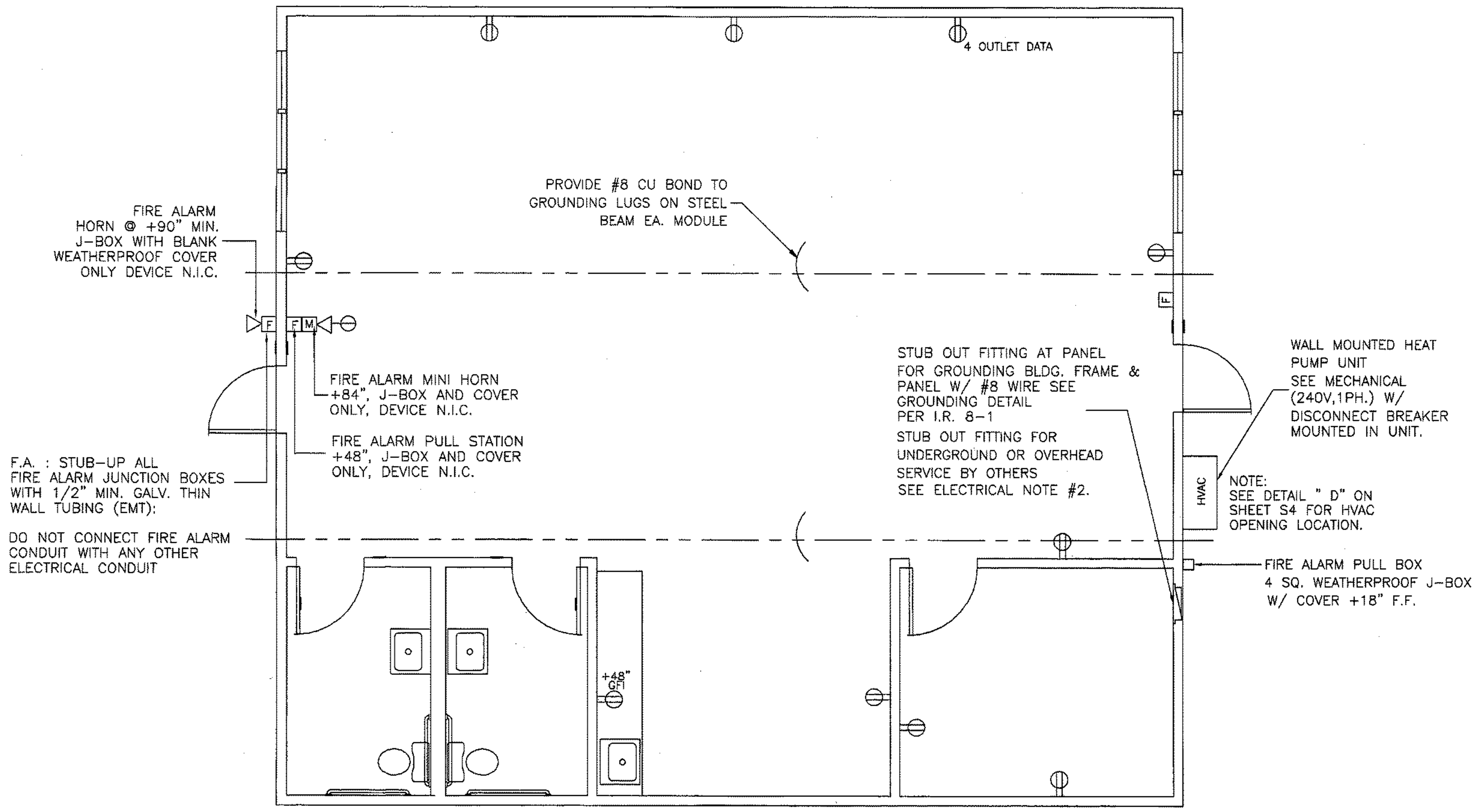
PROJECT No.

SHEET No.
E1A



2/E2 ELECTRICAL PLAN

MIRA VISTA MMM#04-906-444
BAYVIEW MMM#04-906-445
450
451
452

SCALE: 1/4"=1'-0"

The H.V.A.C. unit feeder circuit – panel circuit breaker, feeder wire, unit disconnect and fuses (where used) – is to be coordinated with the name plate data at the time ofmanufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 60 degrees C. wire is to be used in this installation, calculations demonstrating ampacity be provided on the drawing.

FIRE ALARM
Junction boxes – Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18– above finish floor for future connection.
Covers – Install gasketed, metal, waterproof, finish covers at exterior locations. Install finish covers at interior locations.

ELECTRICAL
1. Electrical service drop and connections supplied by others.
2. Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
3. Electrical panel board shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.
4. 2x4 Flourescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH-12, Carolite, Inc. #C-12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be .125 inch.
5. Flourescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
6. Clock – 12" dial clock on clock outlet.
   A) Clock shall be General Electric model 2912 129V 60 cycle OR EQUAL
   B) Clock outlet shall be Bryant #2828 or equal with seperable hanging clip & app'd recept.

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STAT ARCHITRCT.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
4. VISUAL ALARMS IN TOILET ROOMS.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:
1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA ADMINISTRATIVE CODE TITLE
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

NOTE:
THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT AND SMOKE DETECTORS WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575

NOTE
STUB OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES. LOCATIONS SHOWN ARE DIAGRAMITICAL ONLY. EXACT LOCATIONS MAY VARY +/– SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE – RESCESSED.
- FLUORESCENT LIGHTING FIXTURE – WALL MOUNTED (EXTE
- INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTE
- DUPLEX WALL CONVENIENCE OUTLETS +18" TO CENTER LIN
- SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1", #22-4"X2"
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- a — SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +18" TO CENTER LINE.
- JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
- PANELBOARD – SEE SCHEDULE.
- TERMINAL CABINET – SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#12 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#12 WIRE CIRCUIT, FOR MORE THAN 2#12 WIRES AS FOLLOWS, 3#12, 4#12 ETC. FOR OTHER SIZES AS FOLLOWS, 3#10, 4#6 ETC.
- (A) — FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
- N.I.E.S. — ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT — ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- [W.E.F.] — WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- F — FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- FIRE ALARM HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90"
- S — SPEAKER– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
- INTERCOM TELEPHONE– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- FIRE ALARM VISUAL ALARM– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96".

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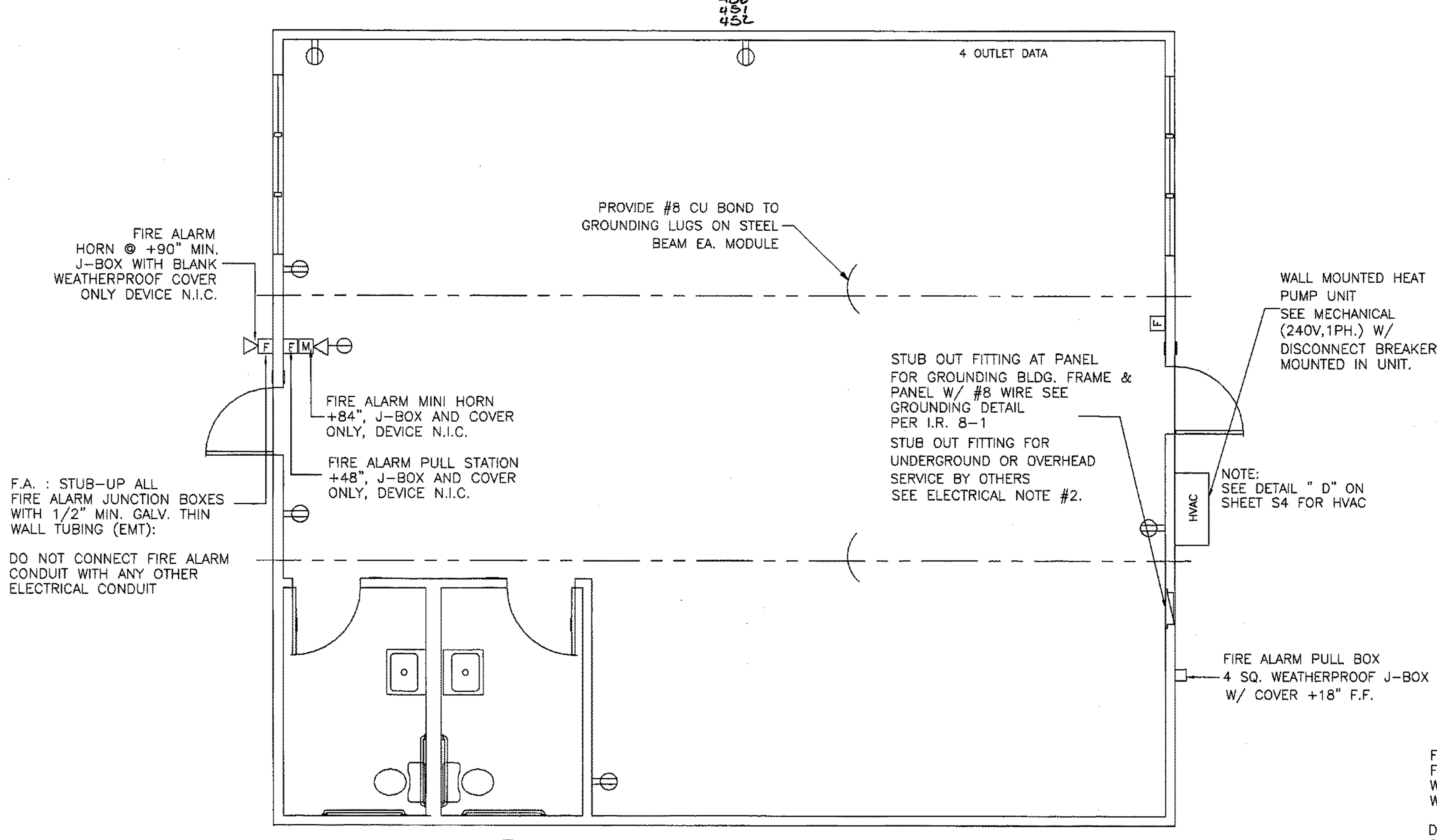
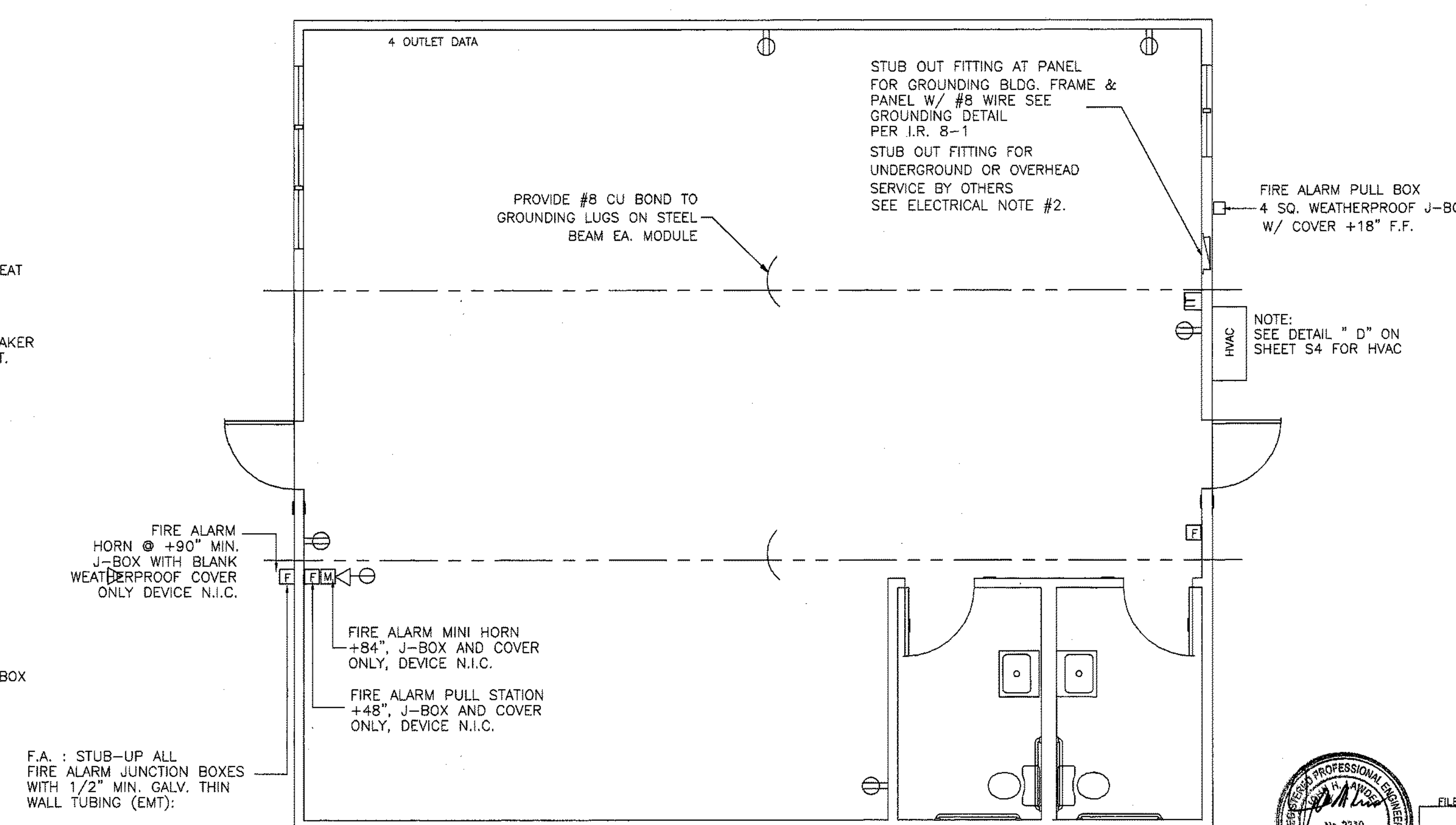


2A/E2 ELECTRICAL PLAN

WASHINGTON MMM#04-906-446 & 447
SHELDON MMM#04-906-453 THRU 455
BAYVIEW MMM#04-906-459 & 460
TARA HILLS MMM#04-906-461 & 466
MIRA VISTA MMM#04-906-456 THRU 458 & 465

SCALE: 1/4"=1'-0"



2B/E2 ELECTRICAL PLAN

MURPHY MMM#04-906-448

SCALE: 1/4"=1'-0"

REGISTERED PROFESSIONAL ENGINEER No. 2310 Exp. 3-31-05 STRUCTURAL STATE OF CALIFORNIA

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CUSTOMER:
MOBILE MODULAR MANAGEMENT

ELECTRICAL PLAN, DETAILS & NOTES

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

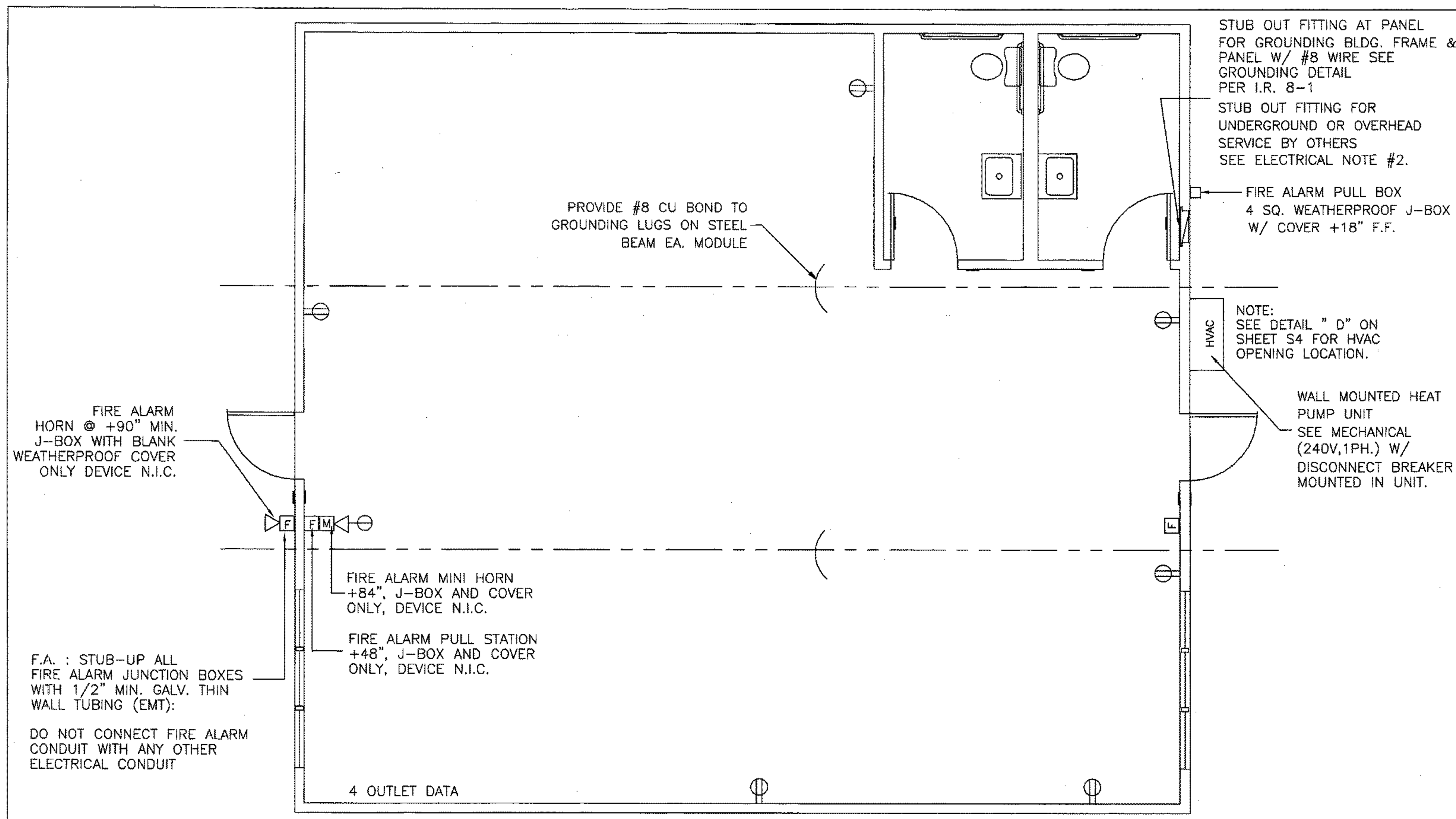
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

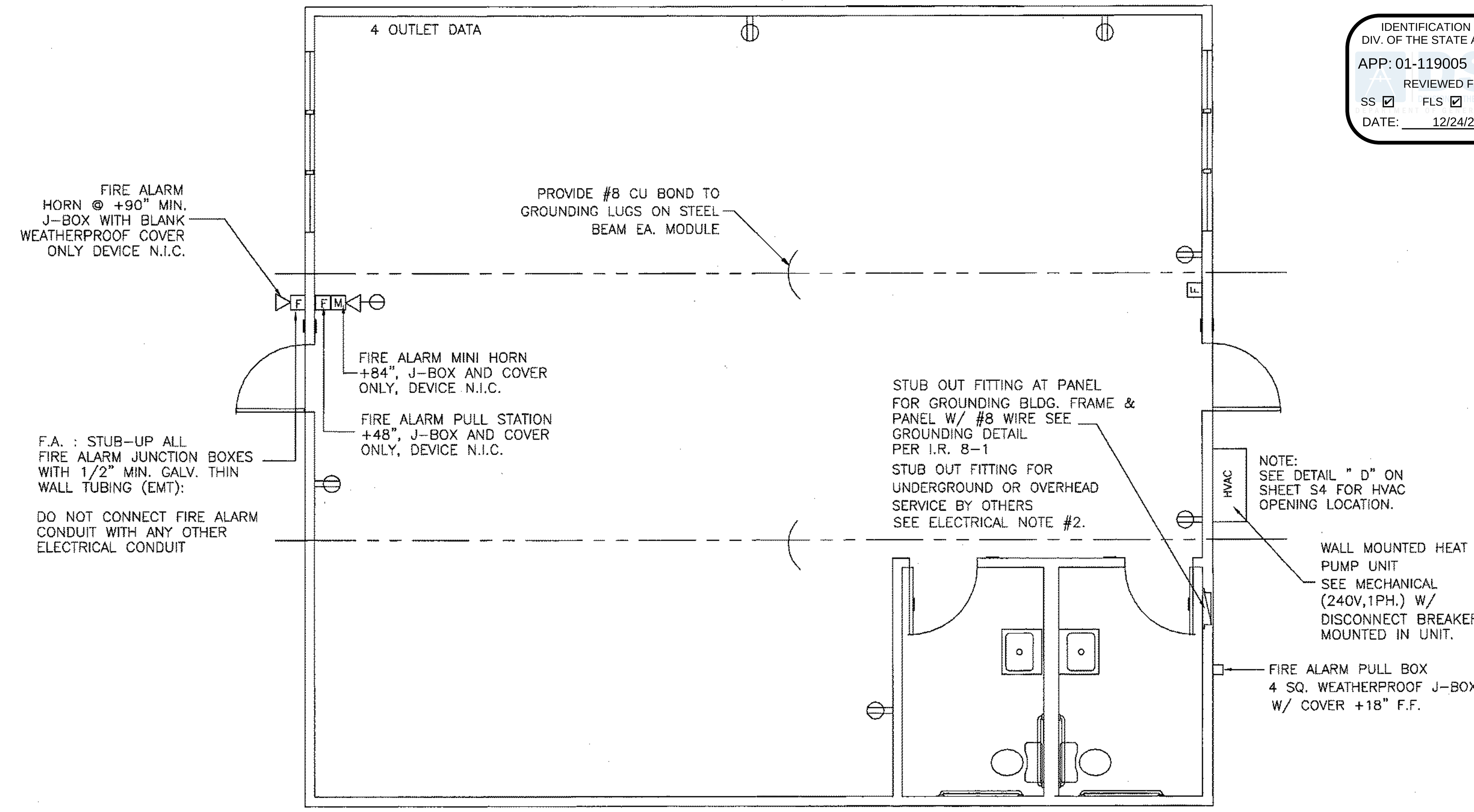
PROJECT No.

SHEET No.
E2

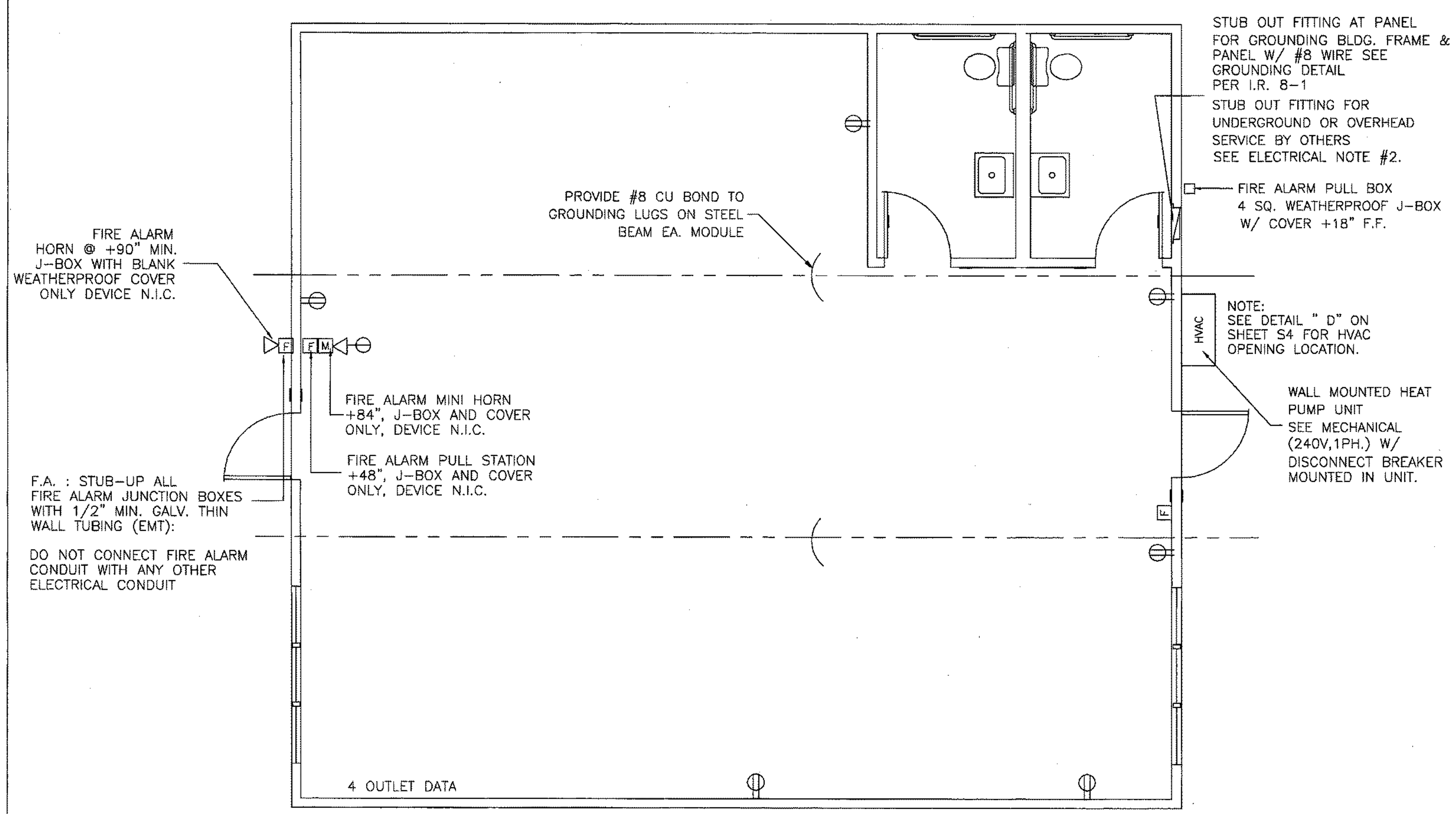
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



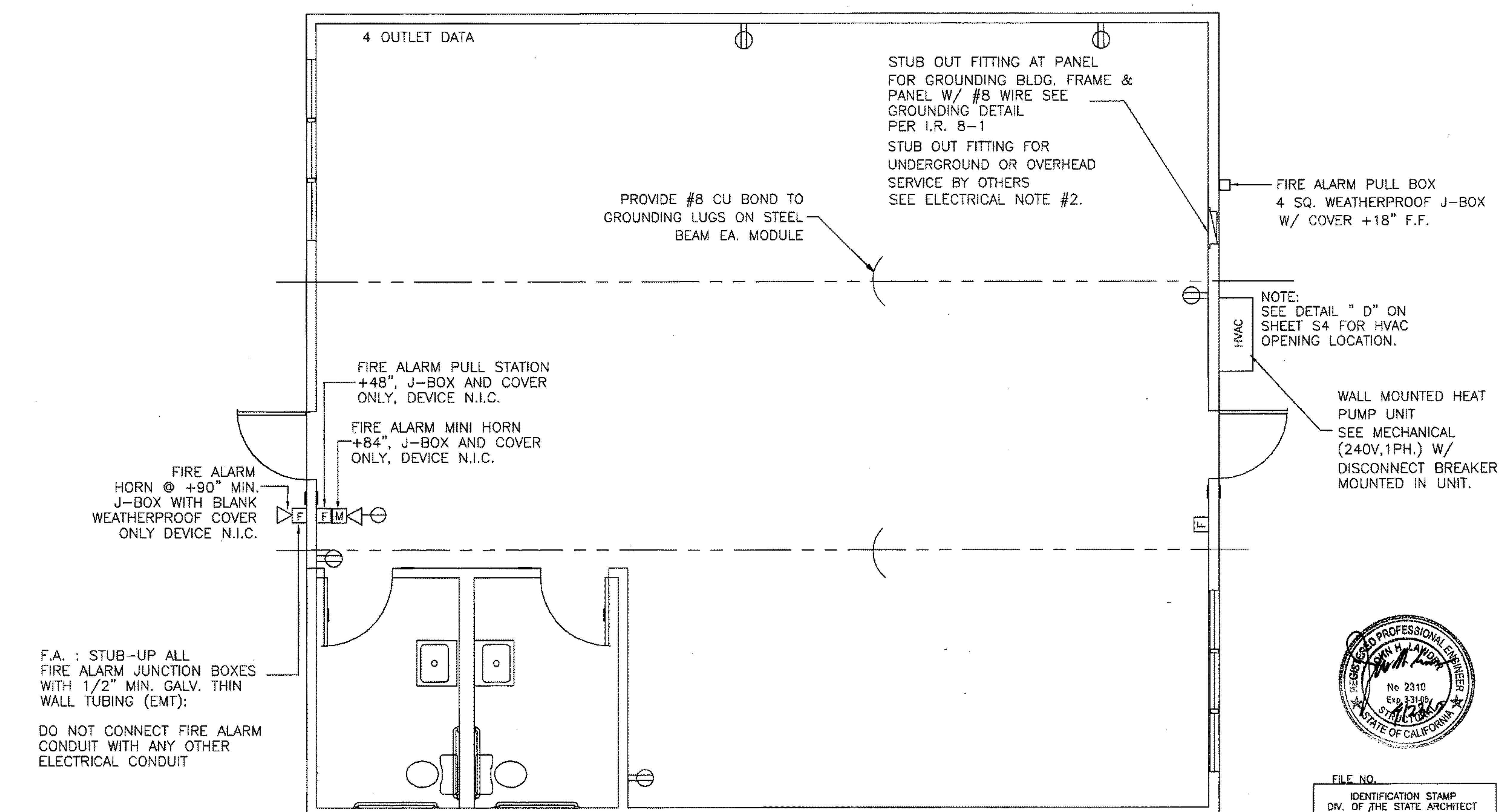
2 / E2A ELECTRICAL PLAN
MURPHY 04-906-449 SCALE: 1/4"=1'-0"



2 / E2A ELECTRICAL PLAN
MURPHY 04-906-463 SCALE: 1/4"=1'-0"



2A / E2A ELECTRICAL PLAN
TARA HILLS 04-906-462 SCALE: 1/4"=1'-0"



2B / E2A ELECTRICAL PLAN
MURPHY 04-906-464 SCALE: 1/4"=1'-0"

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106215
AC FLS SS
DATE 4/28/04

BASED ON PC 02-104925

36X40 PC
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT

ELECTRICAL PLAN, DETAILS & NOTES

DATE: 04-23-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

SHEET No.
E2A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

ENVIROPLEX, INC.

RIGID STEELFRAME MODULAR BUILDING
(1) 36'x40' RELOCATABLE BUILDING
(STOCKPILE)
FOR MOBILE MODULAR MANAGEMENT CORP.

SERIAL NUMBERS – (7925 – 7927)

BUILDING "E"

(REF PC #02–104899)

ABBREVIATIONS

@	AT
A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
AMP	AMPERES
APA	AMERICAN PLYWOOD ASSOCIATION
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AWPB	AMERICAN WOOD PRODUCTS BUREAU
BM	BEAM
BTU	BRITISH THERMAL UNITS
C.C.	CENTER TO CENTER
C.B.C.	CALIFORNIA BUILDING CODE
C.E.C.	CALIFORNIA ELECTRICAL CODE
CIR	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CONT	CONTINUOUS
CP	COMPLETE PENETRATION
DBL	DOUBLE
D.F.	DOUGLAS FIR – LARCH
DIA	DIAMETER
DN	DOWN
D.S.A.	DIVISION OF THE STATE ARCHITECT
DWG	DRAWING
EA	EACH
ELEC	ELECTRICAL
EN	EDGE NAIL
EQ	EQUAL
EW	EACH WAY
EXP	EXPOSURE
EXT	EXTERIOR
F.A.	FIRE ALARM
FIN	FINISH
FLG	FLANGE
FLR	FLOOR
FLR'G	FLOORING
FT	FEET
FTG	FOOTING
F.R.P.	FIBERGLASS REINFORCED PANEL
FY	YIELD STRENGTH (STEEL)
GA	GUAGE
GALV	GALVANIZED
HD	HOLDDOWN
HDR	HEADER
HDWR	HARDWARE
H.M.	HOLLOW METAL
H.F.	HEM FIR
HR	HOUR
H.S.B.	A325N HIGH STRENGTH BOLTS
HVAC	HEATING VENTILATION AIR CONDITIONING
INT	INTERIOR
J–BOX	JUNCTION BOX
KW	KILOWATT
LB.	POUND
MAX.	MAXIMUM
M.B.	A307 MACHINE BOLTS
MFR	MANUFACTURER
MIN.	MINIMUM
MISC	MISCELLANEOUS
MOD	MODULE
MTL	METAL
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
O.C.	ON CENTER
OPT	OPTIONAL
PL	PLATE
PLYWD	PLYWOOD
P.S.I.	POUNDS PER SQUARE INCH
P.S.F.	POUNDS PER SQUARE FOOT
P.T.	PRESSURE TREATED
R–11	THERMAL RATING
REQ'D	REQUIRED
RFG	ROOFING
S.D.S.	SELF DRILLING SCREW(S)
SHG	SHEATHING
S.M.S.	SHEET METAL SCREW(S)
STR	STRUCTURAL
SQ.	SQUARE
T&G	TONGUE AND GROOVE
TEK	TEK SCREWS
TS	TUBE STEEL
TYP	TYPICAL
U.B.C.	UNIFORM BUILDING CODE
V	VOLTS
W	WATTS
W.I.C.	WOODWORK INSTITUTE OF CALIFORNIA
W/	WITH
W/O	WITHOUT
ø	DIAMETER
1ø	SINGLE PHASE
3ø	THREE PHASE

STRUCTURAL TESTS AND INSPECTIONS

TESTING LABORATORY: ____________ DATE: ____________

NAME: ____________

DISTRICT/OWNER: ____________

DIVISION – FILE NO. ____________ APPLICATION NO. ____________

ARCHITECT: ____________

STRUCTURAL ENGINEER: ____________

THE FOLLOWING TESTS AND INSPECTIONS, AS CHECKED, WILL BE REQUIRED AS DETAILED IN APPLICATION SPECIFICATIONS.

COMPACTED FILL	CON-CRETE	GUNITE	GROUT	MORTAR	
FILL MATERIAL, ACCEPTANCE TESTS					TEST OF AGGREGATES FOR MIX DESIGN ONLY
COMPACTION CONTROL, CONTINUOUS					SUITABILITY TESTS OF AGGREGATES AS DETAILED BELOW
COMPACTION TESTS ONLY AS ORDERED	X				MIX DESIGNS (METHOD A)
BEARING CAPACITY OF COMPACTED FILL	X				WEIGHMASTER CERTIFICATE
REINFORCING STEEL					INSPECT PLACING
SAMPLE AND TEST BAR STEEL					SAMPLE
SAMPLE AND TEST MESH	X				COMPRESSION TESTS (CONCRETE FOUNDATION ONLY)
INSPECT PLACING AT JOB					PICK UP SAMPLES AT JOB
STRUCTURAL STEEL					SAMPLES DELIVERED TO LABORATORY
X SAMPLE AND TEST AS DETAILED BELOW					DELIVER SAMPLE FORMS TO JOBSITE
X SHOP FABRICATION INSPECTION					SAMPLE AND TEST CEMENT
FIELD ERECTION INSPECTION					
X INSPECTION OF WELDS–SHOP					
INSPECTION OF WELDS–FIELD					
INSPECTION OF RIVETING OR BOLTING–SHOP					
INSPECTION OF RIVETING OR BOLTING–FIELD					
SAMPLE AND TEST HIGH STRENGTH BOLTS AND WASHERS					
BRICK AND BLOCK					
SAMPLE AND TEST					
TEST ONLY					
INSPECTION OF PLACING					
CORE DRILL SAMPLES					
OTHER TESTS & INSPECTIONS					
1. GENERAL INPLANT INSPECTION					
2. ELECTRICAL GROUND TEST IN FIELD					
3. TEST ELECTRICAL GROUNDING					

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH PSI MINIMUM			
		@ 28 DAYS			
CONCRETE	1"	2,500 PSI			

LIST OF STRUCTURAL STEEL MEMBERS TO BE TESTED

PROVIDE MILL CERTIFICATES OR TEST PER C.B.C. SECTION 2231A
STRUCTURAL TUBING TS5x5x3/16
LIGHT GAUGE STEEL SECTIONS & PLATES

DISTRIBUTION
( ) ENVIROPLEX INC. ____________
( ) DIVISION OF STATE ARCHITECT ____________
( ) DISTRICT/OWNER ____________
( ) INSPECTOR ____________
( ) ARCHITECT ____________
( ) ____________

AUTHORIZATION SIGNATURE

REMARKS: ____________

D.S.A. REQUIREMENTS

1. ALL MATERIALS & WORKMANSHIP SHALL CONFORM TO THE 2001 CALIFORNIA BUILDING CODE (C.B.C.). A COPY OF THE CALIFORNIA BUILDING CODE SHALL BE KEPT ON THE SITE AT ALL TIMES.
2. CHANGES TO THE APPROVED DRAWINGS & SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CHANGE ORDER APPROVED BY THE STRUCTURAL ENGINEER, OWNER, & THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED.
3. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) & APPROVED BY THE STRUCTURAL ENGINEER & THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 1701A.3 OF 2001 C.B.C.
4. MATERIAL TESTING AS NOTED IN THE STRUCTURAL TESTS & INSPECTIONS AT THE LEFT SHALL BE PERFORMED AS REQUIRED PER SECTION 2231A & 1929A FOR CONCRETE OF 2001 C.B.C. MATERIAL TESTING REQUIRED BY FIRE REGULATIONS SHALL BE PERFORMED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
5. VERIFIED REPORTS (DSA/SSS FORM 6) SHALL BE SUBMITTED PER SECTION 4–336, 4–341(f), 342(b)(8), AND 4–343 (c) BY THE MANUFACTURER, INSPECTOR, STRUCTURAL ENGINEER.
6. A SEPARATE DSA APPLICATION NUMBER MUST BE OBTAINED BEFORE MANUFACTURING ANY ENVIROPLEX UNIT IN ACCORDANCE WITH THESE DRAWINGS.
7. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD & ACCESS REQUIREMENTS & ENVIROMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
8. SPECIAL INSPECTIONS PER SECTION 1701A 2001 C.B.C.

SYMBOL LEGEND

DETAIL NUMBER
SHEET NUMBER
DETAIL REFERENCE

GRID OR MODULE LINE IDENTIFIER

DETAIL NUMBER
SHEET NUMBER
ELEVATION REFERENCE

NORTH
NORTH ARROW

DETAIL NUMBER
SHEET NUMBER
SECTION REFERENCE

48"
30"
WHEELCHAIR CLEAR FLOOR SPACE TO ACCESSIBLE FIXTURE

0'–0"
A.F.F.
ELEV. CONTROL POINT

WHEELCHAIR CLEAR FLOOR SPACE FOR MANEUVERING

SEE SHEET A3 FOR ELECTRICAL SYMBOLS

BUILDING CODES/CBC DATA

APPLICABLE BUILDING CODES AND STANDARDS:

2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).

2001 CALIFORNIA BUILDING CODE, VOLUMES 1, 2 AND 3 (PART 2, TITLE 24, CCR) (1997 EDITION UNIFORM BUILDING CODE W/ 2001 CALIFORNIA AMENDMENTS).

2001 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR) (1999 EDITION NATIONAL ELECTRICAL CODE W/ 2001 CALIFORNIA AMENDMENTS).

2001 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM MECHANICAL CODE W/ 2001 CALIFORNIA AMENDMENTS).

2001 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM PLUMBING CODE W/ 2001 CALIFORNIA AMENDMENTS).

2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR).

2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR).

2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR).

2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR).

NFPA 13, 1999 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED.

NFPA 14, 2000 EDITION, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS.

NFPA 24, 1995 EDITION, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES.

NFPA 72, 1999 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED.

OCCUPANCY: E1
CONSTRUCTION TYPE: V–N
CLASSROOM AREA: 1440 S.F. NOMINAL

SHEET INDEX

- THIS BUILDING IS STRUCTURALLY DESIGNED TO SUPPORT THE WEIGHT OF A FUTURE FIRE SPRINKLER SYSTEM, IF REQUIRED.
- THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES.
- THIS PC IS APPROVED FOR CLIMATE ZONES 1 THROUGH 16.

APPROVALS

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 107401 (Shipingfeng)
DATE 9/18/05

DESIGN CRITERIA:
ROOF: DEAD LOAD – 8.0psf (14.0psf W/1HR ROOF)
ROOF: LIVE LOAD –
■ 20.0 PSF (SNOW)
□ 30.0 PSF (SNOW)
FLOOR: DEAD LOAD – 8.0 PSF
FLOOR: LIVE LOAD –
□ 50.0 PSF
■ 70.0 PSF
□ 125.0 PSF
FLOOR JOIST STIFFNESS RATING –
■ JOISTS @ 32"o.c. (70 PSF RATED)
□ JOISTS @ 24"o.c. (125 PSF RATED)
WALLS: DEAD LOAD – 8.0psf (17.0psf W/STUCCO)
WIND: 80 MPH; EXPOSURE: C
q_s=16.4 PSF; C_e=1.06; C_q AS REQ.
SEISMIC: ZONE 4, $R=4.5$, $\Omega_0=2.8$, $N_a=1.5$, $C_a=0.44N_a$, $N_v=2.0$, $C_v=.64N_v$

JH Lawder, Inc.
Structural Engineers

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

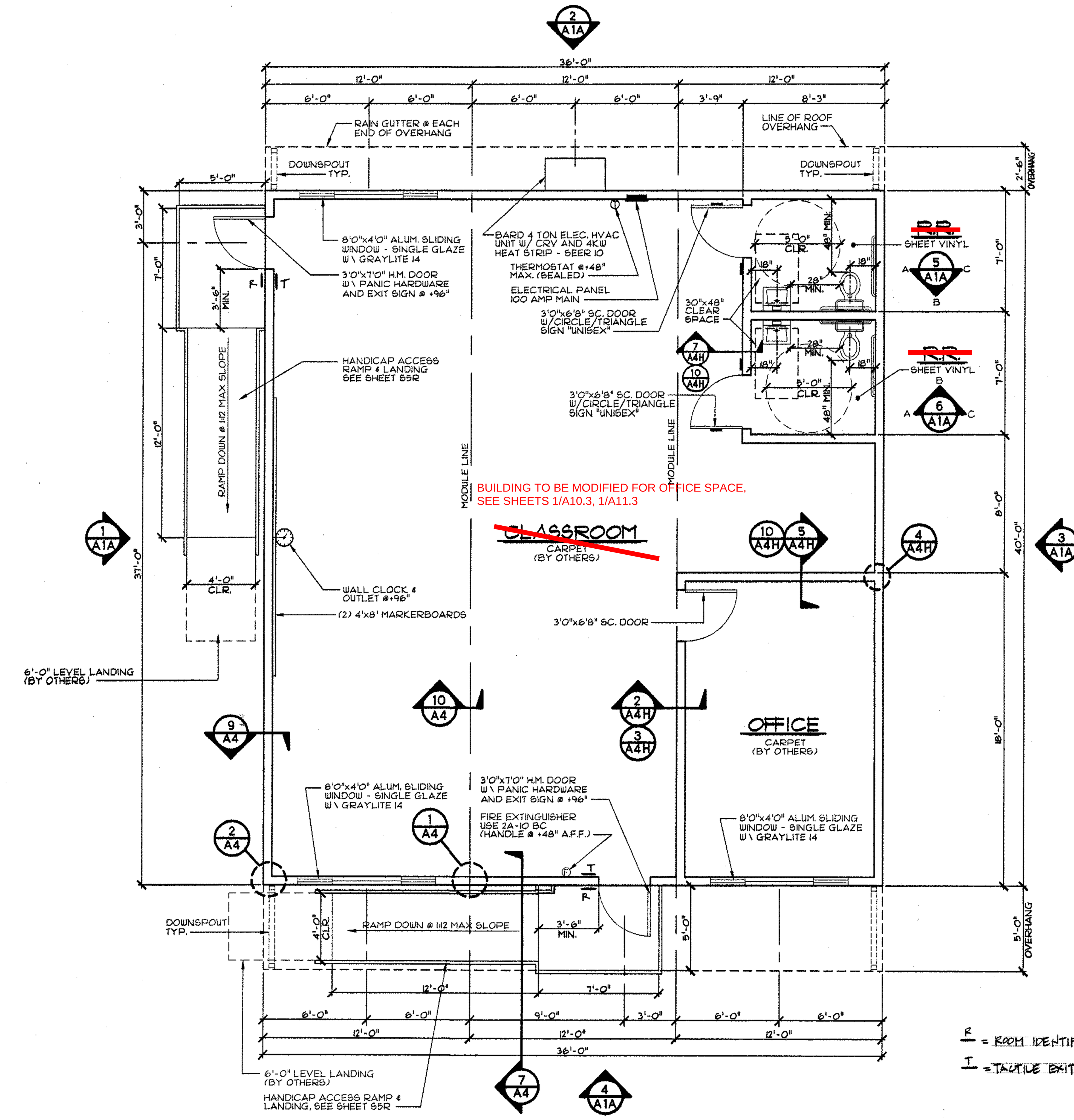
COVER SHEET,
BUILDING CODES & C.B.C. DATA,
SHEET INDEX

REV / DATE:	BY:

JOB No.:	05–023
DRAWN BY:	JM
DATE:	05–23–05

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION.

A0



F = ROOM IDENTIFICATION SIGNAGE W/ I.S.A. (BY OTHERS)

T = TACTILE EXIT SIGNAGE (BY OTHERS)

1 FLOOR PLAN
SCALE: 1/4"=1'-0"

1. CARPETS- ALL MODULES SHALL BE CARPETED WITH DIRECT GLUE DOWN TYPE PER STATE OF CALIFORNIA SPECIFICATION 7220-21K-01, GROUP 1, TYPE "A", CLASS 24. THE CARPET DENSITY SHALL BE 4600 MIN. PILE YARN SHALL BE BRANDED NYLON, INSTALLED WITH MINIMAL CROSS SEAMS. COLOR TO BE SELECTED BY OWNER.
2. RESILIENT BASE COVE- BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE. SOLID COLORS AS MANUFACTURED BY "BURKE RUBBER CO." OR EQUAL.
3. ADHESIVES SHALL BE WATER BASE, SOLVENT BASE NOT ACCEPTABLE. FURNISH AND APPLY PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
4. SEALANT- ROOF & MODULE LINE - POLYURETHANE
   SIDING & TRIM - ACRYLIC LATEX
5. PAINT- (EXTERIOR WOOD) PRIMER----------ACRYLIC UNDERCOAT
   FINISH----------ACRYLIC LATEX
   (METALS)------- PRIMER----------RED OXIDE ALKYD
   FINISH----------ACRYLIC LATEX
6. M.D.O. BUILDING, DOOR, & WINDOW TRIM. TRIM SHALL BE SEALED AT ALL EDGES SEALANT. PAINTED TO MATCH TRIM OR SIDING.
   EXTERIOR SIDING-8" O.C. GROOVED M.D.O. PLYWOOD OR STUCCO PATTERN FACED EXTERIOR SIDING. (MINIMUM NET THICKNESS 3/8")
7. HOLLOW METAL DOORS AND FRAMES- 3'0" x 7'0" x 1-3/4" 18 GA. FULL FLUSH METAL DOOR IN 16 GA. METAL FRAME.
   EXIT DOOR SHALL BE OPENABLE FROM THE INTERIOR WITHOUT A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
   WHEN CLOSERS ARE PROVIDED FOR DOORS, CLOSERS SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 5 LBS.
   DEADBOLTS NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT USING LEVER HANDLE.
   DOOR SWINGS CAN BE RIGHT OR LEFT HAND HINGE.
   HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISHED FLOOR.
   (UNLESS OTHERWISE NOTED)
   LOCKSET (LEVER MODEL) SCHLAGE D70PDRHO (RHODES) OR EQUAL
   (WHERE SPECIFIED ONLY)
   LOCKSET (PANIC DEVICE) INTERIOR: PRECISION #1108 OR EQUAL
   EXTERIOR: PRECISION #3908A OR EQUAL
   CYLINDER: SCHLAGE, YALE, SARGENT OR EQUAL

EXTERIOR HINGES	HAGER BB1279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL
INTERIOR HINGES	HAGER BB1279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL
CLOSER	NORTON 8501BF OR EQUAL
THRESHOLD	PEMKO 271A OR EQUAL
DOOR BOTTOM	PEMKO 216AV OR EQUAL
WEATHERSTRIP	PEMKO 299AV OR EQUAL

8. WINDOWS: CLIMATE ZONES 1, 14, 15 & 16 - "ALL WEATHER" DOUBLE PANE, TINTED, METAL FRAME W/ NFRC RATED U-VALUE = 0.78 AND SHGC = 0.43 ARE REQUIRED
   CLIMATE ZONES 2 THROUGH 13 - "ALL WEATHER" SINGLE PANE, TINTED, METAL FRAME W/ NFRC RATED U-VALUE = 1.14 AND SHGC = 0.39 ARE REQUIRED
   NOTE: "ALL WEATHER" DOUBLE PANE, TINTED, METAL FRAME WINDOWS DEFINED ABOVE ARE OPTIONAL

ROOFING
METAL ROOF:
PREFINISHED, UNPENETRATED INTERLOCKING, 26 GAGE MIN. GALVANIZED STEEL ROOF PANELS, MECH. CRIMPED STANDING SEAMS OVER SEAL-TITE #15 UNDERLAYMENT OVER 15/32" APA RATED, EXTERIOR GRADE PLYWOOD. (CLASS "B" FIRE RATING)

INSULATION
1. ALL INSULATION (INCLUDING PIPE INSULATION) SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS, CALIFORNIA BUILDING CODE SEC, 707.2 , 707.3. & 2606 FOR FOAM. MAX FLAME SPREAD: 25, MAX SMOKE DENSITY: 450

ROOF: CLIMATE ZONES 1, 14, 15 & 16 - R-30 FIBERGLASS BATTS REQUIRED
CLIMATE ZONES 2 THROUGH 13 - R-19 FIBERGLASS BATTS, OPTIONAL R-30
WALLS: CLIMATE ZONES 1, 14, 15 & 16 - R-13 FIBERGLASS BATTS REQUIRED
CLIMATE ZONES 2 THROUGH 13 - R-11 FIBERGLASS BATTS
FLOOR: CLIMATE ZONES 1 THROUGH 16 - 1 1/2" POLYISOCYANURATE RIGID INSULATION (R-6.4 PER INCH OR GREATER)

IDENTIFICATION
NOTE: THE MANUFACTURER SHALL PLACE TWO PERMANENT METAL IDENTIFICATION TAG ON EACH MODULAR BUILDING MECHANICALLY FASTENED TO THE END WALL. THE TAG SHALL SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S SERIAL NUMBER, PLANT INSPECTOR'S IDENTIFICATION MARK AND DESIGN FLOOR AND ROOF LIVE LOAD. PLACE ONE TAG ON EXTERIOR AND, ONE ON THE INTERIOR ABOVE CEILING LINE.

8 MATERIAL SPECIFICATIONS & NOTES

1. SAWN LUMBER GRADED PER WEST COAST LUMBER INSPECTION BUREAU, RULE 17.
2. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR #2, ALL BLOCKING SHALL BE DOUGLAS FIR #3,
3. LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
4. LUMBER MAY BE REJECTED FOR BOXED HEART, EXCESSIVE WARP, TWIST, SPLIT, CHECK, FUNGUS, MOLD, OR ANY REASON PROVIDED BY GRADING RULES.

9 LUMBER NOTES

1. ALL MODULES MAY BE BUILT OPPOSITE HAND FROM THE WAY THEY ARE SHOWN
2. SIDEWALL & ENDWALL ELEVATIONS SHOWN ON THIS SHEET DEPICT NON-BEARING WALLS NOT REQUIRED FOR THE RESISTANCE OF VERTICAL OR LATERAL LOADS.

10 BUILDING AND WALL PANEL OPTIONS

DIVISION OF THE STATE ARCHITECT

02 487161

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 W. 10th Street, Modesto, CA 95354

JOHN H. LAWDER
NO. S2310
EXP. 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING (STOCK PILE)

MOBILE MODULAR MANAGEMENT CORPORATION

FLOOR PLAN, MATERIAL SPECIFICATIONS, & NOTES

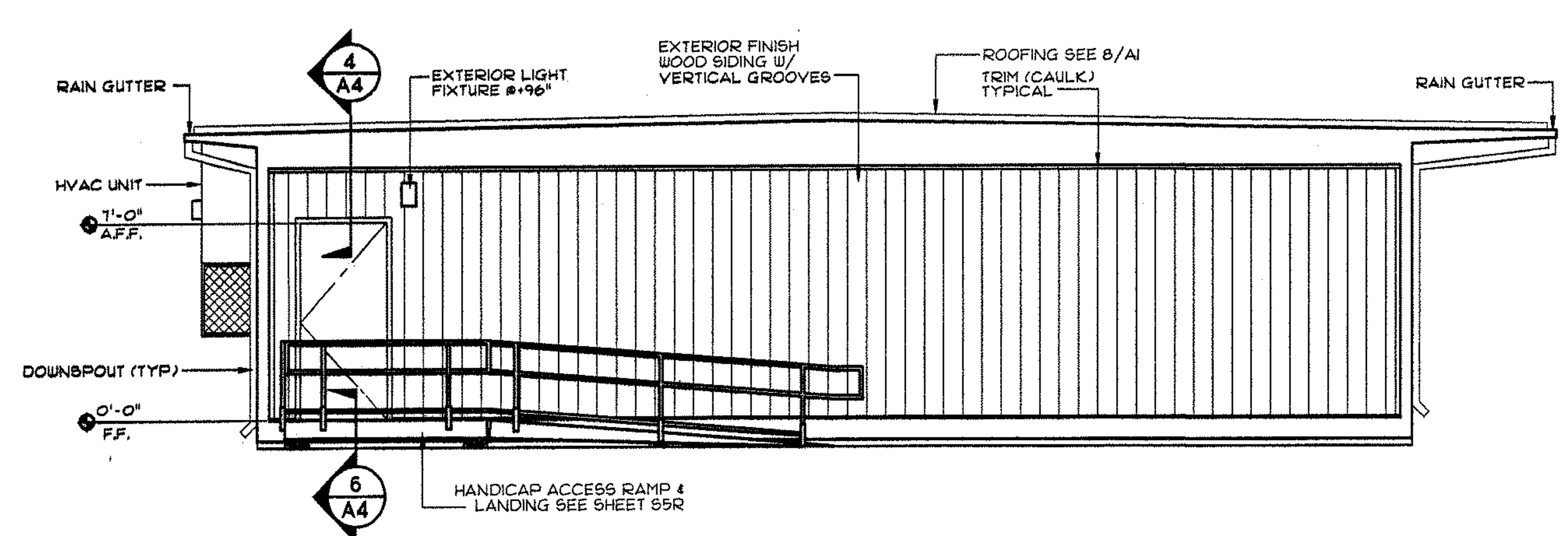
REV / DATE:	BY:

JOB No.:	05-023
DRAWN BY:	JM
DATE:	05-23-05

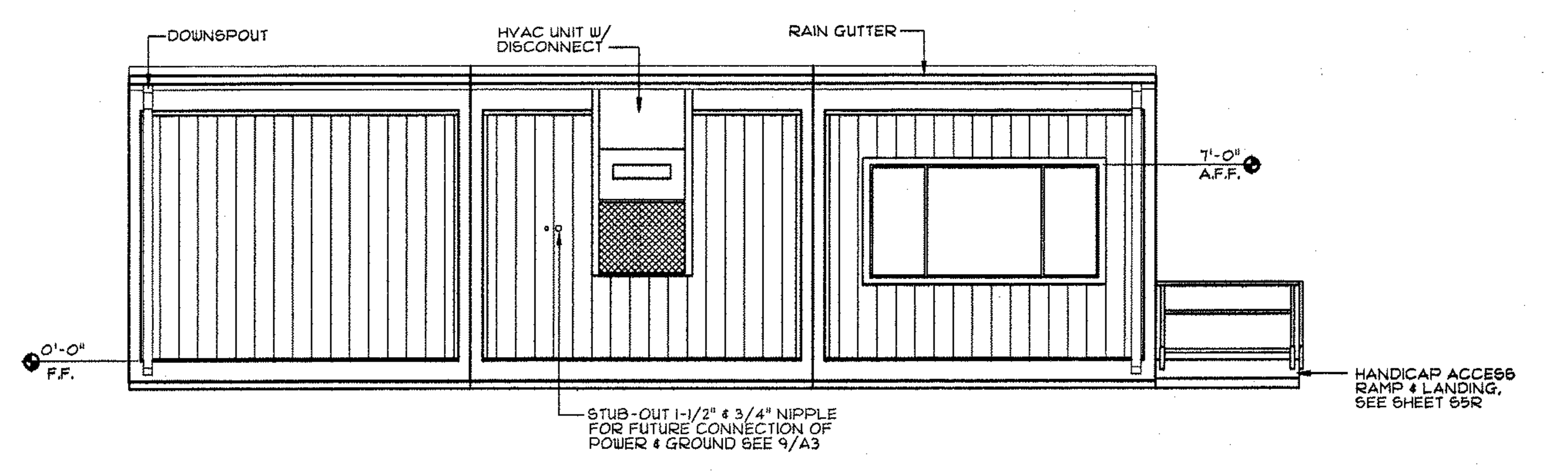
THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

A1

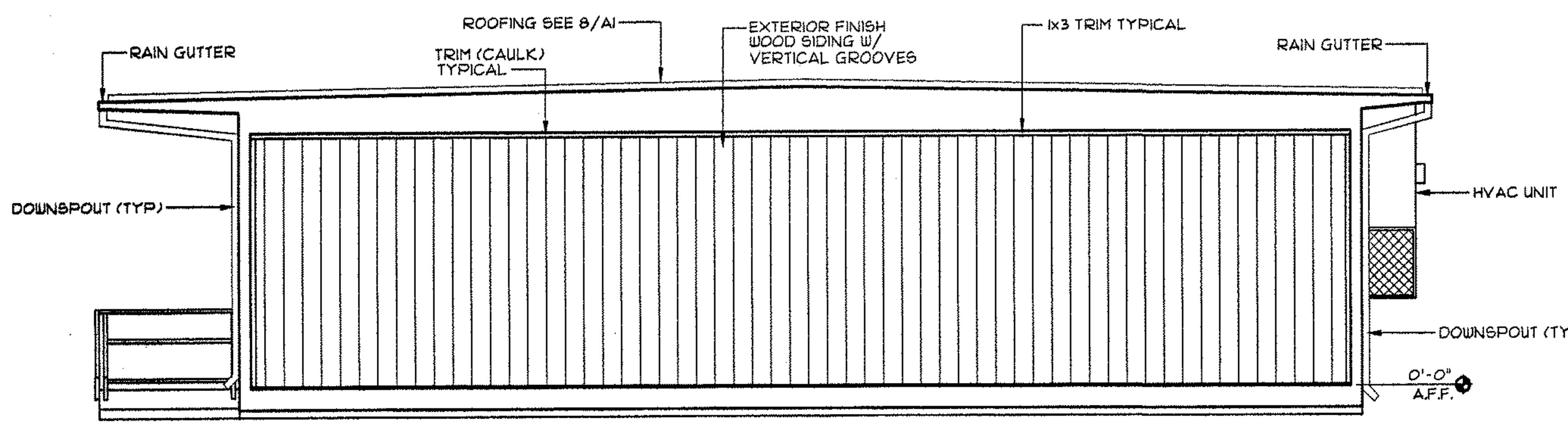
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



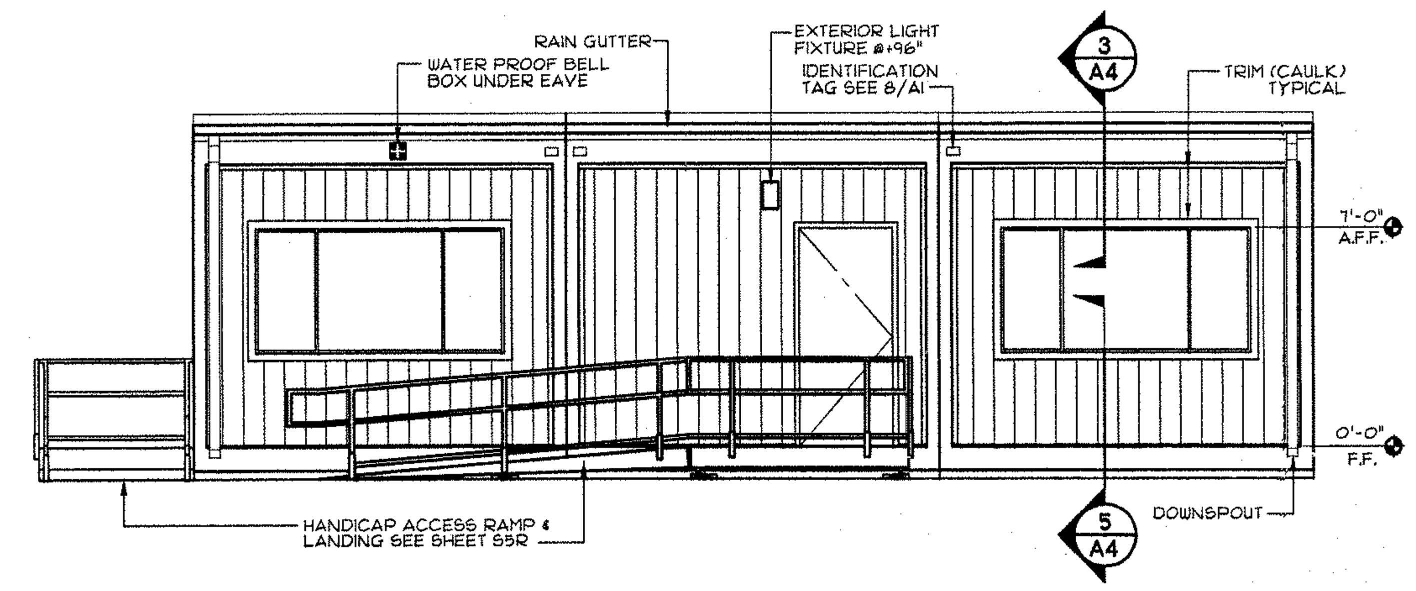
1 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



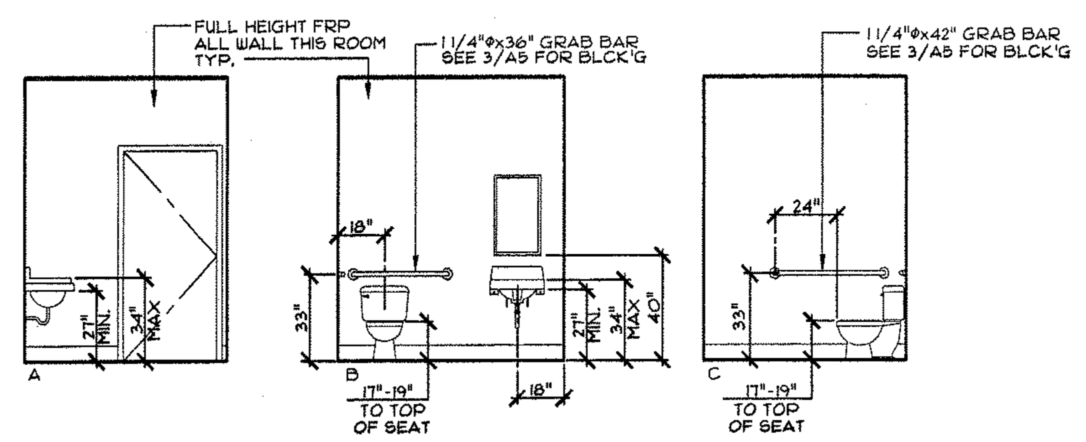
2 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



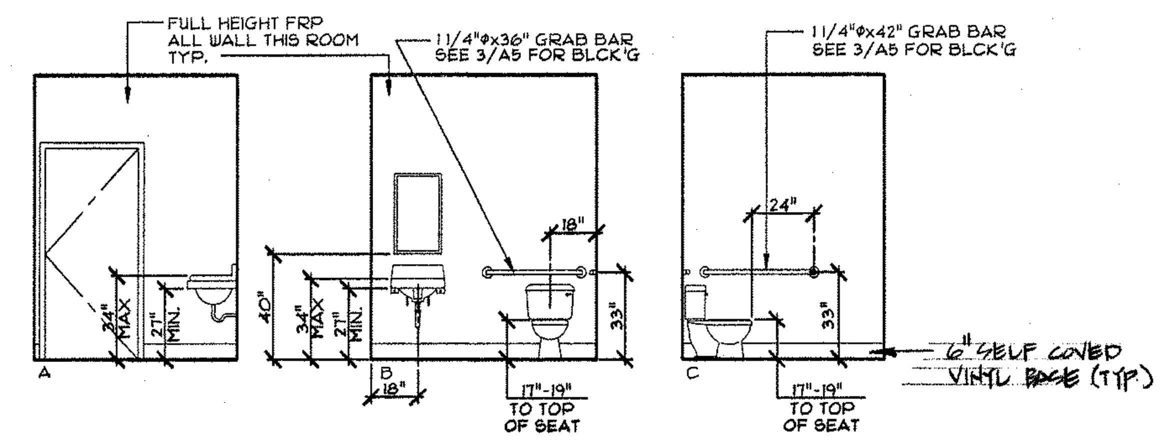
3 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



4 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



5 INTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



6 INTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"

JH Lawder, Inc.
Structural Engineers

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING (STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

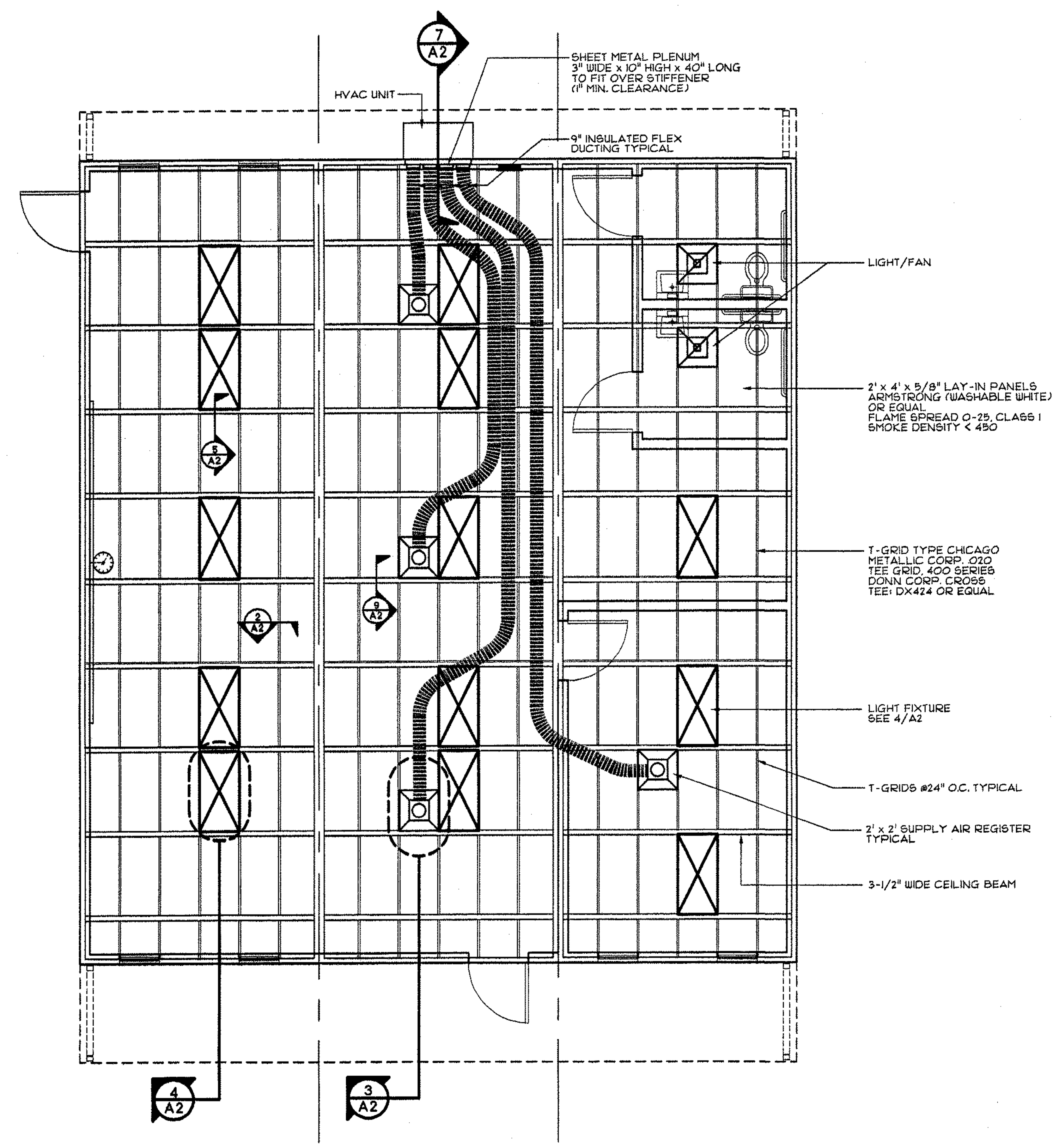
INTERIOR & EXTERIOR ELEVATIONS

REV / DATE:	BY:

JOB No.:	05-023
DRAWN BY:	JM
DATE:	05-23-05

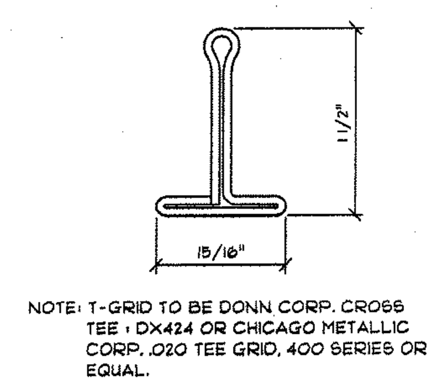
THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

A1A



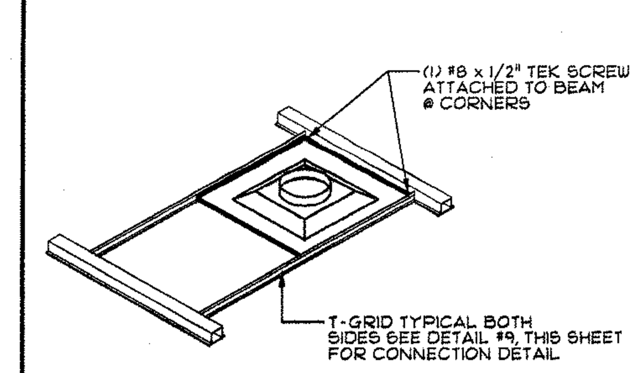
NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

1 "EXTERIOR HVAC" MECHANICAL & REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

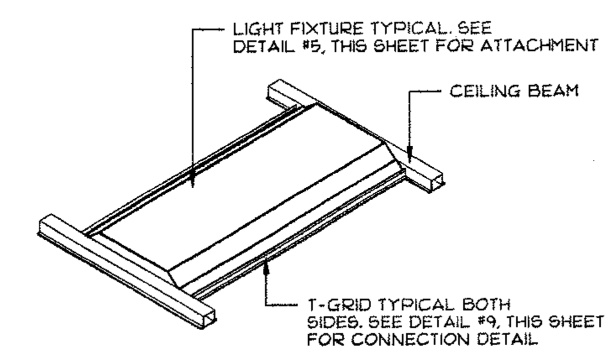


NOTE: T-GRID TO BE DONN CORP. CROSS TEE : DX424 OR CHICAGO METALLIC CORP. .020 TEE GRID, 400 SERIES OR EQUAL.

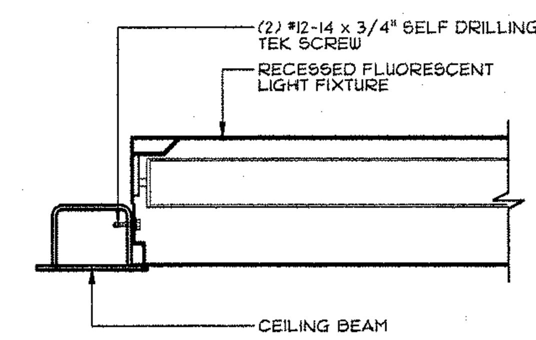
2 TYP. T-GRID SECTION
SCALE: FULL



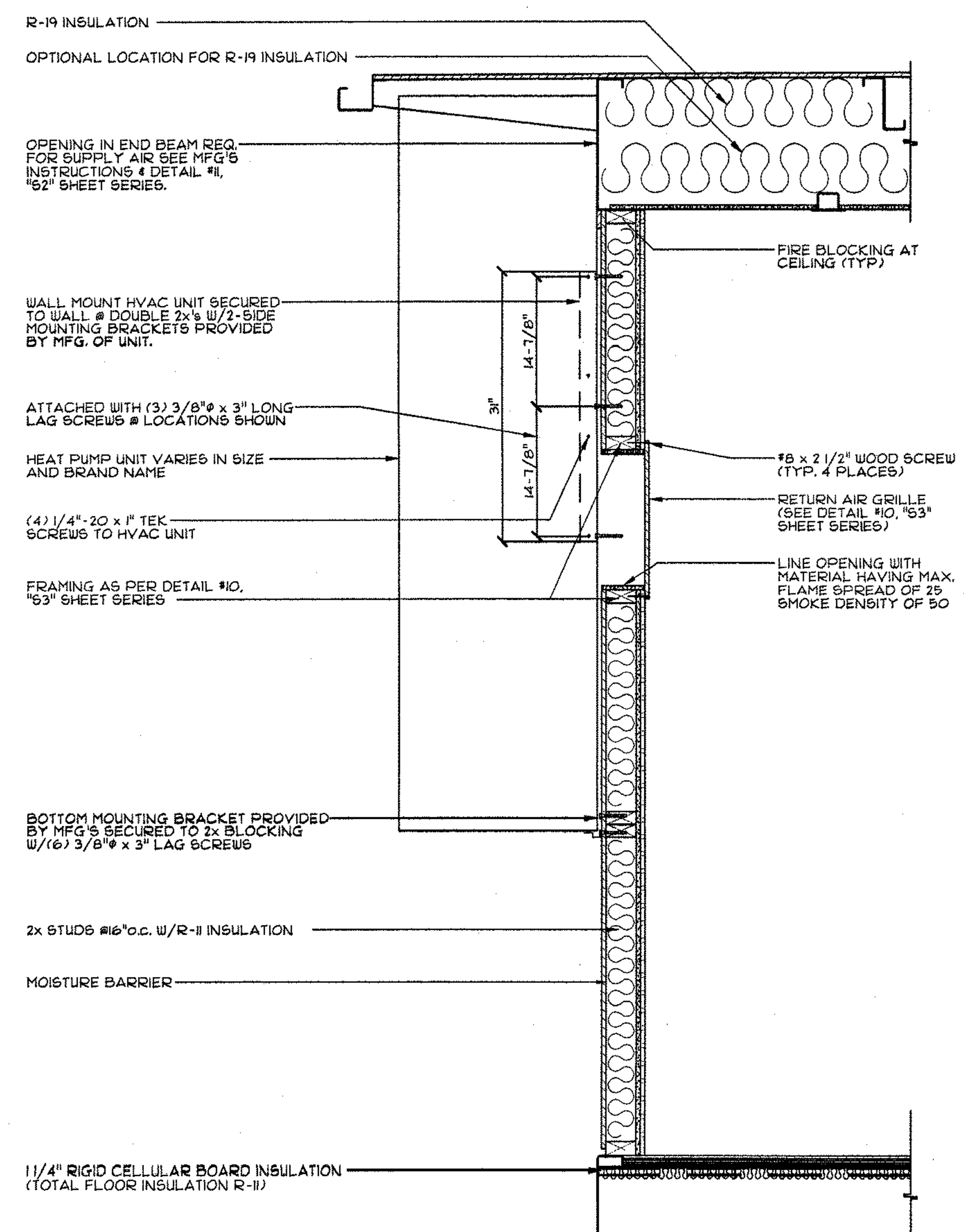
3 SUPPLY AIR REGISTER
SCALE: 1/2"=1'-0"



4 LAY-IN LIGHT FIXTURE
SCALE: 1/2"=1'-0"



5 LIGHT FIXTURE SUPPORT
SCALE: 3"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

7 HVAC UNIT WALL ATTACHMENT DETAIL
SCALE: 1"=1'-0"

1. EXTERIOR HEAT PUMP
SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD WH48A05VX4 (OR EQUAL)

WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 39,406 BTU HR (95°F) HEATING 43,000 BTU HR (47°F)
E) WEIGHT: 510# MAX

1A. INTERIOR HEAT PUMP
SINGLE PACKAGE FLOOR & WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD QH42A05VPXD (OR EQUAL)

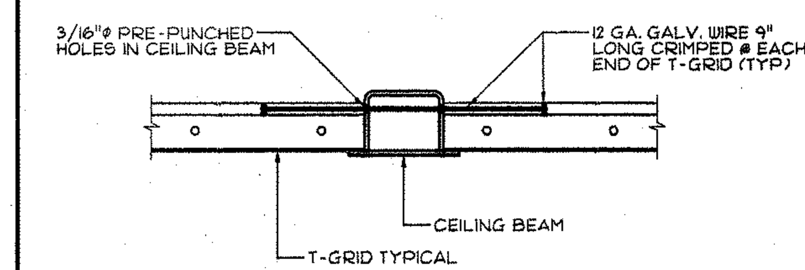
WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 40,000 BTU HR (95°F) HEATING 38,000 BTU HR (47°F)
E) WEIGHT: 530# MAX

AIR FILTERS:
AN APPROVED TYPE TESTED IN ACCORDANCE WITH TEST METHODS SFM-12-71-AS SHOWN IN PART 12. TITLE 24. CALIFORNIA CODE OF REGULATIONS. PREFORMED FILTERS HAVING COMBUSTABLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS IN ALL OCCUPANCIES SHALL BE CLASS 2 OR BETTER. AS DEFINED IN THE TEST METHOD ABOVE. AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT.

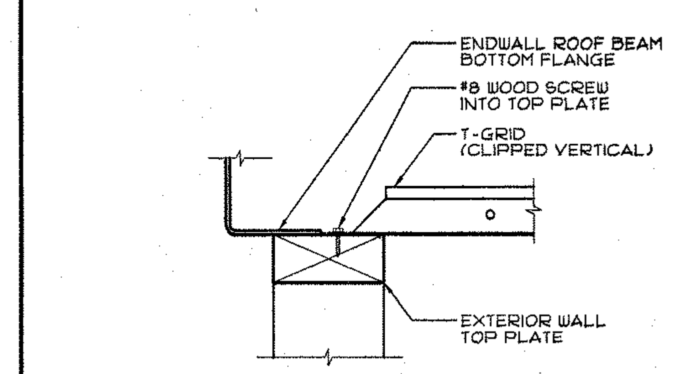
2. CONTROLS:
THERMOSTAT: WHITE-ROGERS 92371 OR 90371 DIGITAL (TAMPER PROOF). MAX. +60" FROM FLOOR (+48" MAX IF NON-SEALED TYPE).

3. DUCTS: MAY BE CLASS "1" OR "0"
FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARDS NO. 6-1. EACH PORTION OF A FACTORY MADE AIR DUCT SYSTEM SHALL BE INDENTIFIED BY THE MANUFACTURER WITH A LABLE OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE W/UMC STANDARD NO. 6-1 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THIER LISTING. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDING SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVE AS NORMALLY APPLIED. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50

8 HVAC SPECIFICATIONS



9 T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"



10 T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"

DIVISION OF THE STATE ARCHITECT

7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 14th STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP. 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

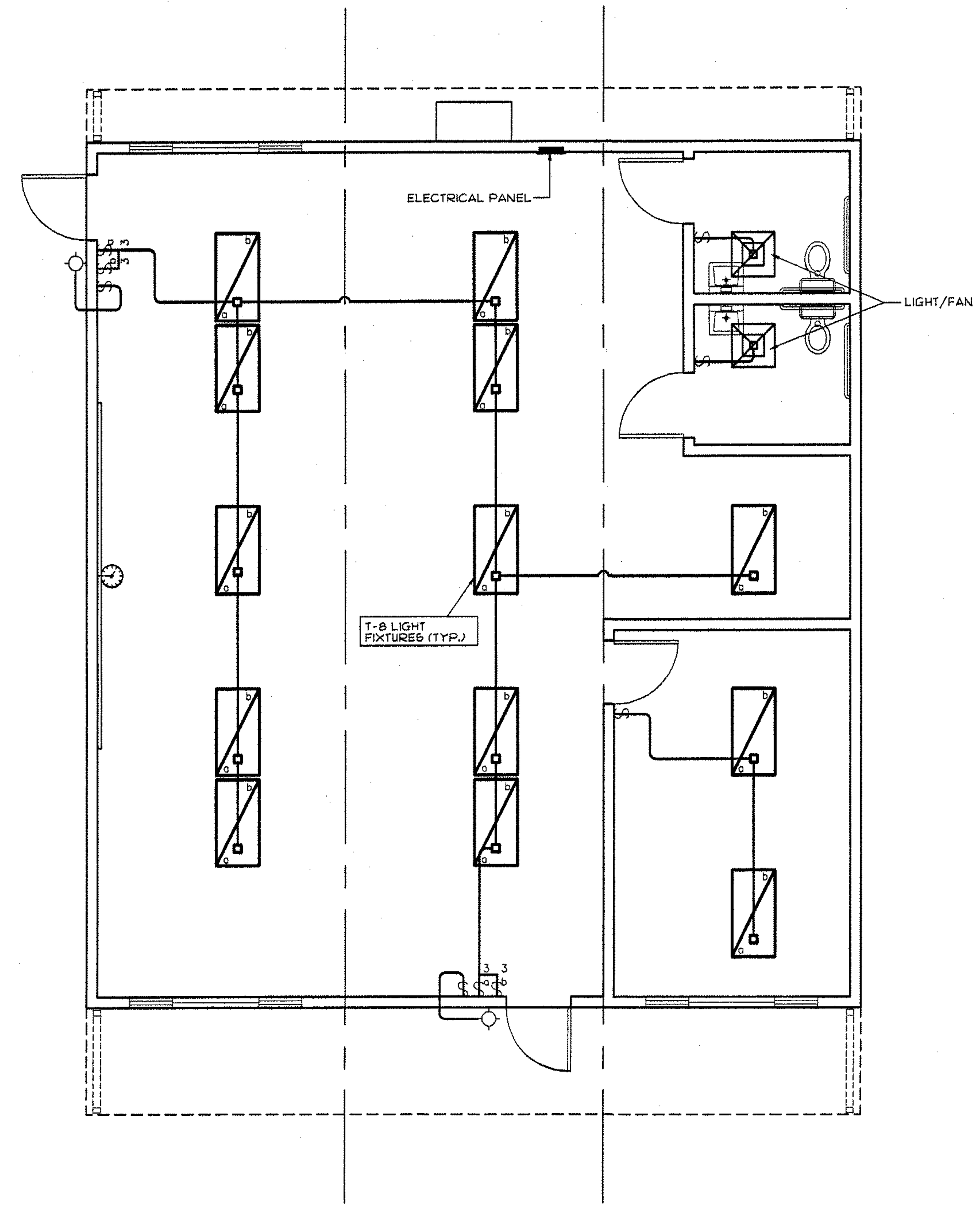
"EXTERIOR HVAC UNIT"
MECHANICAL & REFLECTED CEILING PLANS, HVAC WALL ATTACH., DETAILS, HVAC SPECIFICATIONS

REV / DATE:	BY:

JOB No.:	05-023
DRAWN BY:	JM
DATE:	05-23-05

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

A2



NOTE:
NO ALTERATIONS (DRILLING HOLES, ECT.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

8 ELECTRICAL LIGHTING PLAN

SCALE: 1/4"=1'-0"

1. FIRE ALARM: FURNISHED BY OWNER AND SHALL CONFORM TO THE CALIFORNIA BUILDING CODE SECTION 305.9 AND CALIFORNIA ELECTRICAL CODE ARTICLE 760.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY D.S.A.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE PROJECT INSPECTOR.

2 FIRE PROTECTION

- DUPLEX RECEPTACLE @+15" MIN. A.F.F. (UNLESS OTHERWISE NOTED)
- PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT @+60" MAX. A.F.F. (NON USER OPERABLE)
- WALL CLOCK W/SINGLE CLOCK RECEPTACLE
- J — JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)
- H — WATER PROOF BELL BOX UNDER EAVE @+9'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION
- P — JUNCTION BOX @+48" A.F.F. FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- V — JUNCTION BOX @+90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- I — JUNCTION BOX @+48" A.F.F. (U.O.N.) FOR FUTURE INTERCOM
- EXTERIOR INCANDESCENT LIGHT FIXTURE @ +96" A.F.F. (U.O.N.)
- S — LIGHT SWITCH @+48" MAX. A.F.F.
- HT — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)
- S — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

1. WALL CLOCK:
   12"ø CLOCK WITH "EAGLE" CLOCK RECEPTACLE
   115 VAC. "R&H" INC. (OR EQUAL.)
2. ELECTRICAL PANEL:
   FLUSH MOUNTED W/ HINGED DOORS AND INDEXED CARD HOLDERS
   CIRCUIT BREAKER(S) WILL HAVE AN APPROPRIATE UL. LABEL LISTING.
3. RECEPTACLES:
   "LEVITON", "HUBBEL" (OR EQUAL.)
4. LIGHT SWITCHES:
   "LEVITON", "HUBBEL" (OR EQUAL.)
5. LIGHTING FIXTURE:
   2' x 4' FLUORESCENT LAY-IN TYPE FIXTURES, T-8 W/ ELECTRONIC BALLASTS & 32 WATT LAMPS "COOPER", "LITHONIA" (OR EQUAL) MAXIMUM OF (4) LAMPS AND 128 INPUT WATTS PER FIXTURE.
6. ELECTRIC METALLIC TUBING:
   COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED.
7. CONDUCTORS:
   COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6 TYPE THW FOR LARGER SIZES. MINIMUM SIZE #12. LIGHTING & OUTLETS USE MINIMUM SIZE #12, SIZE HVAC WIRING PER LOAD.
8. SEE SHEET A2 FOR HVAC & THERMOSTAT SPECIFICATION.
9. SUPPLEMENTAL ELECTRICAL POWER SYSTEM (OPTIONAL):
   "UNI-SOLAR" PHOTOVOLTAIC LAMINATE (PVL) SOLAR ELECTRIC ROOF PANELS. FACTORY OR FIELD INSTALLED IN 18'-0" LONG x 15" WIDE x 0.12" THICK FLEXIBLE SHEETS (WT. = 0.75 P.S.F.). ADHESIVE BONDED TO GALV. STANDING SEAM METAL ROOF PANS.
   SOLAR ELECTRIC SYSTEM SHALL BE INSTALLED WITH ALL NECESSARY COMPONENTS AND EQUIPMENT TO GENERATE SUPPLEMENTAL ELECTRICAL POWER (FLEXIBLE SOLAR PANELS, WIRING, CONDUIT/WIRE WAYS, DISCONNECTS, INVERTER, AND OPTIONAL BATTERY BACKUP, ETC.)
10. ILLUMINATED EXIT SIGNS AND EMERGENCY LIGHT FIXTURES:
    IF REQUIRED BY CODE, SHALL BE PROVIDED IN COMPLIANCE W/ C.B.C. 1003.2.8 & 1003.2.9

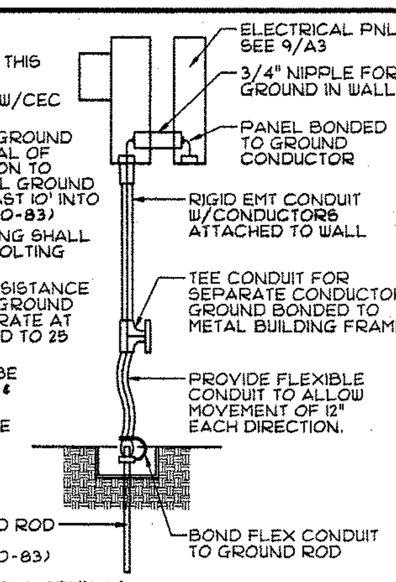
3 ELECTRICAL SPECIFICATIONS

1. CERTIFIED LUMINARIES/BALLASTS.
2. INDEPENDENT CONTROL WITHIN ENCLOSED AREAS.
3. MANUAL SWITCHING READILY ACCESSIBLE.
4. REDUCTION OF LIGHTING LOAD TO AT LEAST 50%.
5. SEPARATE SWITCHING OF DAYLITE AREAS.
6. TANDEM WIRING OF (4) LAMP LUMINARIES.

4 ELECTRICAL LEGEND

5 ELECTRICAL ENERGY COMPLIANCE

NOTES:
1. METER AND GROUND ARE NOT PART OF THIS CONTRACT TO BE PROVIDED BY OTHERS
2. SIZE OF CONDUCTORS SHALL COMPLY W/CEC TABLE 250-95
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL OF BUILDING FRAME (CEC. 250-81) IN ADDITION TO THE DETAIL SHOWN BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (C.E.C. 250-81 & 250-83)
4. ALL MODULES OF METAL FRAME BUILDING SHALL BE ELECTRICALLY BONDED TOGETHER, BOLTING ONLY IS NOT ACCEPTABLE BONDING.
5. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS W/ CONDUCTORS AS SHOWN, SEPARATE AT LEAST 6'0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (C.E.C. 250-84
6. ELECTRICAL GROUNDING TEST SHALL BE WITNESSED BY THE PROJECT INSPECTOR & RESULTS SENT TO D.S.A..
7. GROUND ROD GROUNDING CLAMP TO BE BUSHING RATED FOR 3 CONNECTIONS



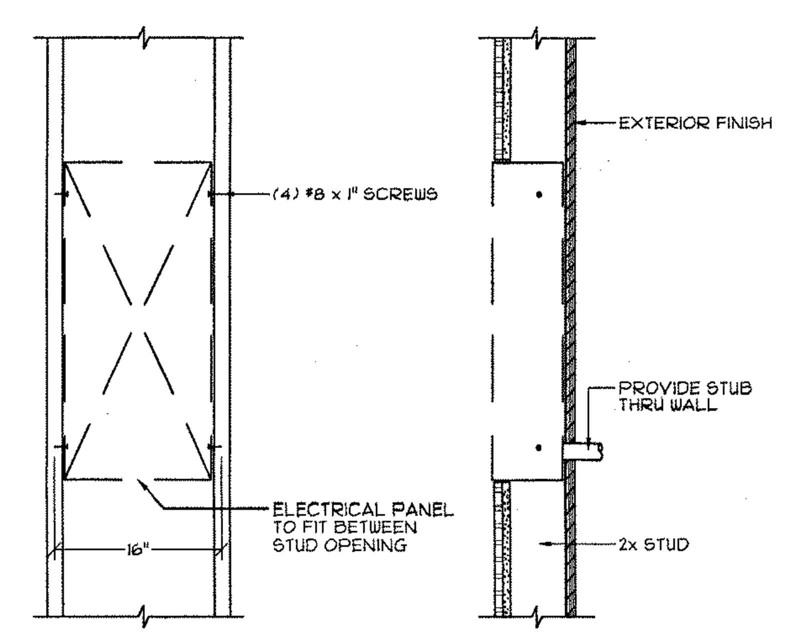
NOTE: GROUND TO BE PROVIDED BY OTHERS

6 ELECTRICAL GROUND

7

DIVISION OF THE STATE ARCHITECT

7/18/05



9 ELECTRICAL PANEL INSTALLATION

SCALE: 1"=1'-0"

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

ELECTRICAL LIGHTING PLAN, DETAILS, ELECTRICAL NOTES

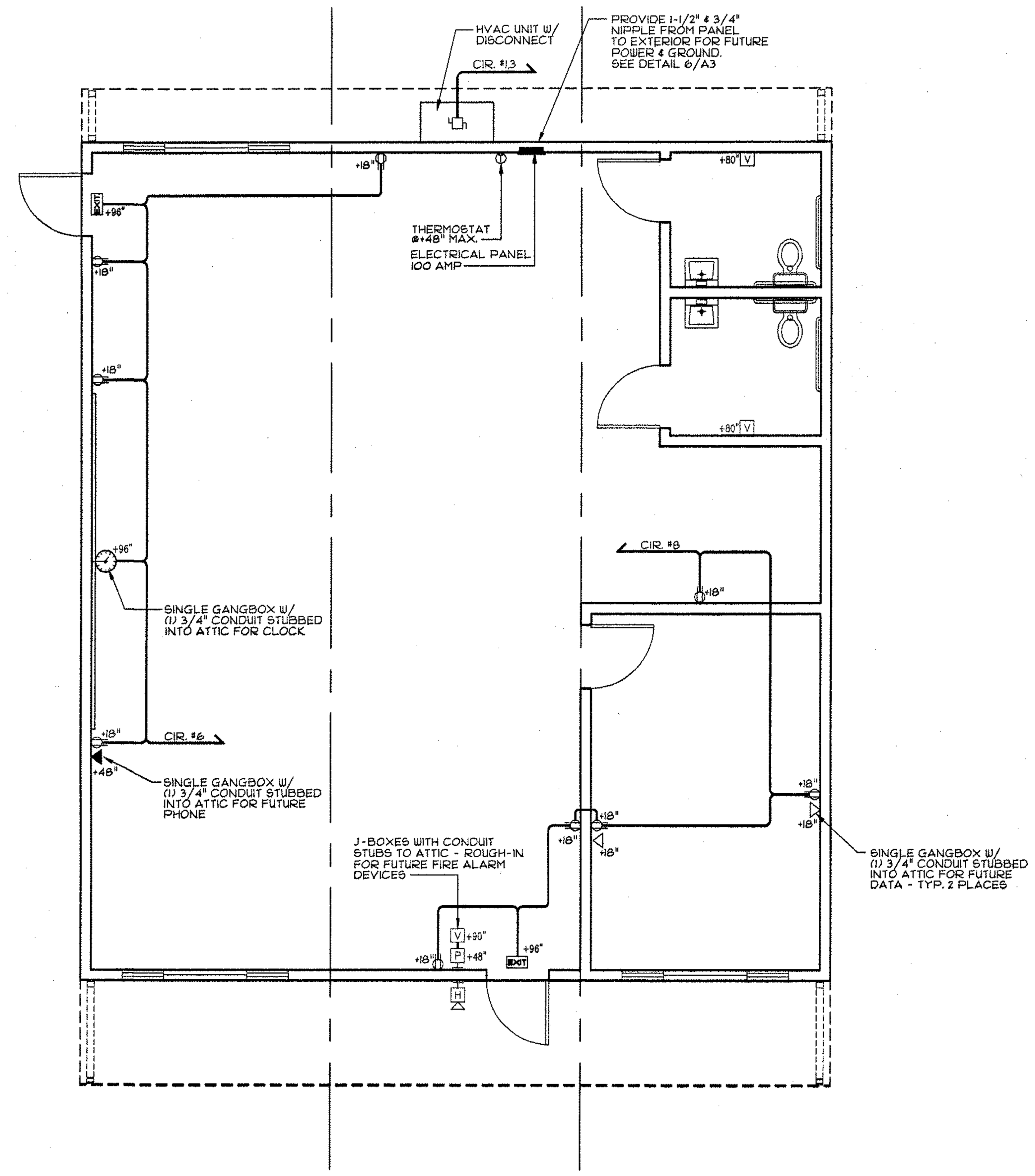
REV / DATE:	BY:

JOB No.:	05-023
DRAWN BY:	JM
DATE:	05-23-05

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

A3A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



NOTE:
NO ALTERATIONS (DRILLING HOLES, ECT.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

8 — ELECTRICAL POWER & SIGNAL PLAN
SCALE: 1/4"=1'-0"

ELECTRICAL LEGEND

- DUPLEX RECEPTACLE @+15" MIN. A.F.F. (UNLESS OTHERWISE NOTED)
- PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT @+60" MAX. A.F.F. (NON USER OPERABLE)
- WALL CLOCK W/SINGLE CLOCK RECEPTACLE
- J — JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)
- H — WATER PROOF BELL BOX UNDER EAVE @+9'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION
- P — JUNCTION BOX @+48" A.F.F. FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- V — JUNCTION BOX @+90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- I — JUNCTION BOX @+48" A.F.F. (U.O.N.) FOR FUTURE INTERCOM
- EXTERIOR INCANDESCENT LIGHT FIXTURE @ +96" A.F.F. (U.O.N.)
- S — LIGHT SWITCH @+48" MAX. A.F.F.
- HT — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)
- S — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

ELECTRICAL PANEL SCHEDULE

PANEL SCHEDULE:
MOUNTING: FLUSH INT. NEMA-1 VOLTS: 120/240
PANEL: 125A PHASE: 1φ
MAIN BREAKER: 100A WIRE: 3W

DESCRIPTION	LOAD	BRKR		A B		BRKR	LOAD	DESCRIPTION
EXTERIOR HVAC UNIT	7360	80/	1		2	20/1	1200	LIGHTING
	7360	/2	3		4	20/1	1200	LIGHTING
			5		6	20/1	900	OUTLETS
			7		8	20/1	900	OUTLETS
			9		10			
			11		12			

LEG A: 9460 W
LEG B: 9460 W
TOTAL: 18920 W 78.8 AMPS

DIVISION OF THE STATE ARCHITECT

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1165

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

ELECTRICAL POWER & SIGNAL PLAN

REV / DATE:	BY:

JOB No.:	05-023
DRAWN BY:	JM
DATE:	05-23-05

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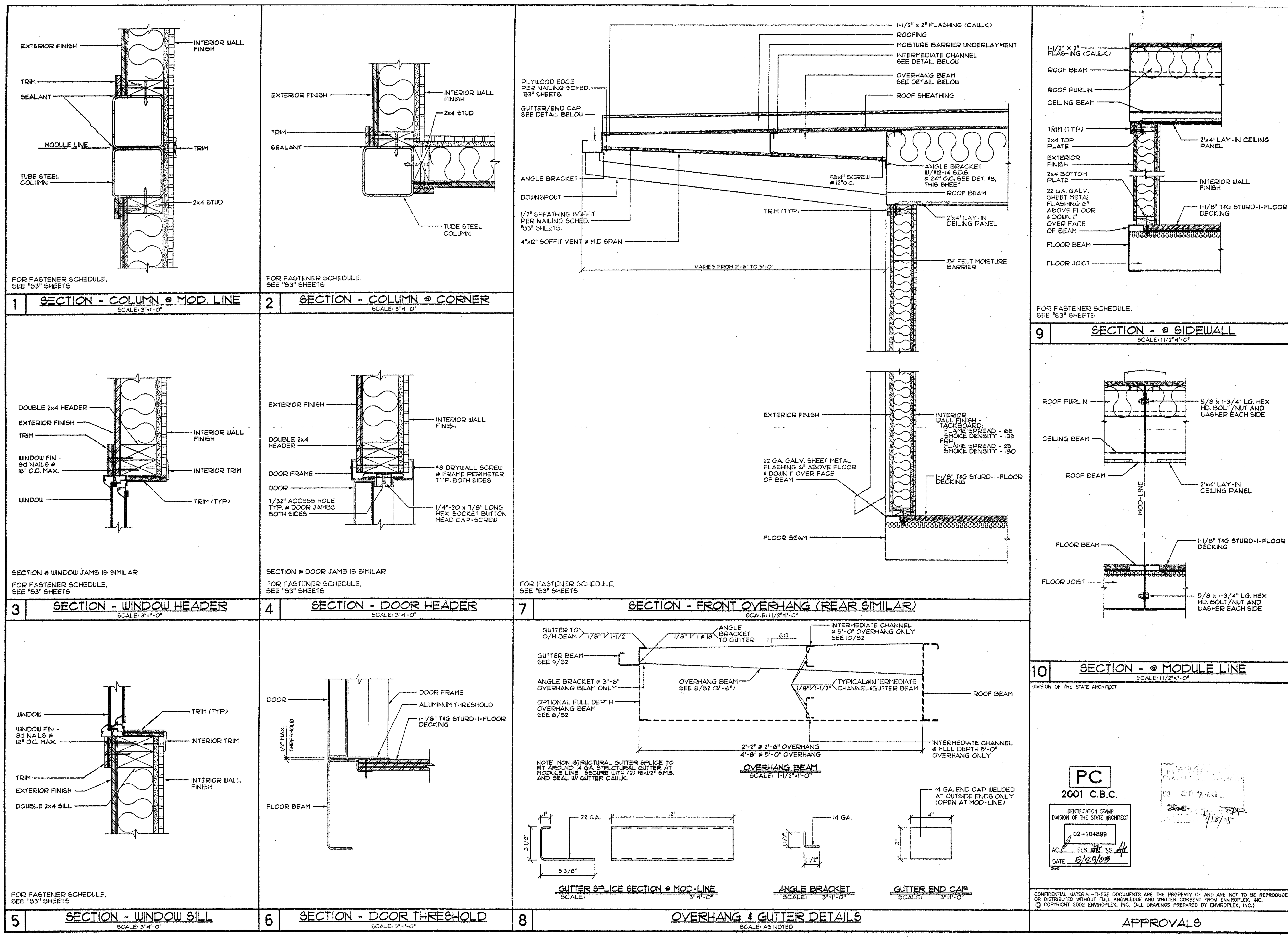
A3B



DIVISION OF THE STATE ARCHITECT

PC
2001 C.B.C.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
AC ___ FLS ___ SS ___
DATE 5/29/03

02-104899
7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 15TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

BI-PITCH ROOF
SECTIONS AND DETAILS
(2x4 EXTERIOR WALLS)

REV / DATE:	BY:

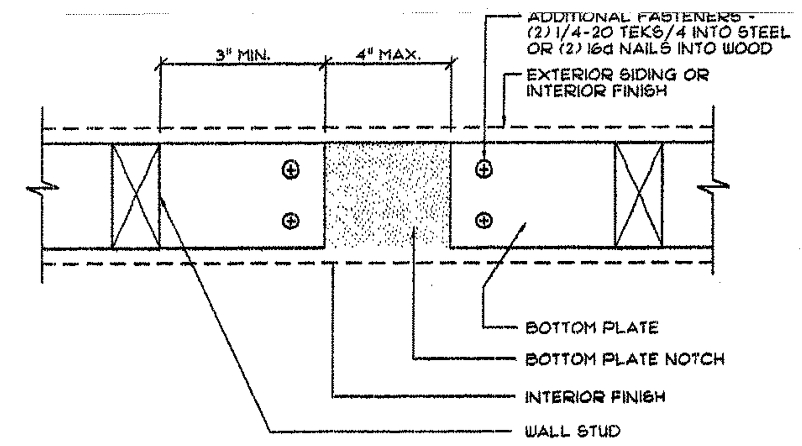
JOB No.:
DRAWN BY:
DATE:

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

A4

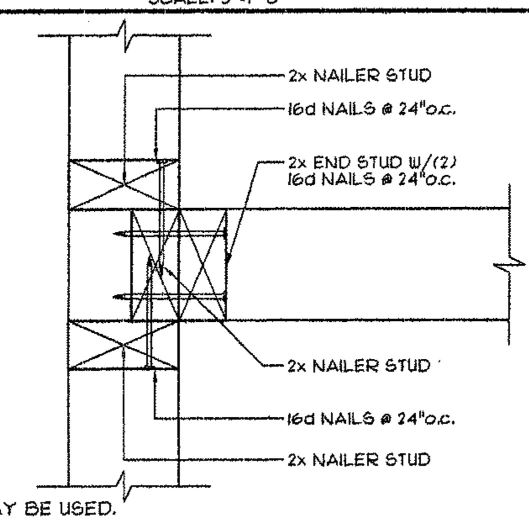
24'x40' TO 180'x40' P.C.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



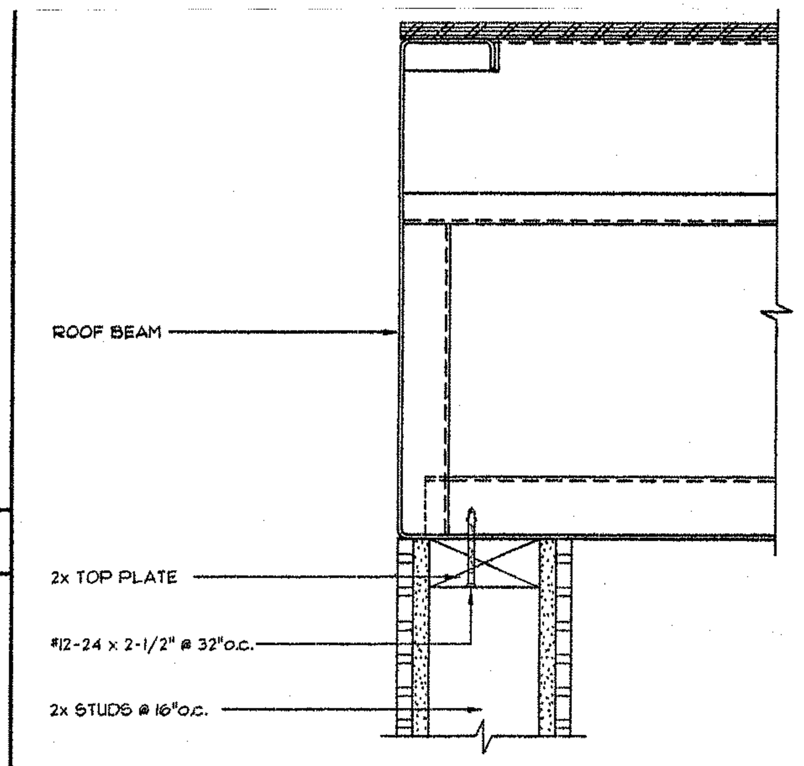
FOR FASTENER SCHEDULE, SEE "S3" SHEETS

1 ALLOWABLE BOTTOM PLATE NOTCH
SCALE: 3"=1'-0"



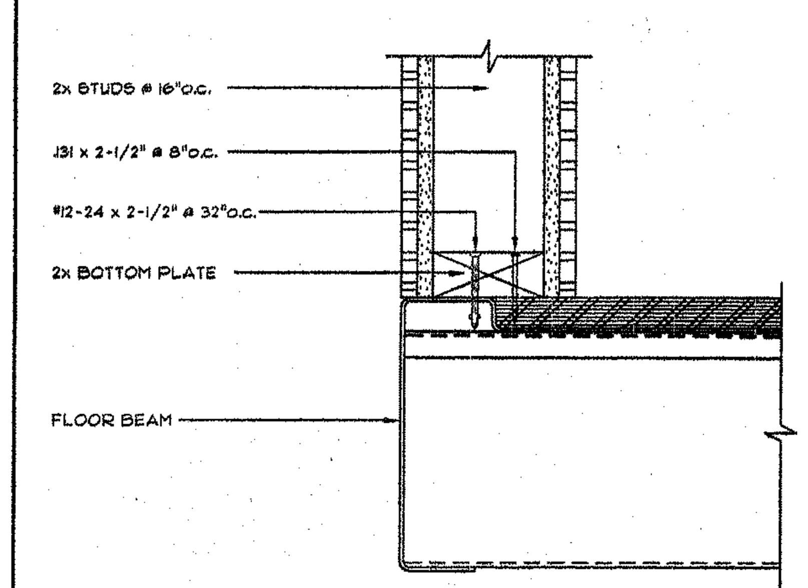
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

4 PERPENDICULAR WALL CONNECTION
SCALE: 3"=1'-0"



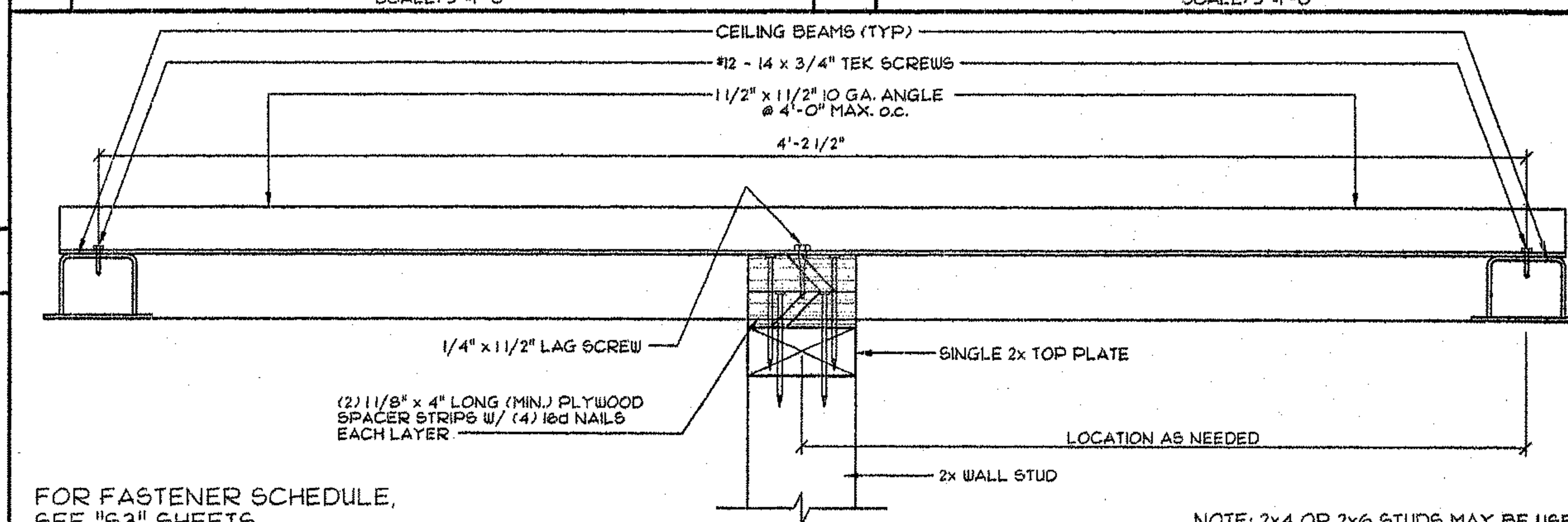
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

2 INT. TOP PLATE TO ROOF BEAM
SCALE: 3"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

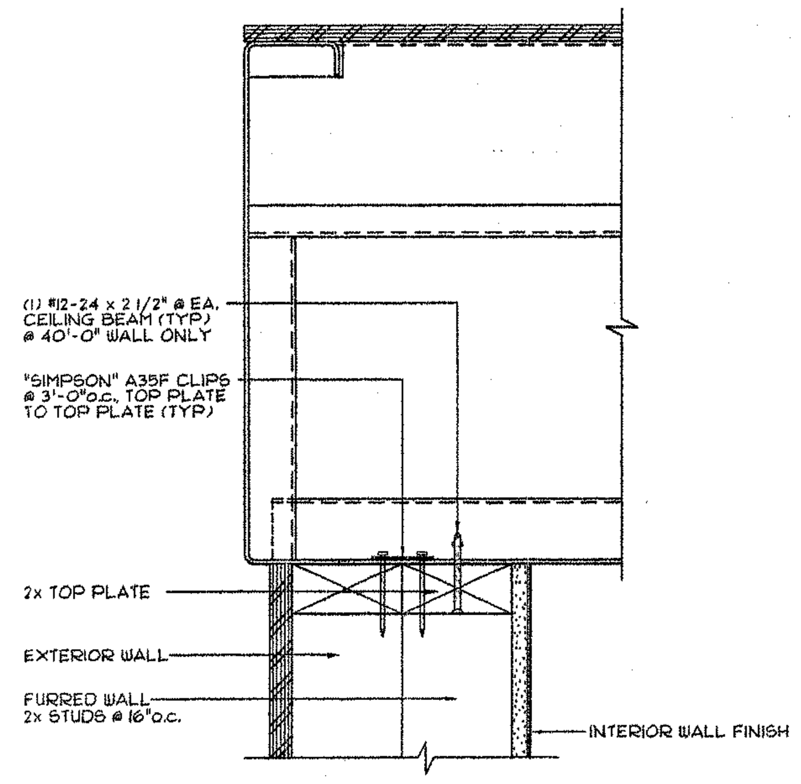
3 INT. BOTTOM PLATE TO FLOOR BEAM
SCALE: 3"=1'-0"



FOR FASTENER SCHEDULE,
SEE "S3" SHEETS

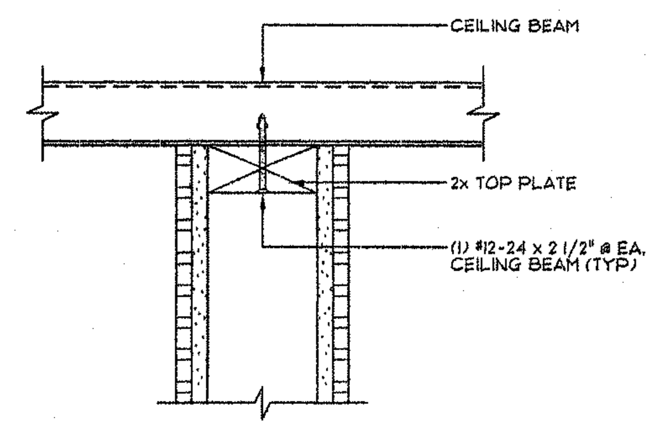
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

5 TOP PLATE ATTACHMENT BETWEEN CEILING BEAMS
SCALE: 3"=1'-0"



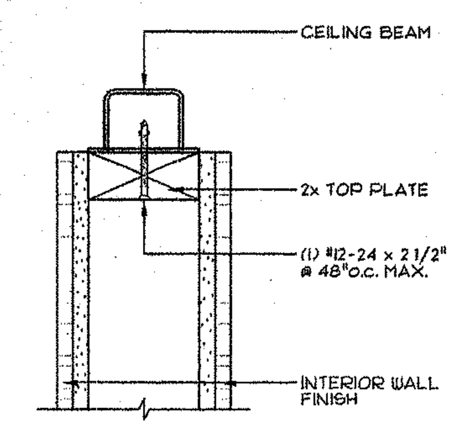
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

6 FURRED WALL - TOP PLATE CONNECTION
SCALE: 3"=1'-0"



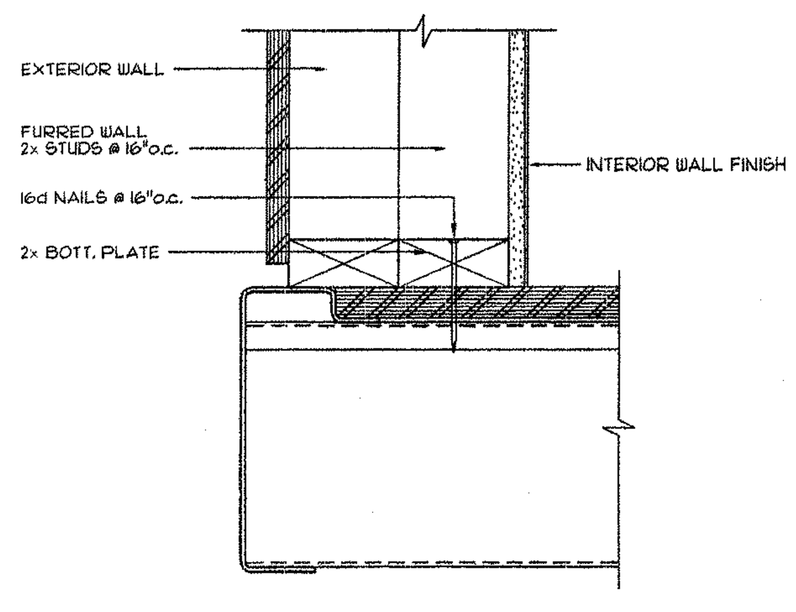
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

7 TOP PLATE TO CEILING BEAM
SCALE: 3"=1'-0"



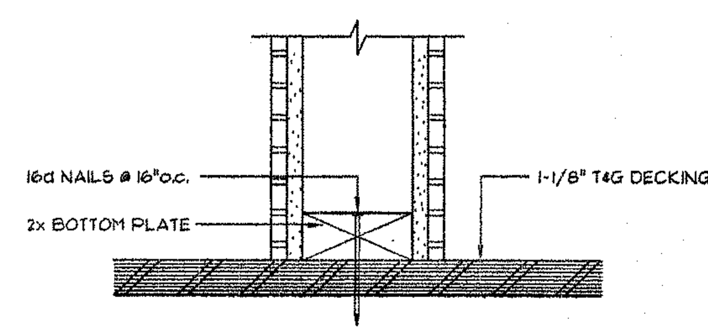
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

8 TOP PLATE TO CEILING BEAM
SCALE: 3"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

9 FURRED WALL - BOTTOM PLATE CONNECTION
SCALE: 3"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

10 BOTTOM PLATE TO FLOOR
SCALE: 3"=1'-0"

DIVISION OF THE STATE ARCHITECT

PC
2001 C.B.C.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
AC ___ FLS ___ SS ___
DATE 5/29/03

02 107401
AC ___ FLS ___ SS ___
DATE 7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1166

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

INTERIOR WALL CONNECTION DETAILS

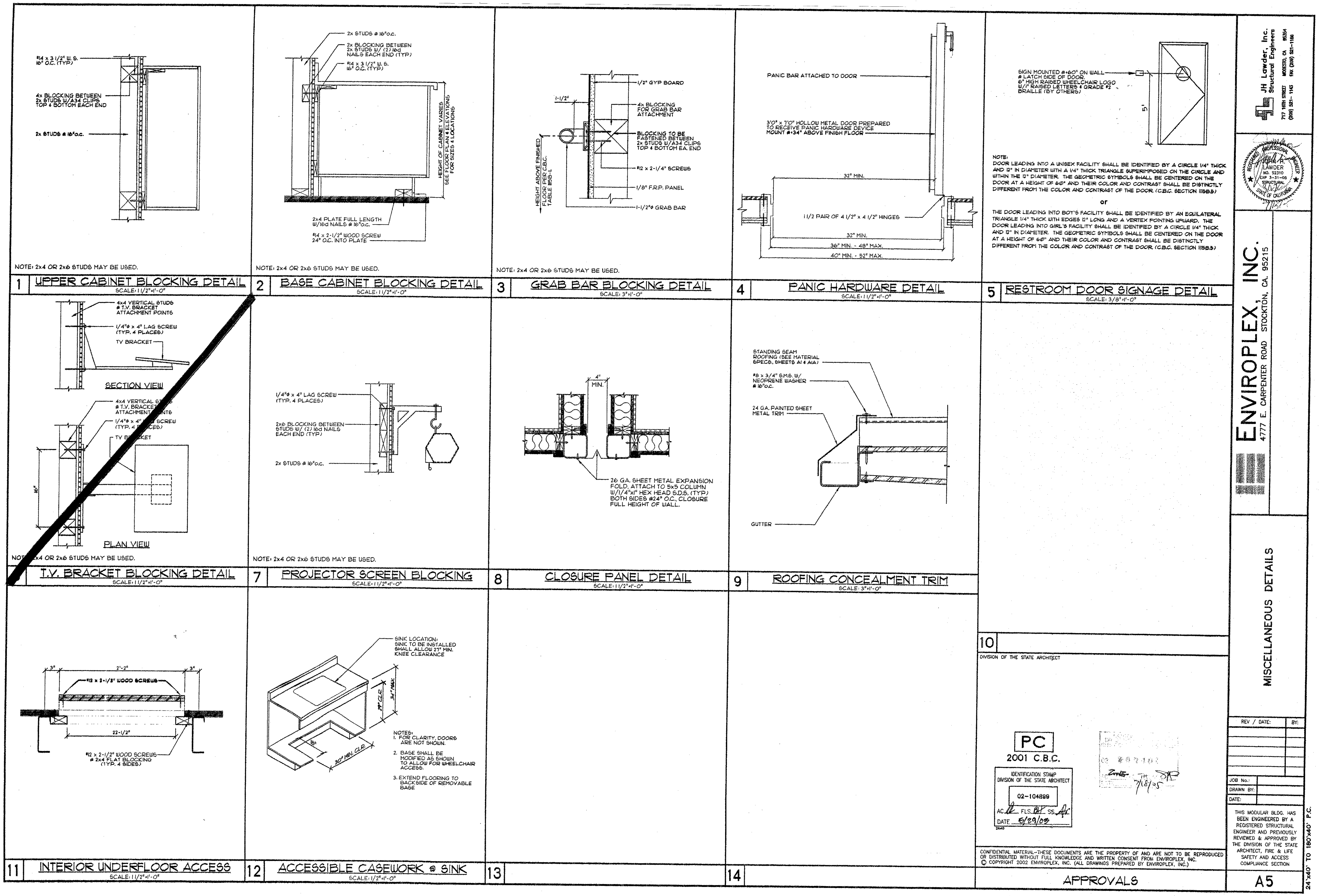
REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

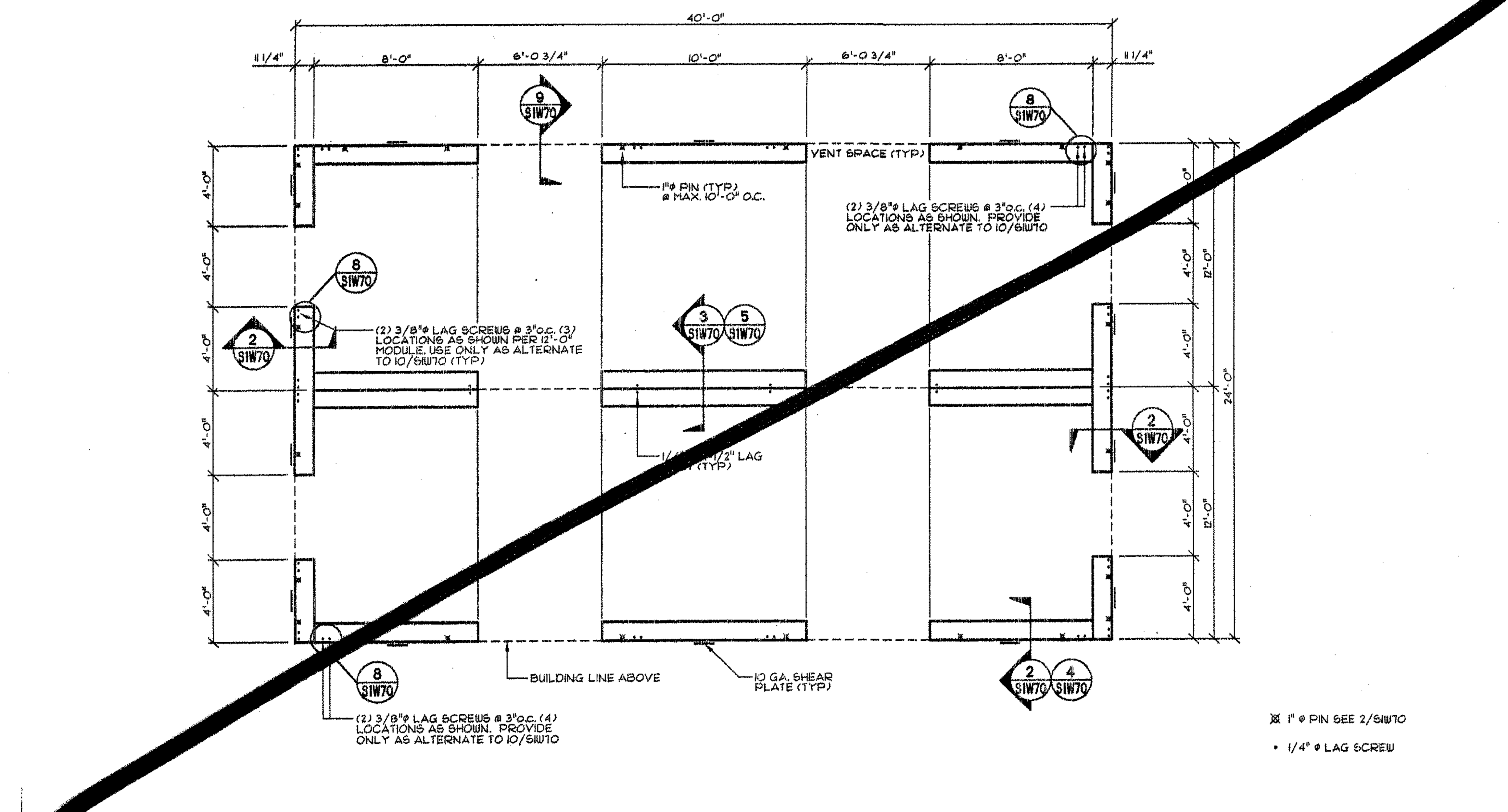
THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

A4H

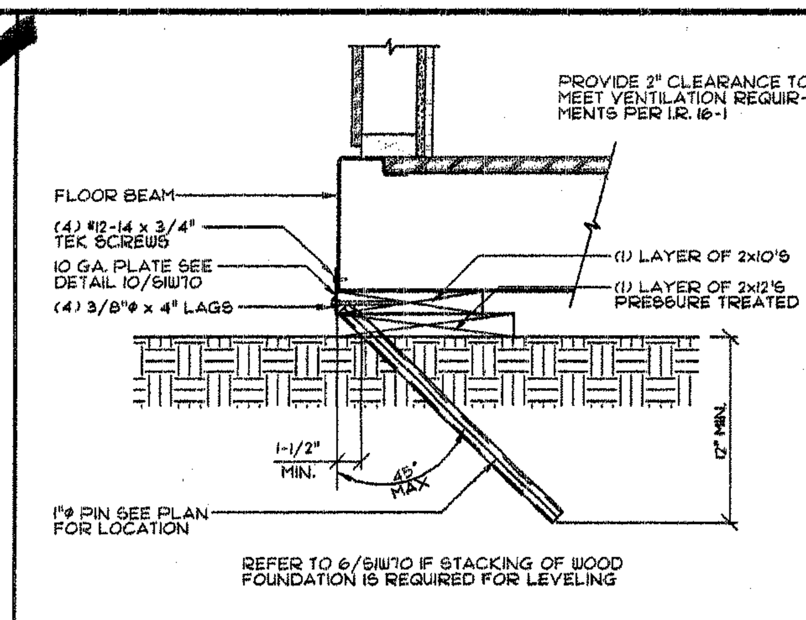
24'x40' TO 180'x40' P.C.



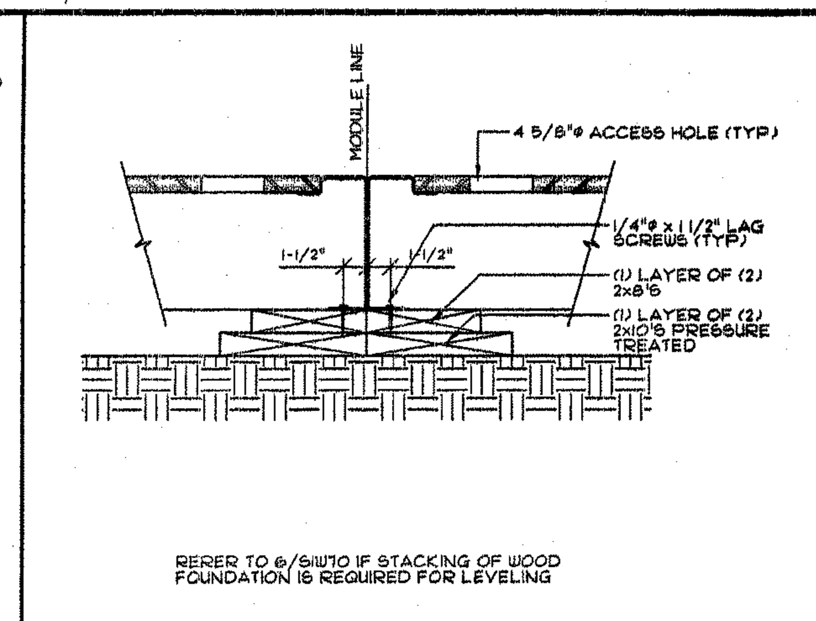
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



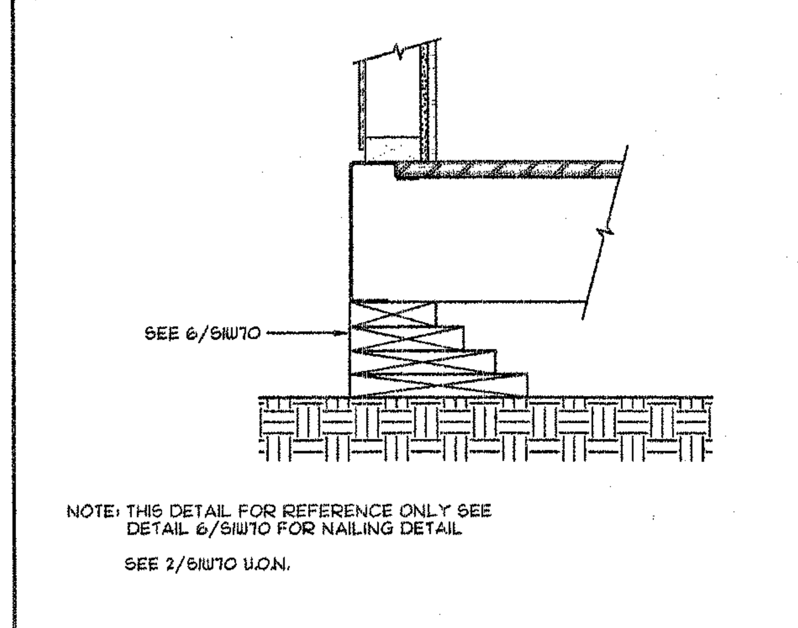
1 24' x 40' "70 P.S.F." WOOD FOUNDATION PLAN
SCALE: 1/4"=1'-0"



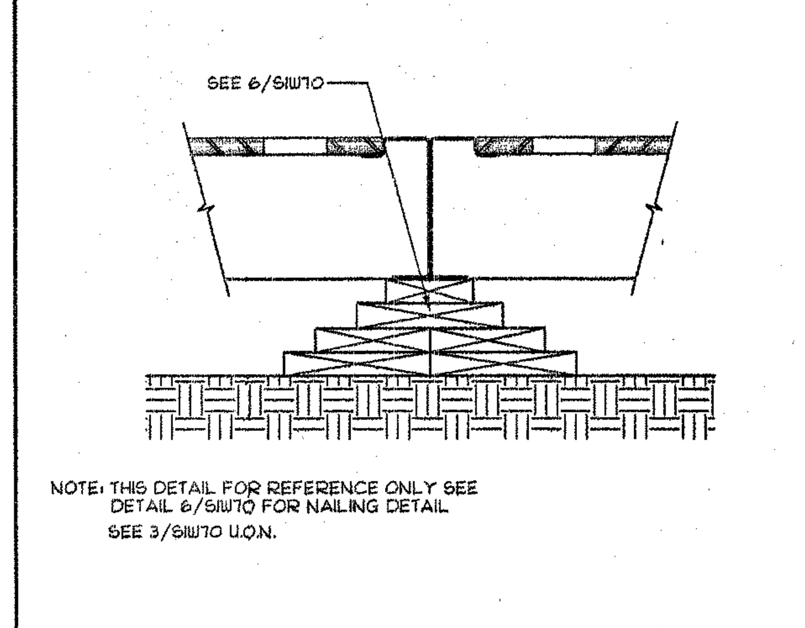
2 PERIMETER PIER DETAIL
SCALE: 1 1/2"=1'-0"



3 INTERIOR PIER DETAIL
SCALE: 1 1/2"=1'-0"



4 PERIMETER PIER STACKING DETAIL
SCALE: 1 1/2"=1'-0"

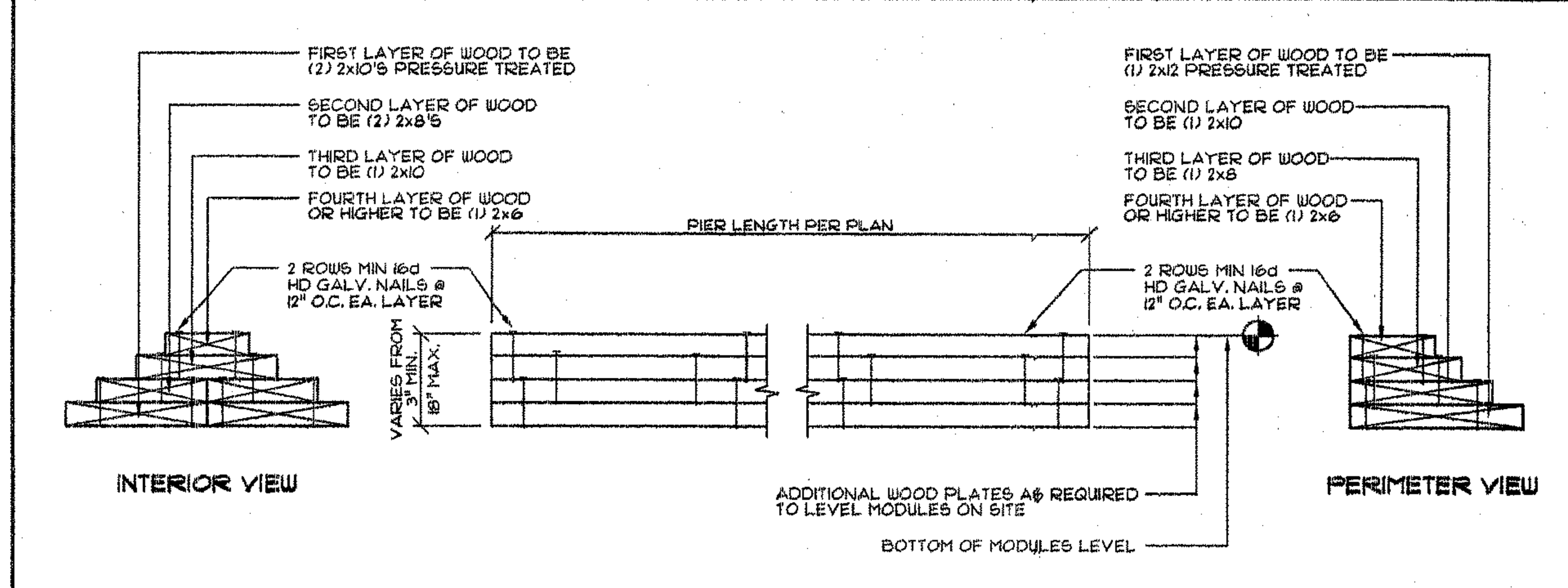


5 INTERIOR PIER STACKING DETAIL
SCALE: 1 1/2"=1'-0"

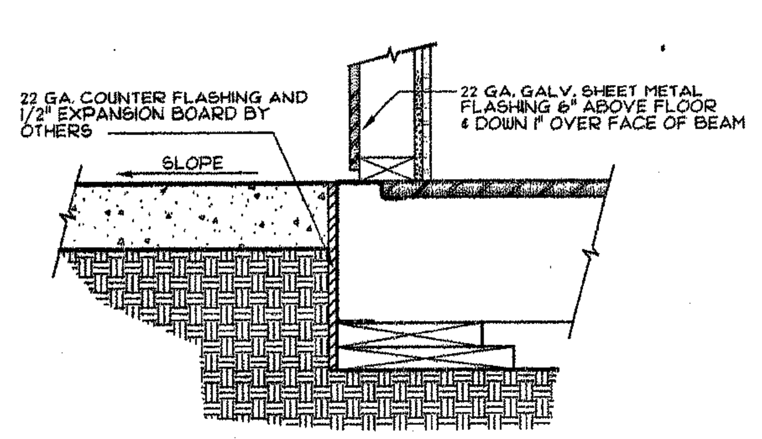
WOOD NOTES

1. BOTTOM LAYER OF PIERS SHALL BE PRESSURE TREATED HEM FIR NO. 3 OR BETTER. FOUNDATION GRADE WOOD IN CONTACT WITH SOIL SHALL BE PRESERVATIVE TREATED AND SHALL BE STAMPED "FOR GROUND CONTACT". PRESERVATIVE TREATED MATERIAL SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING, "THE MATERIAL IN THIS UNIT WAS TREATED PER CALIFORNIA BUILDING CODE, SECTION 2303A.3". EACH PIECE PRESSURE TREATED MATERIAL SHALL BE STAMPED WITH THE APPROPRIATE STAMP.
2. ALL NAILS SHALL BE CORROSIVE RESISTANT NAILS IN ACCORD. WITH SECTION 2318A3.4 C.B.C. HDG W/MIN. 1.00z / SQ. FT. ZINC. LAG SCREWS SHALL BE STAINLESS STEEL OR CAD-PLATED.
3. SHIM PIERS AS REQUIRED WITH APA RATED PLYWOOD MADE WITH EXTERIOR GLUE. SHIMS SHALL BE CONTINUOUS ACROSS LENGTH OF PIERS AS FIELD CONDITIONS ALLOW. PLYWOOD SHIMS SHALL NOT BE IN DIRECT CONTACT WITH THE SOIL.
4. SOIL BEARING PRESSURE IS ASSUMED AT 1,000 P.S.F.
5. FOUNDATION SHOWN ON (2) LAYERS OF WOOD. ANY ADDITIONAL LAYERS OF WOOD ARE TO BE STACKED AS PER STACKING DETAILS 4, 5, & 6 ON THIS SHEET.
6. VENTILATION TO MEET REQUIRMENTS PER IR 16-1. PROVIDE 1 SQ. FT. OF VENTILATION FOR EACH 150 SQ. FT. OF UNDERFLOOR AREA (PROVIDE 2" MIN. CLR.)

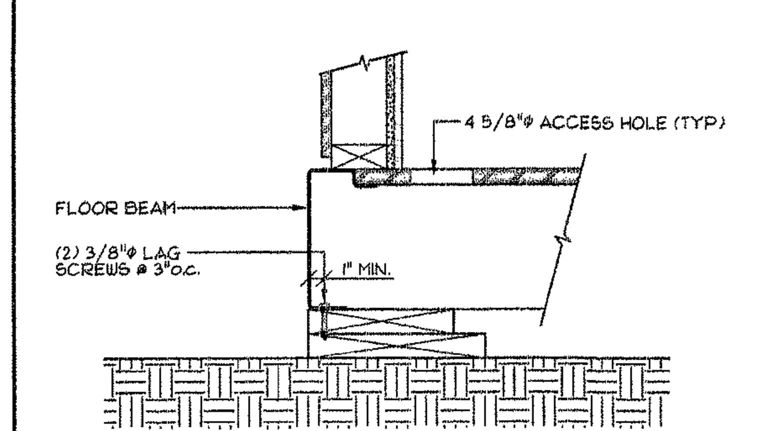
7. WOOD PLATES TO HAVE A MIN. SPECIFIC GRAVITY OF 0.50.



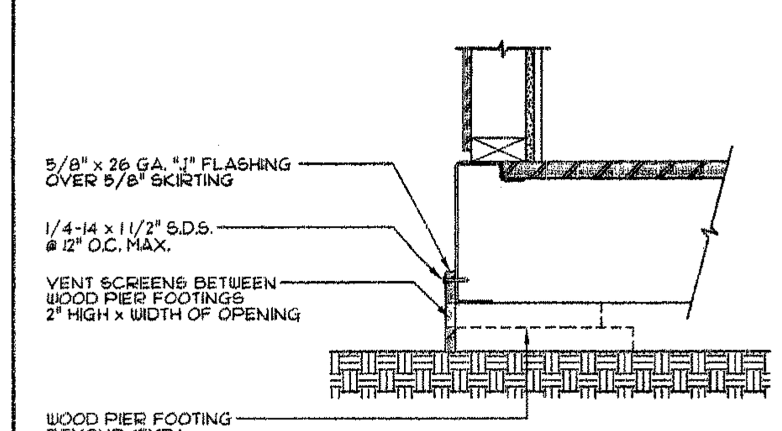
6 INTER-NAILING OF WOOD PIERS
SCALE: 1 1/2"=1'-0"



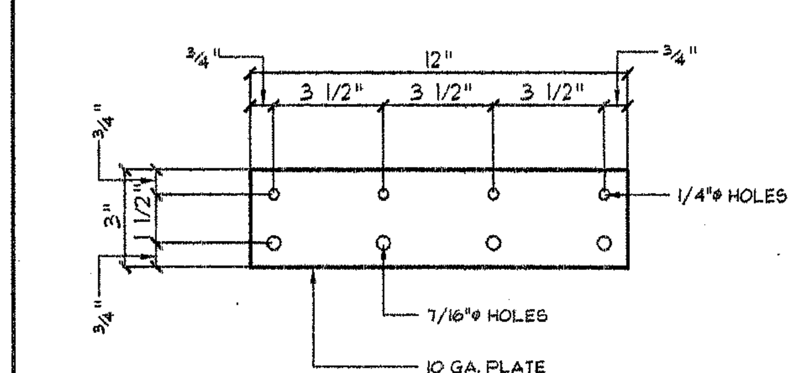
7 PERIMETER FLASHING DETAIL
SCALE: 1 1/2"=1'-0"



8 ALTERNATE PERIMETER DETAIL
SCALE: 1 1/2"=1'-0"



9 PERIMETER SKIRTING DETAIL
SCALE: 1 1/2"=1'-0"



10 SHEAR PLATE DETAIL
SCALE: 3"=1'-0"

DIVISION OF THE STATE ARCHITECT

FOR USE:
1) 20psf ROOF LIVE LOAD W/ 70psf FLOOR LIVE LOAD.
2) 30psf ROOF LIVE LOAD W/ 50psf FLOOR LIVE LOAD.
3) STANDARD BI-PITCH ROOF AND STANDARD SHED ROOF ONLY.

PC
2001 C.B.C.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
AC ___ FLS ___ SS ___
DATE 8/29/02
24x40

7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1166

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

70 P.S.F. WOOD FOUNDATION PLAN, PIER DETAILS, NOTES

REV / DATE:	BY:

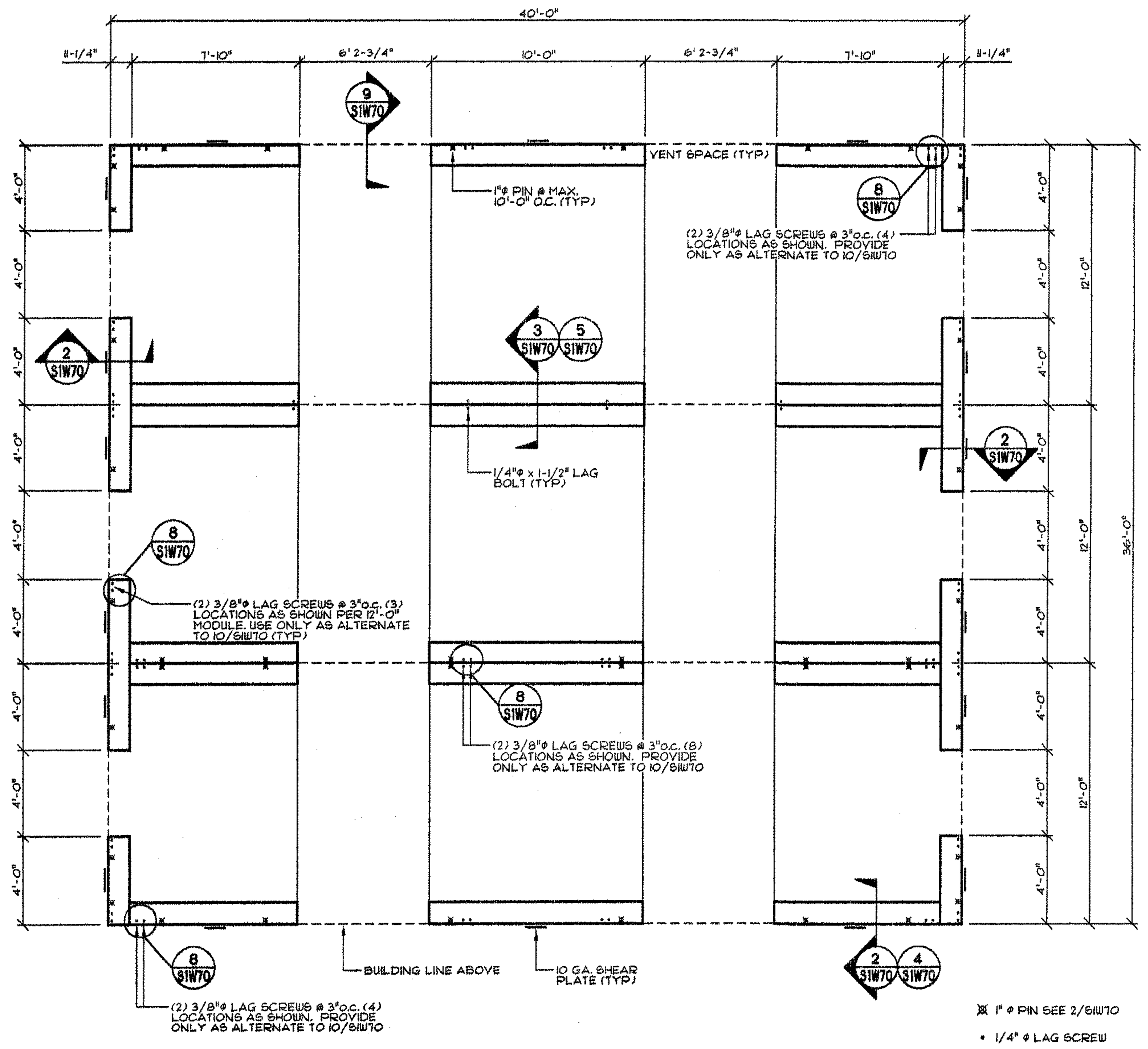
JOB No.:	
DRAWN BY:	
DATE:	

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

S1W70

24'x40' TO 180'x40' P.C.

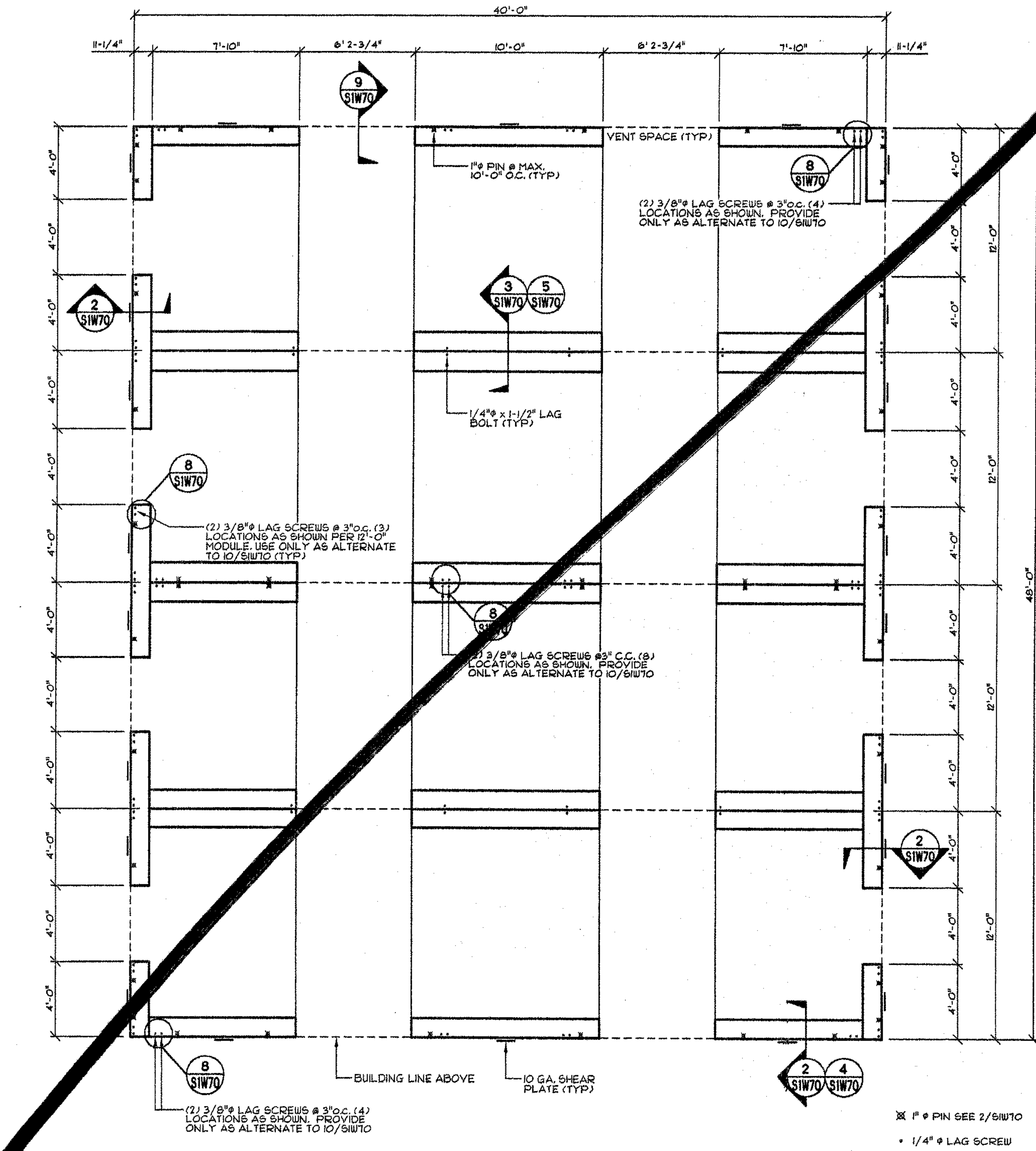
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



1

36' x 40' "70 P.S.F." WOOD FOUNDATION PLAN

SCALE: 1/4"=1'-0"



48' x 40' "70 P.S.F." WOOD FOUNDATION PLAN

SCALE: 1/4"=1'-0"

DIVISION OF THE STATE ARCHITECT

FOR USE:
1) 20psf ROOF LIVE LOAD W/ 70psf FLOOR LIVE LOAD.
1) 30psf ROOF LIVE LOAD W/ 50psf FLOOR LIVE LOAD.

PC
2001 C.B.C.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
DATE 6/29/03

7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16th STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1188

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

70 P.S.F. WOOD
FOUNDATION PLANS

REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

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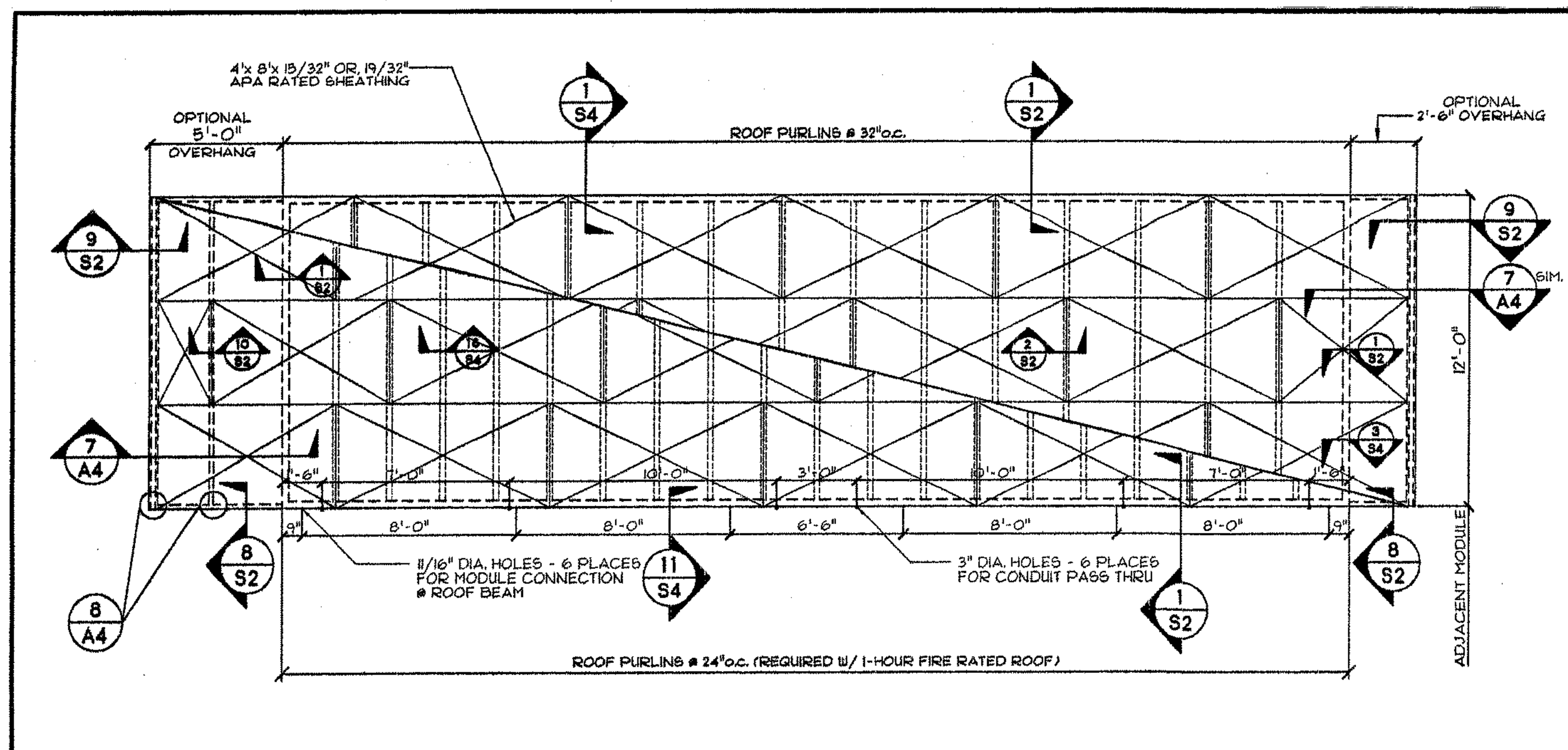
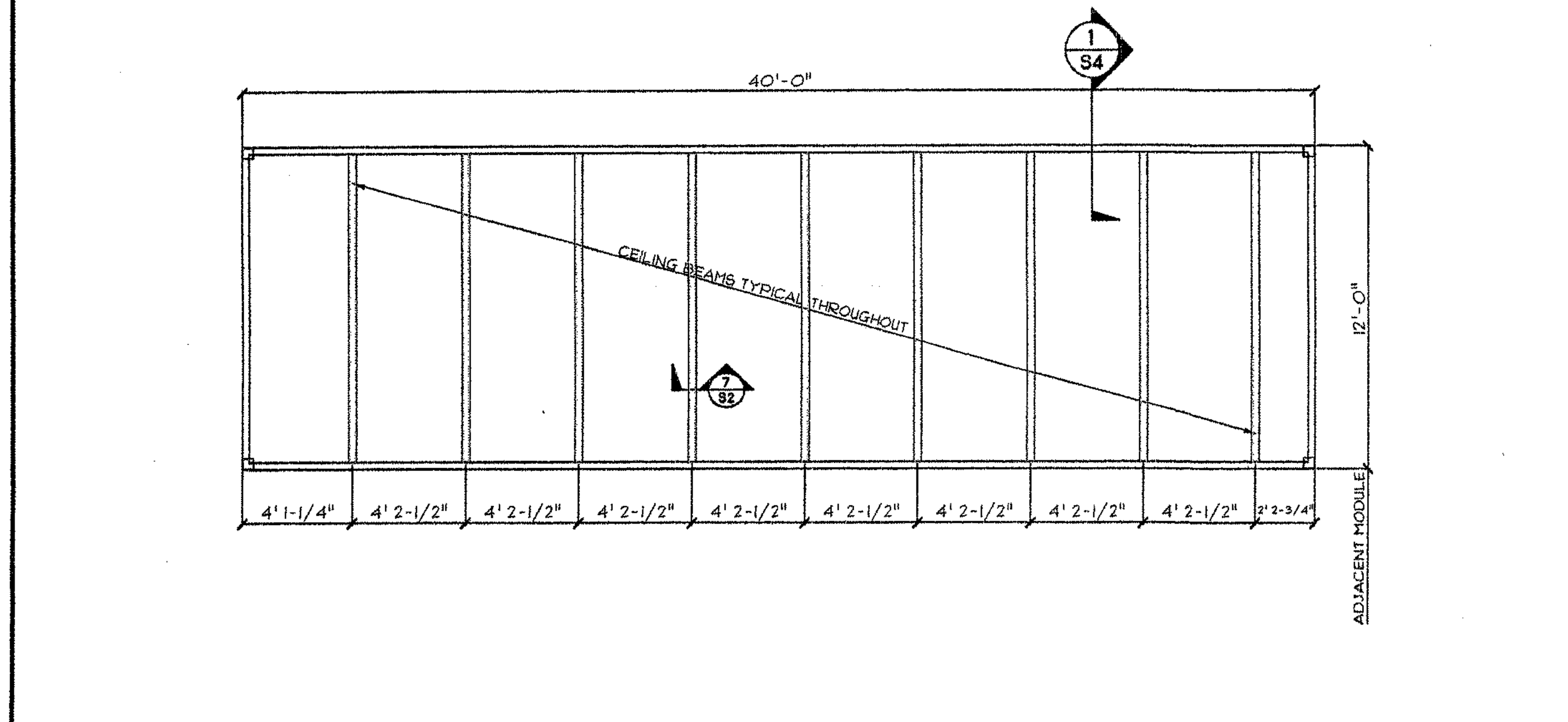
S1W70A

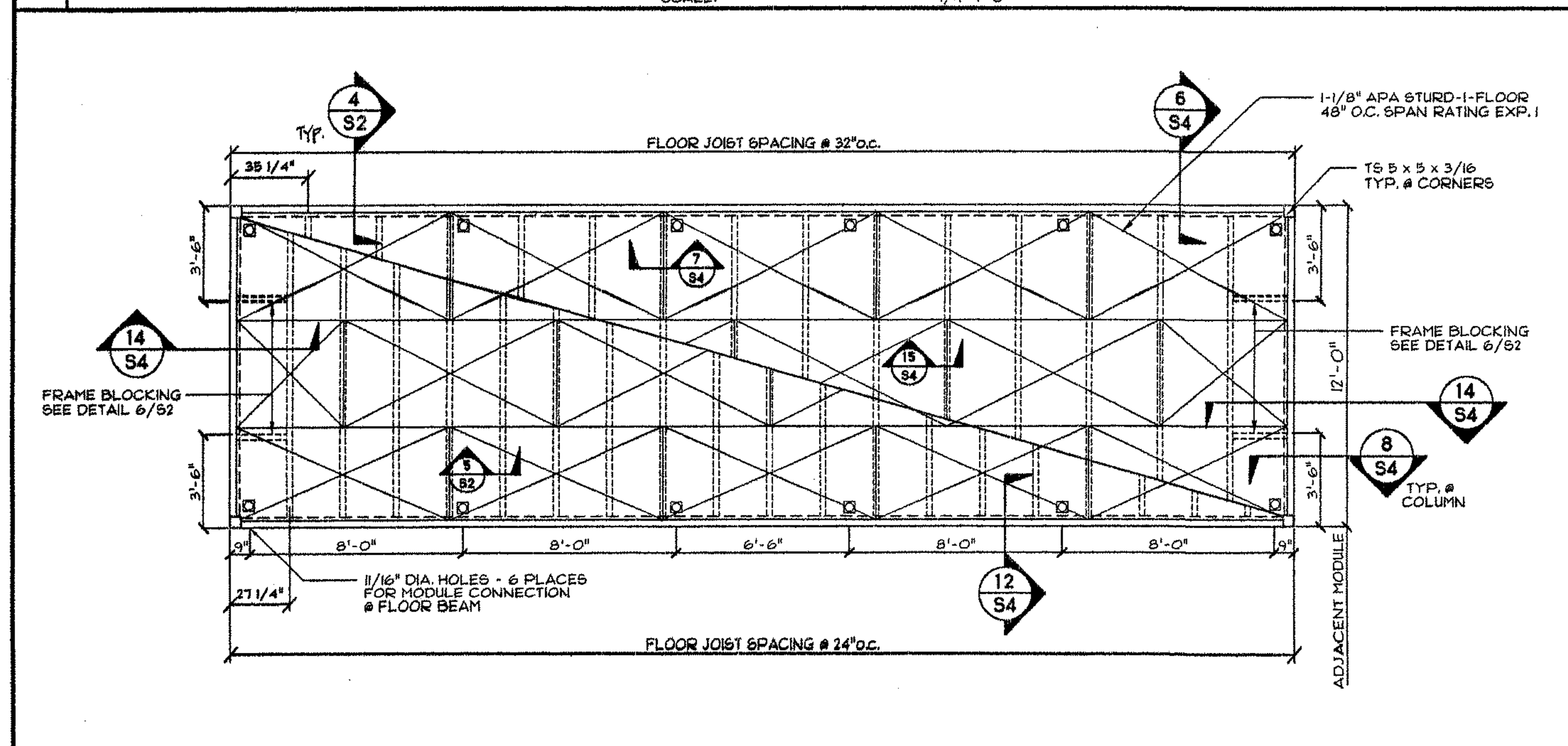
24'x40' TO 180'x40' P.C.



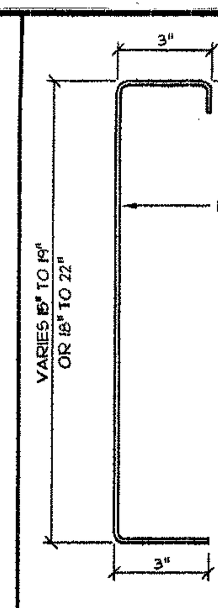
13 ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"



14 CEILING FRAMING PLAN
SCALE: 1/4"=1'-0"

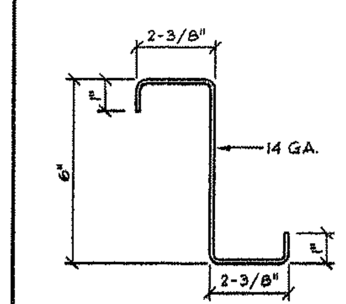


15 FLOOR FRAMING PLAN
SCALE: 1/4"=1'-0"



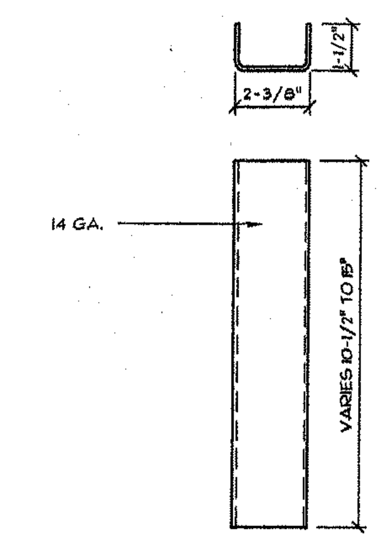
EFFECTIVE SECTION PROPERTIES				
	15"	19"	18"	22"
A	2.87 in^2	3.41 in^2	3.28 in^2	3.82 in^2
Ix min.	83.6 in^4	151 in^4	132 in^4	219 in^4
Sx min.	9.99 in^3	14.5 in^3	14.2 in^3	19.4 in^3

1 ROOF BEAM SECTION
SCALE: 3"=1'-0"

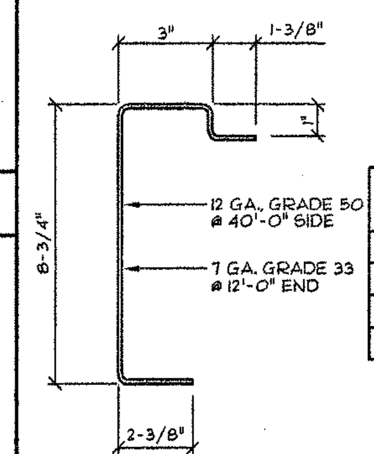


EFFECTIVE SECTION PROPERTIES	
A	.92 in^2
Ix min.	5.11 in^4
Sx min.	1.70 in^3

2 ROOF PURLIN SECTION
SCALE: 3"=1'-0"

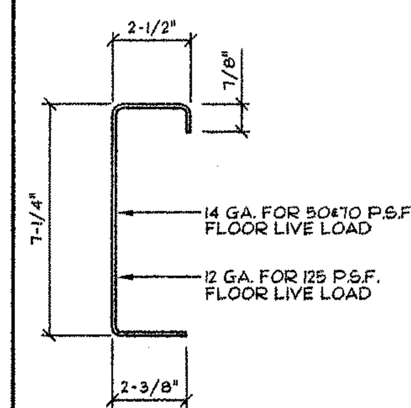


3 ROOF BEAM STIFFENER
SCALE: 3"=1'-0"



EFFECTIVE SECTION PROPERTIES		
A	1.52 in^2	2.55 in^2
Ix min.	16.5 in^4	27.0 in^4
Sx min.	3.47 in^3	5.89 in^3
GA.	12	7

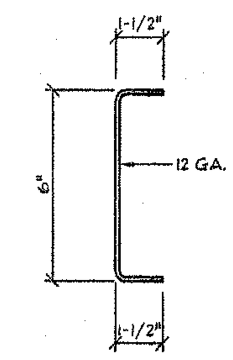
4 FLOOR BEAM SECTION
SCALE: 3"=1'-0"



EFFECTIVE SECTION PROPERTIES	
A	.93 in^2
Ix min.	7.19 in^4
Sx min.	1.87 in^3
GA.	14

EFFECTIVE SECTION PROPERTIES	
A	1.29 in^2
Ix min.	9.91 in^4
Sx min.	2.59 in^3
GA.	12

5 FLOOR JOIST SECTION
SCALE: 3"=1'-0"



EFFECTIVE SECTION PROPERTIES	
A	.89 in^2
Ix min.	4.12 in^4
Sx min.	1.34 in^3

6 FRAME BLOCKING SECTION
SCALE: 3"=1'-0"

1. ALL STRUCTURAL STEEL SHALL BE ASTM A570 GRADE 36. UNLESS OTHERWISE NOTED
2. STRUCTURAL STEEL TUBING SHALL BE ASTM A500 GRADE B Fy=46
3. HIGH STRENGTH BOLTS SHALL BE ASTM A325.
4. ALL MACHINE BOLTS SHALL BE ASTM A307.
5. WELDING SHALL BE DONE PER C.B.C. SECTION 2205A.10 & AWS D1.1 &D1.3.
6. WELDING INSPECTION TO BE PER C.B.C. SECTION 2231A.5
7. SEE TESTS AND INSPECTIONS REPORT SHEET A0 FOR REQUIREMENTS.
8. LIGHT GAGE METAL & FRAMING THICKNESSES

GAGE	DESIGN THICKNESS	MIN. DELIVERED THICKNESS
7 GA. STEEL	.1793"	.170"
10 GA. STEEL	.1345"	.128"
12 GA. STEEL	.1046"	.0994"
14 GA. STEEL	.0747"	.0710"

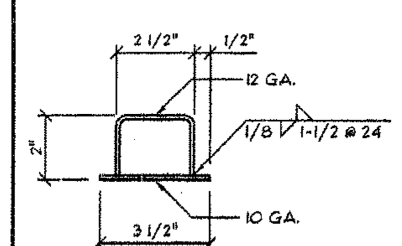
R = 3/16" MAX.
TYPICAL CORNER RADIUS

9. MINIMUM STEEL THICKNESS SHALL NOT BE LESS THAN 95% OF THE DESIGN THICKNESS
10. PER C.B.C. SECTION 2217A

STEEL SPECIFICATION

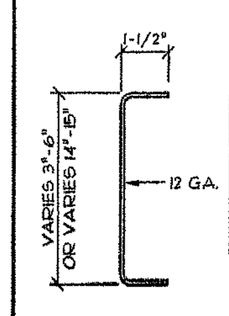
1. ALL STRUCTURAL PLYWOOD SHALL BE MANUFACTURED TO C.B.C. STANDARD 23-2 (BASED ON PRODUCT STANDARD PS1-95) AND INSPECTED AND GRADE MARKED AT THE MILL BY AN APPROVED QUALITY CONTROL AGENCY SUCH AS APA OR TECO.
2. ROOF SHEATHING SHALL BE 4'x 8'x 15/32" GRADE MARKED 32/16 SPAN INDEX, EXP. 1 OR 19/32" GRADE MARKED 40/20 SPAN INDEX, EXP.1.
3. FLOOR SHEATHING SHALL BE 4'x 8'x 1-1/8" T & G APA OR TECO RATED UNDERLAYMENT GRADE STURD-I-FLOOR OR EQUAL, SPAN RATING = 48".
4. WALL SHEATHING SHALL BE 3/8" HARDBOARD SIDING APA EXTERIOR TYPE 303 GROUP II M.D.O., EXTERIOR GROUP II, OR OPTIONAL 5/8" T1-11 APA EXTERIOR SIDING.
5. SEE FASTENER SCHEDULE, "S3" SHEETS.

SHEATHING / PLYWOOD SPECIFICATION



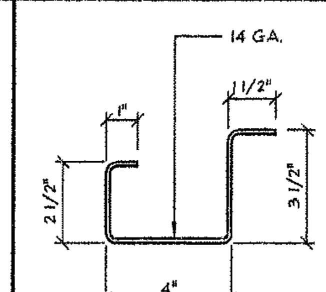
EFFECTIVE SECTION PROPERTIES	
A	1.11 in^2
Ix min.	.79 in^4
Iy min.	1.16 in^4
Sx min.	.63 in^3
Sy min.	.66 in^3

7 CEILING BEAM SECTION
SCALE: 3"=1'-0"



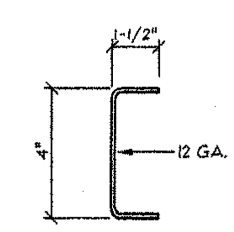
EFFECTIVE SECTION PROPERTIES				
	3"	6"	14"	15"
A	.57 in^2	.89 in^2	1.74 in^2	1.85 in^2
Ix min.	.78 in^4	4.12 in^4	37.1 in^4	44.6 in^4
Sx min.	.50 in^3	1.34 in^3	5.30 in^3	5.94 in^3

8 OVERHANG BEAM
SCALE: 3"=1'-0"



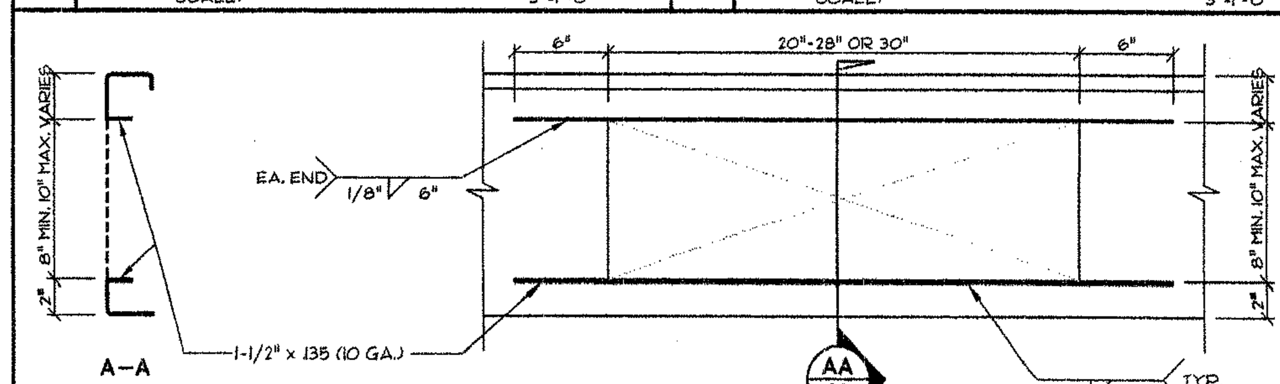
EFFECTIVE SECTION PROPERTIES	
A	.87 in^2
Ix min.	1.18 in^4
Sx min.	.69 in^3

9 GUTTER BEAM SECTION
SCALE: 3"=1'-0"



EFFECTIVE SECTION PROPERTIES	
A	.69 in^2
Ix min.	1.58 in^4
Sx min.	.79 in^3

10 INTERMEDIATE CHANNELS
SCALE: 3"=1'-0"



11 HVAC HOLE @ ROOF BEAM
SCALE: 1-1/2"=1'-0"

DIVISION OF THE STATE ARCHITECT

PC
2001 C.B.C.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
AC___ FLS___ SS ___
DATE 5/29/02
24x40

7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1166

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

BI-PITCH ROOF, CEILING, & FLOOR FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES

20 P.S.F. SNOW LOAD

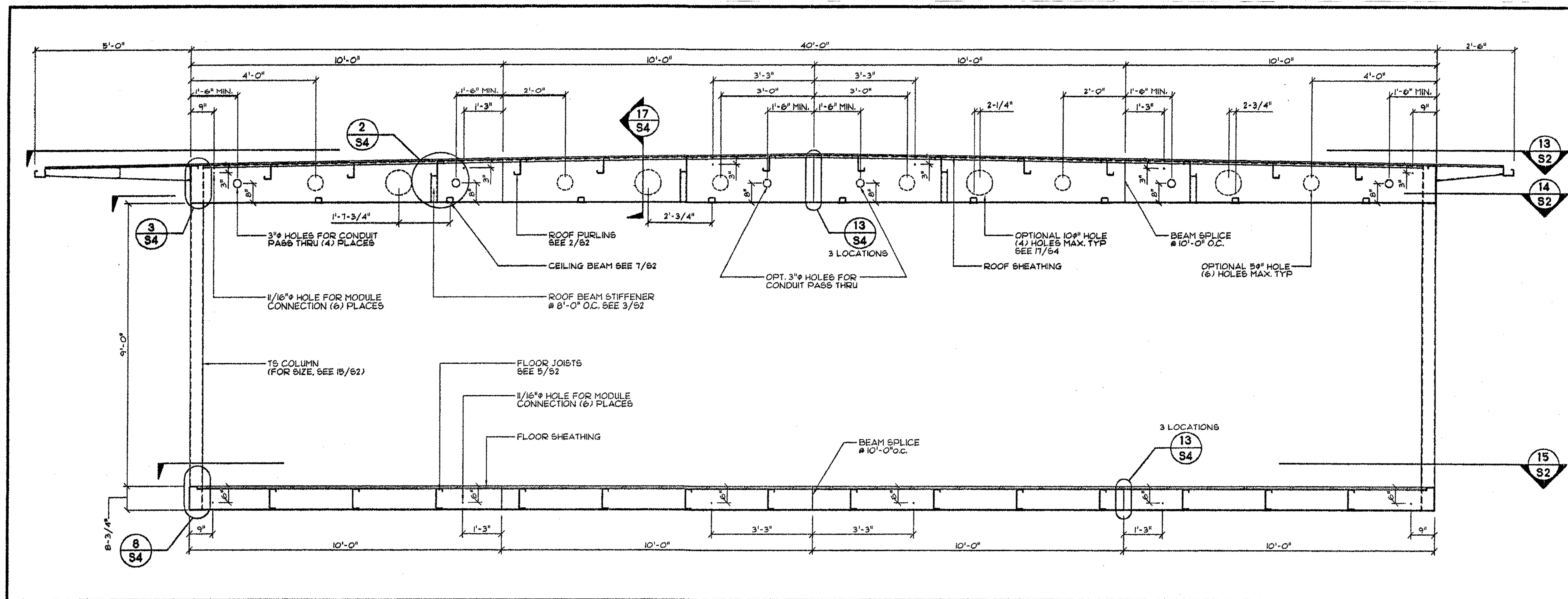
REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

S2

24'x40' TO 180'x40' P.C.



1 TYPICAL LONGITUDINAL FRAME SECTION - BI-PITCH ROOF

SCALE: 1/2"=1'-0"

WALL TO FRAME FASTENING

WALL PANEL TOP PLATE TO PERIMETER ROOF BEAM. --------- (1) 1/4"ø x 2" LAG SCREWS FROM ROOF BEAM BOTTOM FLANGE INTO TOP PLATE @ 15"o.c. MAX.

WALL PANEL BOTTOM PLATE TO PERIMETER FLOOR BEAM. --------- 1/4"-20 TEKS/4 SCREWS @ 32"o.c. FROM BOTT. PLATE INTO FLOOR BEAM TOP FLANGE

WALL PANEL SIDE STUDS TO TS CORNER COLUMNS --------- #12-24 x 2 1/2" S.D.S. @ 16"o.c. FROM SIDE STUD INTO STEEL CORNER COLUMN.

TOP AND BOTTOM PLATE TO STUDS AND KING STUDS --------- (2) .135 x 3 1/4" LONG MACHINE NAIL

DOUBLE STUDS, TRIMMERS, SILLS AND CRIPPLES FACE NAILED ----- (1) .135 x 3 1/4" LONG MACHINE NAILS @ 12"o.c.

CRIPPLES, TRIMMERS END NAILED TO PLATES AND SILLS. ---- (2) .135 x 3 1/4" LONG MACHINE NAIL EA. END

CRIPPLES, TRIMMERS NAILED TO HEADERS. --------------- (2) .135 x 3 1/4" LONG MACHINE NAIL

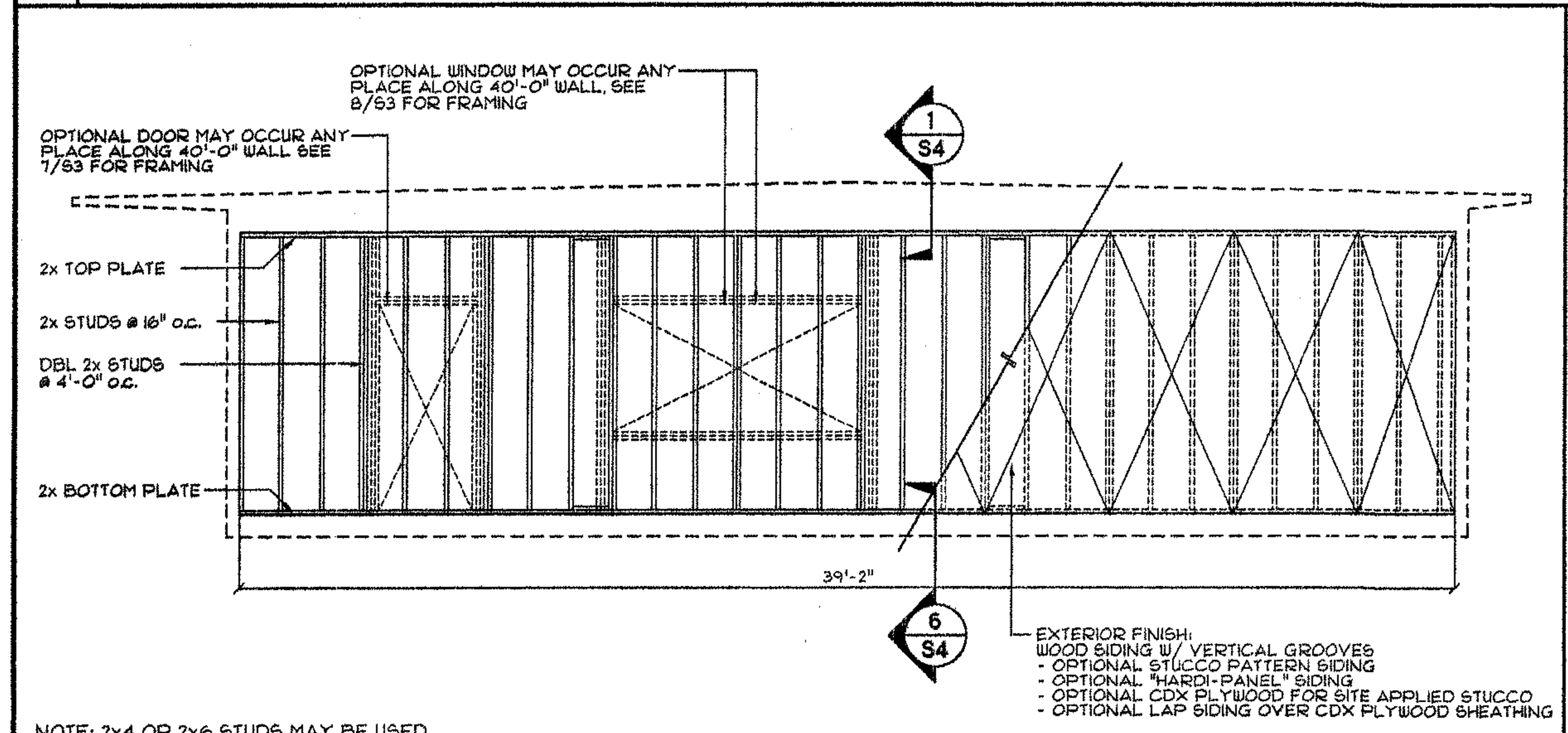
ALL HANGERS, STRAPS, CLIPS ETC. ------- TO BE NAILED AS PER MANUFACTURERS SPECIFICATIONS

SHEATHING / PLYWOOD NAILING & NOTES

1. DO NOT CRUSH PLYWOOD FACE PLY (OUTER VENEER LAYER) BY OVER DRIVING SCREWS, MACHINE OR HAND NAILS.
2. UNDER DRIVEN NAILS SHALL BE CORRECTED BY HAND SET.
3. REMOVE AND REPLACE NAILS DRIVEN THAT MISS FRAMING OR SUPPORT.
4. ALL CORRECTIVE NAILING SHALL BE DONE BY HAND NAILING.
5. H.D.G = HOT DIPPED GALVANIZED WITH MINIMUM COATING OF 1 OZ PER SQ. F.T OF ZINC. OR MECHANICALLY GALVANIZED PER ASTM. F-1667.

FLOOR		
1-1/8" APA RATED T&G STURDI-FLOOR TO BEAM & JOISTS	SHEET EDGES @ BEAM & JOIST	.144 x 1 3/4" PIN @ 6"o.c.
	FIELD @ JOIST	.144 x 1 3/4" PIN @ 10"o.c. (ICBO 4144)
ROOF		
15/32" APA RATED PLYWOOD TO PURLINS & BEAMS (OPT. 19/32" PLYWOOD ROOF)	SHEET EDGES @ BEAM & PURLIN	.144 x 1 1/4" PIN @ 6"o.c.
	FIELD @ PURLIN	.144 x 1 1/4" PIN @ 12"o.c. (ICBO 4144)
SIDING		
EXTERIOR SIDING TO 2x4 OR 2x6 STUDS	SHEET EDGES	.131" x 2 1/2" @ 6"o.c. H.D.G. OR MECHANICALLY GALV. NAILS
	FIELD	.131" x 2 1/2" @ 12"o.c. H.D.G. NAILS MECHANICALLY GALV. NAILS
GYPSUM WALLBOARD		
1/2" GYP. BOARD TO 2x4 OR 2x6 STUDS	SHEET EDGES	.121 x 1 1/2" COATED NAILS @ 8"o.c.
	FIELD	.121 x 1 1/2" COATED NAILS @ 8"o.c.
OVERHANG SOFFIT		
1/2" APA RATED SHEATHING	SHEET EDGES	#8 x 1" WOOD SCREW @ 6" O.C.
	FIELD	#8 x 1" WOOD SCREW @ 12" O.C.

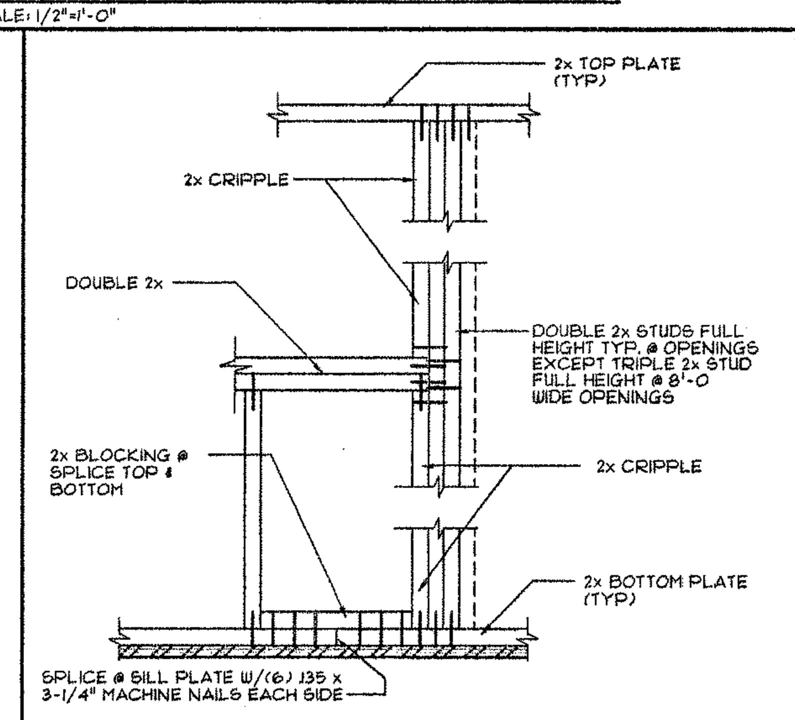
2 NAILING SCHEDULE



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

3 TYPICAL WALL FRAMING ELEVATION @ 40'-0" SIDE

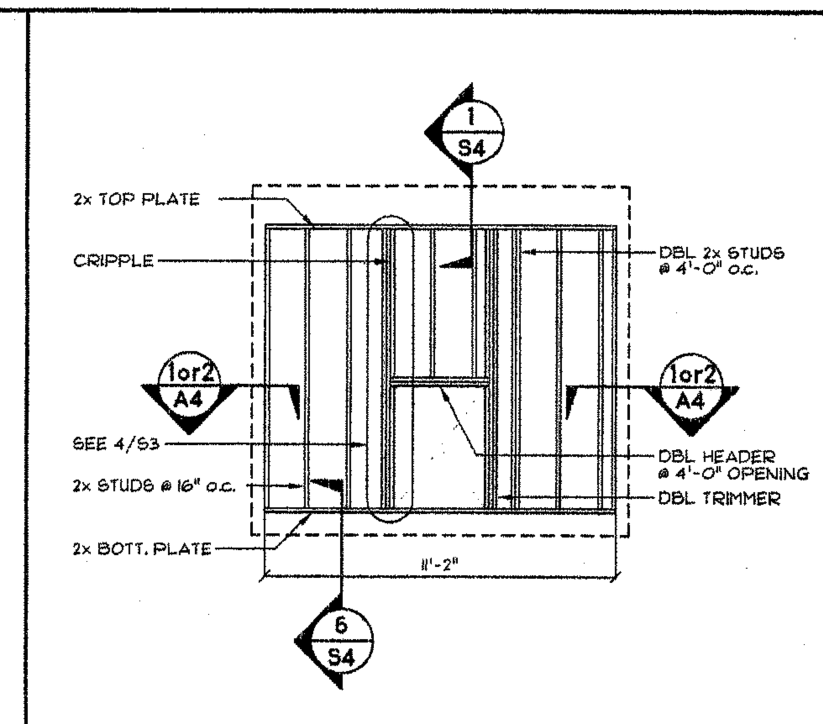
SCALE: 1/4"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED. SEE NAILING SCHEDULE, THIS SHEET

4 STUD NAILING DETAIL

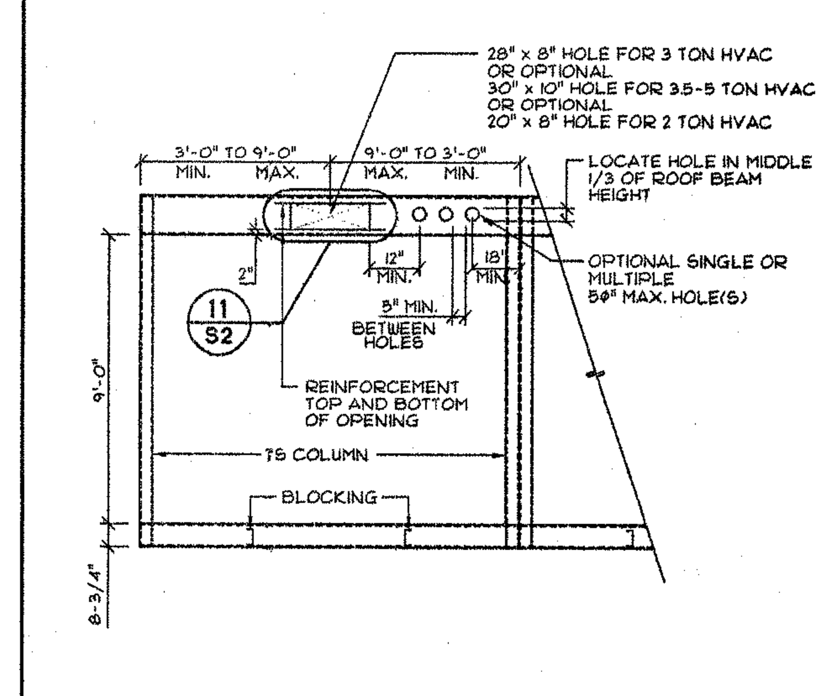
SCALE: 1"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

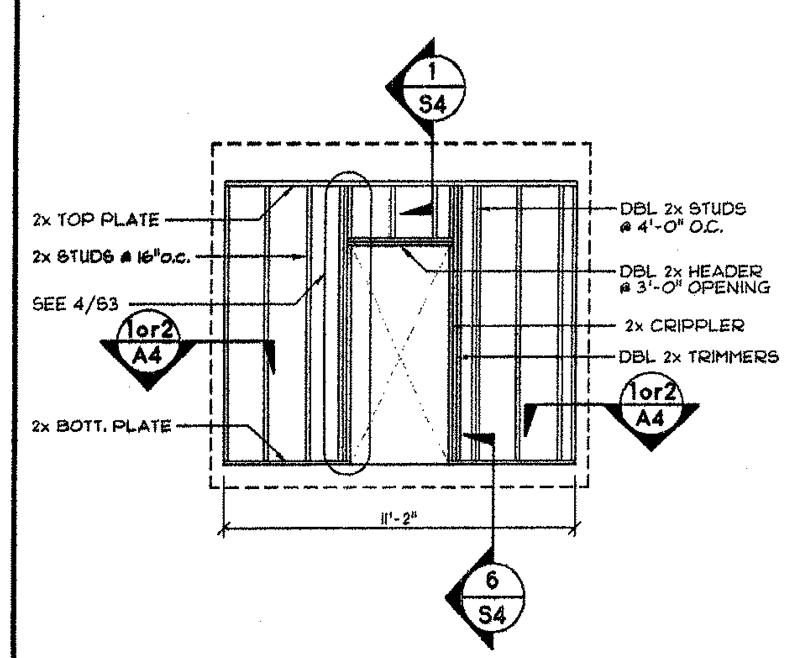
5 WALL FRAMING - INTERIOR HVAC

SCALE: 1/4"=1'-0"



6 END FRAME ELEVATION

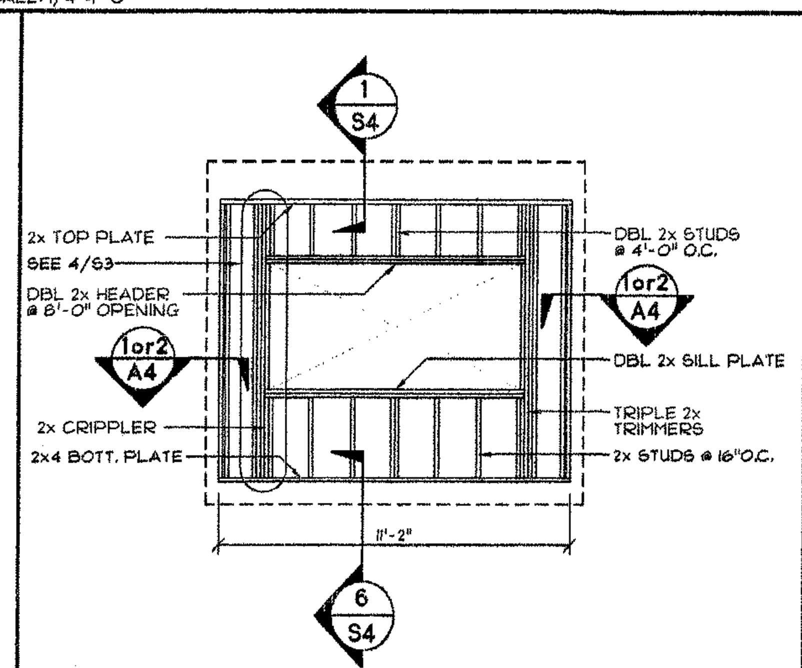
SCALE: 1/4"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

7 WALL FRAMING - EXTERIOR DOOR

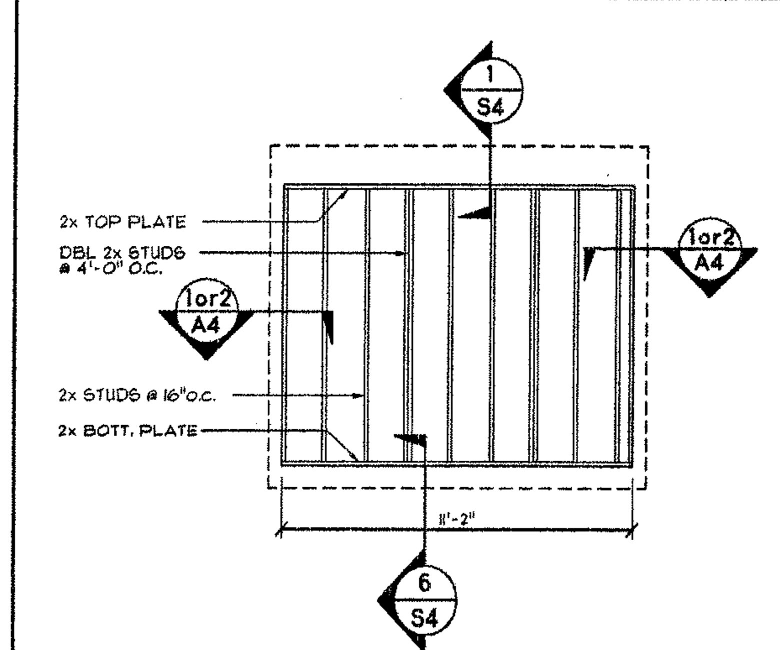
SCALE: 1/4"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

8 WALL FRAMING - EXTERIOR WINDOW

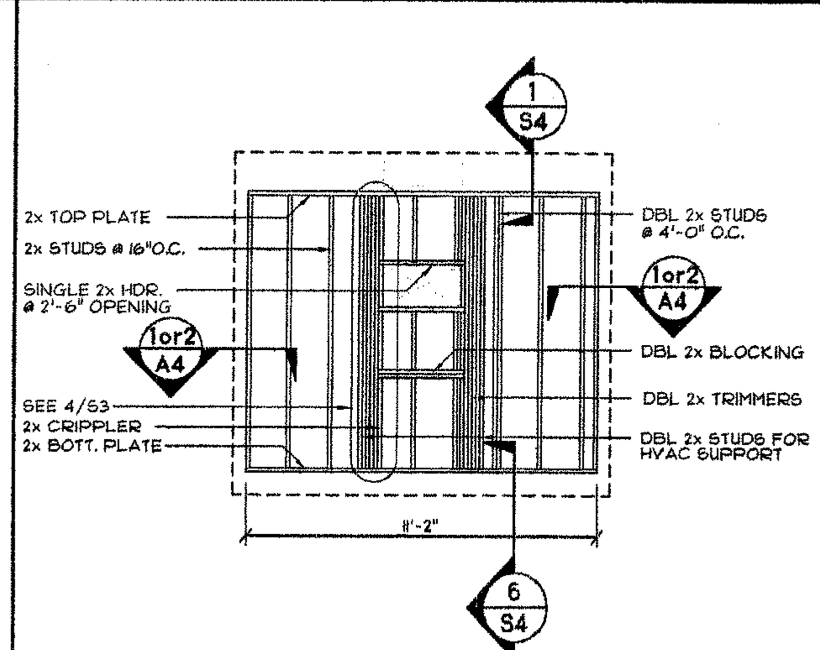
SCALE: 1/4"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

9 WALL FRAMING - TYP. 12'-0" WALL

SCALE: 1/4"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

10 WALL FRAMING - EXTERIOR HVAC

SCALE: 1/4"=1'-0"

DIVISION OF THE STATE ARCHITECT

PC

2001 C.B.C.

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT

02-104899

AC FLS SS

DATE 6/29/03

APPROVALS

JH Lawder, Inc. Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1195

REGISTERED PROFESSIONAL ENGINEER LAWDER NO. S2310 EXP 3-31-06 STRUCTURAL STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

BI-PITCHED ROOF LONGITUDINAL BUILDING SECTION, WALL FRAMING ELEVATIONS, END FRAME ELEVATION, NAIL SCHEDULE

20 P.S.F. SNOW LOAD

REV / DATE:	BY:

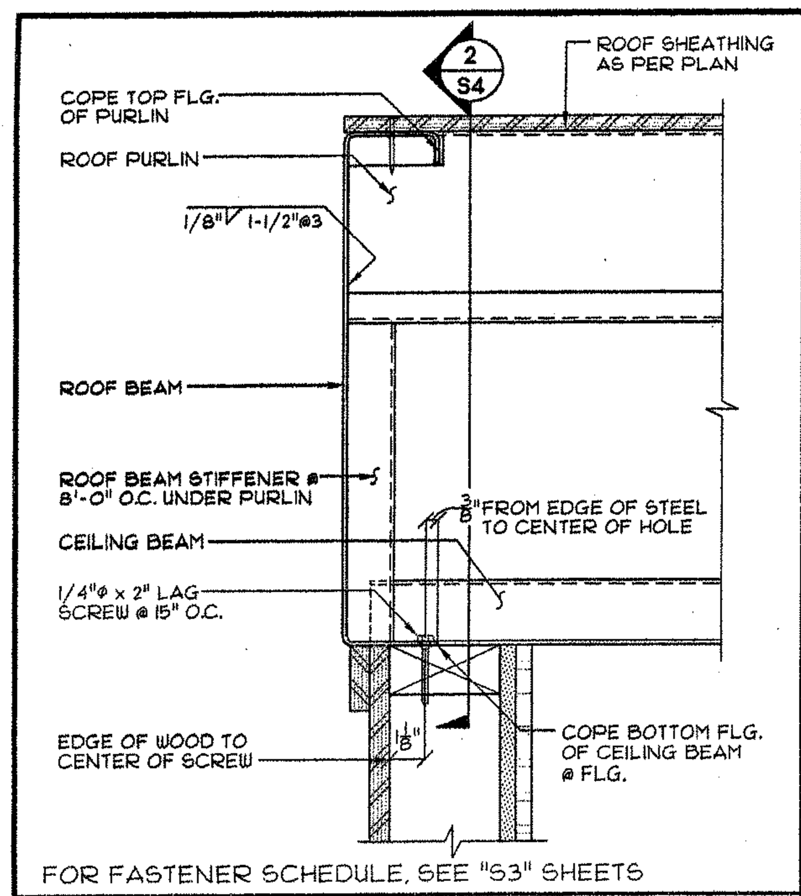
JOB No.:
DRAWN BY:
DATE:

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

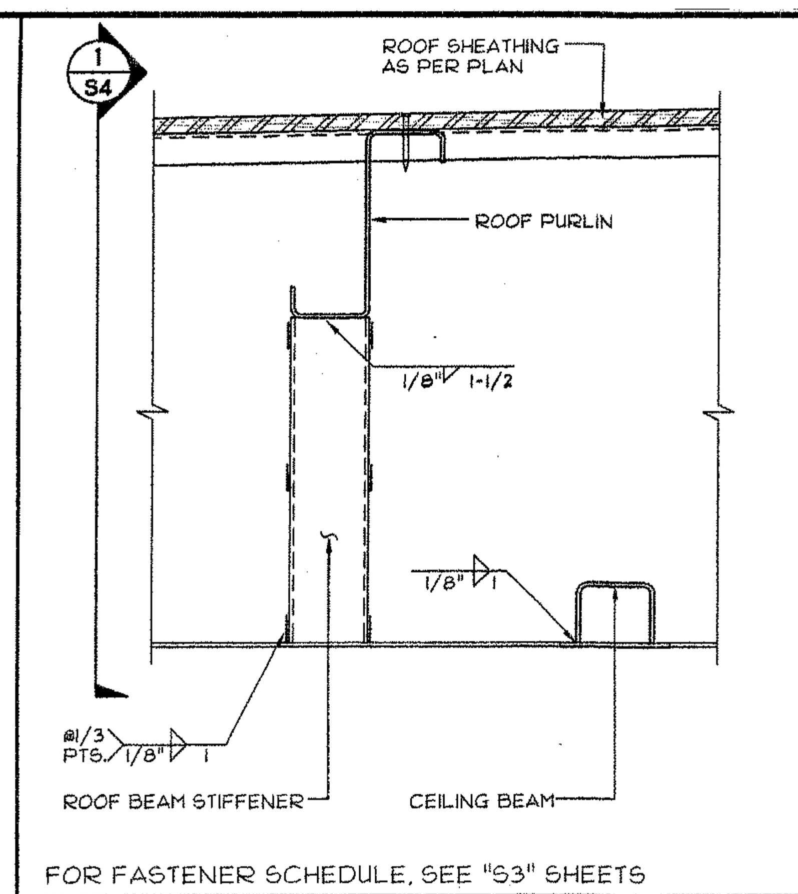
24'x40' TO 180'x40' P.C.

S3

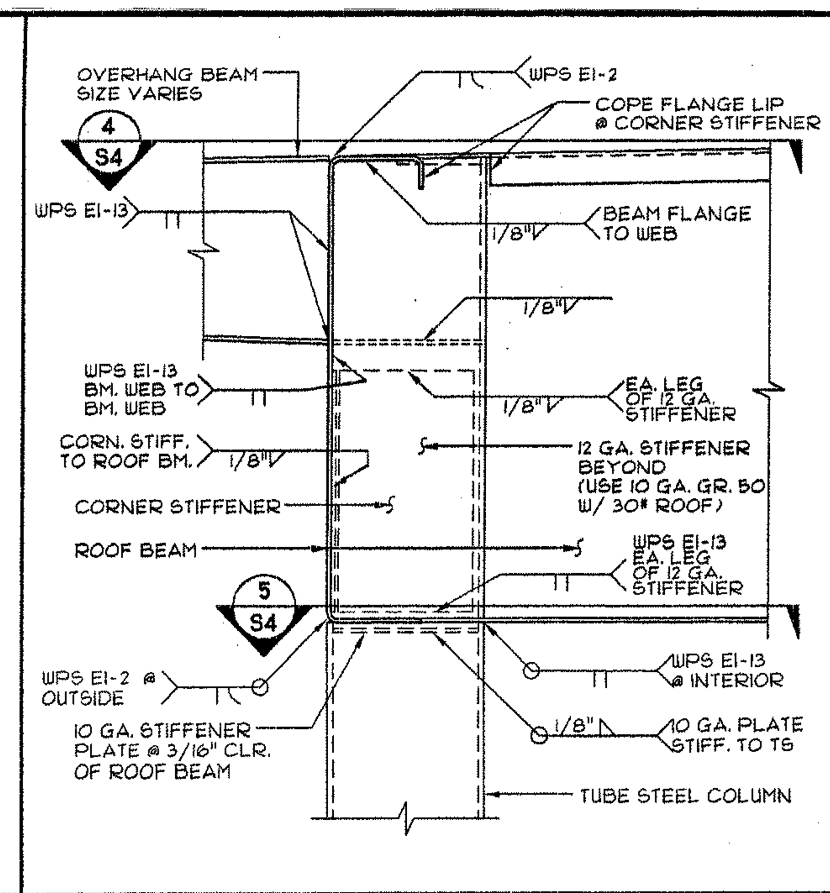
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



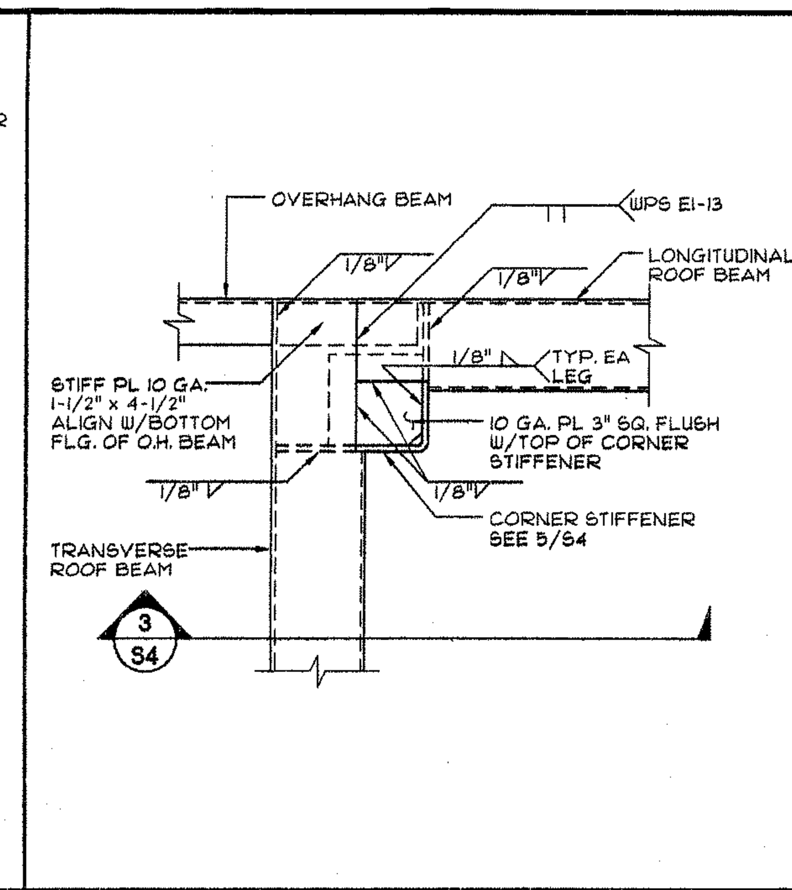
1 ROOF BEAM SECTION @ PURLIN
SCALE: 3"=1'-0"



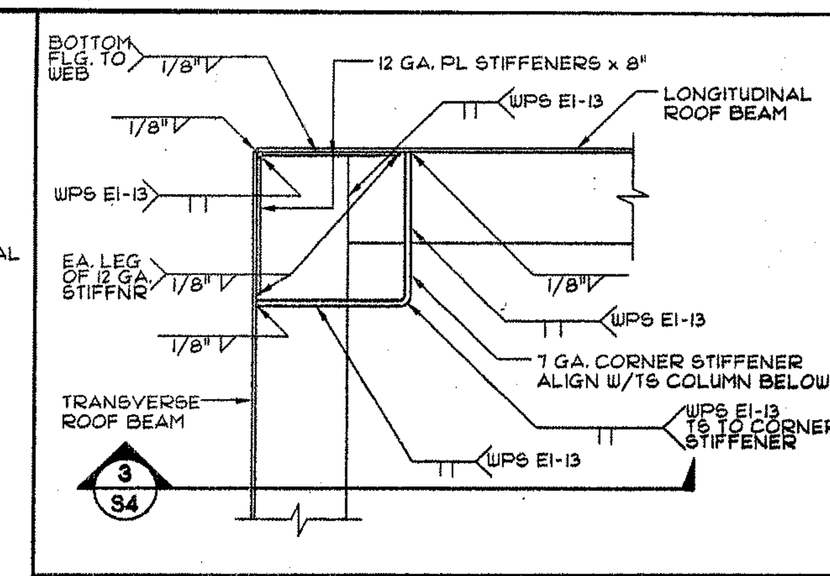
2 PURLIN TO STIFFENER AT BEAM
SCALE: 3"=1'-0"



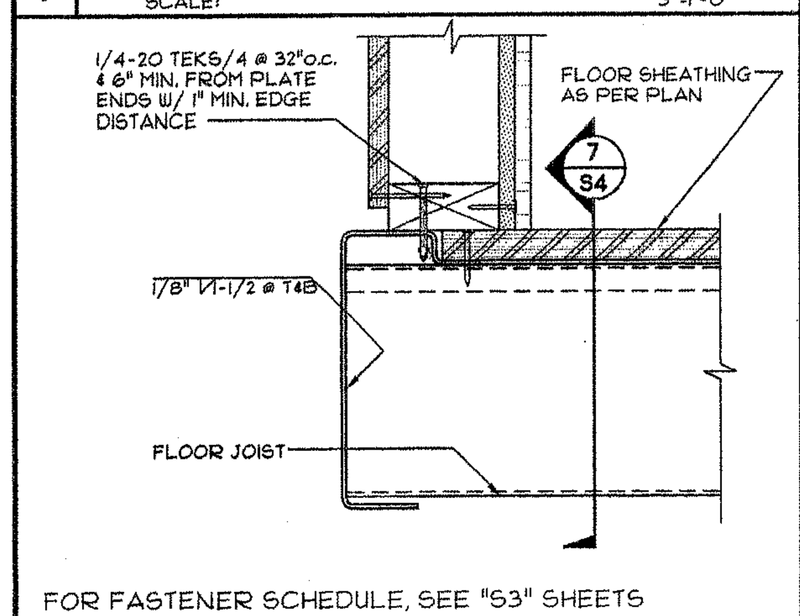
3 ROOF BEAM SECTION @ CORNER
SCALE: 3"=1'-0"



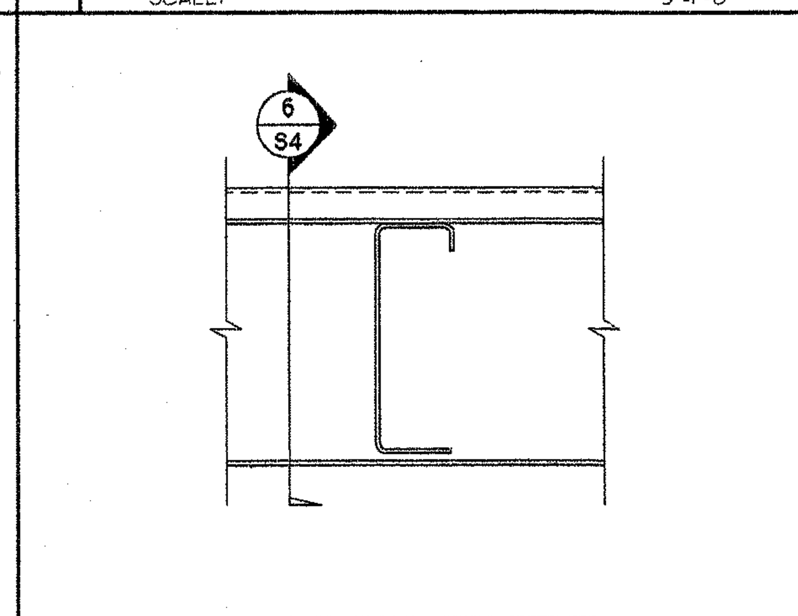
4 ROOF BEAM TOP FLANGE
SCALE: 3"=1'-0"



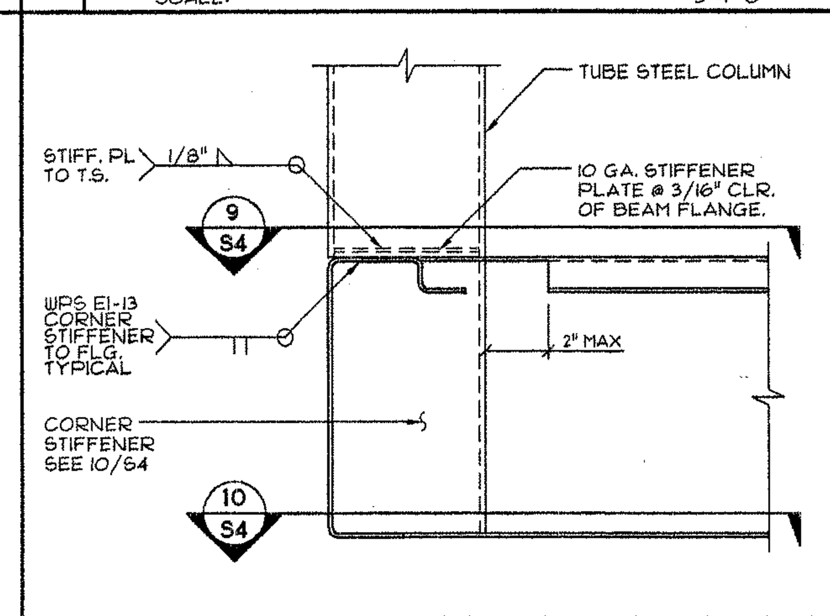
5 ROOF BEAM BOTTOM FLANGE
SCALE: 3"=1'-0"



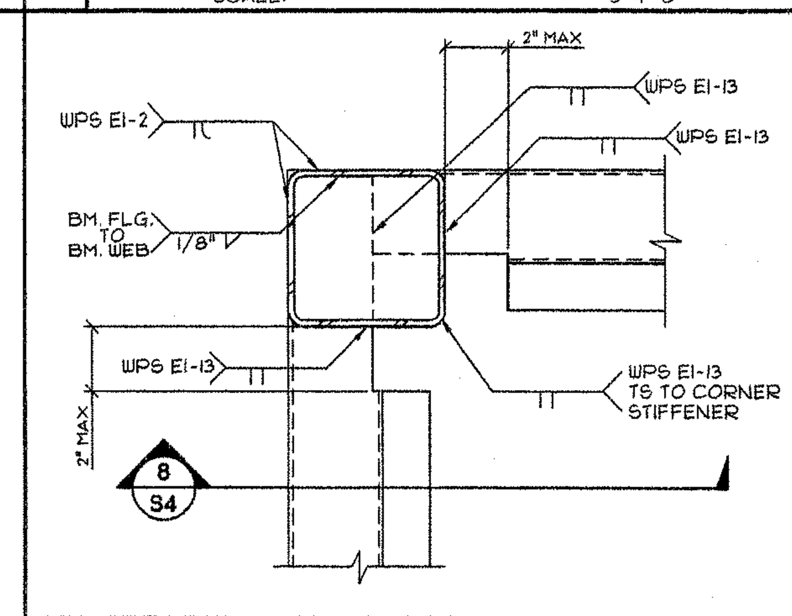
6 FLOOR BEAM @ JOIST CONNECTION
SCALE: 3"=1'-0"



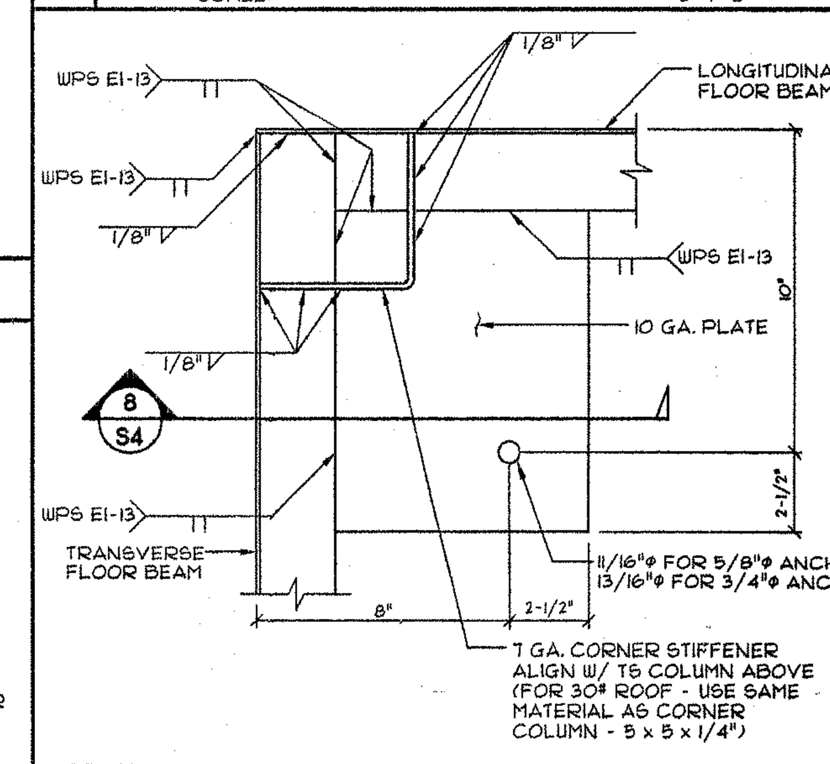
7 JOIST TO BEAM CONNECTION
SCALE: 3"=1'-0"



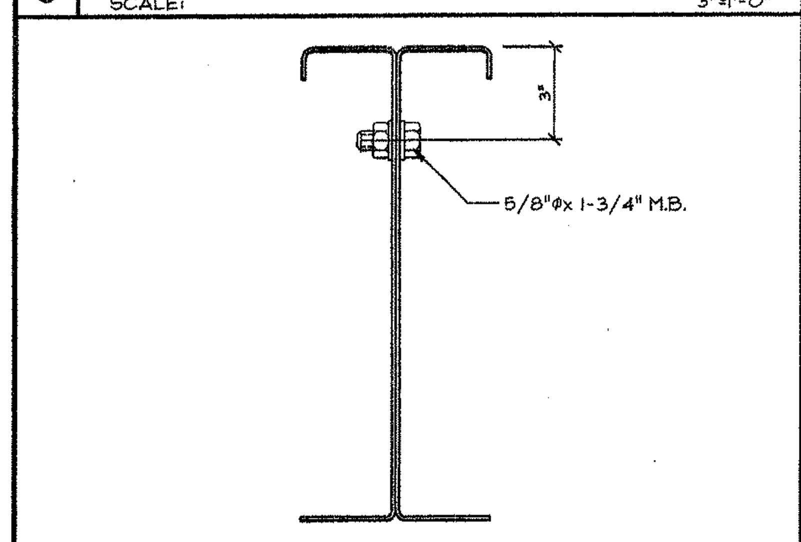
8 FLOOR BEAM SECTION @ CORNER
SCALE: 3"=1'-0"



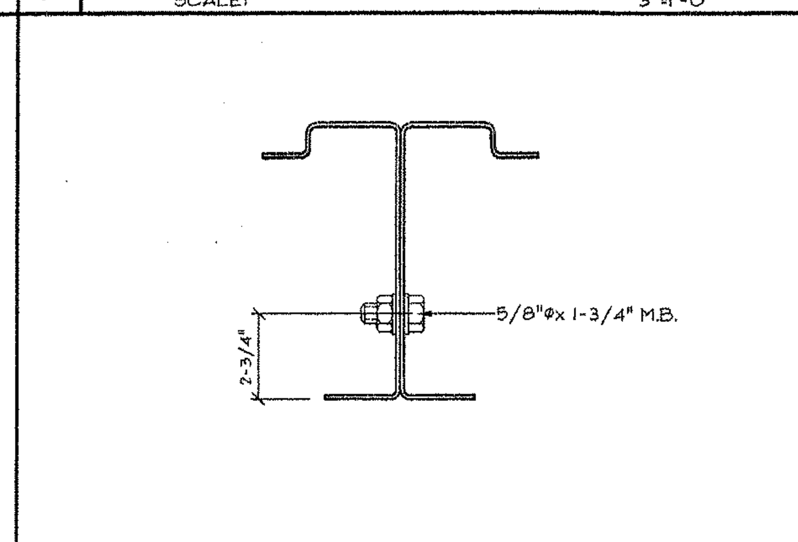
9 FLOOR BEAM TOP FLANGE
SCALE: 3"=1'-0"



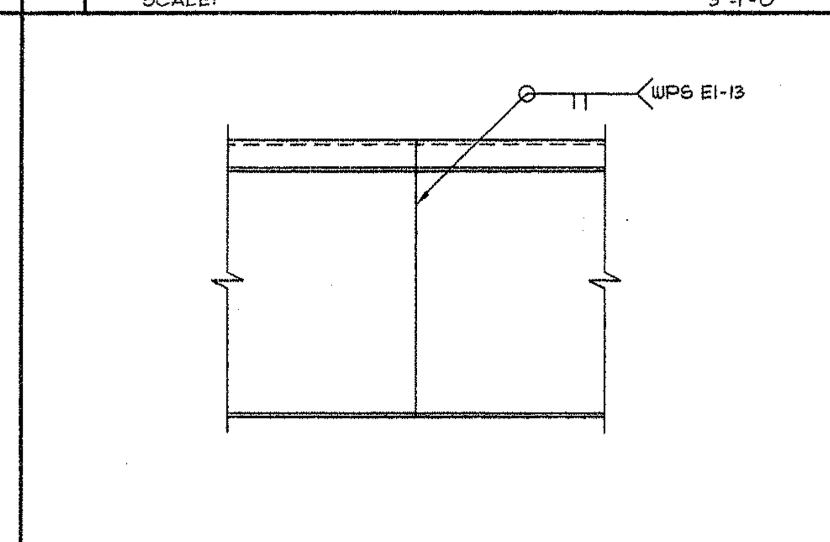
10 FLOOR BEAM BOTTOM FLANGE
SCALE: 3"=1'-0"



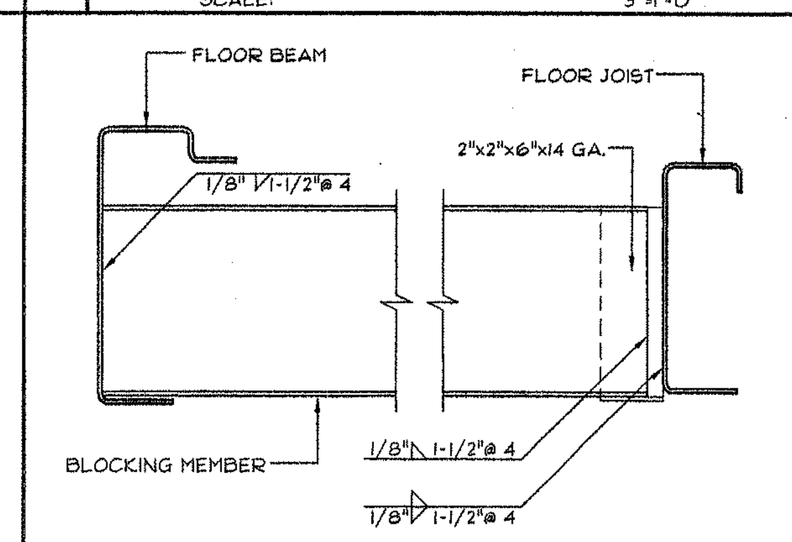
11 ROOF BEAM CONNECTION@MOD LINE
SCALE: 3"=1'-0"



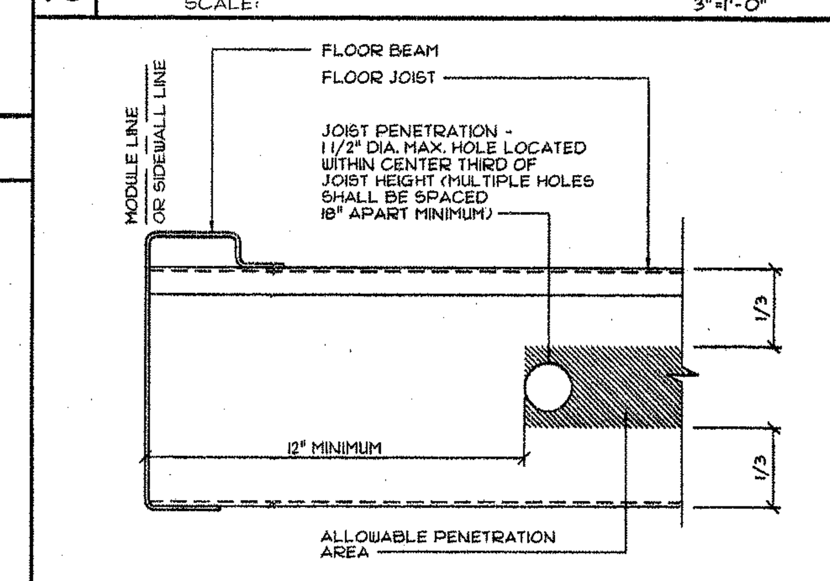
12 FLR BEAM CONNECTION @ MOD LINE
SCALE: 3"=1'-0"



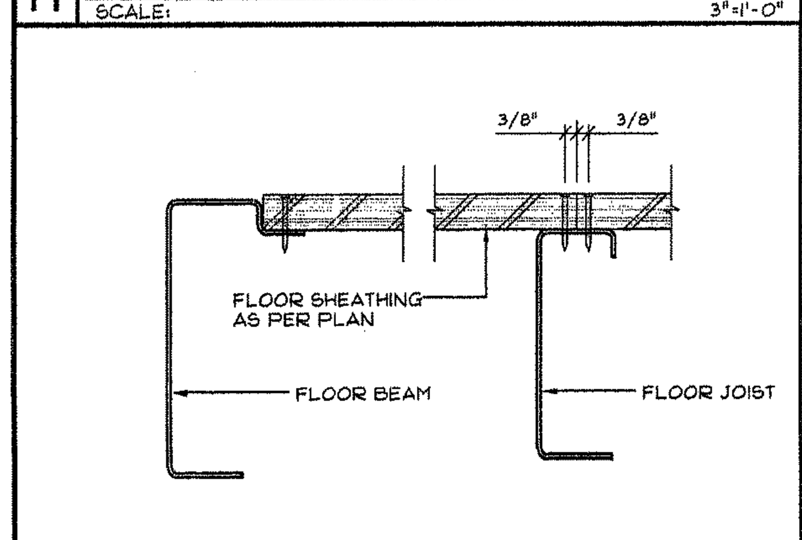
13 BEAM SPLICE DETAIL
SCALE: 3"=1'-0"



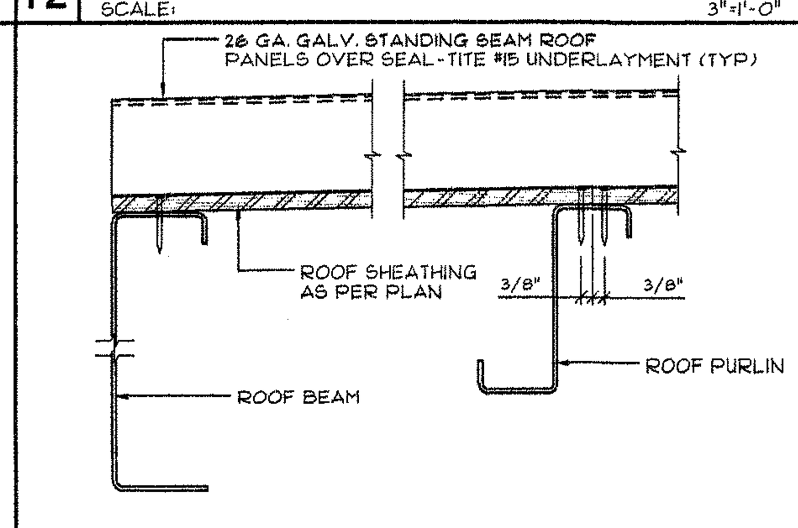
14 BLOCKING MEMBER CONNECTION
SCALE: 3"=1'-0"



18 FLOOR JOIST PENETRATION
SCALE: 3"=1'-0"

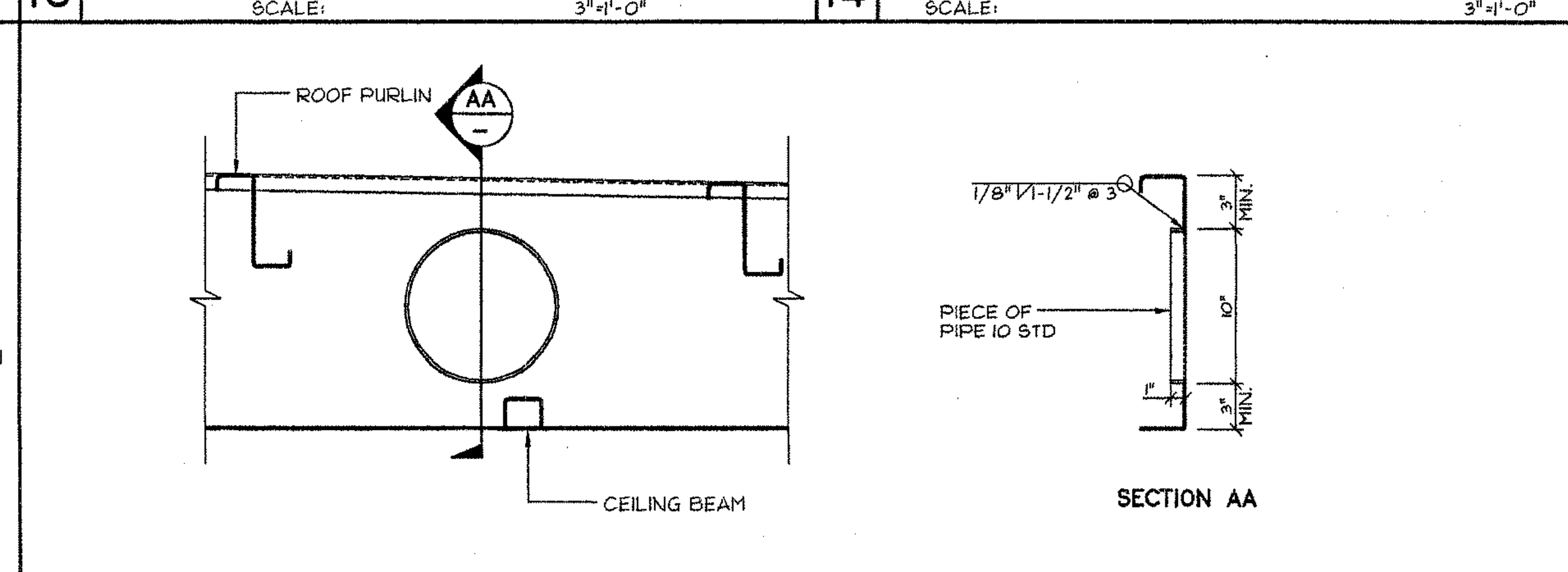


15 FLOOR SHEATHING ATTACHMENT
SCALE: 3"=1'-0"



NOTE: THIS ROOF MEETS CLASS "B" FIRE RATING
FOR FASTENER SCHEDULE, SEE "S3" SHEETS

16 ROOF SHEATHING ATTACHMENT
SCALE: 3"=1'-0"



17 10"φ ROOF BEAM PENETRATION @ MOD-LINE
SCALE: 1-1/2"=1'-0"

DIVISION OF THE STATE ARCHITECT

PC
2001 C.B.C.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
AC FLS SS
DATE 5/29/05

7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 14th STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1565

JOHN H. LAWDER
NO. S2310
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

STRUCTURAL CONNECTION DETAILS

REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

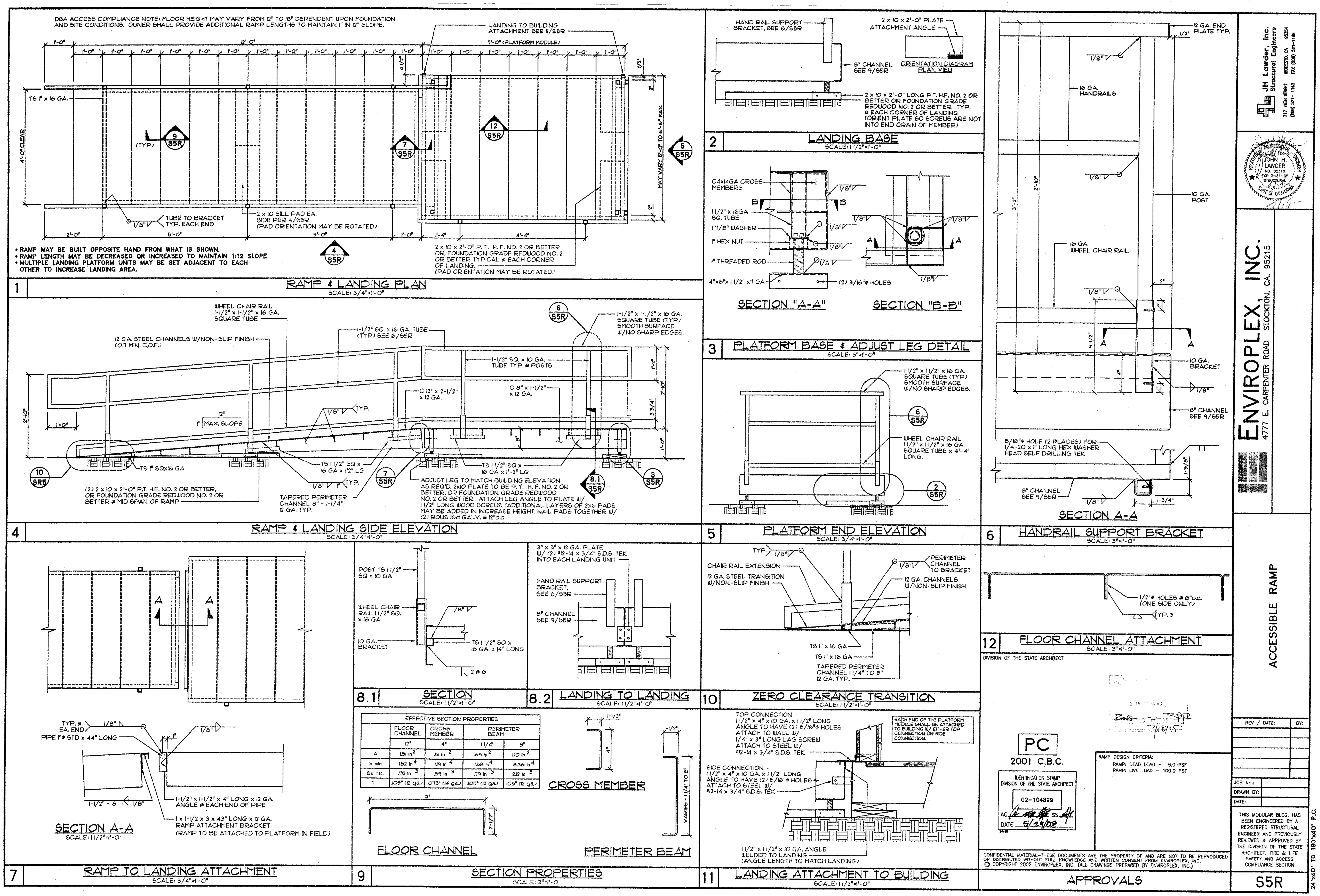
THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

S4

24'x40' TO 160'x40' P.C.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



EFFECTIVE SECTION PROPERTIES

	FLOOR CHANNEL	CROSS MEMBER	PERIMETER BEAM	
	12"	4"	1 1/4"	8"
A	1.51 in^2	.51 in^2	.69 in^2	1.10 in^2
Ix min.	1.52 in^4	1.19 in^4	1.58 in^4	8.36 in^4
Sx min.	.75 in^3	.59 in^3	.79 in^3	2.12 in^3
T	.105" (12 ga.)	.075" (14 ga.)	.105" (12 ga.)	.105" (12 ga.)

ENVIROPLEX, INC.

RIGID STEELFRAME MODULAR BUILDING
(8) 36'x40' RELOCATABLE STOCKPILE CLASSROOM

BUILDING – (A)
BUILDING – (B)
BUILDING – (C)
BUILDING – (D)

FOR MOBILE MODULAR MANAGEMENT CORP.

SERIAL NUMBERS – (7844 THRU 7867)
(REF PC #02-104899)

ABBREVIATIONS

@	AT
A.F.F.	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
AMP	AMPERES
APA	AMERICAN PLYWOOD ASSOCIATION
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
AWPB	AMERICAN WOOD PRODUCTS BUREAU
BM	BEAM
BTU	BRITISH THERMAL UNITS
C.C.	CENTER TO CENTER
C.B.C.	CALIFORNIA BUILDING CODE
C.E.C.	CALIFORNIA ELECTRICAL CODE
CIR	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CONT	CONTINUOUS
CP	COMPLETE PENETRATION
DBL	DOUBLE
D.F.	DOUGLAS FIR – LARCH
DIA	DIAMETER
DN	DOWN
D.S.A.	DIVISION OF THE STATE ARCHITECT
DWG	DRAWING
EA	EACH
ELEC	ELECTRICAL
EN	EDGE NAIL
EQ	EQUAL
EW	EACH WAY
EXP	EXPOSURE
EXT	EXTERIOR
F.A.	FIRE ALARM
FIN	FINISH
FLG	FLANGE
FLR	FLOOR
FLR'G	FLOORING
FT	FEET
FTG	FOOTING
F.R.P.	FIBERGLASS REINFORCED PANEL
FY	YIELD STRENGTH (STEEL)
GA	GUAGE
GALV	GALVANIZED
HD	HOLDDOWN
HDR	HEADER
HDWR	HARDWARE
H.M.	HOLLOW METAL
H.F.	HEM FIR
HR	HOUR
H.S.B.	A325N HIGH STRENGTH BOLTS
HVAC	HEATING VENTILATION AIR CONDITIONING
INT	INTERIOR
J–BOX	JUNCTION BOX
KW	KILOWATT
LB.	POUND
MAX.	MAXIMUM
M.B.	A307 MACHINE BOLTS
MFR	MANUFACTURER
MIN.	MINIMUM
MISC	MISCELLANEOUS
MOD	MODULE
MTL	METAL
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
O.C.	ON CENTER
OPT	OPTIONAL
PL	PLATE
PLYWD	PLYWOOD
P.S.I.	POUNDS PER SQUARE INCH
P.S.F.	POUNDS PER SQUARE FOOT
P.T.	PRESSURE TREATED
R–11	THERMAL RATING
REQ'D	REQUIRED
RFG	ROOFING
S.D.S.	SELF DRILLING SCREW(S)
SHG	SHEATHING
S.M.S.	SHEET METAL SCREW(S)
STR	STRUCTURAL
SQ.	SQUARE
T&G	TONGUE AND GROOVE
TEK	TEK SCREWS
TS	TUBE STEEL
TYP	TYPICAL
U.B.C.	UNIFORM BUILDING CODE
V	VOLTS
W	WATTS
W.I.C.	WOODWORK INSTITUTE OF CALIFORNIA
W/	WITH
W/O	WITHOUT
ø	DIAMETER
1ø	SINGLE PHASE
3ø	THREE PHASE

STRUCTURAL TESTS AND INSPECTIONS

TESTING LABORATORY: ____________ DATE: ________

NAME: ____________

DISTRICT/OWNER: ____________

DIVISION – FILE NO. ____________ APPLICATION NO. ________

ARCHITECT: ____________

STRUCTURAL ENGINEER: ____________

THE FOLLOWING TESTS AND INSPECTIONS, AS CHECKED, WILL BE REQUIRED AS DETAILED IN APPLICATION SPECIFICATIONS.

	COMPACTED FILL
	FILL MATERIAL, ACCEPTANCE TESTS
	COMPACTION CONTROL, CONTINUOUS
	COMPACTION TESTS ONLY AS ORDERED
	BEARING CAPACITY OF COMPACTED FILL
	REINFORCING STEEL
	SAMPLE AND TEST BAR STEEL
	SAMPLE AND TEST MESH
	INSPECT PLACING AT JOB
	STRUCTURAL STEEL
X	SAMPLE AND TEST AS DETAILED BELOW
X	SHOP FABRICATION INSPECTION
	FIELD ERECTION INSPECTION
X	INSPECTION OF WELDS–SHOP
	INSPECTION OF WELDS–FIELD
	INSPECTION OF RIVETING OR BOLTING–SHOP
	INSPECTION OF RIVETING OR BOLTING–FIELD
	SAMPLE AND TEST HIGH STRENGTH BOLTS AND WASHERS
	BRICK AND BLOCK
	SAMPLE AND TEST
	TEST ONLY
	INSPECTION OF PLACING
	CORE DRILL SAMPLES
	OTHER TESTS & INSPECTIONS
	1. GENERAL INPLANT INSPECTION
	2. ELECTRICAL GROUND TEST IN FIELD
	3. TEST ELECTRICAL GROUNDING

CON-CRETE	GUNITE	GROUT	MORTAR	
				TEST OF AGGREGATES FOR MIX DESIGN ONLY
				SUITABILITY TESTS OF AGGREGATES AS DETAILED BELOW
X				MIX DESIGNS (METHOD A)
X				WEIGHMASTER CERTIFICATE
				INSPECT PLACING
				SAMPLE
X				COMPRESSION TESTS (CONCRETE FOUNDATION ONLY)
				PICK UP SAMPLES AT JOB
				SAMPLES DELIVERED TO LABORATORY
				DELIVER SAMPLE FORMS TO JOBSITE
				SAMPLE AND TEST CEMENT

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH PSI MINIMUM			
		@ 28 DAYS			
CONCRETE	1"	2,500 PSI			

LIST OF STRUCTURAL STEEL MEMBERS TO BE TESTED

PROVIDE MILL CERTIFICATES OR TEST PER C.B.C. SECTION 2231A
STRUCTURAL TUBING TS5x5x3/16
LIGHT GAUGE STEEL SECTIONS & PLATES

DISTRIBUTION
( ) ENVIROPLEX INC. ______
( ) DIVISION OF STATE ARCHITECT ______
( ) DISTRICT/OWNER ______
( ) INSPECTOR ______
( ) ARCHITECT ______
( ) ______

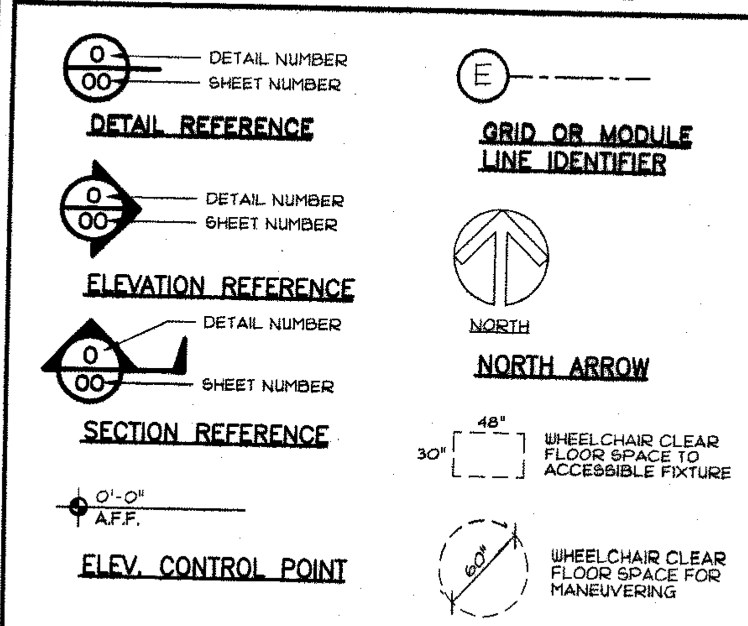
AUTHORIZATION SIGNATURE

REMARKS: ____________

D.S.A. REQUIREMENTS

1. ALL MATERIALS & WORKMANSHIP SHALL CONFORM TO THE 2001 CALIFORNIA BUILDING CODE (C.B.C.). A COPY OF THE CALIFORNIA BUILDING CODE SHALL BE KEPT ON THE SITE AT ALL TIMES.
2. CHANGES TO THE APPROVED DRAWINGS & SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CHANGE ORDER APPROVED BY THE STRUCTURAL ENGINEER, OWNER, & THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED.
3. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) & APPROVED BY THE STRUCTURAL ENGINEER & THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 1701A.3 OF 2001 C.B.C.
4. MATERIAL TESTING AS NOTED IN THE STRUCTURAL TESTS & INSPECTIONS AT THE LEFT SHALL BE PERFORMED AS REQUIRED PER SECTION 2231A & 1929A FOR CONCRETE OF 2001 C.B.C. MATERIAL TESTING REQUIRED BY FIRE REGULATIONS SHALL BE PERFORMED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
5. VERIFIED REPORTS (DSA/SSS FORM 6) SHALL BE SUBMITTED PER SECTION 4-336, 4-341(f), 342(b)(8), AND 4-343 (c) BY THE MANUFACTURER, INSPECTOR, STRUCTURAL ENGINEER.
6. A SEPARATE DSA APPLICATION NUMBER MUST BE OBTAINED BEFORE MANUFACTURING ANY ENVIROPLEX UNIT IN ACCORDANCE WITH THESE DRAWINGS.
7. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD & ACCESS REQUIREMENTS & ENVIROMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
8. SPECIAL INSPECTIONS PER SECTION 1701A 2001 C.B.C.

SYMBOL LEGEND



SEE SHEET A3 FOR ELECTRICAL SYMBOLS

BUILDING CODES/CBC DATA

APPLICABLE BUILDING CODES AND STANDARDS:

2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).

2001 CALIFORNIA BUILDING CODE, VOLUMES 1, 2 AND 3 (PART 2, TITLE 24, CCR) (1997 EDITION UNIFORM BUILDING CODE W/ 2001 CALIFORNIA AMENDMENTS).

2001 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR) (1999 EDITION NATIONAL ELECTRICAL CODE W/ 2001 CALIFORNIA AMENDMENTS).

2001 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM MECHANICAL CODE W/ 2001 CALIFORNIA AMENDMENTS).

2001 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR) (2000 EDITION IAPMO UNIFORM PLUMBING CODE W/ 2001 CALIFORNIA AMENDMENTS).

2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR).

2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR).

2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR).

2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR).

NFPA 13, 1999 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED.

NFPA 14, 2000 EDITION, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS.

NFPA 24, 1995 EDITION, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES.

NFPA 72, 1999 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED.

OCCUPANCY:	**E1**
CONSTRUCTION TYPE:	**V–N**
CLASSROOM AREA:	**1440 S.F. NOMINAL**

SHEET INDEX

- THIS BUILDING IS STRUCTURALLY DESIGNED TO SUPPORT THE WEIGHT OF A FUTURE FIRE SPRINKLER SYSTEM, IF REQUIRED.
- THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES.
- THIS PC IS APPROVED FOR CLIMATE ZONES 1 THROUGH 16.

APPROVALS

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 107401 (Shipsfeng)
7/18/05

DESIGN CRITERIA:
ROOF: DEAD LOAD – 8.0psf (14.0psf W/1HR ROOF)
ROOF: LIVE LOAD –
☒ 20.0 PSF (SNOW)
☐ 30.0 PSF (SNOW)
FLOOR: DEAD LOAD – 8.0 PSF
FLOOR: LIVE LOAD –
☒ 50.0 PSF
☐ 70.0 PSF
☐ 125.0 PSF
FLOOR JOIST STIFFNESS RATING –
☒ JOISTS @ 32"o.c. (70 PSF RATED)
☐ JOISTS @ 24"o.c. (125 PSF RATED)
WALLS: DEAD LOAD – 8.0psf (17.0psf W/STUCCO)
WIND: 80 MPH; EXPOSURE: C
qs=16.4 PSF; Ce=1.06; Cq AS REQ.
SEISMIC: ZONE 4, $R=4.5$, $\Omega_0=2.8$, $N_a=1.5$, $C_a=0.44N_a$, $N_v=2.0$, $C_v=.64N_v$

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING (STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

COVER SHEET, BUILDING CODES & C.B.C. DATA, SHEET INDEX

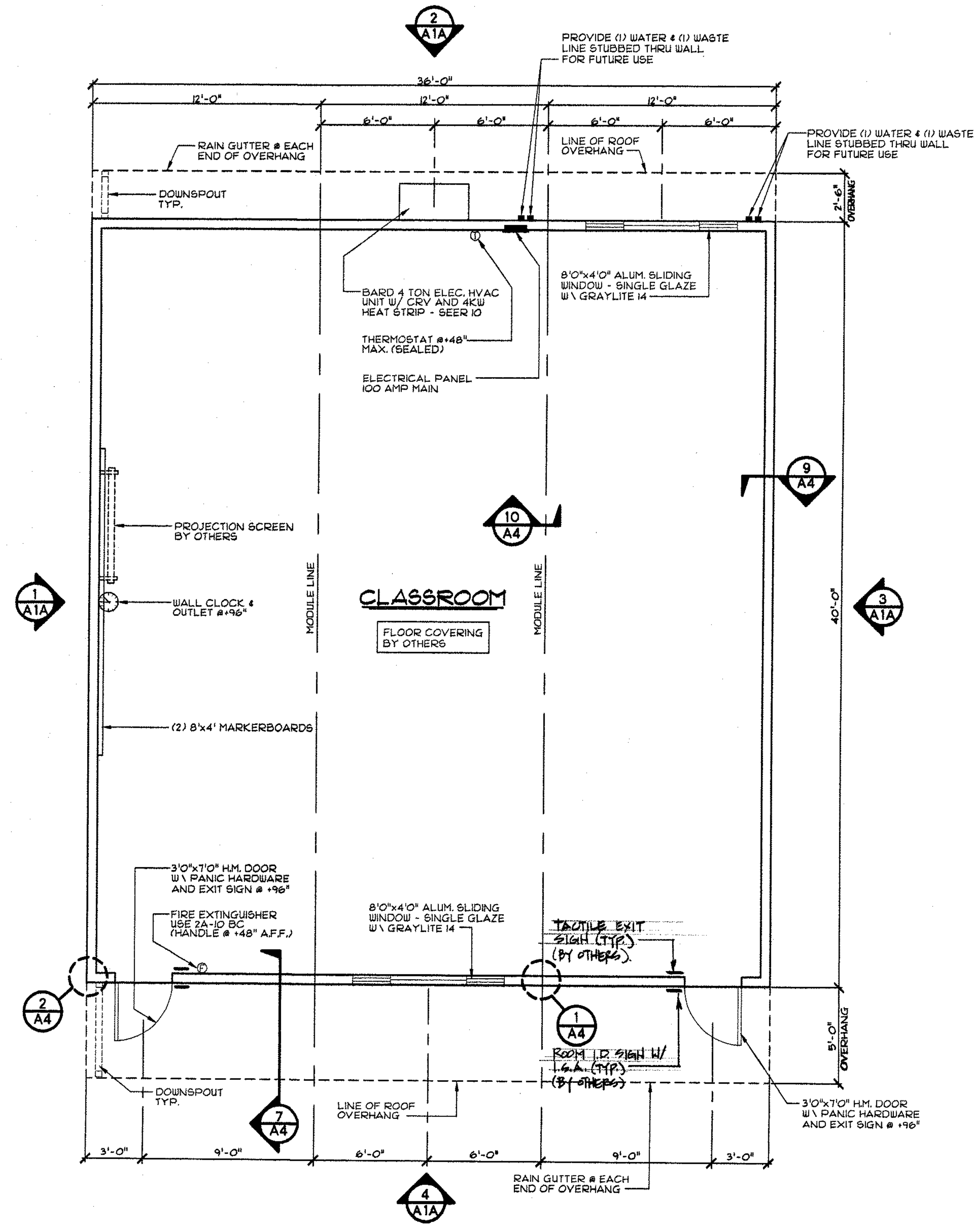
REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

A0

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



1

FLOOR PLAN

SCALE: 1/4"=1'-0"

1. CARPETS- ALL MODULES SHALL BE CARPETED WITH DIRECT GLUE DOWN TYPE PER STATE OF CALIFORNIA SPECIFICATION 7220-21K-01, GROUP 1, TYPE "A", CLASS 24. THE CARPET DENSITY SHALL BE 4600 MIN. PILE YARN SHALL BE BRANDED NYLON, INSTALLED WITH MINIMAL CROSS SEAMS. COLOR TO BE SELECTED BY OWNER.
2. RESILIENT BASE COVE- BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE.
SOLID COLORS AS MANUFACTURED BY "BURKE RUBBER CO." OR EQUAL.
3. ADHESIVES SHALL BE WATER BASE, SOLVENT BASE NOT ACCEPTABLE. FURNISH AND APPLY PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
4. SEALANT- ROOF & MODULE LINE - POLYURETHANE
SIDING & TRIM - ACRYLIC LATEX
5. PAINT- (EXTERIOR WOOD) PRIMER----------ACRYLIC UNDERCOAT
FINISH----------ACRYLIC LATEX
(METALS)------- PRIMER----------RED OXIDE ALKYD
FINISH----------ACRYLIC LATEX
6. M.D.O. BUILDING, DOOR, & WINDOW TRIM. TRIM SHALL BE SEALED AT ALL EDGES SEALANT. PAINTED TO MATCH TRIM OR SIDING.
EXTERIOR SIDING-8" O.C. GROOVED M.D.O. PLYWOOD OR STUCCO PATTERN FACED EXTERIOR SIDING. (MINIMUM NET THICKNESS 3/8")
7. HOLLOW METAL DOORS AND FRAMES- 3'0" x 7'0" x 1-3/4" 18 GA. FULL FLUSH METAL DOOR IN 16 GA. METAL FRAME.
EXIT DOOR SHALL BE OPENABLE FROM THE INTERIOR WITHOUT A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
WHEN CLOSERS ARE PROVIDED FOR DOORS, CLOSERS SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 5 LBS.
DEADBOLTS NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT USING LEVER HANDLE.
DOOR SWINGS CAN BE RIGHT OR LEFT HAND HINGE.
HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISHED FLOOR. (UNLESS OTHERWISE NOTED)
LOCKSET (LEVER MODEL) SCHLAGE D70PDRHO (RHODES) OR EQUAL (WHERE SPECIFIED ONLY)
LOCKSET (PANIC DEVICE) INTERIOR: PRECISION #1108 OR EQUAL
EXTERIOR: PRECISION #3908A OR EQUAL
CYLINDER: SCHLAGE, YALE, SARGENT OR EQUAL
EXTERIOR HINGES -------- HAGER BB1279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL
INTERIOR HINGES -------- HAGER BB1279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL
CLOSER---------------- NORTON 8501BF OR EQUAL
THRESHOLD------------- PEMKO 271A OR EQUAL
DOOR BOTTOM----------- PEMKO 216AV OR EQUAL
WEATHERSTRIP---------- PEMKO 299AV OR EQUAL
8. WINDOWS: CLIMATE ZONES 1, 14, 15 & 16 - "ALL WEATHER" DOUBLE PANE, TINTED, METAL FRAME W/ NFRC RATED U-VALUE = 0.78 AND SHGC = 0.43 ARE REQUIRED
CLIMATE ZONES 2 THROUGH 13 - "ALL WEATHER" SINGLE PANE, TINTED, METAL FRAME W/ NFRC RATED U-VALUE = 1.14 AND SHGC = 0.39 ARE REQUIRED
NOTE: "ALL WEATHER" DOUBLE PANE, TINTED, METAL FRAME WINDOWS DEFINED ABOVE ARE OPTIONAL.

ROOFING

METAL ROOF:
PREFINISHED, UNPENETRATED INTERLOCKING, 26 GAGE MIN. GALVANIZED STEEL ROOF PANELS, MECH. CRIMPED STANDING SEAMS OVER SEAL-TITE #15 UNDERLAYMENT OVER 15/32" APA RATED, EXTERIOR GRADE PLYWOOD. (CLASS "B" FIRE RATING)

INSULATION

1. ALL INSULATION (INCLUDING PIPE INSULATION) SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS, CALIFORNIA BUILDING CODE SEC. 707.2 , 707.3. & 2606 FOR FOAM. MAX FLAME SPREAD: 25, MAX SMOKE DENSITY: 450

ROOF: CLIMATE ZONES 1, 14, 15 & 16 - R-30 FIBERGLASS BATTS REQUIRED
CLIMATE ZONES 2 THROUGH 13 - R-19 FIBERGLASS BATTS, OPTIONAL R-30
WALLS: CLIMATE ZONES 1, 14, 15 & 16 - R-13 FIBERGLASS BATTS REQUIRED
CLIMATE ZONES 2 THROUGH 13 - R-11 FIBERGLASS BATTS
FLOOR: CLIMATE ZONES 1 THROUGH 16 - 1 1/2" POLYISOCYANURATE RIGID INSULATION (R-6.4 PER INCH OR GREATER)

IDENTIFICATION

NOTE: THE MANUFACTURER SHALL PLACE TWO PERMANENT METAL IDENTIFICATION TAG ON EACH MODULAR BUILDING MECHANICALLY FASTENED TO THE END WALL. THE TAG SHALL SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S SERIAL NUMBER, PLANT INSPECTOR'S IDENTIFICATION MARK AND DESIGN FLOOR AND ROOF LIVE LOAD. PLACE ONE TAG ON EXTERIOR AND, ONE ON THE INTERIOR ABOVE CEILING LINE.

8 MATERIAL SPECIFICATIONS & NOTES

1. SAWN LUMBER GRADED PER WEST COAST LUMBER INSPECTION BUREAU, RULE 17.
2. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR #2, ALL BLOCKING SHALL BE DOUGLAS FIR #3.
3. LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
4. LUMBER MAY BE REJECTED FOR BOXED HEART, EXCESSIVE WARP, TWIST, SPLIT, CHECK, FUNGUS, MOLD, OR ANY REASON PROVIDED BY GRADING RULES.

9 LUMBER NOTES

1. ALL MODULES MAY BE BUILT OPPOSITE HAND FROM THE WAY THEY ARE SHOWN
2. SIDEWALL & ENDWALL ELEVATIONS SHOWN ON THIS SHEET DEPICT NON-BEARING WALLS NOT REQUIRED FOR THE RESISTANCE OF VERTICAL OR LATERAL LOADS.

10 BUILDING AND WALL PANEL OPTIONS

DIVISION OF THE STATE ARCHITECT

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RELOCATABLE BUILDING
(STOCK PILE)

MOBILE MODULAR MANAGEMENT CORPORATION

FLOOR PLAN,
MATERIAL SPECIFICATIONS,
& NOTES

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
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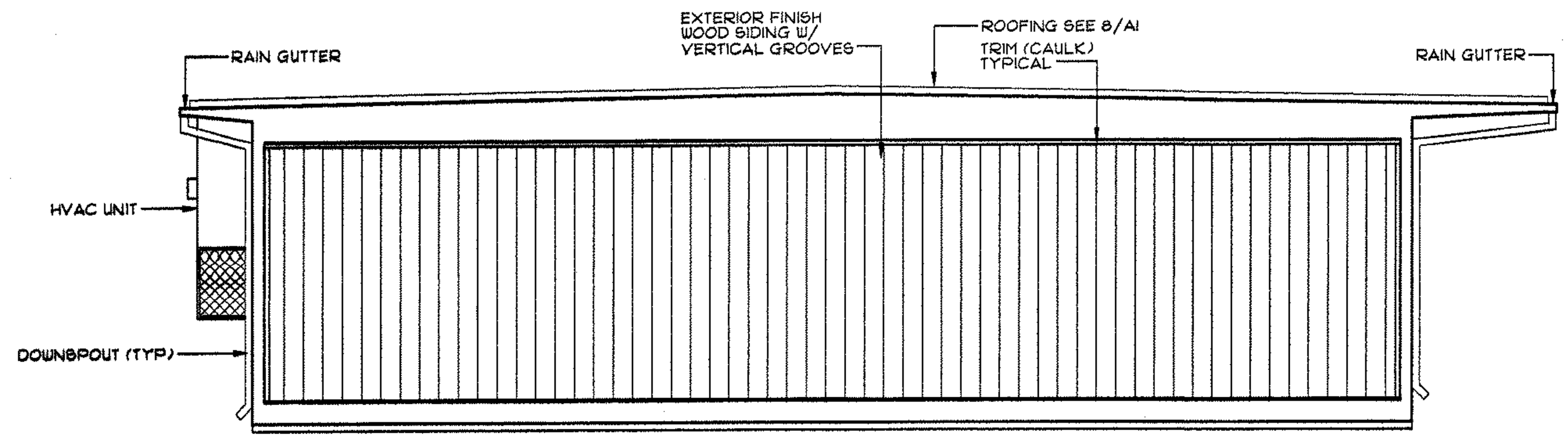
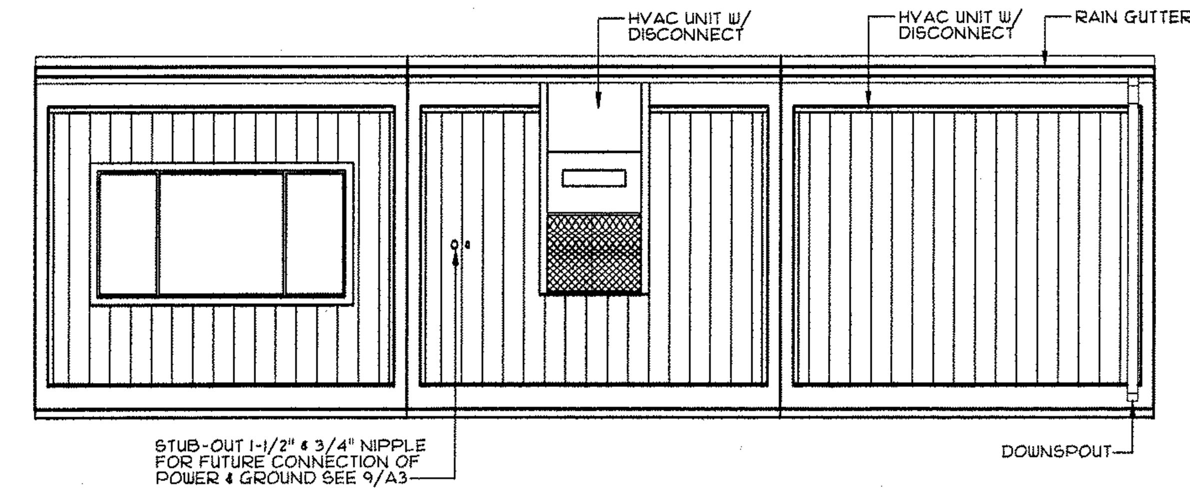
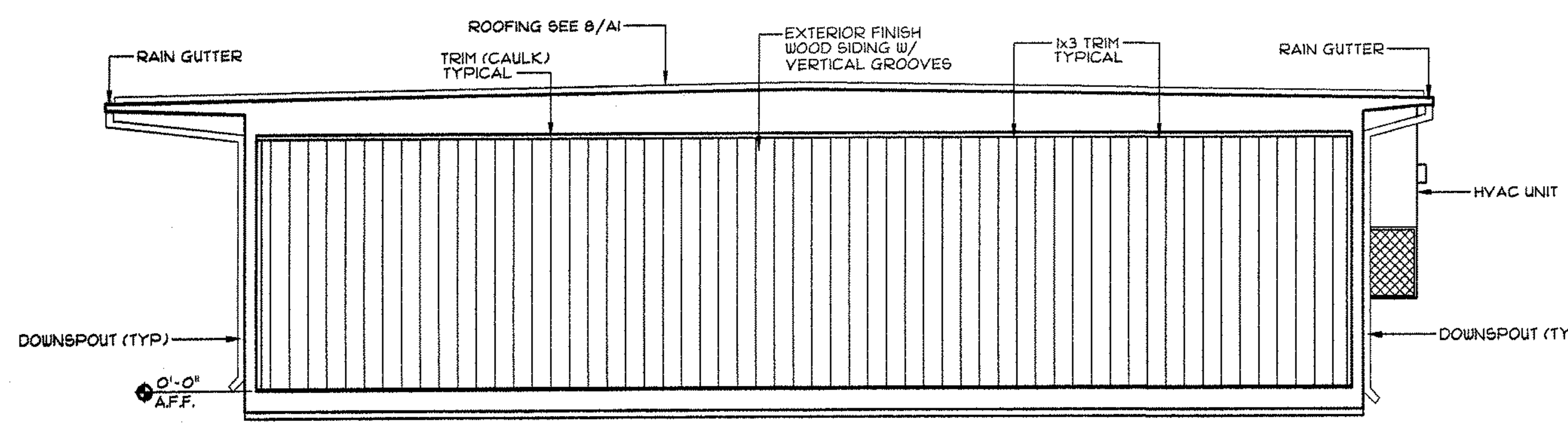
(A)A1



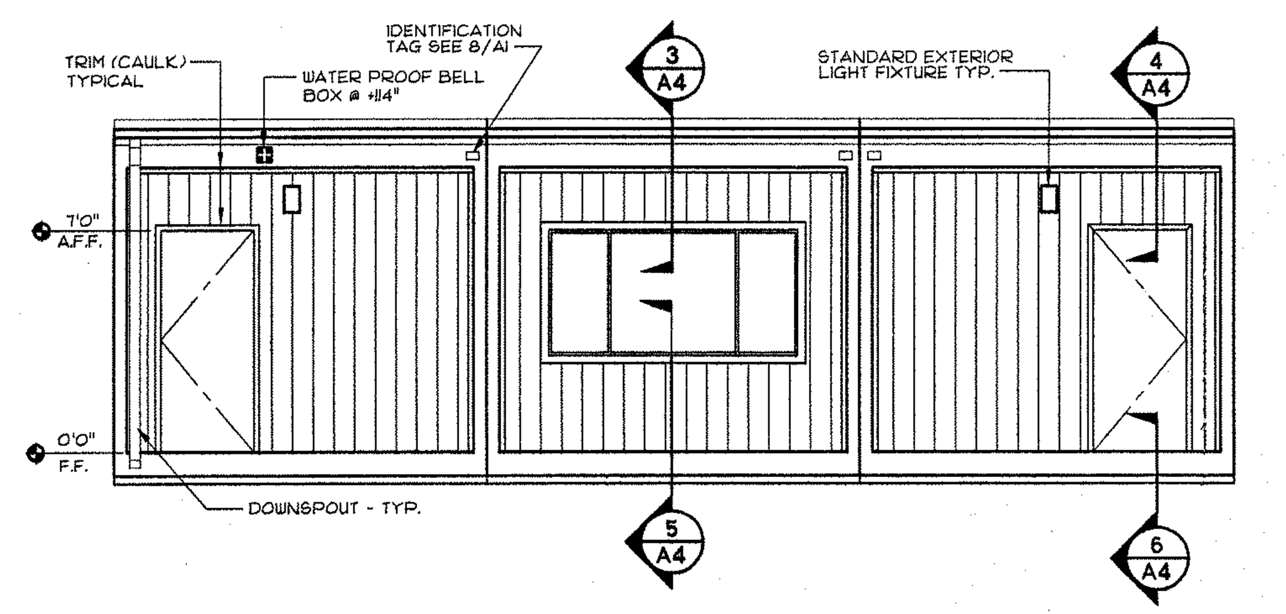
1 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



2 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



3 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



4 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"

5

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RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

EXTERIOR ELEVATIONS

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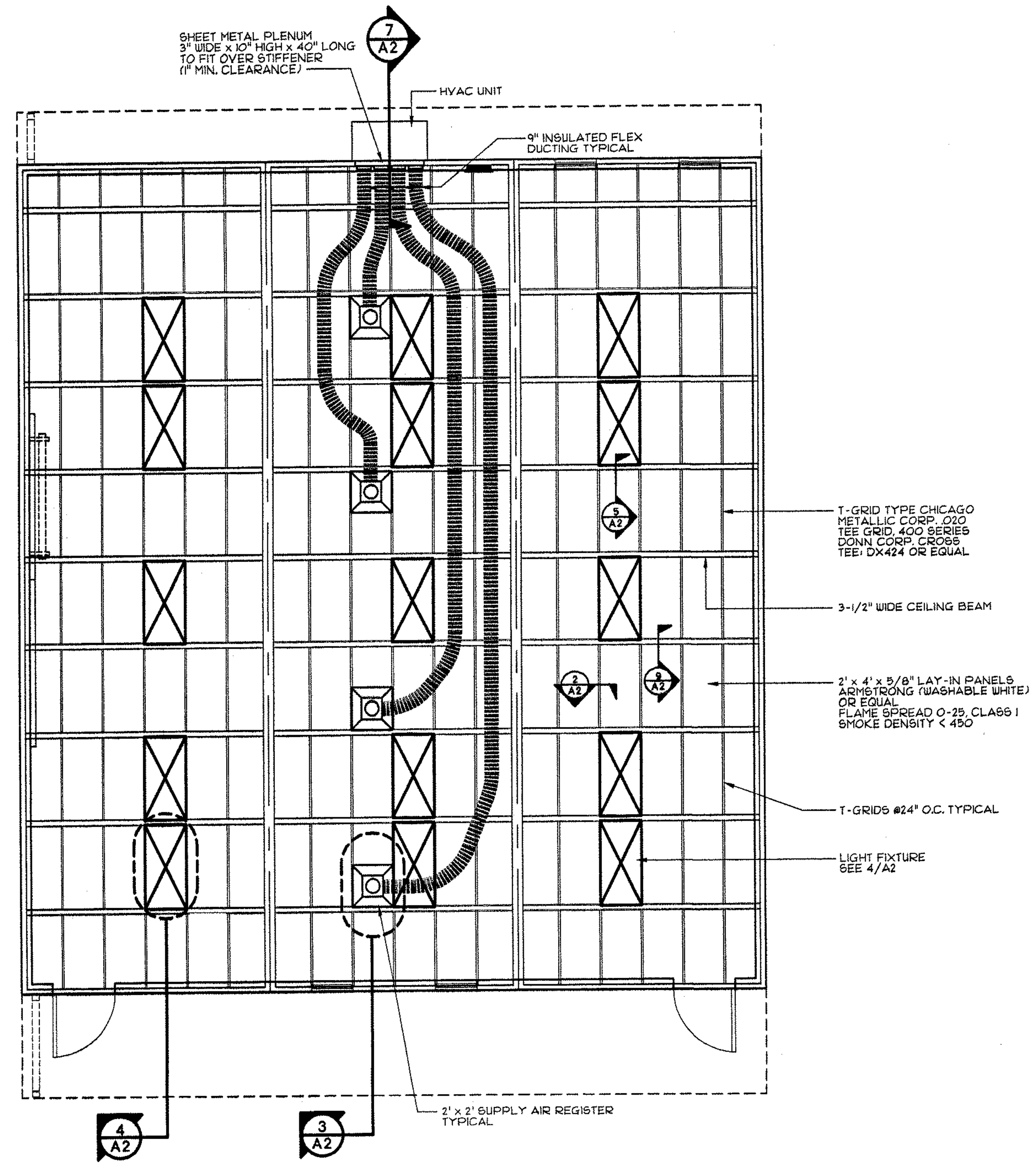
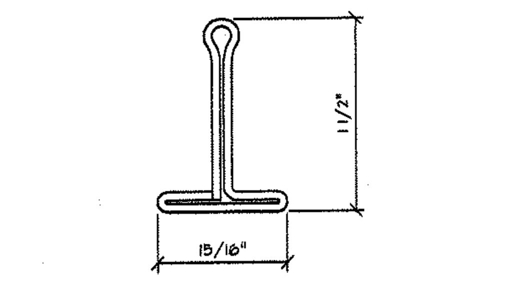
(A)A1A

7/18/05



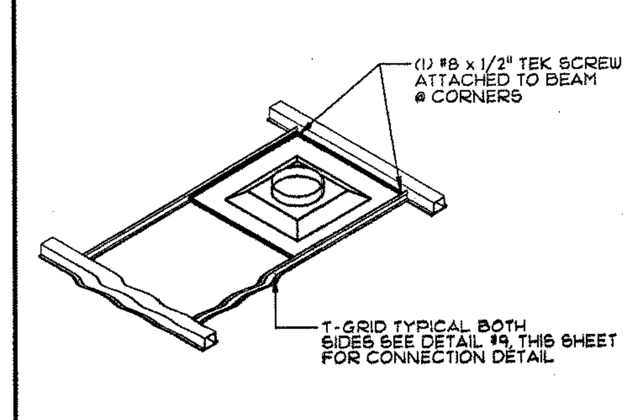
NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

1 — "EXTERIOR HVAC" MECHANICAL & REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

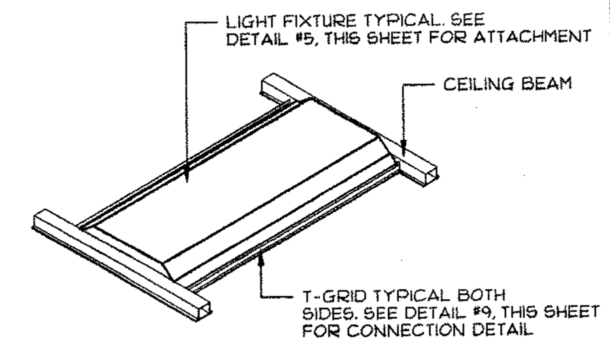


NOTE: T-GRID TO BE DONN CORP. CROSS TEE: DX424 OR CHICAGO METALLIC CORP. .020 TEE GRID, 400 SERIES OR EQUAL.

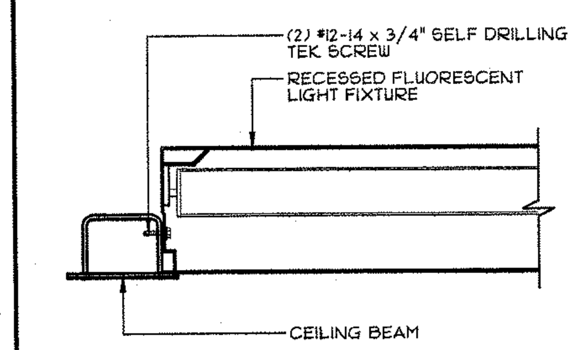
2 — TYP. T-GRID SECTION
SCALE: FULL



3 — SUPPLY AIR REGISTER
SCALE: 1/2"=1'-0"



4 — LAY-IN LIGHT FIXTURE
SCALE: 1/2"=1'-0"



5 — LIGHT FIXTURE SUPPORT
SCALE: 3"=1'-0"

I. EXTERIOR HEAT PUMP
SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD WH48A05VX4 (OR EQUAL)

WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 39,406 BTU HR (95°F) HEATING 43,000 BTU HR (47°F)
E) WEIGHT: 510# MAX

IA. INTERIOR HEAT PUMP
SINGLE PACKAGE FLOOR & WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD QH42A05VPXD (OR EQUAL)

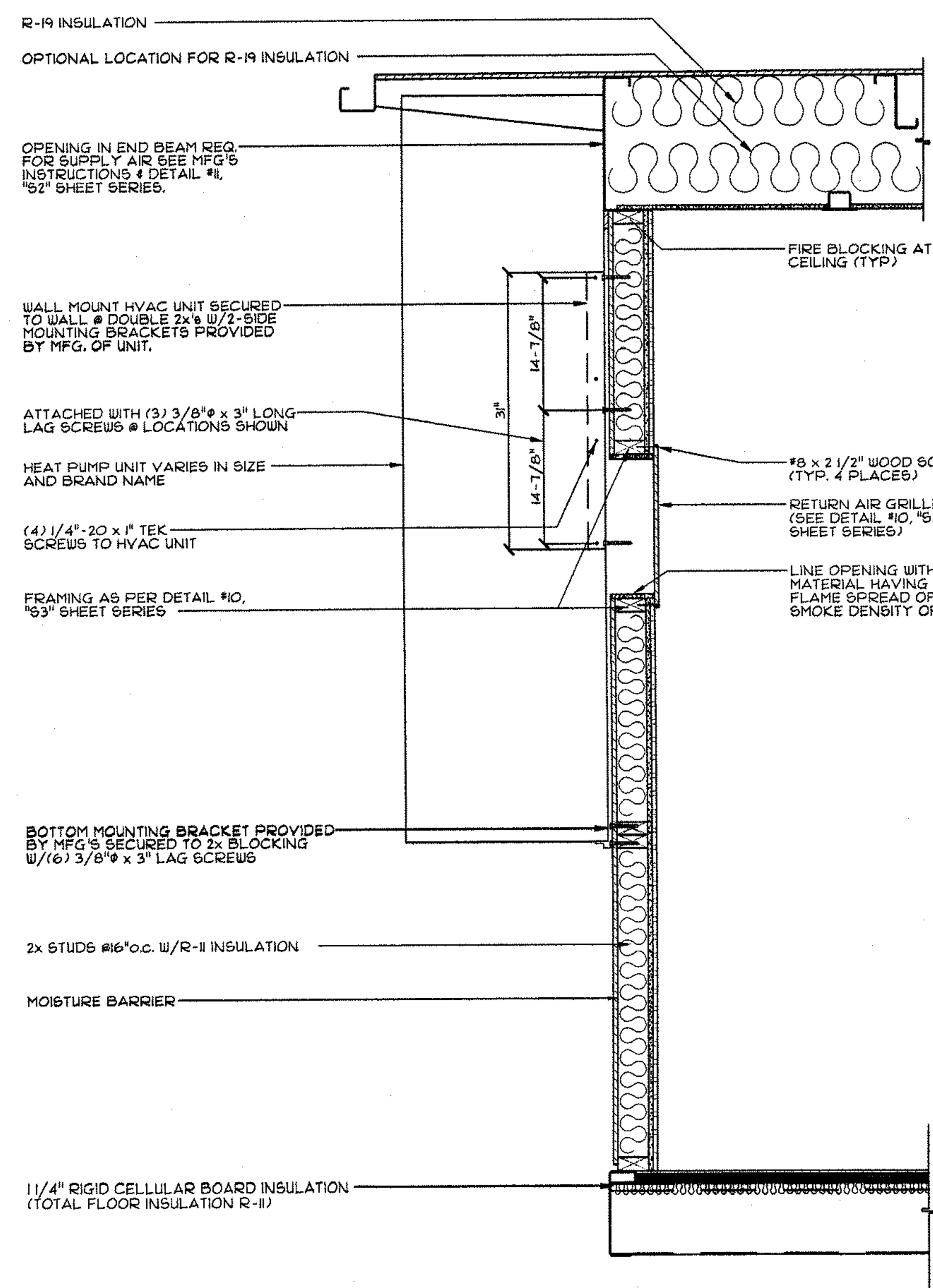
WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 40,000 BTU HR (95°F) HEATING 38,000 BTU HR (47°F)
E) WEIGHT: 530# MAX

AIR FILTERS:
AN APPROVED TYPE TESTED IN ACCORDANCE WITH TEST METHODS SFM-12-71-AS SHOWN IN PART 12. TITLE 24. CALIFORNIA CODE OF REGULATIONS. PREFORMED FILTERS HAVING COMBUSTABLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS IN ALL OCCUPANCIES SHALL BE CLASS 2 OR BETTER. AS DEFINED IN THE TEST METHOD ABOVE. AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT.

2. CONTROLS:
THERMOSTAT: WHITE-ROGERS 92371 OR 90371 DIGITAL (TAMPER PROOF).
MAX. +60" FROM FLOOR (+48" MAX IF NON-SEALED TYPE).

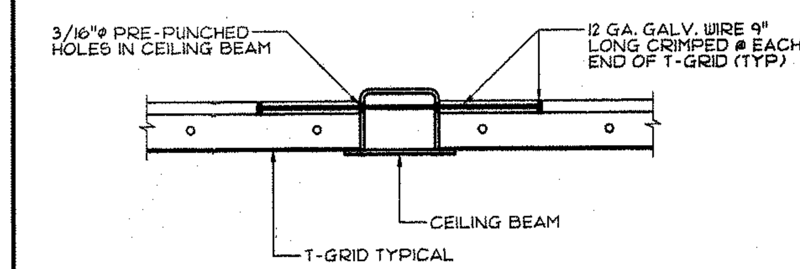
3. DUCTS: MAY BE CLASS "1" OR "0"
FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARDS NO. 6-1. EACH PORTION OF A FACTORY MADE AIR DUCT SYSTEM SHALL BE INDENTIFIED BY THE MANUFACTURER WITH A LABLE OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE W/UMC STANDARD NO. 6-1 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THIER LISTING. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDING SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVE AS NORMALLY APPLIED. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50

8 — HVAC SPECIFICATIONS

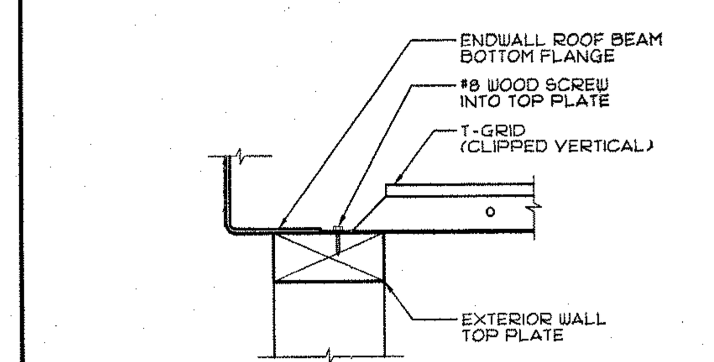


NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

7 — HVAC UNIT WALL ATTACHMENT DETAIL
SCALE: 1"=1'-0"



9 — T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"



10 — T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"

DIVISION OF THE STATE ARCHITECT

APPROVALS

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RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

"EXTERIOR HVAC UNIT"
MECHANICAL & REFLECTED CEILING PLANS, HVAC WALL ATTACH., DETAILS, HVAC SPECIFICATIONS

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

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(A)A2

1. FIRE ALARM: FURNISHED BY OWNER AND SHALL CONFORM TO THE CALIFORNIA BUILDING CODE SECTION 305.9 AND CALIFORNIA ELECTRICAL CODE ARTICLE 760.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY D.S.A.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE PROJECT INSPECTOR.

2 FIRE PROTECTION

- DUPLEX RECEPTACLE @+15" MIN. A.F.F. (UNLESS OTHERWISE NOTED)
- PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT @+60" MAX. A.F.F. (NON USER OPERABLE)
- WALL CLOCK W/SINGLE CLOCK RECEPTACLE
- J — JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)
- H — WATER PROOF BELL BOX UNDER EAVE @+9'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION
- P — JUNCTION BOX @+48" A.F.F. FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- V — JUNCTION BOX @+90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- I — JUNCTION BOX @+48" A.F.F. (U.O.N.) FOR FUTURE INTERCOM
- EXTERIOR INCANDESCENT LIGHT FIXTURE @ +96" A.F.F. (U.O.N.)
- S — LIGHT SWITCH @+48" MAX. A.F.F.
- HT — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)
- S — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

1. WALL CLOCK:
   12"Ø CLOCK WITH "EAGLE" CLOCK RECEPTACLE 115 VAC. "R&H" INC. (OR EQUAL.)
2. ELECTRICAL PANEL:
   FLUSH MOUNTED W/ HINGED DOORS AND INDEXED CARD HOLDERS CIRCUIT BREAKER(S) WILL HAVE AN APPROPRIATE UL. LABEL LISTING.
3. RECEPTACLES:
   "LEVITON", "HUBBEL" (OR EQUAL)
4. LIGHT SWITCHES:
   "LEVITON", "HUBBEL" (OR EQUAL)
5. LIGHTING FIXTURE:
   2' x 4' FLUORESCENT LAY-IN TYPE FIXTURES, T-8 W/ ELECTRONIC BALLASTS & 32 WATT LAMPS "COOPER", "LITHONIA" (OR EQUAL) MAXIMUM OF (4) LAMPS AND 128 INPUT WATTS PER FIXTURE.
6. ELECTRIC METALLIC TUBING:
   COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED.
7. CONDUCTORS:
   COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6 TYPE THW FOR LARGER SIZES. MINIMUM SIZE #12. LIGHTING & OUTLETS USE MINIMUM SIZE #12, SIZE HVAC WIRING PER LOAD.
8. SEE SHEET A2 FOR HVAC & THERMOSTAT SPECIFICATION.
9. SUPPLEMENTAL ELECTRICAL POWER SYSTEM (OPTIONAL):
   "UNI-SOLAR" PHOTOVOLTAIC LAMINATE (PVL) SOLAR ELECTRIC ROOF PANELS. FACTORY OR FIELD INSTALLED IN 18'-0" LONG x 15" WIDE x 0.12" THICK FLEXIBLE SHEETS (WT. = 0.75 P.S.F.). ADHESIVE BONDED TO GALV. STANDING SEAM METAL ROOF PANS.
   SOLAR ELECTRIC SYSTEM SHALL BE INSTALLED WITH ALL NECESSARY COMPONENTS AND EQUIPMENT TO GENERATE SUPPLEMENTAL ELECTRICAL POWER (FLEXIBLE SOLAR PANELS, WIRING, CONDUIT/WIRE WAYS, DISCONNECTS, INVERTER, AND OPTIONAL BATTERY BACKUP, ETC.)
10. ILLUMINATED EXIT SIGNS AND EMERGENCY LIGHT FIXTURES:
    IF REQUIRED BY CODE, SHALL BE PROVIDED IN COMPLIANCE W/ C.B.C. 1003.2.8 & 1003.2.9

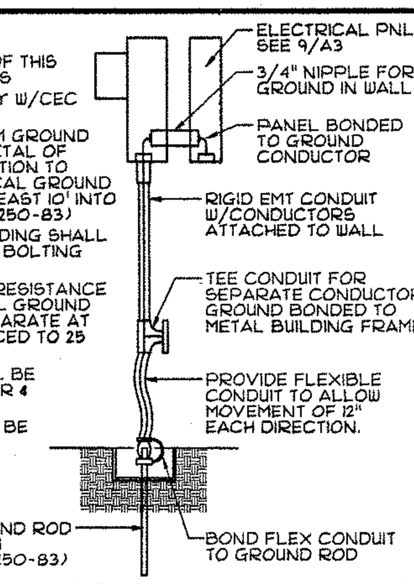
3 ELECTRICAL SPECIFICATIONS

1. CERTIFIED LUMINARIES/BALLASTS.
2. INDEPENDENT CONTROL WITHIN ENCLOSED AREAS.
3. MANUAL SWITCHING READILY ACCESSIBLE.
4. REDUCTION OF LIGHTING LOAD TO AT LEAST 50%.
5. SEPARATE SWITCHING OF DAYLITE AREAS.
6. TANDEM WIRING OF (4) LAMP LUMINARIES.

5 ELECTRICAL ENERGY COMPLIANCE

4 ELECTRICAL LEGEND

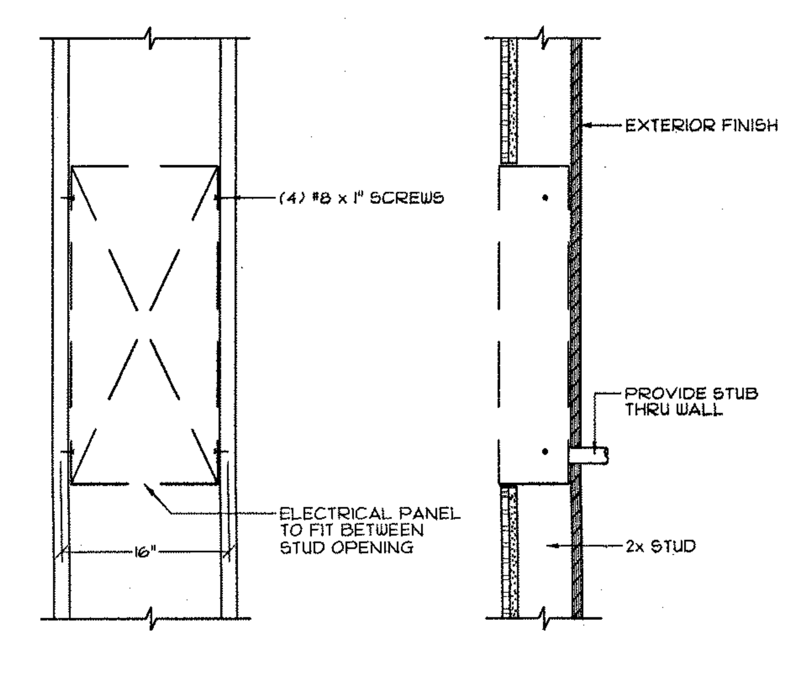
NOTES:
1. METER AND GROUND ARE NOT PART OF THIS CONTRACT TO BE PROVIDED BY OTHERS
2. SIZE OF CONDUCTORS SHALL COMPLY W/CEC TABLE 250-95
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL OF BUILDING FRAME (CEC. 250-81) IN ADDITION TO THE DETAIL SHOWN BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (C.E.C. 250-81 & 250-83)
4. ALL MODULES OF METAL FRAME BUILDING SHALL BE ELECTRICALLY BONDED TOGETHER, BOLTING ONLY IS NOT ACCEPTABLE BONDING.
5. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS W/ CONDUCTORS AS SHOWN, SEPARATE AT LEAST 6'0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (C.E.C. 250-84
6. ELECTRICAL GROUNDING TEST SHALL BE WITNESSED BY THE PROJECT INSPECTOR & RESULTS SENT TO D.S.A..
7. GROUND ROD GROUNDING CLAMP TO BE BUSHING RATED FOR 3 CONNECTIONS



1/2"Ø x 8'0" LONG. COPPER CLAD GROUND ROD OR OTHER ELECTRODE AS SPECIFIED IN CALIFORNIA ELECTRICAL CODE (C.E.C. 250-83)

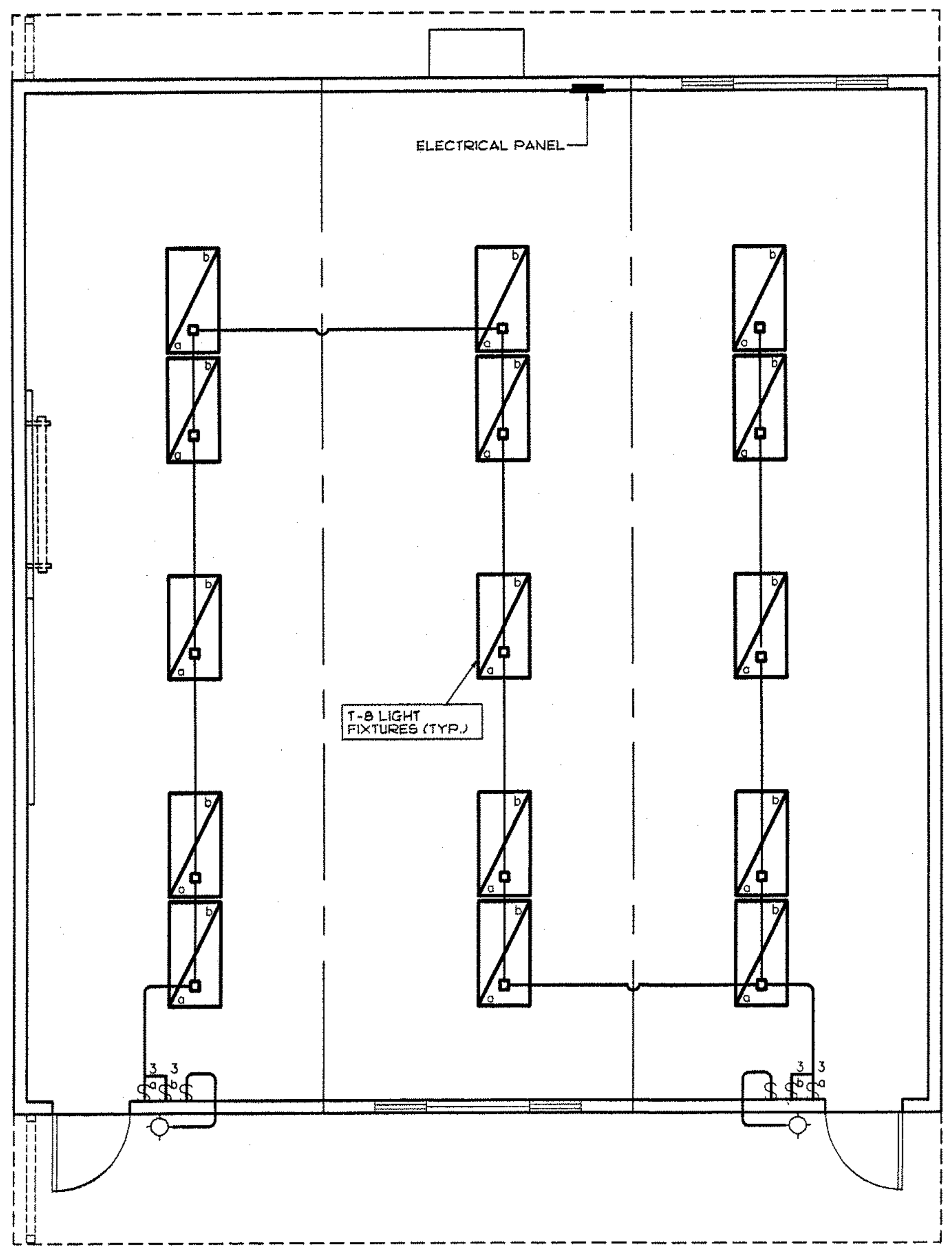
NOTE: GROUND TO BE PROVIDED BY OTHERS

6 ELECTRICAL GROUND



9 ELECTRICAL PANEL INSTALLATION

SCALE: 1"=1'-0"



NOTE:
NO ALTERATIONS (DRILLING HOLES, ECT.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

8 ELECTRICAL LIGHTING PLAN

SCALE: 1/4"=1'-0"

7

DIVISION OF THE STATE ARCHITECT

7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)

MOBILE MODULAR MANAGEMENT CORPORATION

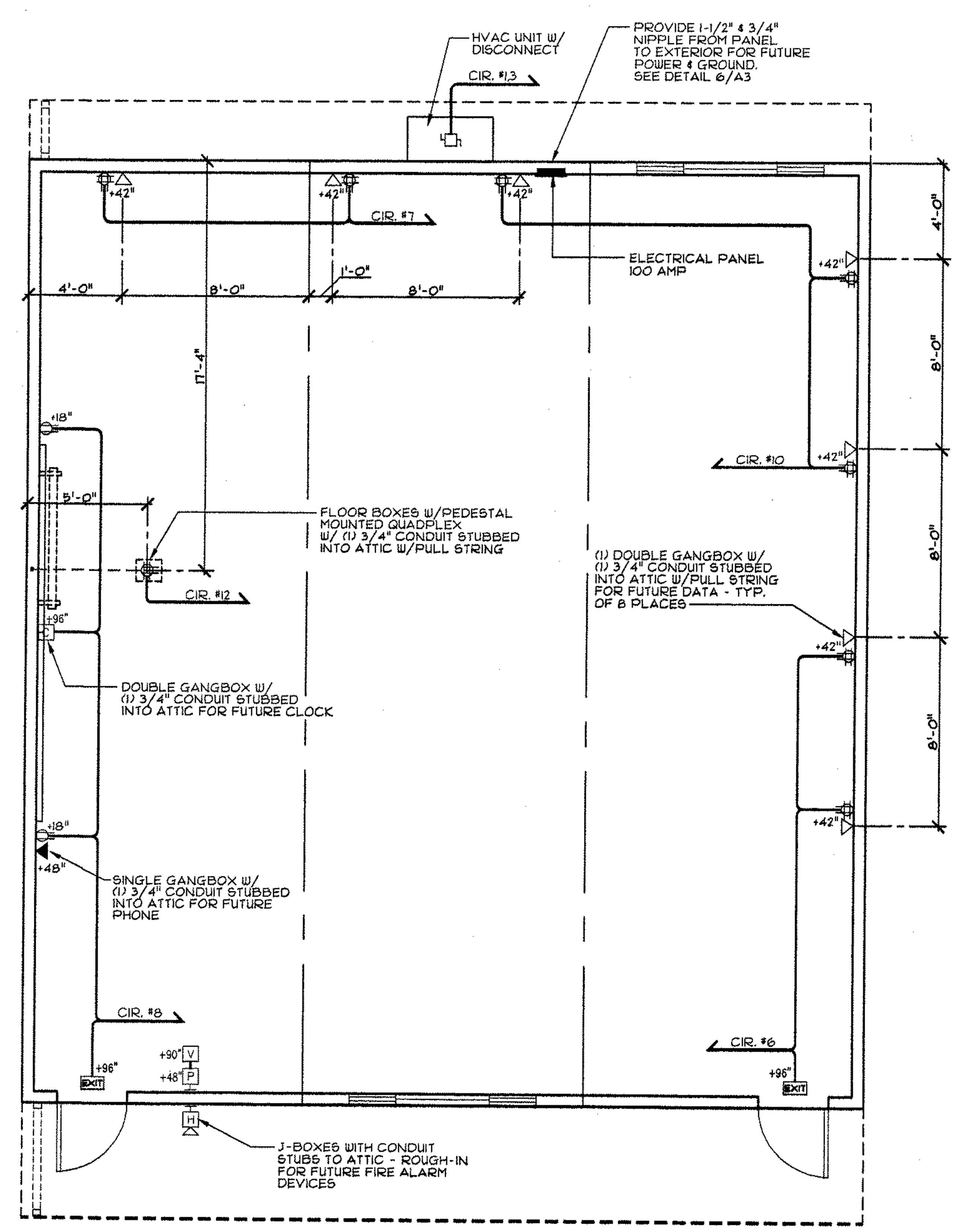
ELECTRICAL LIGHTING PLAN, DETAILS, ELECTRICAL NOTES

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

(A)A3A



NOTE:
NO ALTERATIONS (DRILLING HOLES, ECT.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

8

ELECTRICAL POWER & SIGNAL PLAN

SCALE: 1/4"=1'-0"

- DUPLEX RECEPTACLE @ +15" MIN. A.F.F. (UNLESS OTHERWISE NOTED)
- PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT @ +60" MAX. A.F.F. (NON USER OPERABLE)
- WALL CLOCK W/SINGLE CLOCK RECEPTACLE
- JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)
- WATER PROOF BELL BOX UNDER EAVE @ +9'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION
- JUNCTION BOX @ +48" A.F.F. FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- JUNCTION BOX @ +90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- JUNCTION BOX @ +48" A.F.F. (U.O.N.) FOR FUTURE INTERCOM
- EXTERIOR INCANDESCENT LIGHT FIXTURE @ +96" A.F.F. (U.O.N.)
- S LIGHT SWITCH @ +48" MAX. A.F.F.
- OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)
- OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

ELECTIRCAL LEGEND

PANEL SCHEDULE:
MOUNTING: FLUSH INT. NEMA-1 VOLTS: 120/240
PANEL: 125A PHASE: 1φ
MAIN BREAKER: 100A WIRE: 3W

DESCRIPTION	LOAD	BRKR		A	B		BRKR	LOAD	DESCRIPTION
EXTERIOR HVAC UNIT	7360	80	1			2	20	1200	LIGHTING
	7360	2	3			4	20	1200	LIGHTING
			5			6	20	720	OUTLETS
OUTLETS	720	20	7			8	20	540	OUTLETS
			9			10	20	1080	OUTLETS
			11			12	20	720	FLOOR OUTLETS

LEG A: 10360 W
LEG B: 10540 W
TOTAL: 20900 W 87.08 AMPS

ELECTIRCAL PANEL SCHEDULE

DIVISION OF THE STATE ARCHITECT

7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 14TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1198

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S3310
EXP. 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

ELECTRICAL POWER & SIGNAL PLAN

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

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(A)A3B

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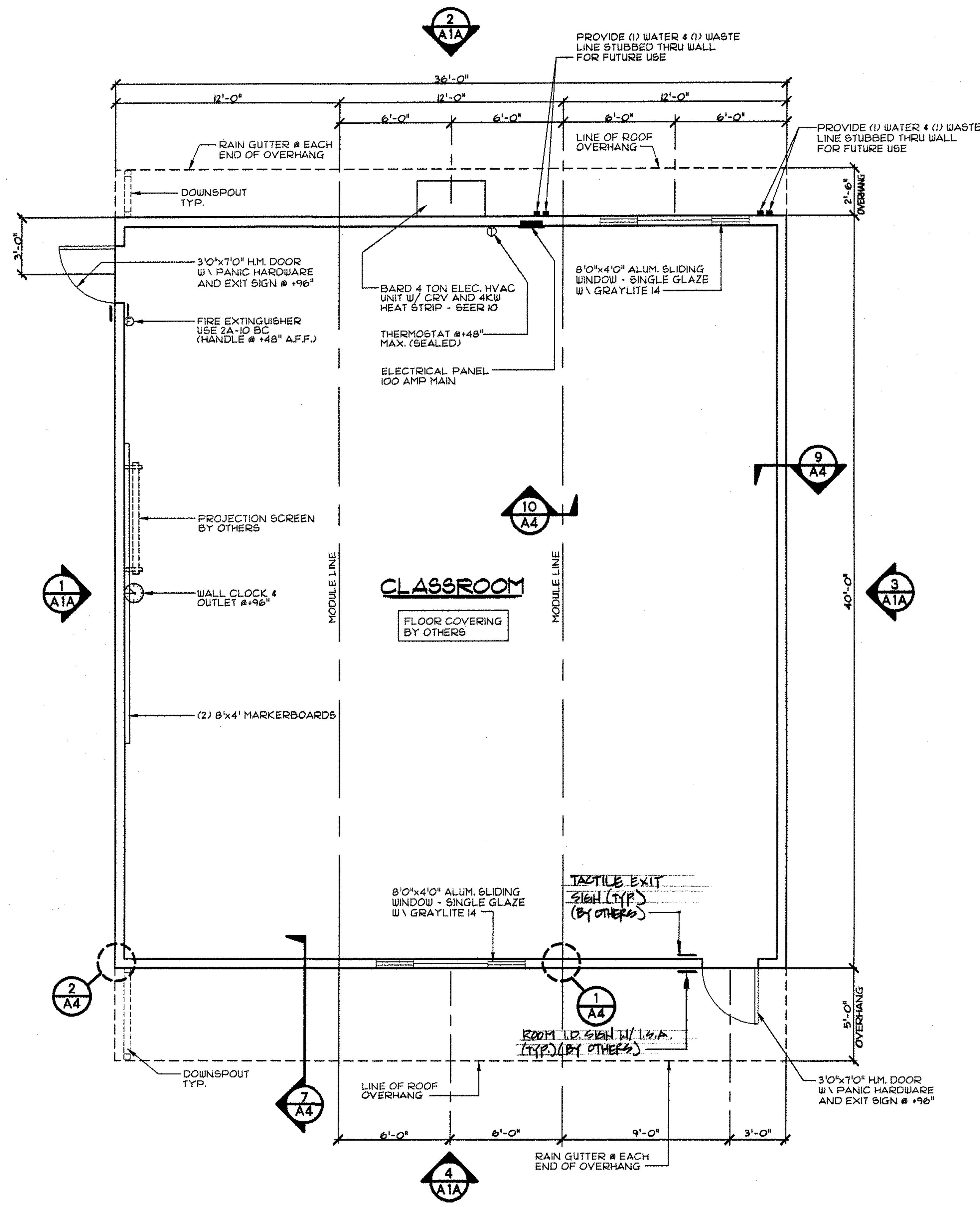

1 FLOOR PLAN
SCALE: 1/4"=1'-0"

1. CARPETS- ALL MODULES SHALL BE CARPETED WITH DIRECT GLUE DOWN TYPE PER STATE OF CALIFORNIA SPECIFICATION 7220-21K-01, GROUP 1, TYPE "A", CLASS 24. THE CARPET DENSITY SHALL BE 4600 MIN. PILE YARN SHALL BE BRANDED NYLON, INSTALLED WITH MINIMAL CROSS SEAMS. COLOR TO BE SELECTED BY OWNER.
2. RESILIENT BASE COVE- BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE.
SOLID COLORS AS MANUFACTURED BY "BURKE RUBBER CO." OR EQUAL.
3. ADHESIVES SHALL BE WATER BASE, SOLVENT BASE NOT ACCEPTABLE. FURNISH AND APPLY PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
4. SEALANT- ROOF & MODULE LINE - POLYURETHANE
SIDING & TRIM - ACRYLIC LATEX
5. PAINT- (EXTERIOR WOOD) PRIMER----------ACRYLIC UNDERCOAT
FINISH----------ACRYLIC LATEX
(METALS)------- PRIMER----------RED OXIDE ALKYD
FINISH----------ACRYLIC LATEX
6. M.D.O. BUILDING, DOOR, & WINDOW TRIM. TRIM SHALL BE SEALED AT ALL EDGES SEALANT. PAINTED TO MATCH TRIM OR SIDING.
EXTERIOR SIDING-8" O.C. GROOVED M.D.O. PLYWOOD OR STUCCO PATTERN FACED EXTERIOR SIDING. (MINIMUM NET THICKNESS 3/8")
7. HOLLOW METAL DOORS AND FRAMES- 3'0" x 7'0" x 1-3/4" 18 GA. FULL FLUSH METAL DOOR IN 16 GA. METAL FRAME.
EXIT DOOR SHALL BE OPENABLE FROM THE INTERIOR WITHOUT A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
WHEN CLOSERS ARE PROVIDED FOR DOORS, CLOSERS SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 5 LBS.
DEADBOLTS NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT USING LEVER HANDLE.
DOOR SWINGS CAN BE RIGHT OR LEFT HAND HINGE.
HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISHED FLOOR. (UNLESS OTHERWISE NOTED)
LOCKSET (LEVER MODEL) SCHLAGE D70PDRHO (RHODES) OR EQUAL (WHERE SPECIFIED ONLY)
LOCKSET (PANIC DEVICE) INTERIOR: PRECISION #1108 OR EQUAL
EXTERIOR: PRECISION #3908A OR EQUAL
CYLINDER: SCHLAGE, YALE, SARGENT OR EQUAL

EXTERIOR HINGES	HAGER BB1279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL
INTERIOR HINGES	HAGER BB1279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL
CLOSER	NORTON 8501BF OR EQUAL
THRESHOLD	PEMKO 271A OR EQUAL
DOOR BOTTOM	PEMKO 216AV OR EQUAL
WEATHERSTRIP	PEMKO 299AV OR EQUAL

8. WINDOWS: CLIMATE ZONES 1, 14, 15 & 16 - "ALL WEATHER" DOUBLE PANE, TINTED, METAL FRAME W/ NFRC RATED U-VALUE = 0.78 AND SHGC = 0.43 ARE REQUIRED
CLIMATE ZONES 2 THROUGH 13 - "ALL WEATHER" SINGLE PANE, TINTED, METAL FRAME W/ NFRC RATED U-VALUE = 1.14 AND SHGC = 0.39 ARE REQUIRED
NOTE: "ALL WEATHER" DOUBLE PANE, TINTED, METAL FRAME WINDOWS DEFINED ABOVE ARE OPTIONAL

ROOFING

METAL ROOF:
PREFINISHED, UNPENETRATED INTERLOCKING, 26 GAGE MIN. GALVANIZED STEEL ROOF PANELS, MECH. CRIMPED STANDING SEAMS OVER SEAL-TITE #15 UNDERLAYMENT OVER 15/32" APA RATED, EXTERIOR GRADE PLYWOOD. (CLASS "B" FIRE RATING)

INSULATION

1. ALL INSULATION (INCLUDING PIPE INSULATION) SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS, CALIFORNIA BUILDING CODE SEC. 707.2, 707.3. & 2606 FOR FOAM. MAX FLAME SPREAD: 25, MAX SMOKE DENSITY: 450
ROOF: CLIMATE ZONES 1, 14, 15 & 16 - R-30 FIBERGLASS BATTS REQUIRED
CLIMATE ZONES 2 THROUGH 13 - R-19 FIBERGLASS BATTS, OPTIONAL R-30
WALLS: CLIMATE ZONES 1, 14, 15 & 16 - R-13 FIBERGLASS BATTS REQUIRED
CLIMATE ZONES 2 THROUGH 13 - R-11 FIBERGLASS BATTS
FLOOR: CLIMATE ZONES 1 THROUGH 16 - 1 1/2" POLYISOCYANURATE RIGID INSULATION (R-6.4 PER INCH OR GREATER)

IDENTIFICATION

NOTE: THE MANUFACTURER SHALL PLACE TWO PERMANENT METAL IDENTIFICATION TAG ON EACH MODULAR BUILDING MECHANICALLY FASTENED TO THE END WALL. THE TAG SHALL SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S SERIAL NUMBER, PLANT INSPECTOR'S IDENTIFICATION MARK AND DESIGN FLOOR AND ROOF LIVE LOAD. PLACE ONE TAG ON EXTERIOR AND, ONE ON THE INTERIOR ABOVE CEILING LINE.

8 MATERIAL SPECIFICATIONS & NOTES

1. SAWN LUMBER GRADED PER WEST COAST LUMBER INSPECTION BUREAU, RULE 17.
2. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR #2, ALL BLOCKING SHALL BE DOUGLAS FIR #3,
3. LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
4. LUMBER MAY BE REJECTED FOR BOXED HEART, EXCESSIVE WARP, TWIST, SPLIT, CHECK, FUNGUS, MOLD, OR ANY REASON PROVIDED BY GRADING RULES.

9 LUMBER NOTES

1. ALL MODULES MAY BE BUILT OPPOSITE HAND FROM THE WAY THEY ARE SHOWN
2. SIDEWALL & ENDWALL ELEVATIONS SHOWN ON THIS SHEET DEPICT NON-BEARING WALLS NOT REQUIRED FOR THE RESISTANCE OF VERTICAL OR LATERAL LOADS.

10 BUILDING AND WALL PANEL OPTIONS

DIVISION OF THE STATE ARCHITECT

7/18/05

APPROVALS

JH Lawder, Inc. Structural Engineers
717 14TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING (STOCK PILE)

MOBILE MODULAR MANAGEMENT CORPORATION

FLOOR PLAN, MATERIAL SPECIFICATIONS, & NOTES

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

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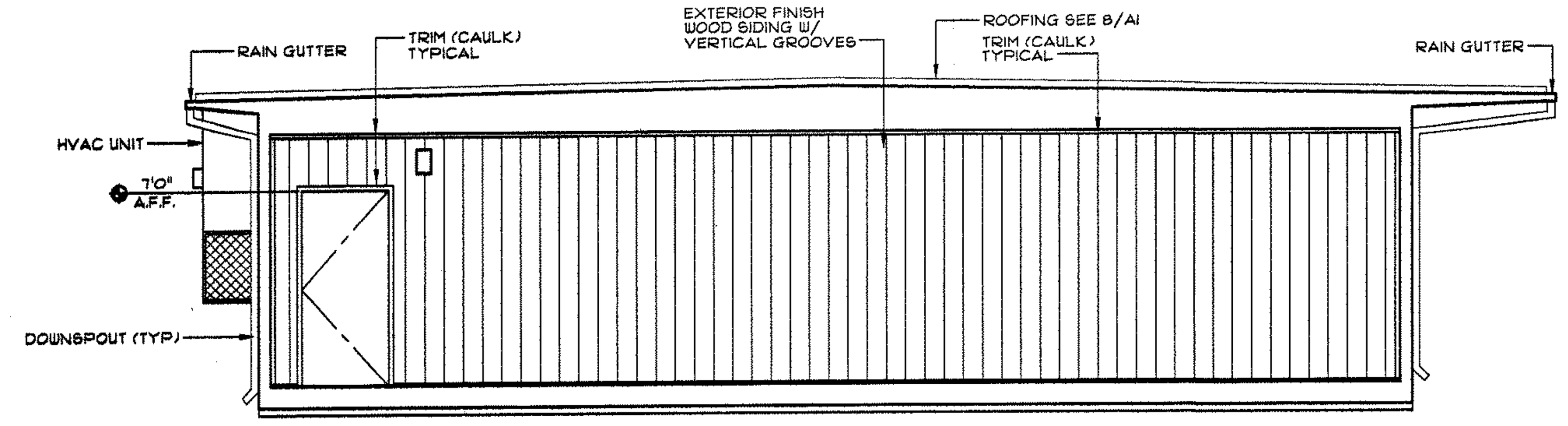
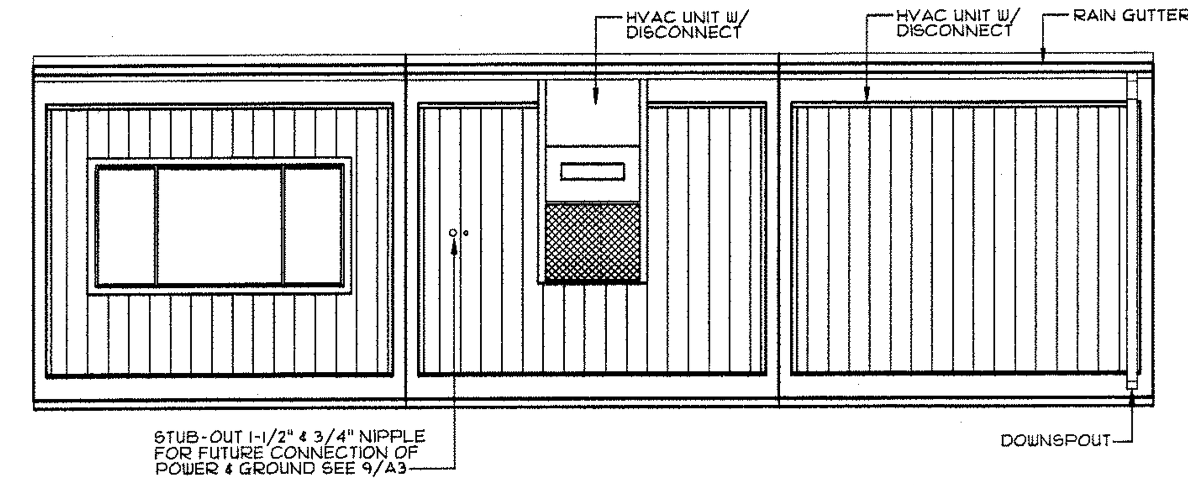
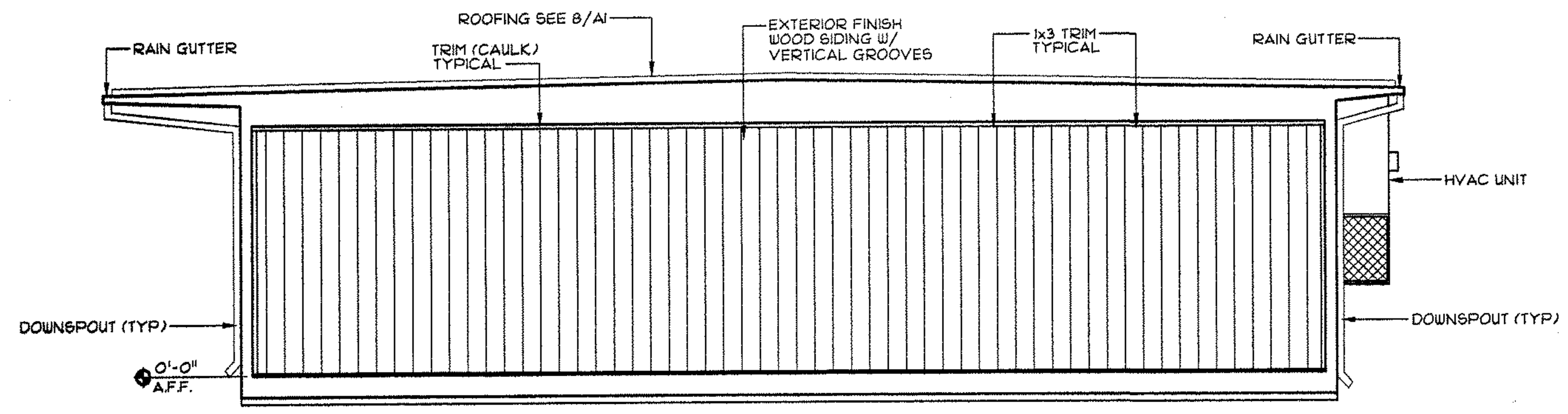
(B)A1



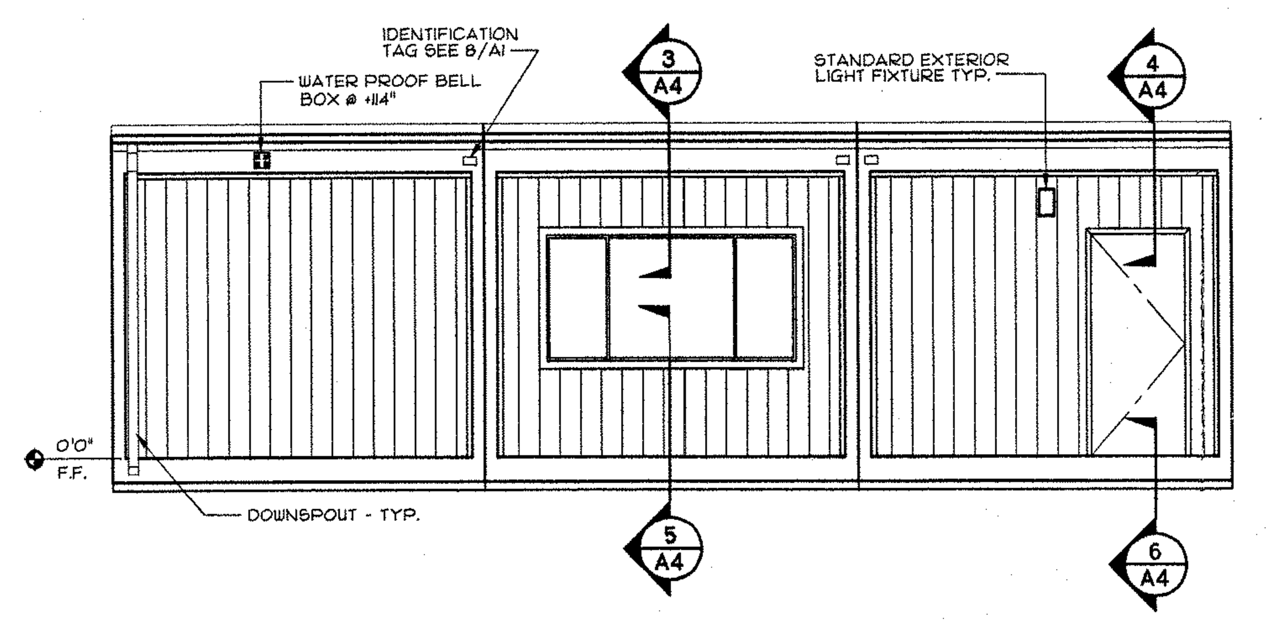
1 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



2 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



3 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



4 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"

5

JH Lawder, Inc.
Structural Engineers
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(209) 521-1143 FAX (209) 521-1186

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ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

EXTERIOR ELEVATIONS

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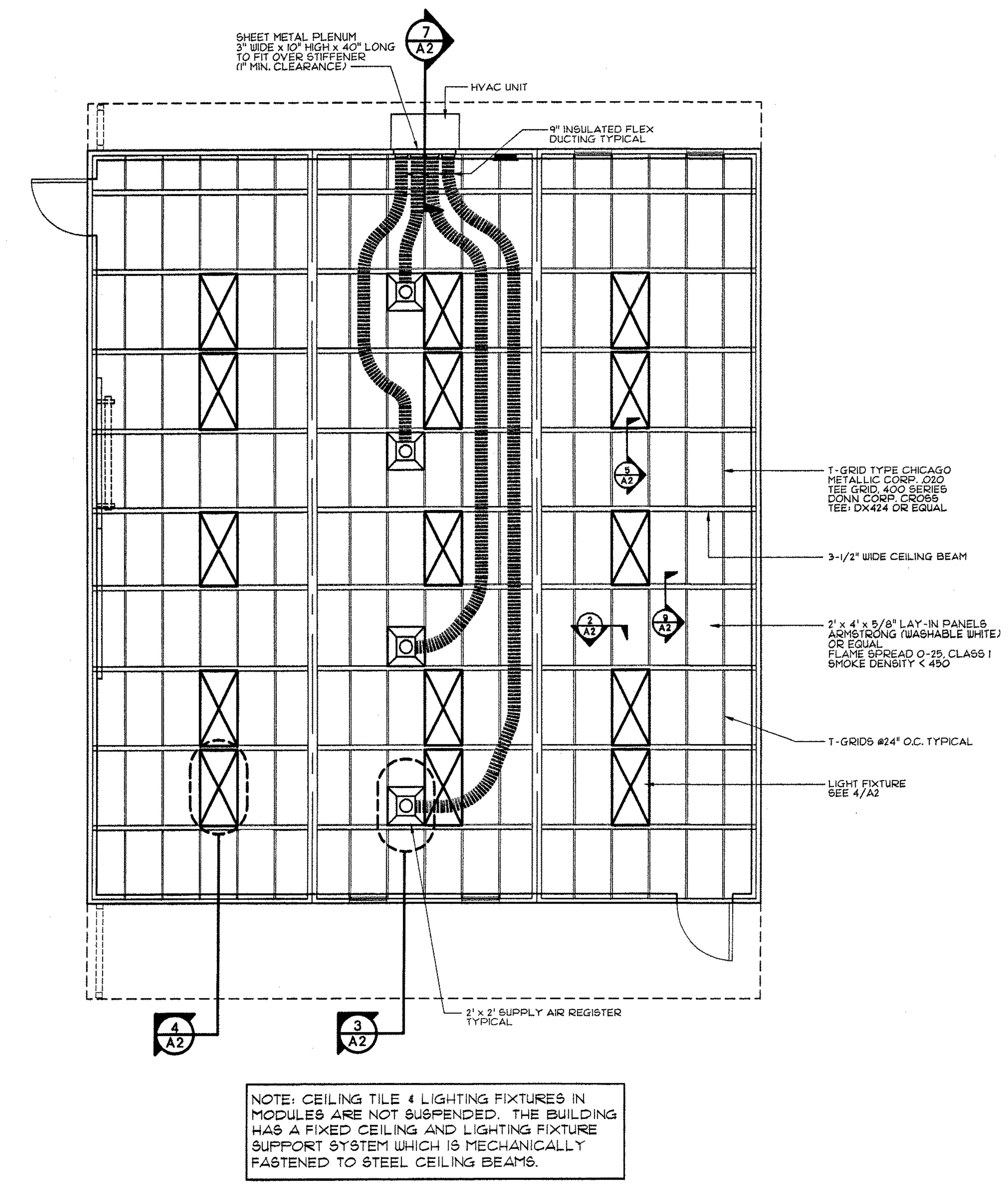
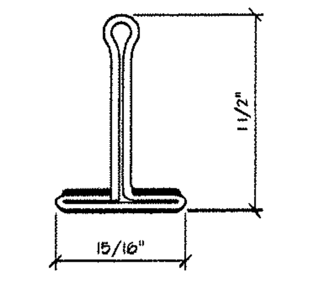
(B)A1A

7/18/05



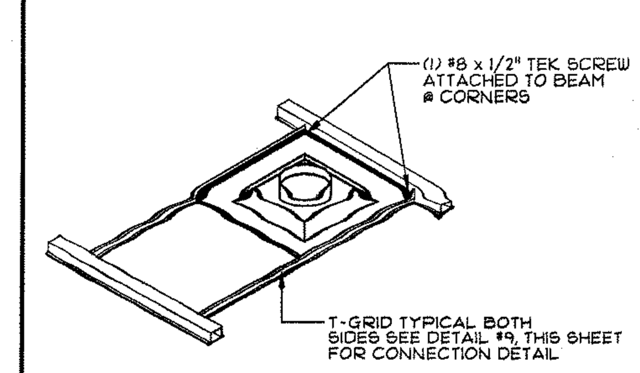
NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

1 "EXTERIOR HVAC" MECHANICAL & REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

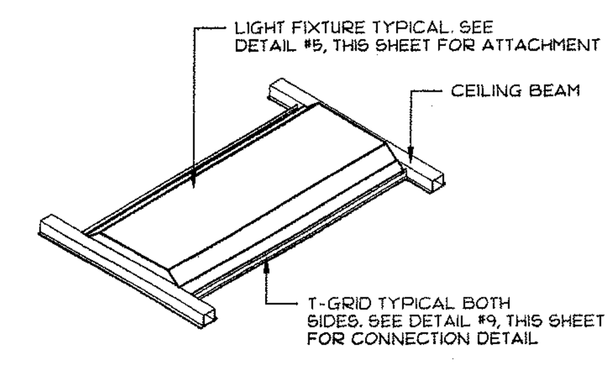


NOTE: T-GRID TO BE DONN CORP. CROSS TEE : DX424 OR CHICAGO METALLIC CORP. .020 TEE GRID, 400 SERIES OR EQUAL.

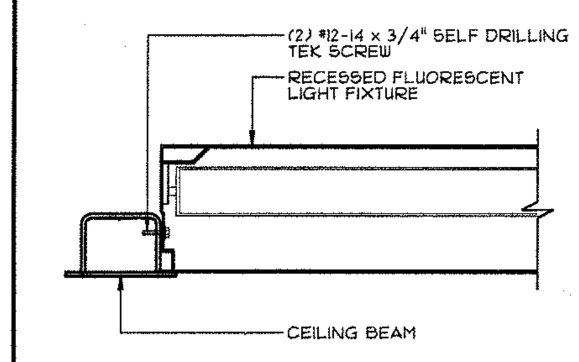
2 TYP. T-GRID SECTION
SCALE: FULL



3 SUPPLY AIR REGISTER
SCALE: 1/2"=1'-0"



4 LAY-IN LIGHT FIXTURE
SCALE: 1/2"=1'-0"



5 LIGHT FIXTURE SUPPORT
SCALE: 3"=1'-0"

I. EXTERIOR HEAT PUMP
SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD WH48A05VX4 (OR EQUAL)

WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 39,406 BTU HR (95°F) HEATING 43,000 BTU HR (47°F)
E) WEIGHT: 510# MAX

IA. INTERIOR HEAT PUMP
SINGLE PACKAGE FLOOR & WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD QH42A05VPXD (OR EQUAL)

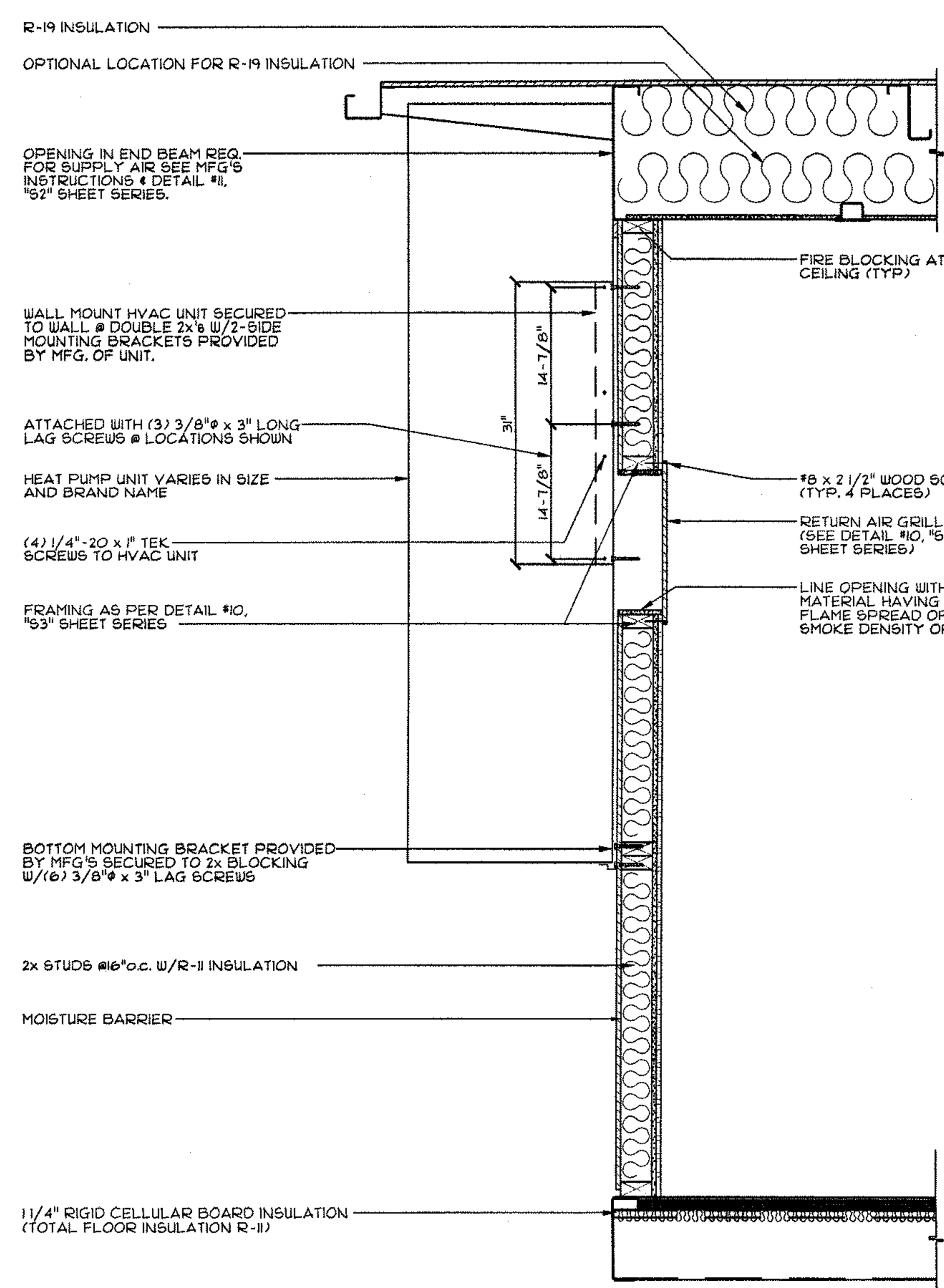
WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 40,000 BTU HR (95°F) HEATING 38,000 BTU HR (47°F)
E) WEIGHT: 530# MAX

AIR FILTERS:
AN APPROVED TYPE TESTED IN ACCORDANCE WITH TEST METHODS SFM-12-71-AS SHOWN IN PART 12. TITLE 24. CALIFORNIA CODE OF REGULATIONS. PREFORMED FILTERS HAVING COMBUSTABLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS IN ALL OCCUPANCIES SHALL BE CLASS 2 OR BETTER. AS DEFINED IN THE TEST METHOD ABOVE. AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT.

2. CONTROLS:
THERMOSTAT: WHITE-ROGERS 92371 OR 90371 DIGITAL (TAMPER PROOF). MAX. +60" FROM FLOOR (+48" MAX IF NON-SEALED TYPE).

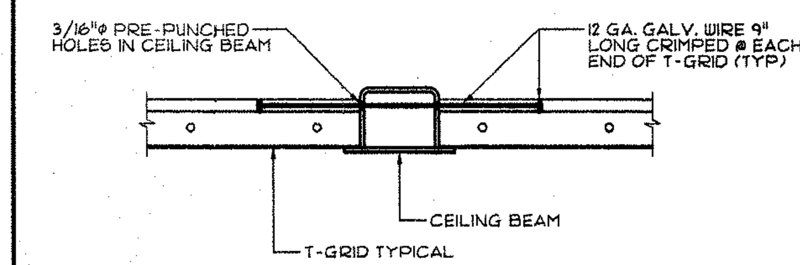
3. DUCTS: MAY BE CLASS "1" OR "O"
FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARDS NO. 6-1. EACH PORTION OF A FACTORY MADE AIR DUCT SYSTEM SHALL BE INDENTIFIED BY THE MANUFACTURER WITH A LABLE OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE W/UMC STANDARD NO. 6-1 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THIER LISTING. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDING SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVE AS NORMALLY APPLIED. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50

8 HVAC SPECIFICATIONS

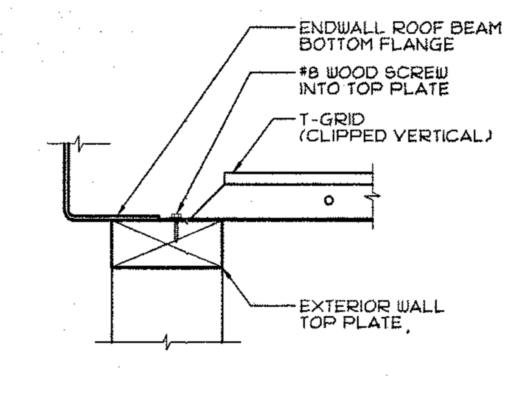


NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

7 HVAC UNIT WALL ATTACHMENT DETAIL
SCALE: 1"=1'-0"



9 T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"



10 T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"

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APPROVALS

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ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

"EXTERIOR HVAC UNIT"
MECHANICAL & REFLECTED CEILING PLANS,HVAC WALL ATTACH., DETAILS, HVAC SPECIFICATIONS

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

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(B)A2

1. FIRE ALARM: FURNISHED BY OWNER AND SHALL CONFORM TO THE CALIFORNIA BUILDING CODE SECTION 305.9 AND CALIFORNIA ELECTRICAL CODE ARTICLE 760.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY D.S.A.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE PROJECT INSPECTOR.

2 FIRE PROTECTION

- DUPLEX RECEPTACLE @+15" MIN. A.F.F. (UNLESS OTHERWISE NOTED)
- PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT @+60" MAX. A.F.F. (NON USER OPERABLE)
- WALL CLOCK W/SINGLE CLOCK RECEPTACLE
- J — JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)
- H — WATER PROOF BELL BOX UNDER EAVE @+9'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION
- P — JUNCTION BOX @+48" A.F.F. FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- V — JUNCTION BOX @+90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- I — JUNCTION BOX @+48" A.F.F. (U.O.N.) FOR FUTURE INTERCOM
- EXTERIOR INCANDESCENT LIGHT FIXTURE @ +96" A.F.F. (U.O.N.)
- S — LIGHT SWITCH @+48" MAX. A.F.F.
- HT — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)
- S — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

1. WALL CLOCK:
12"ø CLOCK WITH "EAGLE" CLOCK RECEPTACLE
115 VAC. "R&H" INC. (OR EQUAL.)
2. ELECTRICAL PANEL:
FLUSH MOUNTED W/ HINGED DOORS AND INDEXED CARD HOLDERS
CIRCUIT BREAKER(S) WILL HAVE AN APPROPRIATE UL. LABEL LISTING.
3. RECEPTACLES:
"LEVITON", "HUBBEL" (OR EQUAL)
4. LIGHT SWITCHES:
"LEVITON", "HUBBEL" (OR EQUAL)
5. LIGHTING FIXTURE:
2' x 4' FLUORESCENT LAY-IN TYPE FIXTURES, T-8 W/ ELECTRONIC BALLASTS & 32 WATT LAMPS "COOPER", "LITHONIA" (OR EQUAL) MAXIMUM OF (4) LAMPS AND 128 INPUT WATTS PER FIXTURE.
6. ELECTRIC METALLIC TUBING:
COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED.
7. CONDUCTORS:
COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6 TYPE THW FOR LARGER SIZES. MINIMUM SIZE #12. LIGHTING & OUTLETS USE MINIMUM SIZE #12, SIZE HVAC WIRING PER LOAD.
8. SEE SHEET A2 FOR HVAC & THERMOSTAT SPECIFICATION.
9. SUPPLEMENTAL ELECTRICAL POWER SYSTEM (OPTIONAL):
"UNI-SOLAR" PHOTOVOLTAIC LAMINATE (PVL) SOLAR ELECTRIC ROOF PANELS. FACTORY OR FIELD INSTALLED IN 18'-0" LONG x 15" WIDE x 0.12" THICK FLEXIBLE SHEETS (WT. = 0.75 P.S.F.). ADHESIVE BONDED TO GALV. STANDING SEAM METAL ROOF PANS.
SOLAR ELECTRIC SYSTEM SHALL BE INSTALLED WITH ALL NECESSARY COMPONENTS AND EQUIPMENT TO GENERATE SUPPLEMENTAL ELECTRICAL POWER (FLEXIBLE SOLAR PANELS, WIRING, CONDUIT/WIRE WAYS, DISCONNECTS, INVERTER, AND OPTIONAL BATTERY BACKUP, ETC.)
10. ILLUMINATED EXIT SIGNS AND EMERGENCY LIGHT FIXTURES:
IF REQUIRED BY CODE, SHALL BE PROVIDED IN COMPLIANCE W/ C.B.C. 1003.2.8 & 1003.2.9

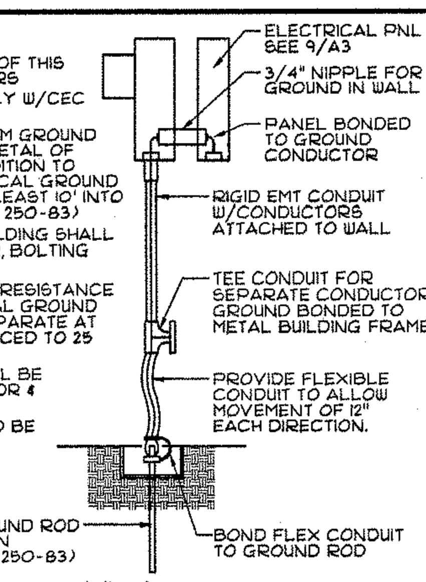
3 ELECTRICAL SPECIFICATIONS

1. CERTIFIED LUMINARIES/BALLASTS.
2. INDEPENDENT CONTROL WITHIN ENCLOSED AREAS.
3. MANUAL SWITCHING READILY ACCESSIBLE.
4. REDUCTION OF LIGHTING LOAD TO AT LEAST 50%.
5. SEPARATE SWITCHING OF DAYLITE AREAS.
6. TANDEM WIRING OF (4) LAMP LUMINARIES.

4 ELECTRICAL LEGEND

5 ELECTRICAL ENERGY COMPLIANCE

NOTES:
1. METER AND GROUND ARE NOT PART OF THIS CONTRACT TO BE PROVIDED BY OTHERS
2. SIZE OF CONDUCTORS SHALL COMPLY W/CEC TABLE 250-95
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL OF BUILDING FRAME (CEC. 250-81) IN ADDITION TO THE DETAIL SHOWN BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (C.E.C. 250-81 & 250-83)
4. ALL MODULES OF METAL FRAME BUILDING SHALL BE ELECTRICALLY BONDED TOGETHER, BOLTING ONLY IS NOT ACCEPTABLE BONDING.
5. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS W/ CONDUCTORS AS SHOWN, SEPARATE AT LEAST 6'0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (C.E.C. 250-84
6. ELECTRICAL GROUNDING TEST SHALL BE WITNESSED BY THE PROJECT INSPECTOR & RESULTS SENT TO D.S.A..
7. GROUND ROD GROUNDING CLAMP TO BE BUSHING RATED FOR 3 CONNECTIONS



NOTE: GROUND TO BE PROVIDED BY OTHERS

6 ELECTRICAL GROUND

7

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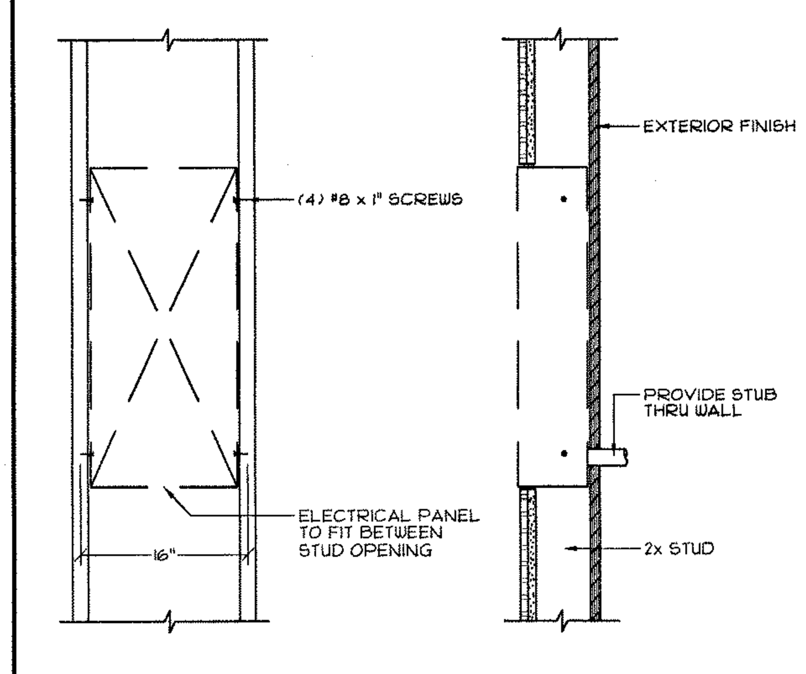

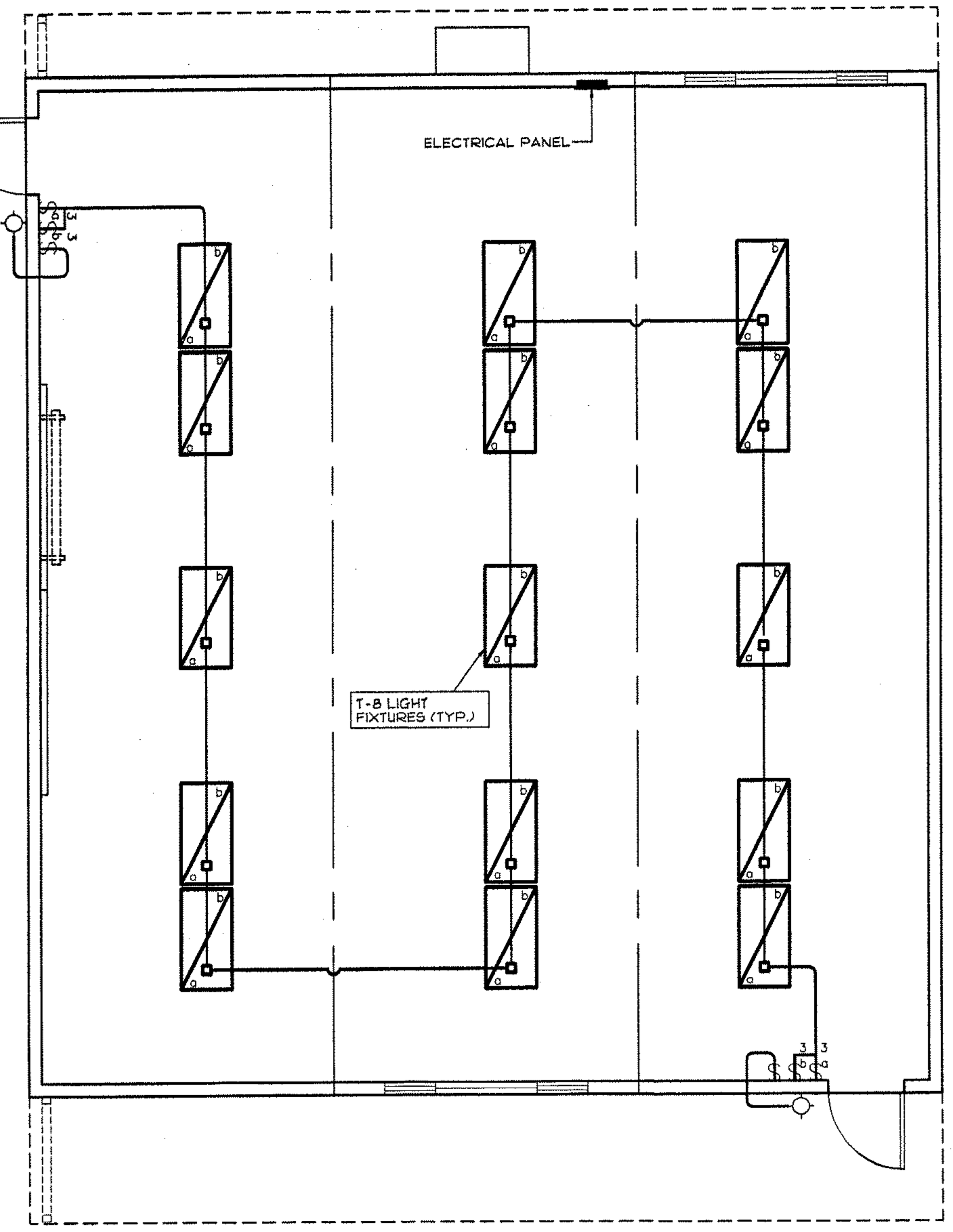

NOTE:
NO ALTERATIONS (DRILLING HOLES, ECT.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

8 ELECTRICAL LIGHTING PLAN
SCALE: 1/4"=1'-0"

9 ELECTRICAL PANEL INSTALLATION
SCALE: 1"=1'-0"

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 18TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

ELECTRICAL LIGHTING PLAN, DETAILS, ELECTRICAL NOTES

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

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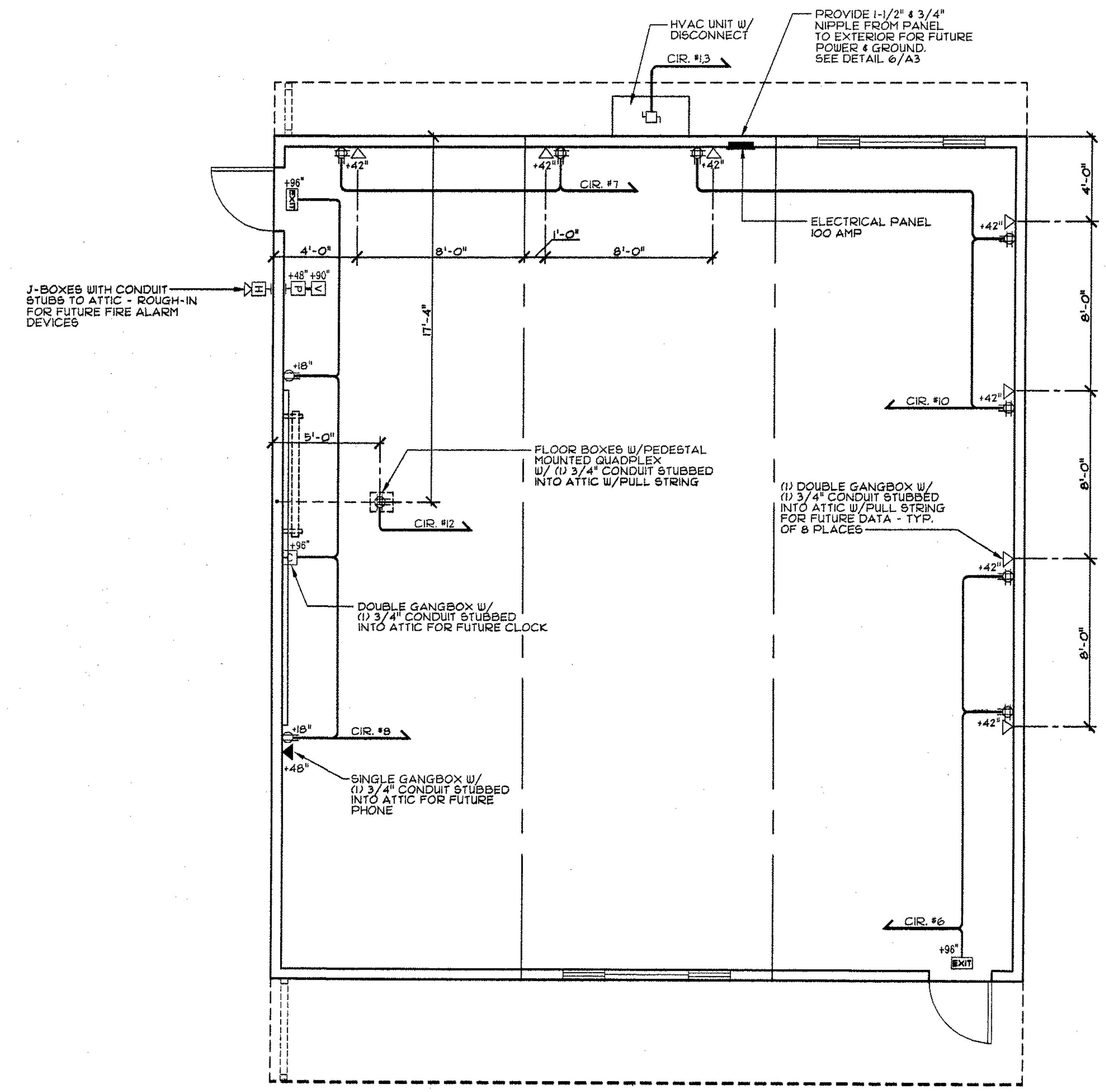

NOTE:
NO ALTERATIONS (DRILLING HOLES, ECT.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

8

ELECTRICAL POWER & SIGNAL PLAN
SCALE: 1/4"=1'-0"

ELECTIRCAL LEGEND

⊖=	DUPLEX RECEPTACLE @+15" MIN. A.F.F. (UNLESS OTHERWISE NOTED)
Ⓣ	PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT @+60" MAX. A.F.F. (NON USER OPERABLE)
	WALL CLOCK W/SINGLE CLOCK RECEPTACLE
J	JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)
H	WATER PROOF BELL BOX UNDER EAVE @+9'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION
P	JUNCTION BOX @+48" A.F.F. FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
V	JUNCTION BOX @+90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
I	JUNCTION BOX @+48" A.F.F. (U.O.N.) FOR FUTURE INTERCOM
	EXTERIOR INCANDESCENT LIGHT FIXTURE @ +96" A.F.F. (U.O.N.)
S	LIGHT SWITCH @+48" MAX. A.F.F.
HT	OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)
S	OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

ELECTIRCAL PANEL SCHEDULE

PANEL SCHEDULE:
MOUNTING: FLUSH INT. NEMA-1 VOLTS: 120/240
PANEL: 125A PHASE: 1φ
MAIN BREAKER: 100A WIRE: 3W

DESCRIPTION	LOAD	BRKR		A B		BRKR	LOAD	DESCRIPTION
EXTERIOR HVAC UNIT	7360	80/	1		2	20/1	1200	LIGHTING
	7360	/2	3		4	20/1	1200	LIGHTING
			5		6	20/1	720	OUTLETS
OUTLETS	720	20/1	7		8	20/1	540	OUTLETS
			9		10	20/1	1080	OUTLETS
			11		12	20/1	720	FLOOR OUTLETS

LEG A: 10360 W
LEG B: 10540 W
TOTAL: 20900 W 87.08 AMPS

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Zone 7/18/05

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Structural Engineers
717 14TH STREET MODESTO, CA 95354
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STATE OF CALIFORNIA

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RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

ELECTRICAL POWER & SIGNAL PLAN

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

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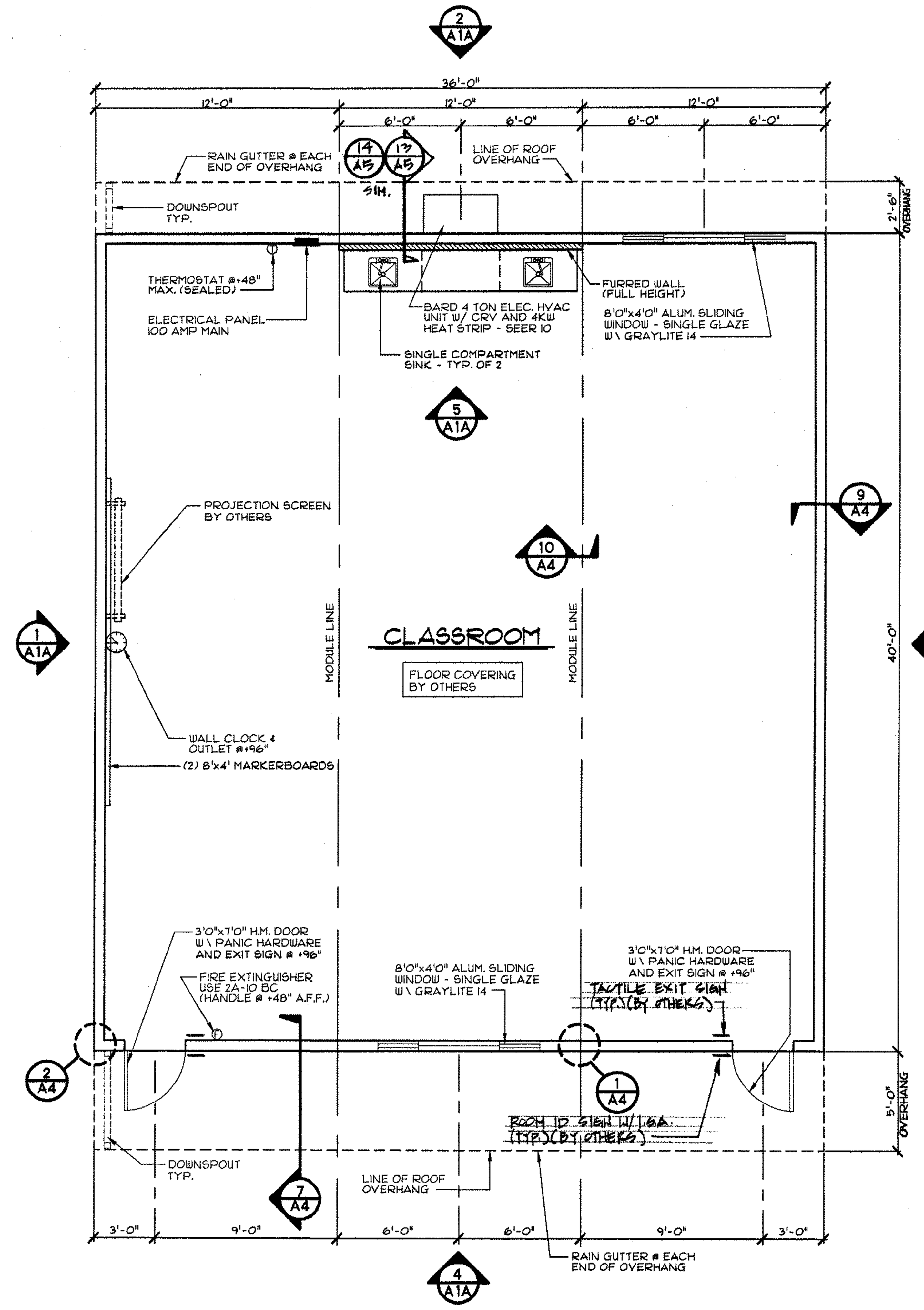
(B)A3B



1 FLOOR PLAN
SCALE: 1/4"=1'-0"

1. CARPETS- ALL MODULES SHALL BE CARPETED WITH DIRECT GLUE DOWN TYPE PER STATE OF CALIFORNIA SPECIFICATION 7220-21C-01, GROUP 1, TYPE "A", CLASS 24. THE CARPET DENSITY SHALL BE 4600 MIN. PILE YARN SHALL BE BRANDED NYLON, INSTALLED WITH MINIMAL CROSS SEAMS. COLOR TO BE SELECTED BY OWNER.
2. RESILIENT BASE COVE- BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE. SOLID COLORS AS MANUFACTURED BY "BURKE RUBBER CO." OR EQUAL.
3. ADHESIVES SHALL BE WATER BASE, SOLVENT BASE NOT ACCEPTABLE. FURNISH AND APPLY PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
4. SEALANT- ROOF & MODULE LINE - POLYURETHANE
   SIDING & TRIM - ACRYLIC LATEX
5. PAINT- (EXTERIOR WOOD) PRIMER---------ACRYLIC UNDERCOAT
   FINISH----------ACRYLIC LATEX
   (METALS)------- PRIMER---------RED OXIDE ALKYD
   FINISH----------ACRYLIC LATEX
6. M.D.O. BUILDING, DOOR, & WINDOW TRIM. TRIM SHALL BE SEALED AT ALL EDGES SEALANT. PAINTED TO MATCH TRIM OR SIDING.
   EXTERIOR SIDING-8" O.C. GROOVED M.D.O. PLYWOOD OR STUCCO PATTERN FACED EXTERIOR SIDING. (MINIMUM NET THICKNESS 3/8")
7. HOLLOW METAL DOORS AND FRAMES- 3'0" x 7'0" x 1-3/4" 18 GA. FULL FLUSH METAL DOOR IN 16 GA. METAL FRAME.
   EXIT DOOR SHALL BE OPENABLE FROM THE INTERIOR WITHOUT A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
   WHEN CLOSERS ARE PROVIDED FOR DOORS, CLOSERS SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 5 LBS.
   DEADBOLTS NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT USING LEVER HANDLE.
   DOOR SWINGS CAN BE RIGHT OR LEFT HAND HINGE.
   HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISHED FLOOR. (UNLESS OTHERWISE NOTED)
   LOCKSET (LEVER MODEL) SCHLAGE D70PDRHO (RHODES) OR EQUAL (WHERE SPECIFIED ONLY)
   LOCKSET (PANIC DEVICE) INTERIOR: PRECISION #1108 OR EQUAL
   EXTERIOR: PRECISION #3908A OR EQUAL
   CYLINDER: SCHLAGE, YALE, SARGENT OR EQUAL
   EXTERIOR HINGES -------- HAGER BB279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL
   INTERIOR HINGES -------- HAGER BB279 N.R.P. 4-1/2" x 4-1/2" OR EQUAL
   CLOSER------------------ NORTON 8501BF OR EQUAL
   THRESHOLD--------------- PEMKO 271A OR EQUAL
   DOOR BOTTOM------------- PEMKO 216AV OR EQUAL
   WEATHERSTRIP------------ PEMKO 297AV OR EQUAL
8. WINDOWS- CLIMATE ZONES 1, 14, 15 & 16 - "ALL WEATHER" DOUBLE PANE, TINTED, METAL FRAME W/ NFRC RATED U-VALUE = 0.78 AND SHGC = 0.43 ARE REQUIRED
   CLIMATE ZONES 2 THROUGH 13 - "ALL WEATHER" SINGLE PANE, TINTED, METAL FRAME W/ NFRC RATED U-VALUE = 1.14 AND SHGC = 0.39 ARE REQUIRED
   NOTE: "ALL WEATHER" DOUBLE PANE, TINTED, METAL FRAME WINDOWS DEFINED ABOVE ARE OPTIONAL

ROOFING
METAL ROOF:
PREFINISHED, UNPENETRATED INTERLOCKING, 26 GAGE MIN. GALVANIZED STEEL ROOF PANELS, MECH. CRIMPED STANDING SEAMS OVER SEAL-TITE #15 UNDERLAYMENT OVER 15/32" APA RATED, EXTERIOR GRADE PLYWOOD. (CLASS "B" FIRE RATING)

INSULATION
1. ALL INSULATION (INCLUDING PIPE INSULATION) SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS, CALIFORNIA BUILDING CODE SEC. 707.2, 707.3, & 2606 FOR FOAM. MAX FLAME SPREAD: 25, MAX SMOKE DENSITY: 450
ROOF: CLIMATE ZONES 1, 14, 15 & 16 - R-30 FIBERGLASS BATTS REQUIRED
CLIMATE ZONES 2 THROUGH 13 - R-19 FIBERGLASS BATTS, OPTIONAL R-30
WALLS: CLIMATE ZONES 1, 14, 15 & 16 - R-13 FIBERGLASS BATTS REQUIRED
CLIMATE ZONES 2 THROUGH 13 - R-11 FIBERGLASS BATTS
FLOOR: CLIMATE ZONES 1 THROUGH 16 - 1 1/2" POLYISOCYANURATE RIGID INSULATION (R-6.4 PER INCH OR GREATER)

IDENTIFICATION
NOTE: THE MANUFACTURER SHALL PLACE TWO PERMANENT METAL IDENTIFICATION TAG ON EACH MODULAR BUILDING MECHANICALLY FASTENED TO THE END WALL. THE TAG SHALL SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S SERIAL NUMBER, PLANT INSPECTOR'S IDENTIFICATION MARK AND DESIGN FLOOR AND ROOF LIVE LOAD. PLACE ONE TAG ON EXTERIOR AND, ONE ON THE INTERIOR ABOVE CEILING LINE.

8 MATERIAL SPECIFICATIONS & NOTES

1. SAWN LUMBER GRADED PER WEST COAST LUMBER INSPECTION BUREAU, RULE 17.
2. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR #2.
   ALL BLOCKING SHALL BE DOUGLAS FIR #3.
3. LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
4. LUMBER MAY BE REJECTED FOR BOXED HEART, EXCESSIVE WARP, TWIST, SPLIT, CHECK, FUNGUS, MOLD, OR ANY REASON PROVIDED BY GRADING RULES.

9 LUMBER NOTES

1. ALL MODULES MAY BE BUILT OPPOSITE HAND FROM THE WAY THEY ARE SHOWN
2. SIDEWALL & ENDWALL ELEVATIONS SHOWN ON THIS SHEET DEPICT NON-BEARING WALLS NOT REQUIRED FOR THE RESISTANCE OF VERTICAL OR LATERAL LOADS.

10 BUILDING AND WALL PANEL OPTIONS

DIVISION OF THE STATE ARCHITECT

ZonG TH SPP
7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1188

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)

MOBILE MODULAR MANAGEMENT CORPORATION

FLOOR PLAN,
MATERIAL SPECIFICATIONS,
& NOTES

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

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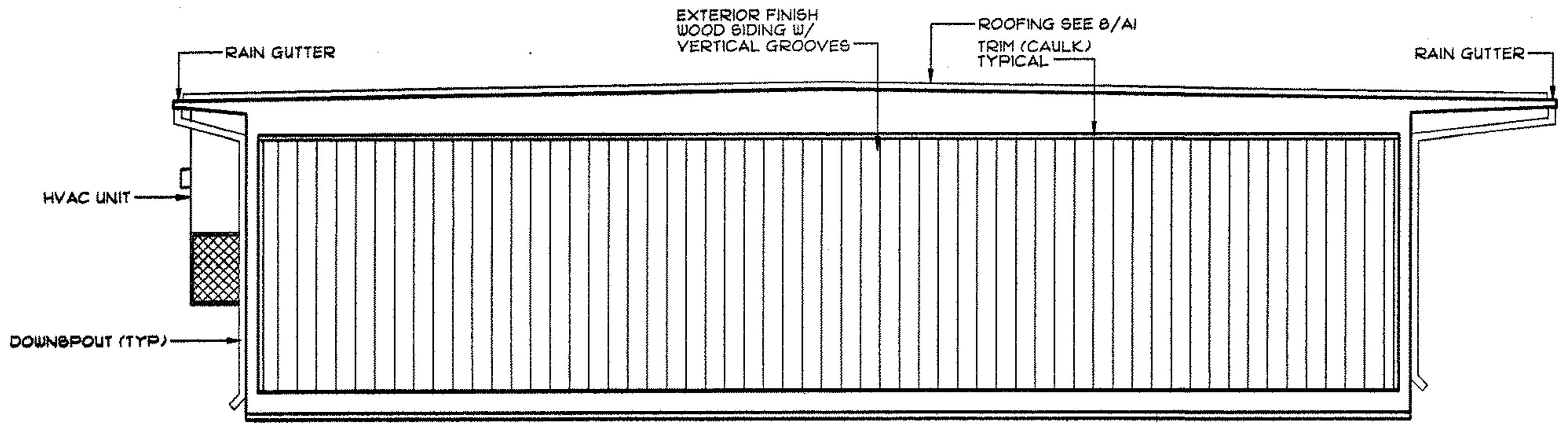
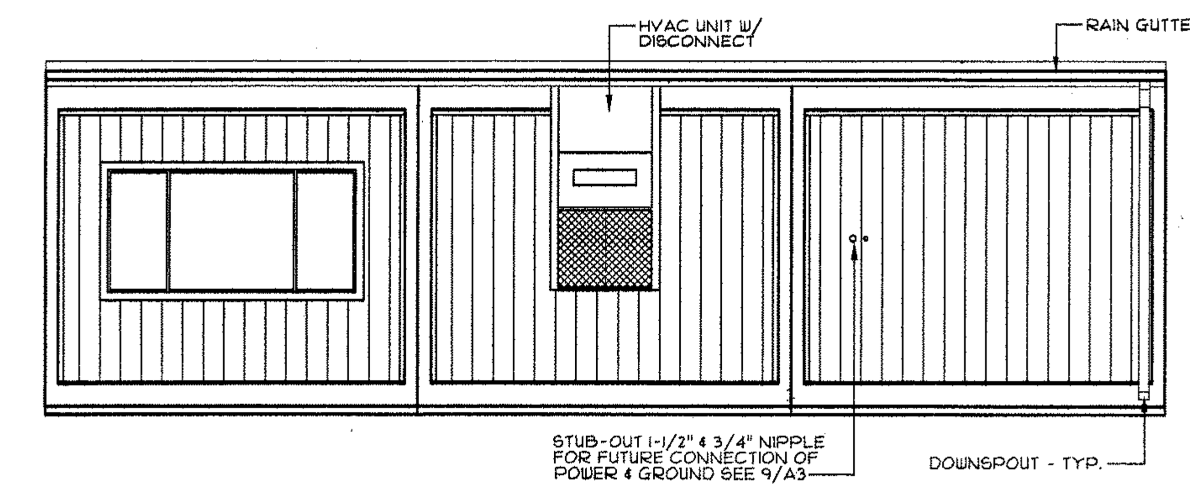
(C)A1

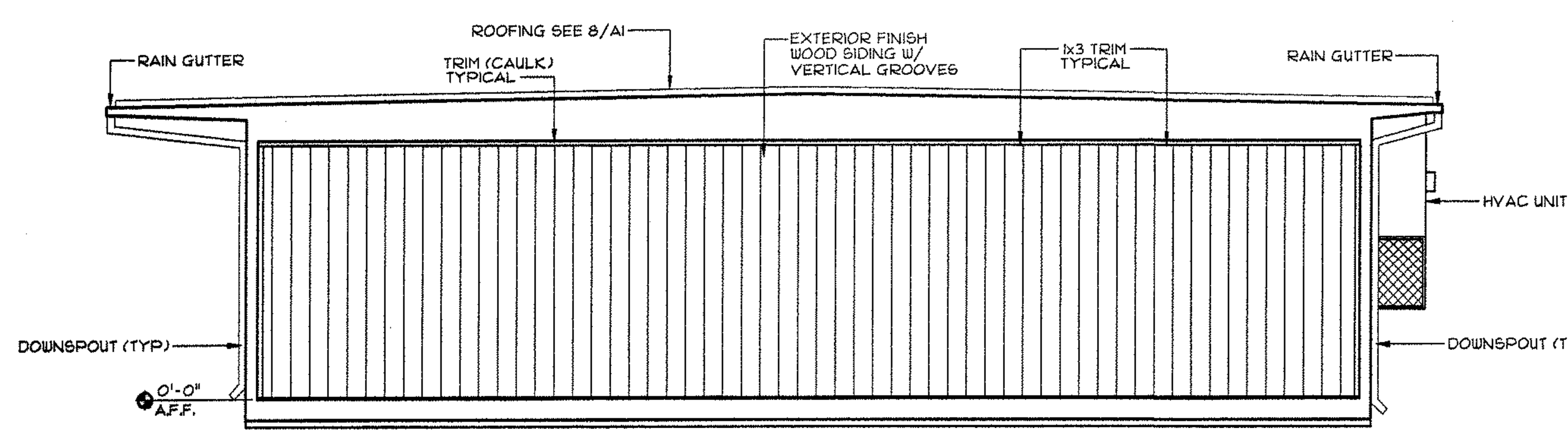
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



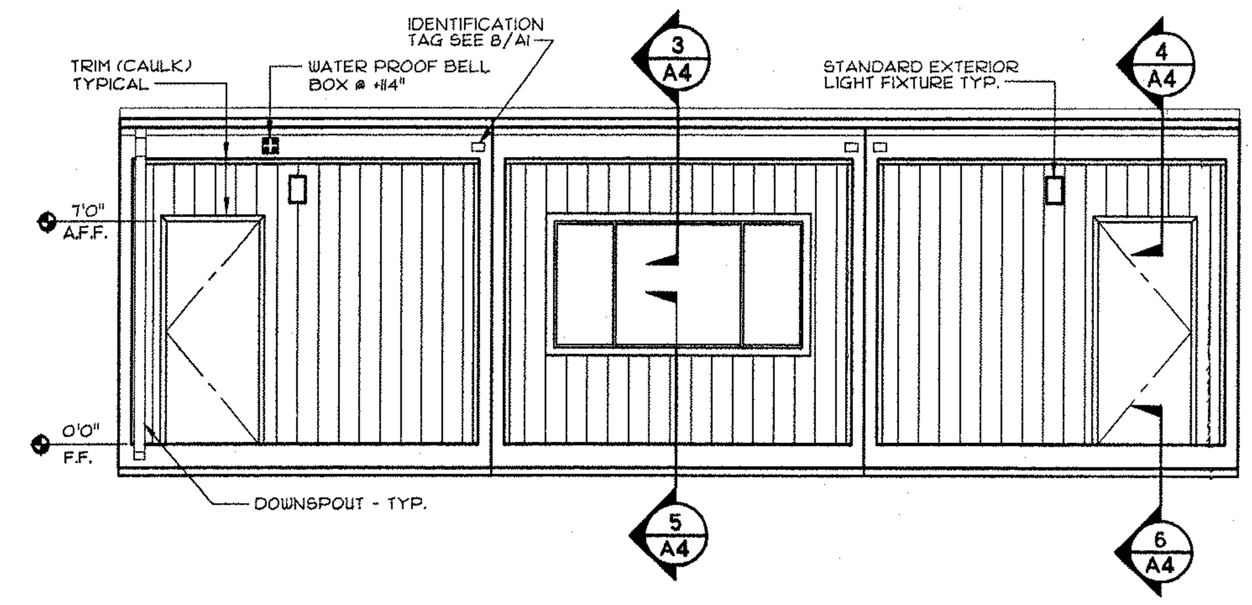
1 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



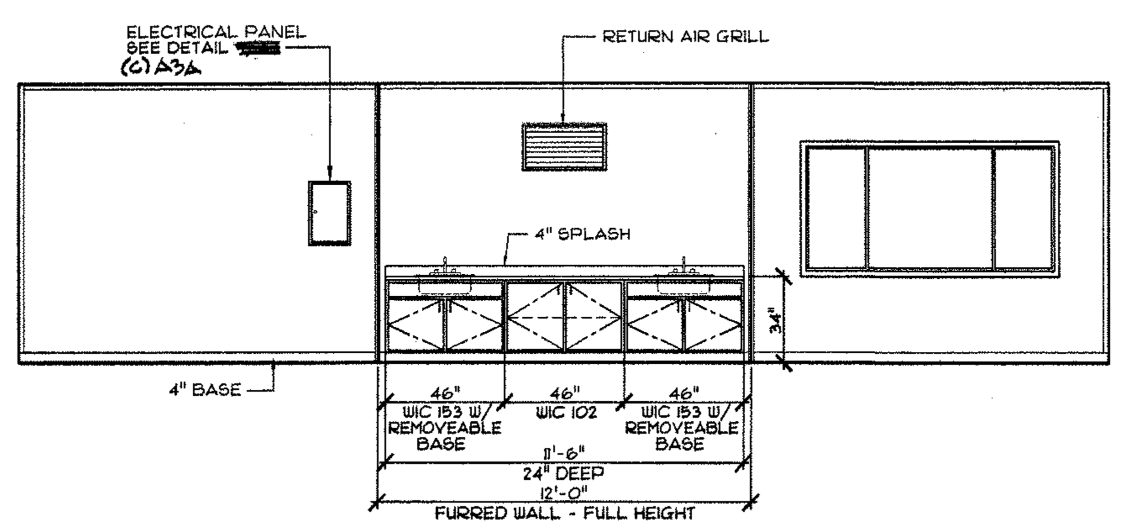
2 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



3 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



4 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



5 INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

ZOG 7/15/05 SPP

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1166

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

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ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

EXTERIOR ELEVATIONS
& INTERIOR ELEVATIONS

REV / DATE:	BY:

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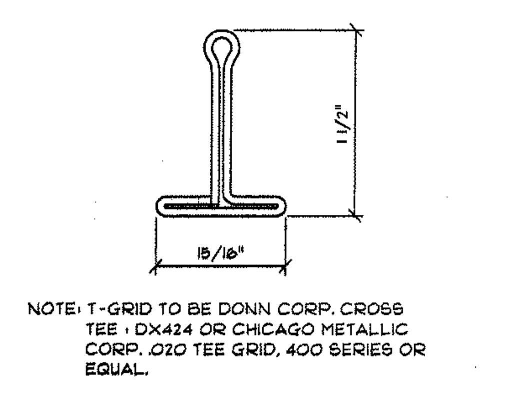
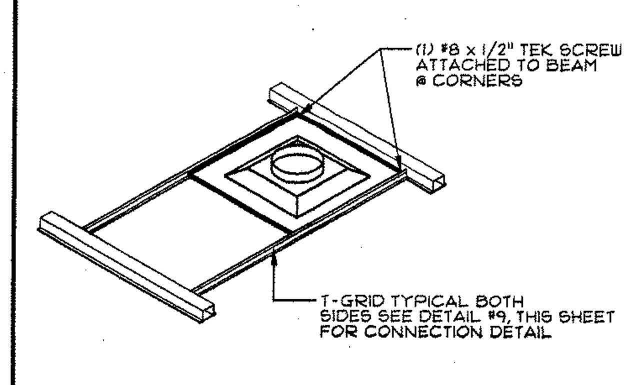
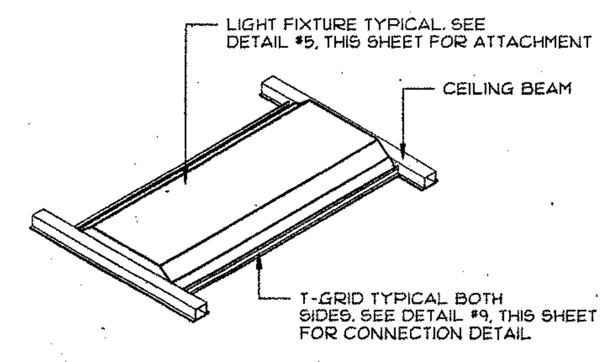


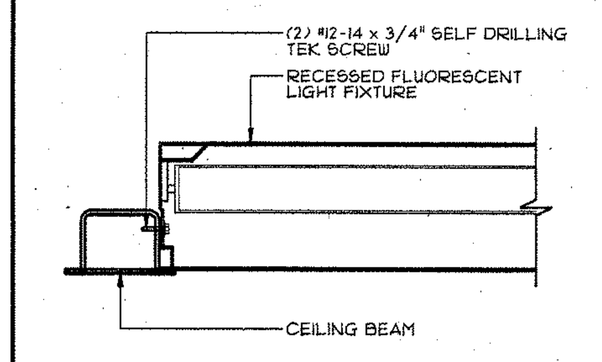
2 TYP. T-GRID SECTION
SCALE: FULL



3 SUPPLY AIR REGISTER
SCALE: 1/2"=1'-0"



4 LAY-IN LIGHT FIXTURE
SCALE: 1/2"=1'-0"



5 LIGHT FIXTURE SUPPORT
SCALE: 3"=1'-0"

I. EXTERIOR HEAT PUMP
SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD WH484A05VX4 (OR EQUAL)
WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 39,406 BTU HR (95°F) HEATING 43,000 BTU HR (47°F)
E) WEIGHT: 510# MAX

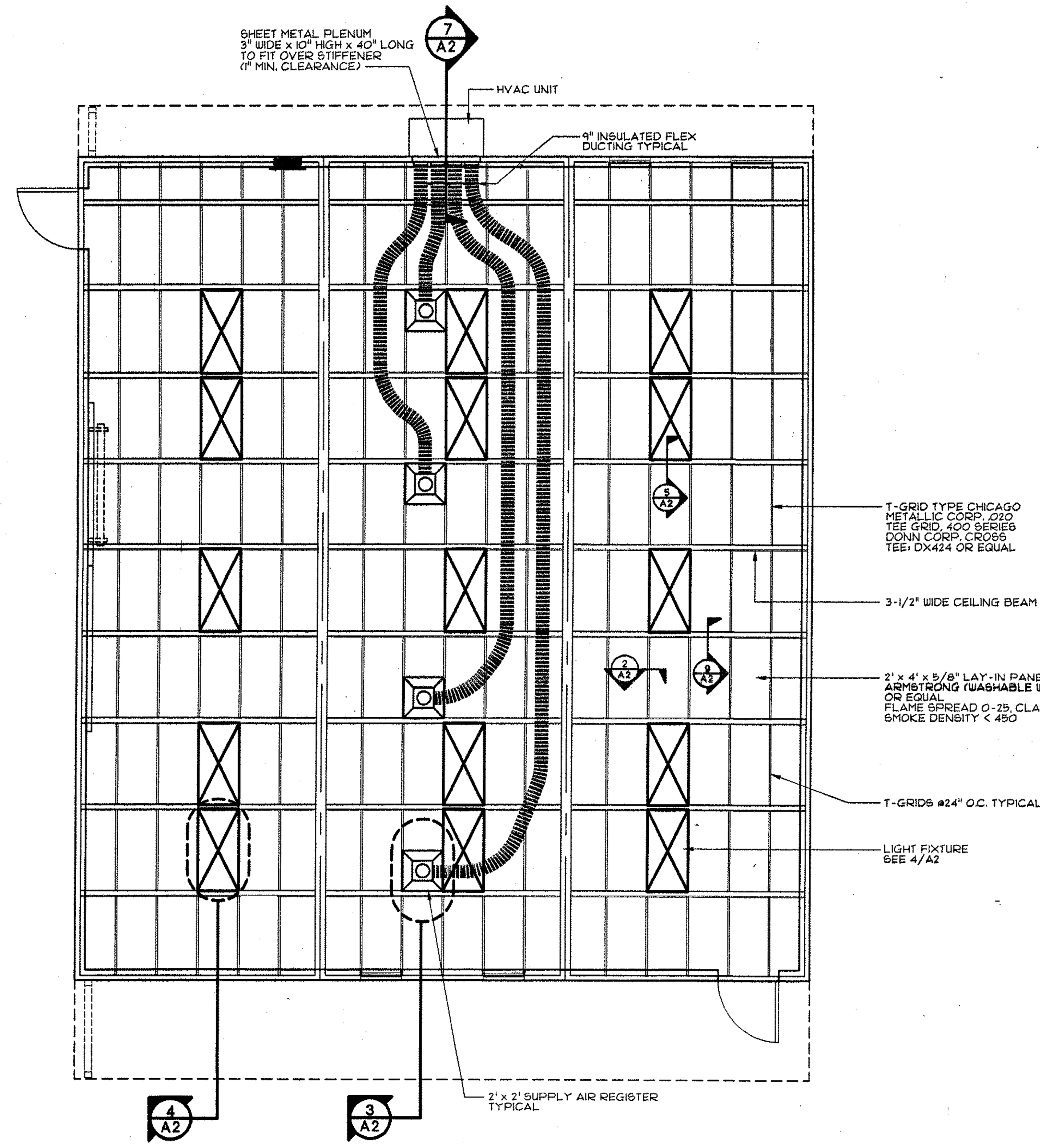
IA. INTERIOR HEAT PUMP
SINGLE PACKAGE FLOOR & WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD GH42A05VPXD (OR EQUAL)
WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 40,000 BTU HR (95°F) HEATING 38,000 BTU HR (47°F)
E) WEIGHT: 530# MAX

AIR FILTERS:
AN APPROVED TYPE TESTED IN ACCORDANCE WITH TEST METHODS SFM-12-71-AS SHOWN IN PART 12, TITLE 24, CALIFORNIA CODE OF REGULATIONS. PREFORMED FILTERS HAVING COMBUSTABLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS IN ALL OCCUPANCIES SHALL BE CLASS 2 OR BETTER, AS DEFINED IN THE TEST METHOD ABOVE. AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT.

2. CONTROLS:
THERMOSTAT: WHITE-ROGERS 92371 OR 90371 DIGITAL (TAMPER PROOF).
MAX. +60" FROM FLOOR (+48" MAX IF NON-SEALED TYPE).

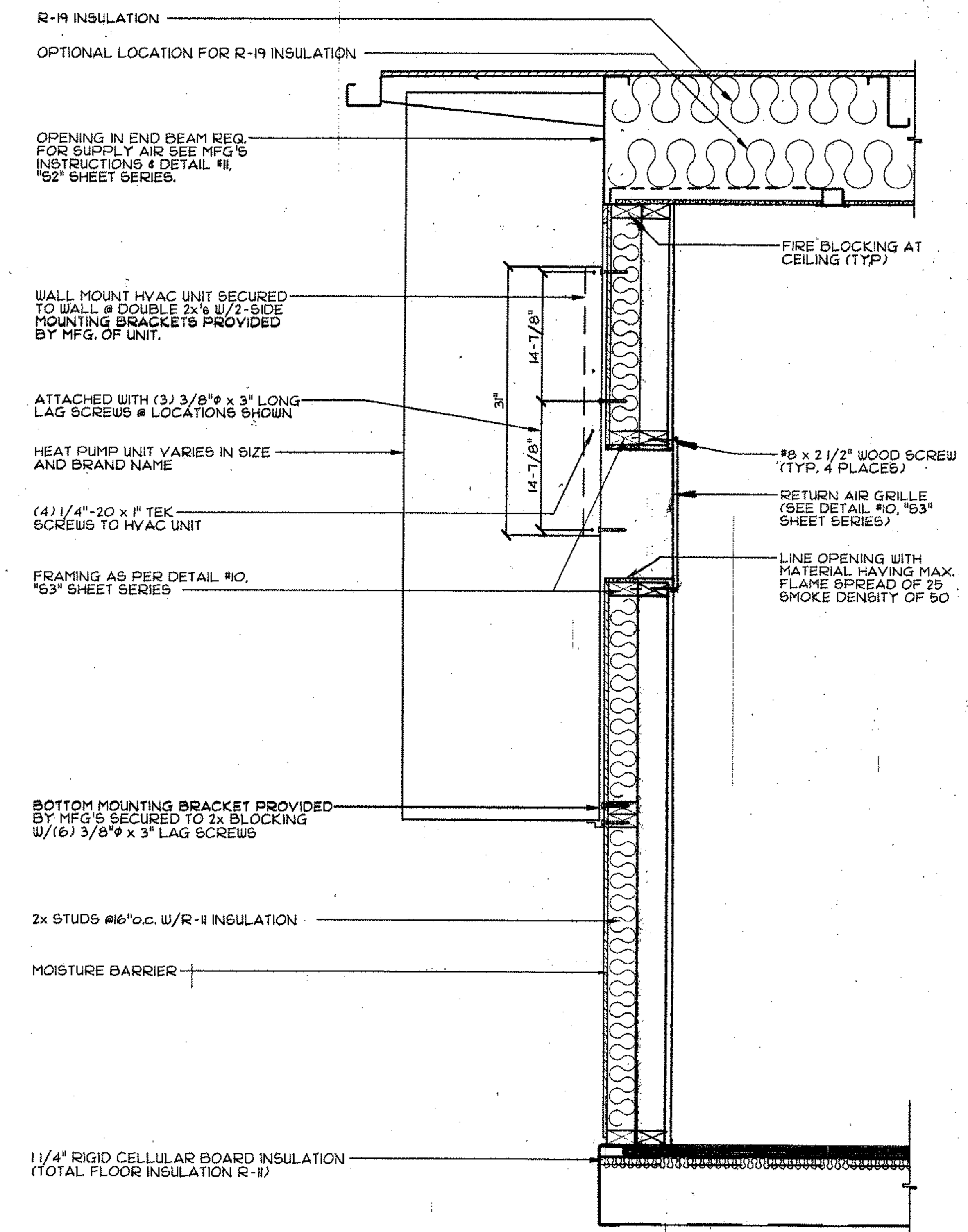
3. DUCTS: MAY BE CLASS "1" OR "0".
FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARDS NO. 6-1. EACH PORTION OF A FACTORY MADE AIR DUCT SYSTEM SHALL BE INDENTIFIED BY THE MANUFACTURER WITH A LABLE OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE W/UMC STANDARD NO. 6-1 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THEIR LISTING. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDING SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVE AS NORMALLY APPLIED. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50

8 HVAC SPECIFICATIONS



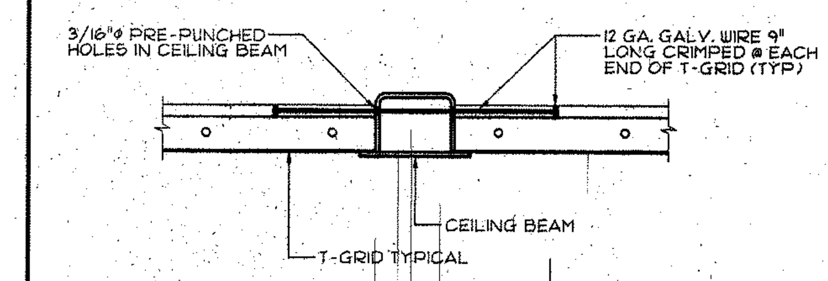
NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

1 "EXTERIOR HVAC" MECHANICAL & REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

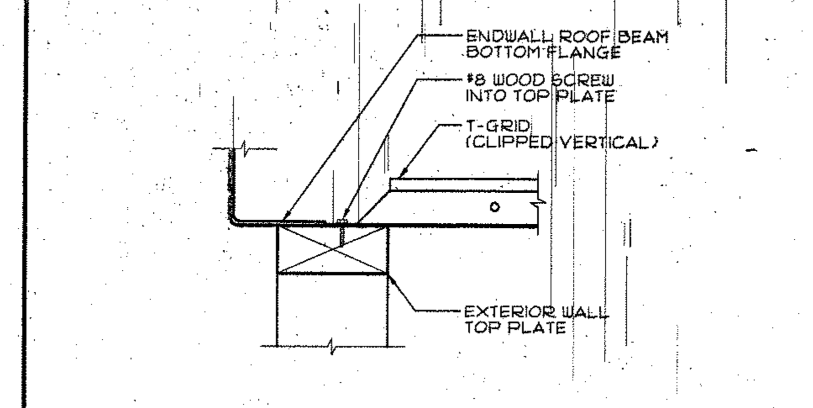


NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

7 HVAC UNIT WALL ATTACHMENT DETAIL
SCALE: 1"=1'-0"



9 T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"



10 T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"

DIVISION OF THE STATE ARCHITECT

7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

"EXTERIOR HVAC UNIT"
MECHANICAL & REFLECTED CEILING PLANS, HVAC WALL ATTACH., DETAILS, HVAC SPECIFICATIONS

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

(C)A2

1. FIRE ALARM: FURNISHED BY OWNER AND SHALL CONFORM TO THE CALIFORNIA BUILDING CODE SECTION 305.9 AND CALIFORNIA ELECTRICAL CODE ARTICLE 760.

2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY D.S.A.

3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE PROJECT INSPECTOR.

2 FIRE PROTECTION

DUPLEX RECEPTACLE @+15" MIN. A.F.F. (UNLESS OTHERWISE NOTED)

PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT @+60" MAX. A.F.F. (NON USER OPERABLE)

WALL CLOCK W/SINGLE CLOCK RECEPTACLE

J JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)

H WATER PROOF BELL BOX UNDER EAVE @+9'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION

P JUNCTION BOX @+48" A.F.F. FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE

V JUNCTION BOX @+90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE

I JUNCTION BOX @+48" A.F.F. (U.O.N.) FOR FUTURE INTERCOM

EXTERIOR INCANDESCENT LIGHT FIXTURE @ +96" A.F.F. (U.O.N.)

S LIGHT SWITCH @+48" MAX. A.F.F.

HT OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

S OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

1. WALL CLOCK:
12"φ CLOCK WITH "EAGLE" CLOCK RECEPTACLE
115 VAC. "R&H" INC. (OR EQUAL.)

2. ELECTRICAL PANEL:
FLUSH MOUNTED W/ HINGED DOORS AND INDEXED CARD HOLDERS
CIRCUIT BREAKER(S) WILL HAVE AN APPROPRIATE UL. LABEL LISTING.

3. RECEPTACLES:
"LEVITON", "HUBBEL" (OR EQUAL)

4. LIGHT SWITCHES:
"LEVITON", "HUBBEL" (OR EQUAL)

5. LIGHTING FIXTURE:
2' x 4' FLUORESCENT LAY-IN TYPE FIXTURES, T-8 W/ ELECTRONIC BALLASTS & 32 WATT LAMPS "COOPER", "LITHONIA" (OR EQUAL) MAXIMUM OF (4) LAMPS AND 128 INPUT WATTS PER FIXTURE.

6. ELECTRIC METALLIC TUBING:
COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED.

7. CONDUCTORS:
COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6 TYPE THW FOR LARGER SIZES. MINIMUM SIZE #12. LIGHTING & OUTLETS USE MINIMUM SIZE #12, SIZE HVAC WIRING PER LOAD.

8. SEE SHEET A2 FOR HVAC & THERMOSTAT SPECIFICATION.

9. SUPPLEMENTAL ELECTRICAL POWER SYSTEM (OPTIONAL):
"UNI-SOLAR" PHOTOVOLTAIC LAMINATE (PVL) SOLAR ELECTRIC ROOF PANELS. FACTORY OR FIELD INSTALLED IN 18'-0" LONG x 15" WIDE x 0.12" THICK FLEXIBLE SHEETS (WT. = 0.75 P.S.F.). ADHESIVE BONDED TO GALV. STANDING SEAM METAL ROOF PANS.
SOLAR ELECTRIC SYSTEM SHALL BE INSTALLED WITH ALL NECESSARY COMPONENTS AND EQUIPMENT TO GENERATE SUPPLEMENTAL ELECTRICAL POWER (FLEXIBLE SOLAR PANELS, WIRING, CONDUIT/WIRE WAYS, DISCONNECTS, INVERTER, AND OPTIONAL BATTERY BACKUP, ETC.)

10. ILLUMINATED EXIT SIGNS AND EMERGENCY LIGHT FIXTURES:
IF REQUIRED BY CODE, SHALL BE PROVIDED IN COMPLIANCE W/ C.B.C. 1003.2.8 & 1003.2.9

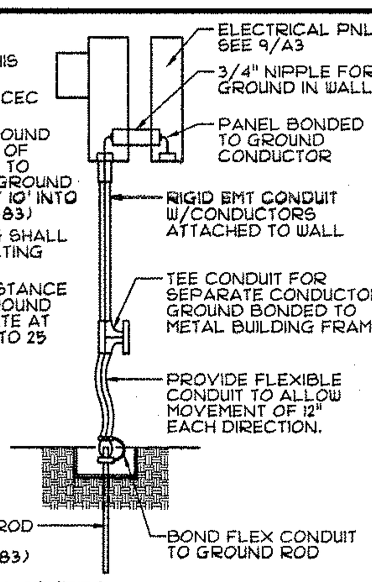
3 ELECTRICAL SPECIFICATIONS

1. CERTIFIED LUMINARIES/BALLASTS.
2. INDEPENDENT CONTROL WITHIN ENCLOSED AREAS.
3. MANUAL SWITCHING READILY ACCESSIBLE.
4. REDUCTION OF LIGHTING LOAD TO AT LEAST 50%.
5. SEPARATE SWITCHING OF DAYLITE AREAS.
6. TANDEM WIRING OF (4) LAMP LUMINARIES.

4 ELECTRICAL LEGEND

5 ELECTRICAL ENERGY COMPLIANCE

NOTES:
1. METER AND GROUND ARE NOT PART OF THIS CONTRACT TO BE PROVIDED BY OTHERS
2. SIZE OF CONDUCTORS SHALL COMPLY W/CEC TABLE 250-95
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL OF BUILDING FRAME (CEC. 250-81) IN ADDITION TO THE DETAIL SHOWN BOND THE ELECTRICAL GROUND **TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO** THE SOIL IF AVAILABLE (C.E.C. 250-81 & 250-83)
4. ALL MODULES OF METAL FRAME BUILDING SHALL BE ELECTRICALLY BONDED TOGETHER, BOLTING ONLY IS NOT ACCEPTABLE BONDING.
5. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS W/ CONDUCTORS AS SHOWN, SEPARATE AT LEAST 6'0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (C.E.C. 250-84
6. ELECTRICAL GROUNDING TEST SHALL BE WITNESSED BY THE PROJECT INSPECTOR & RESULTS SENT TO D.S.A..
7. GROUND ROD GROUNDING CLAMP TO BE BUSHING RATED FOR 3 CONNECTIONS



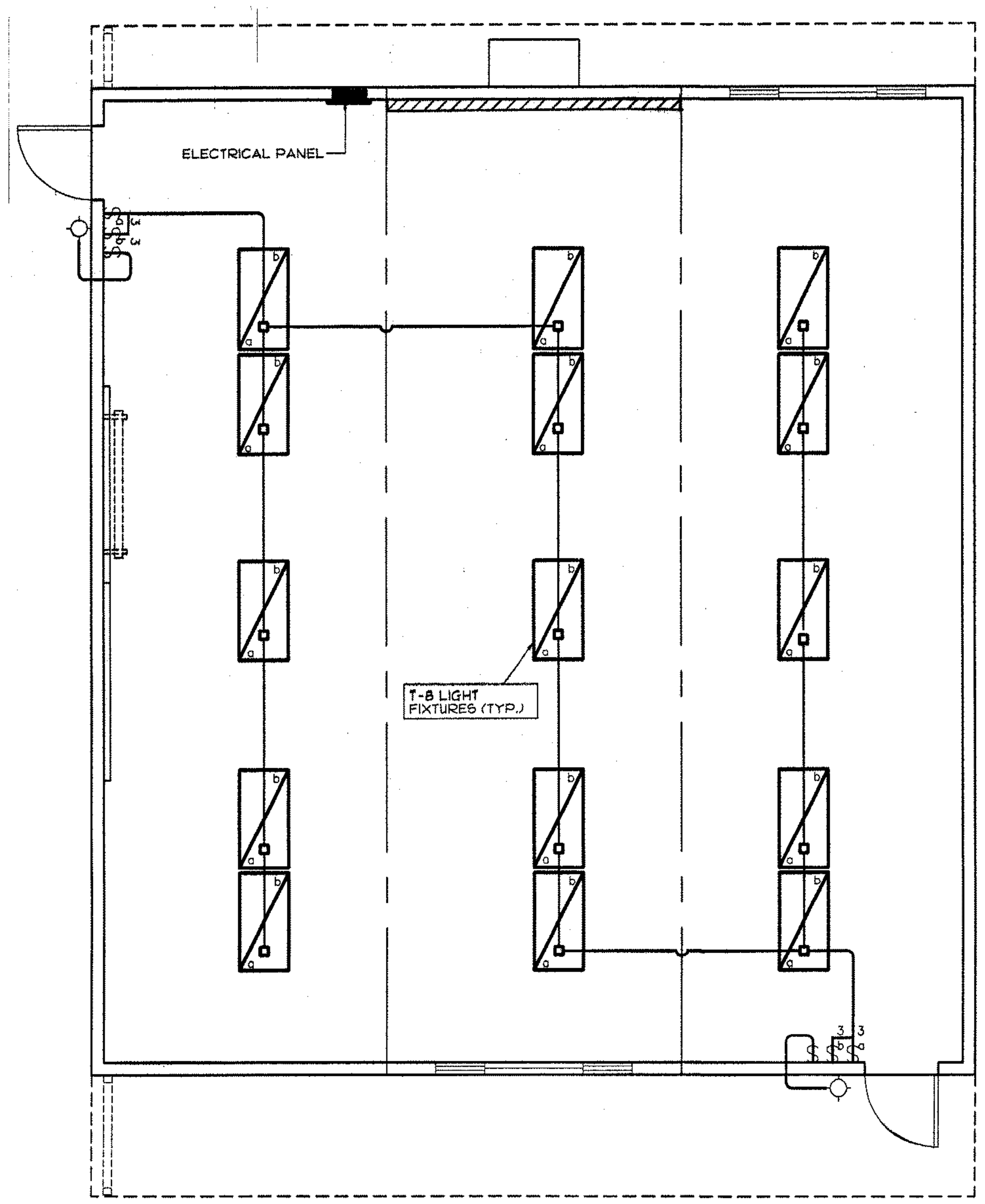
NOTE: GROUND TO BE PROVIDED BY OTHERS

6 ELECTRICAL GROUND

7

DIVISION OF THE STATE ARCHITECT

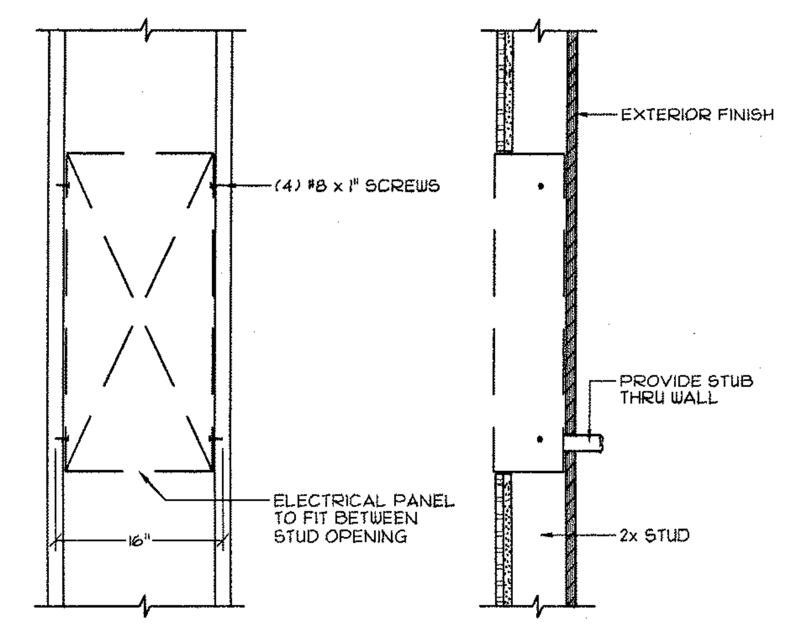
7/18/05



NOTE:
NO ALTERATIONS (DRILLING HOLES, ECT.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

8 ELECTRICAL LIGHTING PLAN

SCALE: 1/4"=1'-0"



9 ELECTRICAL PANEL INSTALLATION

SCALE: 1"=1'-0"

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 9th STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1166

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
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EXP 3-31-07
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STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

ELECTRICAL LIGHTING PLAN, DETAILS, ELECTRICAL NOTES

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

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(C)A3A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

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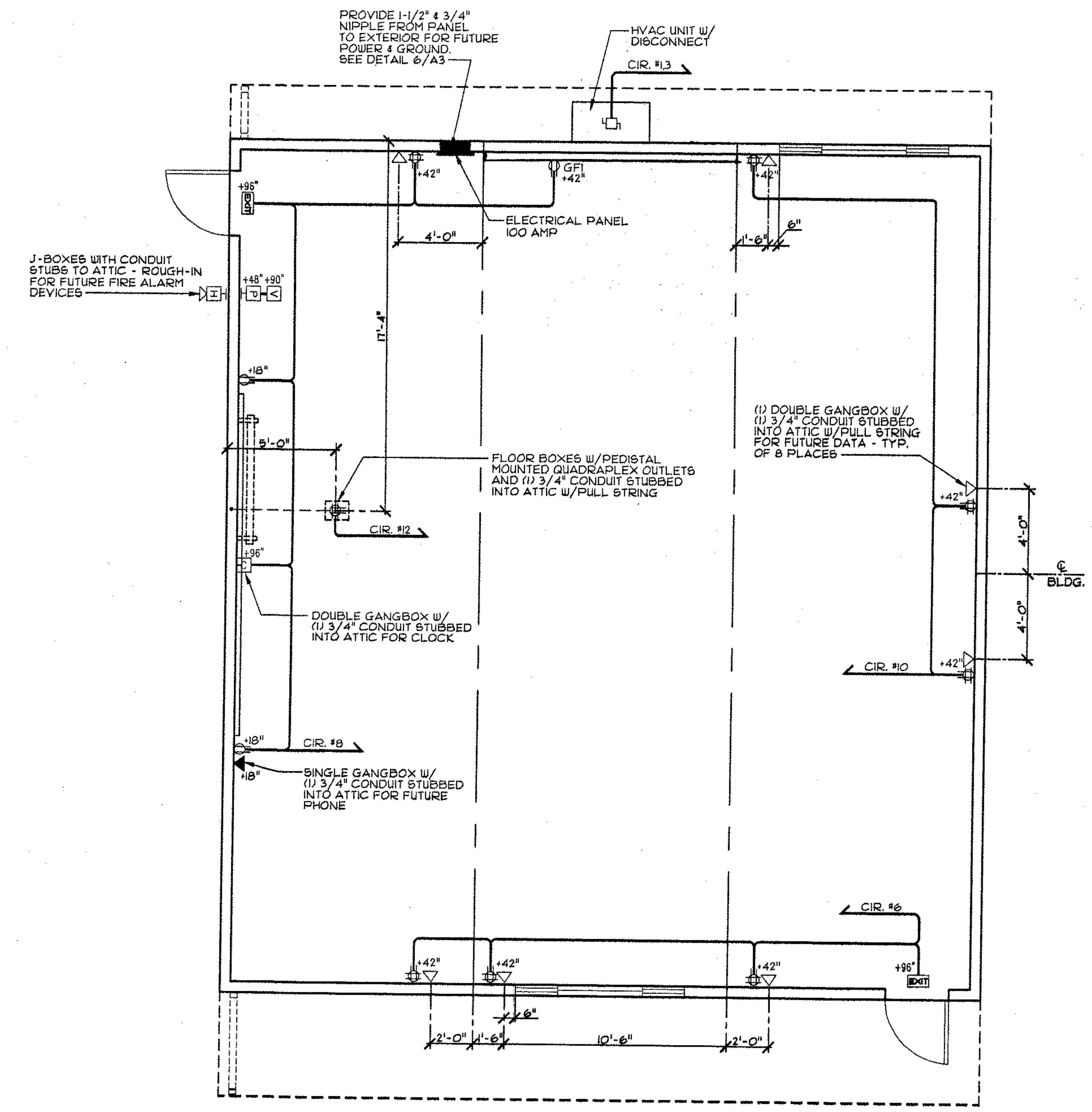

NOTE:
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8

ELECTRICAL POWER & SIGNAL PLAN

SCALE: 1/4"=1'-0"

Symbol	Description
⊜	DUPLEX RECEPTACLE @+15" MIN. A.F.F. (UNLESS OTHERWISE NOTED)
Ⓣ	PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT @+60" MAX. A.F.F. (NON USER OPERABLE)
(clock)	WALL CLOCK W/SINGLE CLOCK RECEPTACLE
J	JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)
H	WATER PROOF BELL BOX UNDER EAVE @+9'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION
P	JUNCTION BOX @+48" A.F.F. FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
V	JUNCTION BOX @+90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
I	JUNCTION BOX @+48" A.F.F. (U.O.N.) FOR FUTURE INTERCOM
-○-	EXTERIOR INCANDESCENT LIGHT FIXTURE @ +96" A.F.F. (U.O.N.)
S	LIGHT SWITCH @+48" MAX. A.F.F.
HT	OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)
S	OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

ELECTIRCAL LEGEND

PANEL SCHEDULE:
MOUNTING: FLUSH INT. NEMA-1
PANEL: 125A
MAIN BREAKER: 100A
VOLTS: 120/240
PHASE: 1φ
WIRE: 3W

DESCRIPTION	LOAD	BRKR		A	B		BRKR	LOAD	DESCRIPTION
EXTERIOR HVAC UNIT	7360	80	1			2	20/1	1200	LIGHTING
	7360	2	3			4	20/1	1200	LIGHTING
			5			6	20/1	1080	OUTLETS
			7			8	20/1	1080	OUTLETS
			9			10	20/1	1080	OUTLETS
			11			12	20/1	720	FLOOR OUTLETS

LEG A: 10720 W
LEG B: 10360 W
TOTAL: 21080 W 87.8 AMPS

ELECTIRCAL PANEL SCHEDULE

DIVISION OF THE STATE ARCHITECT

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP. 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

ELECTRICAL POWER & SIGNAL PLAN

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

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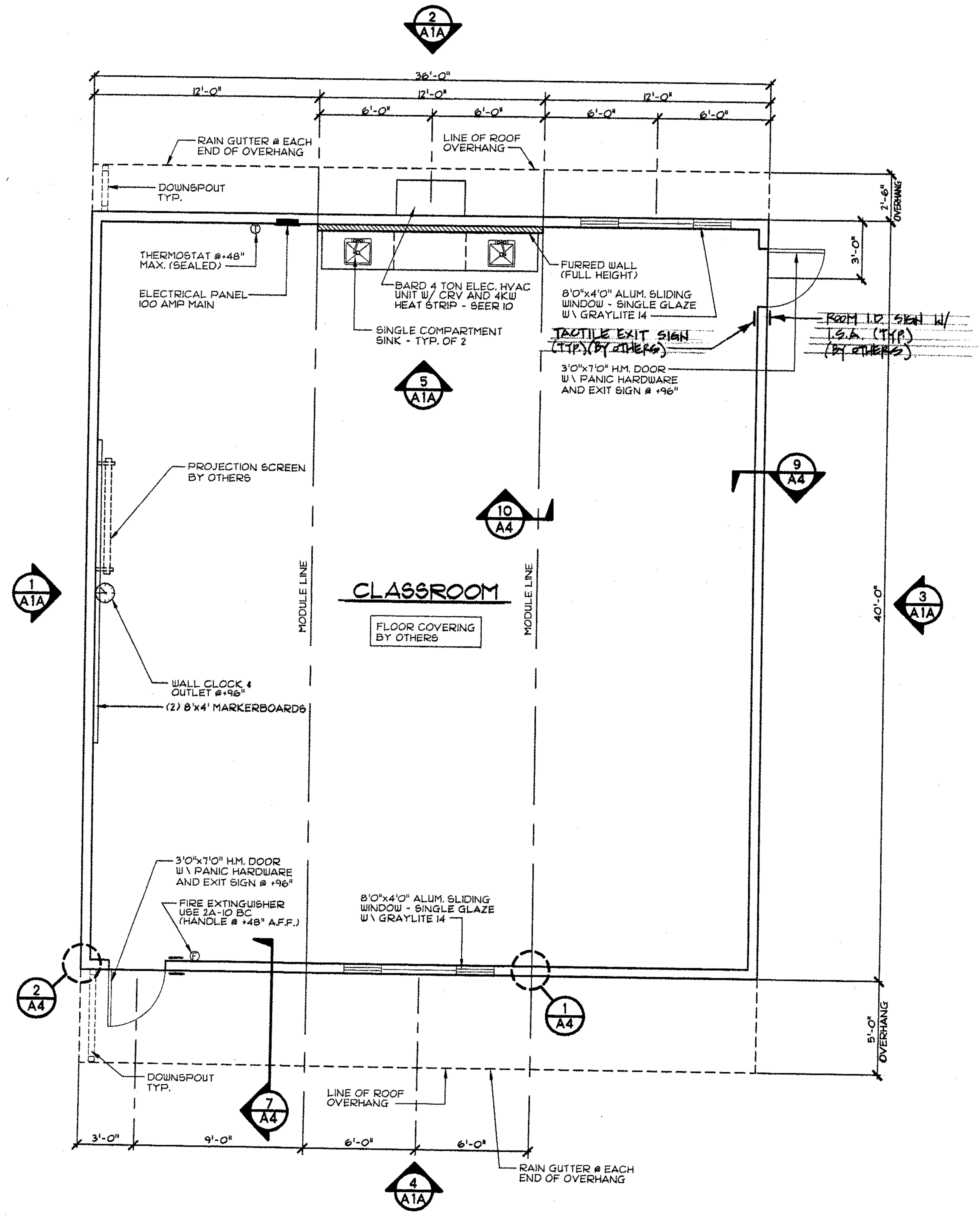
(C)A3B

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



1 | FLOOR PLAN
SCALE: 1/4"=1'-0"

1. CARPETS- ALL MODULES SHALL BE CARPETED WITH DIRECT GLUE DOWN TYPE PER STATE OF CALIFORNIA SPECIFICATION 7220-21K-01, GROUP 1, TYPE "A", CLASS 24. THE CARPET DENSITY SHALL BE 4600 MIN. PILE YARN SHALL BE BRANDED NYLON, INSTALLED WITH MINIMAL CROSS SEAMS. COLOR TO BE SELECTED BY OWNER.
2. RESILIENT BASE COVE- BEST QUALITY, MOULDED RUBBER, 1/8" THICK, 4" HIGH, MOULDED TOP SET COVE. SOLID COLORS AS MANUFACTURED BY "BURKE RUBBER CO." OR EQUAL.
3. ADHESIVES SHALL BE WATER BASE. SOLVENT BASE NOT ACCEPTABLE. FURNISH AND APPLY PER MANUFACTURER'S WRITTEN INSTRUCTIONS.
4. SEALANT- ROOF & MODULE LINE - POLYURETHANE; SIDING & TRIM - ACRYLIC LATEX
5. PAINT- (EXTERIOR WOOD) PRIMER---------ACRYLIC UNDERCOAT; FINISH---------ACRYLIC LATEX
(METALS)------- PRIMER---------RED OXIDE ALKYD; FINISH---------ACRYLIC LATEX
6. M.D.O. BUILDING, DOOR, & WINDOW TRIM. TRIM SHALL BE SEALED AT ALL EDGES SEALANT. PAINTED TO MATCH TRIM OR SIDING.
EXTERIOR SIDING-8" O.C. GROOVED M.D.O. PLYWOOD OR STUCCO PATTERN FACED EXTERIOR SIDING. (MINIMUM NET THICKNESS 3/8")
7. HOLLOW METAL DOORS AND FRAMES- 3'0" x 7'0" x 1-3/4" 18 GA. FULL FLUSH METAL DOOR IN 16 GA. METAL FRAME.
EXIT DOOR SHALL BE OPENABLE FROM THE INTERIOR WITHOUT A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
WHEN CLOSERS ARE PROVIDED FOR DOORS, CLOSERS SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 5 LBS.
DEADBOLTS NOT PERMITTED UNLESS OPERABLE WITH A SINGLE EFFORT USING LEVER HANDLE.
DOOR SWINGS CAN BE RIGHT OR LEFT HAND HINGE.
HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" ABOVE FINISHED FLOOR. (UNLESS OTHERWISE NOTED)
LOCKSET (LEVER MODEL) SCHLAGE D70PDRHO (RHODES) OR EQUAL (WHERE SPECIFIED ONLY)
LOCKSET (PANIC DEVICE) INTERIOR: PRECISION 2108 OR EQUAL
EXTERIOR: PRECISION #3908A OR EQUAL
CYLINDER: SCHLAGE, YALE, SARGENT OR EQUAL
EXTERIOR HINGES -------- HAGER BB1279 NRP. 4-1/2" x 4-1/2" OR EQUAL
INTERIOR HINGES -------- HAGER BB1279 NRP. 4-1/2" x 4-1/2" OR EQUAL
CLOSER---------------- NORTON 8501BF OR EQUAL
THRESHOLD------------- PEMKO 271A OR EQUAL
DOOR BOTTOM----------- PEMKO 216AV OR EQUAL
WEATHERSTRIP---------- PEMKO 2914AV OR EQUAL
8. WINDOWS: CLIMATE ZONES 1, 14, 15 & 16 - "ALL WEATHER" DOUBLE PANE, TINTED, METAL FRAME W/ NFRC RATED U-VALUE = 0.78 AND SHGC = 0.43 ARE REQUIRED
CLIMATE ZONES 2 THROUGH 13 - "ALL WEATHER" SINGLE PANE, TINTED, METAL FRAME W/ NFRC RATED U-VALUE = 1.14 AND SHGC = 0.39 ARE REQUIRED
NOTE: "ALL WEATHER" DOUBLE PANE, TINTED, METAL FRAME WINDOWS DEFINED ABOVE ARE OPTIONAL

ROOFING
METAL ROOF:
PREFINISHED, UNPENETRATED INTERLOCKING, 26 GAGE MIN. GALVANIZED STEEL ROOF PANELS, MECH. CRIMPED STANDING SEAMS OVER SEAL-TITE #15 UNDERLAYMENT OVER 15/32" APA RATED, EXTERIOR GRADE PLYWOOD. (CLASS "B" FIRE RATING)

INSULATION
1. ALL INSULATION (INCLUDING PIPE INSULATION) SHALL COMPLY WITH CALIFORNIA QUALITY STANDARDS, CALIFORNIA BUILDING CODE SEC. 707.2, 707.3, & 2606 FOR FOAM. MAX FLAME SPREAD: 25, MAX SMOKE DENSITY: 450
ROOF: CLIMATE ZONES 1, 14, 15 & 16 - R-30 FIBERGLASS BATTS REQUIRED; CLIMATE ZONES 2 THROUGH 13 - R-19 FIBERGLASS BATTS, OPTIONAL R-30
WALLS: CLIMATE ZONES 1, 14, 15 & 16 - R-13 FIBERGLASS BATTS REQUIRED; CLIMATE ZONES 2 THROUGH 13 - R-11 FIBERGLASS BATTS
FLOOR: CLIMATE ZONES 1 THROUGH 16 - 1 1/2" POLYISOCYANURATE RIGID INSULATION (R-6.4 PER INCH OR GREATER)

IDENTIFICATION
NOTE: THE MANUFACTURER SHALL PLACE TWO PERMANENT METAL IDENTIFICATION TAG ON EACH MODULAR BUILDING MECHANICALLY FASTENED TO THE END WALL. THE TAG SHALL SHOW D.S.A. APPLICATION NUMBER, MANUFACTURER'S SERIAL NUMBER, PLANT INSPECTOR'S IDENTIFICATION MARK AND DESIGN FLOOR AND ROOF LIVE LOAD. PLACE ONE TAG ON EXTERIOR AND, ONE ON THE INTERIOR ABOVE CEILING LINE.

8 MATERIAL SPECIFICATIONS & NOTES

1. SAWN LUMBER GRADED PER WEST COAST LUMBER INSPECTION BUREAU, RULE 17.
2. ALL FRAMING LUMBER SHALL BE DOUGLAS FIR #2. ALL BLOCKING SHALL BE DOUGLAS FIR #3.
3. LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
4. LUMBER MAY BE REJECTED FOR BOXED HEART, EXCESSIVE WARP, TWIST, SPLIT, CHECK, FUNGUS, MOLD, OR ANY REASON PROVIDED BY GRADING RULES.

9 LUMBER NOTES

1. ALL MODULES MAY BE BUILT OPPOSITE HAND FROM THE WAY THEY ARE SHOWN
2. SIDEWALL & ENDWALL ELEVATIONS SHOWN ON THIS SHEET DEPICT NON-BEARING WALLS NOT REQUIRED FOR THE RESISTANCE OF VERTICAL OR LATERAL LOADS.

10 BUILDING AND WALL PANEL OPTIONS

DIVISION OF THE STATE ARCHITECT

7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 14TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

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RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

FLOOR PLAN,
MATERIAL SPECIFICATIONS,
& NOTES

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

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(D)A1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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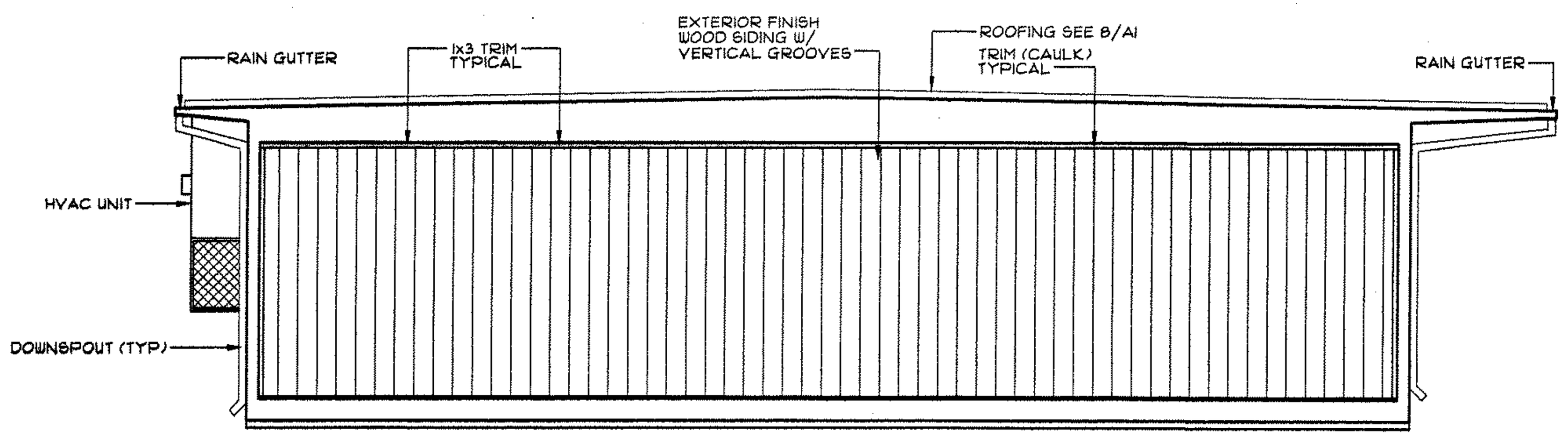
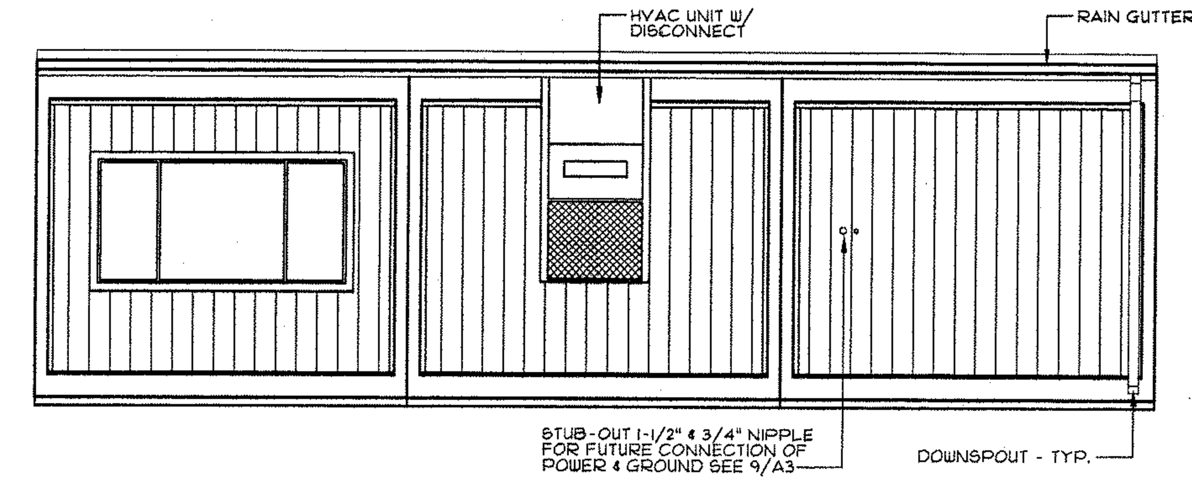
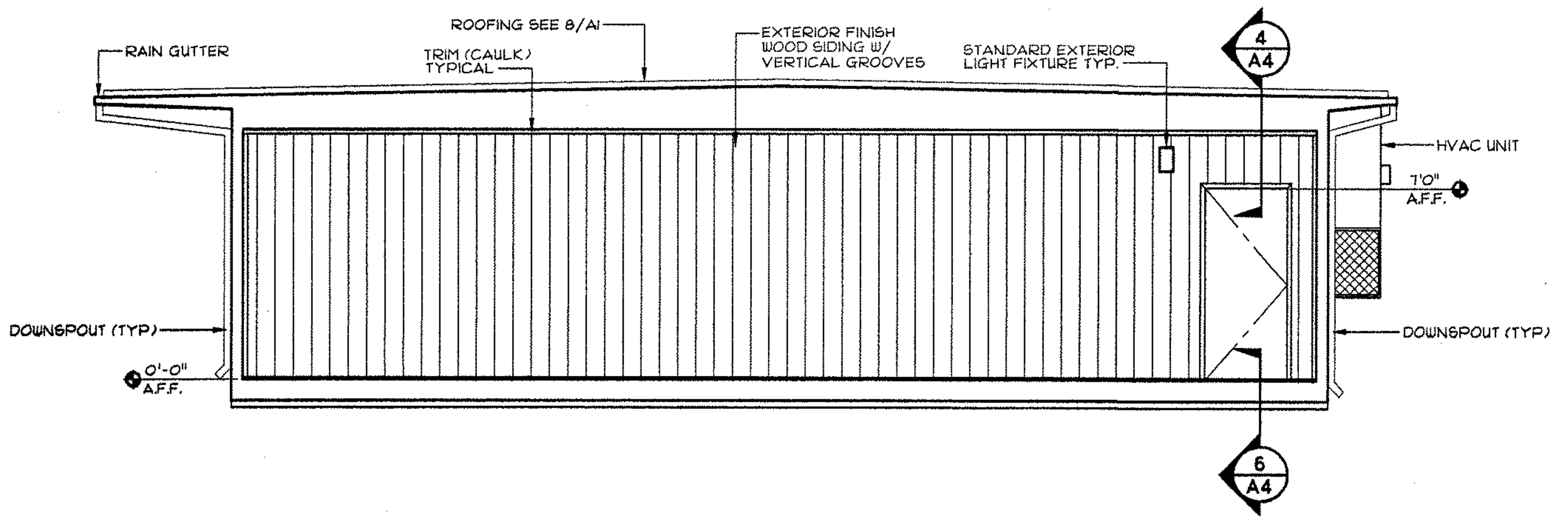


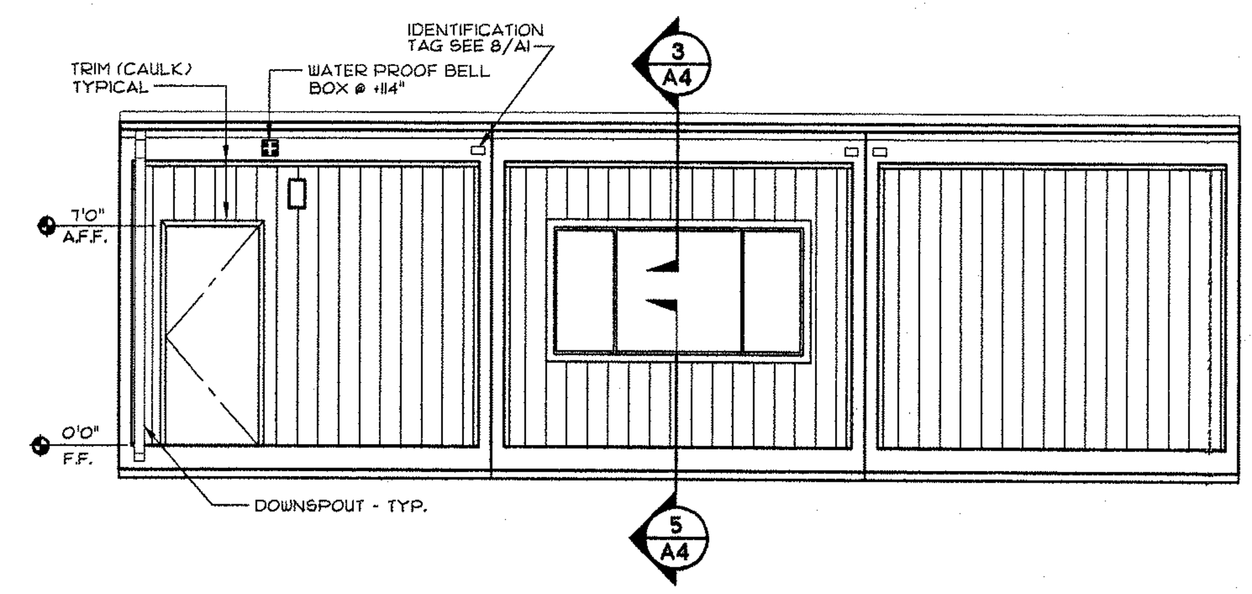
1 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



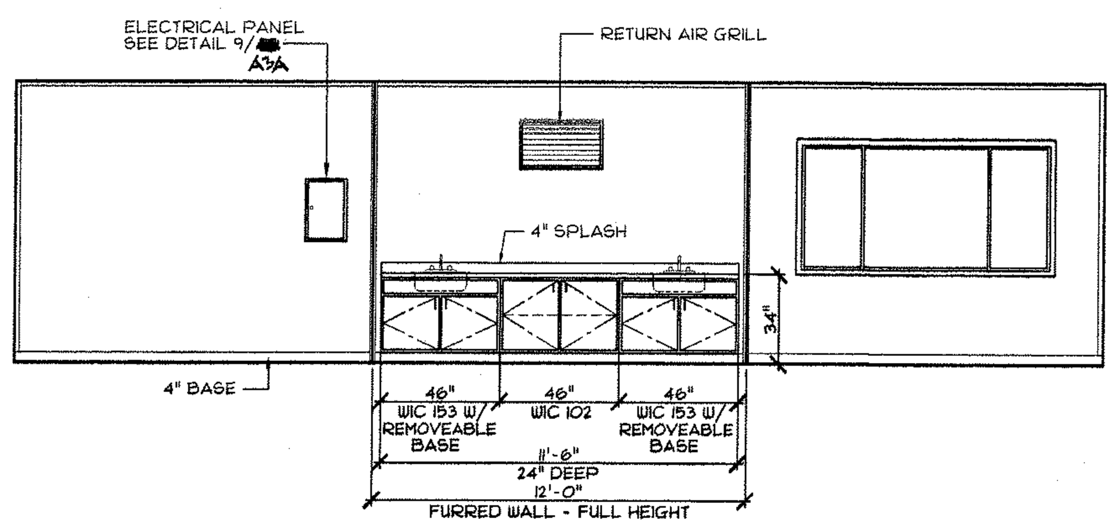
2 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



3 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



4 EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"



5 INTERIOR ELEVATION
SCALE: 1/4"=1'-0"

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RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

EXTERIOR ELEVATIONS
& INTERIOR ELEVATIONS

REV / DATE:	BY:

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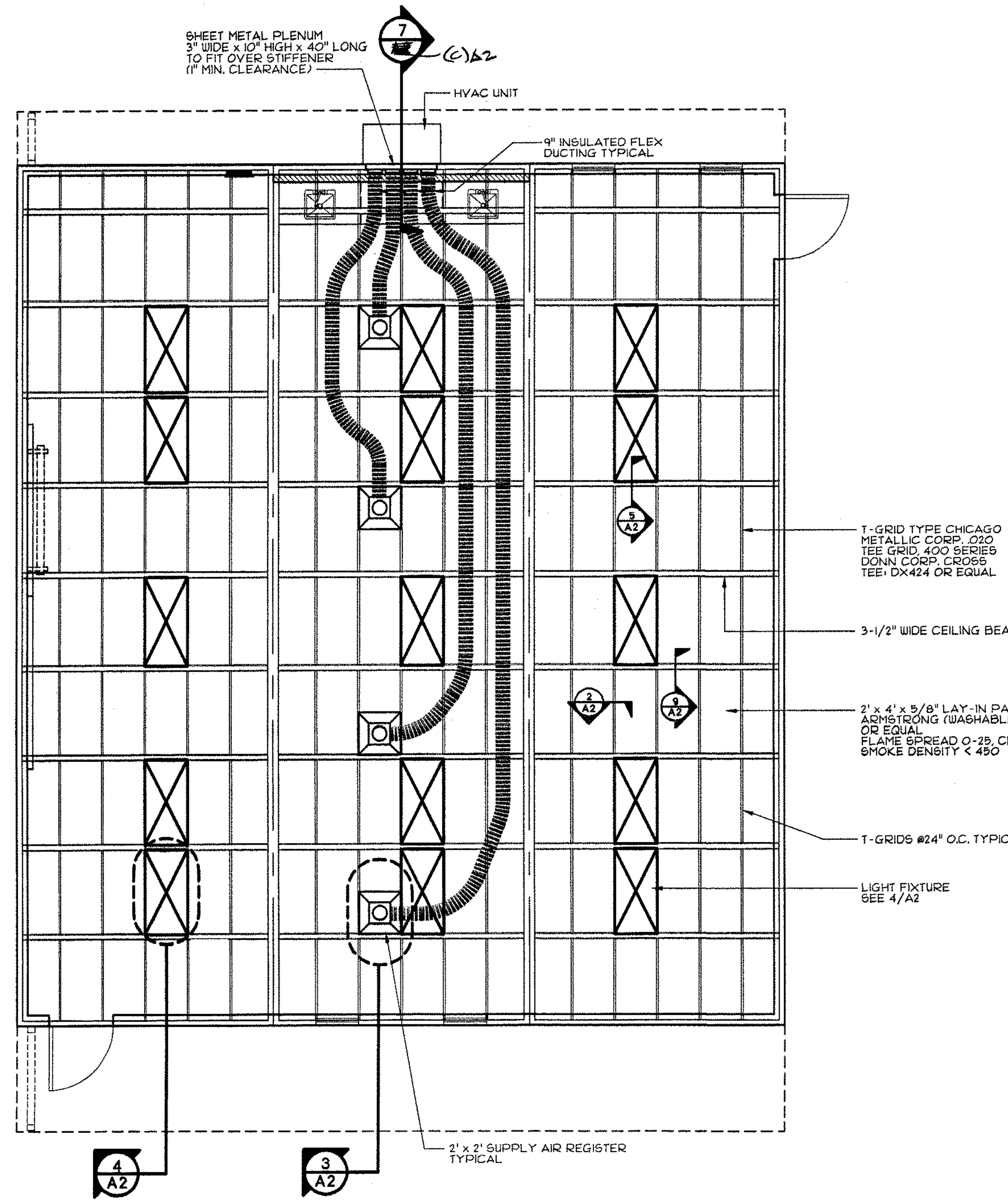
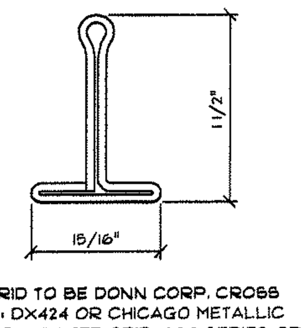
(D)A1A

7/18/05



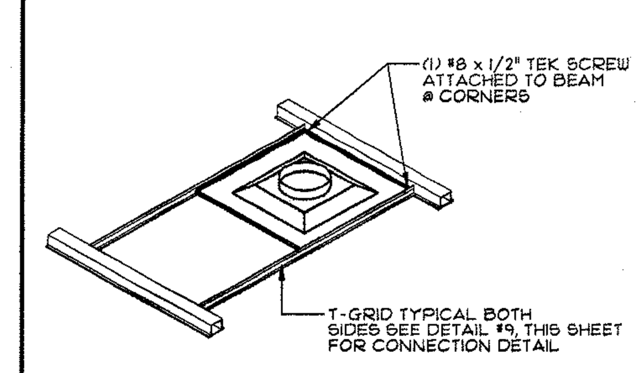
NOTE: CEILING TILE & LIGHTING FIXTURES IN MODULES ARE NOT SUSPENDED. THE BUILDING HAS A FIXED CEILING AND LIGHTING FIXTURE SUPPORT SYSTEM WHICH IS MECHANICALLY FASTENED TO STEEL CEILING BEAMS.

1 "EXTERIOR HVAC" MECHANICAL & REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"

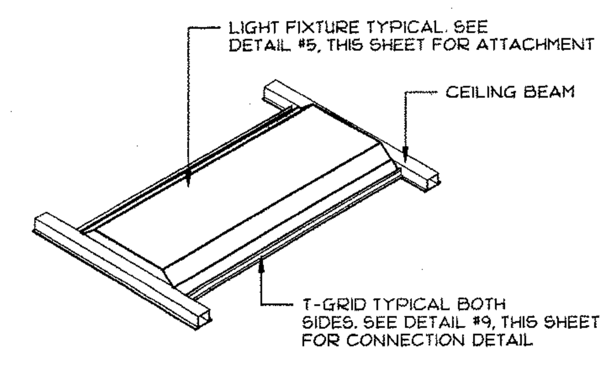


NOTE: T-GRID TO BE DONN CORP. CROSS TEE: DX424 OR CHICAGO METALLIC CORP. .020 TEE GRID, 400 SERIES OR EQUAL.

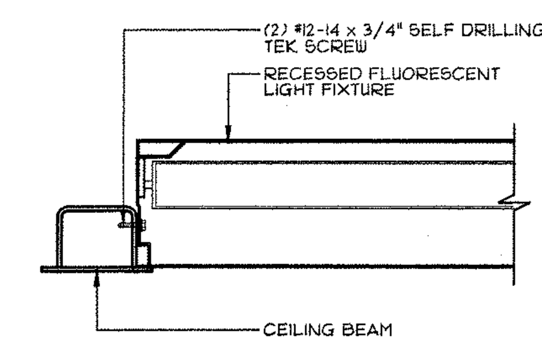
2 TYP. T-GRID SECTION
SCALE: FULL



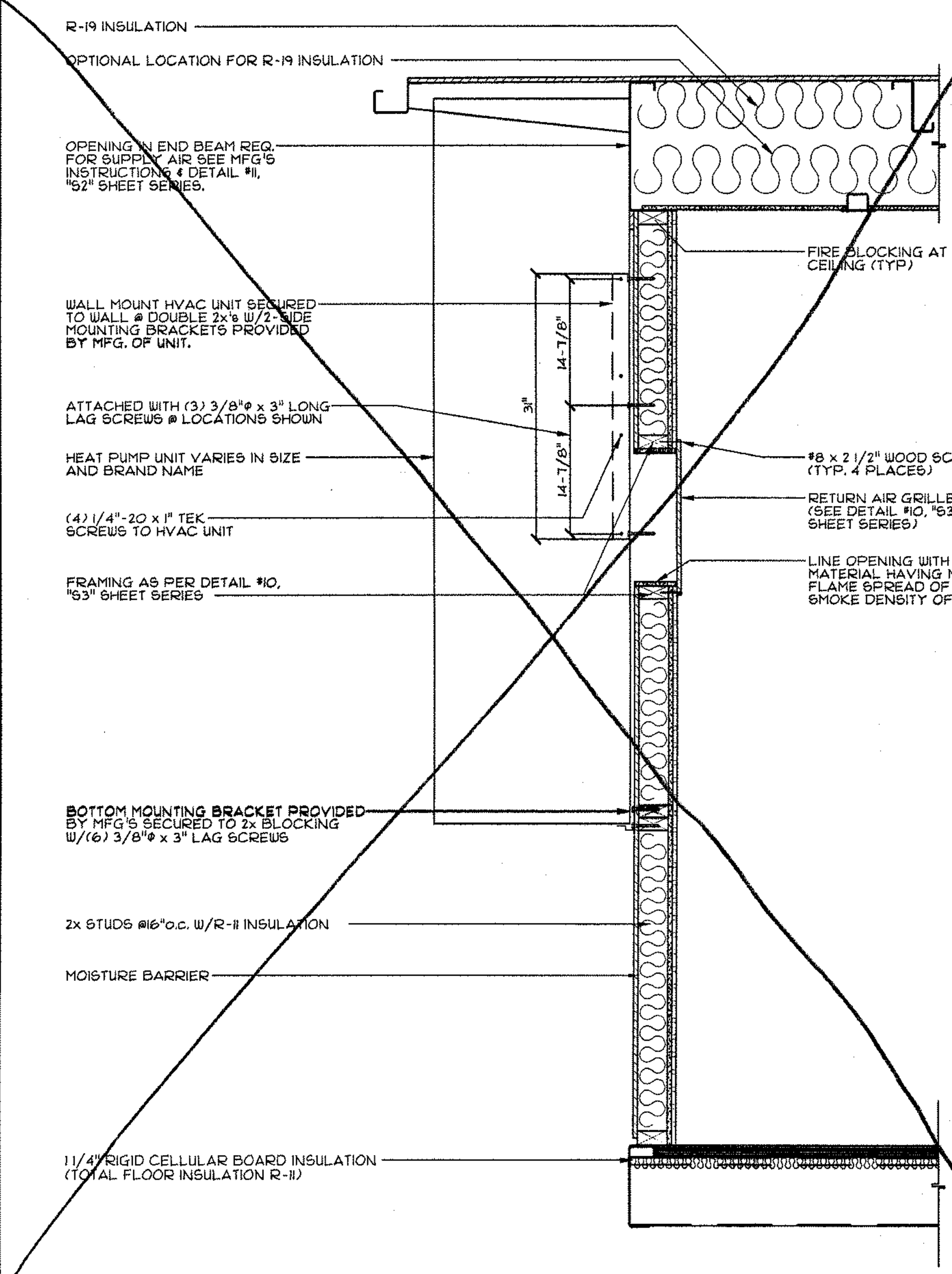
3 SUPPLY AIR REGISTER
SCALE: 1/2"=1'-0"



4 LAY-IN LIGHT FIXTURE
SCALE: 1/2"=1'-0"



5 LIGHT FIXTURE SUPPORT
SCALE: 3"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

7 HVAC UNIT WALL ATTACHMENT DETAIL
SCALE: 1"=1'-0"

1. EXTERIOR HEAT PUMP
SINGLE PACKAGE WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD WH48A05VX4 (OR EQUAL)

WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 39,406 BTU HR (95°F) HEATING 43,000 BTU HR (47°F)
E) WEIGHT: 510# MAX

1A. INTERIOR HEAT PUMP
SINGLE PACKAGE FLOOR & WALL MOUNTED AIR TO AIR ELECTRIC HEAT PUMP UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARDS 240-77. (U.L. LISTED)
REFERENCE BRANDS: BARD QH42A05VPXD (OR EQUAL)

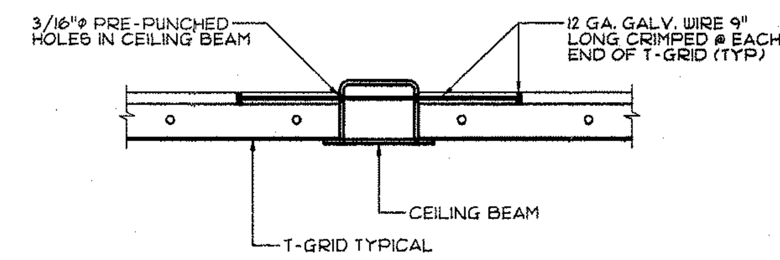
WIRING AND MNTG. INSTALLATION OF UNIT PER MANUFACTURER'S INSTRUCTIONS.
A) TWO SPEED INDOOR BLOWER MOTOR TO REDUCE INDOOR NOISE LEVEL.
B) RECIRCUIT 5 KW HEAT STRIP
C) LOW TEMPERATURE OUTDOOR THERMOSTAT TO ASSIST CIRCUITING DURING THE HEATING MODE.
D) COOLING: 40,000 BTU HR (95°F) HEATING 38,000 BTU HR (47°F)
E) WEIGHT: 530# MAX

AIR FILTERS:
AN APPROVED TYPE TESTED IN ACCORDANCE WITH TEST METHODS SFM-12-71-AS SHOWN IN PART 12. TITLE 24. CALIFORNIA CODE OF REGULATIONS. PREFORMED FILTERS HAVING COMBUSTABLE FRAMING SHALL BE TESTED AS A COMPLETE ASSEMBLY. AIR FILTERS IN ALL OCCUPANCIES SHALL BE CLASS 2 OR BETTER. AS DEFINED IN THE TEST METHOD ABOVE. AIR FILTERS SHALL BE ACCESSIBLE FOR CLEANING OR REPLACEMENT.

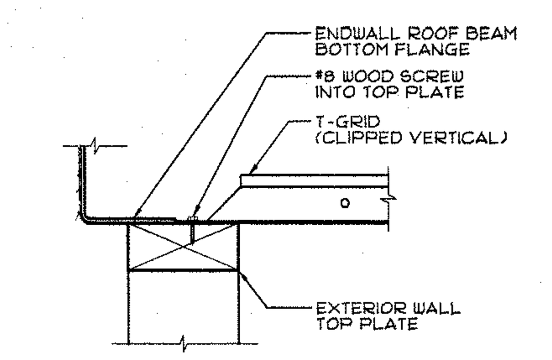
2. CONTROLS:
THERMOSTAT: WHITE-ROGERS 92371 OR 90371 DIGITAL (TAMPER PROOF).
MAX. +60" FROM FLOOR (+48" MAX IF NON-SEALED TYPE).

3. DUCTS: MAY BE CLASS "1" OR "0"
FACTORY MADE AIR DUCTS SHALL BE APPROVED FOR THE USE INTENDED OR SHALL CONFORM TO THE REQUIREMENTS OF U.M.C. STANDARDS NO. 6-1. EACH PORTION OF A FACTORY MADE AIR DUCT SYSTEM SHALL BE INDENTIFIED BY THE MANUFACTURER WITH A LABLE OR OTHER SUITABLE IDENTIFICATION INDICATING COMPLIANCE W/UMC STANDARD NO. 6-1 AND ITS CLASS DESIGNATION. THESE DUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE TERMS OF THIER LISTING. INSULATION APPLIED TO THE EXTERIOR SURFACE OF DUCTS LOCATED IN BUILDING SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED RATING OF NOT MORE 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION, FACING MATERIALS, TAPES AND ADHESIVE AS NORMALLY APPLIED. MATERIAL EXPOSED WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50

8 HVAC SPECIFICATIONS



9 T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"



10 T-GRID CONNECTION DETAIL
SCALE: 3"=1'-0"

DIVISION OF THE STATE ARCHITECT

7/18/05

APPROVALS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

JH Lawder, Inc.
Structural Engineers
717 14TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
J. H. LAWDER
NO. S2310
EXP. 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

"EXTERIOR HVAC UNIT"
MECHANICAL & REFLECTED CEILING PLANS, HVAC WALL ATTACH., DETAILS, HVAC SPECIFICATIONS

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

(D)A2

1. FIRE ALARM: FURNISHED BY OWNER AND SHALL CONFORM TO THE CALIFORNIA BUILDING CODE SECTION 305.9 AND CALIFORNIA ELECTRICAL CODE ARTICLE 760.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY D.S.A.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE PROJECT INSPECTOR.

2 FIRE PROTECTION

- DUPLEX RECEPTACLE @+15" MIN. A.F.F. (UNLESS OTHERWISE NOTED)
- PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT @+60" MAX. A.F.F. (NON USER OPERABLE)
- WALL CLOCK W/SINGLE CLOCK RECEPTACLE
- J — JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)
- H — WATER PROOF BELL BOX UNDER EAVE @+9'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION
- P — JUNCTION BOX @+48" A.F.F. FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- V — JUNCTION BOX @+90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
- I — JUNCTION BOX @+48" A.F.F. (U.O.N.) FOR FUTURE INTERCOM
- EXTERIOR INCANDESCENT LIGHT FIXTURE @ +96" A.F.F. (U.O.N.)
- S — LIGHT SWITCH @+48" MAX. A.F.F.
- HT — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)
- S — OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

1. WALL CLOCK:
   12"⌀ CLOCK WITH "EAGLE" CLOCK RECEPTACLE 115 VAC. "R&H" INC. (OR EQUAL.)
2. ELECTRICAL PANEL:
   FLUSH MOUNTED W/ HINGED DOORS AND INDEXED CARD HOLDERS CIRCUIT BREAKER(S) WILL HAVE AN APPROPRIATE UL. LABEL LISTING.
3. RECEPTACLES:
   "LEVITON", "HUBBEL" (OR EQUAL)
4. LIGHT SWITCHES:
   "LEVITON", "HUBBEL" (OR EQUAL)
5. LIGHTING FIXTURE:
   2' x 4' FLUORESCENT LAY-IN TYPE FIXTURES, T-8 W/ ELECTRONIC BALLASTS & 32 WATT LAMPS "COOPER", "LITHONIA" (OR EQUAL) MAXIMUM OF (4) LAMPS AND 128 INPUT WATTS PER FIXTURE.
6. ELECTRIC METALLIC TUBING:
   COUPLINGS AND FLEX CONDUIT GALVANIZED OR SHERARDIZED.
7. CONDUCTORS:
   COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6 TYPE THW FOR LARGER SIZES. MINIMUM SIZE #12. LIGHTING & OUTLETS USE MINIMUM SIZE #12, SIZE HVAC WIRING PER LOAD.
8. SEE SHEET A2 FOR HVAC & THERMOSTAT SPECIFICATION.
9. SUPPLEMENTAL ELECTRICAL POWER SYSTEM (OPTIONAL):
   "UNI-SOLAR" PHOTOVOLTAIC LAMINATE (PVL) SOLAR ELECTRIC ROOF PANELS. FACTORY OR FIELD INSTALLED IN 18'-0" LONG x 15" WIDE x 0.12" THICK FLEXIBLE SHEETS (WT. = 0.75 P.S.F.). ADHESIVE BONDED TO GALV. STANDING SEAM METAL ROOF PANS.
   SOLAR ELECTRIC SYSTEM SHALL BE INSTALLED WITH ALL NECESSARY COMPONENTS AND EQUIPMENT TO GENERATE SUPPLEMENTAL ELECTRICAL POWER (FLEXIBLE SOLAR PANELS, WIRING, CONDUIT/WIRE WAYS, DISCONNECTS, INVERTER, AND OPTIONAL BATTERY BACKUP, ETC.)
10. ILLUMINATED EXIT SIGNS AND EMERGENCY LIGHT FIXTURES:
   IF REQUIRED BY CODE, SHALL BE PROVIDED IN COMPLIANCE W/ C.B.C. 1003.2.8 & 1003.2.9

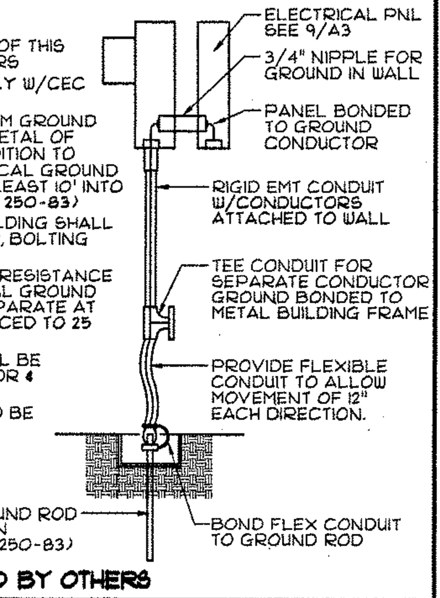
3 ELECTRICAL SPECIFICATIONS

1. CERTIFIED LUMINARIES/BALLASTS.
2. INDEPENDENT CONTROL WITHIN ENCLOSED AREAS.
3. MANUAL SWITCHING READILY ACCESSIBLE.
4. REDUCTION OF LIGHTING LOAD TO AT LEAST 50%.
5. SEPARATE SWITCHING OF DAYLITE AREAS.
6. TANDEM WIRING OF (4) LAMP LUMINARIES.

4 ELECTRICAL LEGEND

5 ELECTRICAL ENERGY COMPLIANCE

NOTES:
1. METER AND GROUND ARE NOT PART OF THIS CONTRACT TO BE PROVIDED BY OTHERS
2. SIZE OF CONDUCTORS SHALL COMPLY W/CEC TABLE 250-95
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL OF BUILDING FRAME (CEC. 250-81) IN ADDITION TO THE DETAIL SHOWN BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (C.E.C. 250-81 & 250-83)
4. ALL MODULES OF METAL FRAME BUILDING SHALL BE ELECTRICALLY BONDED TOGETHER, BOLTING ONLY IS NOT ACCEPTABLE BONDING.
5. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS W/ CONDUCTORS AS SHOWN, SEPARATE AT LEAST 6'0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (C.E.C. 250-84
6. ELECTRICAL GROUNDING TEST SHALL BE WITNESSED BY THE PROJECT INSPECTOR & RESULTS SENT TO D.S.A..
7. GROUND ROD GROUNDING CLAMP TO BE BUSHING RATED FOR 3 CONNECTIONS



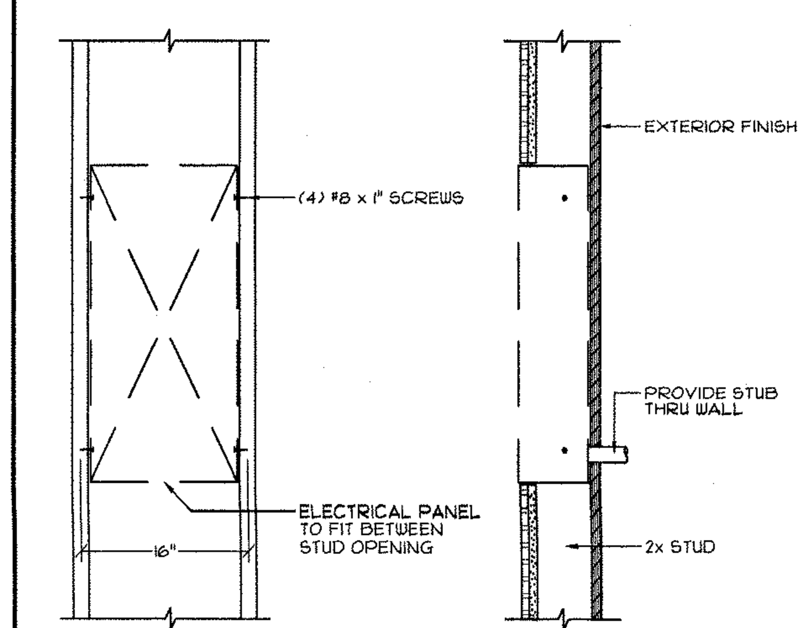
NOTE: GROUND TO BE PROVIDED BY OTHERS

6 ELECTRICAL GROUND

7

DIVISION OF THE STATE ARCHITECT

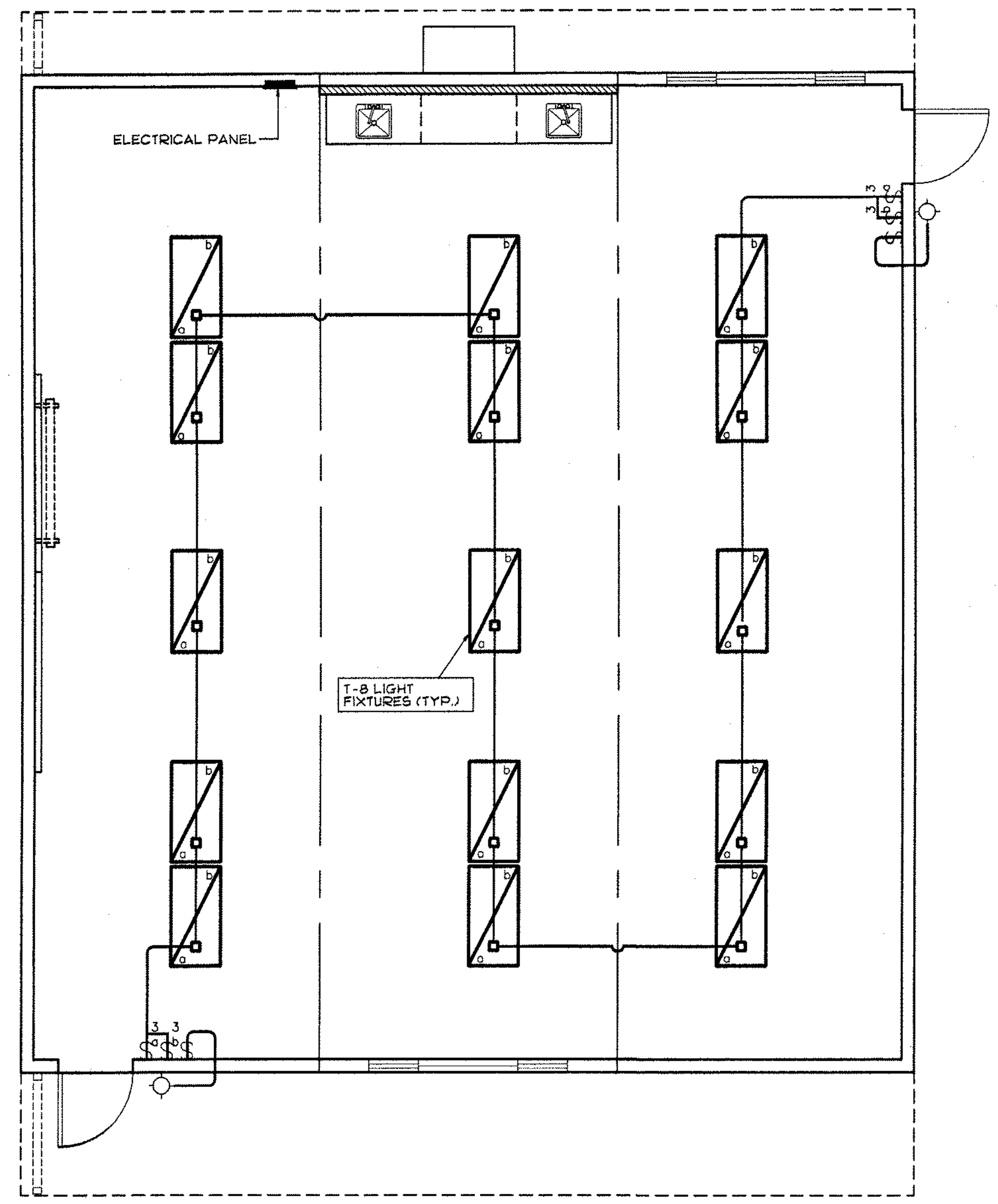
7/18/05



9 ELECTRICAL PANEL INSTALLATION

SCALE: 1"=1'-0"

APPROVALS



NOTE:
NO ALTERATIONS (DRILLING HOLES, ECT.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

8 ELECTRICAL LIGHTING PLAN

SCALE: 1/4"=1'-0"

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-07
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

ELECTRICAL LIGHTING PLAN, DETAILS, ELECTRICAL NOTES

REV / DATE:	BY:

JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

(D)A3A

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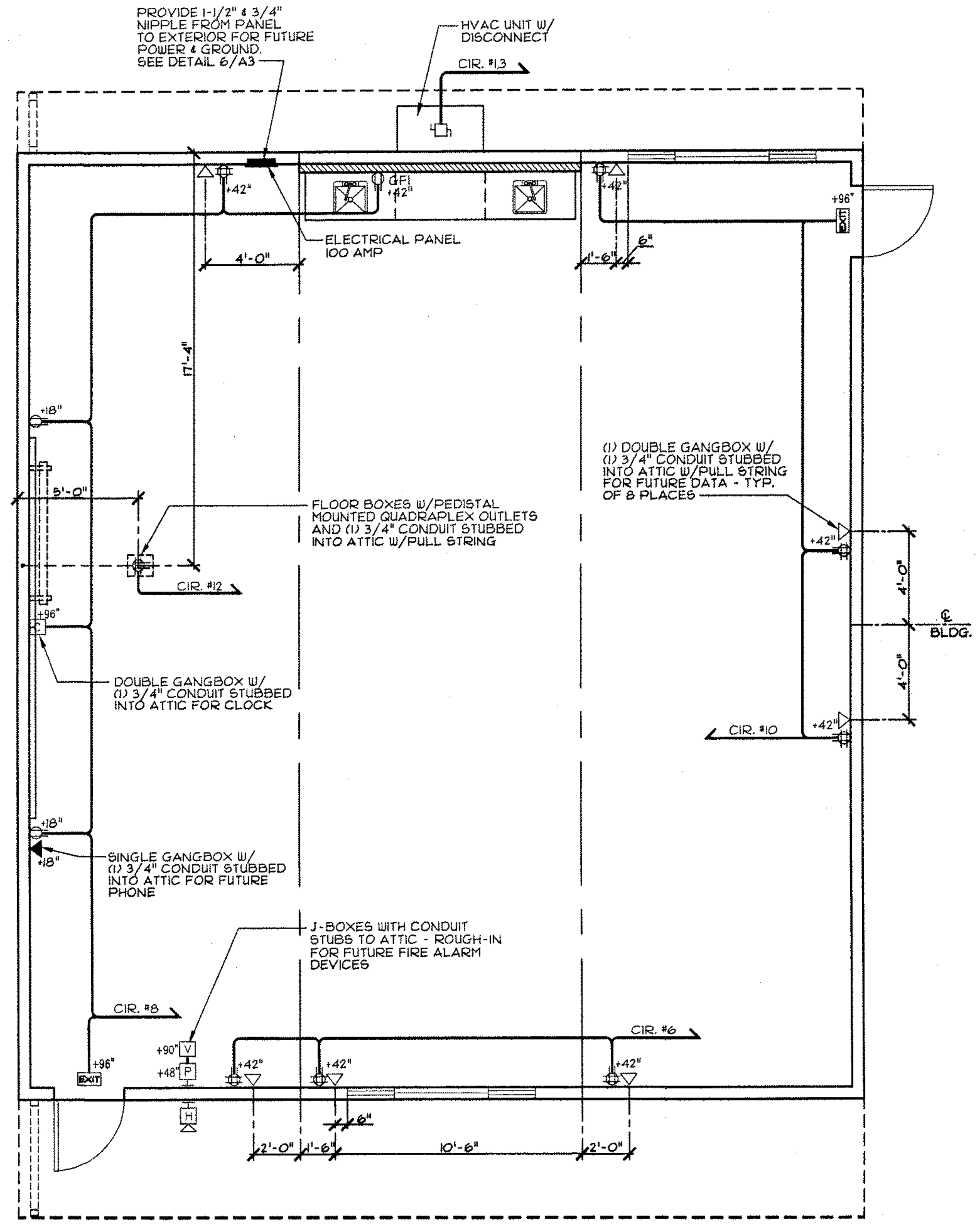
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



NOTE:
NO ALTERATIONS (DRILLING HOLES, ECT.) ARE TO BE MADE TO STEEL STRUCTURAL MEMBERS.

Symbol	Description
	DUPLEX RECEPTACLE @+15" MIN. A.F.F. (UNLESS OTHERWISE NOTED)
T	PROGRAMMABLE DIGITAL THERMOSTAT FOR HVAC UNIT @+60" MAX. A.F.F. (NON USER OPERABLE)
	WALL CLOCK W/SINGLE CLOCK RECEPTACLE
J	JUNCTION BOX (SIZE AND INSTALLATION HEIGHT AS NOTED)
H	WATER PROOF BELL BOX UNDER EAVE @+9'-4" (U.O.N.) FOR FUTURE FIRE ALARM AUDIBLE WARNING DEVICE SEE NOTE NO. 1 OF FIRE PROTECTION
P	JUNCTION BOX @+48" A.F.F. FOR FUTURE FIRE ALARM PULL STATION - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
V	JUNCTION BOX @+90" (U.O.N.) FOR FUTURE FIRE ALARM HORN/STROBE DEVICE - SEE NOTE NO. 1 OF FIRE PROTECTION ABOVE
I	JUNCTION BOX @+48" A.F.F. (U.O.N.) FOR FUTURE INTERCOM
	EXTERIOR INCANDESCENT LIGHT FIXTURE @ +96" A.F.F. (U.O.N.)
S	LIGHT SWITCH @+48" MAX. A.F.F.
HT	OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE HEAT DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)
S	OPTIONAL JUNCTION BOX IN ATTIC FOR FUTURE SMOKE DETECTOR (DEVICES AND INTERCONNECTING CONDUITS BY OTHERS @ SITE)

ELECTIRCAL LEGEND

PANEL SCHEDULE:
MOUNTING: FLUSH INT. NEMA-1 VOLTS: 120/240
PANEL: 125A PHASE: 1ϕ
MAIN BREAKER: 100A WIRE: 3W

DESCRIPTION	LOAD	BRKR		A	B		BRKR	LOAD	DESCRIPTION
EXTERIOR HVAC UNIT	7360	80/	1			2	20/1	1200	LIGHTING
	7360	/2	3			4	20/1	1200	LIGHTING
			5			6	20/1	1080	OUTLETS
			7			8	20/1	1080	OUTLETS
			9			10	20/1	1110	OUTLETS
			11			12	20/1	720	FLOOR OUTLETS

LEG A: 10720 W
LEG B: 10360 W
TOTAL: 21080 W 87.8 AMPS

ELECTIRCAL PANEL SCHEDULE

DIVISION OF THE STATE ARCHITECT

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 MAIN STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER JOHN H. LAWDER NO. S2310 EXP. 3-31-07 STRUCTURAL STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

RELOCATABLE BUILDING
(STOCK PILE)
MOBILE MODULAR MANAGEMENT CORPORATION

ELECTRICAL POWER & SIGNAL PLAN

REV / DATE:	BY:

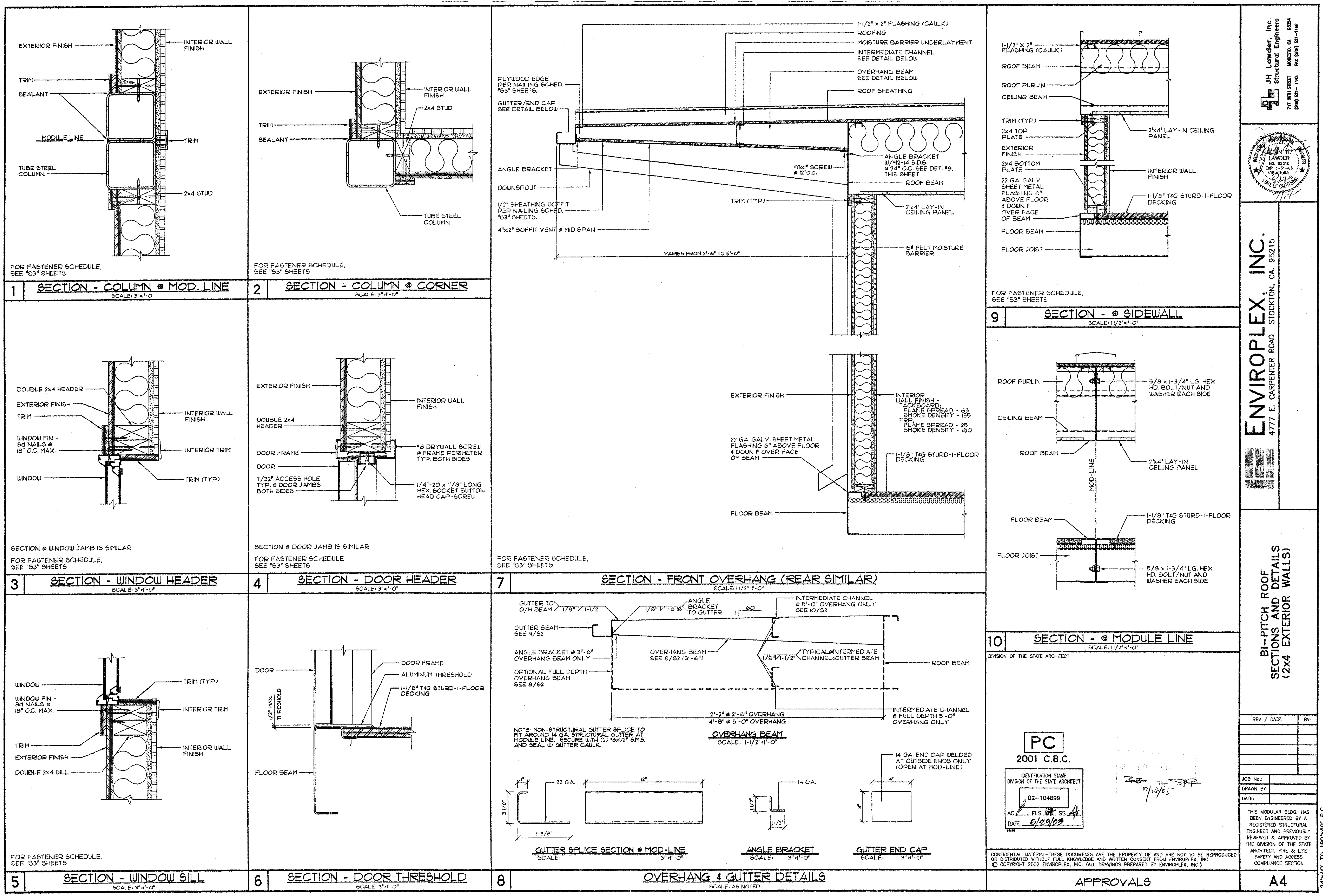
JOB No.:	05-015
DRAWN BY:	JM
DATE:	05-17-05

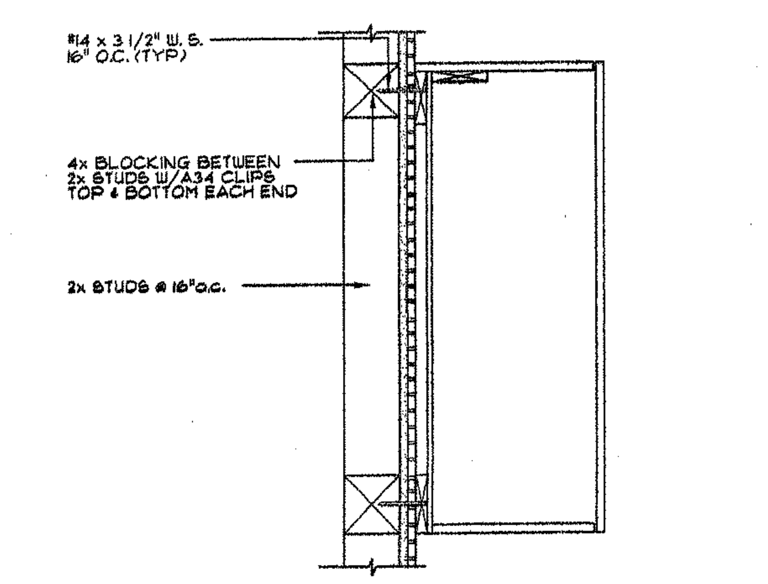
THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

(D)A3B

8 ELECTRICAL POWER & SIGNAL PLAN
SCALE: 1/4"=1'-0"

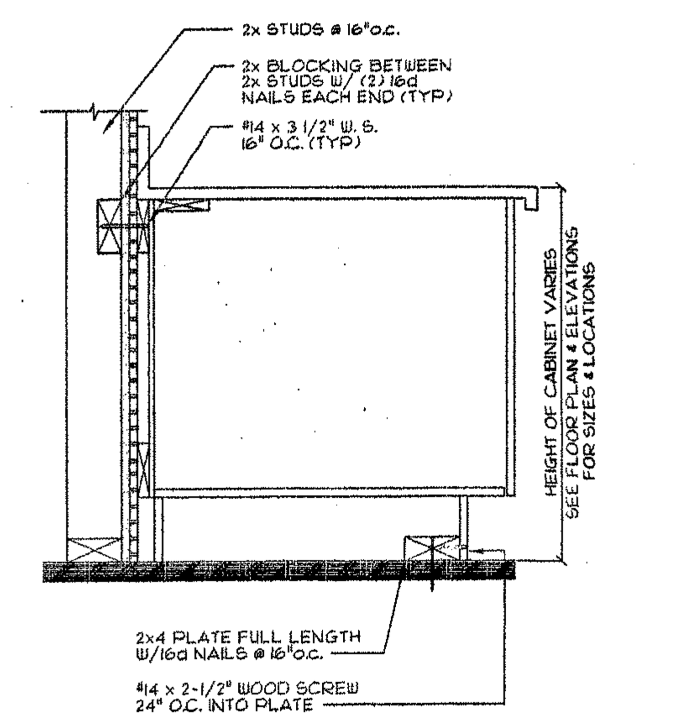
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020





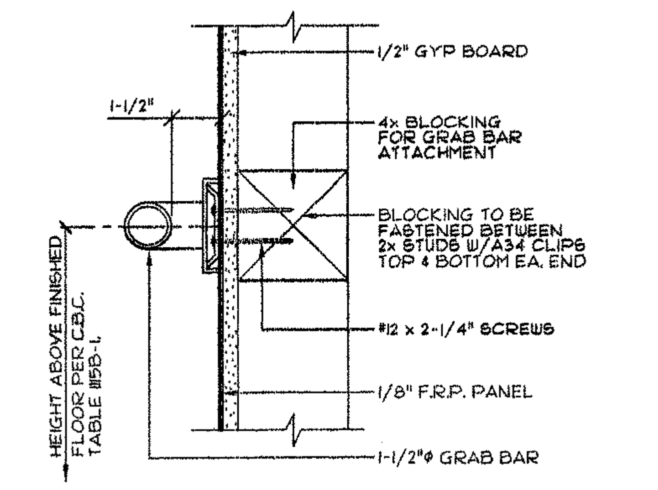
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

1 UPPER CABINET BLOCKING DETAIL
SCALE: 1 1/2"=1'-0"



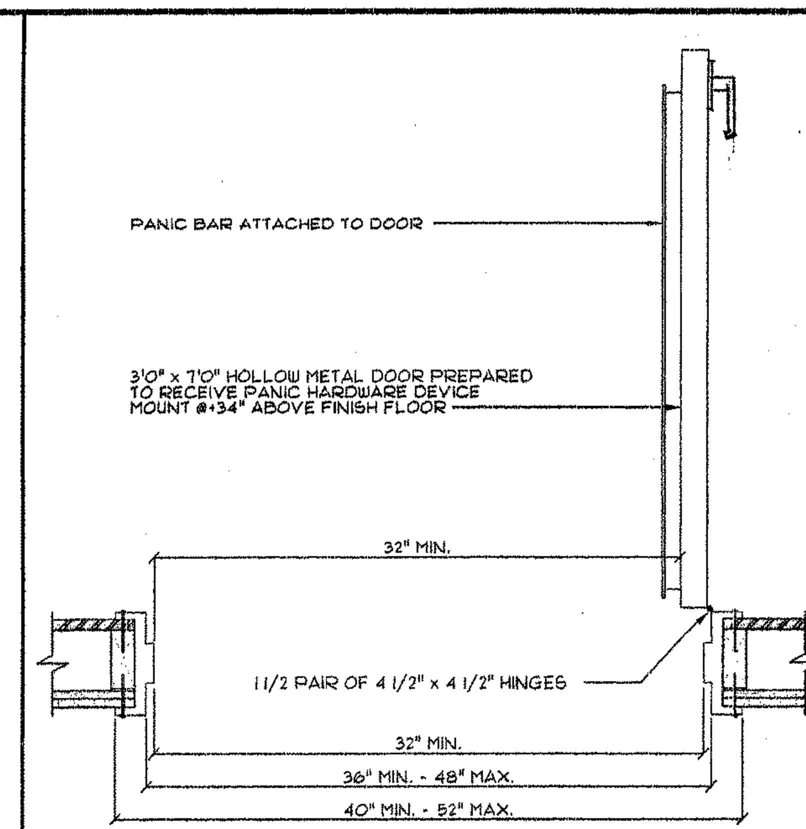
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

2 BASE CABINET BLOCKING DETAIL
SCALE: 1 1/2"=1'-0"

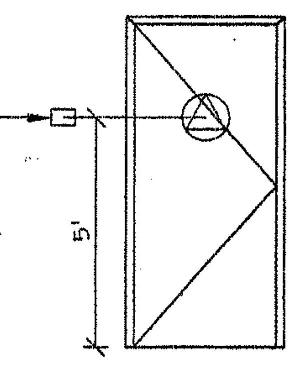


NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

3 GRAB BAR BLOCKING DETAIL
SCALE: 3"=1'-0"



4 PANIC HARDWARE DETAIL
SCALE: 1 1/2"=1'-0"

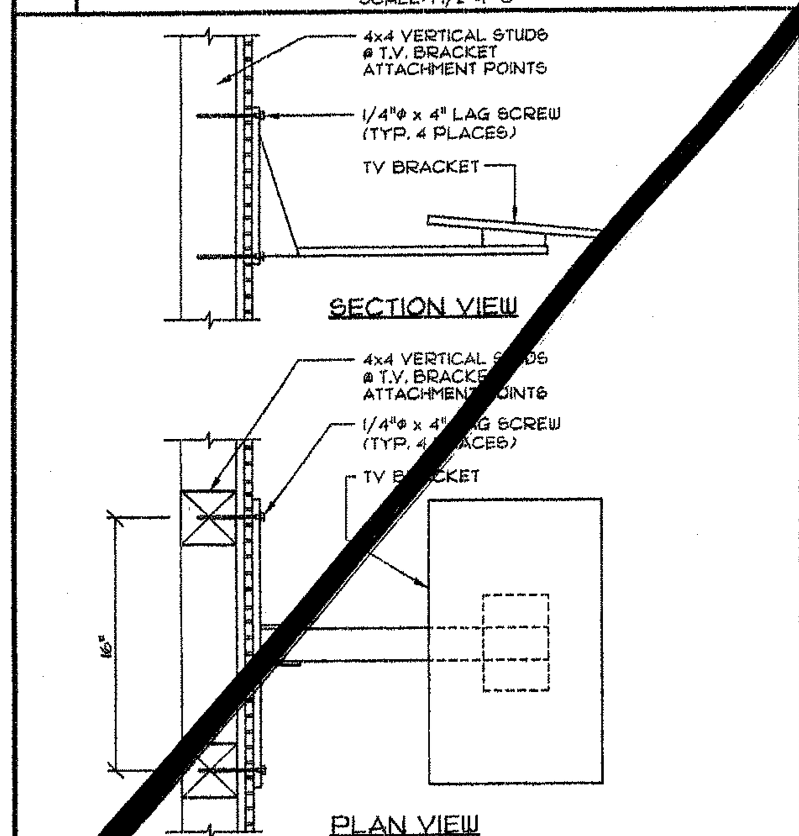


NOTE:
DOOR LEADING INTO A UNISEX FACILITY SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK AND 12" IN DIAMETER WITH A 1/4" THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12" DIAMETER. THE GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60" AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR. (C.B.C. SECTION 1115B.5)

or

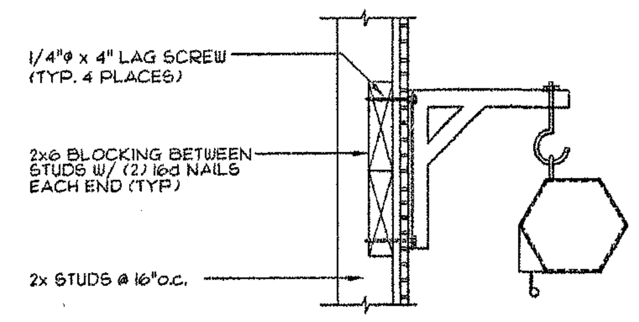
THE DOOR LEADING INTO BOY'S FACILITY SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE 1/4" THICK WITH EDGES 12" LONG AND A VERTEX POINTING UPWARD. THE DOOR LEADING INTO GIRL'S FACILITY SHALL BE IDENTIFIED BY A CIRCLE 1/4" THICK AND 12" IN DIAMETER. THE GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60" AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR. (C.B.C. SECTION 1115B.5)

5 RESTROOM DOOR SIGNAGE DETAIL
SCALE: 3/8"=1'-0"



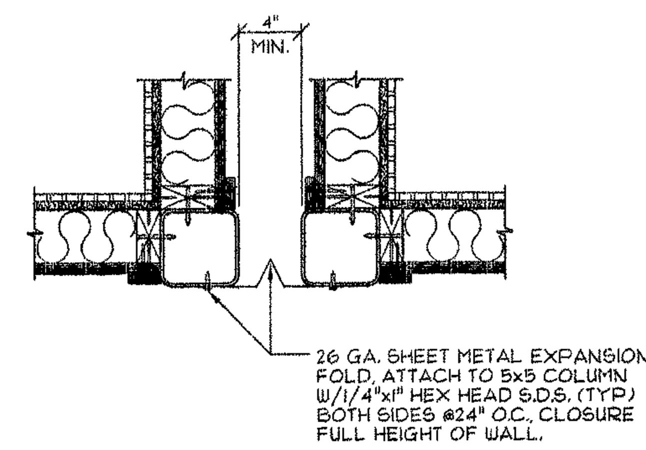
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

6 T.V. BRACKET BLOCKING DETAIL
SCALE: 1 1/2"=1'-0"

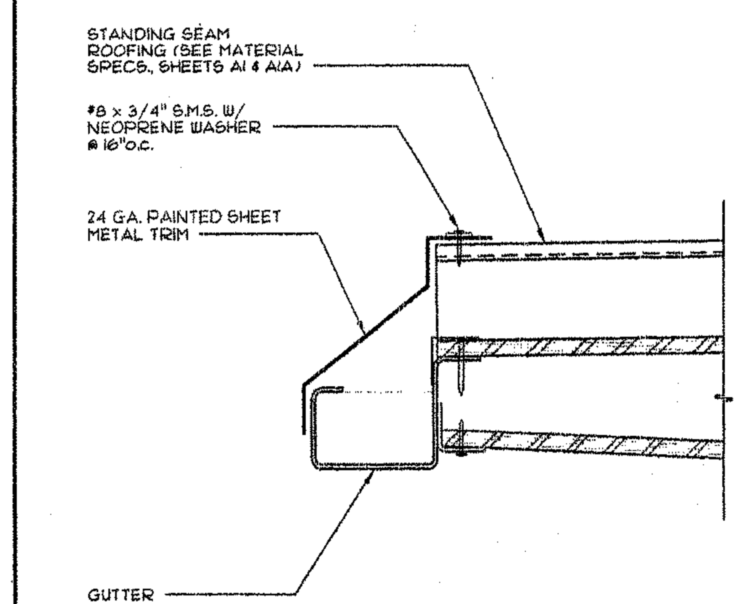


NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

7 PROJECTOR SCREEN BLOCKING
SCALE: 1 1/2"=1'-0"



8 CLOSURE PANEL DETAIL
SCALE: 1 1/2"=1'-0"



9 ROOFING CONCEALMENT TRIM
SCALE: 3"=1'-0"

10

DIVISION OF THE STATE ARCHITECT

PC
2001 C.B.C.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
AC ___ FLS ___ SS ___
DATE 5/29/03

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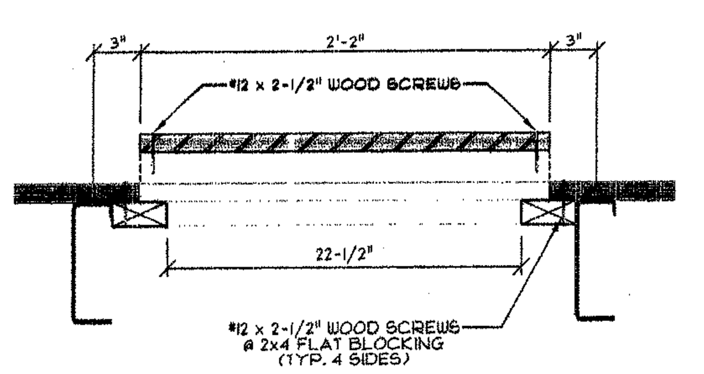
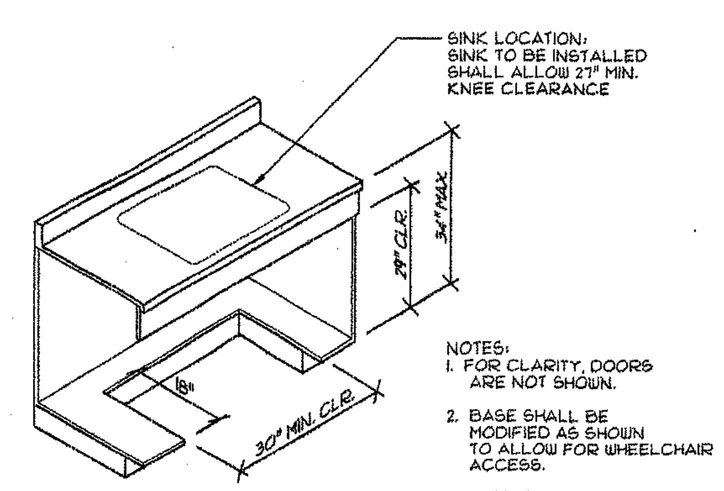
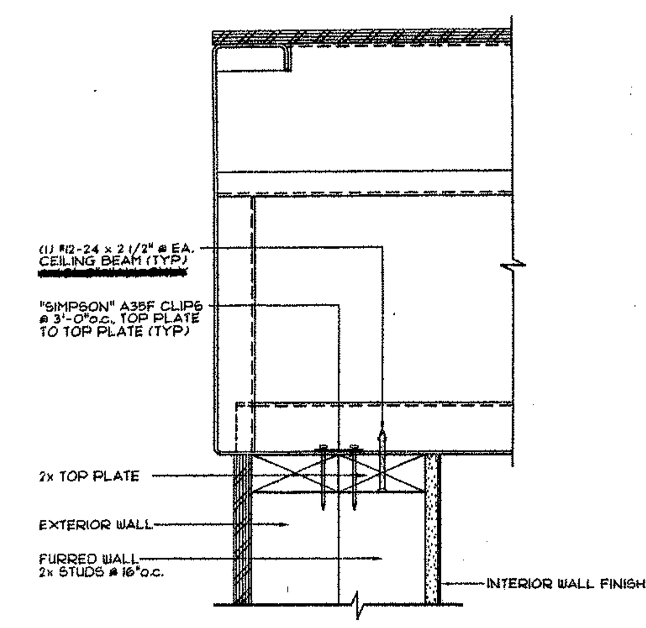


11 INTERIOR UNDERFLOOR ACCESS
SCALE: 1 1/2"=1'-0"



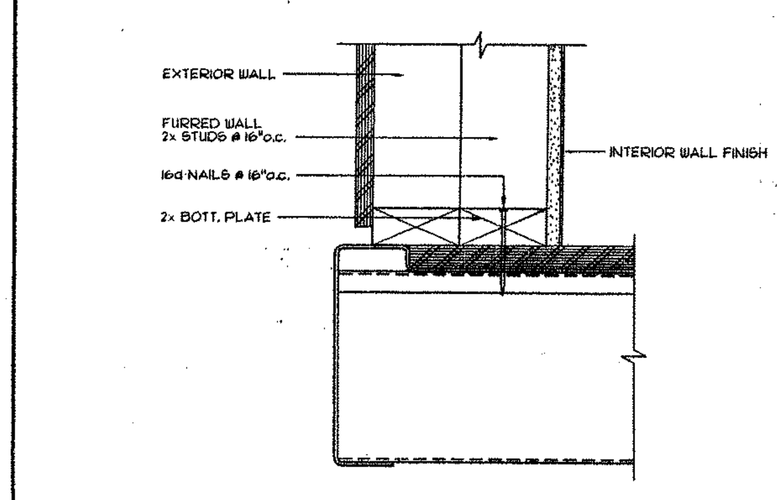
NOTES:
1. FOR CLARITY, DOORS ARE NOT SHOWN.
2. BASE SHALL BE MODIFIED AS SHOWN TO ALLOW FOR WHEELCHAIR ACCESS.
3. EXTEND FLOORING TO BACKSIDE OF REMOVABLE BASE

12 ACCESSIBLE CASEWORK @ SINK
SCALE: 1/2"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

13 FURRED WALL - TOP PLATE CONN.



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

14 FURRED WALL - BOTT. PLATE CONN.

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1156

REGISTERED PROFESSIONAL ENGINEER
LAWDER
NO. S2310
EXP. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

MISCELLANEOUS DETAILS

REV / DATE:	BY:

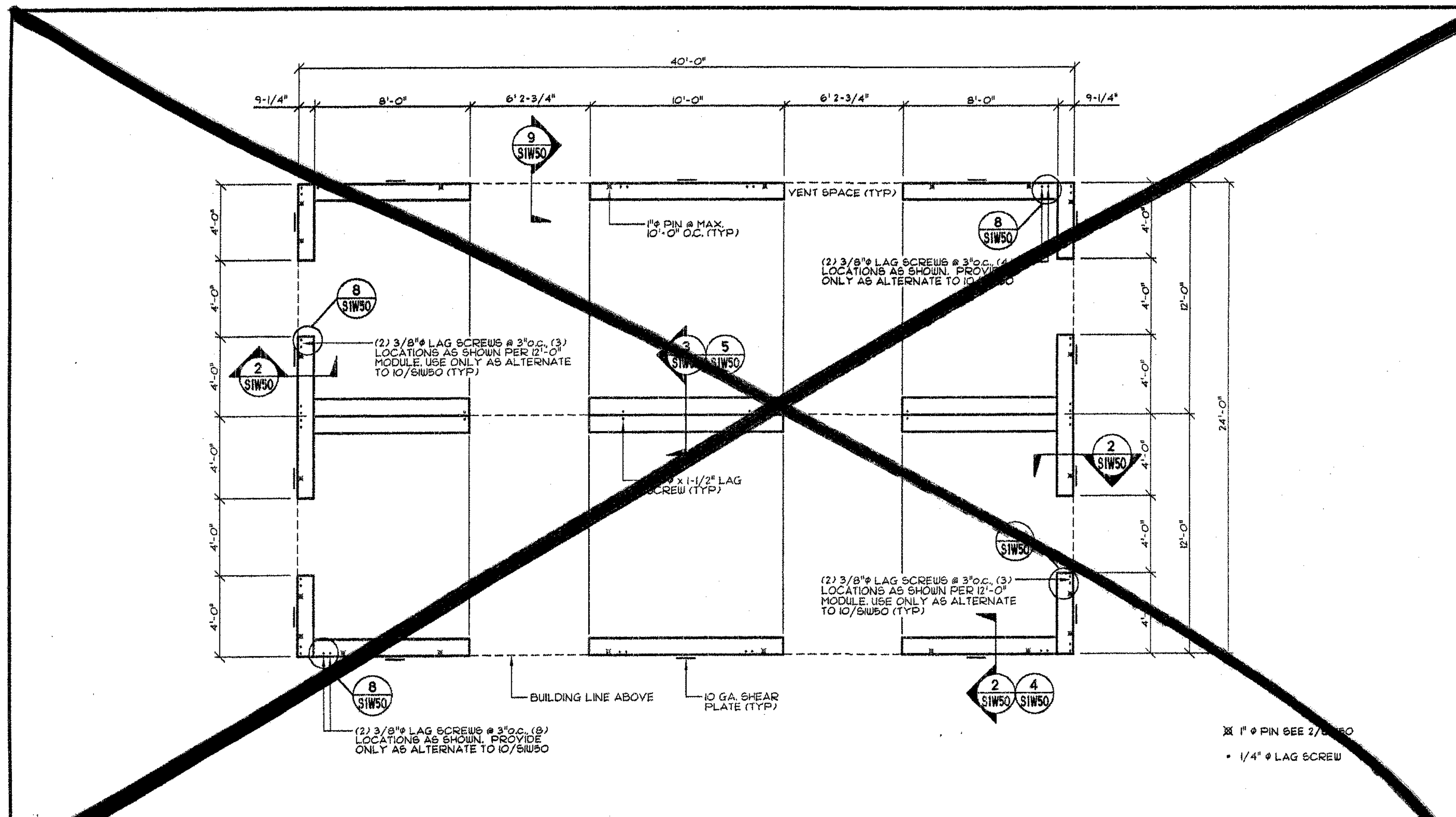
JOB No.:
DRAWN BY:
DATE:

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

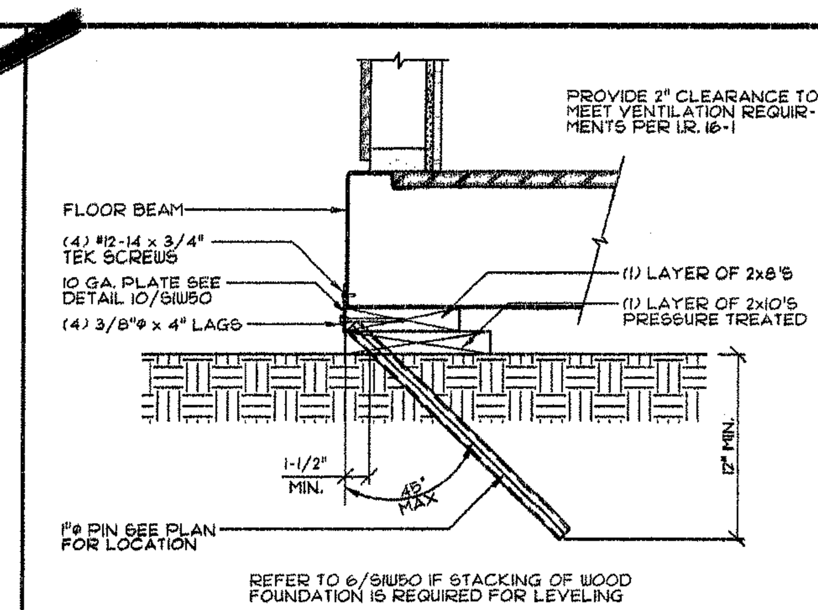
A5

24'x40' TO 180'x40' P.C.

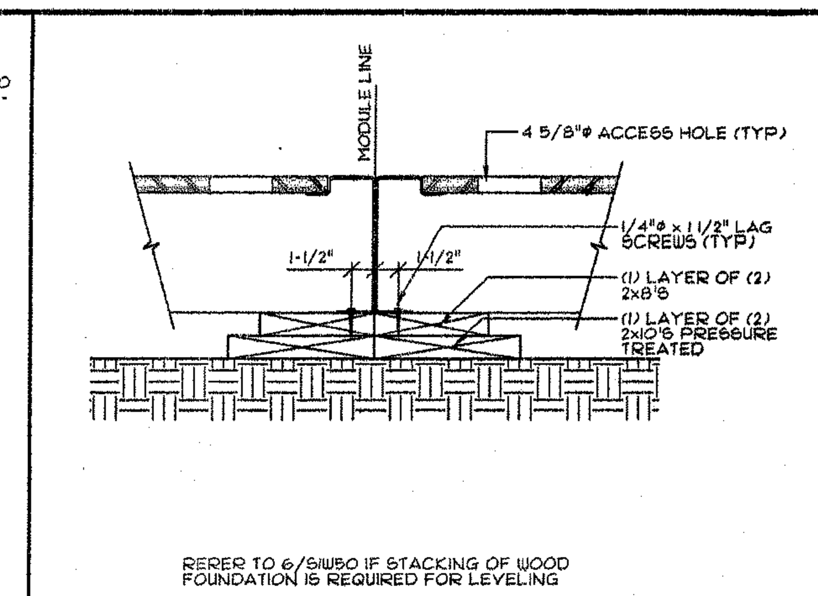
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



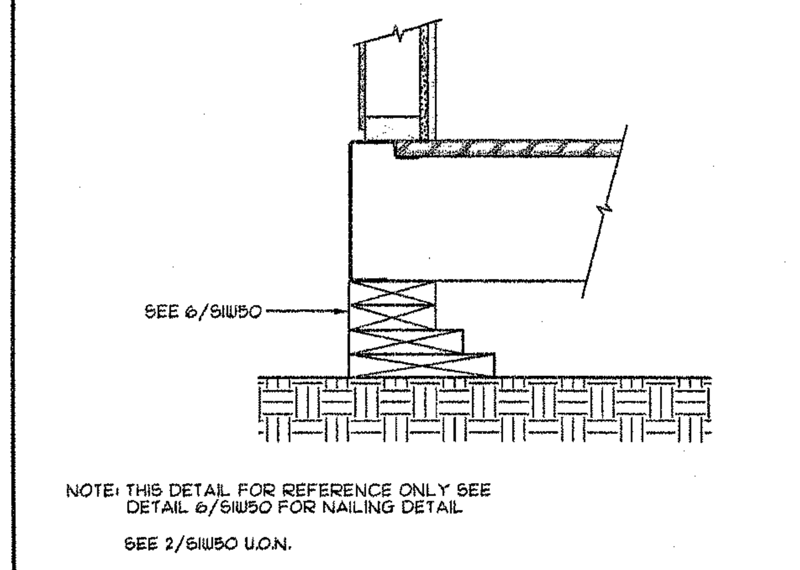
1 24' x 40' "50 P.S.F." WOOD FOUNDATION PLAN
SCALE: 1/4"=1'-0"



2 PERIMETER PIER DETAIL
SCALE: 1 1/2"=1'-0"

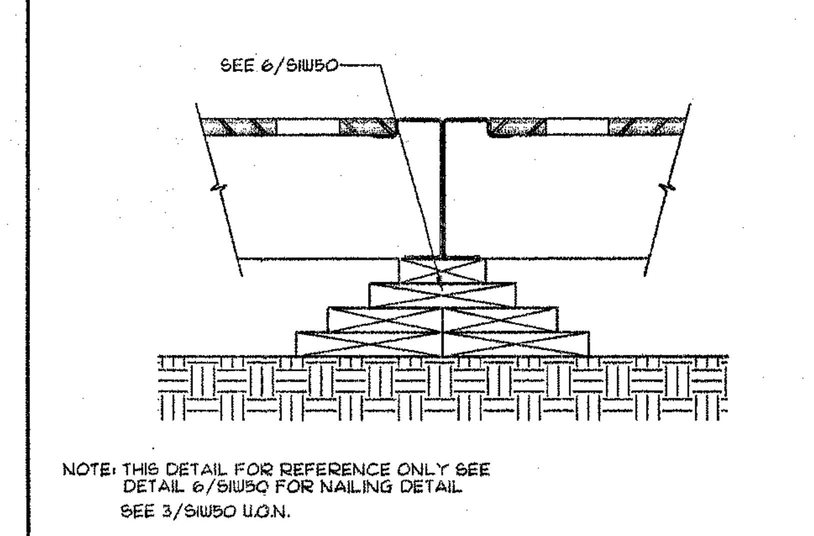


3 INTERIOR PIER DETAIL
SCALE: 1 1/2"=1'-0"



NOTE: THIS DETAIL FOR REFERENCE ONLY SEE DETAIL 6/S1W50 FOR NAILING DETAIL
SEE 2/S1W50 U.O.N.

4 PERIMETER PIER STACKING DETAIL
SCALE: 1 1/2"=1'-0"

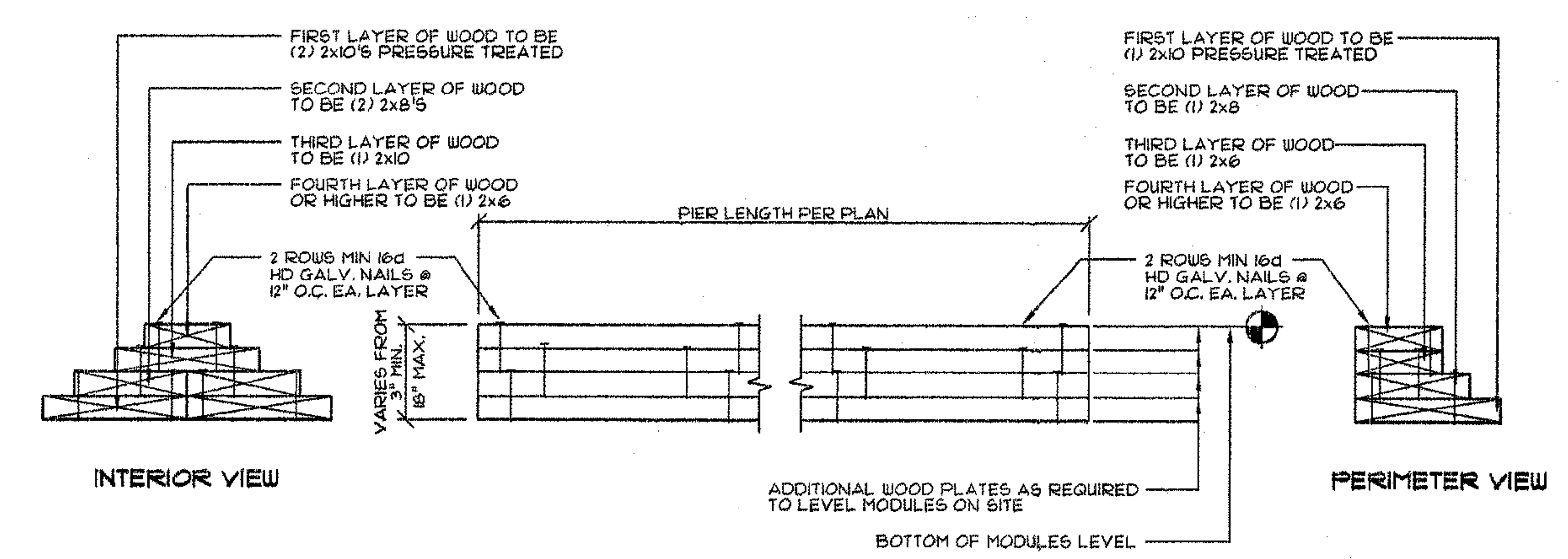


NOTE: THIS DETAIL FOR REFERENCE ONLY SEE DETAIL 6/S1W50 FOR NAILING DETAIL
SEE 3/S1W50 U.O.N.

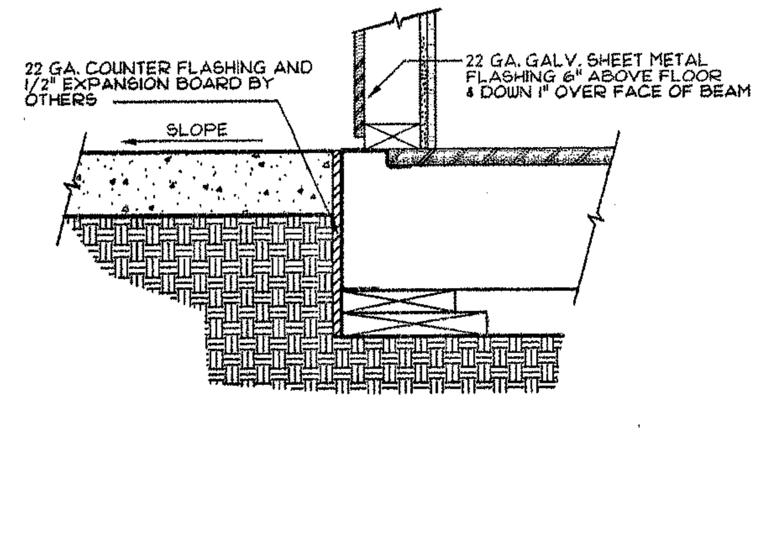
5 INTERIOR PIER STACKING DETAIL
SCALE: 1 1/2"=1'-0"

WOOD NOTES

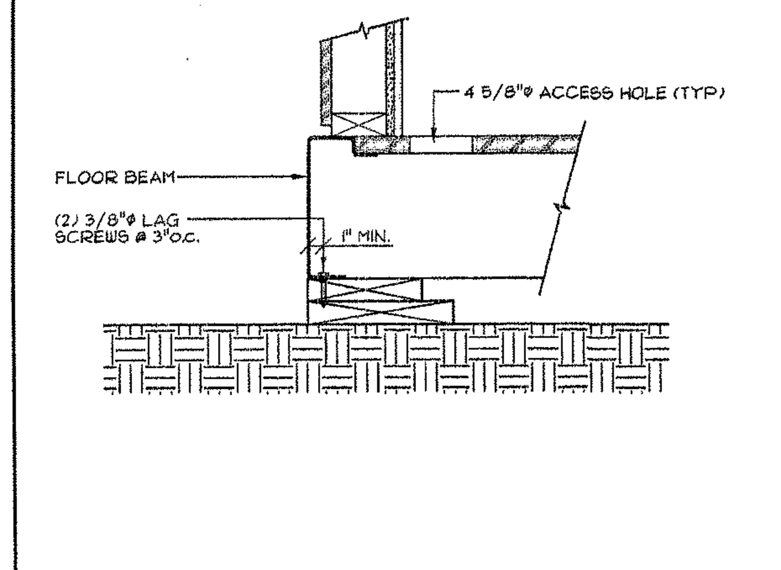
1. BOTTOM LAYER OF PIERS SHALL BE PRESSURE TREATED HEM FIR NO. 3 OR BETTER. FOUNDATION GRADE WOOD IN CONTACT WITH SOIL SHALL BE PRESERVATIVE TREATED AND SHALL BE STAMPED "FOR GROUND CONTACT". PRESERVATIVE TREATED MATERIAL SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING, "THE MATERIAL IN THIS UNIT WAS TREATED PER CALIFORNIA BUILDING CODE, SECTION 2303A3". EACH PIECE PRESSURE TREATED MATERIAL SHALL BE STAMPED WITH THE APPROPRIATE STAMP.
2. ALL NAILS SHALL BE CORROSIVE RESISTANT NAILS IN ACCORD. WITH SECTION 2318A3.4 C.B.C. HDG W/MIN. 1.0oz / SQ. FT. ZINC. LAG SCREWS SHALL BE STAINLESS STEEL OR CAD-PLATED.
3. SHIM PIERS AS REQUIRED WITH APA RATED PLYWOOD MADE WITH EXTERIOR GLUE. SHIMS SHALL BE CONTINUOUS ACROSS LENGTH OF PIERS AS FIELD CONDITIONS ALLOW. PLYWOOD SHIMS SHALL NOT BE IN DIRECT CONTACT WITH THE SOIL.
4. SOIL BEARING PRESSURE IS ASSUMED AT 1,000 P.S.F.
5. FOUNDATION SHOWN ON (2) LAYERS OF WOOD. ANY ADDITIONAL LAYERS OF WOOD ARE TO BE STACKED AS PER STACKING DETAILS 4, 5, & 6 ON THIS SHEET.
6. VENTILATION TO MEET REQUIRMENTS PER IR 16-1. PROVIDE 1 SQ. FT. OF VENTILATION FOR EACH 150 SQ. FT. OF UNDERFLOOR AREA (PROVIDE 2" MIN. CLR.)
7. ~~WOOD~~ PLATES TO HAVE A MIN. SPECIFIC GRAVITY OF 0.50.



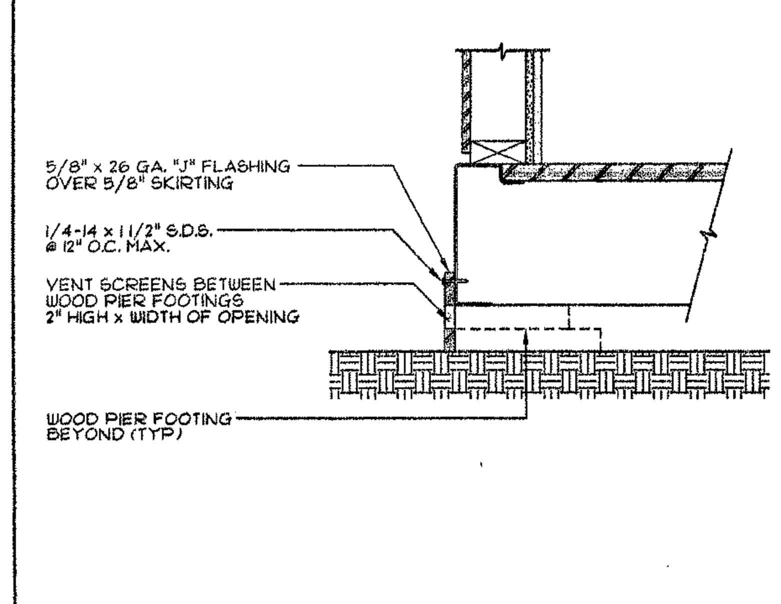
6 INTER-NAILING OF WOOD PIERS
SCALE: 1 1/2"=1'-0"



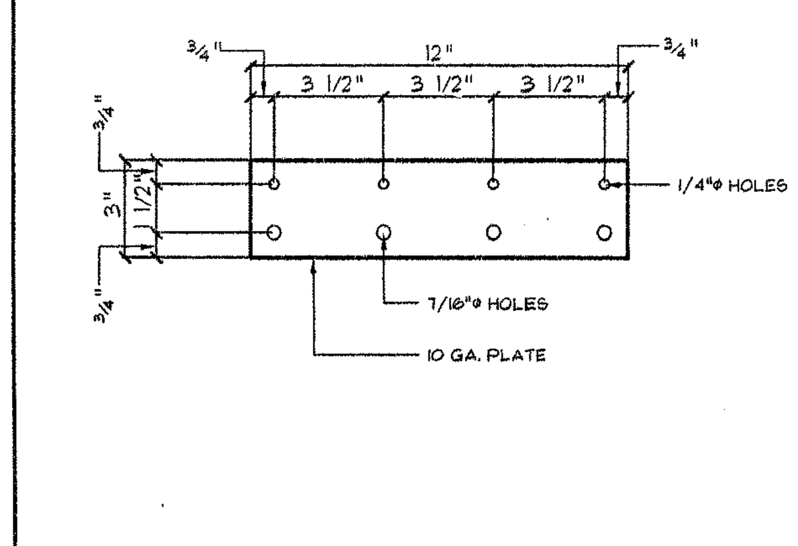
7 PERIMETER FLASHING DETAIL
SCALE: 1 1/2"=1'-0"



8 ALTERNATE PERIMETER DETAIL
SCALE: 1 1/2"=1'-0"



9 PERIMETER SKIRTING DETAIL
SCALE: 1 1/2"=1'-0"



10 SHEAR PLATE DETAIL
SCALE: 3"=1'-0"

DIVISION OF THE STATE ARCHITECT

FOR USE:
1) 20psf ROOF LIVE LOAD W/ 50psf FLOOR LIVE LOAD.
2) STANDARD BI-PITCH ROOF AND STANDARD SHED ROOF ONLY.

PC
2001 C.B.C.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
AC ✗ FLS ✗ SS ✓
DATE 5/29/03
24x40

7/18/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1166

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

50 P.S.F. WOOD
FOUNDATION PLAN,
PIER DETAILS, NOTES

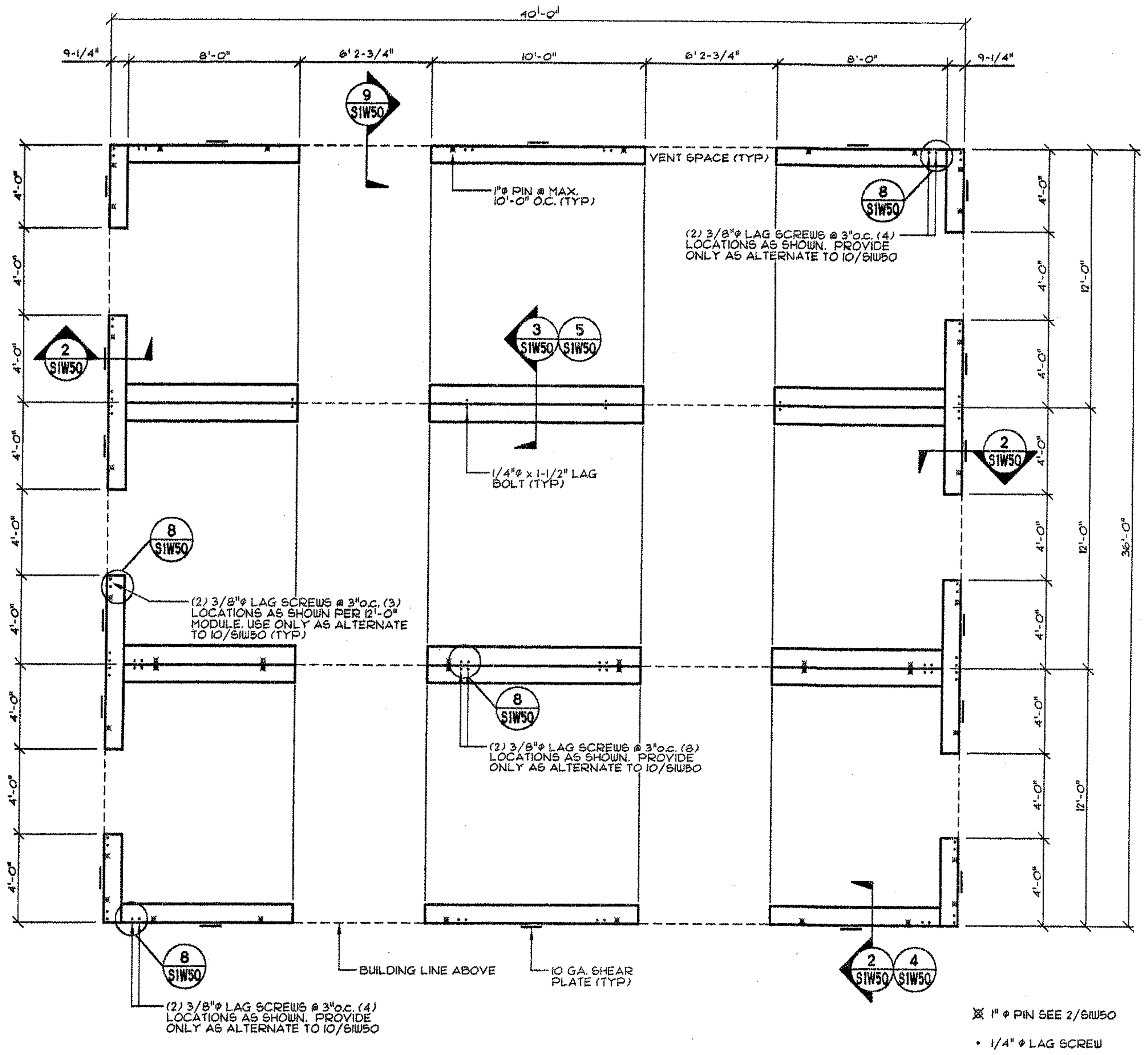
REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

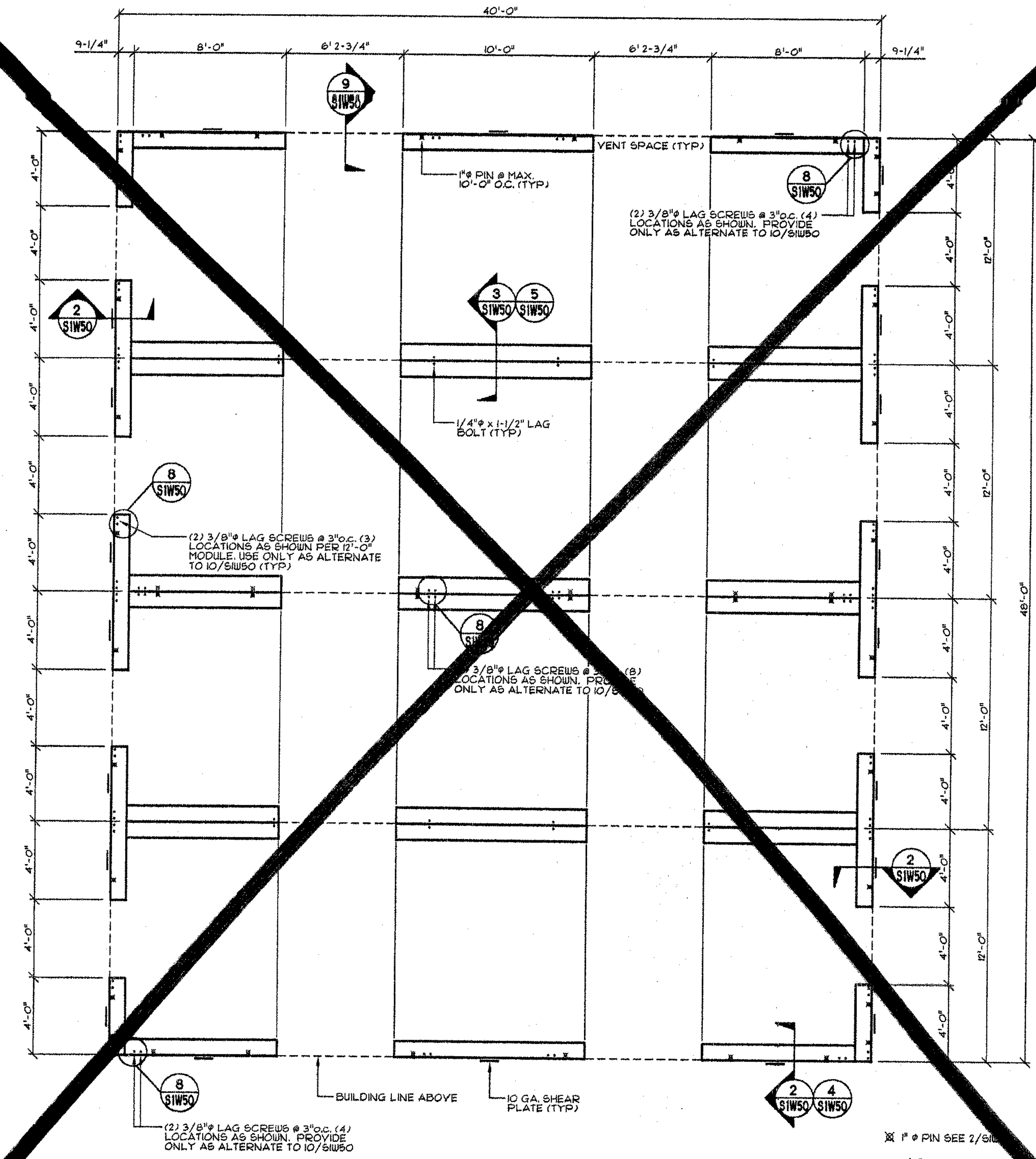
THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

S1W50

24'x40' TO 180'x40' P.C.



1 36' x 40' "50 P.S.F." WOOD FOUNDATION PLAN
SCALE: 1/4"=1'-0"



48' x 40' "50 P.S.F." WOOD FOUNDATION PLAN
SCALE: 1/4"=1'-0"

DIVISION OF THE STATE ARCHITECT

FOR USE:
1) 20psf ROOF LIVE LOAD W/ 50psf FLOOR LIVE LOAD.

PC
2001 C.B.C.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
FLS SS
DATE 6/23/03

11/18/03 SPP

APPROVALS

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Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1166

JOHN H. LAWDER
NO. S2310
EXP. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

50 P.S.F. WOOD FOUNDATION PLANS

REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

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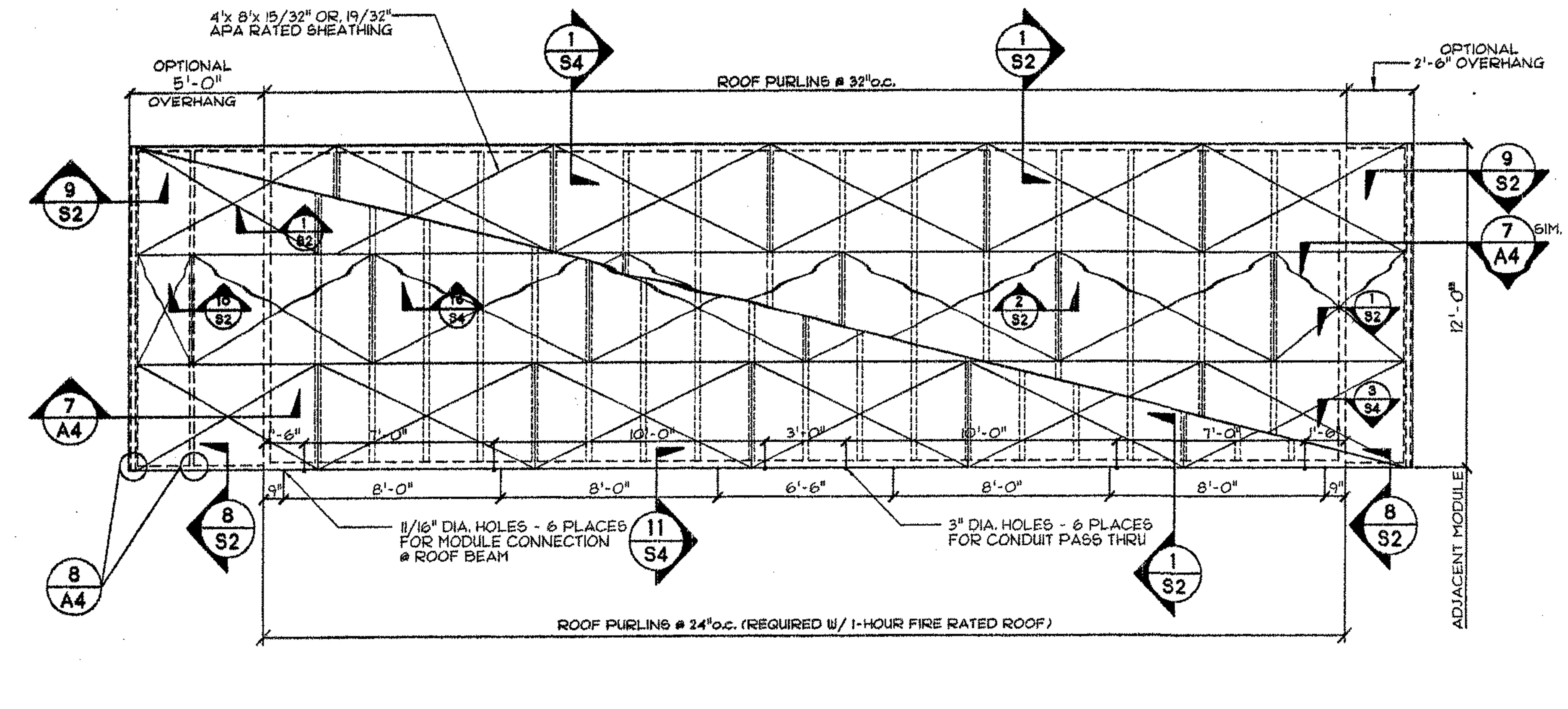
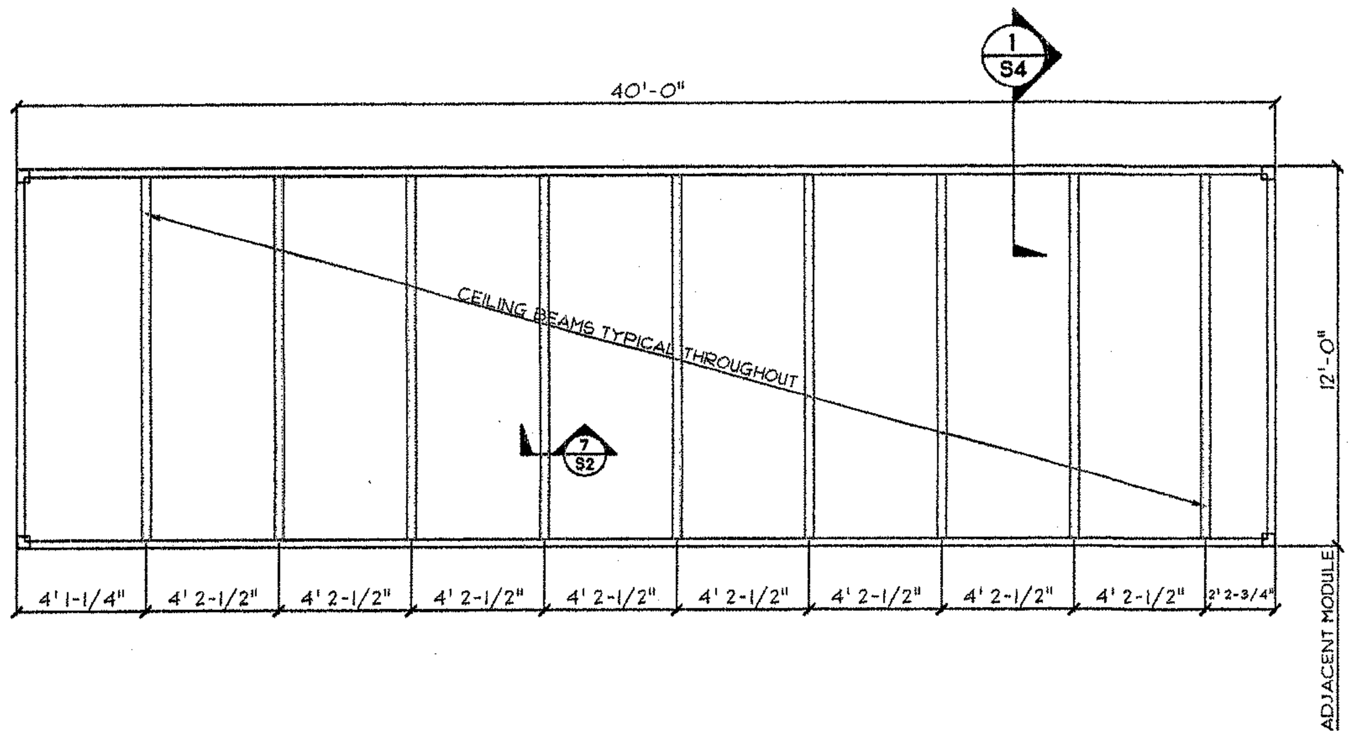
S1W50A

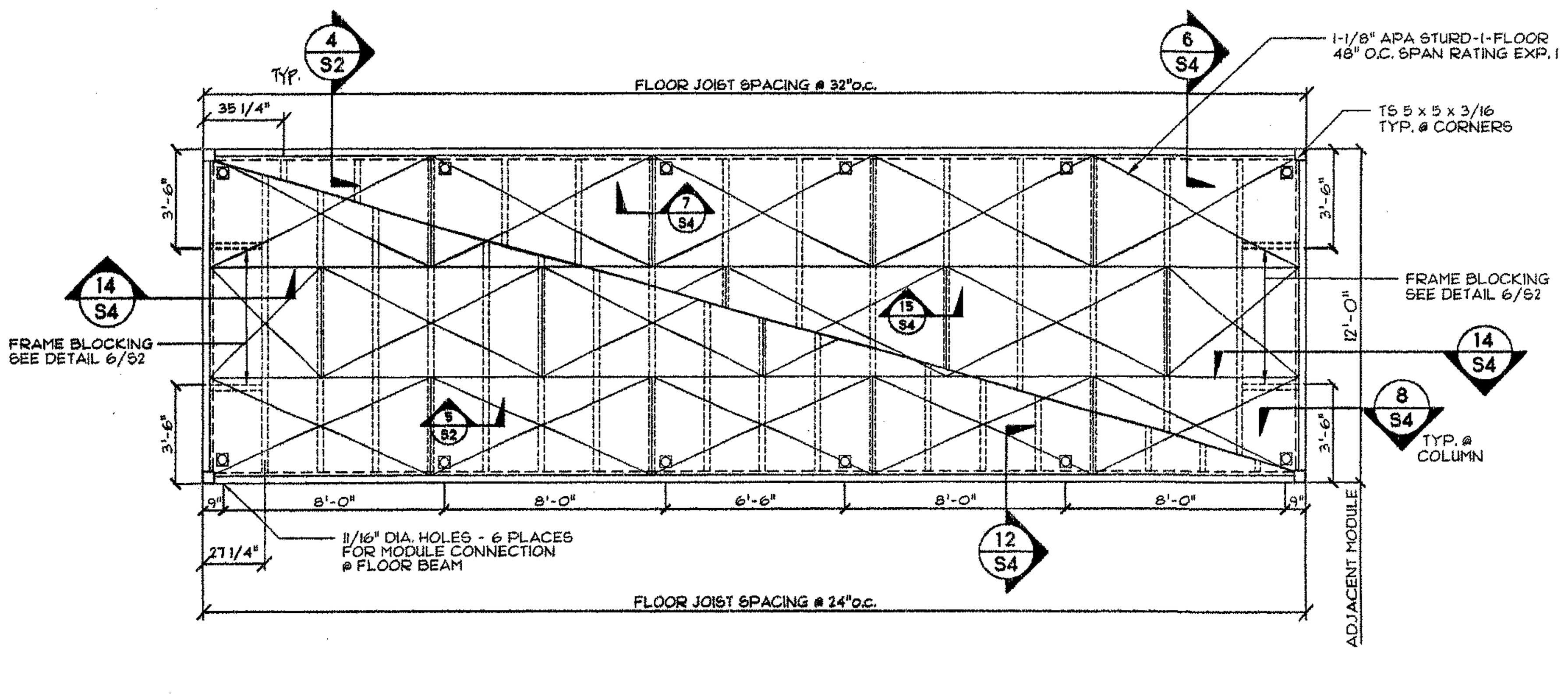
24'x40' TO 180'x40' P.C.



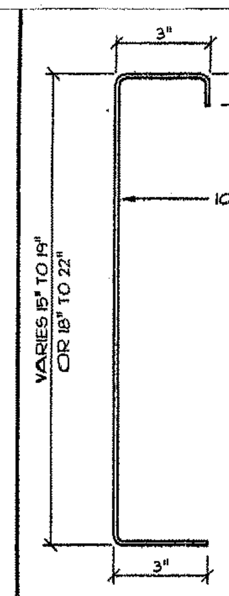
13 **ROOF FRAMING PLAN**
SCALE: 1/4"=1'-0"



14 **CEILING FRAMING PLAN**
SCALE: 1/4"=1'-0"

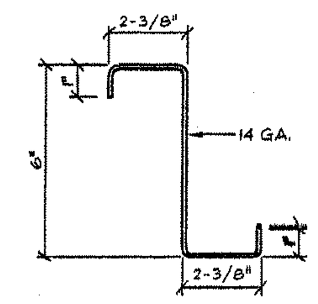


15 **FLOOR FRAMING PLAN**
SCALE: 1/4"=1'-0"



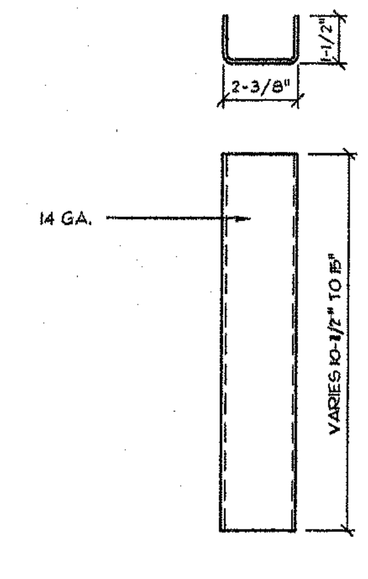
EFFECTIVE SECTION PROPERTIES				
	15"	19"	18"	22"
A	2.87 in²	3.41 in²	3.28 in²	3.82 in²
Ix min.	83.6 in⁴	151 in⁴	132 in⁴	219 in⁴
Sx min.	9.99 in³	14.5 in³	14.2 in³	19.4 in³

1 **ROOF BEAM SECTION**
SCALE: 3"=1'-0"

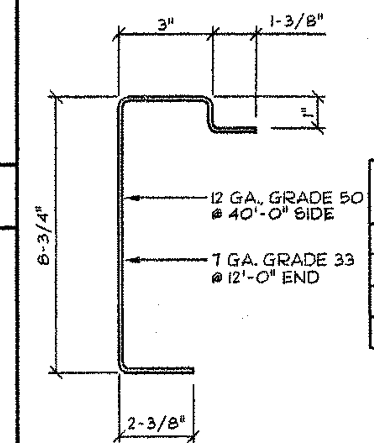


EFFECTIVE SECTION PROPERTIES	
A	.92 in²
Ix min.	5.11 in⁴
Sx min.	1.70 in³

2 **ROOF PURLIN SECTION**
SCALE: 3"=1'-0"

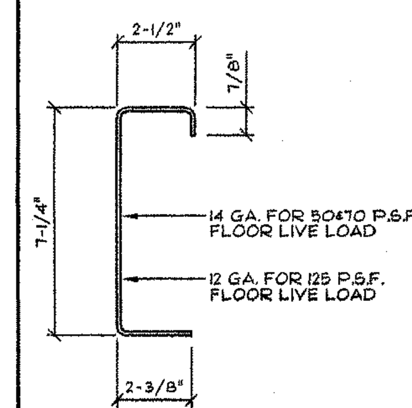


3 **ROOF BEAM STIFFENER**
SCALE: 3"=1'-0"



EFFECTIVE SECTION PROPERTIES		
A	1.52 in²	2.55 in²
Ix min.	16.5 in⁴	27.0 in⁴
Sx min.	3.47 in³	5.89 in³
GA.	12	7

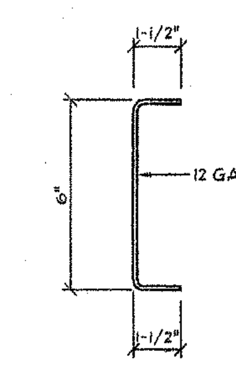
4 **FLOOR BEAM SECTION**
SCALE: 3"=1'-0"



EFFECTIVE SECTION PROPERTIES	
A	.93 in²
Ix min.	7.19 in⁴
Sx min.	1.87 in³
GA.	14

EFFECTIVE SECTION PROPERTIES	
A	1.29 in²
Ix min.	9.91 in⁴
Sx min.	2.59 in³
GA.	12

5 **FLOOR JOIST SECTION**
SCALE: 3"=1'-0"



EFFECTIVE SECTION PROPERTIES	
A	.89 in²
Ix min.	4.12 in⁴
Sx min.	1.34 in³

6 **FRAME BLOCKING SECTION**
SCALE: 3"=1'-0"

1. ALL STRUCTURAL STEEL SHALL BE ASTM A570 GRADE 36. UNLESS OTHERWISE NOTED
2. STRUCTURAL STEEL TUBING SHALL BE ASTM A500 GRADE B Fy=46
3. HIGH STRENGTH BOLTS SHALL BE ASTM A325.
4. ALL MACHINE BOLTS SHALL BE ASTM A307.
5. WELDING SHALL BE DONE PER C.B.C. SECTION 2205A.10 & AWS D 1.1 &D1.3.
6. WELDING INSPECTION TO BE PER C.B.C. SECTION 2231A.5
7. SEE TESTS AND INSPECTIONS REPORT SHEET A0 FOR REQUIREMENTS.
8. LIGHT GAGE METAL & FRAMING THICKNESSES

GAGE	DESIGN THICKNESS	MIN. DELIVERED THICKNESS
7 GA. STEEL	.1793"	.170"
10 GA. STEEL	.1345"	.128"
12 GA. STEEL	.1046"	.0994"
14 GA. STEEL	.0747"	.0710"

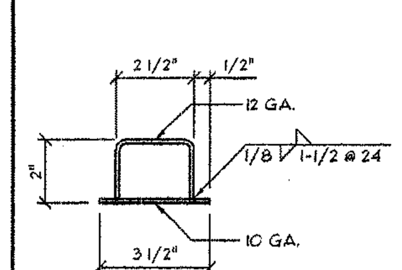
R = 3/16" MAX.
TYPICAL CORNER RADIUS

9. MINIMUM STEEL THICKNESS SHALL NOT BE LESS THAN 95% OF THE DESIGN THICKNESS
10. PER C.B.C. SECTION 2217A

STEEL SPECIFICATION

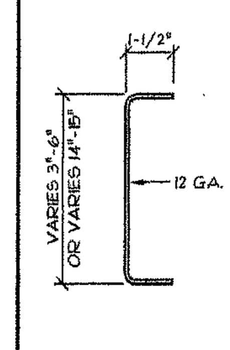
1. ALL STRUCTURAL PLYWOOD SHALL BE MANUFACTURED TO C.B.C. STANDARD 23-2 (BASED ON PRODUCT STANDARD PS1-95) AND INSPECTED AND GRADE MARKED AT THE MILL BY AN APPROVED QUALITY CONTROL AGENCY SUCH AS APA OR TECO.
2. ROOF SHEATHING SHALL BE 4'x 8'x 15/32" GRADE MARKED 32/16 SPAN INDEX, EXP. 1 OR 19/32" GRADE MARKED 40/20 SPAN INDEX, EXP.1.
3. FLOOR SHEATHING SHALL BE 4'x 8'x 1-1/8" T & G APA OR TECO RATED UNDERLAYMENT GRADE STURD-I-FLOOR OR EQUAL, SPAN RATING = 48".
4. WALL SHEATHING SHALL BE 3/8" HARDBOARD SIDING APA EXTERIOR TYPE 303 GROUP II M.D.O., EXTERIOR GROUP II, OR OPTIONAL 5/8" T1-11 APA EXTERIOR SIDING.
5. SEE FASTENER SCHEDULE, "S3" SHEETS.

SHEATHING / PLYWOOD SPECIFICATION



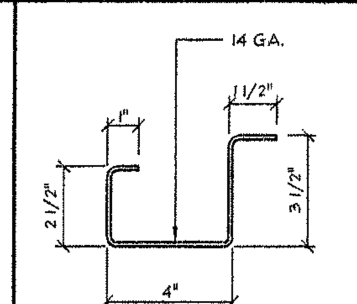
EFFECTIVE SECTION PROPERTIES	
A	1.11 in²
Ix min.	.79 in⁴
Iy min.	1.16 in⁴
Sx min.	.63 in³
Sy min.	.66 in³

7 **CEILING BEAM SECTION**
SCALE: 3"=1'-0"



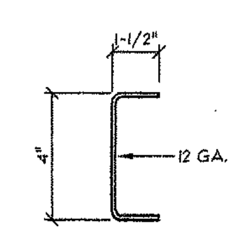
EFFECTIVE SECTION PROPERTIES				
	3"	6"	14"	15"
A	.57in²	.89in²	1.74in²	1.85in²
Ix min.	.78in⁴	4.12in⁴	37.1in⁴	44.6in⁴
Sx min.	.50in³	1.34in³	5.30in³	5.94in³

8 **OVERHANG BEAM**
SCALE: 3"=1'-0"



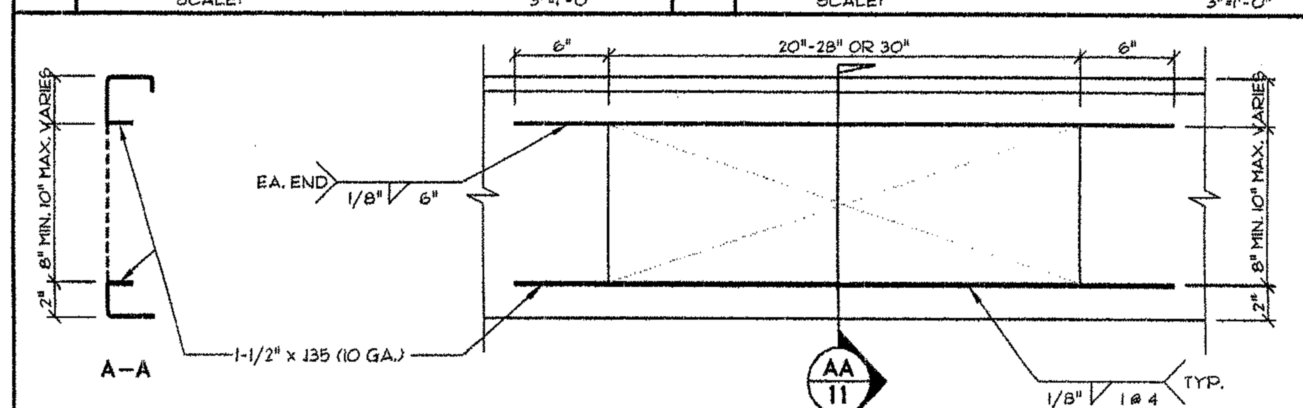
EFFECTIVE SECTION PROPERTIES	
A	.87in²
Ix min.	1.18in⁴
Sx min.	.69in³

9 **GUTTER BEAM SECTION**
SCALE: 3"=1'-0"



EFFECTIVE SECTION PROPERTIES	
A	.69in²
Ix min.	1.58in⁴
Sx min.	.79in³

10 **INTERMEDIATE CHANNELS**
SCALE: 3"=1'-0"



11 **HVAC HOLE @ ROOF BEAM**
SCALE: 1-1/2"=1'-0"

DIVISION OF THE STATE ARCHITECT

PC
2001 C.B.C.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
AC ___ FLS ___ SS ✓
DATE 5/29/02

7/15/05 SPP

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1166

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

BI-PITCH ROOF, CEILING, & FLOOR FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES

20 P.S.F. SNOW LOAD

REV / DATE:	BY:

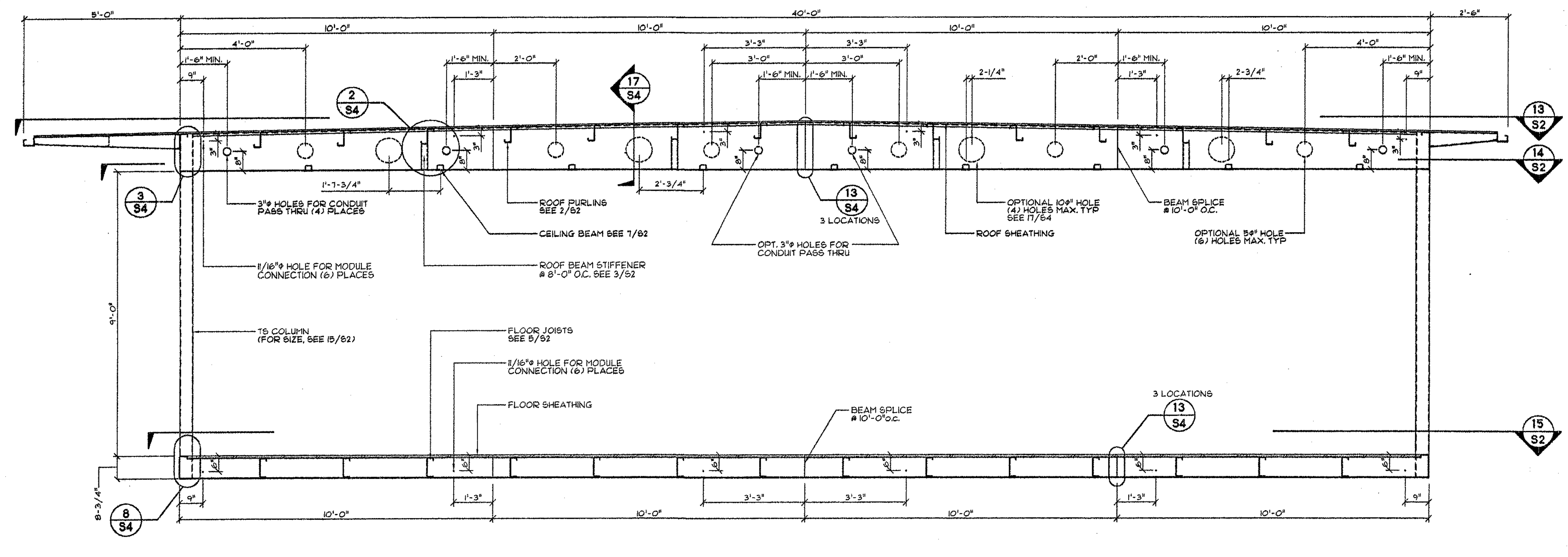
JOB No.:
DRAWN BY:
DATE:

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

S2

24'x40' TO 180'x40' P.C.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



1 TYPICAL LONGITUDINAL FRAME SECTION - BI-PITCH ROOF
SCALE: 1/2"=1'-0"

WALL TO FRAME FASTENING

WALL PANEL TOP PLATE TO PERIMETER ROOF BEAM. ---------(1) 1/4"φ x 2" LAG SCREWS FROM ROOF BEAM BOTTOM FLANGE INTO TOP PLATE @ 15"o.c. MAX.

WALL PANEL BOTTOM PLATE TO PERIMETER FLOOR BEAM. --------1/4"-20 TEKS/4 SCREWS @ 32"o.c. FROM BOTT. PLATE INTO FLOOR BEAM TOP FLANGE

WALL PANEL SIDE STUDS TO TS CORNER COLUMNS ---------#12-24 x 2 1/2" S.D.S. @ 16"o.c. FROM SIDE STUD INTO STEEL CORNER COLUMN.

TOP AND BOTTOM PLATE TO STUDS AND KING STUDS ---------(2) .135 x 3 1/4" LONG MACHINE NAIL

DOUBLE STUDS, TRIMMERS, SILLS AND CRIPPLES FACE NAILED -----(1) .135 x 3 1/4" LONG MACHINE NAILS @ 12"o.c.

CRIPPLES, TRIMMERS END NAILED TO PLATES AND SILLS. ----(2) .135 x 3 1/4" LONG MACHINE NAIL EA. END

CRIPPLES, TRIMMERS NAILED TO HEADERS. ---------------(2) .135 x 3 1/4" LONG MACHINE NAIL

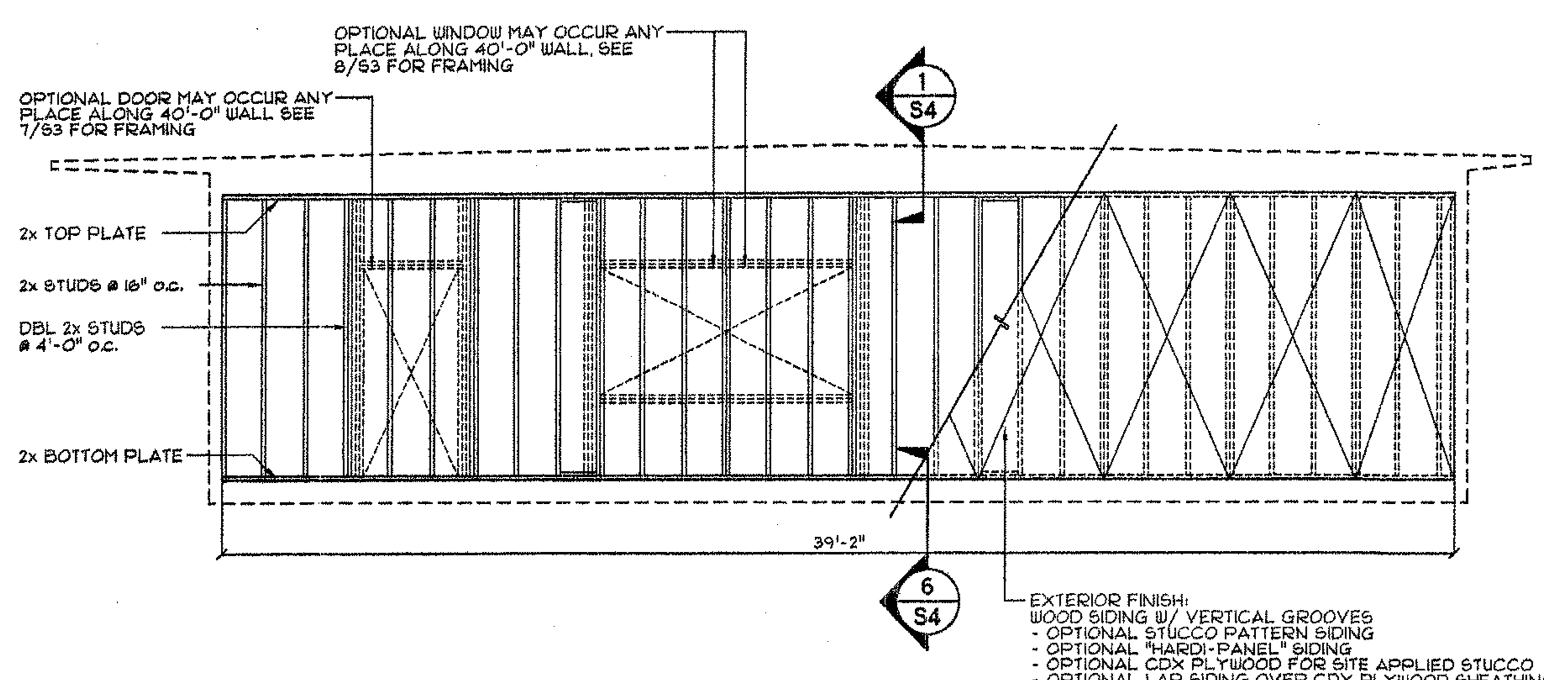
ALL HANGERS, STRAPS, CLIPS ETC. -------TO BE NAILED AS PER MANUFACTURERS SPECIFICATIONS

SHEATHING / PLYWOOD NAILING & NOTES

1. DO NOT CRUSH PLYWOOD FACE PLY (OUTER VENEER LAYER) BY OVER DRIVING SCREWS, MACHINE OR HAND NAILS.
2. UNDER DRIVEN NAILS SHALL BE CORRECTED BY HAND SET.
3. REMOVE AND REPLACE NAILS DRIVEN THAT MISS FRAMING OR SUPPORT.
4. ALL CORRECTIVE NAILING SHALL BE DONE BY HAND NAILING.
5. H.D.G = HOT DIPPED GALVANIZED WITH MINIMUM COATING OF 1 OZ PER SQ. F.T OF ZINC. OR MECHANICALLY GALVANIZED PER ASTM. F-1667.

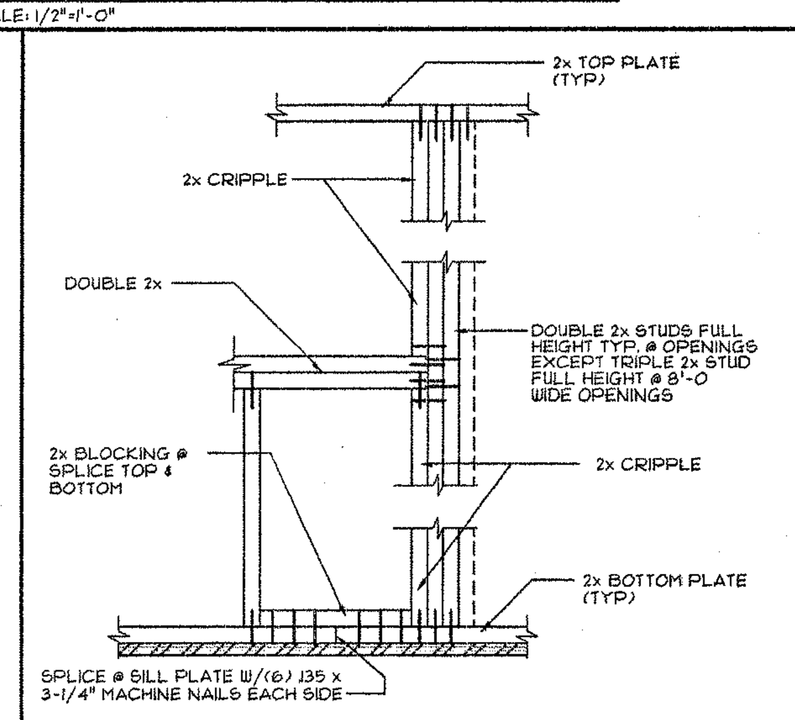
FLOOR		
1-1/8" APA RATED T&G STURDI-FLOOR TO BEAM & JOISTS	SHEET EDGES @ BEAM & JOIST	.144 x 1 3/4" PIN @ 6"o.c.
	FIELD @ JOIST	.144 x 1 3/4" PIN @ 10"o.c. (ICBO 4144)
ROOF		
15/32" APA RATED PLYWOOD TO PURLINS & BEAMS (OPT. 19/32" PLYWOOD ROOF)	SHEET EDGES @ BEAM & PURLIN	.144 x 1 1/4" PIN @ 6"o.c.
	FIELD @ PURLIN	.144 x 1 1/4" PIN @ 12"o.c. (ICBO 4144)
SIDING		
EXTERIOR SIDING TO 2x4 OR 2x6 STUDS	SHEET EDGES	.131" x 2 1/2" @ 6"o.c. H.D.G. OR MECHANICALLY GALV. NAILS
	FIELD	.131" x 2 1/2" @ 12"o.c. H.D.G. NAILS MECHANICALLY GALV. NAILS
GYPSUM WALLBOARD		
1/2" GYP. BOARD TO 2x4 OR 2x6 STUDS	SHEET EDGES	.121 x 1 1/2" COATED NAILS @ 8"o.c.
	FIELD	.121 x 1 1/2" COATED NAILS @ 8"o.c.
OVERHANG SOFFIT		
1/2" APA RATED SHEATHING	SHEET EDGES	#8 x 1" WOOD SCREW @ 6" O.C.
	FIELD	#8 x 1" WOOD SCREW @ 12" O.C.

2 NAILING SCHEDULE



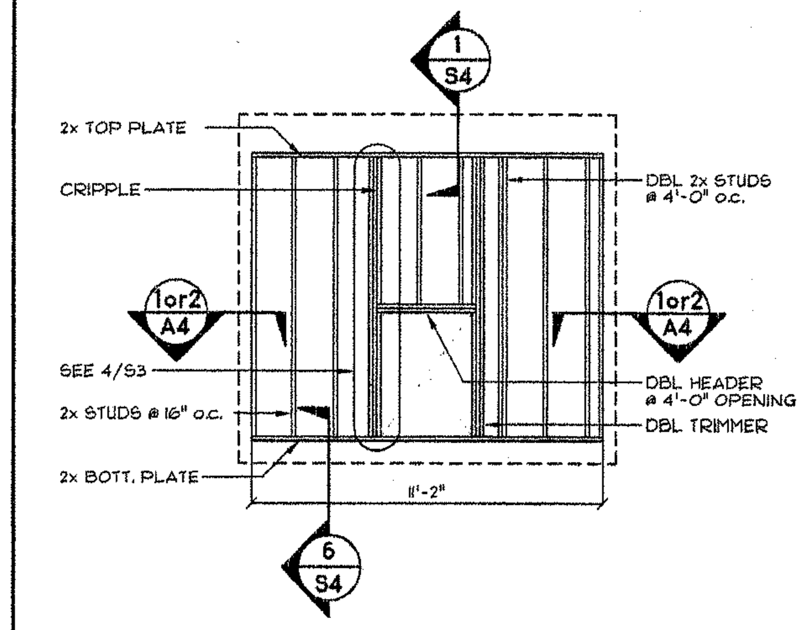
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

3 TYPICAL WALL FRAMING ELEVATION @ 40'-0" SIDE
SCALE: 1/4"=1'-0"



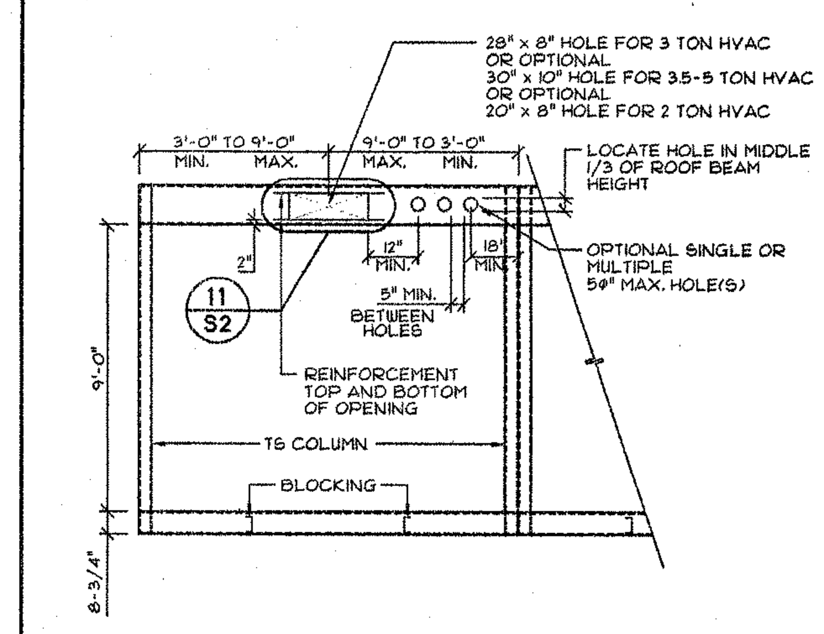
NOTE: 2x4 OR 2x6 STUDS MAY BE USED. SEE NAILING SCHEDULE, THIS SHEET

4 STUD NAILING DETAIL
SCALE: 1"=1'-0"

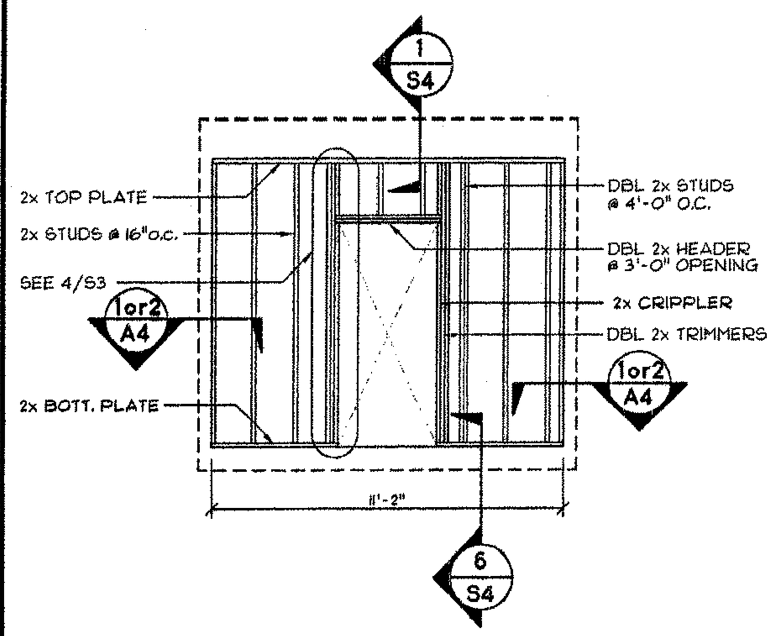


NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

5 WALL FRAMING - INTERIOR HVAC
SCALE: 1/4"=1'-0"

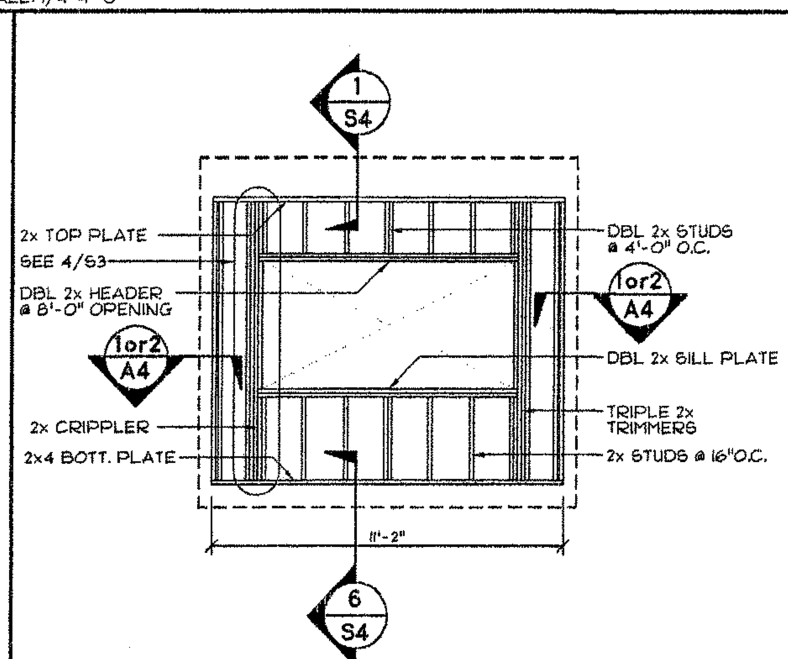


6 END FRAME ELEVATION
SCALE: 1/4"=1'-0"



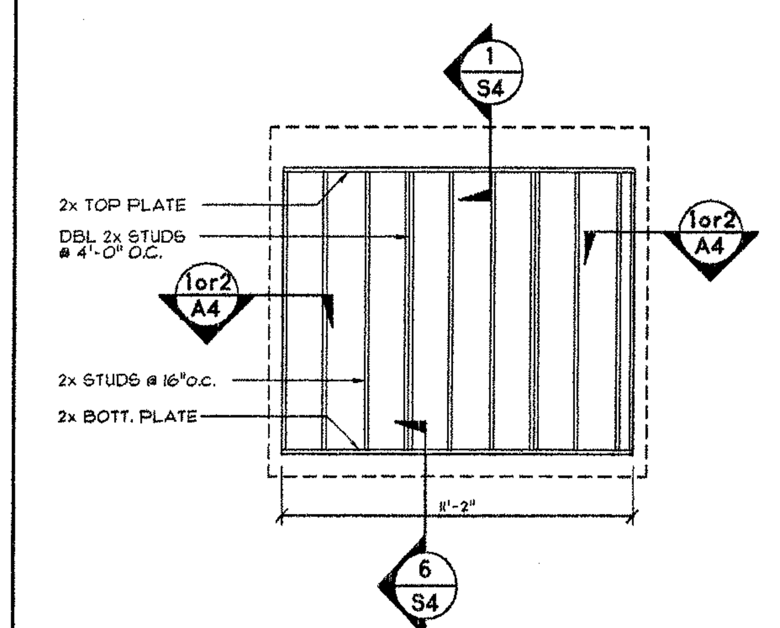
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

7 WALL FRAMING - EXTERIOR DOOR
SCALE: 1/4"=1'-0"



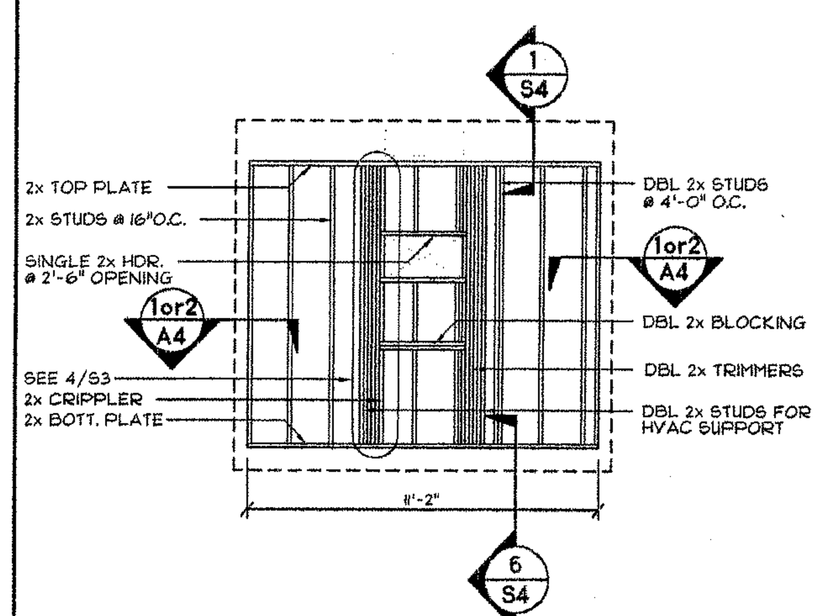
NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

8 WALL FRAMING - EXTERIOR WINDOW
SCALE: 1/4"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

9 WALL FRAMING - TYP. 12'-0" WALL
SCALE: 1/4"=1'-0"



NOTE: 2x4 OR 2x6 STUDS MAY BE USED.

10 WALL FRAMING - EXTERIOR HVAC
SCALE: 1/4"=1'-0"

DIVISION OF THE STATE ARCHITECT

PC
2001 C.B.C.

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
AC FLS SS
DATE 6/29/03
24x40

9/15/05

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16TH STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1166

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

BI-PITCHED ROOF
LONGITUDINAL BUILDING SECTION, WALL FRAMING ELEVATIONS, END FRAME ELEVATION, NAIL SCHEDULE

20 P.S.F. SNOW LOAD

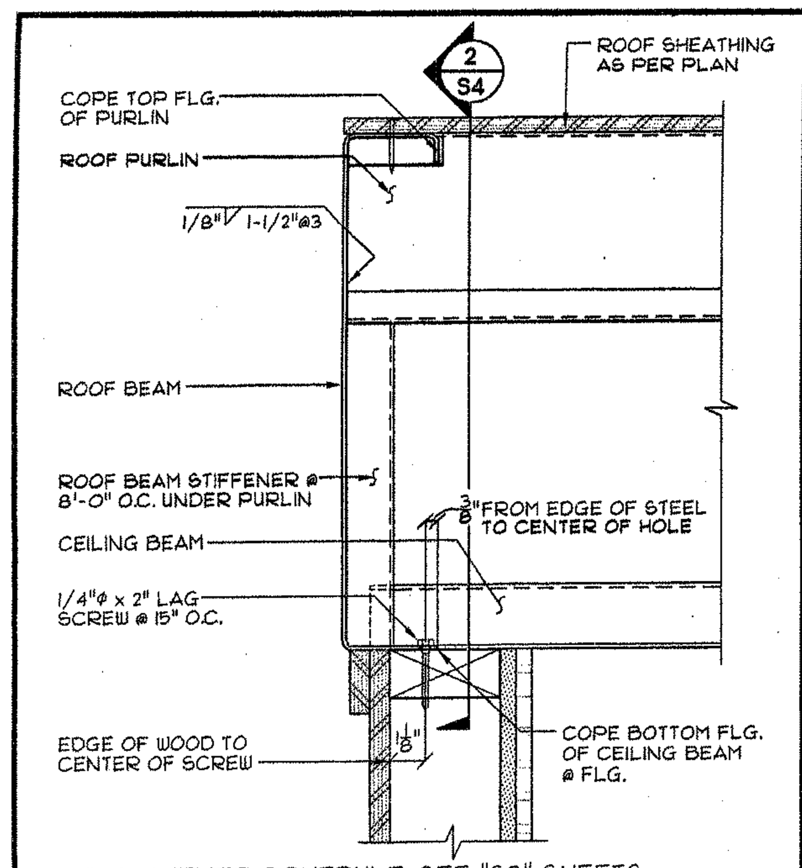
REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

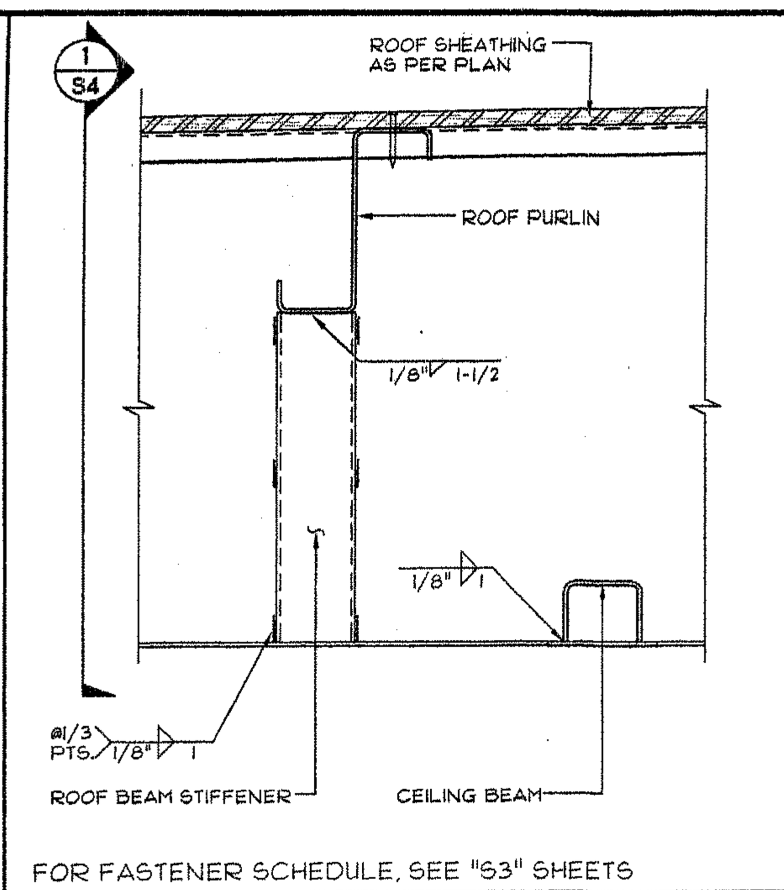
THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

24'x40' TO 180'x40' P.C.

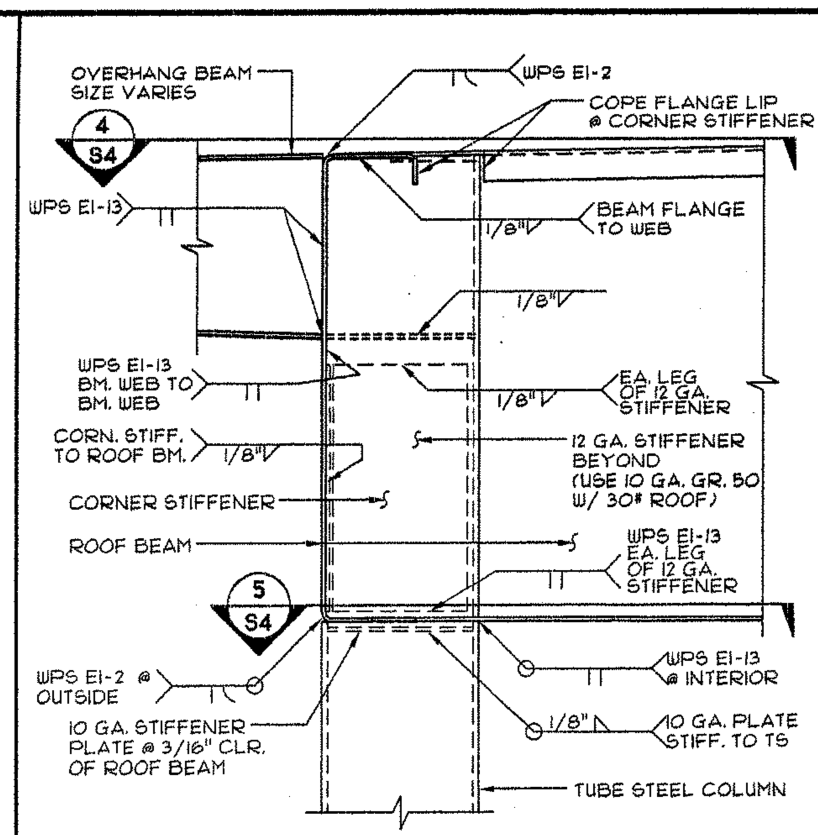
S3



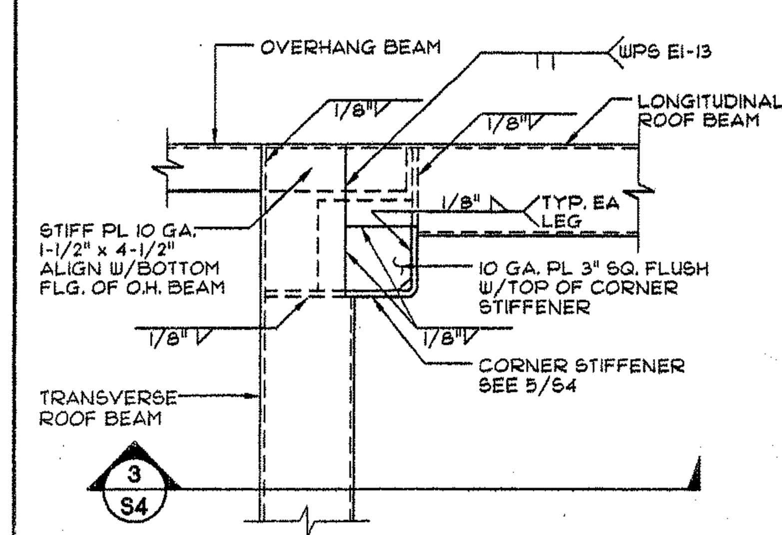
1 ROOF BEAM SECTION @ PURLIN
SCALE: 3"=1'-0"



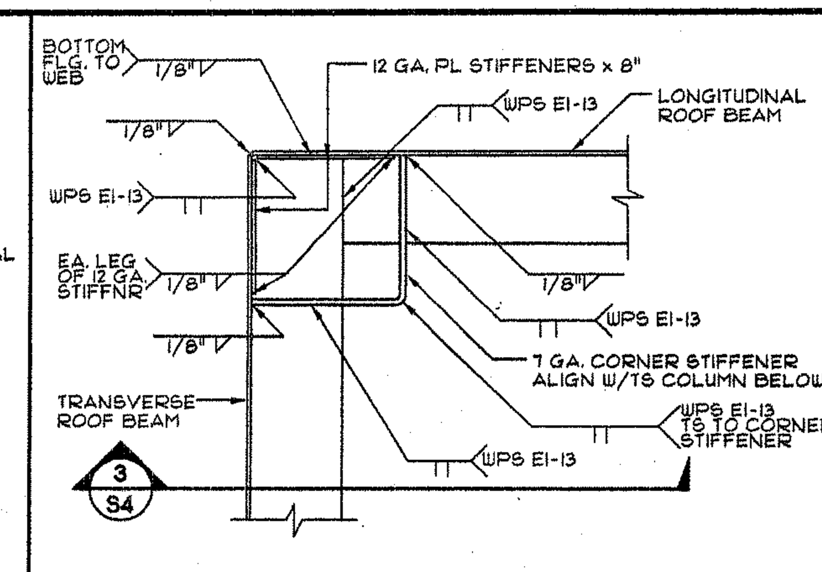
2 PURLIN TO STIFFENER AT BEAM
SCALE: 3"=1'-0"



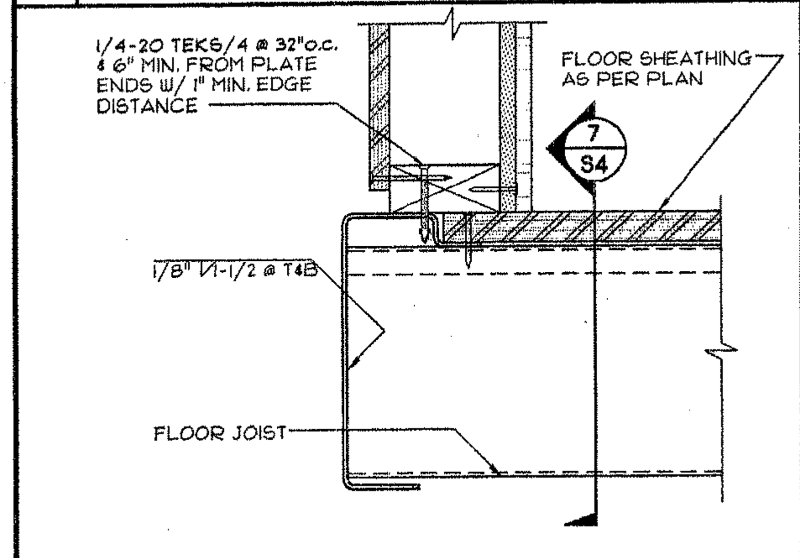
3 ROOF BEAM SECTION @ CORNER
SCALE: 3"=1'-0"



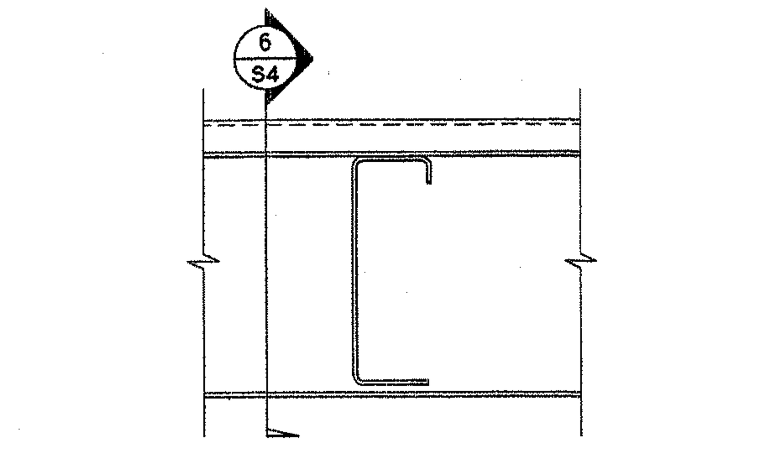
4 ROOF BEAM TOP FLANGE
SCALE: 3"=1'-0"



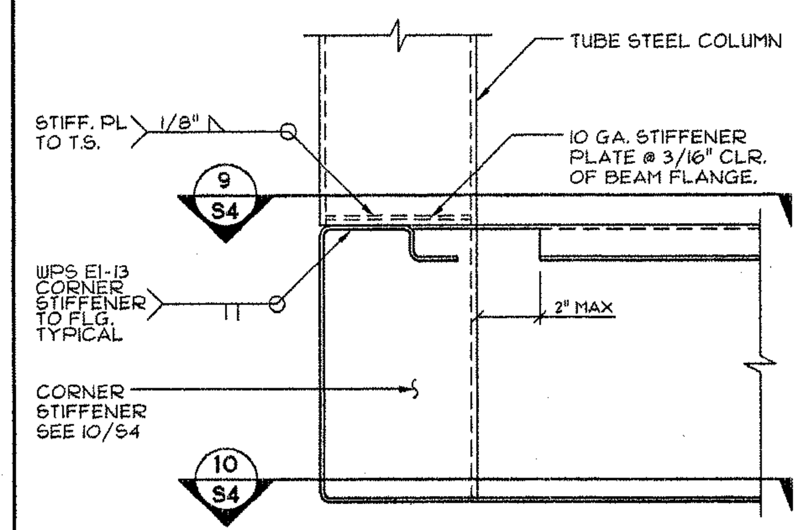
5 ROOF BEAM BOTTOM FLANGE
SCALE: 3"=1'-0"



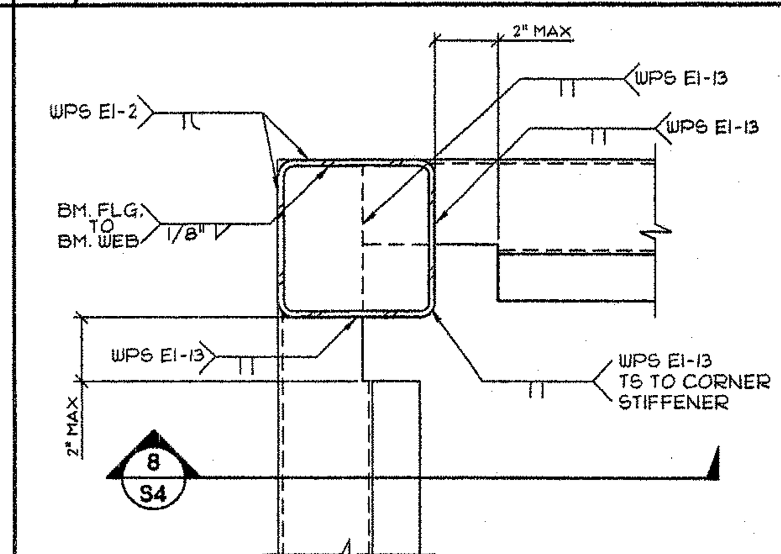
6 FLOOR BEAM @ JOIST CONNECTION
SCALE: 3"=1'-0"



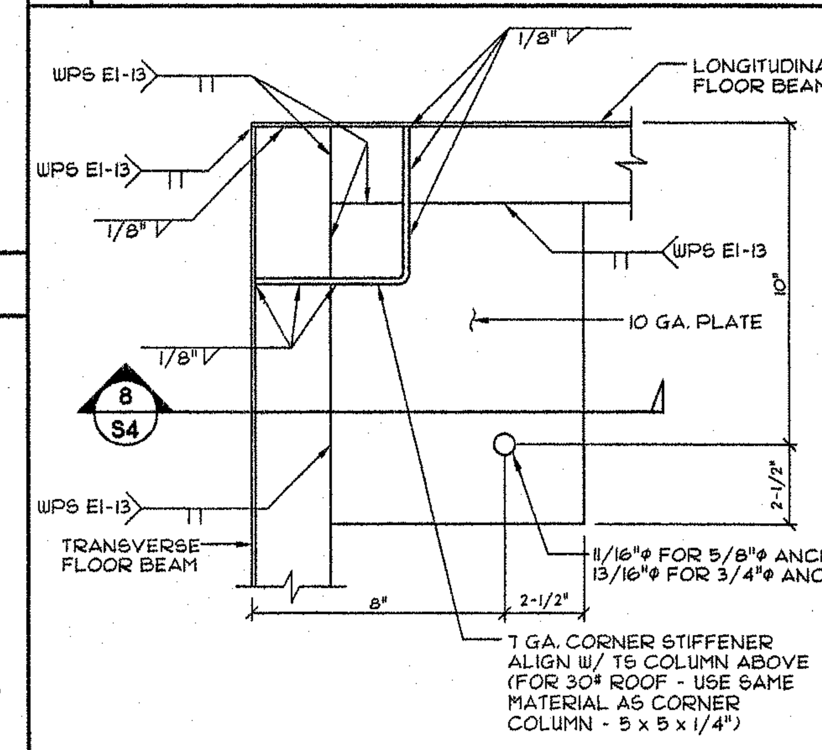
7 JOIST TO BEAM CONNECTION
SCALE: 3"=1'-0"



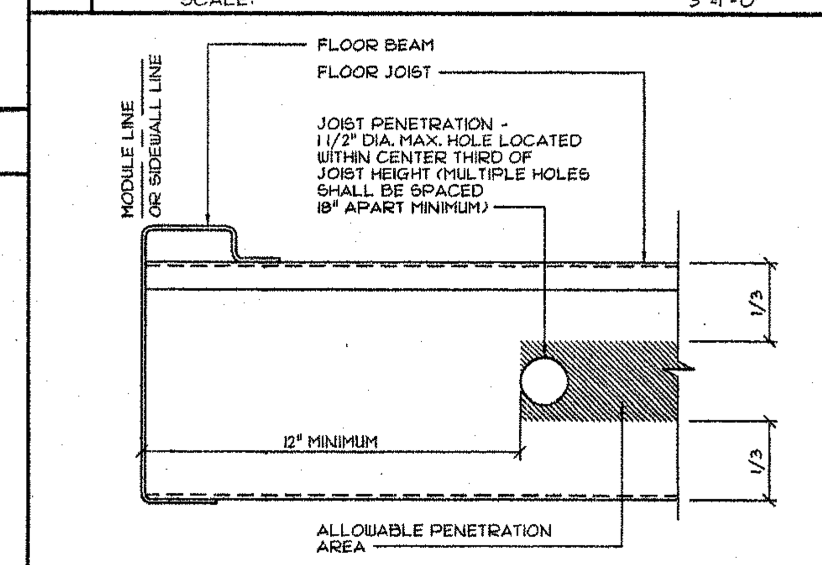
8 FLOOR BEAM SECTION @ CORNER
SCALE: 3"=1'-0"



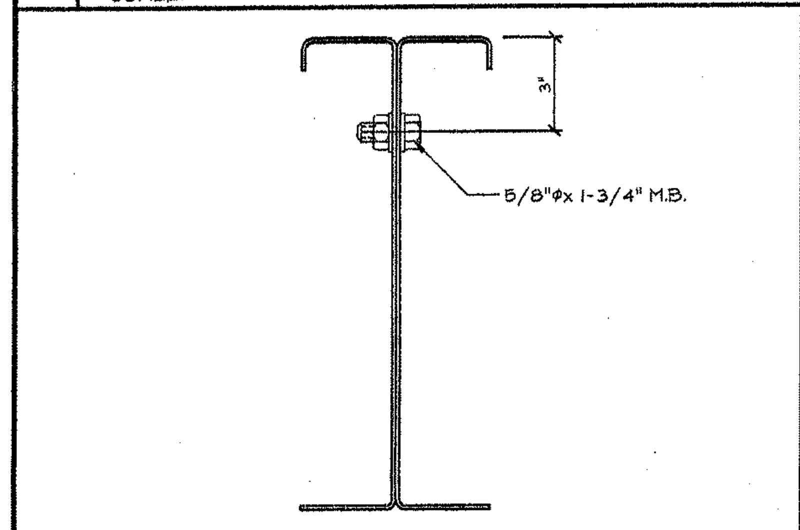
9 FLOOR BEAM TOP FLANGE
SCALE: 3"=1'-0"



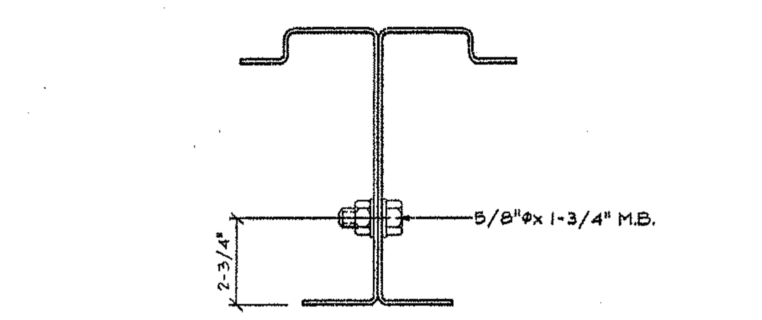
10 FLOOR BEAM BOTTOM FLANGE
SCALE: 3"=1'-0"



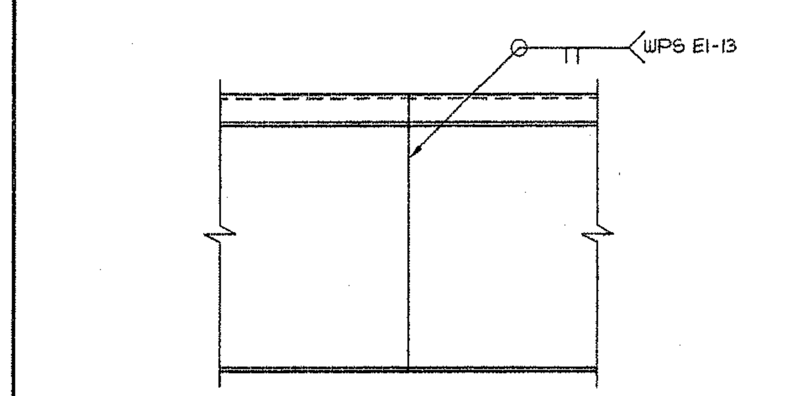
18 FLOOR JOIST PENETRATION
SCALE: 3"=1'-0"



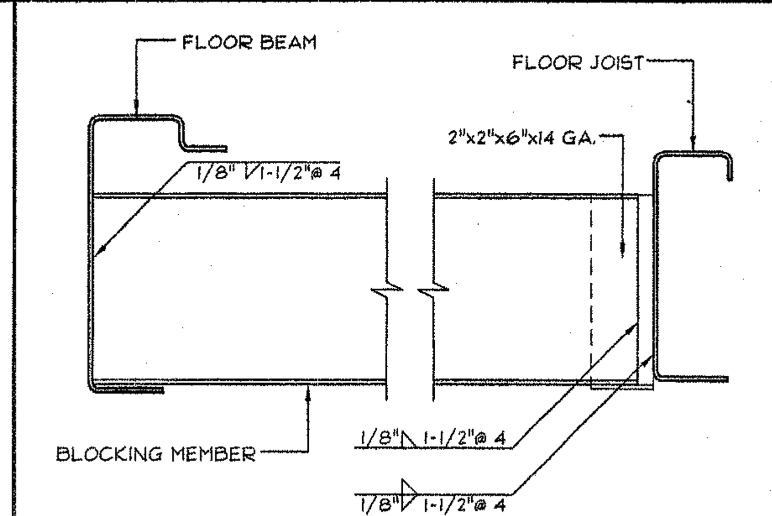
11 ROOF BEAM CONNECTION@MOD LINE
SCALE: 3"=1'-0"



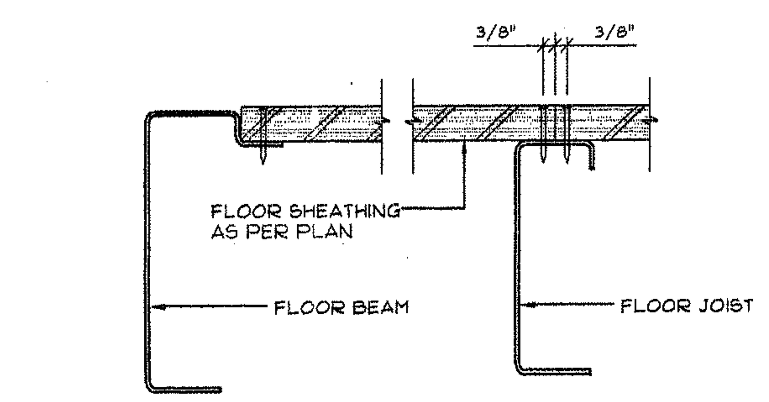
12 FLR BEAM CONNECTION @ MOD LINE
SCALE: 3"=1'-0"



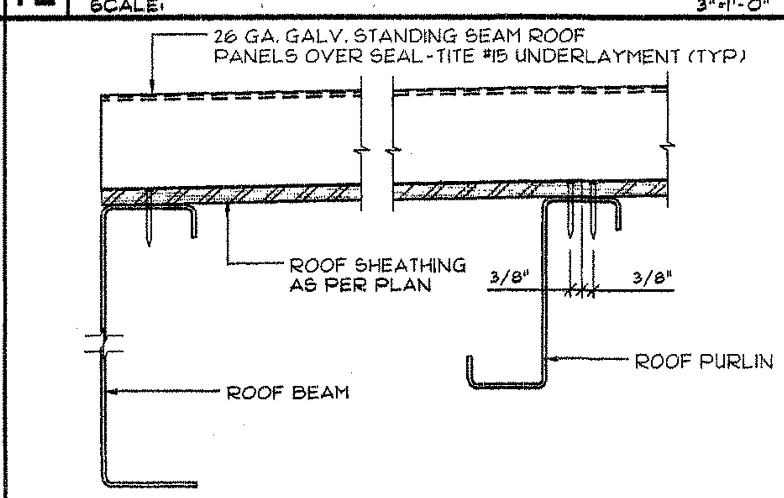
13 BEAM SPLICE DETAIL
SCALE: 3"=1'-0"



14 BLOCKING MEMBER CONNECTION
SCALE: 3"=1'-0"

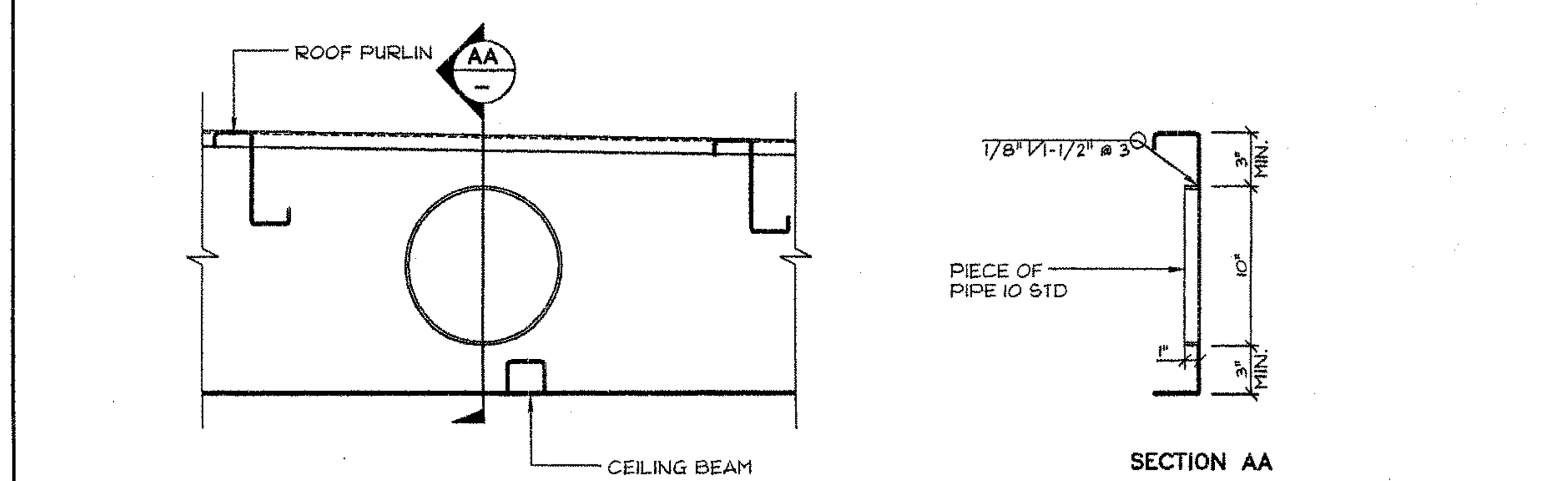


15 FLOOR SHEATHING ATTACHMENT
SCALE: 3"=1'-0"



NOTE: THIS ROOF MEETS CLASS 'B' FIRE RATING
FOR FASTENER SCHEDULE, SEE "S3" SHEETS

16 ROOF SHEATHING ATTACHMENT
SCALE: 3"=1'-0"



17 10"φ ROOF BEAM PENETRATION @ MOD-LINE
SCALE: 1-1/2"=1'-0"

DIVISION OF THE STATE ARCHITECT

PC
2001 C.B.C.
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
02-104899
AC FLS SS
DATE 5/29/03

APPROVALS

JH Lawder, Inc.
Structural Engineers
717 16th STREET MODESTO, CA 95354
(209) 521-1143 FAX (209) 521-1186

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
NO. S2310
EXP. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

ENVIROPLEX, INC.
4777 E. CARPENTER ROAD STOCKTON, CA. 95215

STRUCTURAL CONNECTION DETAILS

REV / DATE:	BY:

JOB No.:
DRAWN BY:
DATE:

THIS MODULAR BLDG. HAS BEEN ENGINEERED BY A REGISTERED STRUCTURAL ENGINEER AND PREVIOUSLY REVIEWED & APPROVED BY THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS COMPLIANCE SECTION

24'x40' TO 180'x40' P.C.

S4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

American Modular Systems

36 X 40 RELOCATABLE CLASSROOMS
MOBILE MODULAR MANAGEMENT CORP.®

TEST AND INSPECTION LIST

TESTING LABORATORY: ______________ DATE: ________

NAME: ______________

DISTRICT/OWNER: ______________

DIVISION–FILE NO. ______________ APPLICATION NO. ________

ARCHITECT: ______________

STRUCTURAL ENGINEER: ______________

STATE OF CALFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT

STRUCTURAL TESTS AND INSPECTIONS

ORS 103-1 (R 11/85)

The following tests and inspections, as checked, will be required as detailed in applicable specifications.

	COMPACTED FILL
	Fill material, acceptance tests
	Compaction control, continuous
	Compaction tests only as ordered
	Bearing capacity of compacted fill
	REINFORCING STEEL
X	Sample and test bar steel
	Sample and test mesh
	Inspect placing at job
	STRUCTURAL STEEL
X	Sample and test as detailed below
	Shop fabrication inspection
	Field erection inspection
X	Inspection of welds – Shop
	Inspection of welds – Field
	Inspection of riveting or bolting – Shop
	Inspection of riveting or bolting – Field
	Sample and test high strength bolts and washers
	BRICK AND BLOCK
	Sample and test
	Test only
	Inspection of placing
	Core drill samples
	GLUED LAMINATED STRUCTURAL LUMBER
	Fabrication inspection
	Sample and test steel accessories
	Inspect fabrication of steel accessories

CON-CRETE	GUNITE	GROUT	MORTAR	
				Test of aggregates for mix design only
				Suitability tests of aggregates as detailed below
				Mix designs
				Continuous batch plant inspection
				Inspect placing
				Sample
X				Compressive tests
				Pick up samples at job
				Samples delivered to laboratory
				Deliver sample forms to jobsite
				Sample and test cement

SUITABILITY TESTS	CONCRETE MATERIALS	GUNITE	MORTAR	GROUT
Sodium sulphate				
Structural strength				
Los Angeles rattler				
Clay (Hydrometer method)				
Reactivity tests				
Volume change				

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH, PSI, MINIMUM					
		28 DAYS					
CONCRETE	1 1/2"	3000					

List of structural steel members to be tested:

3 1/2" x 3 1/2" x 1/4" SQ. COL.
C7X9.8
10 ga. & 12 ga. ROOF CEE
6 3/4"X14 GA. JOISTS
6 3/8" x 12 ga. ALT. JOIST
6" x 14 ga. ROOF JOIST
4" x 12ga. ROOF JOIST
3 1/2" x 10 ga. ALT. ROOF JOIST
2"x16 ga. STRAPS

TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2231.A.1

Other Tests and Inspections, together with special instructions:

GROUNDING TEST
EXPANSION ANCHORS
EPOXY ANCHORS

Copies of Reports to:

DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: ______________
AUTHORIZED REPRESENTATIVE

INDEX

BUILDING DATA
SCIENCE ROOM #187
STOCKPILE FOR ONE

OCCUPANCY	E-1
TYPE OF CONSTRUCTION	V - NON-RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS./SQ. FT.
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	1440 SQ FT

FIRE MARSHAL– CALIFORNIA BUILDING CODE (CBC)
TITLE 24, PART 2, CCR (1997UBC W/ CAL. AMENDS)
TITLE 24, PART 3, CCR (1996 NEC W/ CAL. AMENDS)
TITLE 24, PART 4, CCR (1997 UMC W/ CAL. AMENDS)
TITLE 24, PART 5, CCR (1997 UPC W/ CAL. AMENDS)
TITLE 24, PART 9, CCR (1997 UFC W/ CAL. AMENDS)
TITLE 24, PART 12, CCR (1997 STD. W/ CAL. AMENDS)
TITLE 19

STRUCTURAL – 1998 CALIFORNIA BUILDING CODE (CBC)
TITLES 24 PARTS 1 AND 2

MODULES	MOMENT-RESISTANT
SYSTEM	(3) 12' X 40' MODULES
FOUNDATION	WOOD
SEISMIC	ZONE 4

SEISMIC SOURCE A
DISTANCE FROM SEISMIC SOURCE ≤ 2 KM
SOIL TYPE S_D

REGISTERED PROFESSIONAL ENGINEER No. 2310 STRUCTURAL STATE OF CALIFORNIA

BASED ON PC# 02-101836

STOCKPILE
FILE NO. 39-0

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-104636
AC ___ FLS ___ SS ___
DATE AUG 0 8 2002

American Modular Systems
333 EAST CARNEGIE COURT
MANTECA, CALIFORNIA 95337
(209) 825-1921 FAX (209)825-7018

JOB NO.	
DATE: JULY 29, 2002	
SHEET NUMBER	TS-1
BINDING ORDER	1

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

1. GENERAL

A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.

B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

2. SCOPE OF WORK

A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE,MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.

B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING,MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.

FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.

14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.

NOTE:THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

3. WORK NOT INCLUDED

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.

B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM,INTERCOM SYSTEM,TV,TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.

4. WHEELS AND HITCH

SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. ACCESSIBILITY OF SITE

THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES, SHRUBS,FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

TRIM/ FINISH NAILING

DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 1/4"	GALV
CASING, SILL & INT. CORNER TRIM	X	16d	1 1/4"	N
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

SECTION 5 STEEL

A. GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS,TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.

B. WELDING - ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE OFFICE OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24,PART 2,CCR, SECTION 2231.A.5 WELDING ELECTRODE SHALL BE E70XX.

1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36.
2. PIPE COLUMNS SHALL COMFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.

C. ERECTION - STRUCTURAL STEEL ERECTED TRUE,STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.

D. NAILS,BOLTS, SCREWS AND NUTS ETC.- FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.

1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER EXCEPT AT SIMPSON MTT28B.

E. HANDRAILS - FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.

F. SHOP PAINT

1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

G. TESTS

1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2,CCR SECTION 2231.A.1.

SECTION 6A CARPENTRY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL CARPENTRY

2. MATERIALS

LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER,3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B.. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD,OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH UBC STANDARD 23-2. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.

A. JOISTS, PLATES, STUDS-DOUGLAS FIR S4S #2 U.N.O.
NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.

B. HEADERS,POSTS AND TIMBERS-DOUGLAS FIR S4S #1

C. BLOCKING - DOUG FIR #3,OR HEM FIR #3,OR STD. & BET.

D. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE,MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7. EACH PIECE SHALL BEAR AWPB STAMP. LP-22 GROUND CONTACT,D.F.#2 ABOVE GROUND.

E. PLYWOOD ROOF DECKING - SEE A/S3

F. PLYWOOD FLOOR DECKING - APA STURD-I-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8"NOM. OR EQUAL. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE.

G. EXTERIOR SIDING/SHEATHING - APA TYPE 303,EXTERIOR.

H. MOISTURE BARRIER - KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 17-1 FOR KRAFT, 32-1 FOR FELT.

J. STUDS - S4S DOUG FIR #2. #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 23% AT TIME OF INSTALLATION.

K. FASTENERS - NAILS SHALL BE CORROSION RESISTANT PER C.B.C. 2318A.3.4 COMMON NAILS ~~U.N.O.~~ FOR EXT. SIDING + FNDN ONLY

L. BUILDING TRIM - 2X RESAWN SELECT D.F.,H.F.,OR CEDAR

M. DOOR/WINDOW TRIM - 1X4 REWAWN D.F.,H.F.,OR CEDAR.

N. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.

O. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.

P. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.

Q. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".

3. WORKMANSHIP

A. FRAMING - SECURELY NAILED,BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBELED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.

B. NAILING - IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE,TABLE 23A-11-B-1

C. EXTERIOR WALLS - FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS,SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.

D. MACHINE APPLIED NAILING:
USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

E. MOISTURE BARRIER - APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.

F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B SHEET METAL

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.

2. MATERIALS

A. SHEET METAL - STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.

B. SOLDER - OF STAND.GRADE "A" OF EQUAL PARTSARD BRAND LEAD AND TIN ASTM B32.

C. FLUX - ZINC SATURATED MURIATIC ACID.

D. GUTTERS: 26 GA. G-90 GALV. STEEL.
DOWNSPOUTS: 2"X3" CONVOLUTED 30 GA. G-90 GALV. STEEL.
GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL.
GUTTER CLIPS: 18 GA. G-90 GALV. STEEL

3. WORKMANSHIP

SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.

2. MATERIALS

A. ROOFING - 3 INCH STANDING SEAM 22-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).

B. ROOFING: CLASS B FIRE RATING

SECTION 7J SEALANT

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIAL AND SERVICES TO SEAL BUILDINGS.

2. MATERIALS

VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.

3. WORKMANSHIP

SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION CONCRETE CONCRETE (IF USED)

1. CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFIED HEREIN.
2. REINFORCEING BARS:ASTM A615 OR ASTM A706 DEFORMED GRADE 40 BILLET STEEL.
3. EXPANSION JOINT FILLER: ASTM D994
4. FORM MATERIALS: SIDE FORMS DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER: OR METAL FORMS.
5. PLACING REINFORCEMENT, PLACING CONCRETE SUFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.

2. MATERIALS

A. DOORS - TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY,18 GA. 1 3/4" THICK PER CS242 MIN.REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.

B. FRAMES - 16 GA COLD ROLLED,2" FACES, CS242 MIN.3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX,PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.

3. WORKMANSHIP

ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARDP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP,WAVE,BUCKLE OR OTHER DEFECTS AFTER FABRICATION,DOORS AND FRAMES CLEANED THOUROUGHLY,ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 8D FINISH HARDWARE

1. SCOPE OF WORK

CONTRACTOR SHALL SUPPLY AND INSTALL FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.

2. SCHEDULE FOR EXTERIOR DOORS

SEE NOTE ON FLOOR PLAN.

3. SPECIAL REQUIREMENTS

A. EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.

B. CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS. PRESSURE.

SECTION 9E PAINTING

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.

2. MATERIALS

A. FOR EXTERIOR WOOD:

REF.BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	42-9M	1240	Y24W20	289-N
FINISH	QD-60-XX	1240-XXX	B54W2102	GE2-NXX

B. FOR INTERIOR TRIM

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
FINISH	W450-XX	1650-XXX	A26W11	40XX

C. FOR METAL

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	43-4	1710	B50NZ6	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX

3. WORKMANSHIP

ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.

A. EXTERIOR - WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX - APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.

B. INTERIOR TRIM - TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.

C. INTERIOR HARDWOOD CABINETS - TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.

D. METAL - ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.

E. RAMP - ONE COAT OF FERROX NON-SKID SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE.
ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A DATED JULY 1989. OR EQIAL.

F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.
THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

2. ASSEMBLY OF ELEMENTS

A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT,(APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.

B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.

C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

WALL FINISH MATERIAL
FLAME SPREAD MAX = 200
SMOKE DENSITY MAX = 450
BUILDING INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

SECTION 15A AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES)

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.

2. EQUIPMENT

SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.

3. WORKMANSHIP

UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS,LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.

2. MATERIALS

ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION

A. ELECTRIC METALLIC TUBING - COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX- GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.

B. PANELBOARDS - FLUSH MOUNTED.

C. CONDUCTORS - COPPER,INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES.MINIMUM SIZE- #14.

D. RECEPTACLES - AS NOTED. +18" A.F.F. MIN.

E. CLOCK RECEPTACLE - AS NOTED.

F. SWITCHES - AS NOTED. +48" A.F.F. MAX.

G. LIGHTING FIXTURES - AS NOTED ON THE DRAWINGS.

3. WORKMANSHIP

MATERIALS AND EQUIPMENT INSTALLED IN A SECURE,NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.
BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR(N.I.C.).(FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

1. IN-PLANT INSPECTION.
2. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT,IF NECESSARY.
THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF AY MODULE.
ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED,UNLESS OTHERWISE SPECIFIED,SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

THREE (3) APPROXIMATELY 12' X 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"X1 -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

1. MANUFACTURER'S BUILDING NUMBER.
2. DESIGN WIND LOAD / EXPOSURE
3. DESIGN ROOF LIVE LOAD
4. DESIGN FLOOR LIVE LOAD
5. D.S.A. APPLICATION NUMBER.

2-TAGS PER MODULE, ONE ON EXT. AND ONE ON INTERIOR MODULE BEAM AT FRONT OF BULDING ABOVE CEILING.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH 12' X 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

DIMENSIONS

THE BUILDINGS SHALL OCCUPY AN AREA OF 1440 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. THE BUILDINGS SHALL BE 36' X 40'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINER DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.

FASCIA AND REQUIRED OVERHANGS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 5' MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2' OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE SIDES OF EACH OVERHANG AND EACH ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT,FLOOR TO CEILING SHALL BE 8'-6" U.O.N.
THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.

ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DEPENDING ON THE AGGREEMENT WITH DISTRICT.

IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT SPECIFICATIONS SHALL PREVAIL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 101836
AC ✓ FLS RK SS M
DATE JAN 1 2 2000
Rev. 4-10-00 M

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL 02-101523
AC ✓ FLS RK SS M
DATE OCT 1 9 1999

36 X 40 PC RELOCATABLE CLASSROOMS

American Modular Systems

CUSTOMER:

GENERAL NOTES

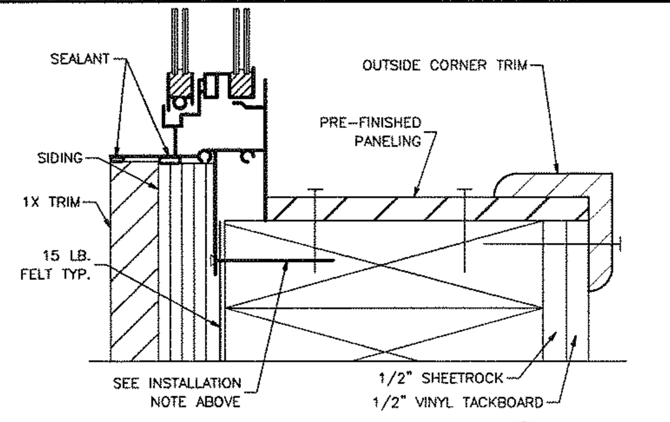
DATE:	10-19-99
SCALE:	NONE
DRAWN BY:	R.S.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

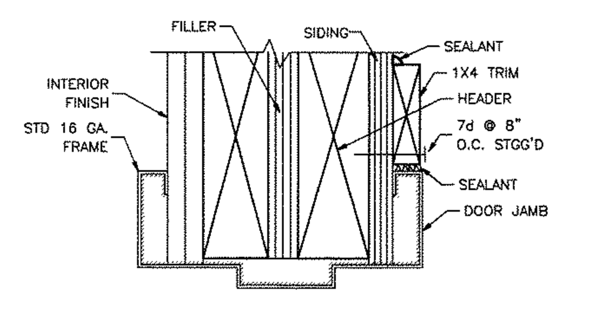
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		
△			△		

PROJECT No.

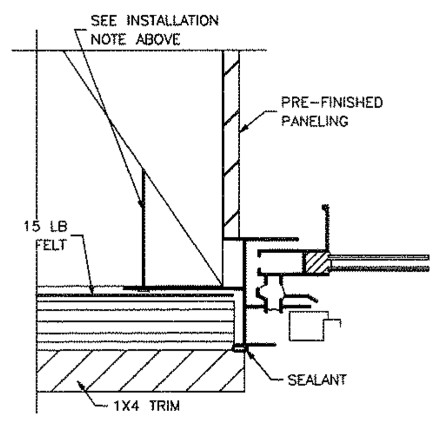
SHEET No. N-1



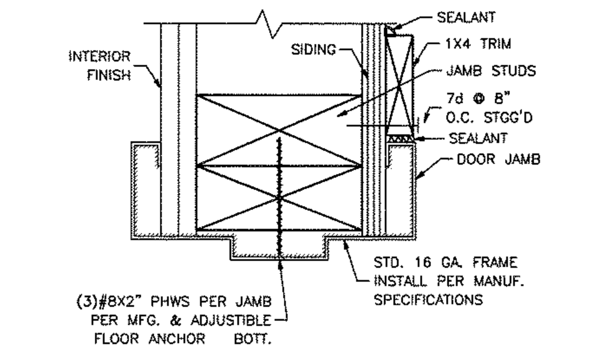
WINDOW SILL DETAIL 1/1
NO SCALE



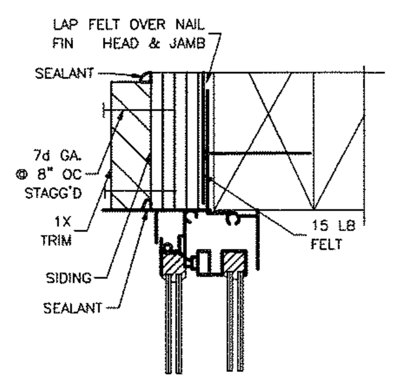
TYPICAL EXTERIOR DOOR HEAD 6/1
NO SCALE
NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.



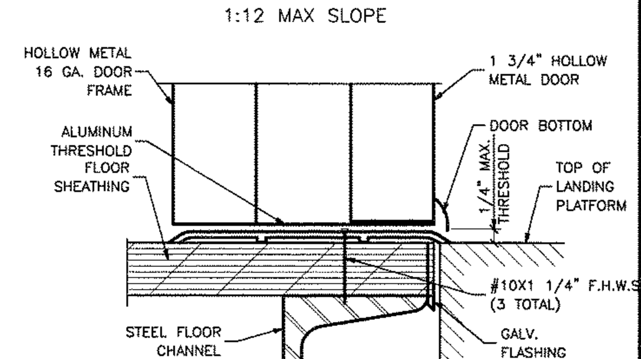
WINDOW JAMB 2/1
NO SCALE



TYPICAL EXTERIOR DOOR JAMB 5/1
NO SCALE
NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.

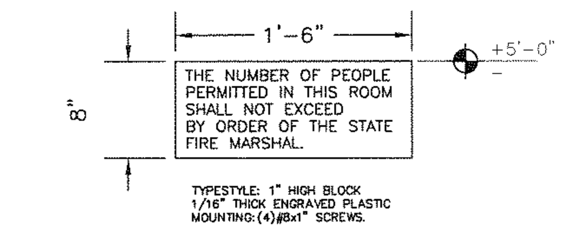


TYPICAL WINDOW HEAD 3/1
NO SCALE

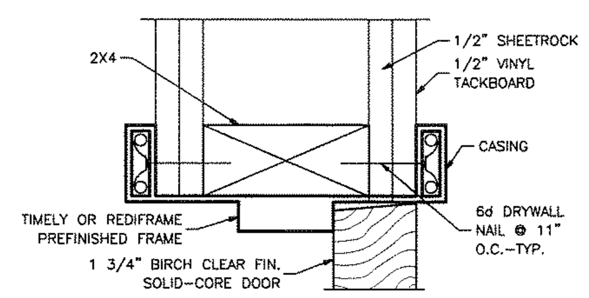


TYPICAL EXTERIOR DOOR SILL 4/1
NO SCALE

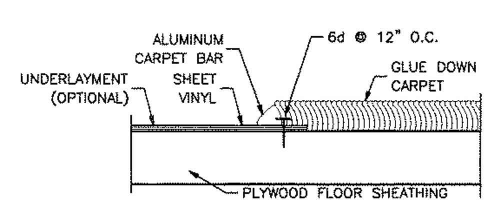
CAPACITY POSTING
C.B.C. SECTION 1002.3
TITLE 19 C.C.R., SECTION 3.30
THIS ROOM SHALL BE POSTED WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM. THE SIGN SHALL BE WORDED AS FOLLOWS:



OCCUPANT LOAD SIGN
THIS SIGN WILL ONLY BE USED IF REQUIRED FOR SPECIFIC APPROVAL.

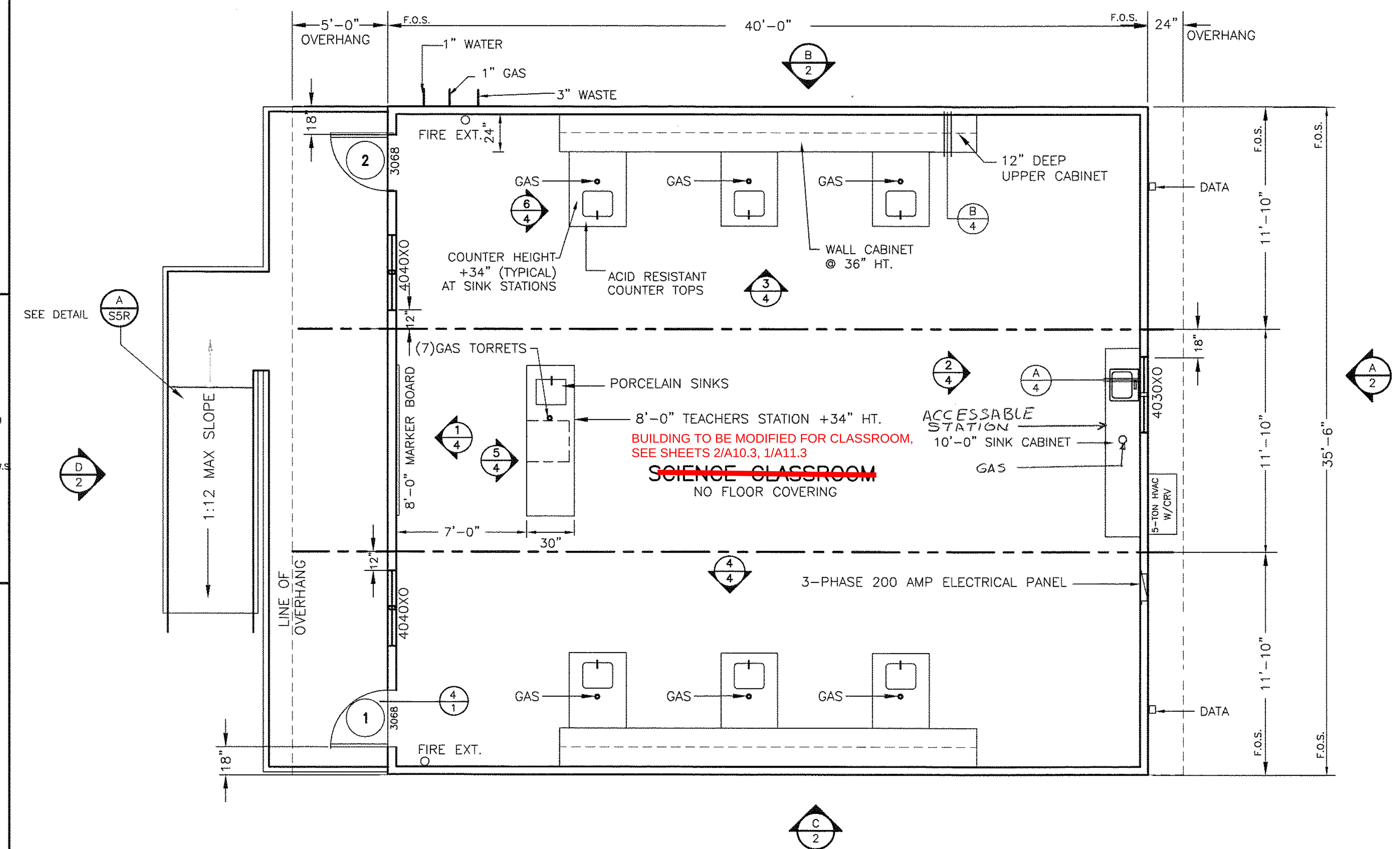


TYPICAL INTERIOR DOOR HEAD/JAMB 7/1
NO SCALE



FLOORING DETAIL 8/1
NO SCALE

TYPICAL EXTERIOR WINDOW INSTALLATION NOTE: 3068
SEE MANUF. SPECS FOR INSTALLATION
USE .131" X 2 1/2" @ 16" O.C. VERTICALS
USE .131" X 2 1/2" @ 24" O.C. HORIZONTALS



FLOOR PLAN A 36'x40'
SCALE: 1/4"=1'-0"

NOTES
INTERIOR
1. Floor: NO FLOOR COVERING

2. Base: Resilient Cove Base – Best quality, moulded rubber, 1/8" thick, 4" high, moulded top set
Cove: Provide preformed base for square external corners and preformed end stops where base does not abut. Solid color as manufactured by "Johnsonite Co." , Flexco, or equal. Apply cove to complete perimeter of classroom.

3. Interior walls shall be vinyl covered tackboard(u.o.n.) applied in one continuous length from floor to ceiling. The tackboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The board shall be asphalt free, shall have an ironed-on coating and shall have a minimum density of 18 lbs. per ft. The vinyl coating shall be made of virgin vinyl calendered base color, weighing a minimum of 8 oz. per square yard. The coating backing shall be sheeting or non-woven fabric. The vinyl coating shall be mechanically laminated, with the long edges wrapped, to the tackboard. Tackboard shall be applied over 1/2" sheetrock or plywood sheathing. The vinyl wall covered panel shall have a Class III flame spread rating. The panel shall be approved for classroom use by The California State Fire Marshal. Reference brand: Vinyl covered tackboard as manufactured by
Chatfield-Clarke or comparable. Care shall be taken in mounting the tackboard so that the texture of all panels will have the same orientation and color match.

4. Ceiling: Suspend T-Bar System, see sheet 3 for details etc. Materials and installation per CCR 2501.A.5 and IR #47-4 inclusive as applicable to classrooms.

DOORS & WINDOWS
Exterior Doors: Metal Doors – 3'0X6'8 hollow metal door construction of 1 sheet of 18 ga. steel assembled per CS242 min and reinforced with 20 ga. min. continuous vertical steel stiffeners spaced @ 6" O.C. Fill spaces between stiffeners with mineral wool or other insulation. (Reinforce both faces for closure) provide flush top on doors. Hardware reinforcement shall be 10 ga. min for hinges, door frame shall be 16 ga. pressed steel frame ASTM A366 & C5242. Hardware reinforcement shall be 10 ga. plate. Frames shall be designed with integral stop and trim. Provide (3) anchors per jamb plus adjustable floor anchor.

Exterior Windows: Provide anodized aluminum frame 5/8" minimum dual pane window units, as shown on floor plans. The 5/8" dimension is the minimum thickness for the dual glazed window panel consisting of two lights of glass and the air space. Glazing material shall be:

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 45% maximum.

Interior Lite – 1/8" minimum clear tempered.

Minimum air space shalle be 1/4".

Space – Bent or sealed corner aluminum with desiccant fill

Sealer – Butyl primary seal and polysulfide of silicone secondary seal.

Certification – All glazing to be certified in accordance with ASTM E-773, E-774.

Header height shall be the same as the door. All operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the AAMA GS101-88 voluntary spec. For aluminum prime windows and sliding glass (ANS1), commercial grade.

HARDWARE
1. Exterior Door
A) Hinges: Hager 4-1/2X4-1/2 butts, BB1279 US26D,1-1/2 pair each door with set screw in barrel and ball bearing design, or approved equal.
B) Lockset: Doors 1&2 Classroom lever handle lockset, panic bar type, Von Duprin 22L (lever on ext.) or Corbin or Yale or equivalent. ALUM. finish.
C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal.
D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra WS007, at door jambs and head or equal.
E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.
F) Doorstop: Quality #44, or equal.

FIRE EXTINGUISHER
1. Each portable classroom shall be equipped with pressure type fire extinguishers with 2AIOBC UL rating. To be mounted on the interior wall of the building near the doorway(s) at a height of 4 feet to mounting bracket. Fire extinguishers shall be totally charged and have a dial indicating the state of charge.

CHALKBOARD SPECIFICATIONS
Chalkboards shall have green facing sheet suitable to accept white or yellow chalk and felt erasers.

Markerboards shall be 5 mil thick melamine facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated, using hot melt adhesive, to a medium density particleboard substrate with a minimum density of 45#/c. ft. The panel shall have a foil backing. The panels shall have extruded aluminum molding and chalkrail with a minimum of 2-15/16" projection from the face of the panel. A full length map rail shall be provided with cork insert and end stops. The map rail and chalkrail are to incorporate a channel to wrap around the panel. Three (3) map hooks, with clips, perpanel shall be provided. One flag holder, 1/2" size, shall be provided for each classroom. Each classroom shall be 2 ea. 4x8 panels installed side by side to make a 4x16 panel, centered on one of the long walls. Referenced brand: Chatfield-Clarke Co. series 500. Attach directly to studs and blocking W/#8x3" oval head wood screw @ 32" o.c. horizontally and @ 24" o.c. vertically.

REGISTERED PROFESSIONAL ENGINEER
No. 2310
STRUCTURAL
STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-104636
AC. FLS. SS
DATE AUG 0 8 2002

BASED ON PC# 02-101836

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

36 X 40 PC
RELOCATABLE
CLASSROOMS

American Modular Systems
333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX. (209) 825-7018

CUSTOMER:
MOBILE MODULAR MANAGEMENT #187

FLOOR PLAN & NOTES

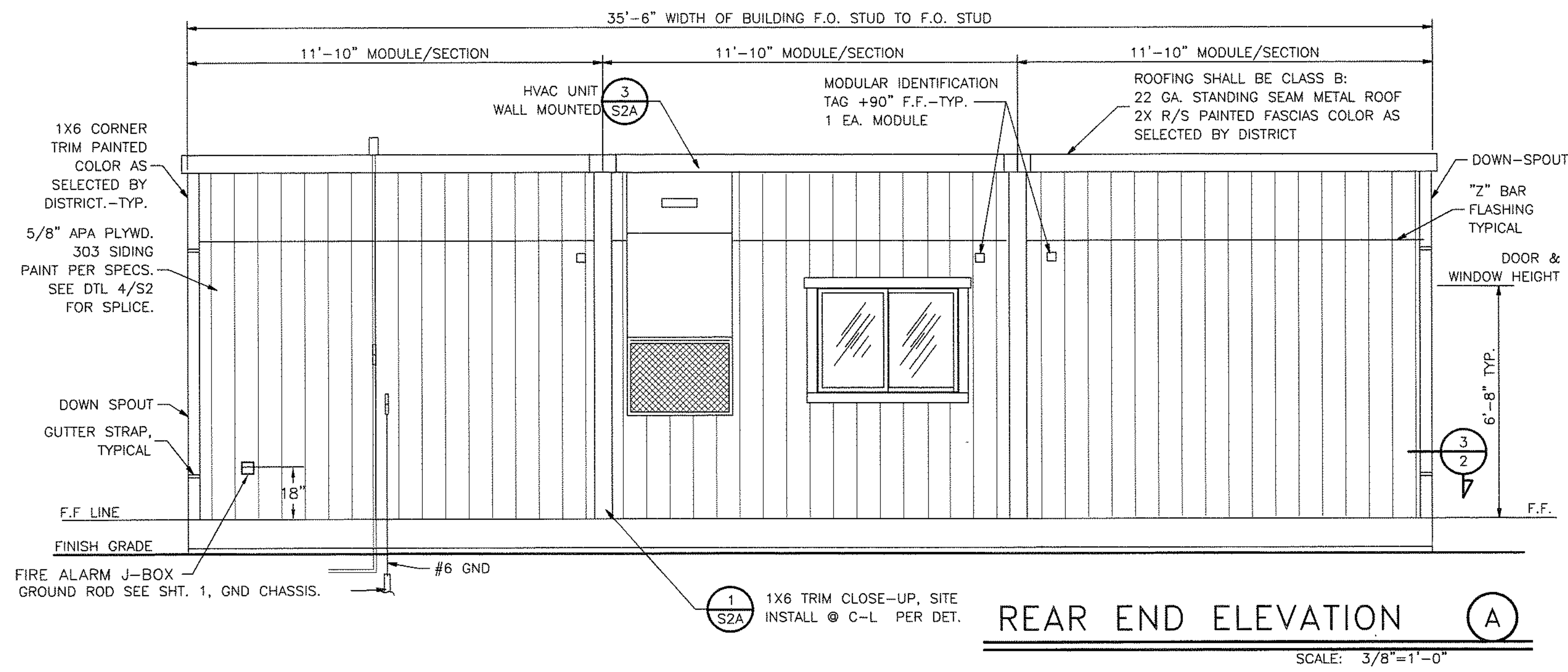
DATE: 07-29-02
SCALE: NONE
DRAWN BY: M.H.
CHECKED BY:
CHECKED BY:
SERIAL NO.

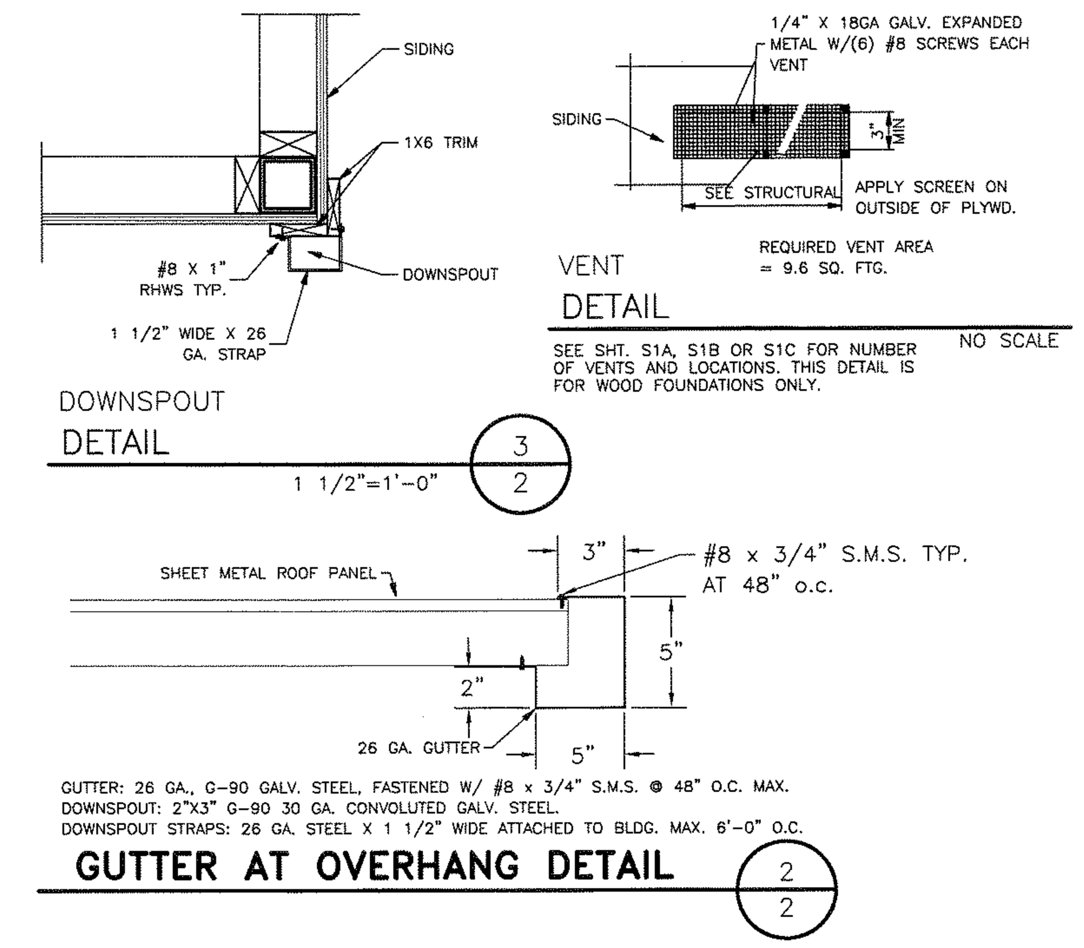
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

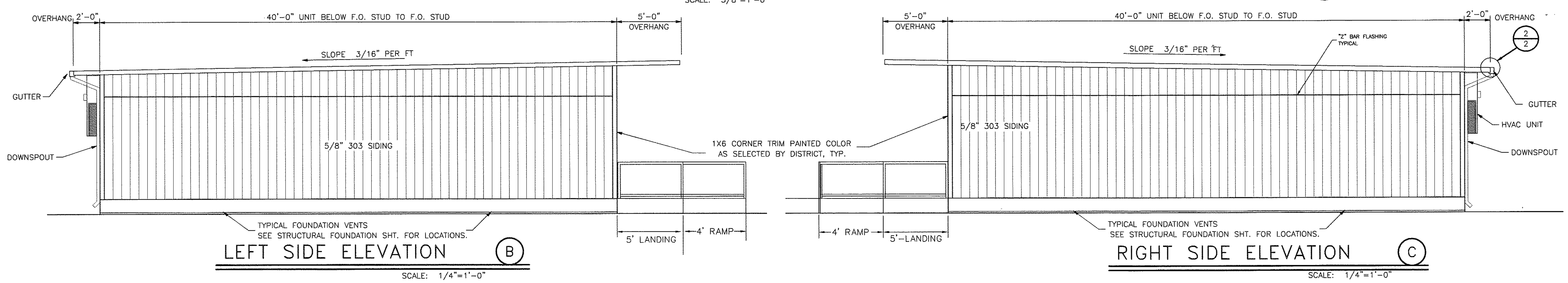
SHEET No.
1

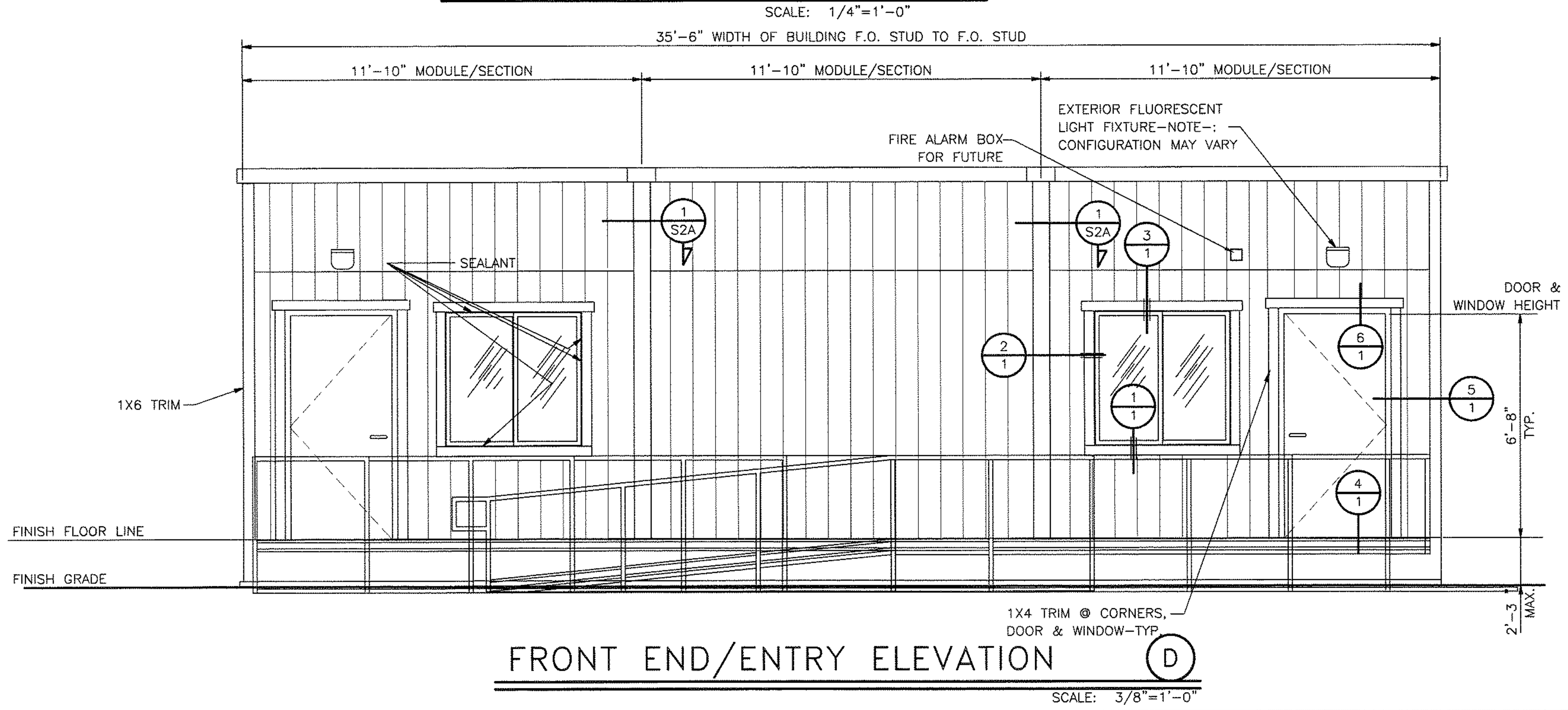




1/4" X 18GA GALV. EXPANDED METAL W/(6) #8 SCREWS EACH VENT. ALSO SEE SHT. S1A
APPLY SCREEN ON OUTSIDE OF PLYWD.
REQUIRED VENT AREA = 9.6 SQ. FTG.

UNDER FLOOR VENTING





DOOR SIGNAGE

NOT A PART OF THIS CONTRACT (NOT PROVIDED BY A.M.S.)

NOTE:
WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS OR SPACES, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH THE FOLLOWING: CONTRACTED GRADE 2 BRAILLE SHALL BE USED. DOTS SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM 1/40 INCH ABOVE BACKGROUND. SIGNS SHALL BE INSTALLED ON WALL ADJACENT TO LATCH OUTSIDE OF DOOR. WHERE THERE IS NO SPACE ON THE LATCH SIDE, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PERFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTER OF THE SIGN.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
03-104636
AC FLS SS
DATE AUG 0 8 2002

BASED ON PC# 02-101836

36X40 PC
RELOCATABLE
CLASSROOM

American Modular Systems
333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX. (209) 825-7018

CUSTOMER:
MOBILE MODULAR MANAGEMENT #187

EXTERIOR ELEVATIONS

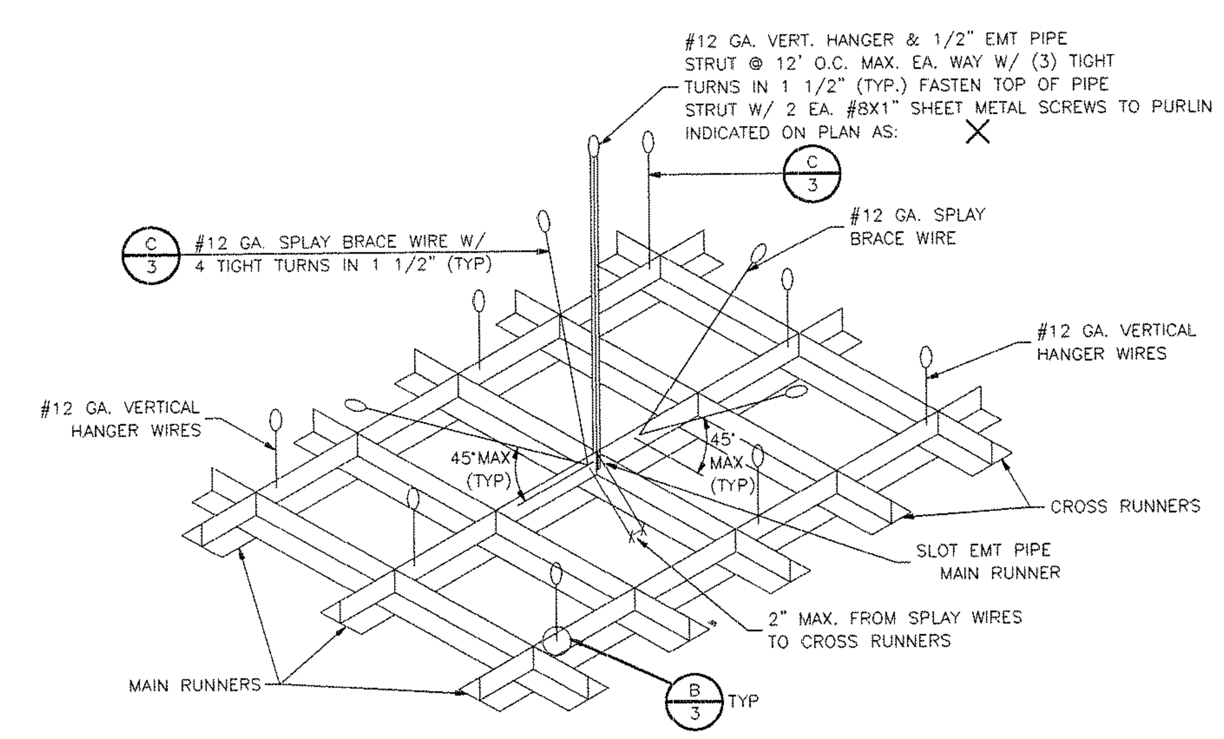
DATE:	07-29-02
SCALE:	NONE
DRAWN BY:	M.H.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

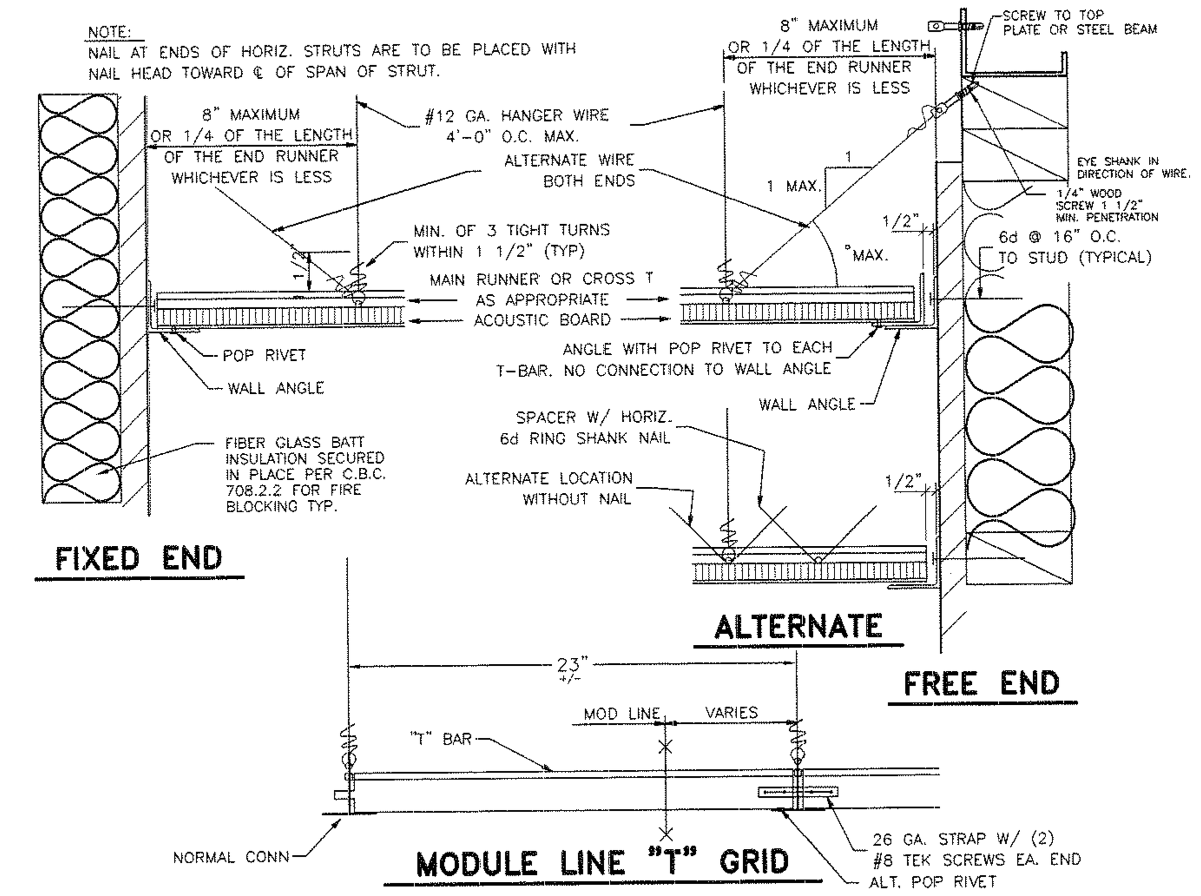
PROJECT No.

SHEET No.
2

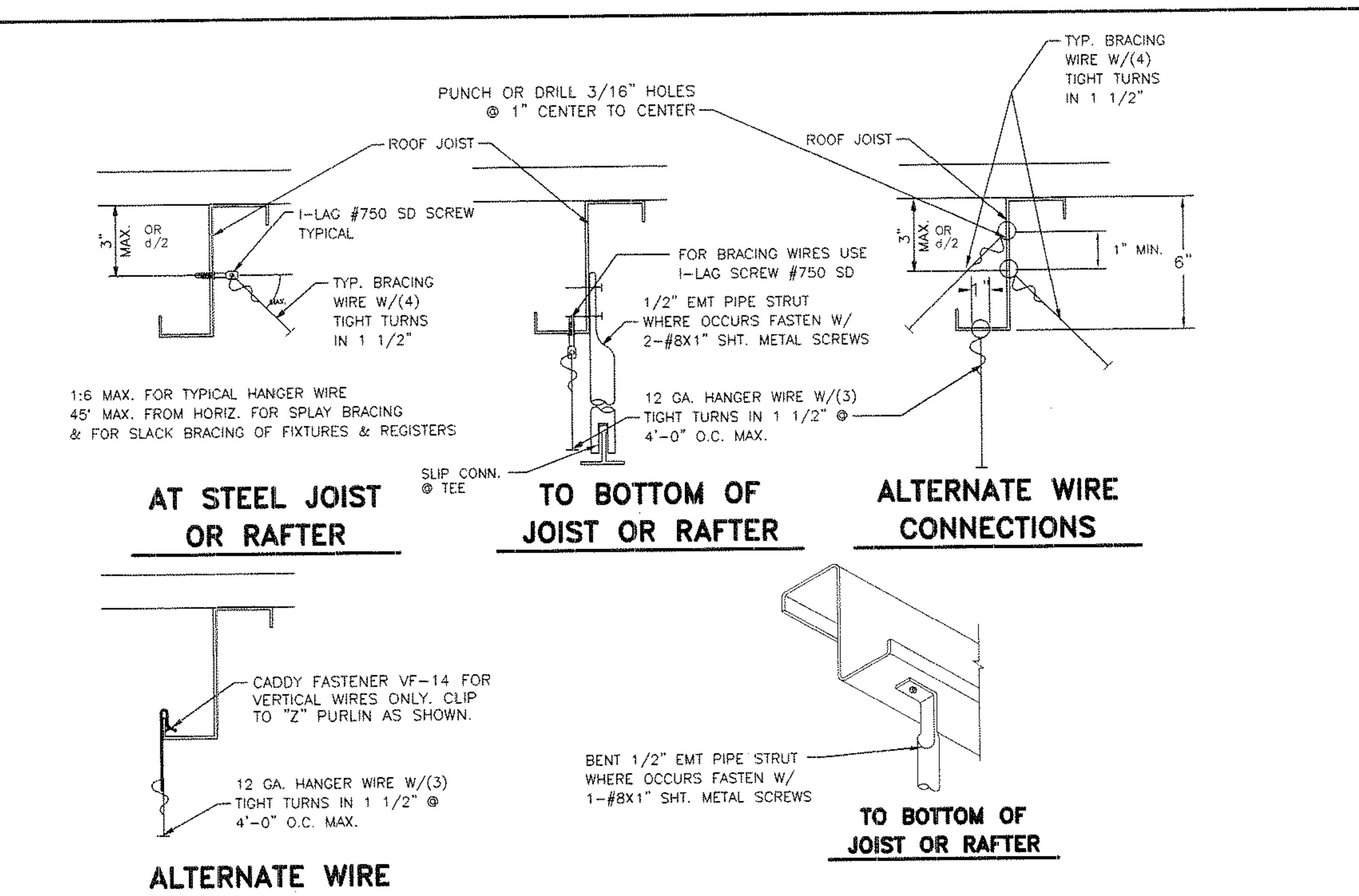


NOTE: SPLAYED BRACING WIRES SHALL BE SPACED NOT MORE THAN 12 FT. ON CENTER. OR MORE THAN 6 FT. FROM WALLS.

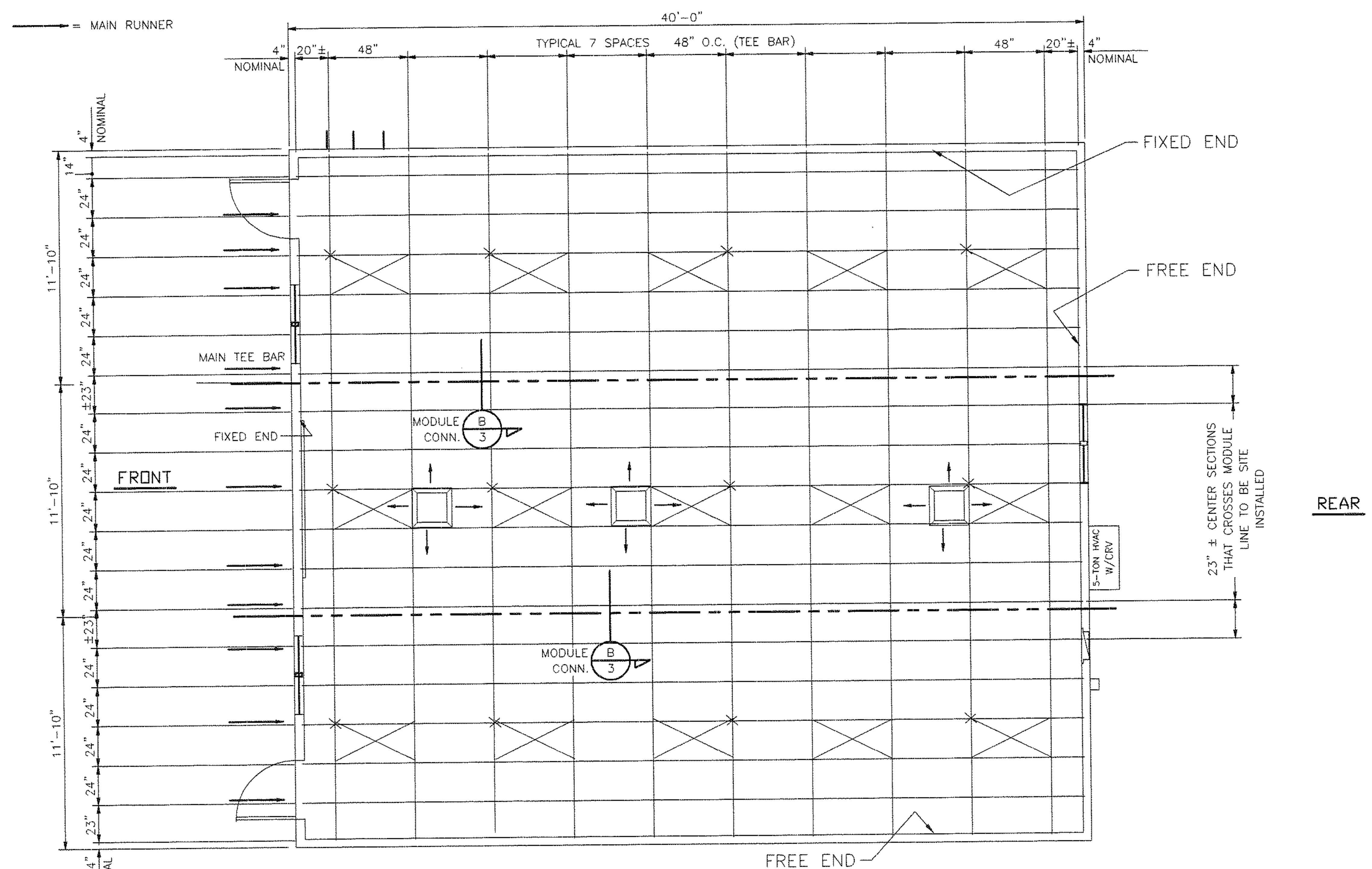
ATTACHMENT FOR CEILING GRID
DETAIL A/3
NO SCALE



WIRE CONNECTIONS TO GRID
DETAILS B/3
NO SCALE



CONNECTIONS TO STEEL JOISTS OR PURLINS
DETAIL C/3
NO SCALE



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

SCALE: 1/4"=1'-0"

REAR

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA/ORS.
2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
   (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
   (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA/ORS APPROVAL.

7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC., IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA/ORS.
9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
    CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, PER ASTM C635
    MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL #200-01.
    MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER CHICAGO METALLIC 1214-01 CROSS TEES.
    MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
    ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS I, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

TABLE A HEAVY DUTY GRID COMPONENTS

MANUFACTURER	MAIN TEE	H.D. 4' CROSS TEE	H.D. 2' CROSS TEE
DONN/USG	DX-26	DX-424	DX-216
ARMSTRONG	7301	7341	7323
CHICAGO MET.	200-01	1204-01	1226-01

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

BASED ON PC# 02-101836

36 X 40 PC
RELOCATABLE
CLASSROOM

American Modular Systems
333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX. (209) 825-7018

CUSTOMER:
MOBILE MODULAR MANAGEMENT #187

CEILING GRID, DETAILS AND NOTES

DATE:	07-29-02
SCALE:	NONE
DRAWN BY:	M.H.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
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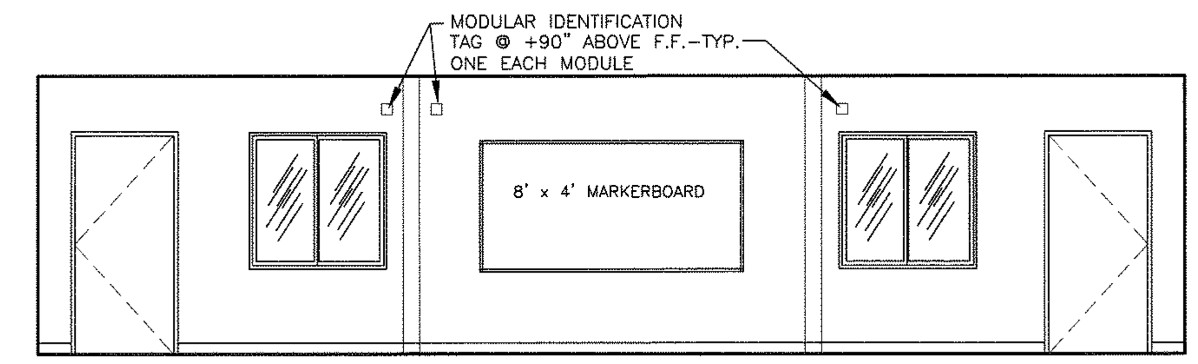
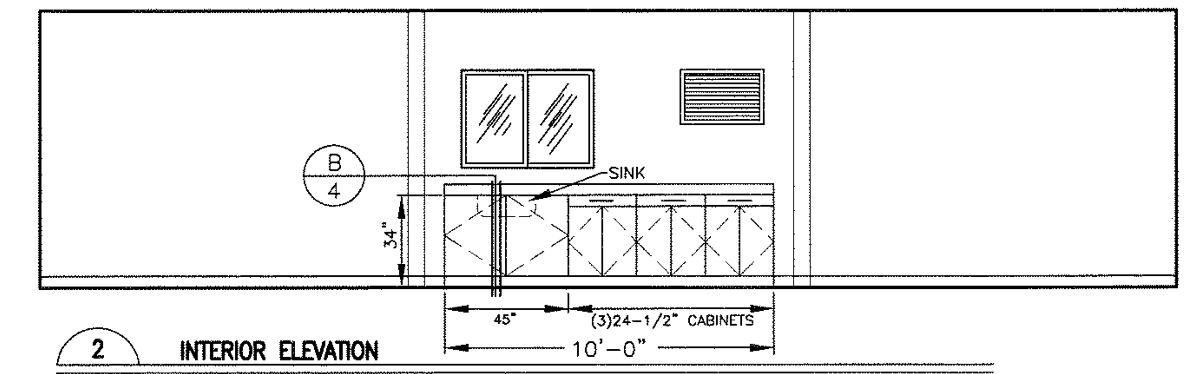
PROJECT No.

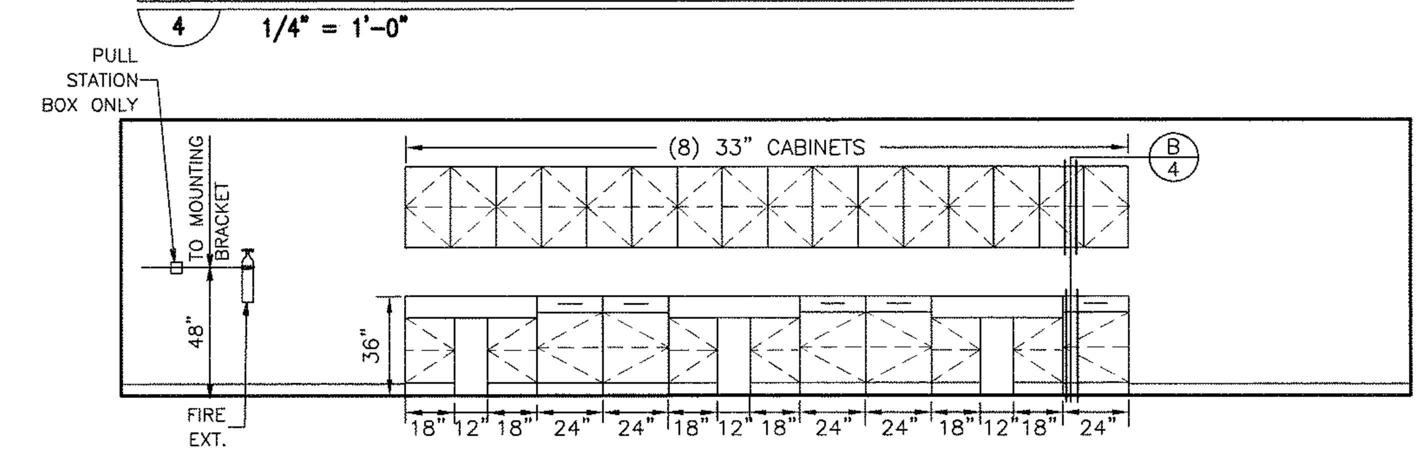
SHEET No.
3



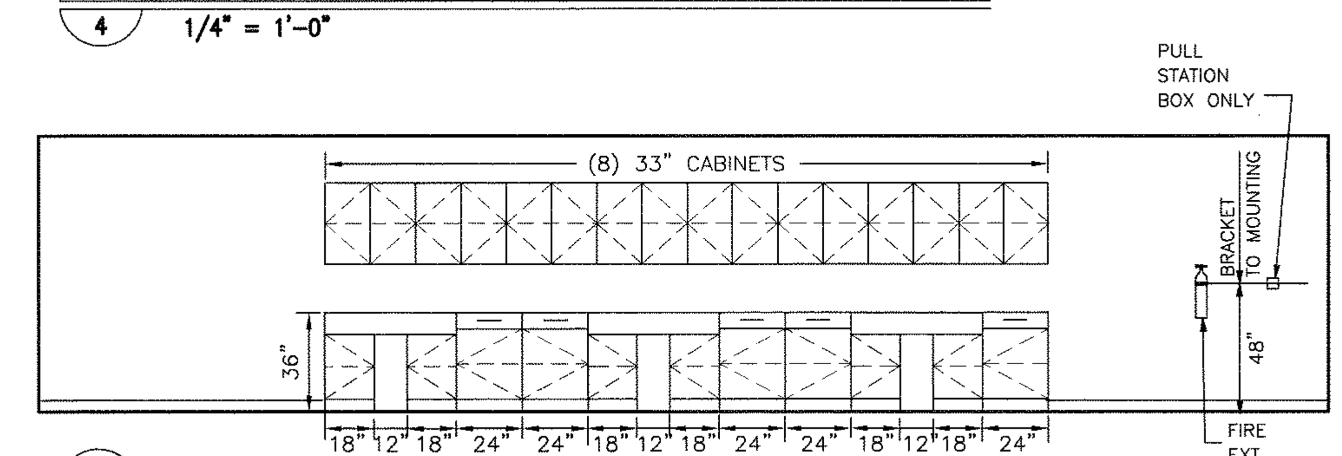
1 / 4 INTERIOR ELEVATION
1/4" = 1'-0"



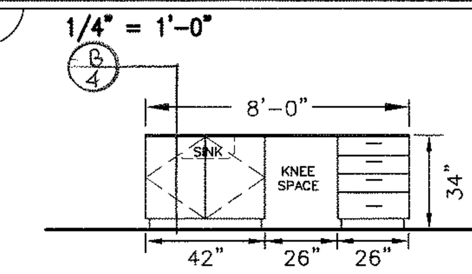
2 / 4 INTERIOR ELEVATION
1/4" = 1'-0"



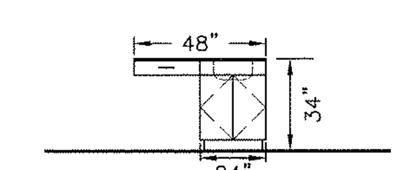
3 / 4 INTERIOR ELEVATION
1/4" = 1'-0"



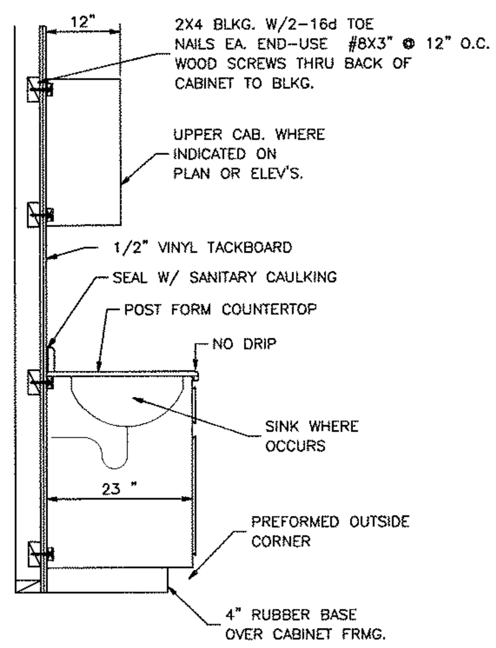
4 / 4 INTERIOR ELEVATION
1/4" = 1'-0"



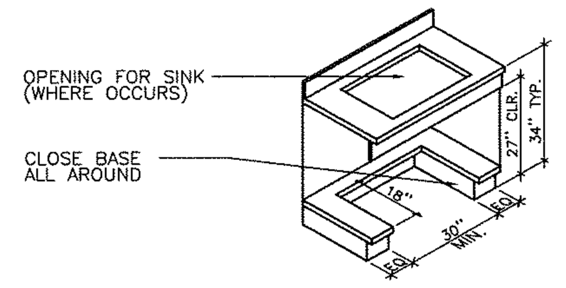
5 / 4 TEACHERS STATION
1/4"=1'-0"



6 / 4 SINK WORK STATIONS
1/4"=1'-0"



TYPICAL CABINET
CROSS SECTION
A / 4



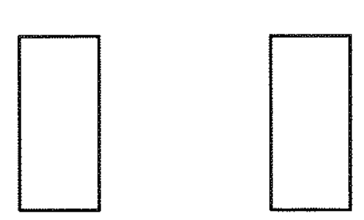
NOTES:
- DOORS NOT SHOWN FOR CLARITY. DOORS ARE TO BE PROVIDED.
- MODIFY BASE AS SHOWN FOR WHEELCHAIR ACCESS.
- ALL EXTERIOR SURFACES TO BE PLASTIC LAMINATE.

DISABLED ACCESSIBLE CABINET
N.T.S.
B / 4

DOOR SCHEDULE

DOOR NO.	OPENING SIZE	DOOR TYPE	DOOR THK.	DOOR MAT'L	FRAME MAT'L	DETAILS SHT. 1 HEAD	DETAILS SHT. 1 JAMB	DETAILS SHT. 1 THRESHOLD	GLAZING	RATING		REMARKS
1	3'-0"X6'-8"	A	1 3/4"	H.M	H.M				N/A	N/A		
2	3'-0"X6'-8"	A	1 3/4"	H.M	H.M				N/A	N/A		

DOOR TYPES



A
EXTERIOR

B
INTERIOR
NOT USED

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING	MISC.	CLG. HT.	REMARKS
01	CLASSROOM		B1	W1	W1	W1	W1	C1	N/A	8-6	N/A

FINISHES

FLOOR FINISHES
- F1 VINYL COMPOSITION TILE
- F2 CARPETING
- F3 SHEET VINYL

BASE FINISHES
- B1 RUBBER COVE BASE

REMARKS
- 1 SEE PLAN FOR LOCATION OF FLOOR FINISHES

WALL FINISHES
- W1 1/2" VINYL WRAPPED SOUND BOARD OVER 1/2" GYPSUM BD.
- W2 1/8" MARLITE OVER 1/2" GYPSUM BOARD

CEILING FINISHES
- C1 SUSPENDED LAY-IN ACOUSTIC TILE

MISCELLANEOUS FINISHES

BASED ON PC# 02-101836

36 X 40 PC
RELOCATABLE
CLASSROOM

American Modular Systems

CUSTOMER:
MOBILE MODULAR MANAGEMENT #187

INTERIOR ELEVATIONS AND OPTIONS

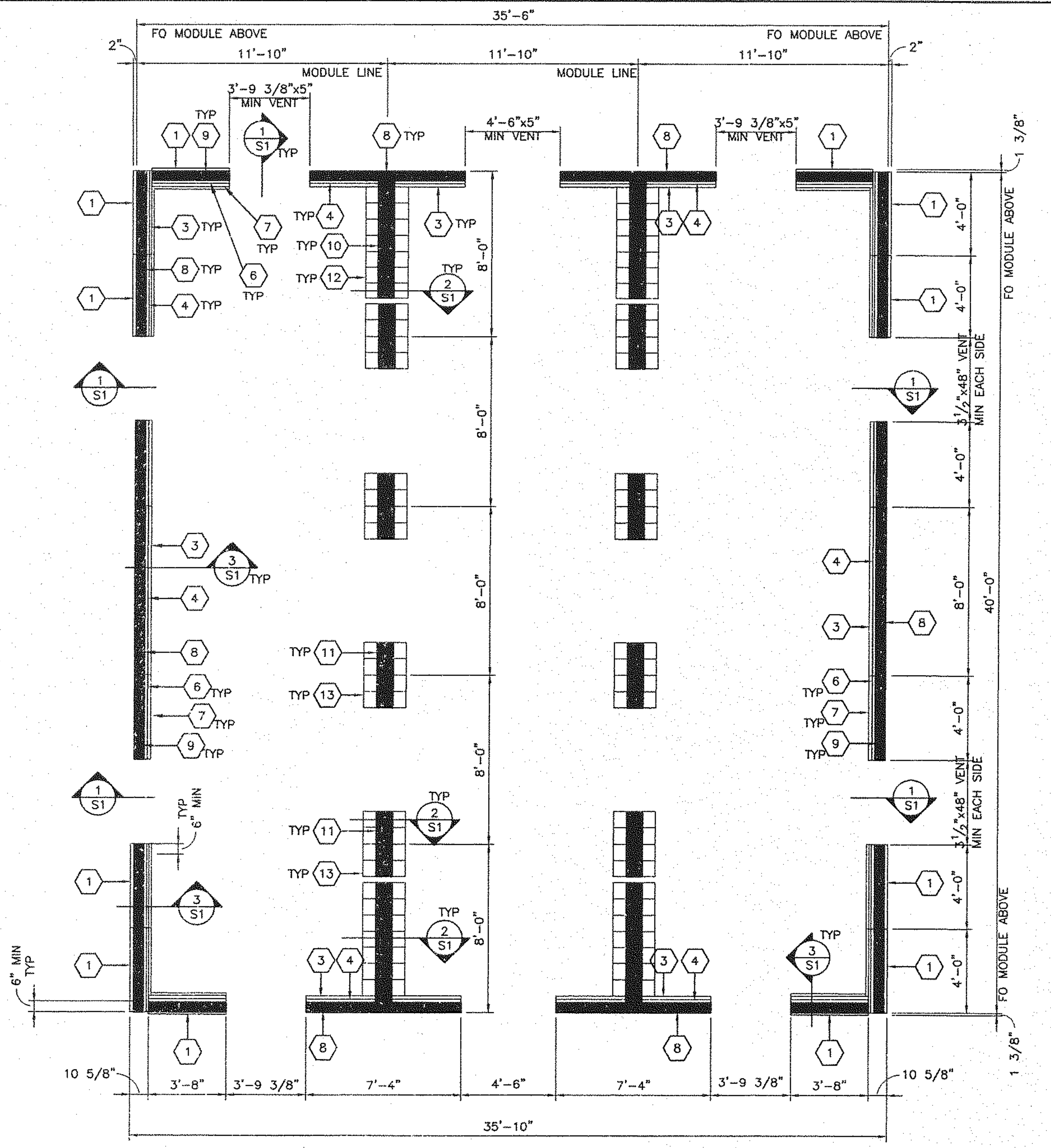
DATE: 07-26-02
SCALE: NONE
DRAWN BY: M.H.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

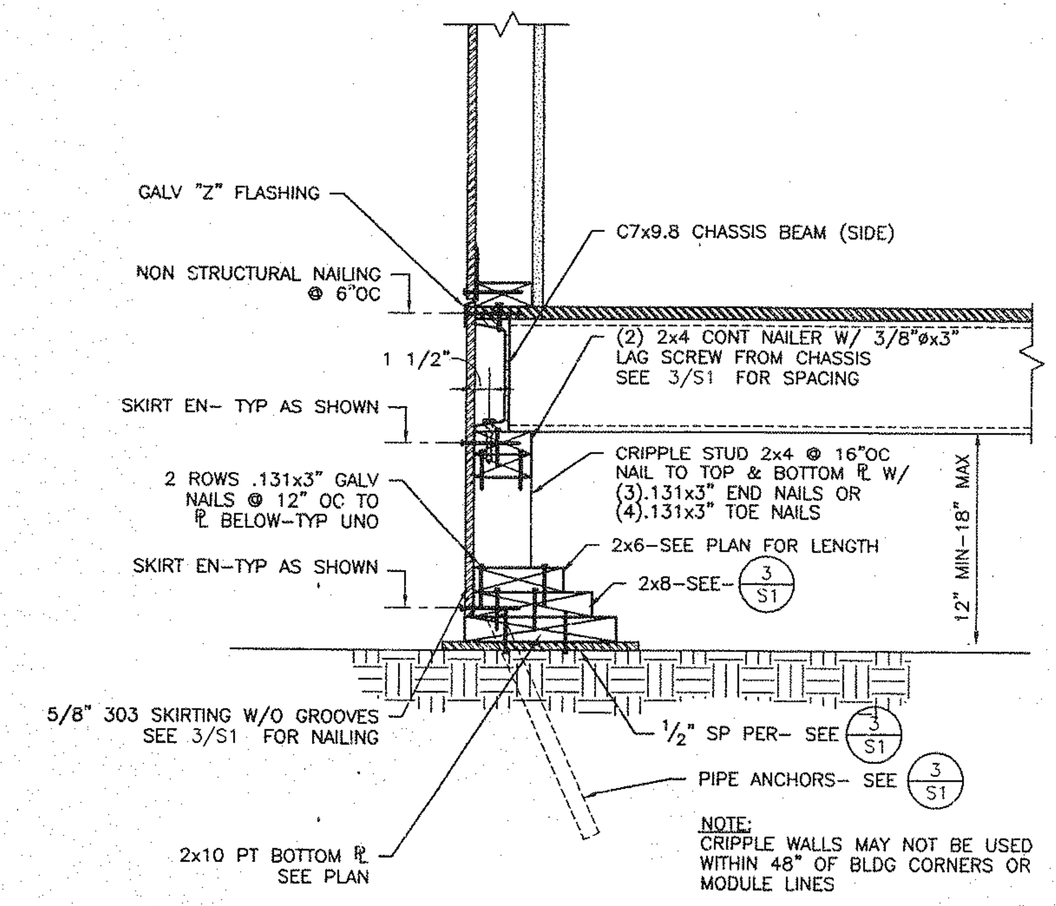
SHEET No.
4



50 PSF LIVE LOAD

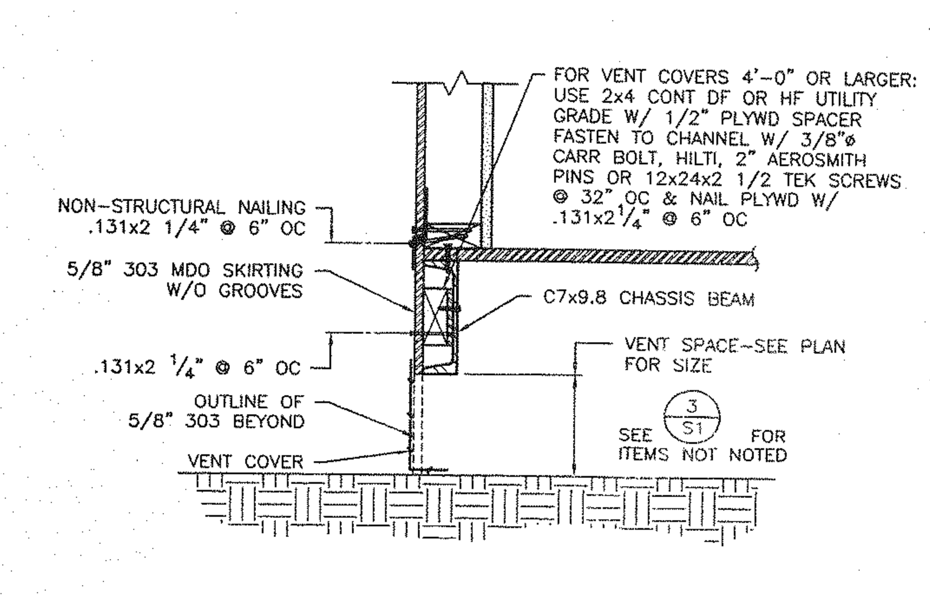
FOUNDATION PLAN

A/S1 — 1/4" = 1'-0"



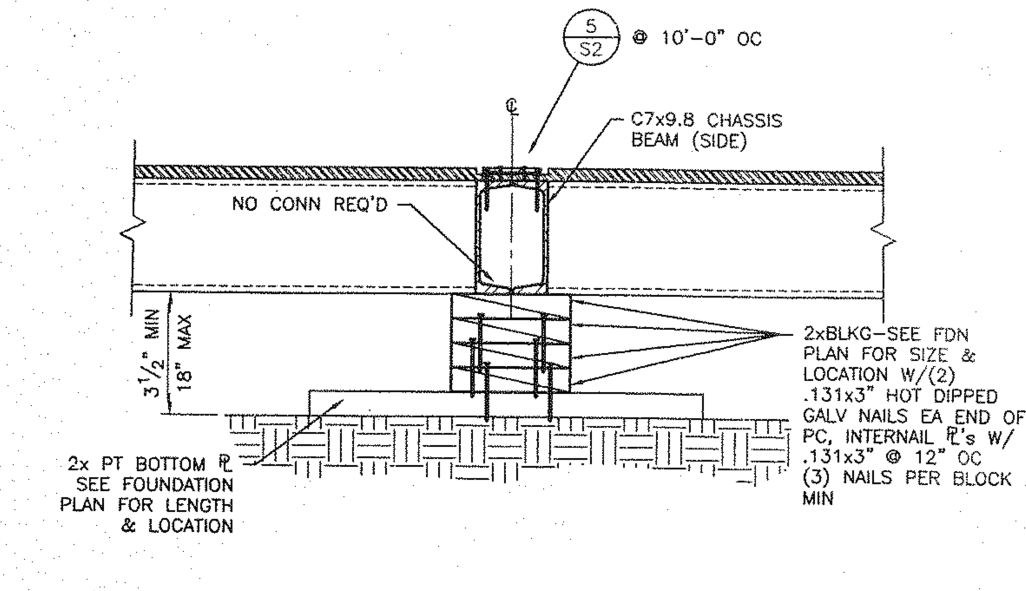
FOUNDATION DETAIL

4/S1 — 1 1/2" = 1'-0"



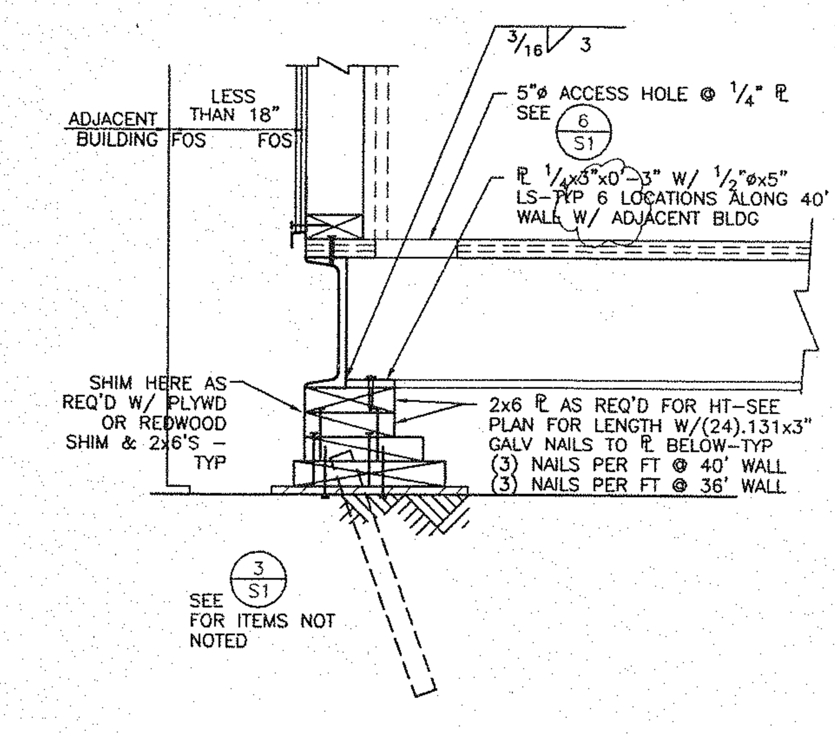
FOUNDATION DETAIL

1/S1 — 1 1/2" = 1'-0"



DETAIL

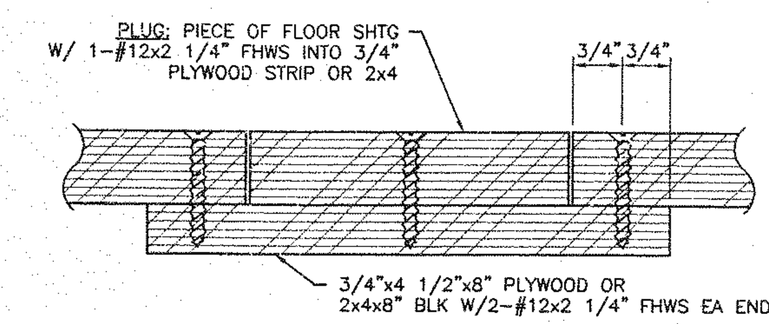
2/S1 — 1 1/2" = 1'-0"



OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART

FOUNDATION DETAIL

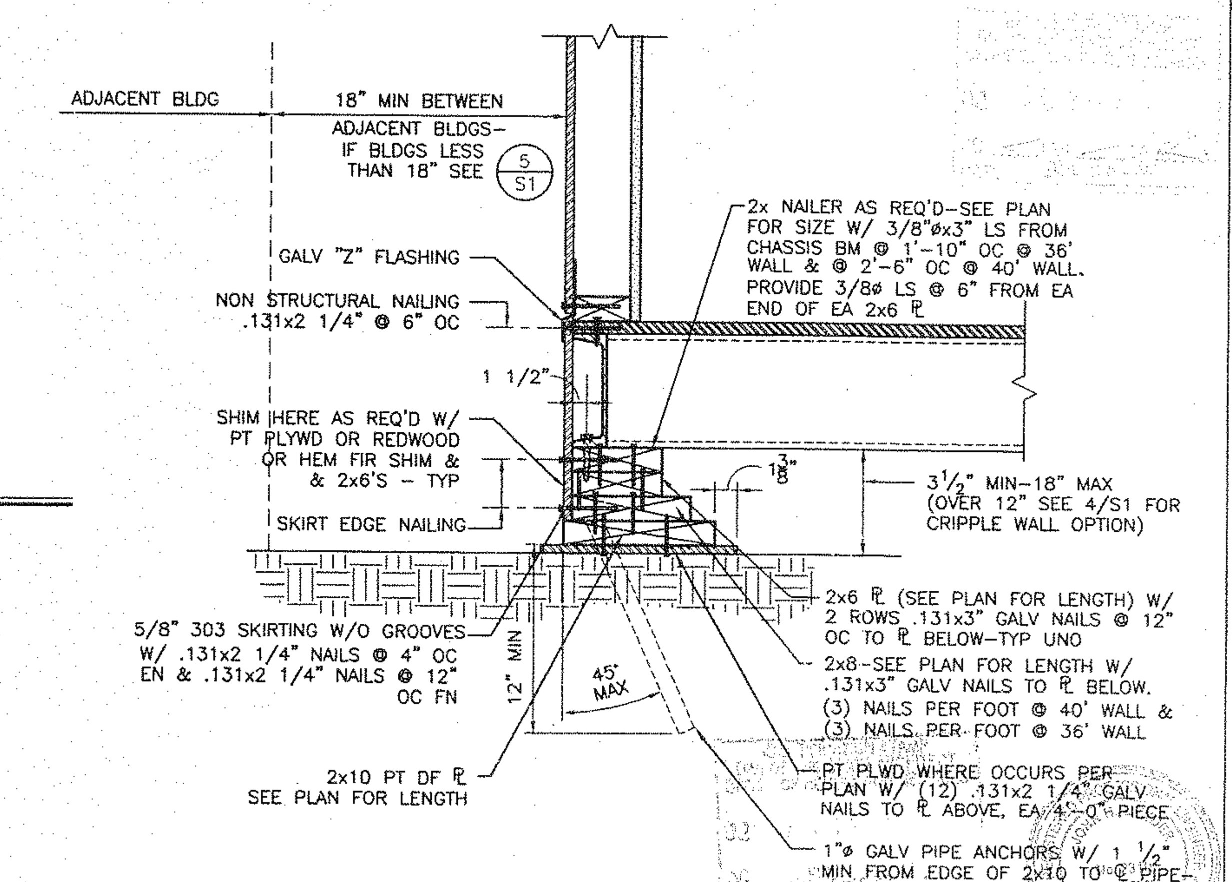
5/S1 — 1 1/2"=1'-0"



FILLER ACCESS HOLE

DETAIL

6/S1 — NO SCALE



FOUNDATION DETAIL

3/S1 — 1 1/2" = 1'-0"

LEGEND:

1. 1/2"x12" WIDE x 48" LONG PT STRUCTURAL PLYWOOD (CDX PLYWOOD)
2. NOT USED
3. 2x10x8'-0" LONG PT ℞
4. 2x8x8'-0" LONG ℞
5. NOT USED
6. 2x8x4'-0" LONG ℞
7. 2x10x4'-0" LONG ℞
8. MULTIPLE 2x6x8'-0" LONG NAILER AS REQ'D FOR HEIGHT
9. MULTIPLE 2x6x4'-0" LONG NAILER AS REQ'D FOR HEIGHT
10. 2x10 ℞ SEE 2/S1
11. 2x10 BLKG, SEE 2/S1
12. (5)2x12x2'-0" OR (7)2x10x2'-0" OR (8)2x8x2'-0", SEE 2/S1
13. (4)2x12x2'-0" OR (4)2x10x2'-0" OR (5)2x8x2'-0", SEE 2/S1

* 1"⌀ GALVANIZED PIPE LOCATIONS-TYPICAL

NOTES:

1. TOP OF WOOD PADS TO BE LEVEL.
2. DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
3. SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
4. FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
5. PER THE CONTRACT OF THIS PROJECT-THE BUILDING PAD MUST BE A MINIMUM OF 42'x50' AND SHALL NOT EXCEED 6" OUT OF LEVEL IN ANY DIRECTION.
6. VENT AREA REQUIRED=($\frac{1440 \text{ SF}}{150 \text{ SF}}$)=9.6 SF
VENT AREA PROVIDED=9.7 SF

SILL RESTRAINT:

ON SOIL:	1"⌀ GALV PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 10'-0" OC MIN 2 EA 2x ℞. DRILL SILL 1 1/4" MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.
ON A/C PAVING:	1"⌀ GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC MIN 2 EA 2x ℞. DRILL SILL 1 1/4" MAX OR 20d NAILS THRU SILL ℞ @ 32" OC
ON CONC PAVING:	HILTI DS 82-P10 THRU SILL ℞ @ 4'-0" OC, 2 EA PIECE

FOUNDATIONS:

ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 1998 CALIFORNIA BUILDING CODE. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE HF#2 OR DF#2 "FOR ABOVE GROUND USE." THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RE-TREATED PER SPECIFICATIONS. LP-2 AND LP-22 MATERIAL SHALL BE BANDED SEPARATELY FOR SHIPMENT TO THE JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH BANDED UNIT SHALL BE ATTACHED TO THE MATERIAL.
CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED.
INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.

FILE NO. PC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO. 02-101836
AC — FLS — SS
DATE JAN 1 2 2000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

WOOD: 50 PSF FLOOR LIVE LOAD
W/O PARTITION LOAD

M:\99107\ACAD\STRU\S1.dwg 10-18-99 11:35:35 am EST

36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
EXP. 3-31-01
Structural Engineer
STATE OF CALIFORNIA

CUSTOMER:

FOUNDATION PLAN
AND DETAILS

DATE:	12/27/99
SCALE:	AS NOTED
DRAWN BY:	PWD
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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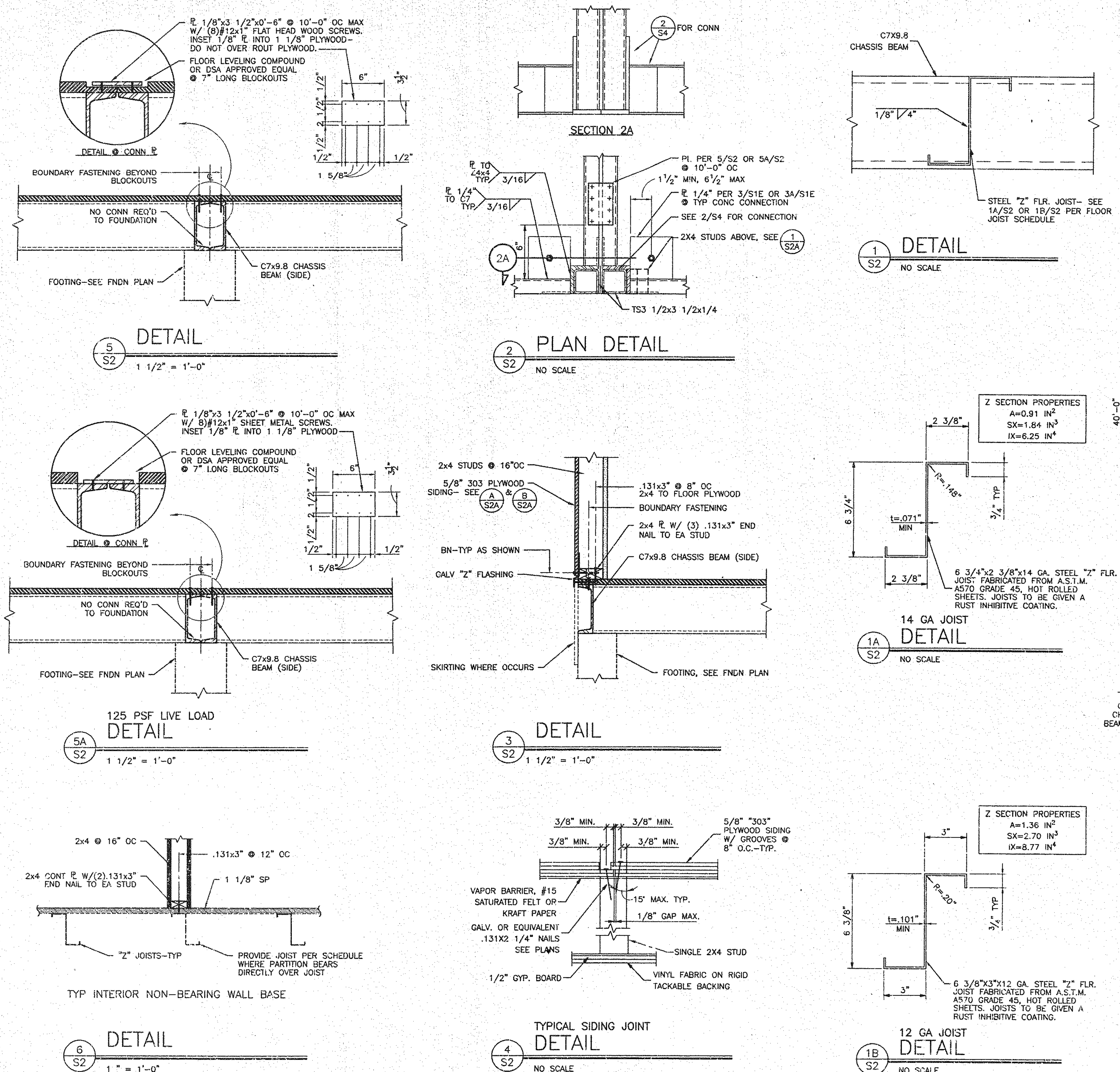
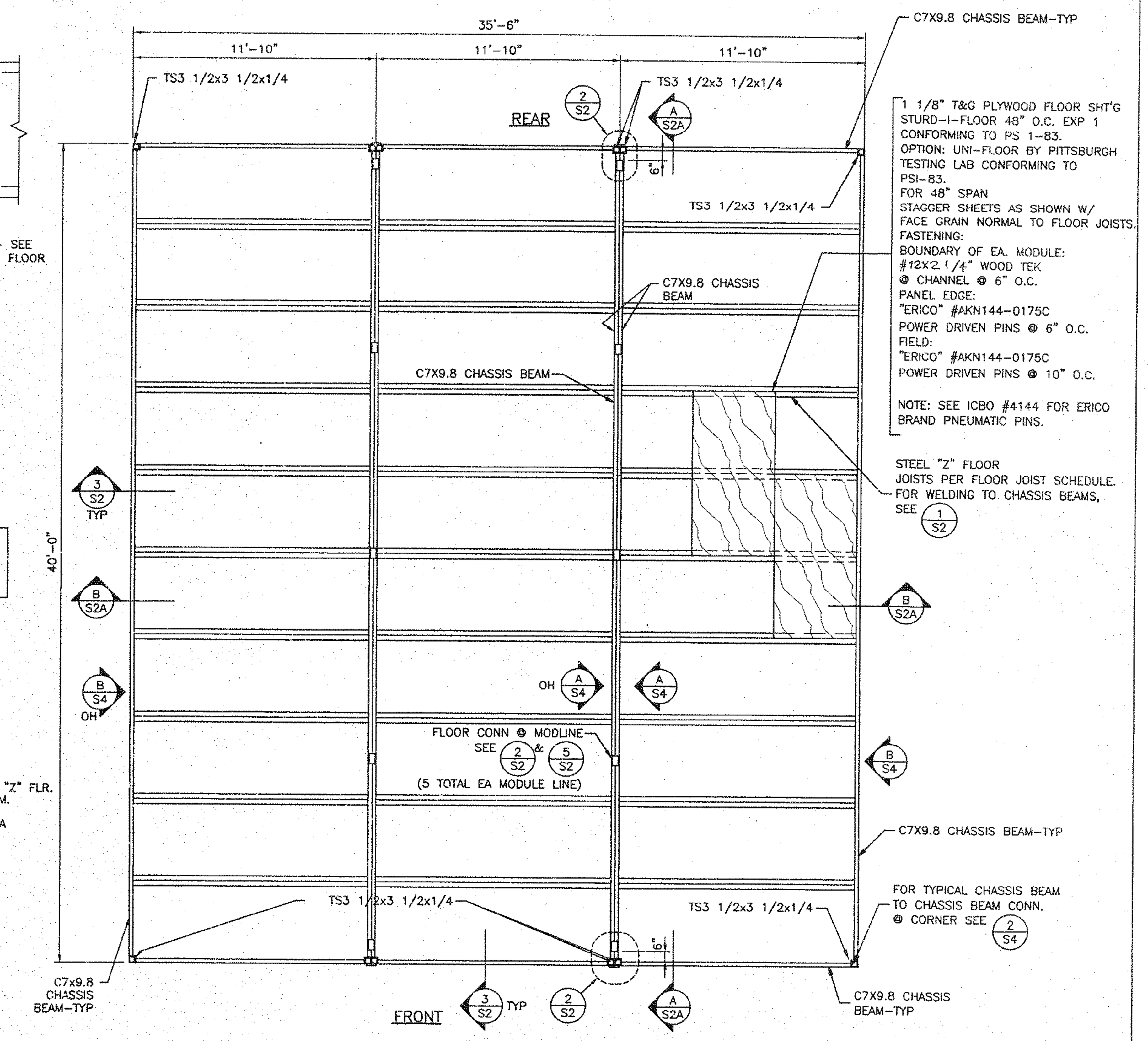
PROJECT No. 99107

SHEET No. S1





NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.

A/S2 FLOOR FRAMING PLAN
1/4" = 1'-0"

FLOOR JOIST SCHEDULE		
LIVE LOAD	SPACING	
	14 GA JOIST	12 GA JOIST
50 PSF	48" OC	48" OC
100 PSF	24" OC	24" OC
125 PSF	—	24" OC

NOTES:
1. FOR JOISTS SEE 1A/S2 AND 1B/S2
2. SPACING IS TO CENTER LINE OF TOP FLANGE.
3. PROVIDE 12GA JOIST WHERE PARTITION BEARS DIRECTLY OVER JOIST

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

FILE NO. PC
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPLICATION NO. 02-101836
AC FLS SS
DATE JAN 1 2 2000

M:\99107\ACAD\STRU\S2.dwg 10-18-99 11:26:42 am EST

36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER Kenneth A. Luttrell No. 1418 EXP. 3-31-01 Structural Engineer STATE OF CALIFORNIA

CUSTOMER:

FLOOR FRAMING
PLAN AND DETAILS

DATE:	12/27/99
SCALE:	AS NOTED
DRAWN BY:	PWD
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

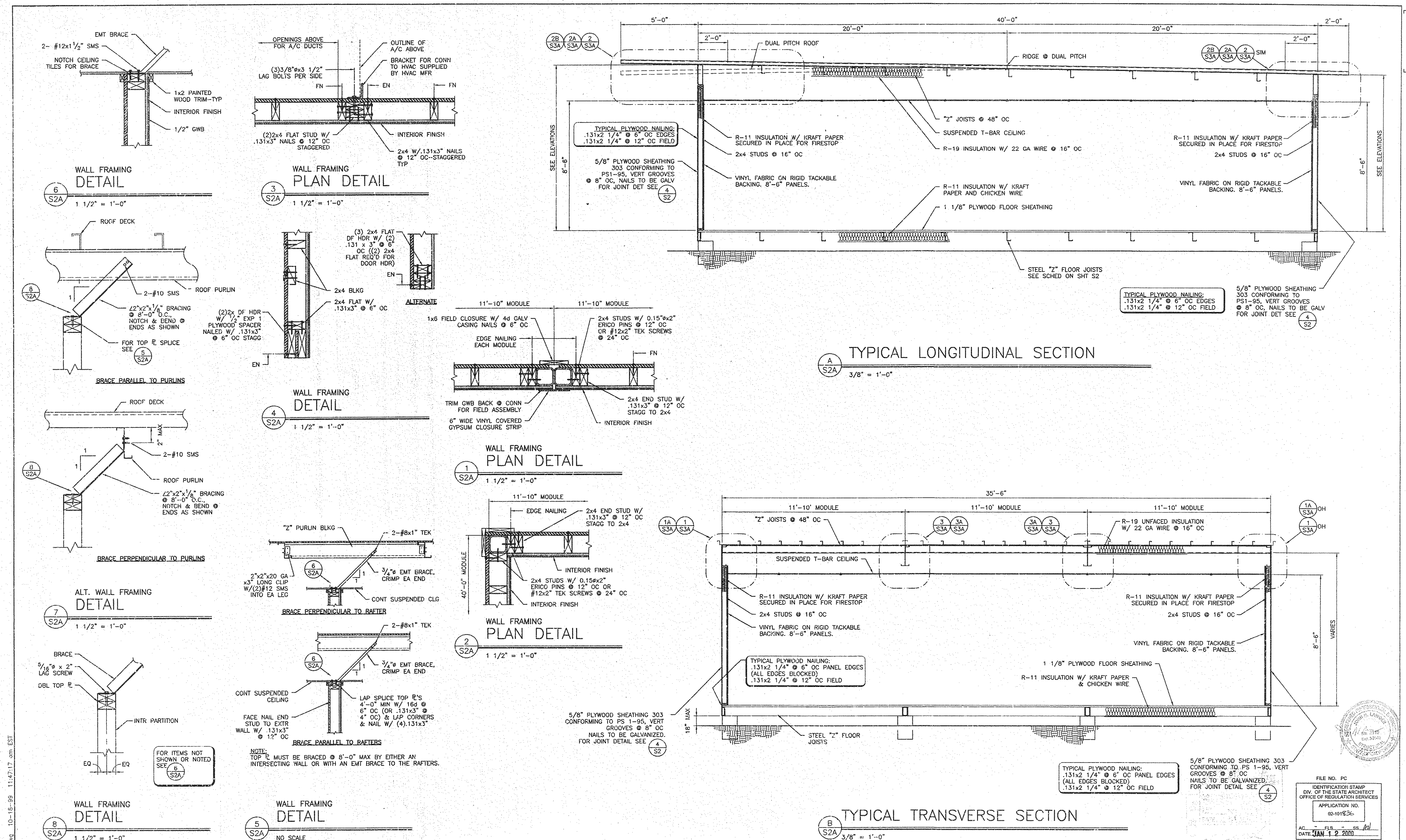
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No. 99107

SHEET No. S2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO. 02-101836
DATE JAN 1 2 2000

M:\99107\ACAD\STRU\S2a.dwg 10-18-99 11:47:17 am EST

36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
EXP. 3-31-01
Structural Engineer
STATE OF CALIFORNIA

CUSTOMER:

BUILDING SECTIONS AND WALL DETAILS

DATE:	12/27/99
SCALE:	AS NOTED
DRAWN BY:	PWD
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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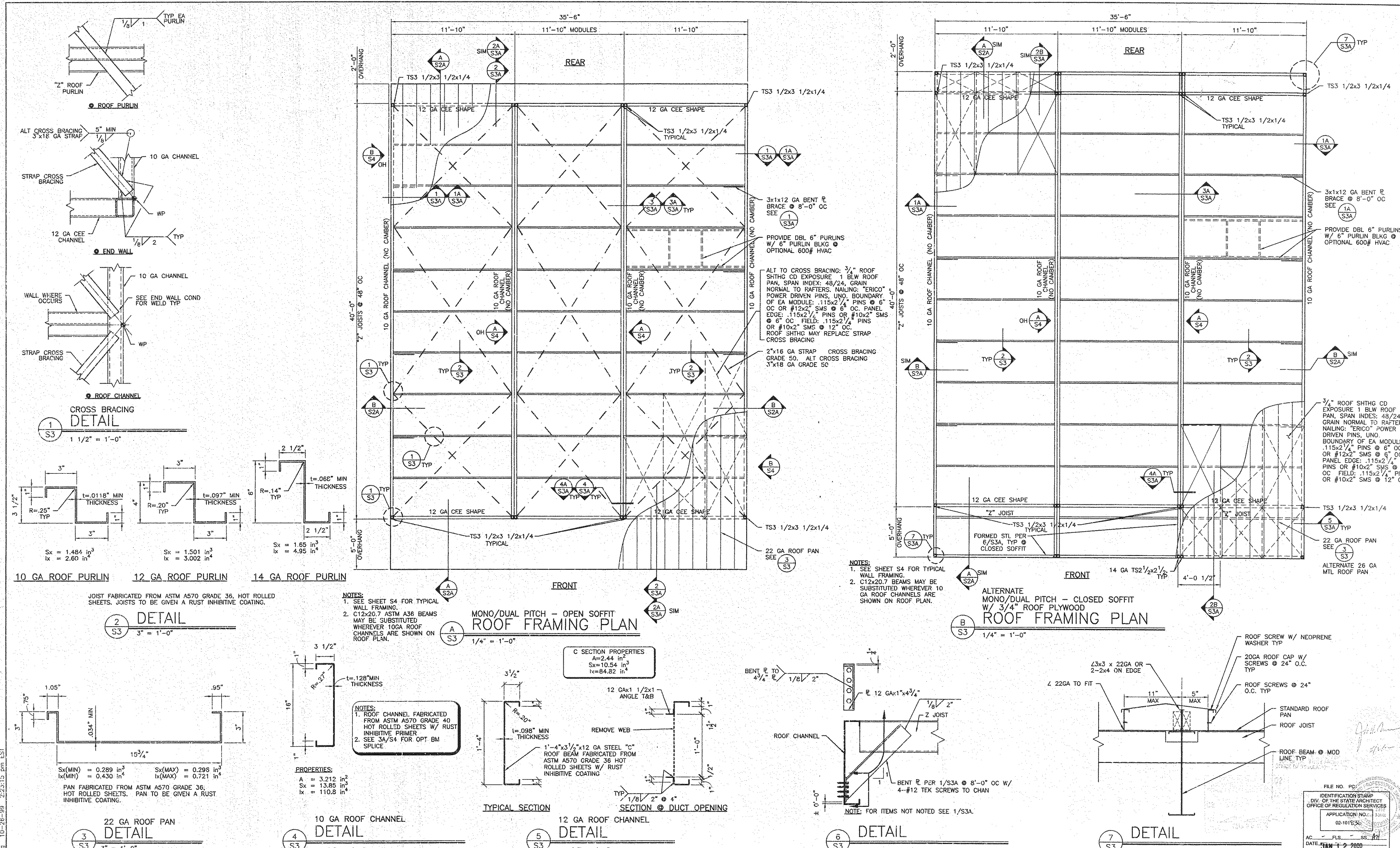
PROJECT No. 99107

SHEET No. S2A



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36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

CUSTOMER:

ROOF FRAMING
PLANS AND DETAILS

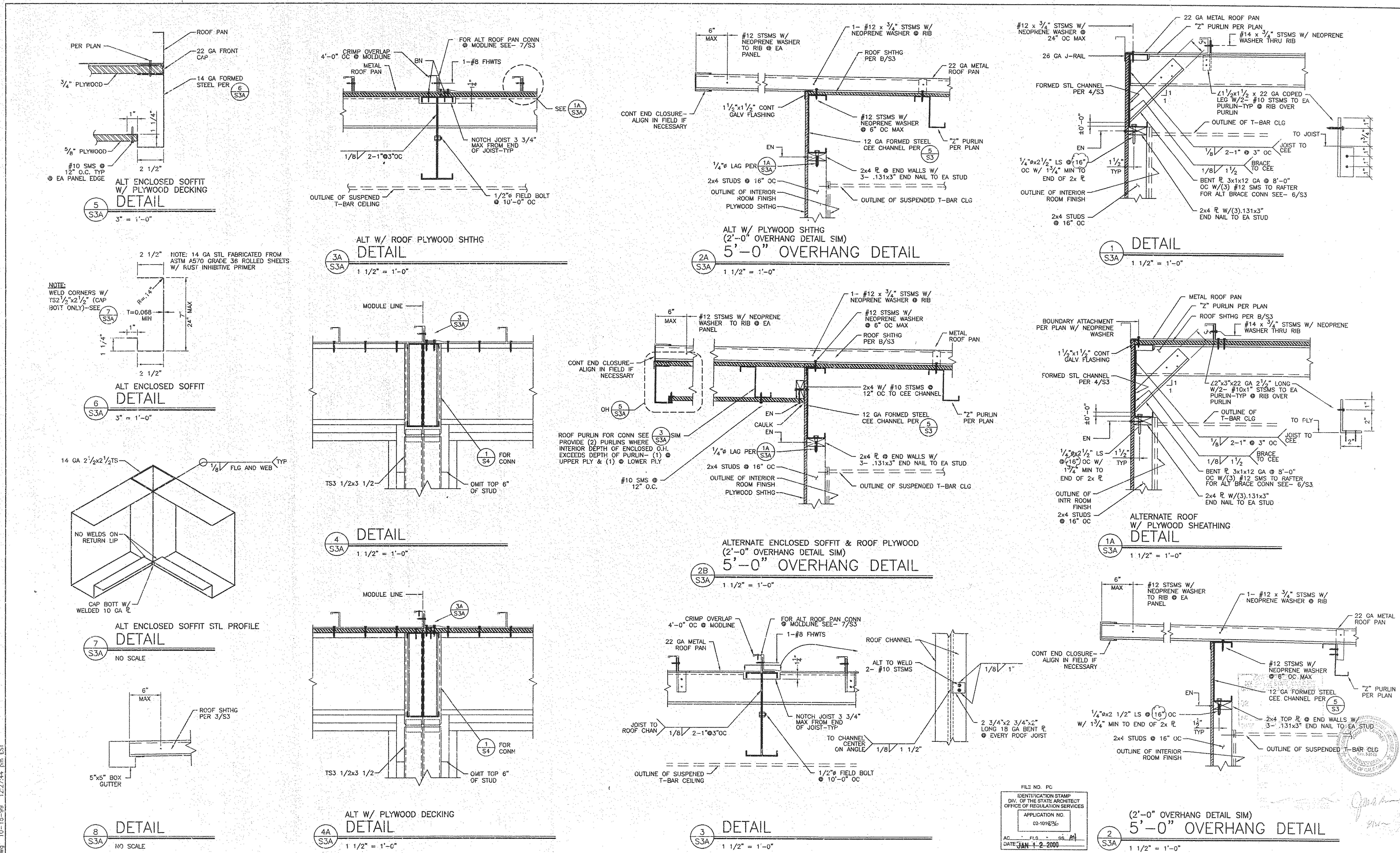
DATE:	12/27/99
SCALE:	AS NOTED
DRAWN BY:	PWD
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No. 99107

SHEET No. S3



36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Lucas
No. 1418
EXP. 3-31-01
Structural Engineer
STATE OF CALIFORNIA

CUSTOMER:

ROOF FRAMING DETAILS

DATE:	12/27/99
SCALE:	AS NOTED
DRAWN BY:	PWD
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.
99107

SHEET No.
S3A

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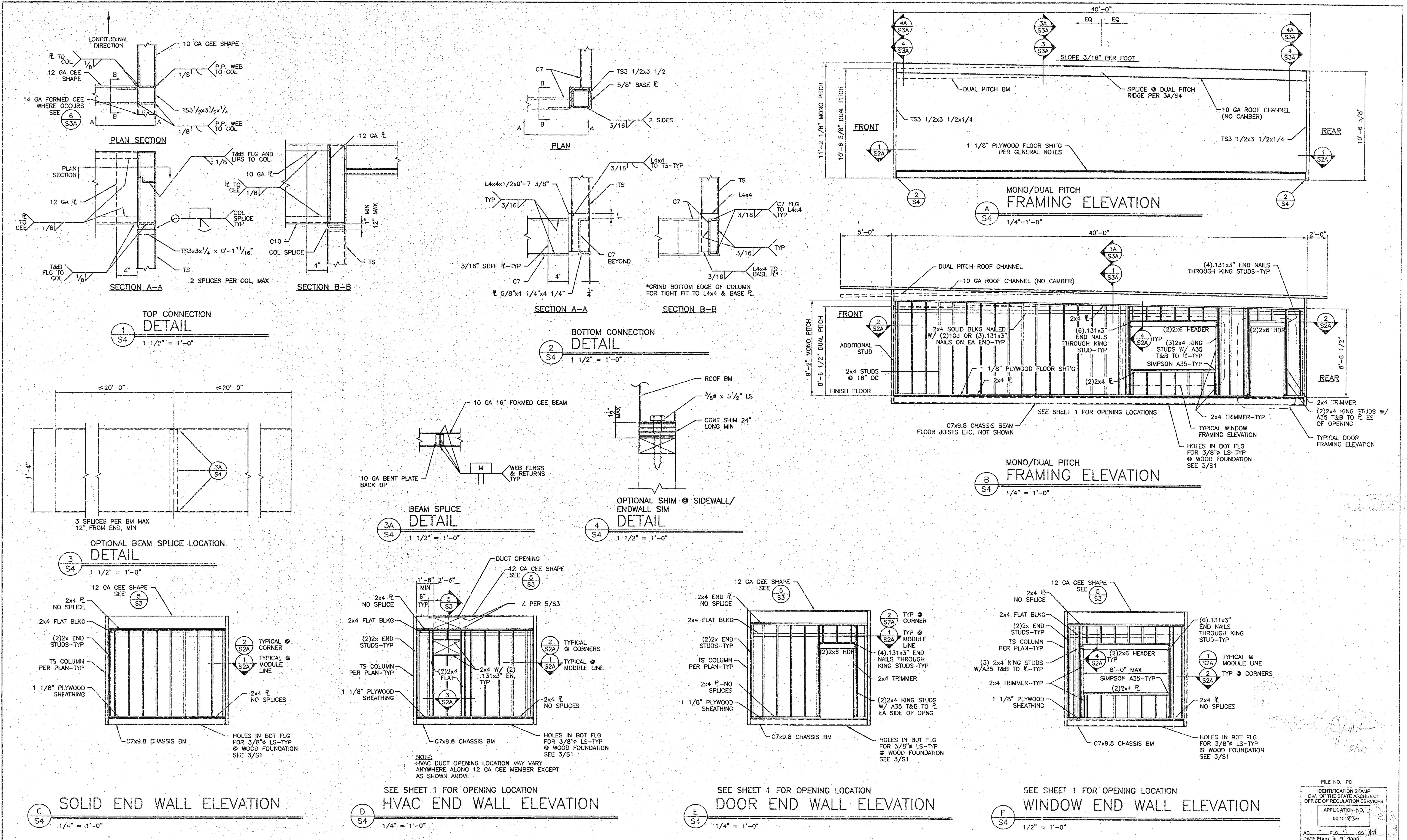

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPLICATION NO. 02-101836
AC ___ FLS ___ SS ___
DATE JAN 1 2 2000

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36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1418
EXP. 3-31-01
Structural Engineer
STATE OF CALIFORNIA

CUSTOMER:

FRAMING ELEVATIONS AND DETAILS

DATE: 12/27/99
SCALE: AS NOTED
DRAWN BY: FWD
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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△			△		
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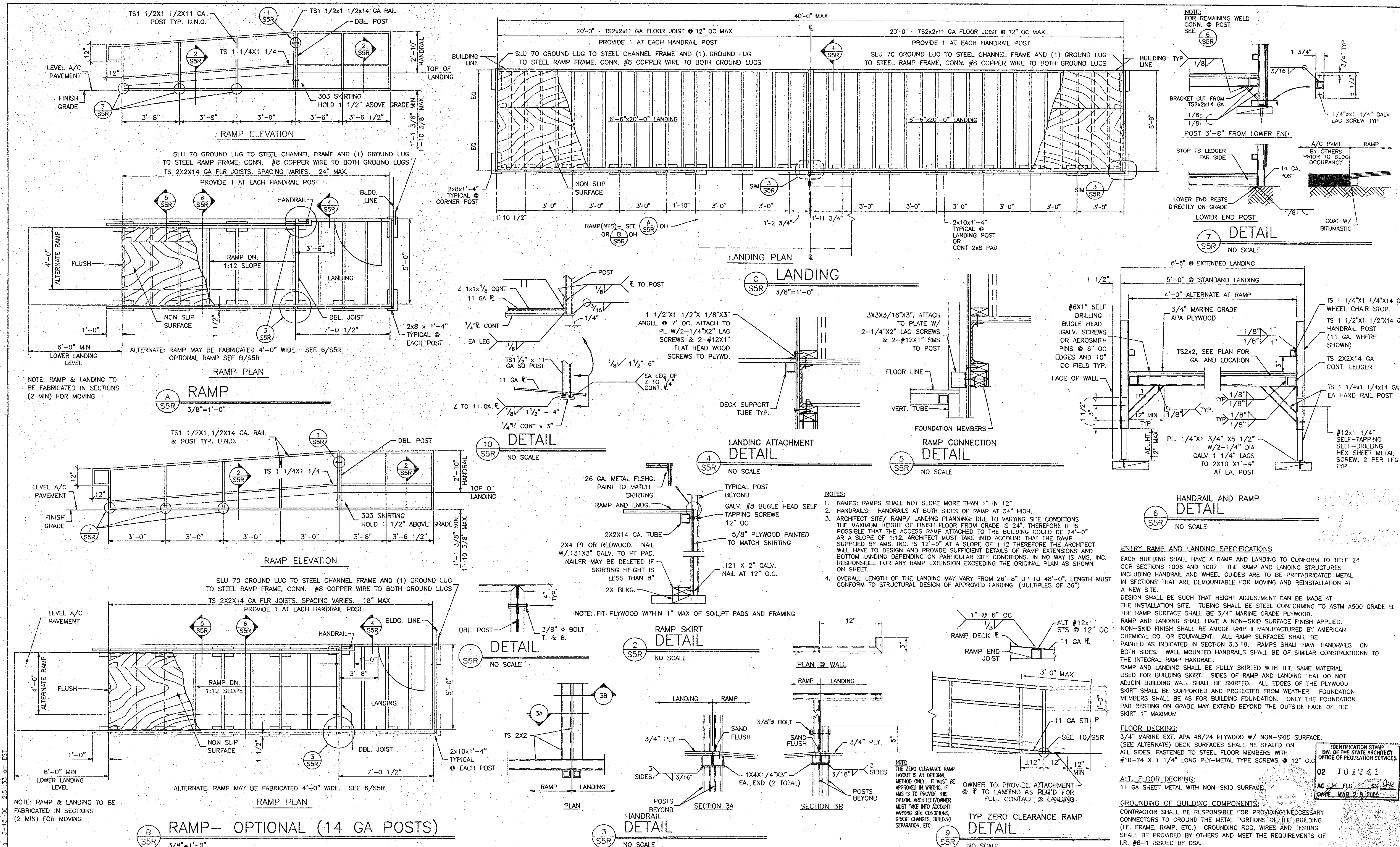
PROJECT No. 99107

SHEET No. S4

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



NOTES:

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP AT 34" HIGH.
3. ARCHITECT SITE/ RAMP/ LANDING PLANNING: DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 24", THEREFORE IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 24'–0" AR A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY AMS, INC. IS 12'–0" AT A SLOPE OF 1:12 THEREFORE THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS AMS, INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET.
4. OVERALL LENGTH OF THE LANDING MAY VARY FROM 26'–8" UP TO 48'–0". LENGTH MUST CONFORM TO STRUCTURAL DESIGN OF APPROVED LANDING. (MULTIPLES OF 36")

ENTRY RAMP AND LANDING SPECIFICATIONS

EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 1006 AND 1007. THE RAMP AND LANDING STRUCTURES INCLUDING HANDRAIL AND WHEEL GUIDES ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE.
DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. TUBING SHALL BE STEEL CONFORMING TO ASTM A500 GRADE B. THE RAMP SURFACE SHALL BE 3/4" MARINE GRADE PLYWOOD.
RAMP AND LANDING SHALL HAVE A NON–SKID SURFACE FINISH APPLIED. NON–SKID FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN CHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SECTION 3.3.19. RAMPS SHALL HAVE HANDRAILS ON BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTIONN TO THE INTEGRAL RAMP HANDRAIL.
RAMP AND LANDING SHALL BE FULLY SKIRTED WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE SKIRT 1" MAXIMUM

FLOOR DECKING:

3/4" MARINE EXT. APA 48/24 PLYWOOD W/ NON–SKID SURFACE. (SEE ALTERNATE) DECK SURFACES SHALL BE SEALED ON ALL SIDES. FASTENED TO STEEL FLOOR MEMBERS WITH #10–24 X 1 1/4" LONG PLY–METAL TYPE SCREWS @ 12" O.C

ALT. FLOOR DECKING:

11 GA SHEET METAL WITH NON–SKID SURFACE.

GROUNDING OF BUILDING COMPONENTS:

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECCESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.) GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHERS AND MEET THE REQUIREMENTS OF I.R. #8–1 ISSUED BY DSA.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 101741
AC FLS SS
DATE MAR 2 8 2000

12 x 40
RESTROOM

American Modular Systems

CUSTOMER:

RAMP PLAN, ELEVATIONS AND DETAILS

DATE:	15 DECEMBER 99
SCALE:	AS NOTED
DRAWN BY:	PWD
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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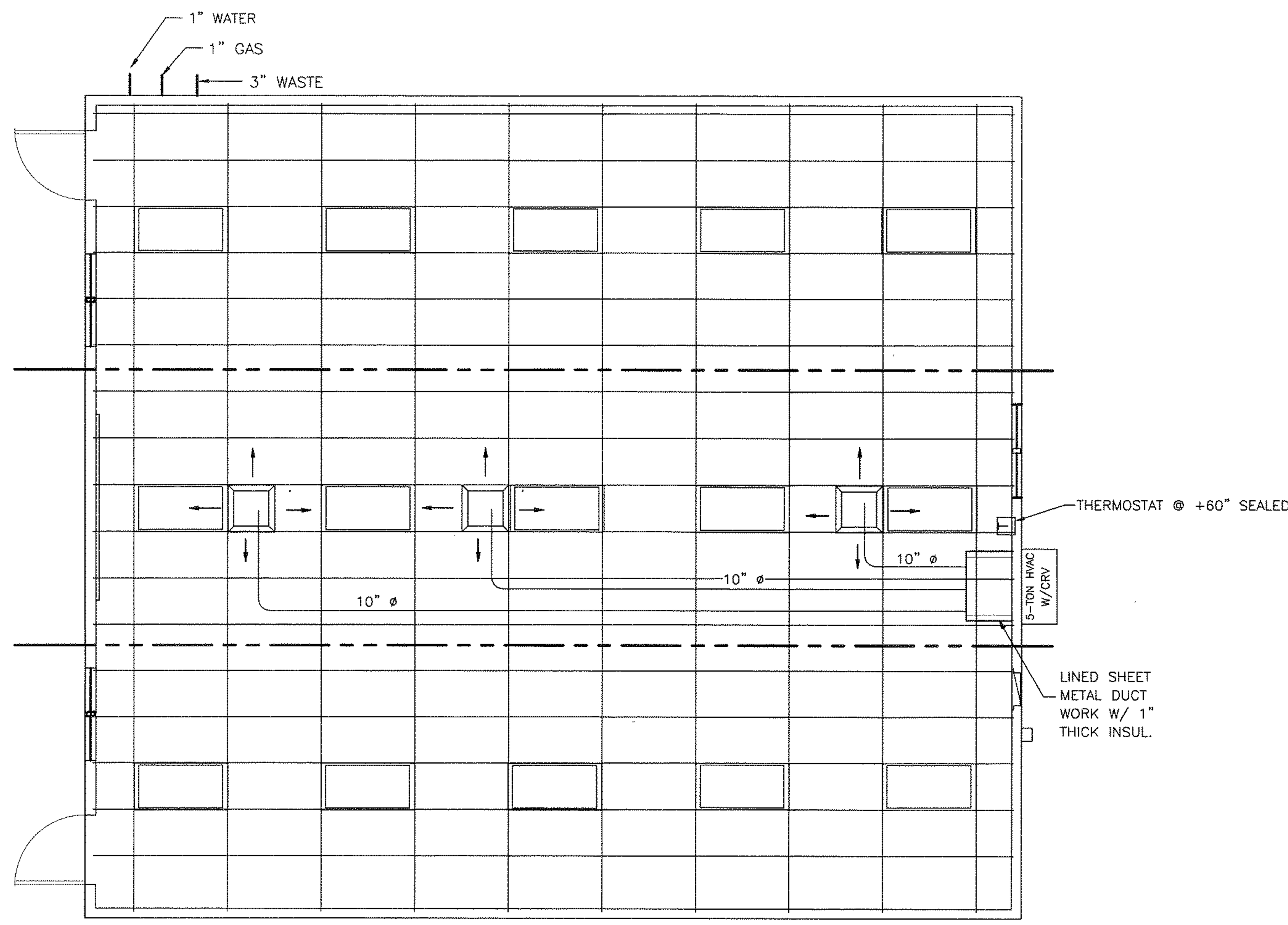
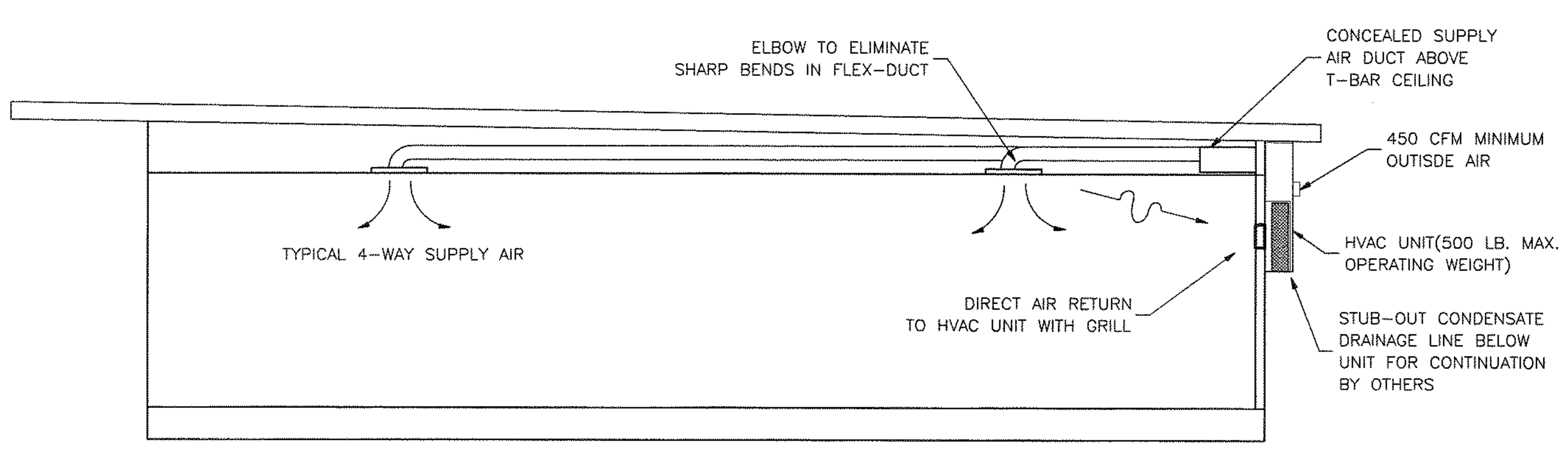
PROJECT No. 99175

SHEET No. S5R



HEAT/SUPPLY AIR DUCT LAYOUT

SCALE: 1/4"=1'-0"



HEAT/SUPPLY AIR DUCT CROSS SECTION

SCALE: 1/4"=1'-0"

BUILDING FIXTURES, EQUIPMENT, & APPLIANCE SPECIFICATIONS

1. Sewer And Water Stub Outs – shall be located within the allowable area as shown on floor plan and connections should be easily accessible for future relocation. Stub out height should be coordinated by the manufacturer.
2. Piping – Water, copper type "L", 95/5 solder. Waste, drain and vent ABS.
3. Lab stations–PORCELAIN SINKS
4. Classroom Sink–Republic25X22 stainless steel, with T&S 1142 faucet w/wrist blade handles, and HAWS 5055 bubbler.

HVAC CFM CHART

MODEL NUMBER	DISCRIPTION	MAX. CFM
WH421–A	3 1/2 TON HEAT PUMP	1400
WH482–A	4 TON HEAT PUMP	1550
WH602–A	5 TON HEAT PUMP	1700

DUCT SUPPORT

Flex duct to be supported with 1–1/2" wide x 26 ga. galv. strap @ max 6'–0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1–1/2" wide x 26 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners.
Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

THESE DRAWINGS COMPLY WITH THE ENERGY CONSERVATION REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA

GENERAL NOTES

HEATING VENTILATING AND AIR CONDITIONING (HVAC)

1. Heat Pump: Single package wall mounted air to air electric heat pump unit shall be rated in accordance with ARI Standard 240–77.
   Reference Brands: BARD WH60A–W/CRV

   All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards.

   A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer
   B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.
2. Ductwork.
   A.) Construct all ductwork of galvanized sheet metal in accordance with C.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 2'–0" of HVAC unit.

   B.) Non–metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex–duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 2' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure.
   Reference Brands: Owens–Corning fiberglass ducttboard, 1" thick, and Micro–aire, TYPE 475.
   Non–metallic ductwork shall conform to NFPA 90–A and SMACNA Class 1 rating.
3. Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.
4. Supply air diffusers shall be 675 CFM max. 12" round. 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro– Aire type #475 Owens–Corning, Knauf, Certainteed, or equal and 90– B: UL #131 test, class 1 rating with "SMACNA".
5. Registers and diffusers: Provide three (Min) 4–way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, Shoemaker, Barber–Coleman or Krueger commercial grade grills and registers
6. Air conditioning controls.
   Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.
   A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24–hour period.
   B.) Key board lockout switch.
   C.) Programmable display.
   D.) 2–hour override minimum.
   E.) Status Indicated Led's.
   F.) Battery back–up.
   Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers IF92. Mount at + 60" sealed.
7. Thermal insulation
   A.) Roof Insulation: R–19 Unfaced.
   B.) Walls Insulation: R–11 Kraft Faced.
   C.) Floors Insulation: R–11 Kraft Faced.
   Flame spread and smoke development shall conform to California Building Code sec. 707.
8. Factory–made air ducts. Factory–made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6–1. Each portion of a factory–made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliancewith U.M.C. Standard No. 6–1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6–1.

REGISTERED PROFESSIONAL ENGINEER JOHN H. LAWSON No 2310 Exp 3-31-05 STRUCTURAL STATE OF CALIFORNIA

NOTE
STUB OUT LOCATIONS FOR WATER, WASTE AND GAS ARE DIAGRAMITICAL ONLY.
EXACT LOCATIONS MAY VARY +/– SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS.
POINT OF CONNECTION WILL BE AT THE FACE OF THE BUILDING.

BASED ON PC# 02–101836

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-104636
AC. ___ FLS. ___ SS ___
DATE ___

36 X 40 PC
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:	MOBILE MODULAR MANAGEMENT #187
	MECHANICAL PLAN & NOTES

DATE:	07–29–02
SCALE:	NONE
DRAWN BY:	M.H.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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△			△		
△			△		
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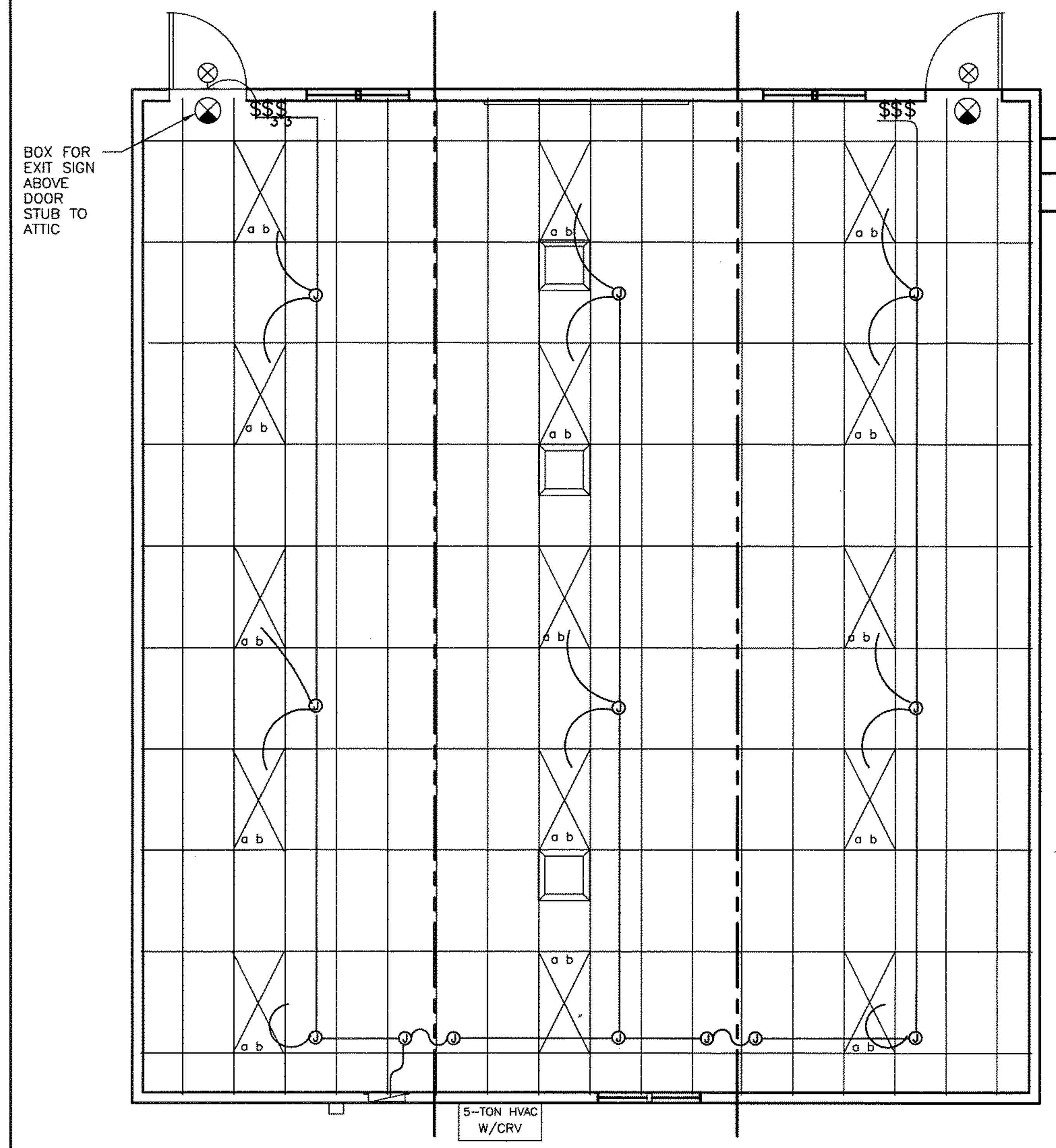
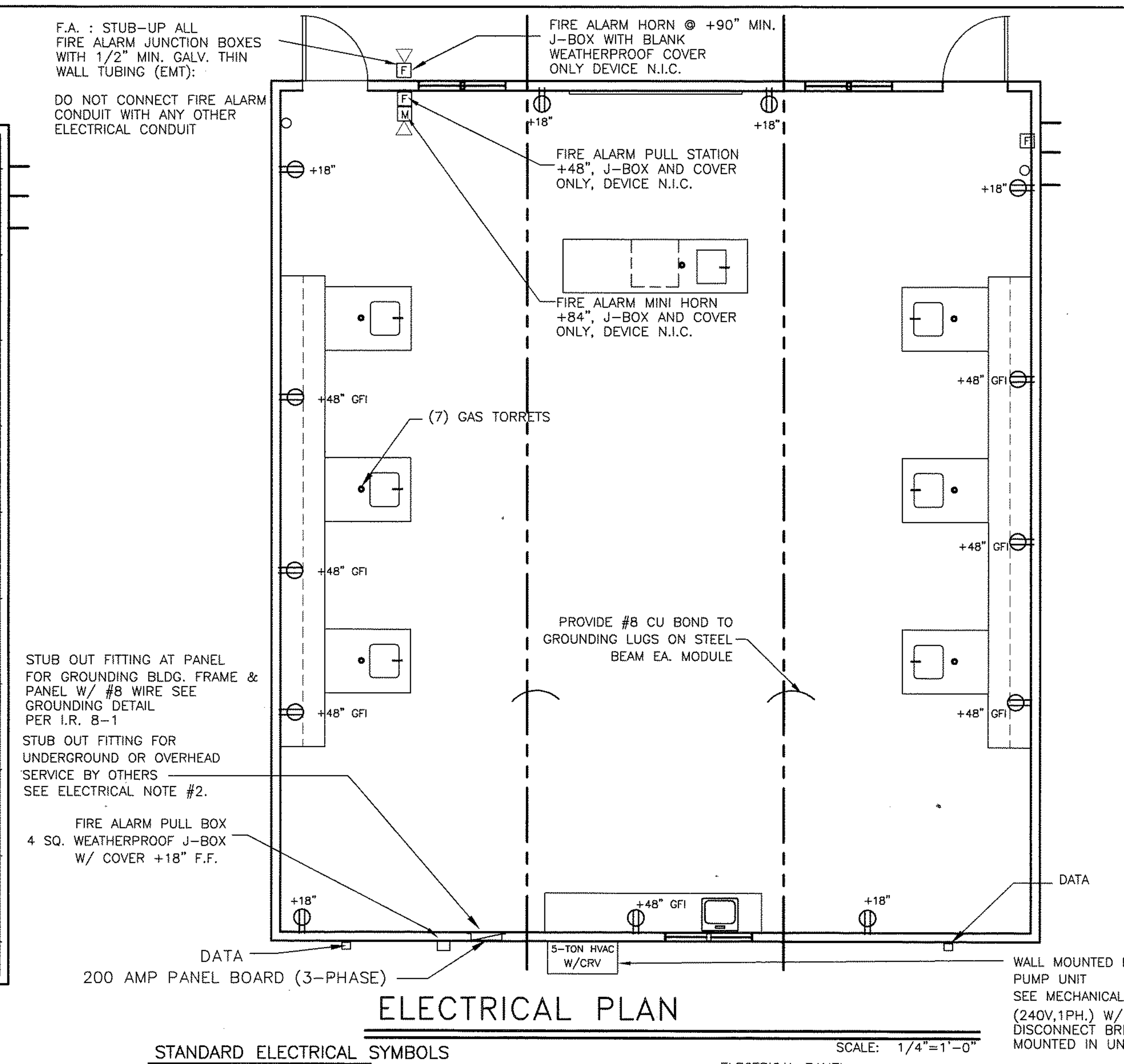
PROJECT No.

SHEET No.
M 1



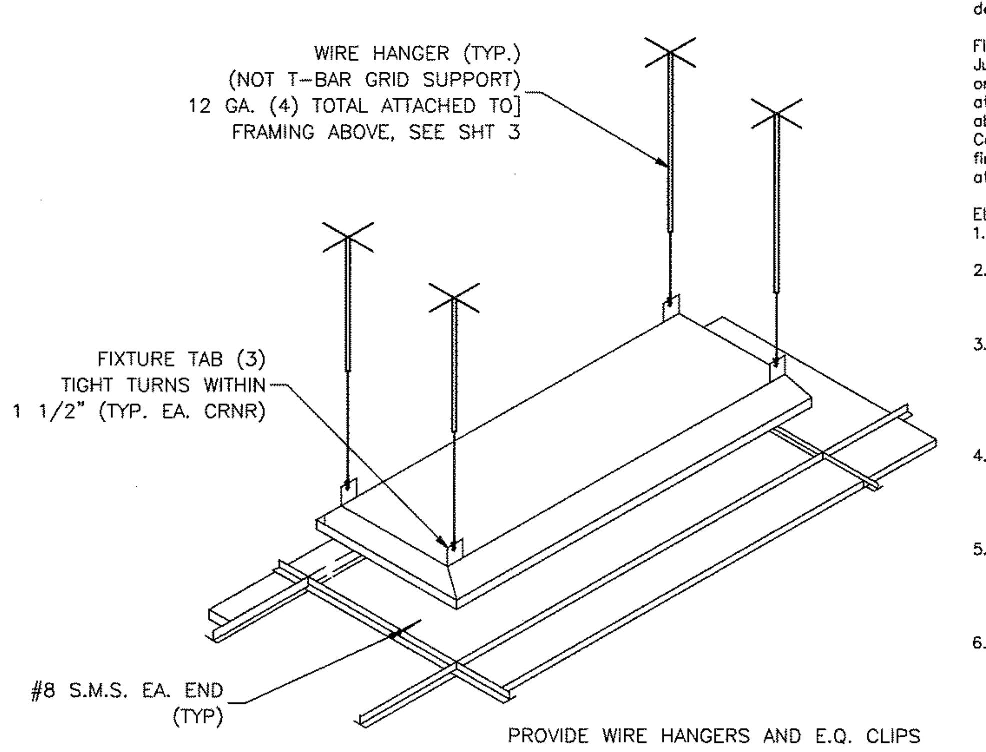
LIGHT FIXTURES

SCALE: 1/4"=1'-0"



ELECTRICAL PLAN

SCALE: 1/4"=1'-0"



SUPPORT DETAIL

3/4"=1'-0"

The H.V.A.C. unit feeder circuit – panel circuit breaker, feeder wire, unit disconnect and fuses (where used) – is to be coordinated with the name plate data at the time of manufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 60 degrees C. wire is to be used in this installation, calculations demonstrating ampacity be provided on the drawing.

FIRE ALARM

Junction boxes – Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18– above finish floor for future connection.

Covers – Install gasketed, metal, waterproof, finish covers at exterior locations. Install finish covers at interior locations.

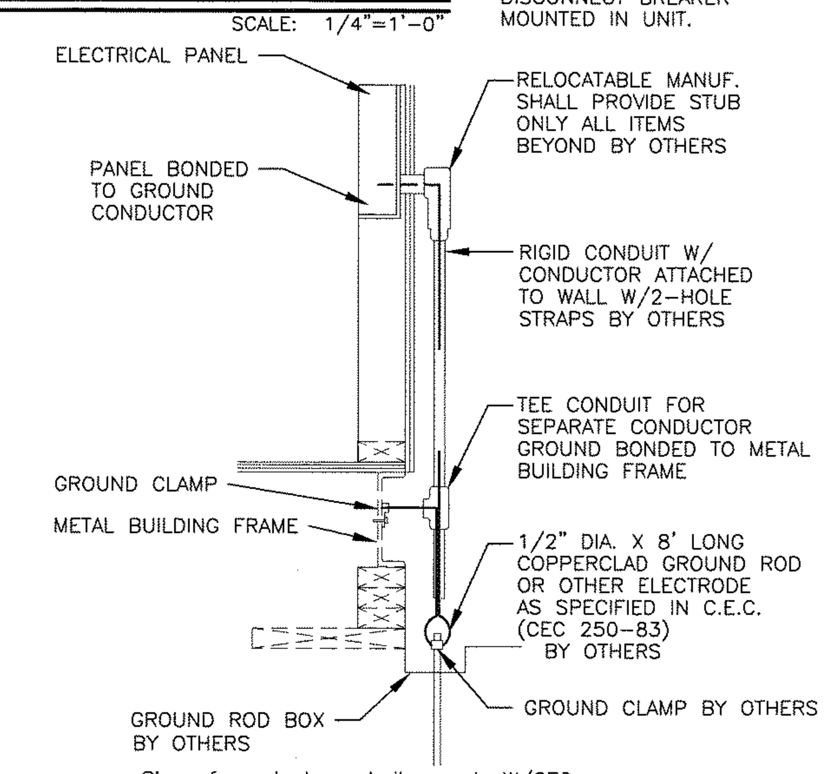
ELECTRICAL

1. Electrical service drop and connections supplied by others.
2. Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
3. Electrical panel board shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.
4. 2x4 Flourescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH-12, Carolite, Inc. #C-12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be .125 inch.
5. Flourescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
6. Clock – 12" dial clock on clock outlet.
   A) Clock shall be General Electric model 2912 129V 60 cycle OR EQUAL.
   B) Clock outlet shall be Bryant #2828 or equal with seperable hanging clip & app'd recept.

Size of conductors shall comply W/CEC

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE – RESCESSED.
- FLUORESCENT LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
- INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +18" TO CENTER LINE.
- SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1", #22-4"X2"
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- a — SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +18" TO CENTER LINE.
- JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
- PANELBOARD – SEE SCHEDULE.
- TERMINAL CABINET – SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#12 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#12 WIRE CIRCUIT, FOR MORE THAN 2#12 WIRES AS FOLLOWS, 3#12, 4#12 ETC. FOR OTHER SIZES AS FOLLOWS, 3#10, 4#6 ETC.
- Ⓐ — FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
- N.I.E.S. — ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT — ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- [W.E.F.] — WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- F — FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- F — FIRE ALARM HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90"
- S — SPEAKER– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
- INTERCOM TELEPHONE– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"



Size of conductors shall comply W/CEC
Bond separate conductors from ground rod to electrical panel & metal building frame (CEC).
In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available (CEC).
Electrical bond modules together W/#8 CU @ modline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods (CEC) as required. Grounding detail per DSA I-R M-5
I.O.R. TO WITNESS GROUNDING TEST.

A / E1 **BUILDING GROUND DETAIL**
N.T.S.

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 760 &CA. FIRE CODE ART. 10.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STAT ARCHITRCT.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC 250-94 & 95.
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA ADMINISTRATIVE CODE TITLE 24 2-5314 (B).
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. ENERGY SAVING BALLAST. (4)35 WATT TUBES, WT. 27 LBS.	156 W	CRESCENT 24TF44ODLA
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W TT 2700 K	KENALL 3714 OR LITHONIA 202 2/7PL LP
	INCANDESCENT WALL MOUNTED	150W	TIMELY 813CH

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES.

FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

VOLTS: 120/240 THREE PHASE							PANEL: B BURBANK					FEED: EXTERIOR LB	
MAIN: 200 AMP MAIN BKR.							LOCATION: INTERIOR					MOUNTING: FLUSH	
LOAD	WATTS A	WATTS B	WATTS C	BRK. AMP	BRK. P	CIR	CIR	BRK. P	BRK. AMP	WATTS A	WATTS B	WATTS C	LOAD
LIGHTS, FLUORESCENT	780			15	1	1	2	3	60	4400			A/C HVAC UNIT 5
LIGHTS, FLUORESCENT			780	15	1	3	4				4400		" "
LIGHTS, FLUORESCENT	780			15	1	5	6					4400	" "
LIGHTS, FLUORESCENT	780			15	1	7	8	1	15			540	DUPLEX RECEPT.
DUPLEX RECEPT.		900		15	1	9	10	1	15	540			DUPLEX RECEPT.
DUPLEX RECEPT.			900	15	1	11	12	1	15		540		DUPLEX RECEPT.
DUPLEX RECEPT.	900			15	1	13	14	1	15			540	DUPLEX RECEPT.
DUPLEX RECEPT.		900		15	1	15	16	1	15	540			DUPLEX RECEPT.
DUPLEX RECEPT.	900			15	1	17	18	1	15		540		DUPLEX RECEPT.
DUPLEX RECEPT.		900		15	1	19	20	1	15			540	DUPLEX RECEPT.
DUPLEX RECEPT.	900			15	1	21	22	1	15	540			DUPLEX RECEPT.
DUPLEX RECEPT.		900		15	1	23	24						SPACE
SPARE						25	26						
						27	28						
						29	30						
						31	32						
						33	34						
						35	36						
PHASE WATTAGE	5040	3600	1680							6020	5480	6020	PHASE WATTAGE
WATTS "A"LEG:11060	WATTS "B" LEG: 9080						TOTAL WATTS A+B+C= 27840					WATTS "C" LEG: 7700	
TOTAL WATTS: 27840			180 AMPS				120/240V		THREE PHASE			200AMP BUS.	
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD. SEE SITE ELEC. PLAN.													

ELECTRICAL PANEL -A

NOTE
STUB OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES. LOCATIONS SHOWN ARE DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS.

BASED ON PC# 02-101836

36X40 PC
RELOCATABLE
CLASSROOM

American Modular Systems

CUSTOMER:
MOBILE MODULAR MANAGEMENT #187

LIGHT FIXTURE & ELECTRICAL PLAN

DATE:	07-29-02
SCALE:	NONE
DRAWN BY:	M.H.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

SHEET No.
E1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

American Modular Systems

36 X 40 RELOCATABLE CLASSROOMS
MOBILE MODULAR MANAGEMENT CORP.®

TEST AND INSPECTION LIST

TESTING LABORATORY: ____________ DATE: ______
NAME: ____________
DISTRICT/OWNER: ____________
DIVISION–FILE NO. ______ APPLICATION NO. ______
ARCHITECT: ____________
STRUCTURAL ENGINEER: ____________

STATE OF CALFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT

STRUCTURAL TESTS AND INSPECTIONS

ORS 103–1 (R 11/85)

he following tests and inspections, as checked, will be required ass detailed in

COMPACTED FILL	
	Fill material, acceptance tests
	Compaction control, continuous
	Compaction tests only as ordered
	Bearing capacity of compacted fill
REINFORCING STEEL	
	Sample and test bar steel
	Sample and test mesh
	Inspect placing at job
STRUCTURAL STEEL	
X	Sample and test as detailed below
	Shop fabrication inspection
	Field erection inspection
X	Inspection of welds – Shop
	Inspection of welds – Field
	Inspection of riveting or bolting – Shop
	Inspection of riveting or bolting – Field
	Sample and test high strength bolts and washers
BRICK AND BLOCK	
	Sample and test
	Test only
	Inspection of placing
	Core drill samples
GLUED LAMINATED STRUCTURAL LUMBER	
	Fabrication Inspection
	Sample and test steel accessories
	Inspect fabrication of steel accessories

CON–CRETE	GUNITE	GROUT	MORTAR	
				Test of aggregates for mix design only
				Suitability tests of aggregates as detailed below
				Mix designs
				Continuous batch plant inspection
				Inspect placing
				Sample
X				Compressive tests
				Pick up samples at job
				Samples delivered to laboratory
				Deliver sample forms to jobsite
				Sample and test cement

SUITABILITY TESTS	CONCRETE MATERIALS	GUNITE	MORTAR	GROUT
Sodium sulphate				
Structural strength				
Los Angeles rattler				
Clay (Hydrometer method)				
Reactivity tests				
Volume change				

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH, PSI, MINIMUM					
		28 DAYS					
CONCRETE	1 1/2"	3000					

List of structural steel members to be tested:

C7X9.8
C12X20.7
6 3/4"X14 GA. JOISTS

TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212.A.1

Other Tests and Inspections, together with special instructions:

GROUNDING TEST

Copies of Reports to:
DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: ____________
AUTHORIZED REPRESENTATIVE

INDEX

BUILDING DATA
CLASSROOMS

OCCUPANCY	E–1
TYPE OF CONSTRUCTION	V – NON–RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS./SQ. FT.
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	1440 SQ FT

FIRE MARSHAL– CALIFORNIA BUILDING CODE (CBC)
TITLE 24, PART 2, CCR (1994 UBC W/ CAL. AMENDS)
TITLE 24, PART 3, CCR (1993 NEC W/ CAL. AMENDS)
TITLE 24, PART 4, CCR (1994 UMC W/ CAL. AMENDS)
TITLE 24, PART 5, CCR (1994 UPC W/ CAL. AMENDS)
TITLE 24, PART 9, CCR (1994 UFC W/ CAL. AMENDS)
TITLE 24, PART 12, CCR (1994 STD. W/ CAL. AMENDS)
TITLE 19

STRUCTURAL – 1995 CALIFORNIA BUILDING CODE (CBC)
TITLES 24 PARTS 1 AND 2

MODULES	MOMENT–RESISTANT
SYSTEM	(3) 12' X 40' MODULES
FOUNDATION	WOOD
SEISMIC	ZONE 4

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. PC 308
AC.____ FLS.____ SS____
DATE________

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02 100277
AC FLS SS
3/24/98

Fire Shawn Wilhm
SSS Young F. McCarty

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWSON
No. 2310
Exp 3-31-01
3/24/98
STRUCTURAL
STATE OF CALIFORNIA

JOB NO.	
DATE: MARCH 19, 1998	
SHEET NUMBER	TS–1
BINDING ORDER	1

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A — GENERAL REQUIREMENTS

1. GENERAL

A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.

B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

2. SCOPE OF WORK

A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE,MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.

B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING,MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
13. THE MANUFACTURER OF BUILDING IS TO PLACE A PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME AND VISIBLE FROM THE EXTERIOR OF THE END OF THE MODULE. SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE. FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.

NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 23-6, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

3. WORK NOT INCLUDED

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.

B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM,INTERCOM SYSTEM,TV,TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.

4. WHEELS AND HITCH

SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. ACCESSIBILITY OF SITE

THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS,FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

TRIM/ FINISH NAILING				
DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 1/4"	GALV
CASING, SILL & INT. CORNER TRIM	X	16g	1 1/4"	N
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

SECTION 6 — WORKMANSHIP

A. GENERAL – ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS,TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.

B. WELDING – ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE OFFICE OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24,PART 2,CCR, SECTION 2212.A.5 WELDING ELECTRODE SHALL BE E70XX.

1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36.
2. PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING–TYP. U.N.O.
4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.

C. ERECTION – STRUCTURAL STEEL ERECTED TRUE,STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.

D. NAILS,BOLTS, SCREWS AND NUTS ETC.– FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.

1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER EXCEPT AT SIMPSON MTT28B.

E. HANDRAILS – FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.

F. SHOP PAINT

1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

G. TESTS

1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2,CCR SECTION 2212.A.1.

SECTION 6A — CARPENTRY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL CARPENTRY

2. MATERIALS

LUMBER OF GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER,3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B.. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD,OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH UBC STANDARD 23-2. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.

A. JOISTS, RAFTERS, PLATES, – DOUGLAS FIR S4S #2 U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.

B. HEADERS,POSTS AND TIMBERS–DOUGLAS FIR S4S #1

C. BLOCKING – DOUG FIR #3,OR HEM FIR #3,OR STD. & BET.

D. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE,MASONRY OR EARTH. DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7. EACH PIECE SHALL BEAR AWPB STAMP. LP-22 GROUND CONTACT,D.F.#2 ABOVE GROUND.

E. PLYWOOD ROOF DECKING – APA C-D GRADE,GROUP 1 OR 2, EXPOSURE 1 WITH EXTERIOR GLUE.(SEE 6A.2)

F. PLYWOOD FLOOR DECKING – APA STURD-I-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8"NOM. OR EQUAL. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE.

G. EXTERIOR SIDING/SHEATHING – APA TYPE 303,EXTERIOR.

H. MOISTURE BARRIER – KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 17-1 FOR KRAFT, 32-1 FOR FELT.

J. STUDS – S4S DOUG FIR #2. #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 23% AT TIME OF INSTALLATION.

K. FASTENERS – ALL NAILS SHALL BE CORROSION RESISTANT PER UBC STANDARD 25-17. ELECTROGALVANIZED COMMON NAILS U.N.O.

L. BUILDING TRIM – 2X RESAWN SELECT D.F.,H.F.,OR CEDAR

M. DOOR/WINDOW TRIM – 1X4 REWAWN D.F.,H.F.,OR CEDAR

N. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.

O. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.

P. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.

Q. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".

3. WORKMANSHIP

A. FRAMING – SECURELY NAILED,BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.

B. NAILING – IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS,TABLE 23-I-Q

C. EXTERIOR WALLS – FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS,SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.

D. MACHINE APPLIED NAILING: USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE. MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

E. MOISTURE BARRIER – APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.

F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B — SHEET METAL

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.

2. MATERIALS

A. SHEET METAL – STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.

B. SOLDER – OF STAND,GRADE "A" OF EQUAL PARTSARD BRAND LEAD AND TIN ASTM B32.

C. FLUX – ZINC SATURATED MURIATIC ACID.

D. GUTTERS: 26 GA. G-90 GALV. STEEL.
DOWNSPOUTS: 2"X3" CONVOLUTED 30 GA. G-90 GALV. STEEL.
GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL.
GUTTER CLIPS: 18 GA. G-90 GALV. STEEL

3. WORKMANSHIP

SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C — METAL ROOFING

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.

2. MATERIALS

A. ROOFING – 1-1/8 INCH STANDING SEAM 26-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).

B. BASE SHEET – 30 POUND ASPHALT COATED.

C. EDGE FLASHING – 26 GAUGE GALVANIZED STEEL.

3. WORKMANSHIP

BASE SHEET: APPLY TO ROOF DECK SHINGLE FASHION WITH 2-INCH OVERLAP SEAMS. STAPLE TO DECK AT 12" ON CENTER AROUND PERIMETER AND AT 12" ON CENTER THROUGH OVERLAP SEAMS. INSTALL METAL ROOF ACCORDING TO MANUFACTURERS REQUIREMENTS. SEE SHEET 2 FOR MANUFACTURERS NOTES.

SECTION 7J — SEALANT

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIAL AND SERVICES TO SEAL BUILDINGS.

2. MATERIALS

VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.

3. WORKMANSHIP

SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION CONCRETE — CONCRETE (IF USED)

1. CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFED HEREIN.
2. REINFORCEING BARS:ASTM A615 OR ASTM A706 DEFORMED GRADE 40 BILLET STEEL.
3. EXPANSION JOINT FILLER: ASTM D994
4. FORM MATERIALS: SIDE FORMS DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER: OR METAL FORMS.
5. PLACING REINFORCEMENT, PLACING CONCRETE SUFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24.

SECTION 8B — HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.

2. MATERIALS

A. DOORS – TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY,18 GA. 1 3/4" THICK PER CS242 MIN.REINFORCE FOR HARDWARE–BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.

B. FRAMES – 16 GA COLD ROLLED,2" FACES, CS242 MIN.3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX,PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.

3. WORKMANSHIP

ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARDP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP,WAVE,BUCKLE OR OTHER DEFECTS AFTER FABRICATION,DOORS AND FRAMES CLEANED THOUROUGHLY,ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 8D — FINISH HARDWARE

1. SCOPE OF WORK

CONTRACTOR SHALL SUPPLY AND INSTALL FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.

2. SCHEDULE FOR EXTERIOR DOORS

SEE NOTE ON FLOOR PLAN.

3. SPECIAL REQUIREMENTS

A. EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.

B. CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS. PRESSURE.

SECTION 9E — PAINTING

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.

2. MATERIALS

A. FOR EXTERIOR WOOD:

REF.BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	42-9M	1240	Y24W20	289-N
FINISH	QD-60-XX	1240-XXX	B54WZ102	GE2-NXX

B. FOR INTERIOR TRIM

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
FINISH	W450-XX	1650-XXX	A26W11	40XX

C. FOR METAL

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	43-4	1710	B50NZ6	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX

3. WORKMANSHIP

ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.

A. EXTERIOR – WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX – APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.

B. INTERIOR TRIM – TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.

C. INTERIOR HARDWOOD CABINETS – TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.

D. METAL – ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.

E. RAMP – ONE COAT OF FERROX NON-SKID SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A DATED JULY 1989. OR EQIAL.

F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F — SITE ASSEMBLY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

2. ASSEMBLY OF ELEMENTS

A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT,(APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.

B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.

C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

WALL FINISH MATERIAL
FLAME SPREAD MAX = 200
SMOKE DENSITY MAX = 450
BUILDING INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

SECTION 15A — AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES)

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.

2. EQUIPMENT

SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.

3. WORKMANSHIP

UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A — ELECTRICAL

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS,LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.

2. MATERIALS

ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION

A. ELECTRIC METALLIC TUBING – COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX– GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.

B. PANELBOARDS – FLUSH MOUNTED.

C. CONDUCTORS – COPPER,INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES.MINIMUM SIZE– #14.

D. RECEPTACLES – AS NOTED. +15" A.F.F. MIN.

E. CLOCK RECEPTACLE – AS NOTED.

F. SWITCHES – AS NOTED. +48" A.F.F. MAX.

G. LIGHTING FIXTURES – AS NOTED ON THE DRAWINGS.

3. WORKMANSHIP

MATERIALS AND EQUIPMENT INSTALLED IN A SECURE,NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION. BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR(N.I.C.).(FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

1. IN-PLANT INSPECTION.
2. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT,IF NECESSARY. THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF ANY MODULE. ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED,UNLESS OTHERWISE SPECIFIED,SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

THREE (3) APPROXIMATELY 12' X 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"X1 -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

1. MANUFACTURER'S BUILDING NUMBER.
2. DESIGN WIND LOAD
3. DESIGN ROOF LIVE LOAD
4. D.S.A. APPLICATION NUMBER.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH 12' X 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

DIMENSIONS

THE BUILDINGS SHALL OCCUPY AN AREA OF 1440 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. THE BUILDINGS SHALL BE 36' X 40'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINER DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.

FASCIA AND REQUIRED OVERHANGS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 5' MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2' OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE SIDES OF EACH OVERHANG AND EACH ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT,FLOOR TO CEILING SHALL BE 8'-6" U.O.N. THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.

ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DEPENDING ON THE AGREEMENT WITH DISTRICT.

IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT SPECIFICATIONS SHALL PREVAIL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL.PC 308
AC FLS SS
DATE 1-10-97

36 X 40 PC
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

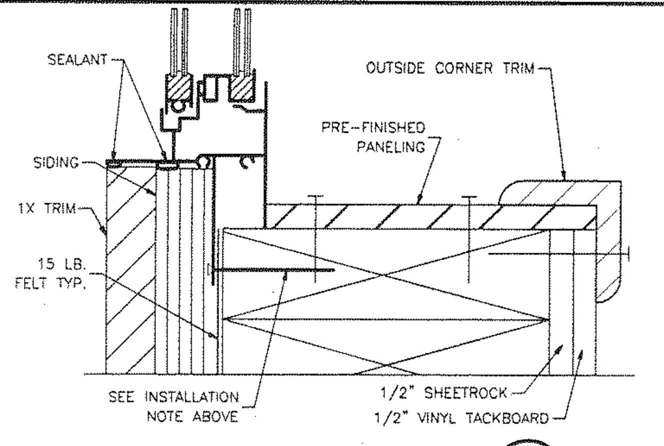
GENERAL NOTES

DATE:	1-1-97
SCALE:	NONE
DRAWN BY:	R.S.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

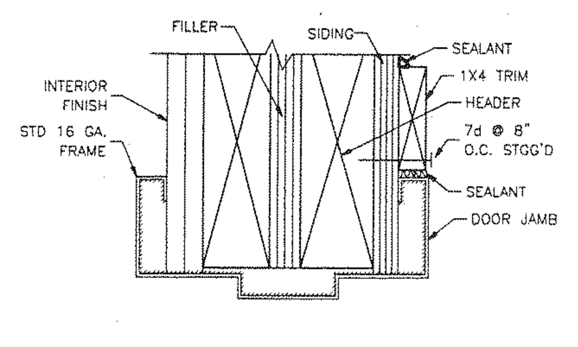
REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

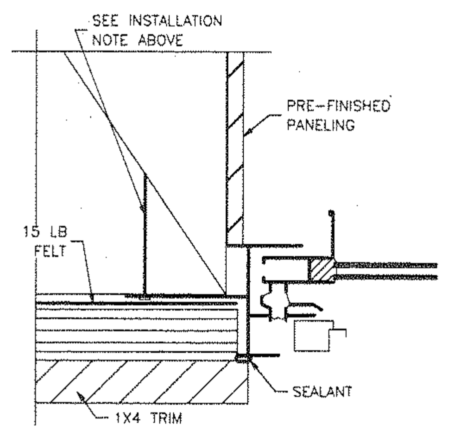
SHEET No.
N-1



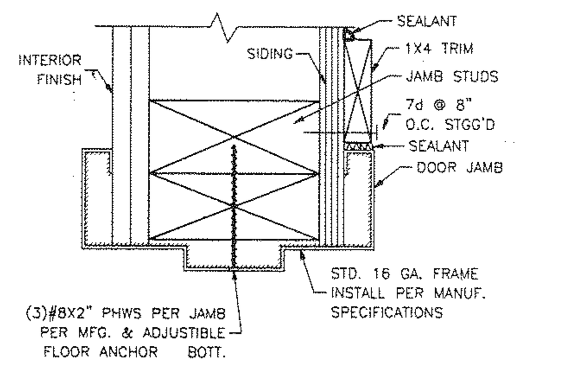
WINDOW SILL DETAIL (1/1)
NO SCALE



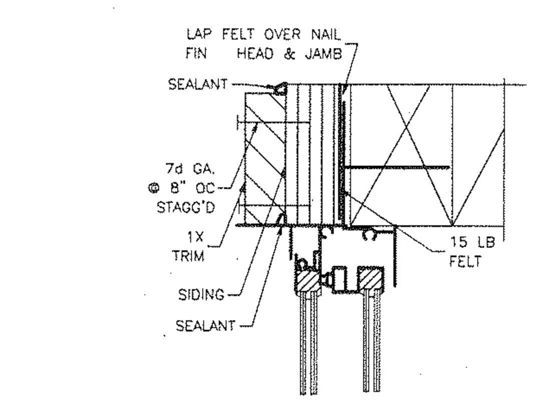
TYPICAL EXTERIOR DOOR HEAD (6/1)
NO SCALE
NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.



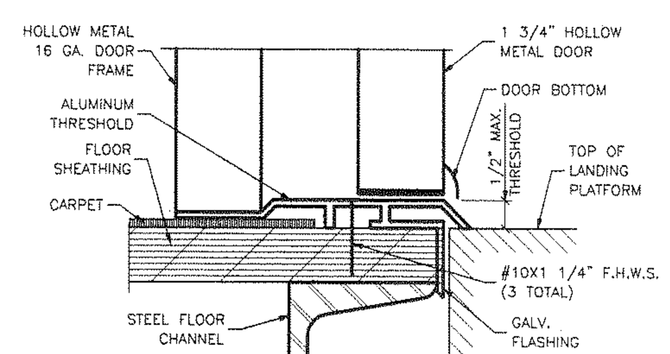
WINDOW JAMB (2/1)
NO SCALE



TYPICAL EXTERIOR DOOR JAMB (5/1)
NO SCALE
NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.



TYPICAL WINDOW HEAD (3/1)
NO SCALE



TYPICAL EXTERIOR DOOR SILL (4/1)
NO SCALE

CAPACITY POSTING
C.B.C. SECTION 1002.3
TITLE 19 C.C.R., SECTION 3.30
THIS ROOM SHALL BE POSTED WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM. THE SIGN SHALL BE WORDED AS FOLLOWS:

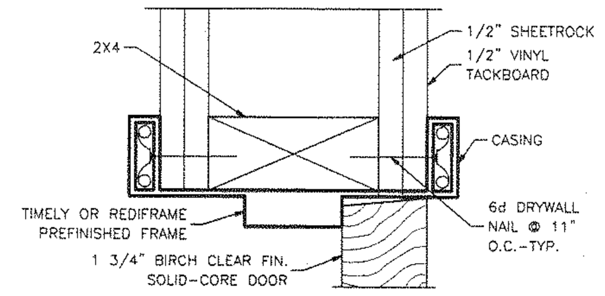
1'-6"
8"
+5'-0"

THE NUMBER OF PEOPLE PERMITTED IN THIS ROOM SHALL NOT EXCEED 70 BY ORDER OF THE STATE FIRE MARSHAL.

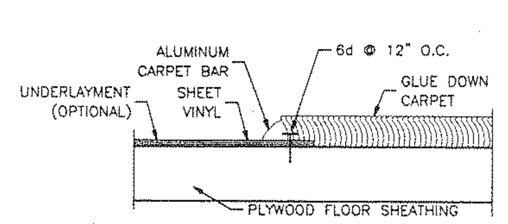
TYPESTYLE: 1" HIGH BLOCK
1/16" THICK ENGRAVED PLASTIC
MOUNTING: (4)#8x1" SCREWS.

OCCUPANT LOAD SIGN (–/–)

THIS SIGN WILL ONLY BE USED IF REQUIRED FOR SPECIFIC APPROVAL.

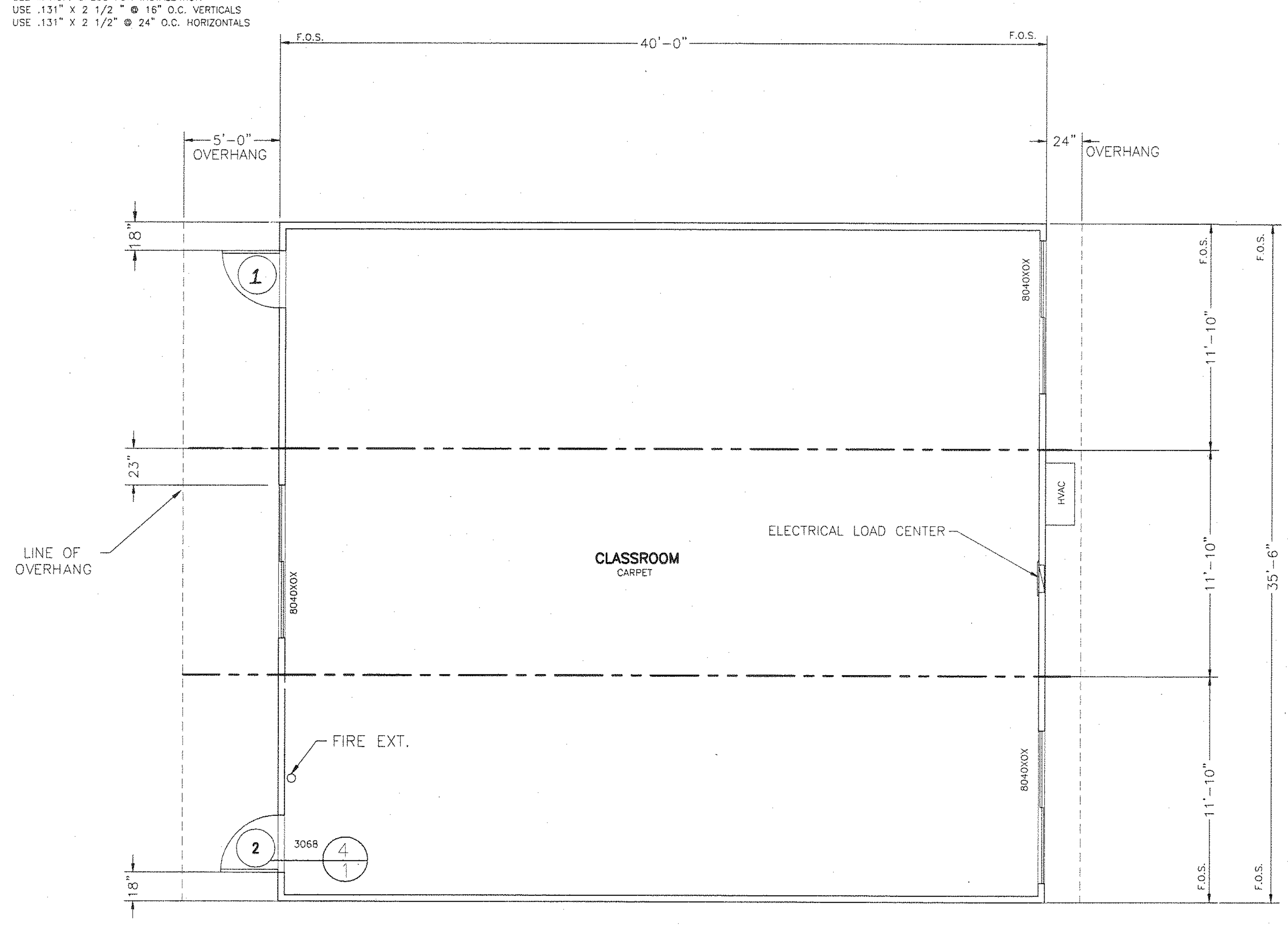


TYPICAL INTERIOR DOOR HEAD/JAMB (7/1)
NO SCALE



FLOORING DETAIL (8/1)
NO SCALE

TYPICAL EXTERIOR WINDOW INSTALLATION NOTE:
SEE MANUF. SPECS FOR INSTALLATION
USE .131" X 2 1/2" @ 16" O.C. VERTICALS
USE .131" X 2 1/2" @ 24" O.C. HORIZONTALS



FLOOR PLAN 36'x40'
SCALE: 1/4"=1'-0"

NOTES
INTERIOR

1. Floor: Carpets – Units shall be carpeted as indicated on floor plan with direct glue down type per State of California Specification 7220-XXX-01, Group 1, Type A, Class 26. Color will be selected by Architect after award of bid. The carpet density shall be 4600 minimum. Pile yarn shall be branded nylon. No cross seams shall be allowed.

2. Base: Resilient Cove Base – Best quality, moulded rubber, 1/8" thick, 4" high, moulded top set
Cove: Provide preformed base for square external corners and preformed end stops where base does not abut. Solid color as manufactured by "Johnsonite Co." , Flexco, or equal. Apply cove to complete perimeter of classroom.

3. Interior walls shall be vinyl covered tackboard(u.o.n.) applied in one continuous length from floor to ceiling. The tackboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The board shall be asphalt free, shall have an ironed-on coating and shall have a minimum density of 18 lbs. per ft. The vinyl coating shall be made of virgin vinyl calendered base color, weighing a minimum of 8 oz. per square yard. The coating backing shall be sheeting or non-woven fabric. The vinyl coating shall be mechanically laminated, with the long edges wrapped, to the tackboard. Tackboard shall be applied over 1/2" sheetrock ~~or plywood sheathing.~~ The vinyl wall covered panel shall have a Class III flame spread rating. The panel shall be approved for classroom use by The California State Fire Marshal. Reference brand: Vinyl covered tackboard as manufactured by
Chatfield-Clarke or comparable. Care shall be taken in mounting the tackboard so that the texture of all panels will have the same orientation and color match.

4. Ceiling: Suspend T-Bar System, see sheet 3 for details etc. Materials and installation per CCR 2501.A.5 and IR #47-4 inclusive as applicable to classrooms.

DOORS & WINDOWS

Exterior Doors: Metal Doors – 3'0X6'8 hollow metal door construction of 1 sheet of 18 ga. steel assembled per CS242 min and reinforced with 20 ga. min. continuous vertical steel stiffeners spaced @ 6" O.C. Fill spaces between stiffeners with mineral wool or other insulation. (Reinforce both faces for closure) provide flush top on doors. Hardware reinforcement shall be 10 ga. min for hinges, door frame shall be 16 ga. pressed steel frame ASTM A366 & C5242. Hardware reinforcement shall be 10 ga. plate. Frames shall be designed with integral stop and trim. Provide (3) anchors per jamb plus adjustable floor anchor.

Exterior Windows: Provide anodized aluminum frame 5/8" minimum dual pane window units, as shown on floor plans. The 5/8" dimension is the minimum thickness for the dual glazed window panel consisting of two lights of glass and the air space. Glazing material shall be:

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 45% maximum.

Interior Lite – 1/8" minimum clear tempered.

Minimum air space shalle be 1/4".

Space – Bent or sealed corner aluminum with desiccant fill

Sealer – Butyl primary seal and polysulfide of silicone secondary seal.

Certification – All glazing to be certified in accordance with ASTM E-773, E-774.

Header height shall be the same as the door. All operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the AAMA GS101-88 voluntary spec. For aluminum prime windows and sliding glass (ANS1), commercial grade.

HARDWARE

1. Exterior Door
A) Hinges: Hager 4-1/2X4-1/2 butts, BB1279 US26D,1-1/2 pair each door with set screw in barrel and ball bearing design, or approved equal.
B) Lockset: Doors 1&2 Classroom lever handle lockset, panic bar type, Von Duprin 22L (lever on ext.) or Corbin or Yale or equivalent. ALUM. finish.

C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal.
D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra WS007, at door jambs and head or equal.
E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.
F) Doorstop: Quality #44, or equal.

FIRE EXTINGUISHER

1. Each portable classroom shall be equipped with pressure type fire extinguishers with 2A10BC UL rating. To be mounted on the interior wall of the building near the doorway(s) at a height of 4 feet to mounting bracket. Fire extinguishers shall be totally charged and have a dial indicating the state of charge.

CHALKBOARD SPECIFICATIONS

Chalkboards shall have green facing sheet suitable to accept white or yellow chalk and felt erasers.

Markerboards shall be 5 mil thick melamine facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated, using hot melt adhesive, to a medium density particleboard substrate with a minimum density of 45#/c. ft. The panel shall have a foil backing. The panels shall have extruded aluminum molding and chalkrail with a minimum of 2-15/16" projection from the face of the panel. A full length map rail shall be provided with cork insert and end stops. The map rail and chalkrail are to incorporate a channel to wrap around the panel. Three (3) map hooks, with clips, perpanel shall be provided. One flag holder, 1/2" size, shall be provided for each classroom. Each classroom shall be 2 ea. 4x8 panels installed side by side to make a 4x16 panel, centered on one of the long walls. Referenced brand: Chatfield-Clarke Co. series 500. Attach directly to studs and blocking W/#8x3" oval head wood screw @ 32" o.c. horizontally and @ 24" o.c. vertically.

36 X 40 PC
RELOCATABLE
CLASSROOMS

American Modular Systems
333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX. (209) 825-7018

CUSTOMER:

FLOOR PLAN & NOTES

DATE:	3-19-98
SCALE:	NONE
DRAWN BY:	R.S.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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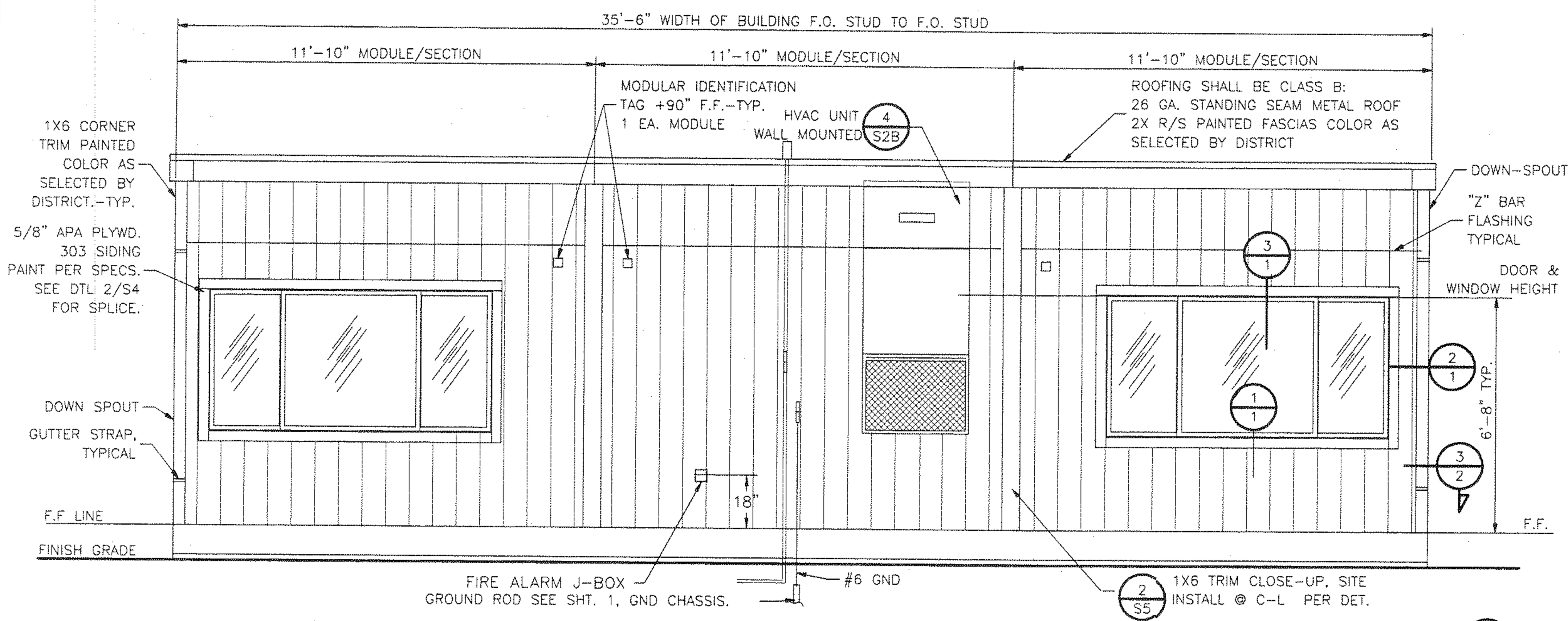
PROJECT No.

SHEET No.
1

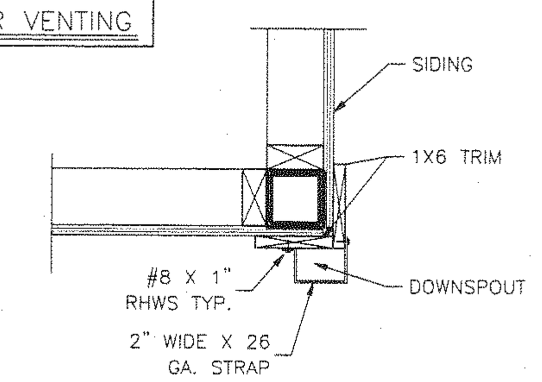


REAR END ELEVATION (A)

SCALE: 3/8"=1'-0"

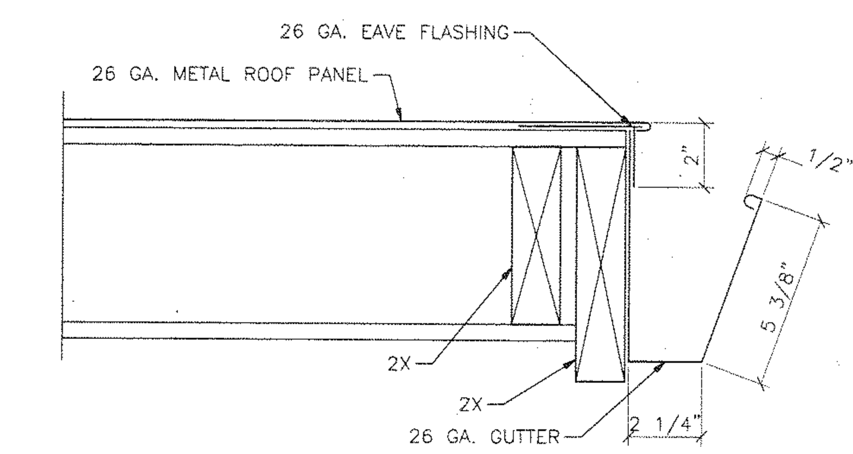
1/4" X 18GA GALV. EXPANDED METAL W/(6) #8 SCREWS EACH VENT. ALSO SEE SHT. S1 APPLY SCREEN ON OUTSIDE OF PLYWD. REQUIRED VENT AREA = 9.6 SQ. FTG.

UNDER FLOOR VENTING



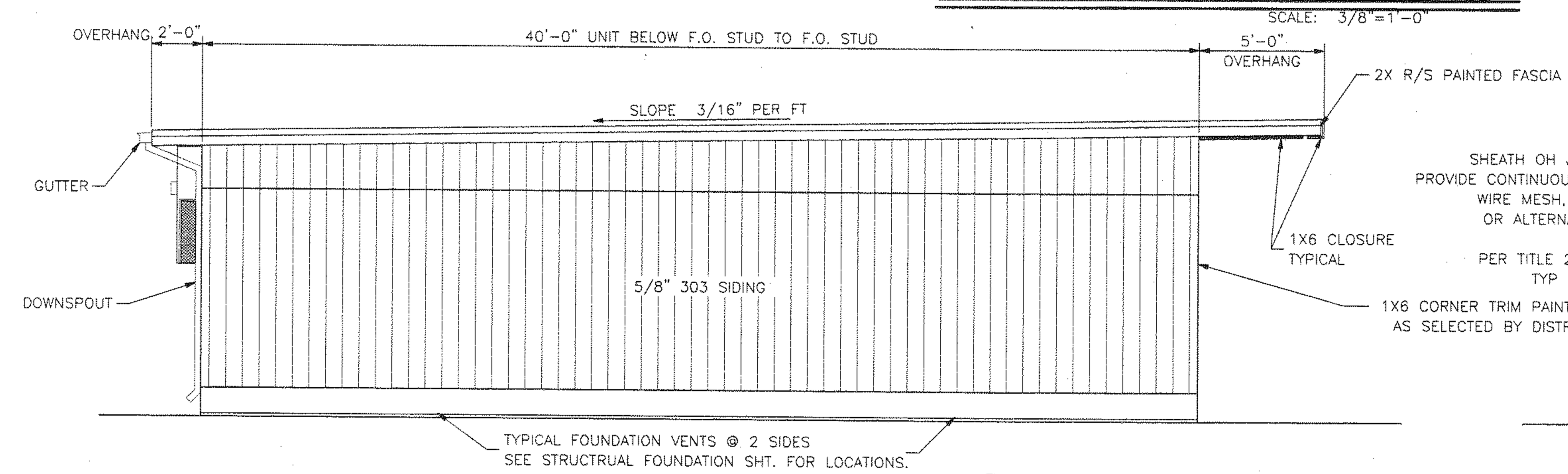
DOWNSPOUT DETAIL (3/2)

1 1/2"=1'-0"



GUTTER: 26 GA., G-90 GALV. STEEL, FASTENED W/ 18 GA. CLIPS 48" O.C. 0MAX.
DOWNSPOUT: 2"X3" G-90 30 GA. CONVOLUTED GALV. STEEL.
DOWNSPOUT STRAPS: 26 GA. STEEL X 2" WIDE ATTACHED TO BLDG. MAX. 6'-0" O.C.

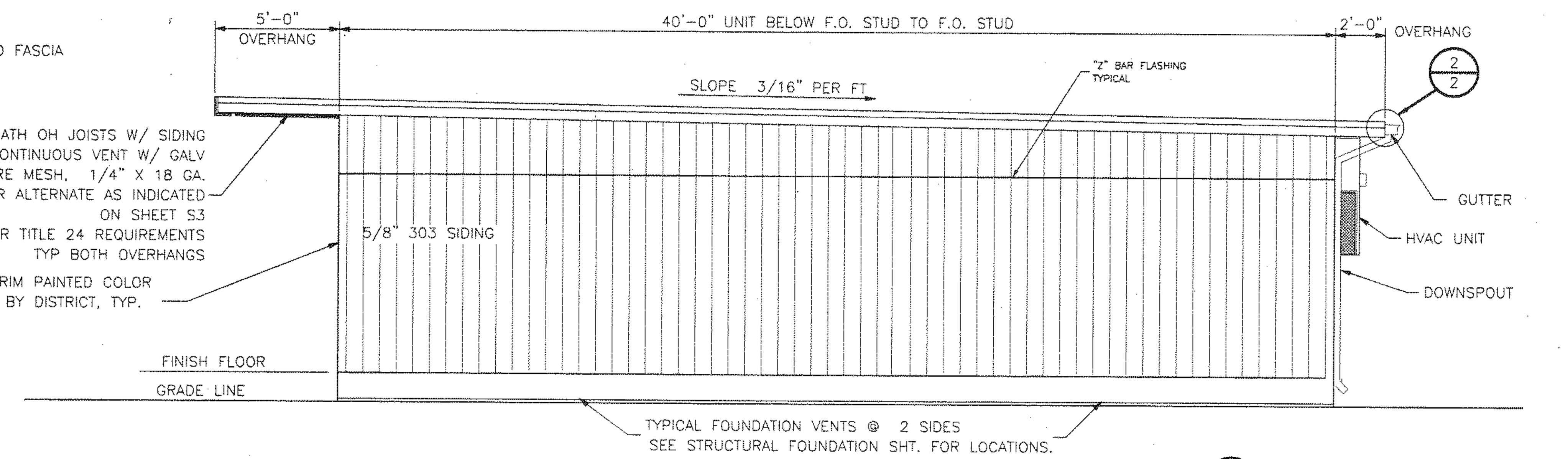
GUTTER AT OVERHANG DETAIL (2/2)



LEFT SIDE ELEVATION (B)

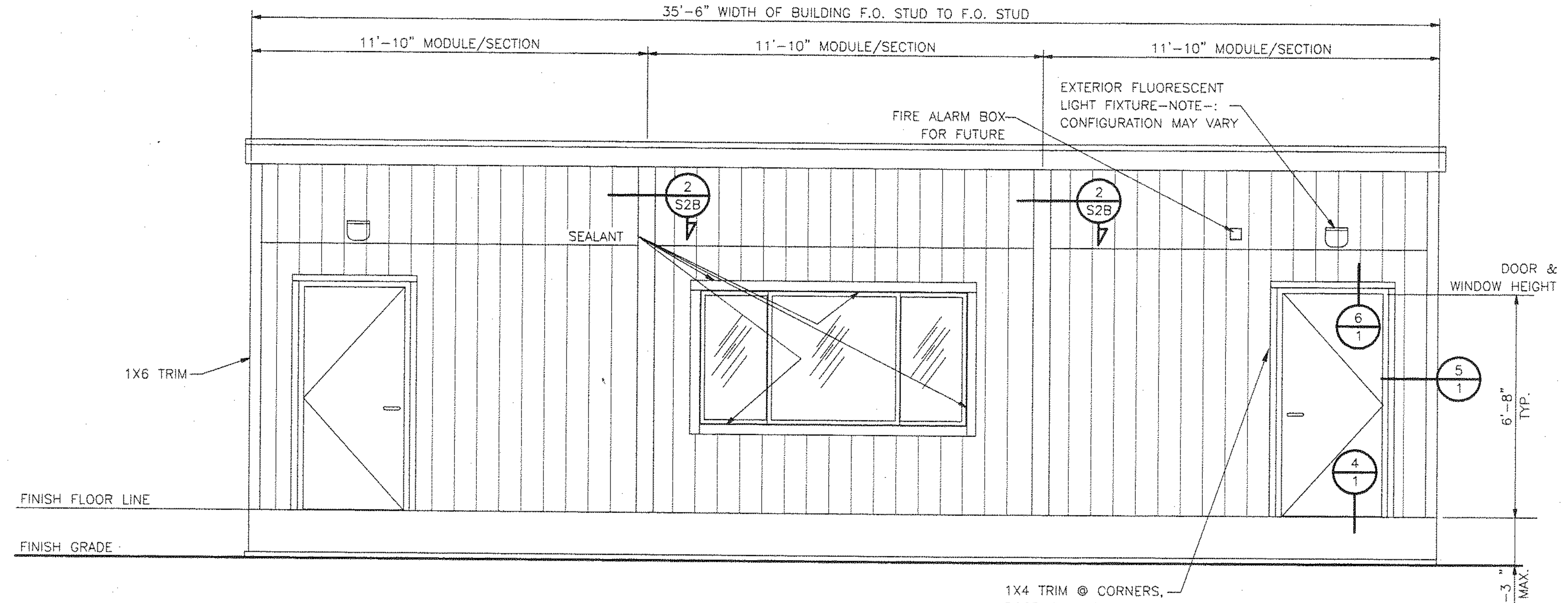
SCALE: 1/4"=1'-0"

SHEATH OH JOISTS W/ SIDING PROVIDE CONTINUOUS VENT W/ GALV WIRE MESH, 1/4" X 18 GA. OR ALTERNATE AS INDICATED ON SHEET S3 PER TITLE 24 REQUIREMENTS TYP BOTH OVERHANGS



RIGHT SIDE ELEVATION (C)

SCALE: 1/4"=1'-0"



FRONT END/ENTRY ELEVATION (D)

SCALE: 3/8"=1'-0"

PANEL INSTALLATION

START AT THE STARTER FLASHING END OF THE BUILDING. APPLY VULKEM SEALANT ALONG THE ENTIRE STANDING SEAM LIP. AT THE EAVE END, APPLY EALANT APPROXIMATELY 3" ALONG THE SIDE OF THE STANDING SEAM AND ALO NG HE END FLASHING LIP. THE SEALANT SHOULD BE APPLIED AS THE ROOF PAN ELS ARE POSITIONED TO AVOID CURING.

HOOK THE PANEL OVER THE STARTER FLASHING AND LAY IT INTO POSITION, LEAVING 2" OVERHANG AT THE EAVE FOR WRAPPING AROUND THE END FLASHING LIP. INSTALL Z-CLIPS @ 1'-6" O.C. KEEPING THEM TIGHT AGAINST THE TANDING SEAM, SECURE WITH THREE 1/2" CROWN X 1 1/4 " LENGTH 16G GA. STAPLES PER CLIP. THE CLIPS NEED ONLY BE HAND CRIMPED AROUND SEAM AT THIS POINT. FORM THE PANEL OVER THE STARTER FLASHING LIP AND AT THE END FLASHING. MECHANICALLY CRIMP THE PANEL OVER THE FLASHING LIP AND ALONG THE ENTIRE STANDING SEAM.

NOTE: KEEP ALL FASTENERS ON THE CLIPS AND FLASHINGS COMPLETELY. DO NOT USE EXCESSIVE PRESSURE OR OVERPOWER THE STAPLES AS TO TEAR OR CAUSE DAMAGE TO THE CLIP.

CONTINUE THE PANELING PROCEDURE, APPLYING SEALANT TO THE FLASHING LIP. APPLY SEALANT AT THE STANDING SEAMS APPROXIMATELY 3" ALONG THE SIDE TOP LIP OF EACH FOLLOWING PANEL. HOOK THE NEXT PANEL OVER THE INNER LOCK AND LAY THE PANEL INTO POSITION. KEEP THE STANDING SEAMS BUTTED TIGHTLY TOGETHER TO MAINTAIN SQUARE, JUSTIFIED PANELS AND INIMIZE ANY POSSIBILITY OF GAPS OCCURRING AT THE EAVES OR STRETCHINSG OF THE ROOF COVER.

MECHANICALLY CRIMP EACH STANDING SEAM ENTIRELY. MECHANICALLY CRIMP PANELS OVER ALL FLASHING CLIPS. CUT THE FINAL PANEL TO THE DESIRED WIDTH, ALLOWING 2" FOR FLASHING OVERLAP AND WRAP-AROUND. USE SEALANT ALONG THE FLASHING LIP AND LAY THE PANEL INTO PLACE. FORM THE PANEL OVER THE FLASHING LIP AND MECHANICALLY CRIMP.

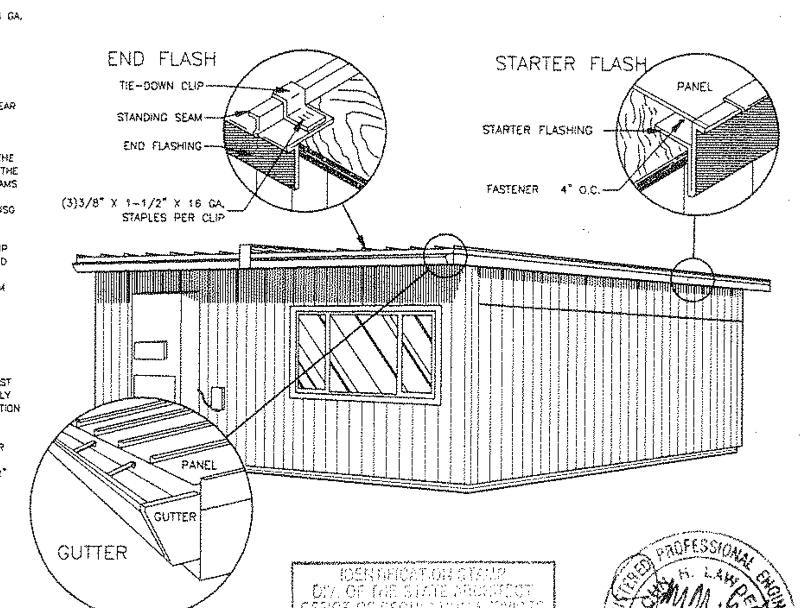
FLASHING (ROOF)

INSTALL THE STARTER FLASHING ON THE END OF THE BUILDING THAT IS OPPOSITE FROM THE DIRECTION OF PREVAILING WIND (OR LEADING EDGE). ECURE USING 1/2" CROWN X 1 1/2" LENGTH 16GA. STAPLES @ 8" O.AC. TO THE ROOF DECK. THE FLASHING SHOULD EXTEND APPROXIMATELY 3" PAST THE OUTSIDE WALL. WRAP THE 3" AROUND THE CORNER, FORMING IT TIGHTLY GAINST THE FASCIA. OVERLAP THE FLASHING SECTIONS 2". SOME MODIFICAYTION OF THE FLASHING LIP WILL BE REQUIRED TO ALLOW THE OVERLAP.

INSTALL THE END FLASHING ALONG THE OPPOSITE END OF THE BUILDING (OR LEADING EDGE) WRAPPING THE CORNERS AROUND THE EDGE APPROXIMATELY 1". SECURE THE "LEADING EDGE" FLASHING ONLY ADDITIONAL #8 X 1 1/2" SMS @ 2"O.C. THROUGH THE DESCENDER INTO SIDING. INSTALL THE END FLASHING ALONG THE SIDES OF THE BUILDING. KEEP THE ENDS OF THE FLASHING FLUSH WITH THE EDGES OF THE BUILDING.

80 MPH WIND RATING

REQUIRES A MINIMUM OF 26 GA. STEEL ROOF PANELS WITH 28 GAGE TIE-DOWN CLIPS AT 18" O.C.,SECURED TO THE ROOF DECK WITH THREE 1/2" CROWN BY 1 1/2" LENGTH 16 GA. STAPLES PER CLIP.



SPECIFICATIONS

MATERIAL
26, GAGE

FINISH
G90 GALVANIZED, OR SPECIAL.

FASTENERS
#8X1", #8X1-1/2" AND #8X2" ZINC PLATED SHEET METAL SCREWS, 3/8" CROWN X 1-1/2" LENGTH 16 GAGE STAPLES OR 6d 1-1/2" RING SHANK NAILS.

WEATHERPROOFING
VENTS, CURBS, RIDGE CAP, COMPLEX CAP, PAN SPLICE, PAN OVERLAP AND FLASHING ARE SEALED WITH #116 VULKEM POLYURETHANE SEALANT MEETING FEDERAL SPECIFICATIONS TT-S-00230C, TYPE II, CLASS A. ALL EXPOSED SCREWS WILL USE A WEATHERPROOF WASHER AND BE SEALED WITH APPROVED SEALANT.

36X40 PC
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CLASSROOM

American Modular Systems
333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX. (209) 825-7018

CUSTOMER:

EXTERIOR ELEVATIONS

DATE: 3-19-98
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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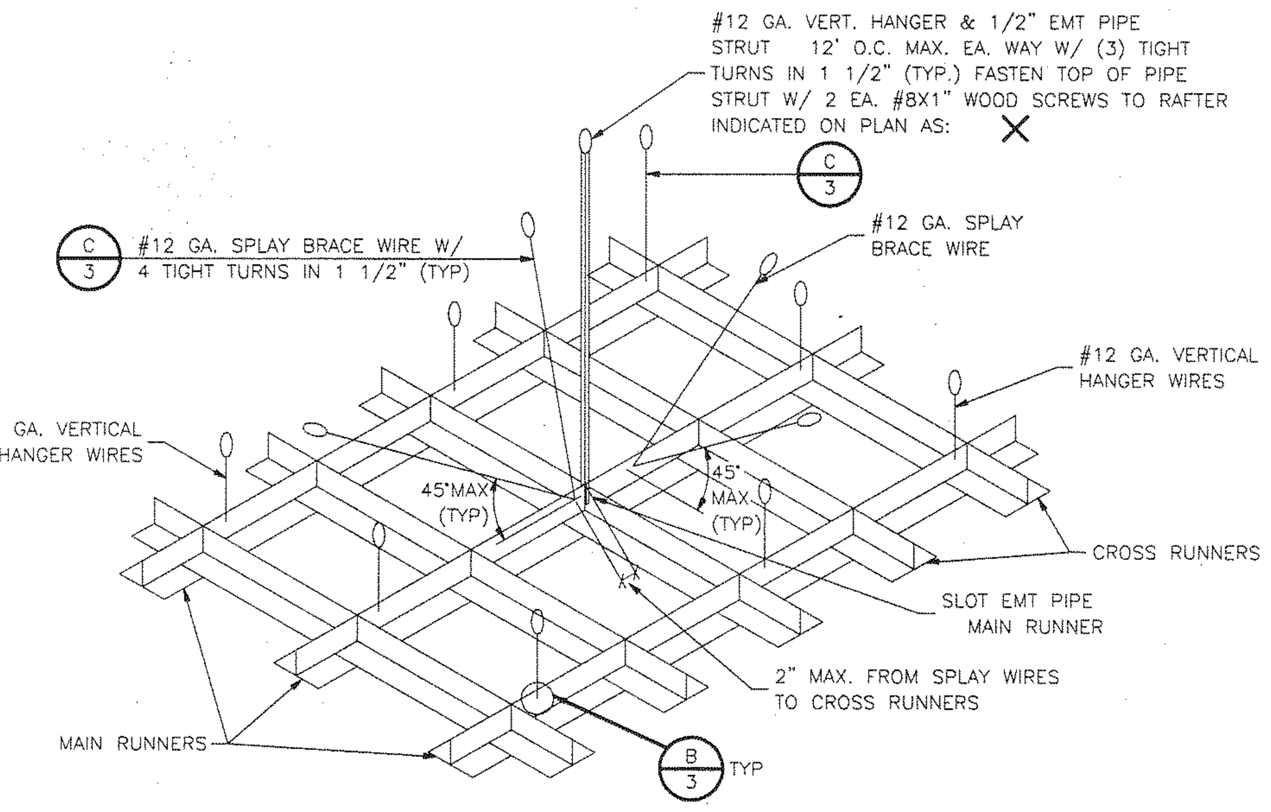
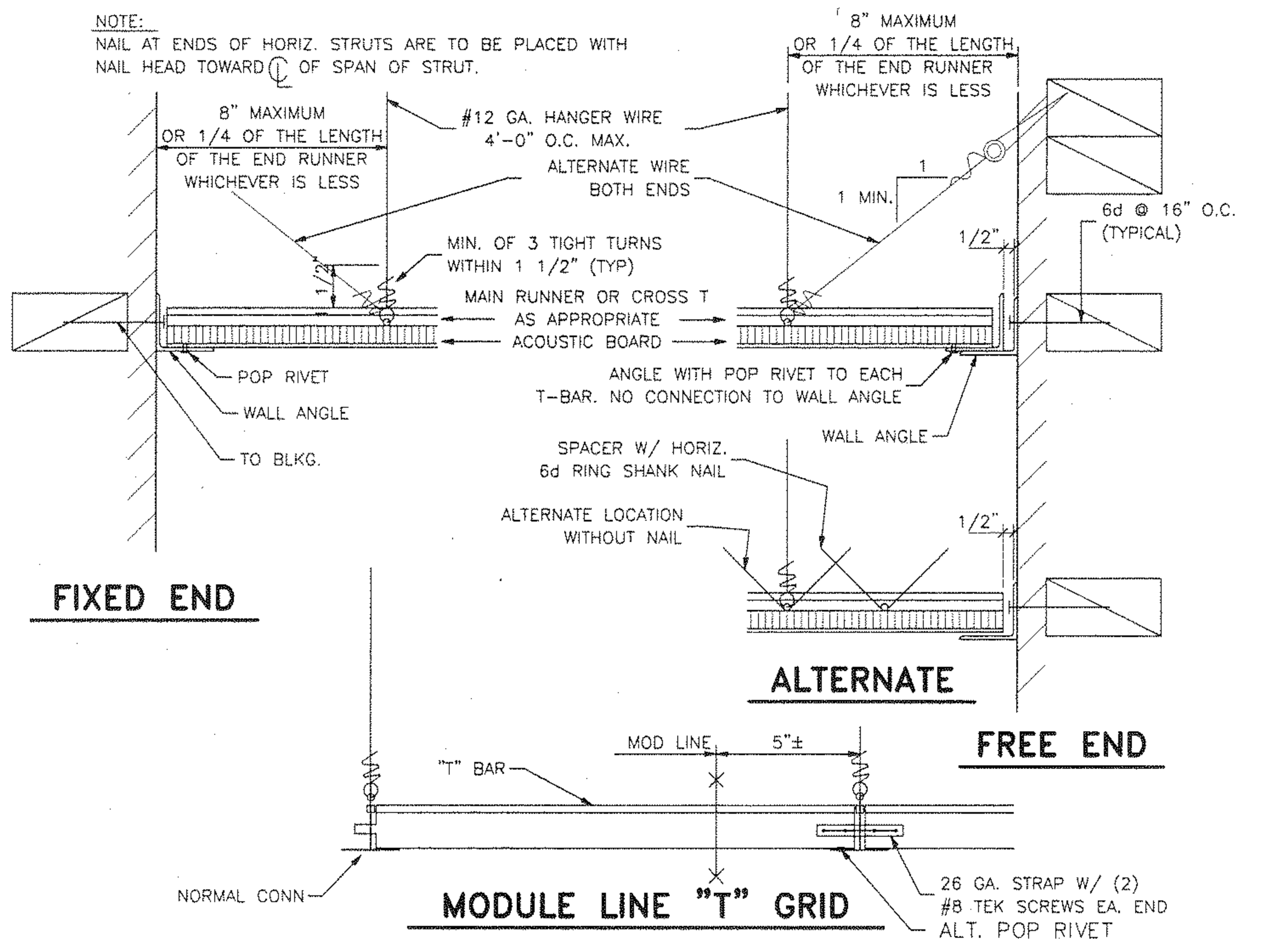
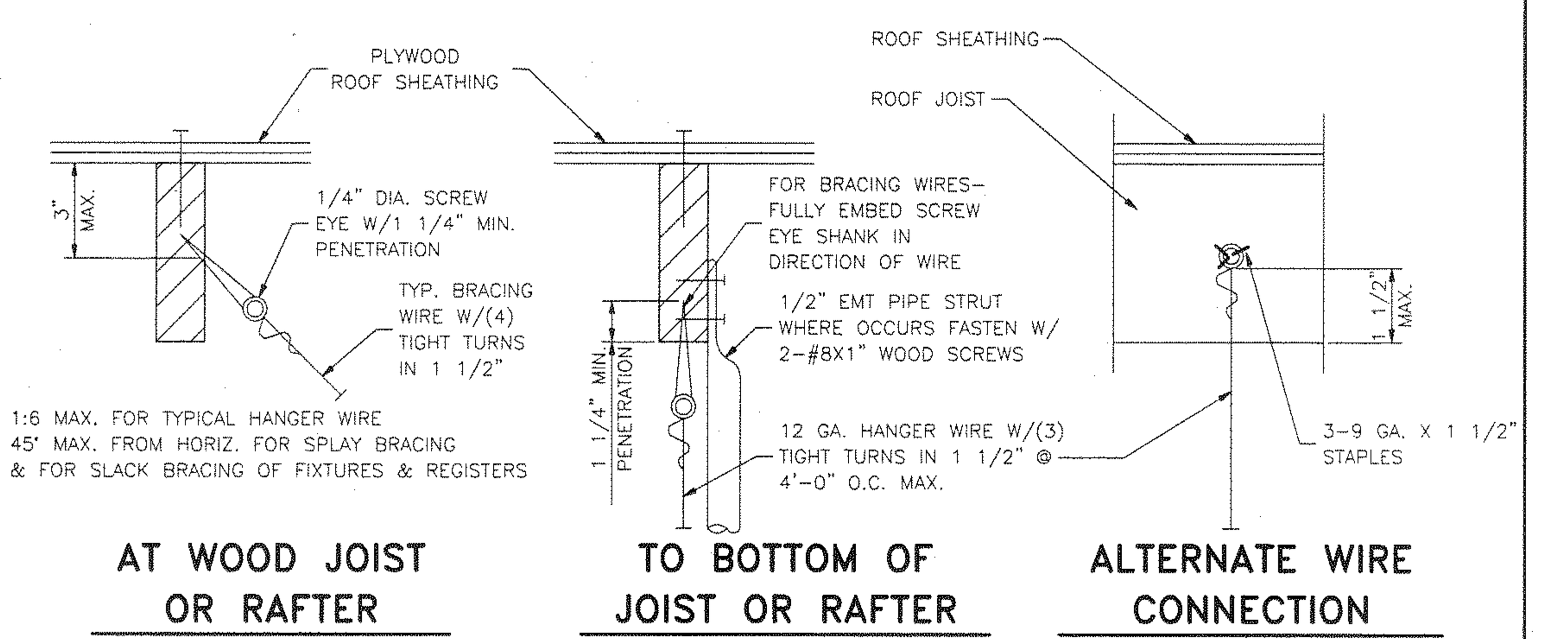


NOTE: SPLAYED BRACING WIRES SHALL BE SPACED NOT MORE THAN 12 FT. ON CENTER.

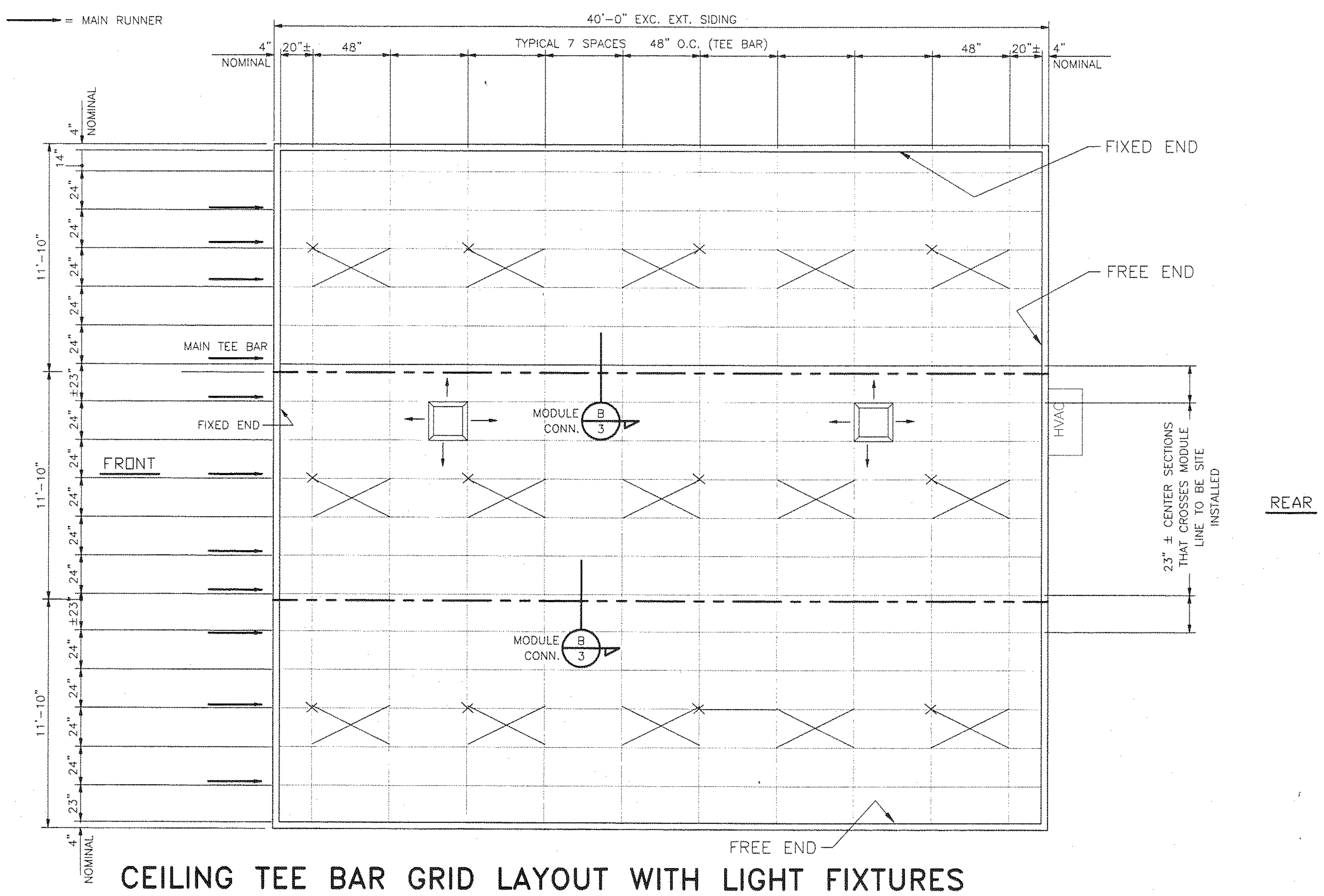
ATTACHMENT FOR CEILING GRID
DETAIL A/3
NO SCALE



WIRE CONNECTIONS TO GRID
DETAILS B/3
NO SCALE



CONNECTIONS TO WOOD JOISTS OR RAFTERS
DETAIL C/3
NO SCALE



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES
SCALE:1/4"=1'-0"

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA/ORS.
2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
   (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
   (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA/ORS APPROVAL.

7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC., IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA/ORS.
9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
   CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, PER ASTM C635
   MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL #200-01.
   MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER CHICAGO METALLIC 1214-01 CROSS TEES.
   MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
   ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS 1, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

TABLE A HEAVY DUTY GRID COMPONENTS

MANUFACTURER	MAIN TEE	H.D. 4' CROSS TEE	H.D. 2' CROSS TEE
DONN/USG	DX-26	DX-424	DX-216
ARMSTRONG	7301	7341	7323
CHICAGO MET.	200-01	1204-01	1226-01

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

36 X 40 PC
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American Modular Systems
333 EAST CARNEGIE CT. MANTECA, CALIFORNIA 95337
PHONE (209) 825-1921 FAX. (209) 825-7018

CUSTOMER:

CEILING GRID, DETAILS AND NOTES

DATE: 3-19-98
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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PROJECT No.

SHEET No.
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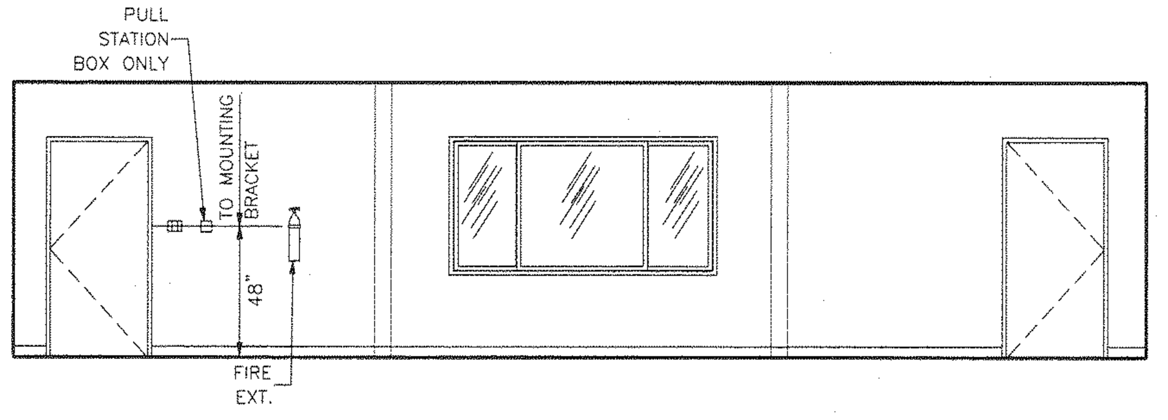
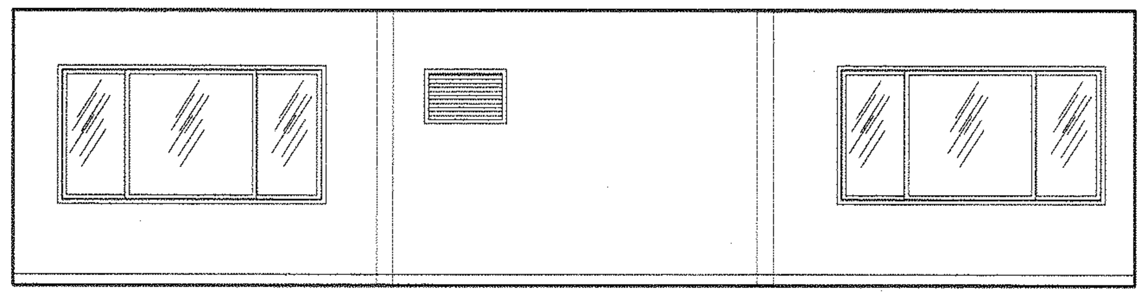
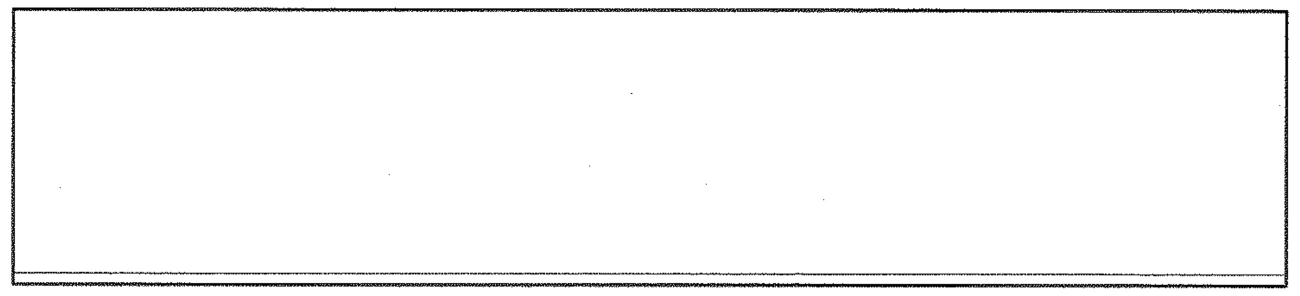


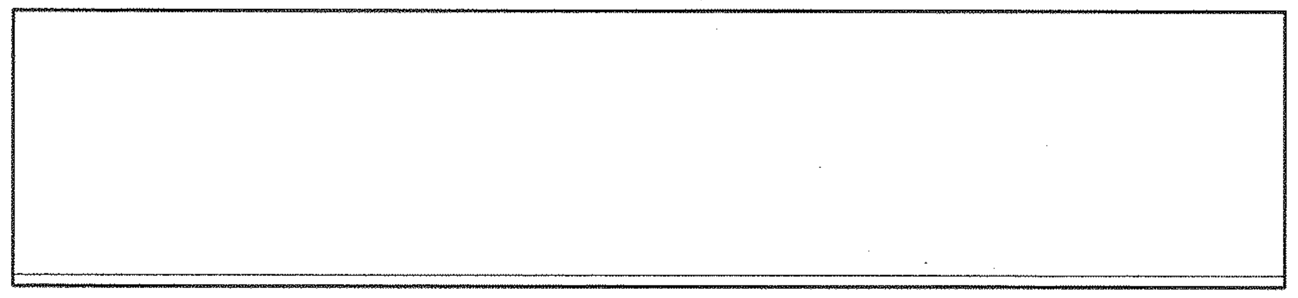
1 / 4 INTERIOR ELEVATION
1/4" = 1'-0"



2 / 4 INTERIOR ELEVATION
1/4" = 1'-0"



3 / 4 INTERIOR ELEVATION
1/4" = 1'-0"

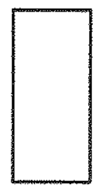


4 / 4 INTERIOR ELEVATION
1/4" = 1'-0"

DOOR SCHEDULE

DOOR NO.	OPENING SIZE	DOOR TYPE	DOOR THK.	DOOR MAT'L	FRAME MAT'L	DETAILS SHT. 1 HEAD	DETAILS SHT. 1 JAMB	DETAILS SHT. 1 THRESHOLD	GLAZING	RATING	HARDWARE	REMARKS
1	3'-0"X6'-8"	A	1 3/4"	H.M	H.M				N/A	N/A		
2	3'-0"X6'-8"	A	1 3/4"	H.M	H.M				N/A	N/A		

DOOR TYPES



A
EXTERIOR

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING	MISC.	CLG. HT.	REMARKS
01	CLASSROOM	F2	B1	W1	W1	W1	W1	C1	N/A	8-6	N/A

FINISHES

FLOOR FINISHES
F1 VINYL COMPOSITION TILE
F2 CARPETING
F3 SHEET VINYL

BASE FINISHES
B1 RUBBER COVE BASE

REMARKS
1 SEE PLAN FOR LOCATION OF FLOOR FINISHES

WALL FINISHES
W1 1/2" VINYL WRAPPED SOUND BOARD OVER 1/2" GYPSUM BD.
W2 1/8" MARLITE OVER 1/2" GYPSUM BOARD

CEILING FINISHES
C1 SUSPENDED LAY-IN ACOUSTIC TILE

MISCELLANEOUS FINISHES

36 X 40 PC
RELOCATABLE
CLASSROOM

American Modular Systems

CUSTOMER:

INTERIOR ELEVATIONS

DATE: 3-19-98
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PROJECT No.

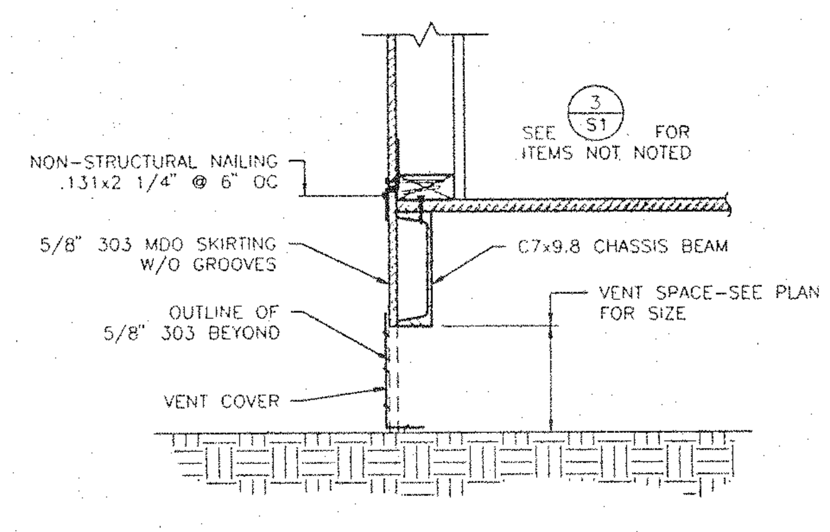
SHEET No.
4

FOUNDATIONS:

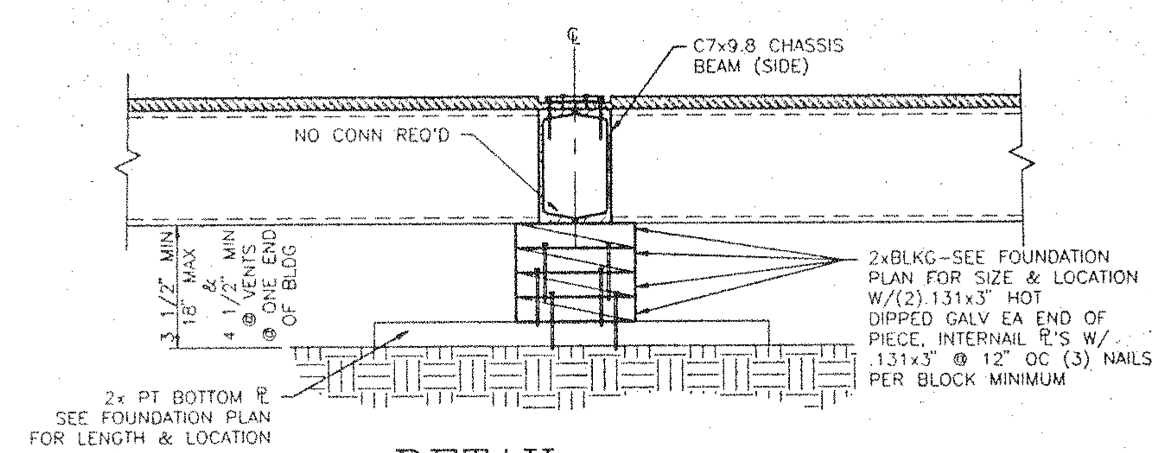
ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING "THE MATERIAL IN THIS UNIT WAS TREATED PER 1995 CALIFORNIA BUILDING CODE." ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE STAMPED "FOR ABOVE GROUND USE" OR "NOT FOR GROUND CONTACT" (LP2). THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RETREATED PER SPECIFICATIONS. LP-2 AND LP-22 MATERIAL SHALL BE BANDED SEPARATELY FOR SHIPMENT TO THE JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH BANDED UNIT SHALL BE ATTACHED TO THE MATERIAL. CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED. INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.

LEGEND:

(1) 1/2"x12" WIDE x 48" LONG PT STRUCTURAL PLYWOOD (CDX PLYWOOD)
(2) NOT USED
(3) 2x10x8'-0" LONG PT ℞
(4) 2x8x8'-0" LONG ℞
(5) NOT USED
(6) 2x8x4'-0" LONG ℞
(7) 2x10x4'-0" LONG ℞
(8) MULTIPLE 2x6x8'-0" LONG NAILER AS REQ'D FOR HEIGHT
(9) MULTIPLE 2x6x4'-0" LONG NAILER AS REQ'D FOR HEIGHT
(10) 2x10 ℞ SEE 2/S1
(11) 2x10 BLKG, SEE 2/S1
(12) (5)2x12x2'-0" OR (7)2x10x2'-0" OR (8)2x8x2'-0", SEE 2/S1
(13) (4)2x12x2'-0" OR (4)2x10x2'-0" OR (5)2x8x2'-0", SEE 2/S1
• 1"ø GALVANIZED PIPE LOCATIONS-TYPICAL



1/S1 FOUNDATION DETAIL
1 1/2" = 1'-0"
G:\96186\ACAD\STRU\S1 10-9-96 4:56:04 pm EST



2/S1 DETAIL
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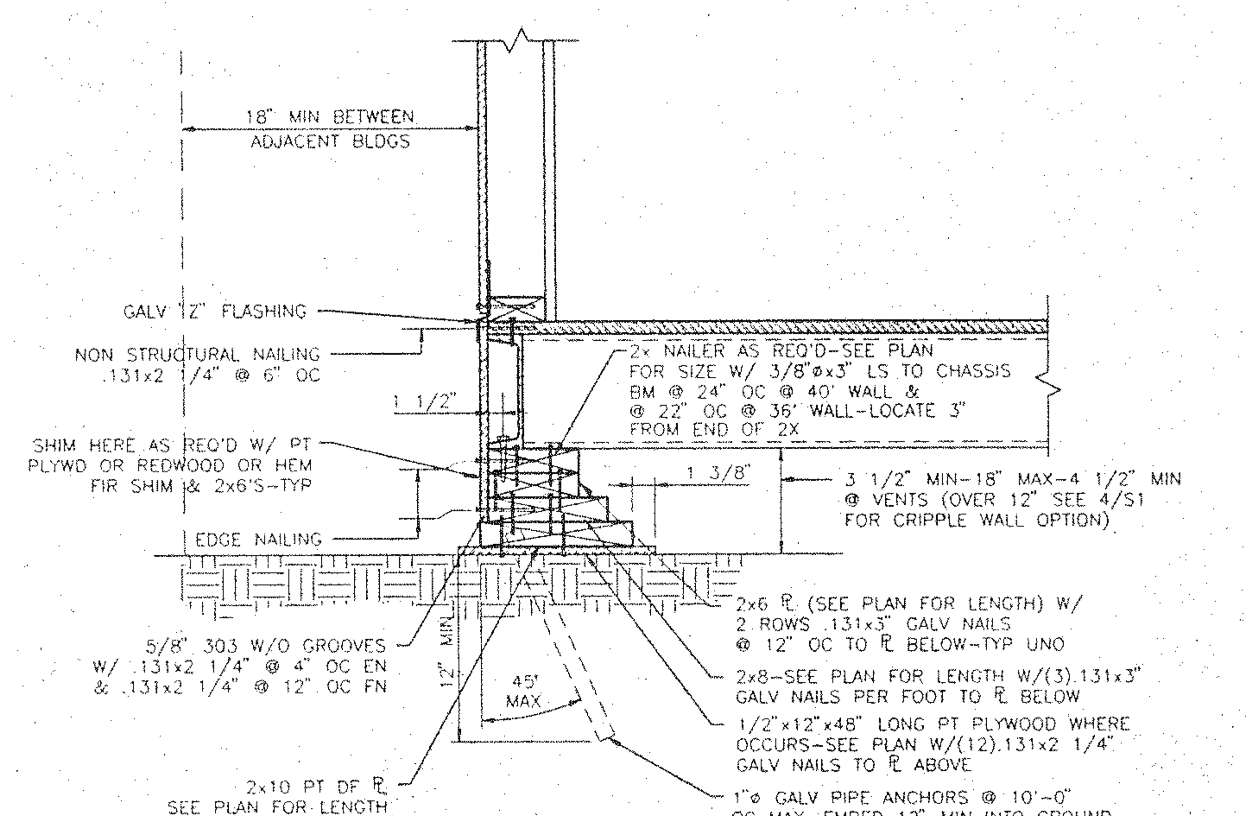

3/S1 FOUNDATION DETAIL
1 1/2" = 1'-0"
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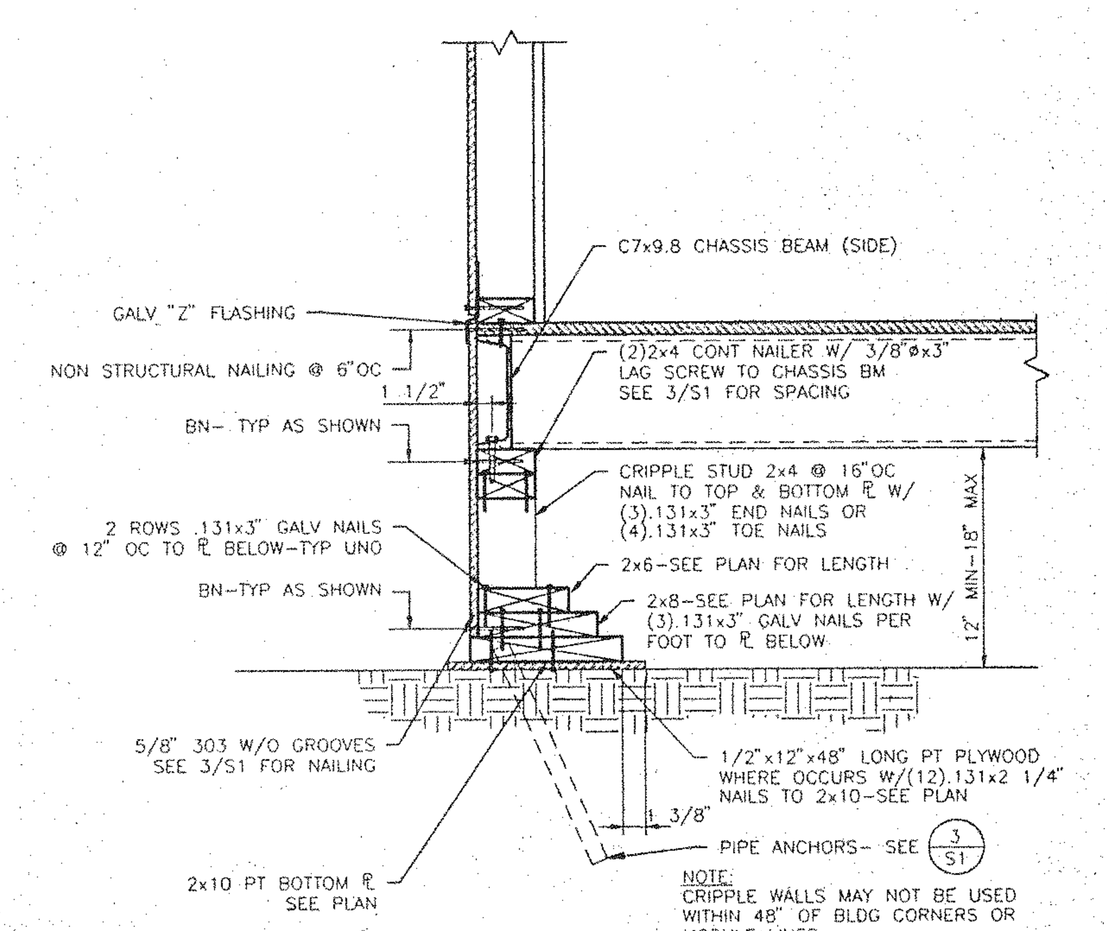

4/S1 FOUNDATION DETAIL
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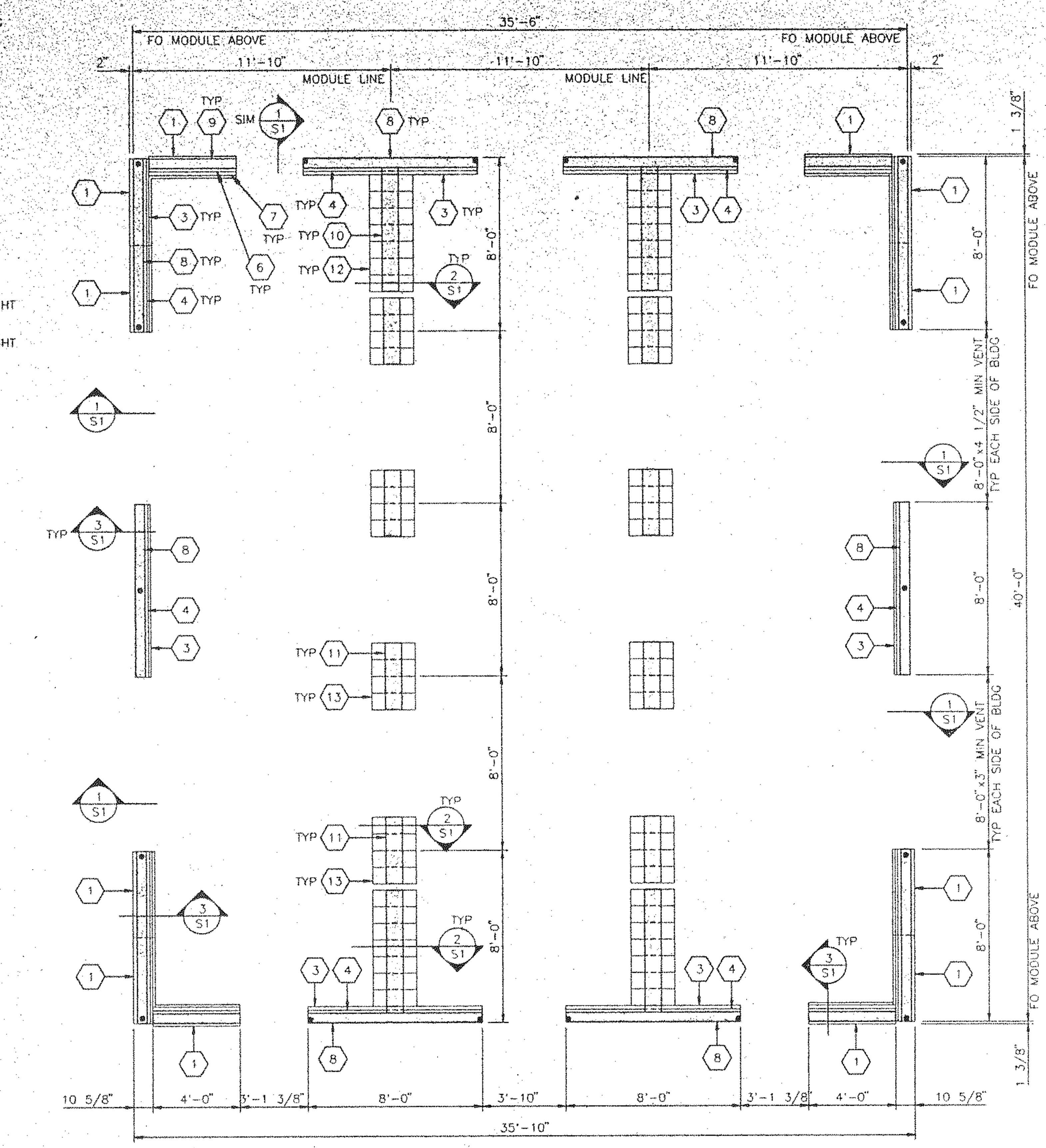

A/S1 FOUNDATION PLAN
1/4" = 1'-0"

SILL RESTRAINT:

ON SOIL: 1"ø GALV PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 10'-0" OC. DRILL SILL 1 1/4" MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.

ON A/C PAVING: 1"ø GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC. DRILL SILL 1 1/4" MAX OR 20d NAILS THRU SILL ℞ @ 32" OC

ON CONC PAVING: HILTI DS 82-P10 THRU SILL ℞ @ 4'-0" OC.

NOTES:

1. TOP OF WOOD PADS TO BE LEVEL.
2. DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
3. SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
4. FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
5. VENT AREA REQUIRED = $\left(\frac{1440}{150}\right)$=9.6 SF
VENT AREA PROVIDED = 10 SF

WOOD: 50 PSF FLOOR LIVE LOAD

36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

CUSTOMER:

FOUNDATION PLAN, NOTES, SECTIONS AND DETAILS
WOOD FOUNDATION; 50 PSF

DATE: 1/9/97
SCALE: NONE
DRAWN BY: K.D.T.
DESIGNED BY: HECK
CHECKED BY: B.J.R.
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No. 96187

SHEET No. S1

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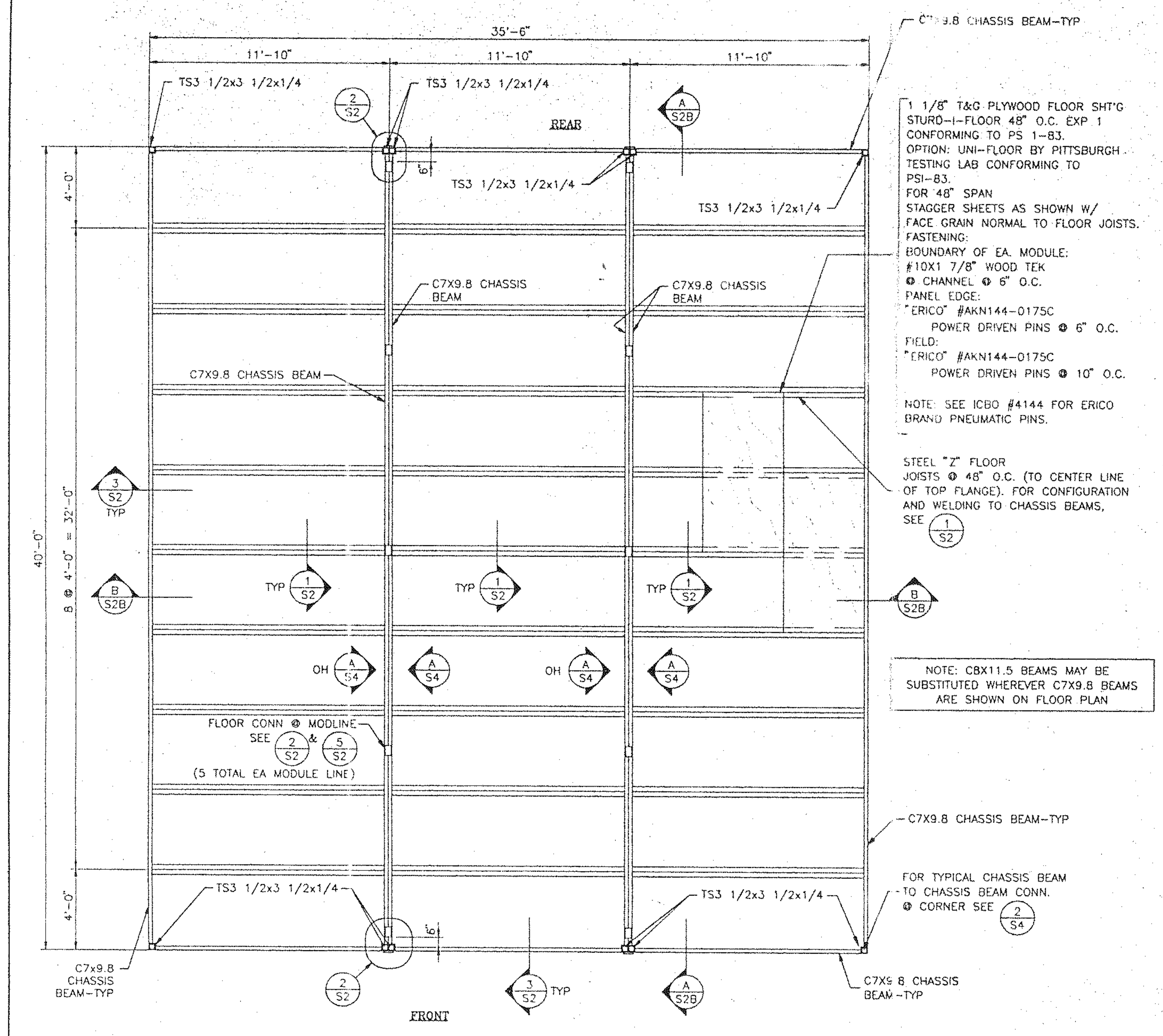
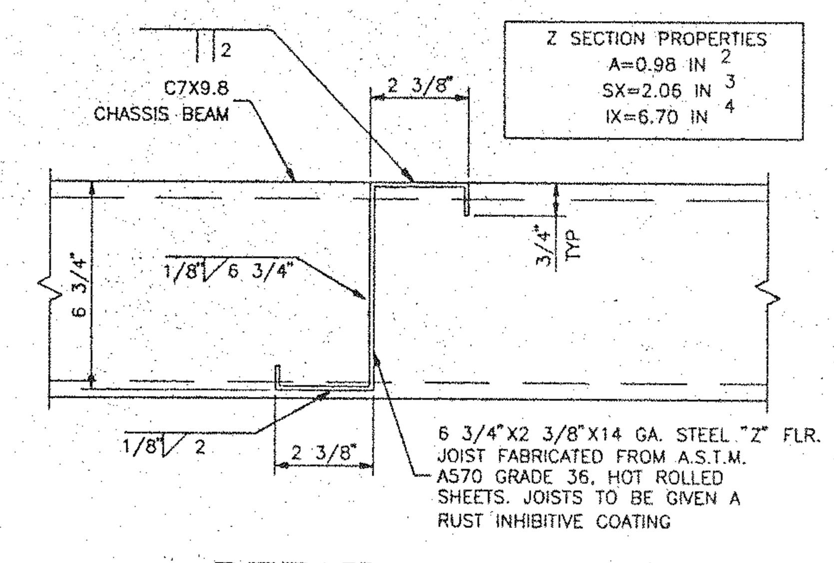
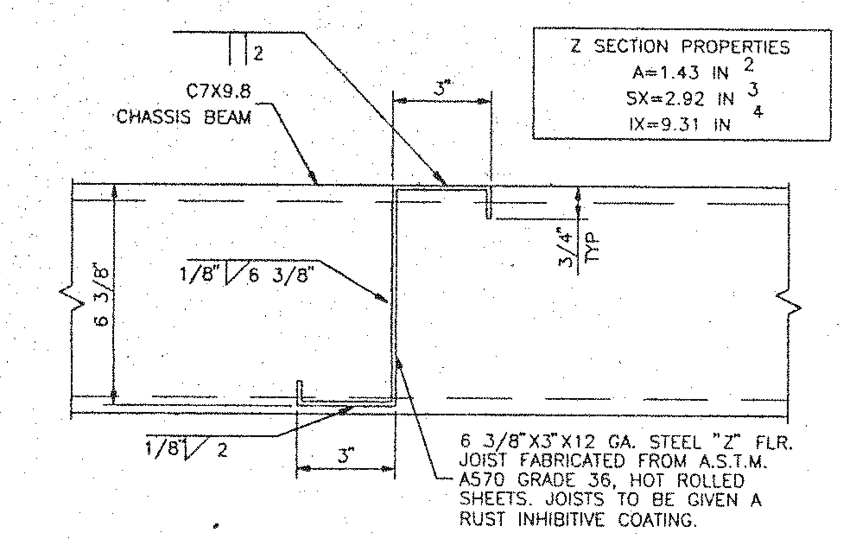


NOTES:
1. SEE SHEET S4 FOR TYPICAL SIDE WALL FRAMING.
2. SEE SHEET S5 FOR TYPICAL END WALL FRAMING.

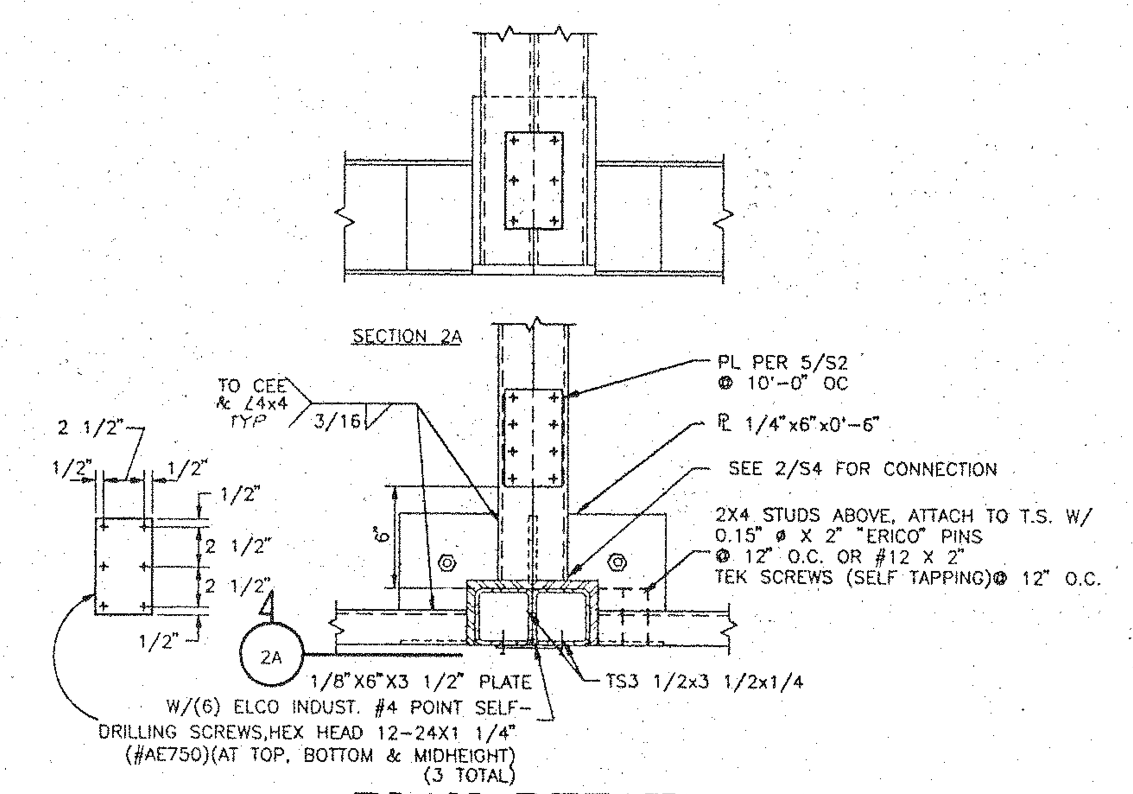
A/S2 FLOOR FRAMING PLAN
1/4" = 1'-0"



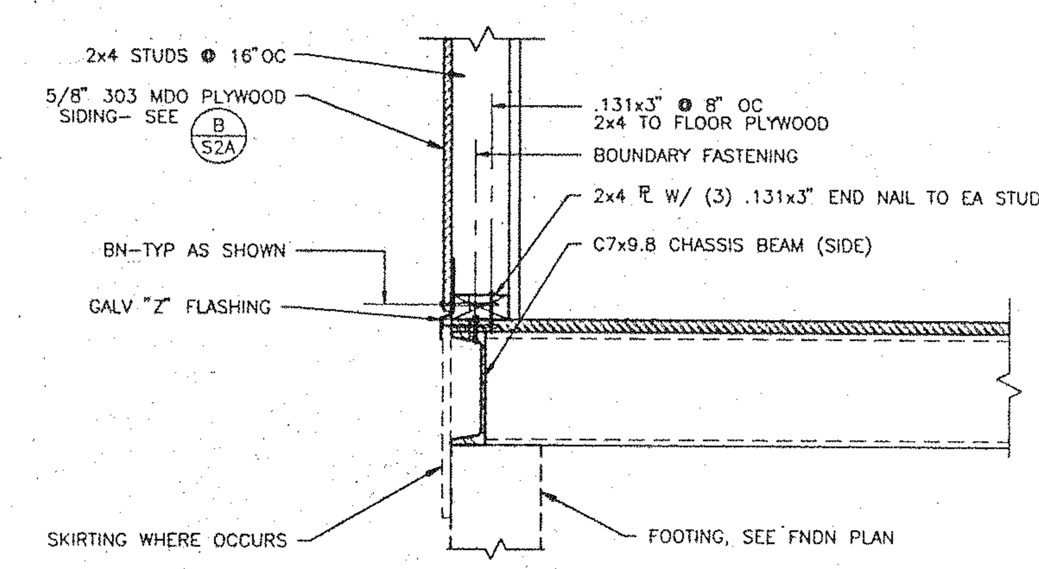
1/S2 DETAIL
NO SCALE



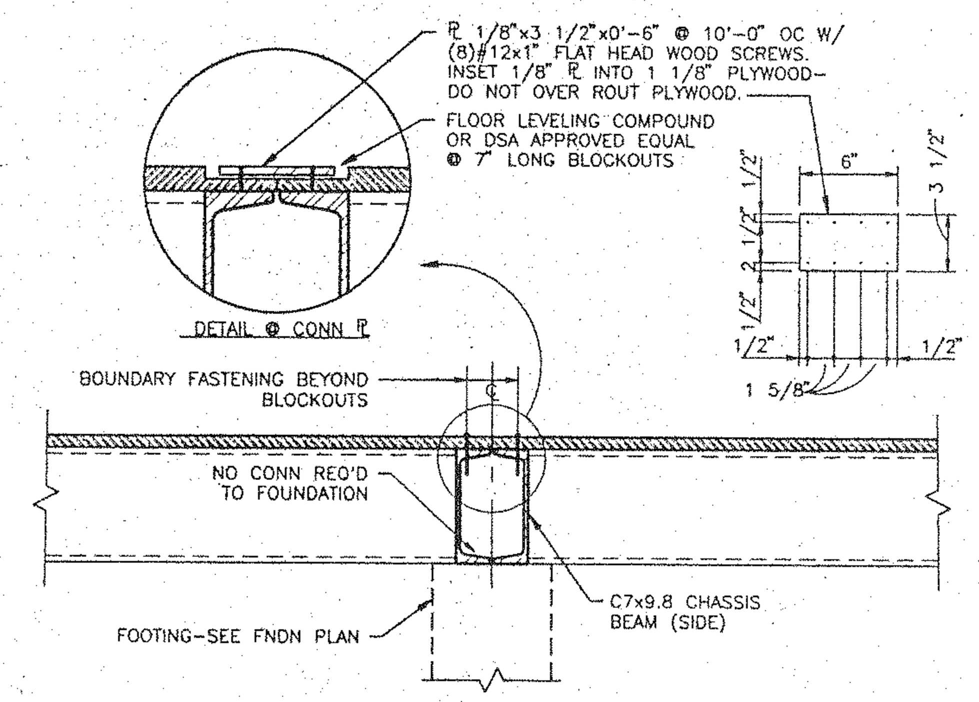
1A/S2 DETAIL
NO SCALE



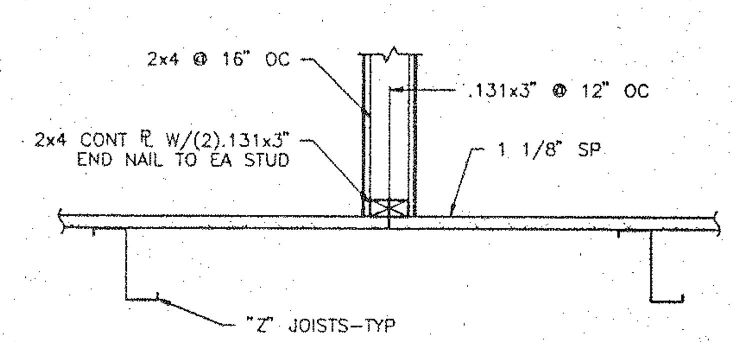
2/S2 PLAN DETAIL
NO SCALE



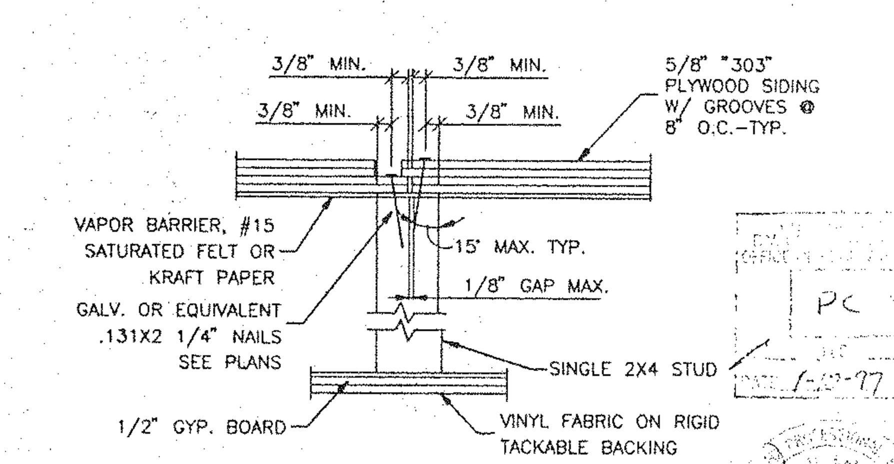
3/S2 DETAIL
1 1/2" = 1'-0"



5/S2 DETAIL
1 1/2" = 1'-0"



6/S2 TYP INTERIOR NON-BEARING WALL BASE DETAIL
1" = 1'-0"



4/S2 TYPICAL SIDING JOINT DETAIL
NO SCALE

50 PSF FLOOR LIVE LOAD

36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

CUSTOMER:

FLOOR FRAMING PLAN
AND DETAILS
50 PSF FLOOR LOAD

DATE:	1/3/97
SCALE:	NONE
DRAWN BY:	K.D.T.
DESIGNED BY:	HECK
CHECKED BY:	B.J.R.
SERIAL NO.	

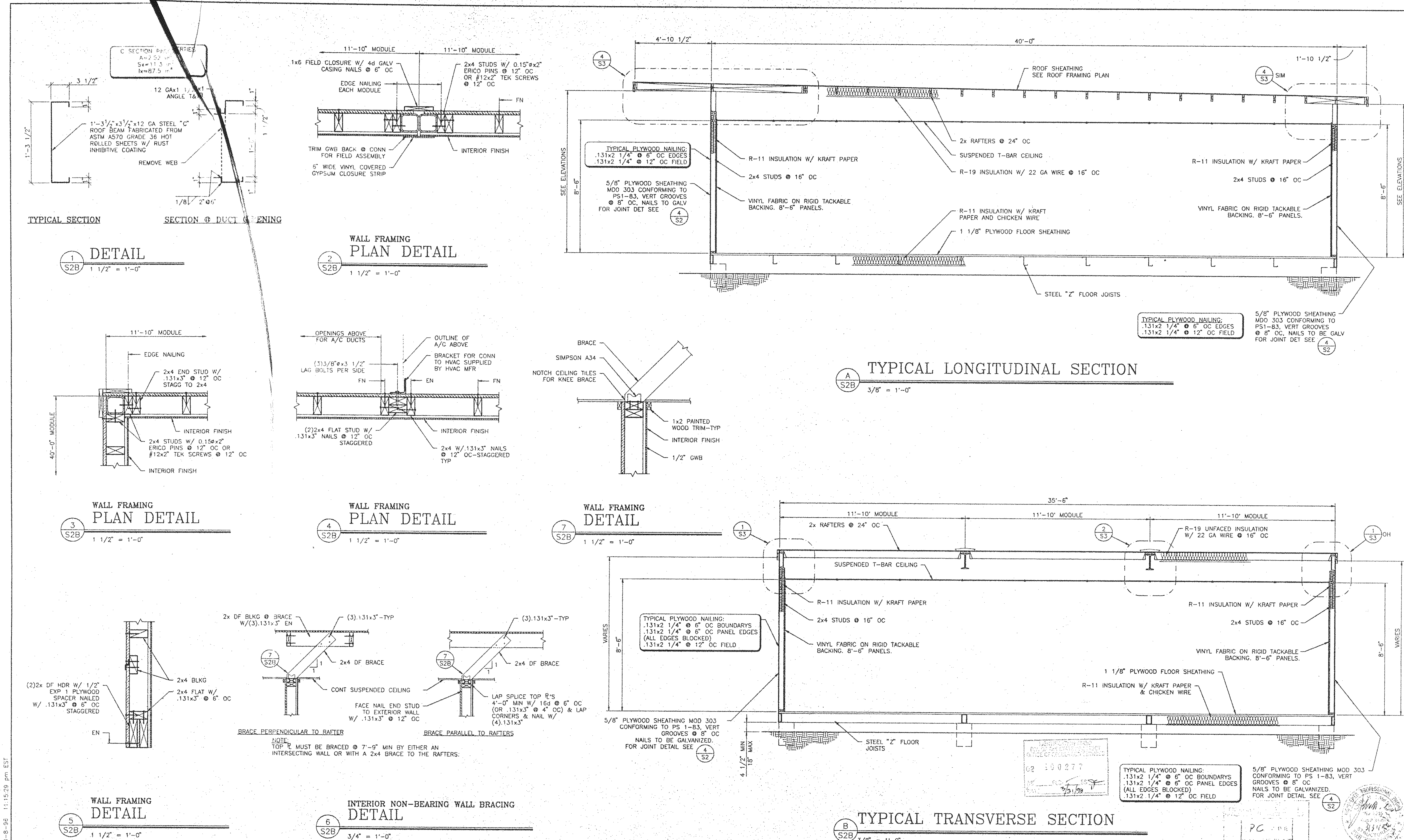
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.
96187

SHEET No.
S2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

CUSTOMER:

BUILDING SECTIONS AND WALL DETAILS

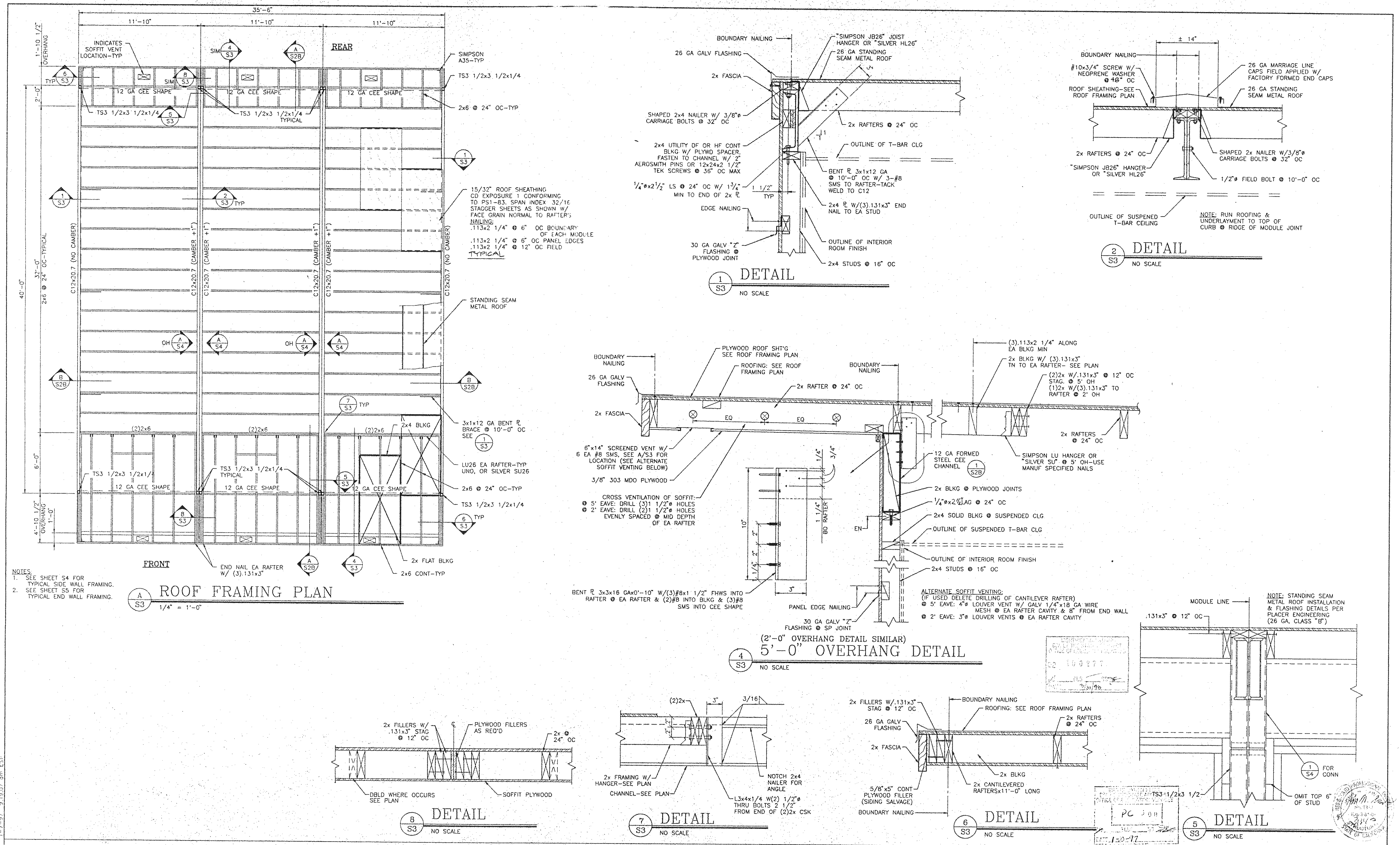
DATE:	1/9/97
SCALE:	NONE
DRAWN BY:	K.D.T.
DESIGNED BY:	HECK
CHECKED BY:	B.J.R.
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No. 96187

SHEET No. S2B



36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
No. 2837
Exp 9/99
STRUCTURAL
STATE OF CALIFORNIA

CUSTOMER:

ROOF FRAMING PLAN
AND DETAILS

DATE:	1/7/97
SCALE:	NONE
DRAWN BY:	K.D.T.
DESIGNED BY:	HECK
CHECKED BY:	B.J.R.
SERIAL NO.	

REVISIONS

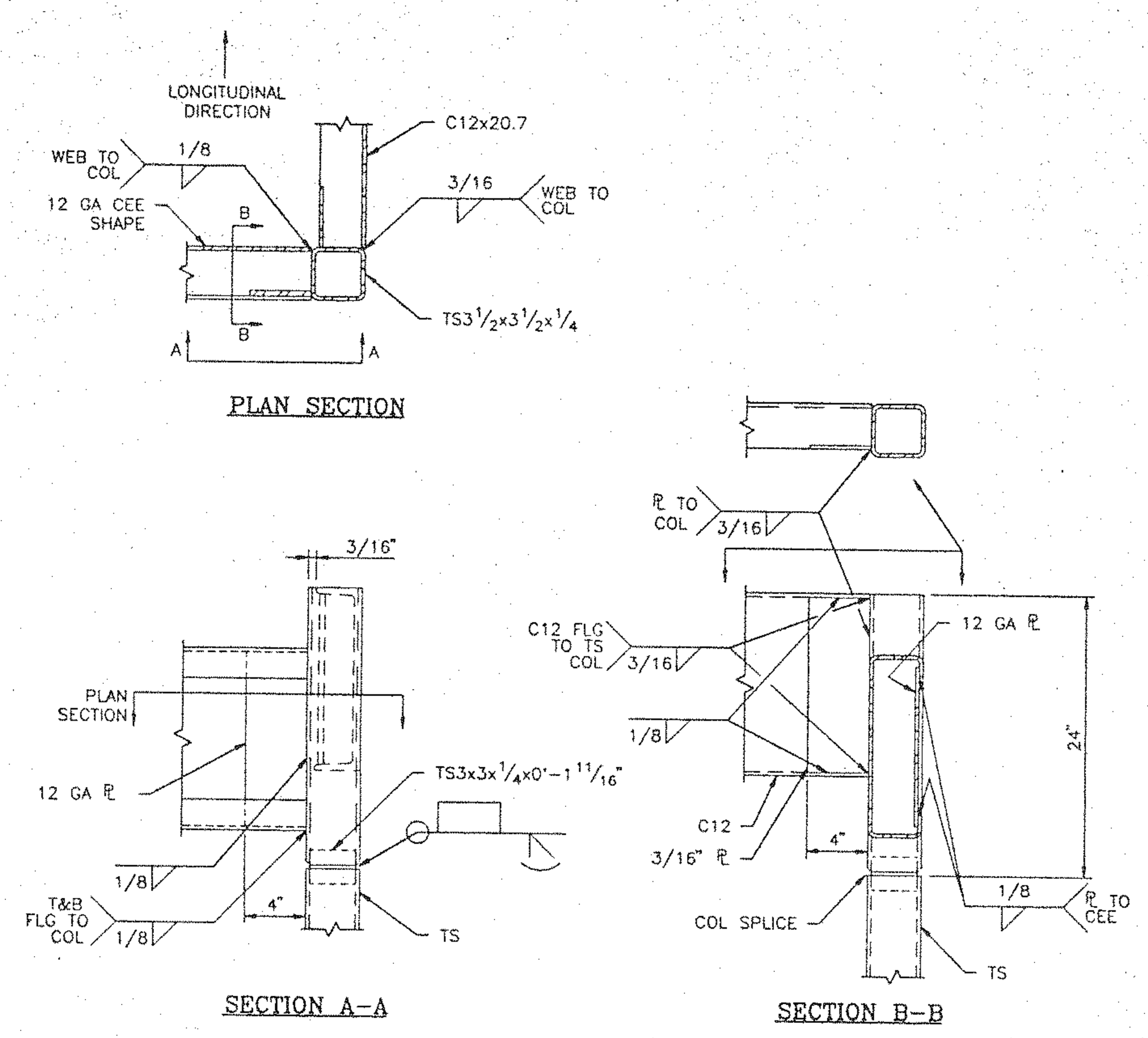
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		
△			△		

PROJECT No.
96187

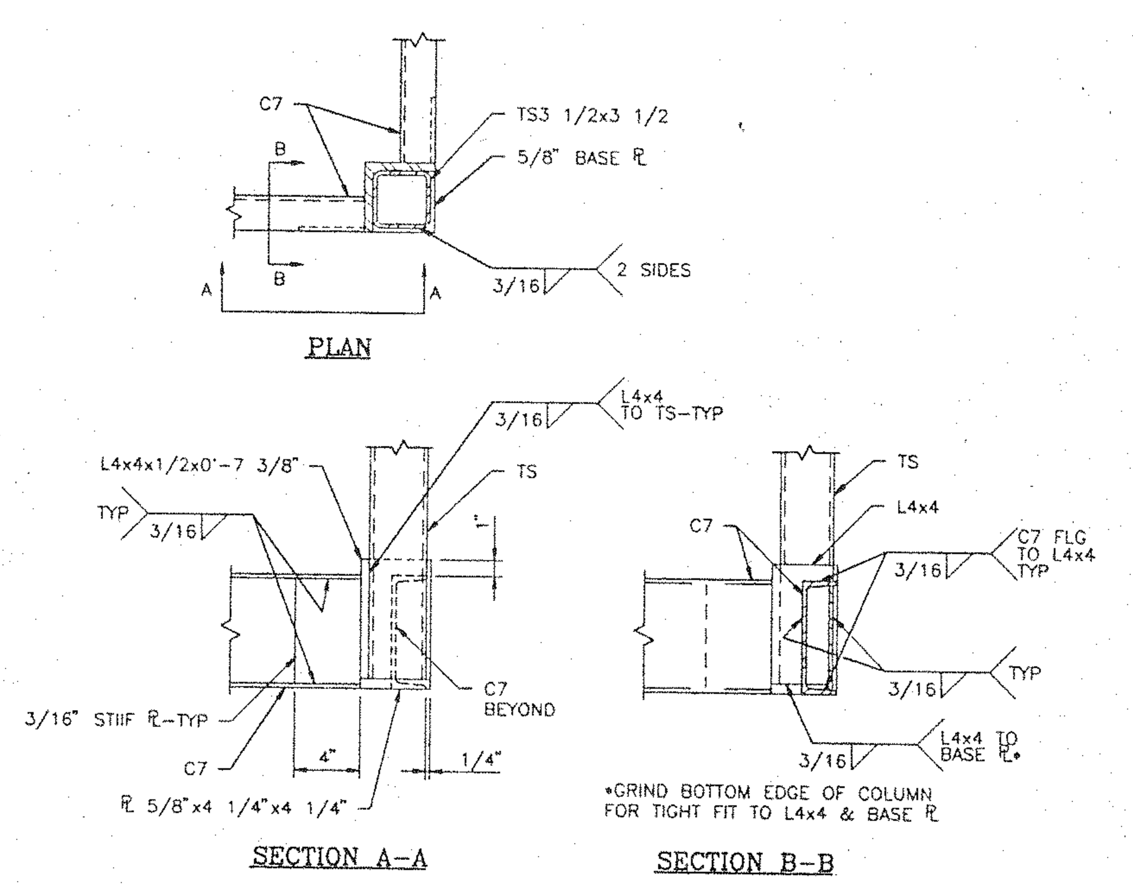
SHEET No.
S3

C:\96187\ACAD\STR\A S3 1-7-97 9:19:07 am EST

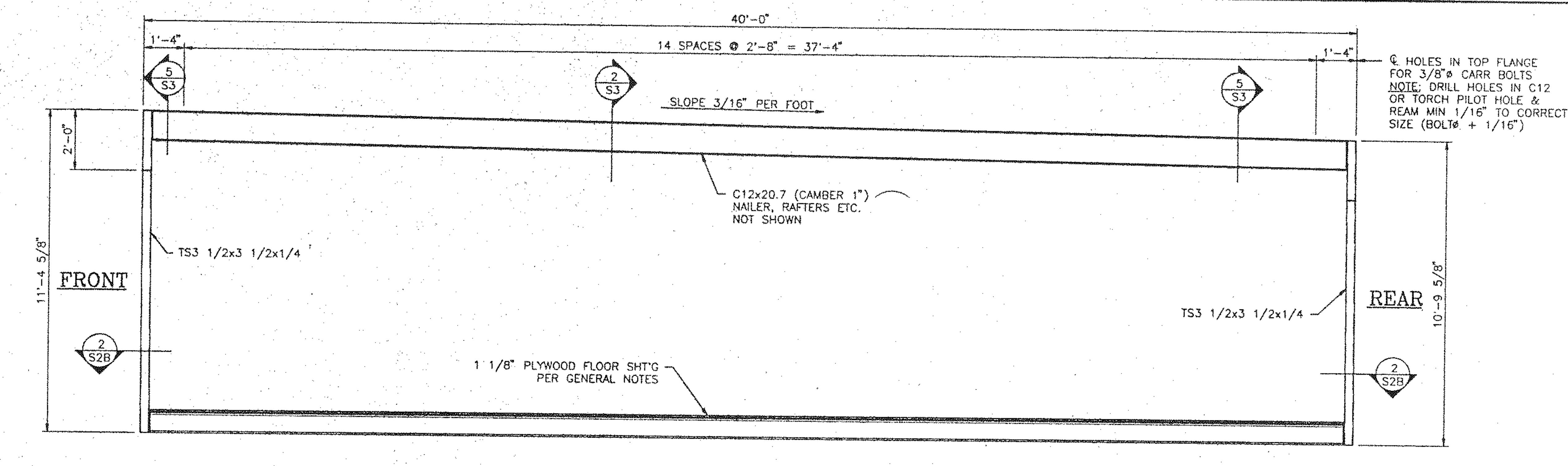
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



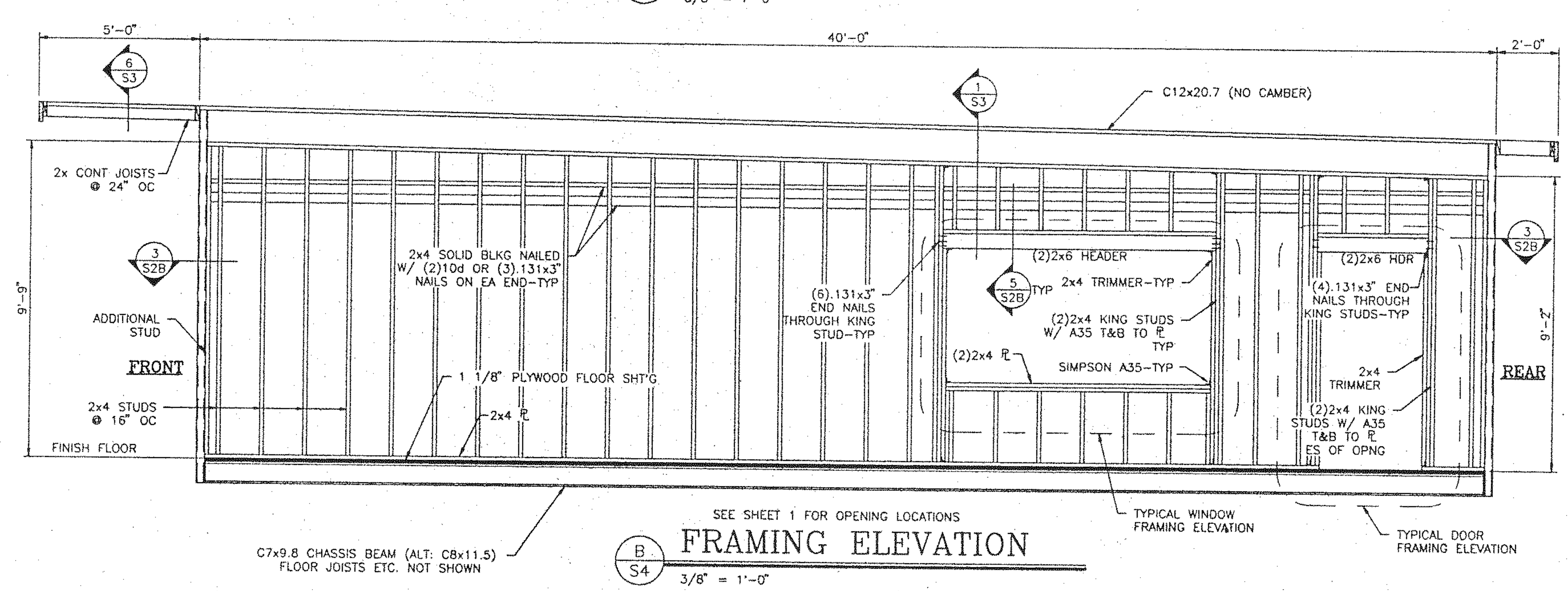
TOP CONNECTION
DETAIL
1/S4
1 1/2" = 1'-0"



BOTTOM CONNECTION
DETAIL
2/S4
1 1/2" = 1'-0"



FRAMING ELEVATION
A/S4
3/8" = 1'-0"



FRAMING ELEVATION
B/S4
3/8" = 1'-0"

36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
No. 2837
Exp 9/99
STRUCTURAL
STATE OF CALIFORNIA

CUSTOMER:

FRAMING ELEVATIONS
AND DETAILS

DATE:	1/3/97
SCALE:	NONE
DRAWN BY:	K.D.T.
DESIGNED BY:	HECK
CHECKED BY:	B.J.R.
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No. 96187

SHEET No. S4

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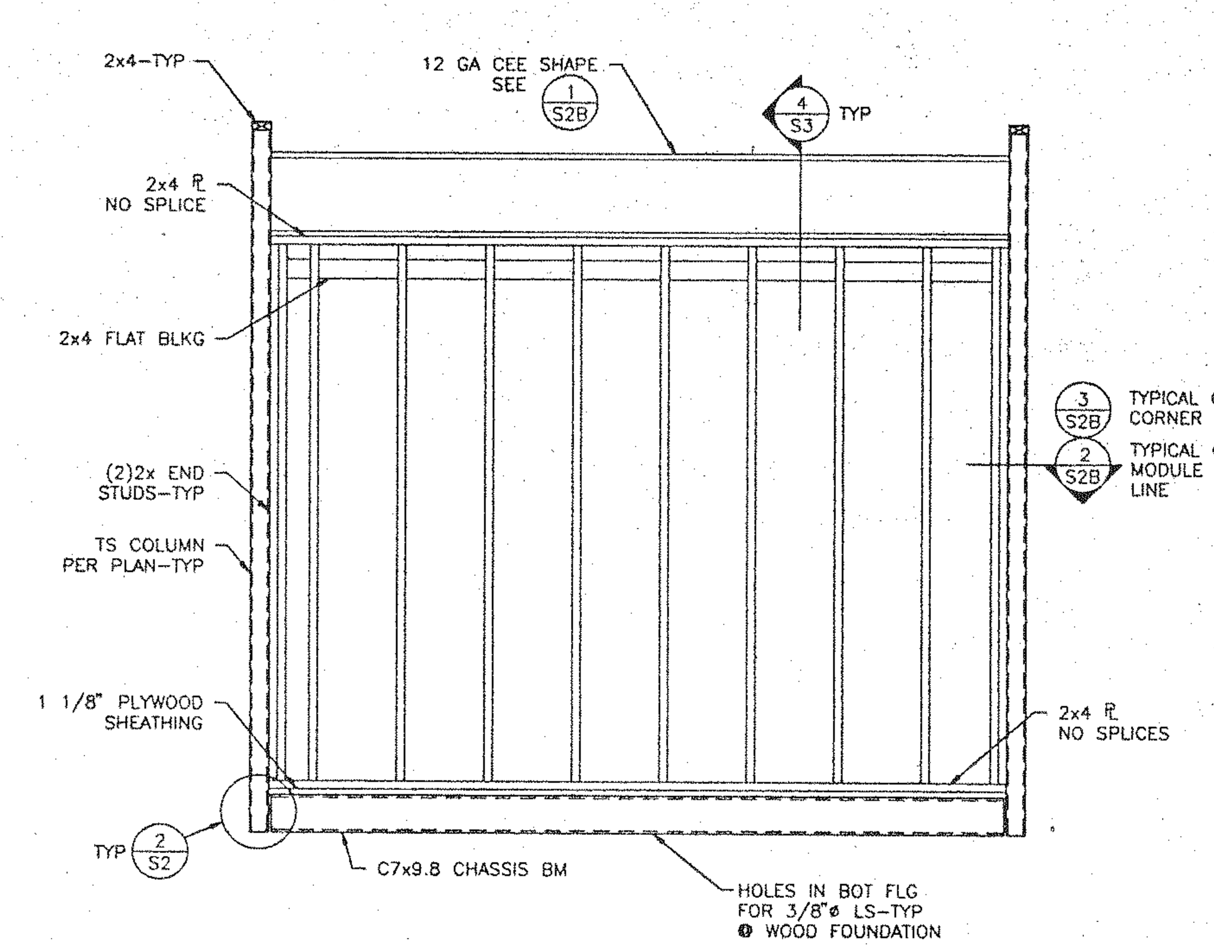
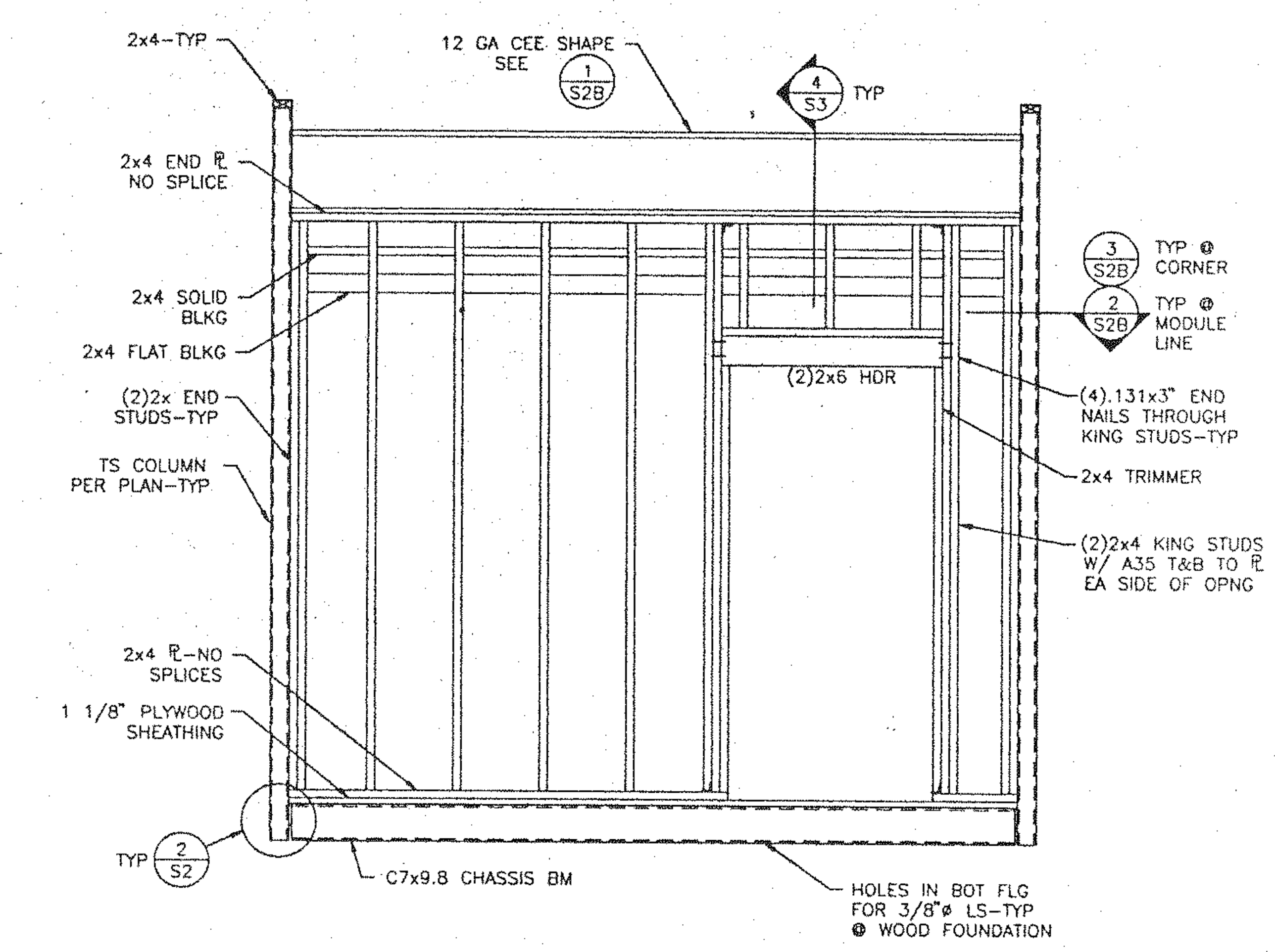
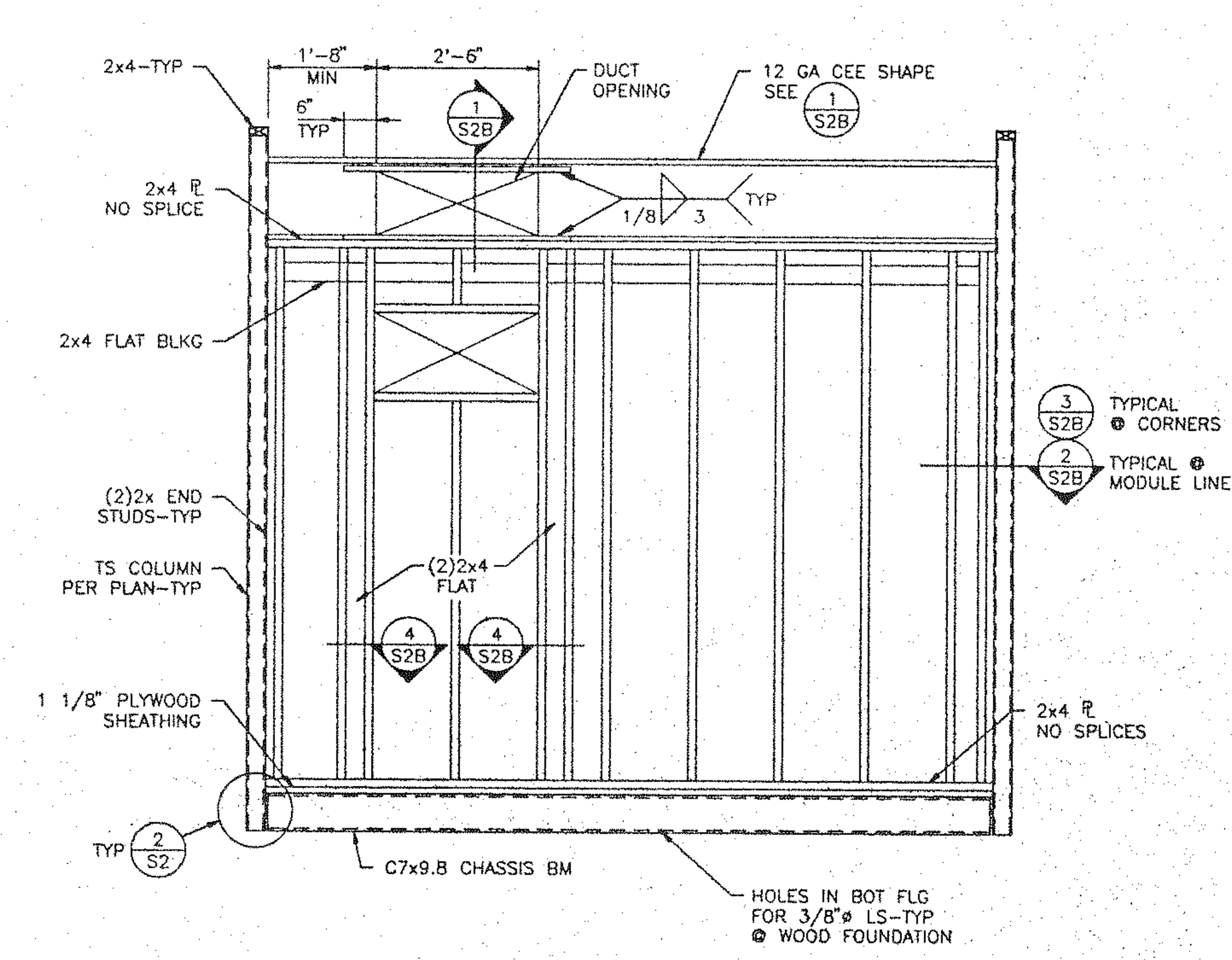


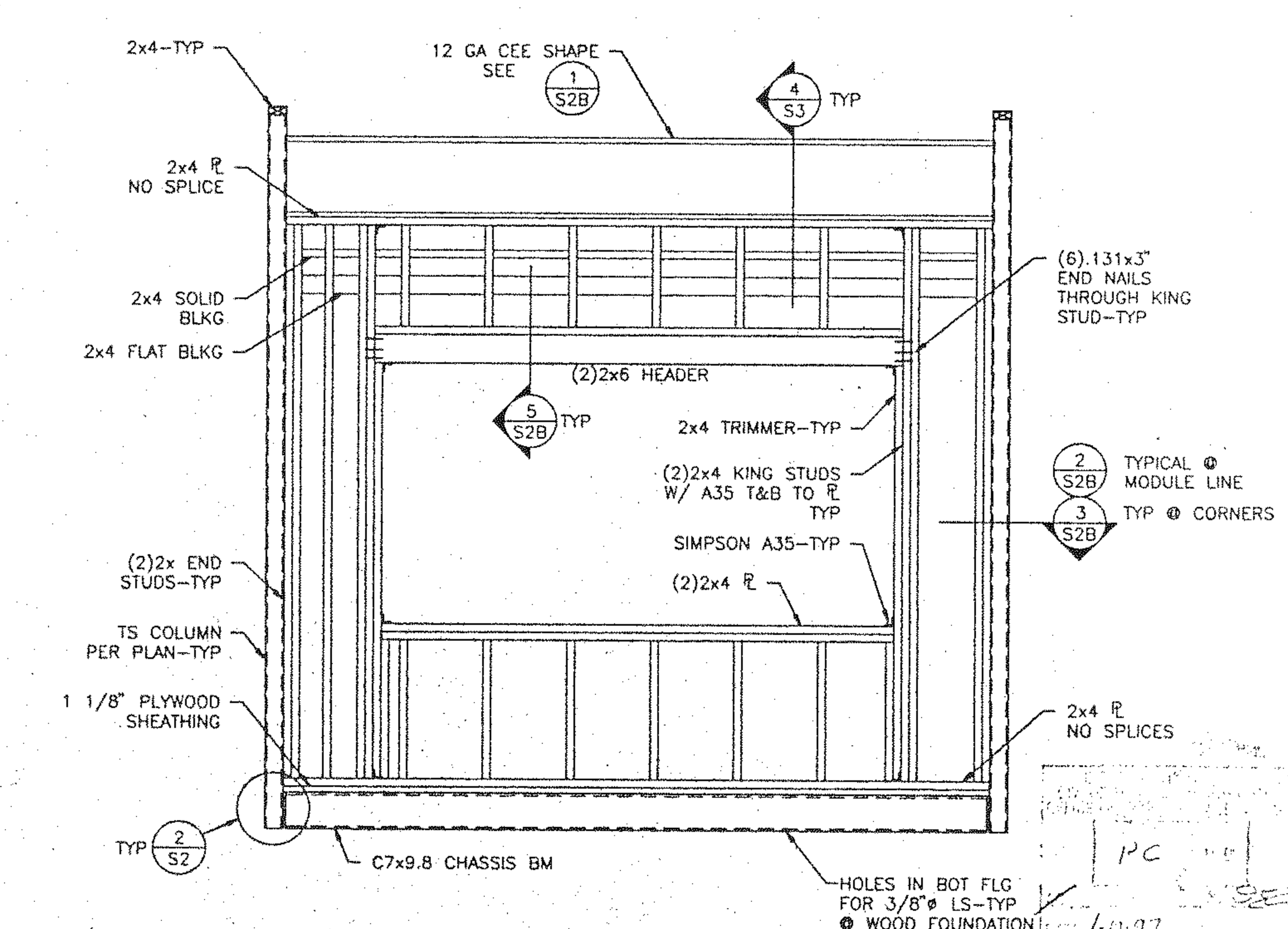
C/S5 SOLID END WALL ELEVATION
1/2" = 1'-0"



SEE SHEET 1 FOR OPENING LOCATION
A/S5 DOOR END WALL ELEVATION
1/2" = 1'-0"



SEE SHEET 1 FOR OPENING LOCATION
D/S5 HVAC END WALL ELEVATION
1/2" = 1'-0"



SEE SHEET 1 FOR OPENING LOCATION
B/S5 WINDOW END WALL ELEVATION
1/2" = 1'-0"

PC
1-9-97

36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
No. 2837
Exp 9/99
STRUCTURAL
STATE OF CALIFORNIA

CUSTOMER:

FRAMING ELEVATIONS

DATE:	1/7/97
SCALE:	NONE
DRAWN BY:	K.D.T.
DESIGNED BY:	HECK
CHECKED BY:	B.J.R.
SERIAL NO.	

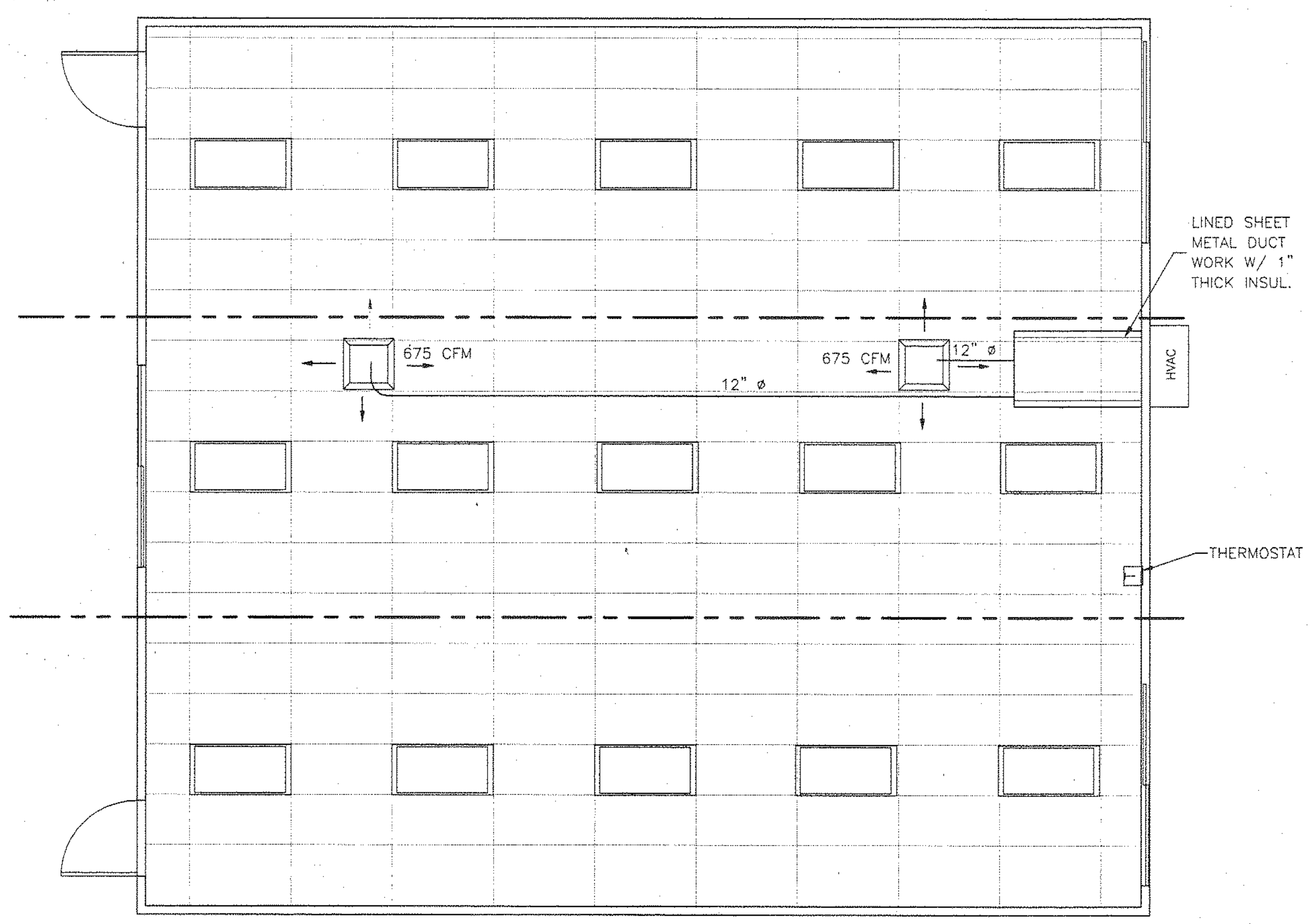
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.
96187

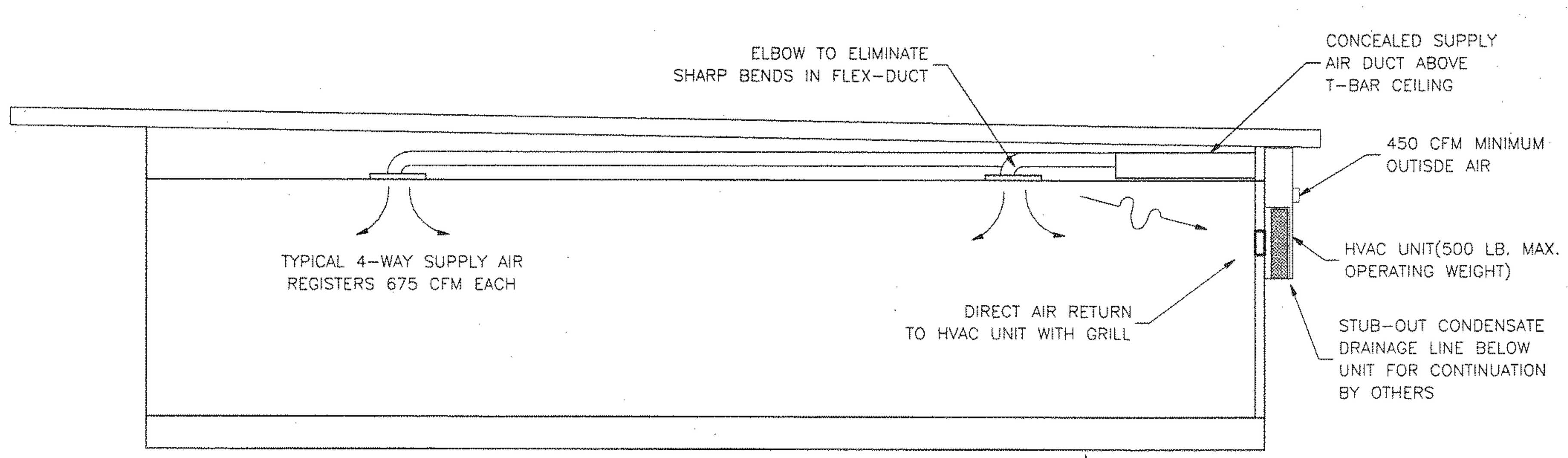
SHEET No.
S5

G:\96187\ACAD\STRU\S5 1-6-97 11:29:07 am EST



HEAT/SUPPLY AIR DUCT LAYOUT

SCALE: 1/4"=1'-0"



HEAT/SUPPLY AIR DUCT CROSS SECTION

SCALE: 1/4"=1'-0"

DUCT SUPPORT

Flex duct to be supported with 1-1/2" wide x 26 ga. galv. strap @ max 6'-0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1-1/2" wide x 26 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners.
Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

THESE DRAWINGS COMPLY WITH THE ENERGY CONSERVATION REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA

GENERAL NOTES
HEATING VENTILATING AND AIR CONDITIONING (HVAC)

1. Heat Pump: Single package wall mounted air to air electric heat pump unit shall be rated in accordance with ARI Standard 240-77.
   Reference Brands: BARD WH60A-XXXXXX
   MARVAIR AVP 60 HPA-08S

   All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards.

   A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer
   B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.
2. Duckwork.
   A.) Construct all ductwork of galvanized sheet metal in accordance with U.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 5'0" of HVAC unit.

   B.) Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 5' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure. Reference Brands: Owens-Corning fiberglass ducttboard, 1" thick, and Micro-aire, TYPE 475. Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.
3. Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.
4. Supply air diffusers shall be 675 CFM max. 15"x15" neck, steel, rigid 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, or equal and 90- B: UL #131 test, class 1 rating with "SMACNA".
5. Registers and diffusers: Provide three (Min) 4-way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, Shoemaker, Barber-Coleman or Krueger commercial grade grills and registers
6. Air conditioning controls.
   Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.
   A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period.
   B.) Key board lockout switch.
   C.) Programmable display.
   D.) 2-hour override minimum.
   E.) Status Indicated Led's.
   F.) Battery back-up.
   Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers IF92.
7. Thermal insulation
   A.) Roof Insulation: R-19 Unfaced.
   B.) Walls Insulation: R-11 Kraft Faced.
   C.) Floors Insulation: R-11 Kraft Faced.
   Flame spread and smoke development shall conform to California Building Code sec. 707.
8. Factory-made air ducts. Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliancewith U.M.C. Standard No. 6-1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6-1.

36 X 40 PC
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

MECHANICAL PLAN & NOTES

DATE:	1-1-97
SCALE:	NONE
DRAWN BY:	R.S.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
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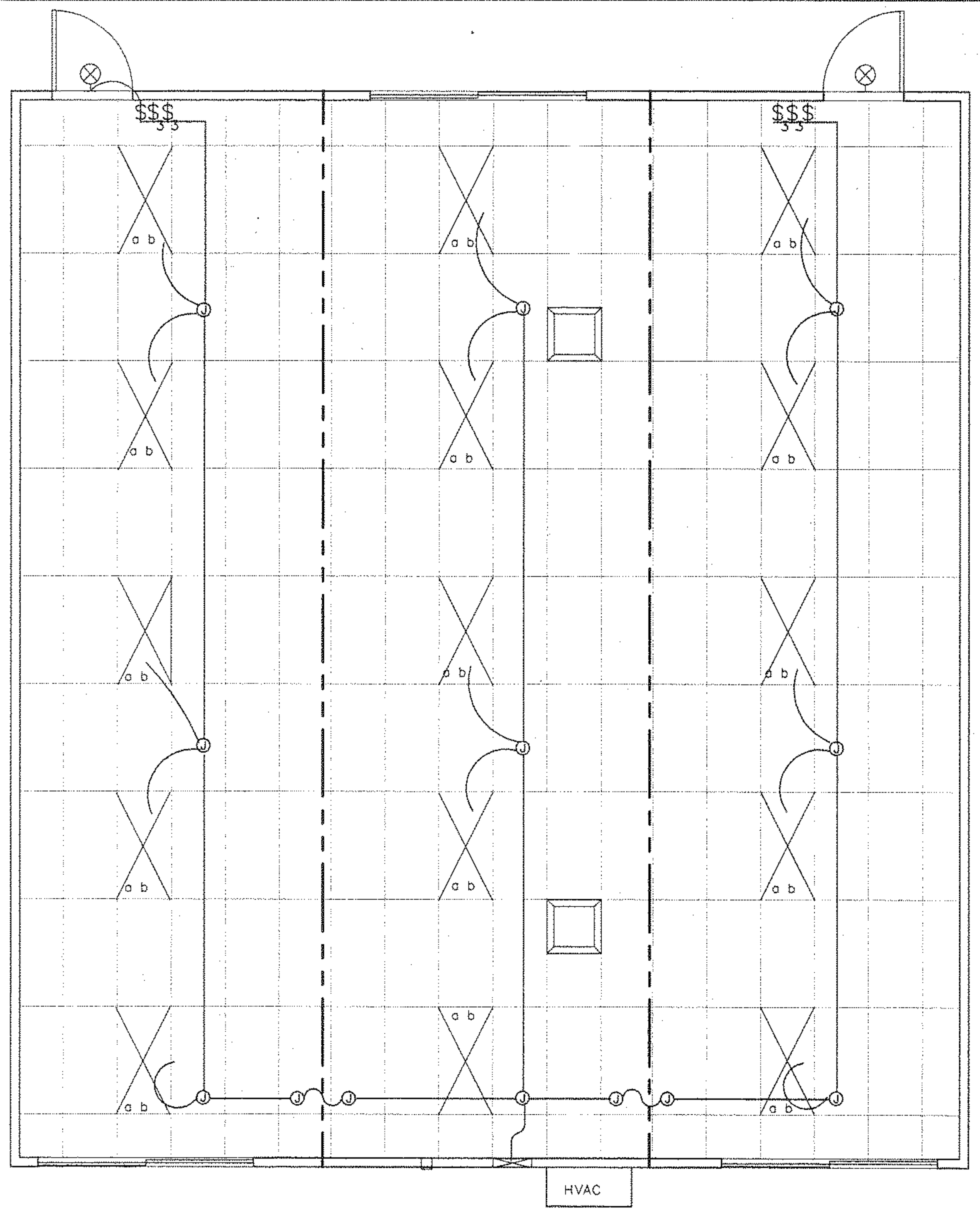
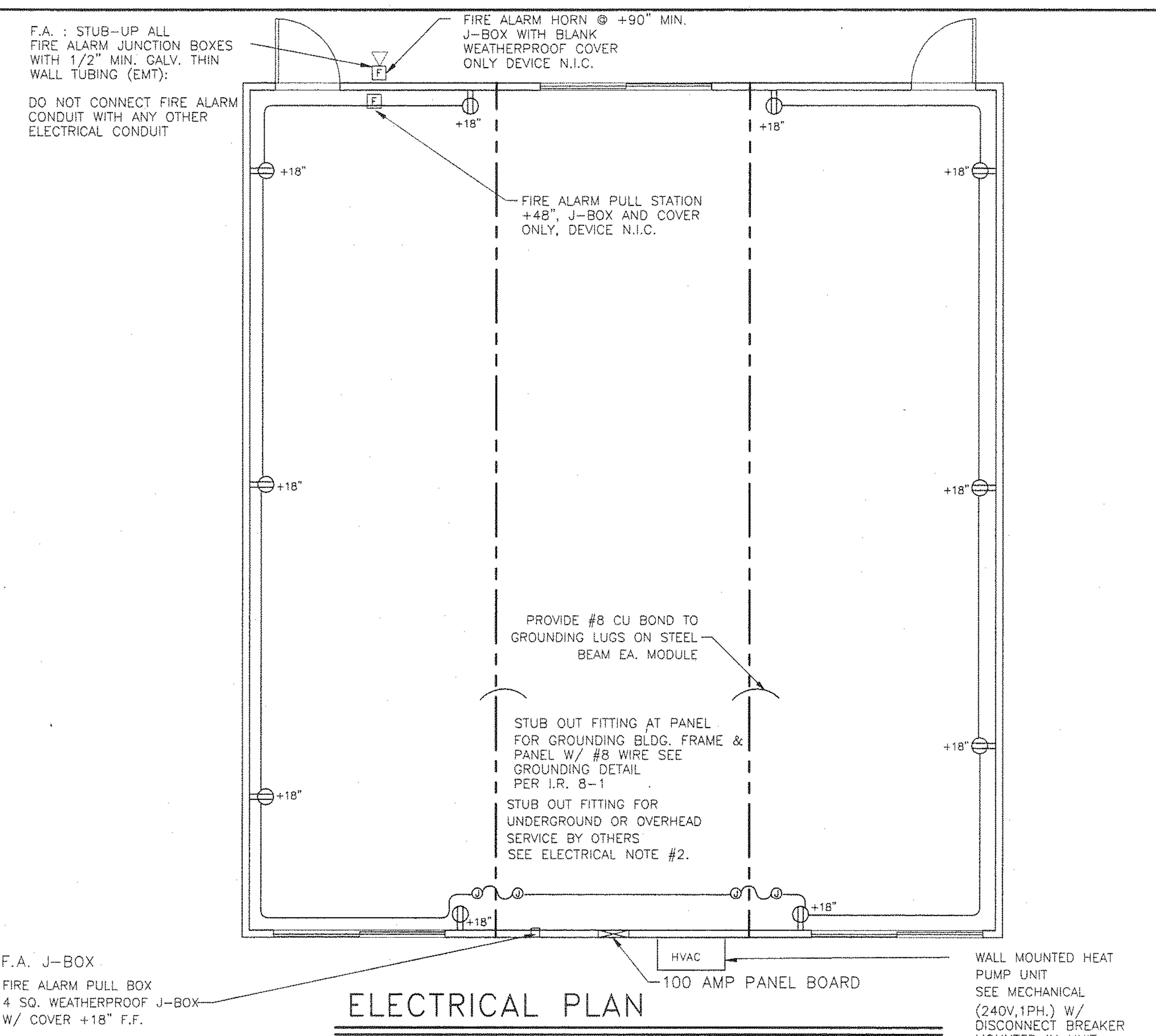
PROJECT No.

SHEET No.
M 1



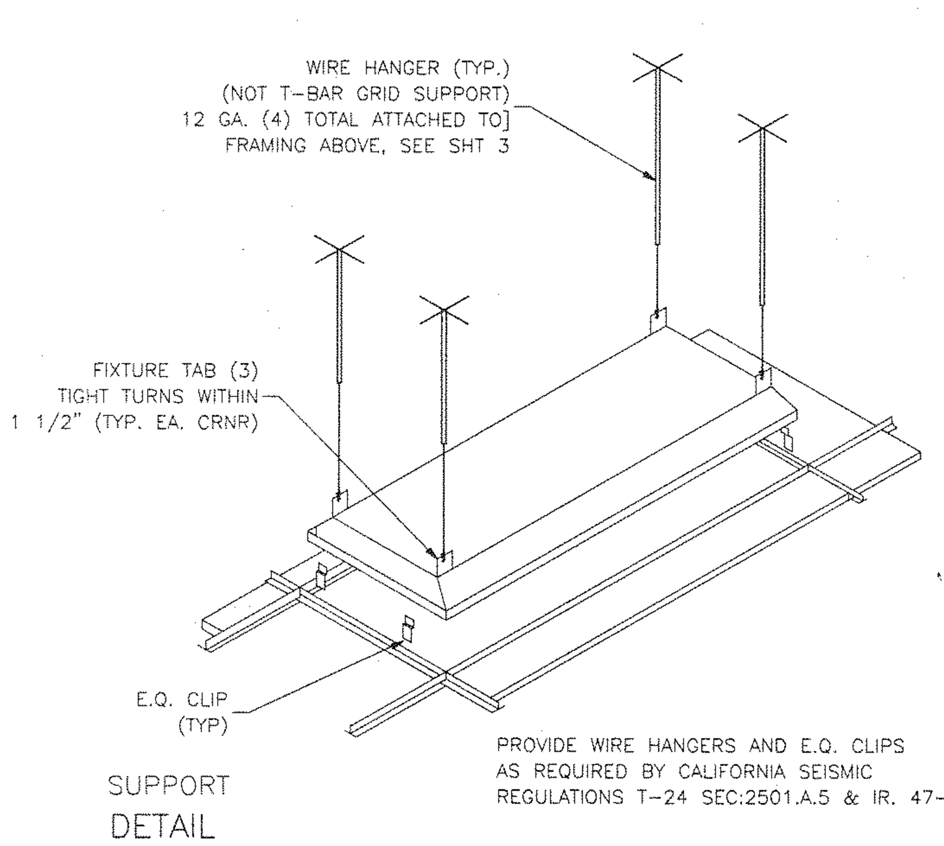
LIGHT FIXTURES

SCALE: 1/4"=1'-0"



ELECTRICAL PLAN

SCALE: 1/4"=1'-0"



PROVIDE WIRE HANGERS AND E.Q. CLIPS AS REQUIRED BY CALIFORNIA SEISMIC REGULATIONS T-24 SEC:2501.A.5 & IR. 47-4

SUPPORT DETAIL

3/4"=1'-0"

The H.V.A.C. unit feeder circuit – panel circuit breaker, feeder wire, unit disconnect and fuses (where used) – is to be coordinated with the name plate data at the time ofmanufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 60 degrees C. wire is to be used in this installation, calculations demonstrating ampacity be provided on the drawing.

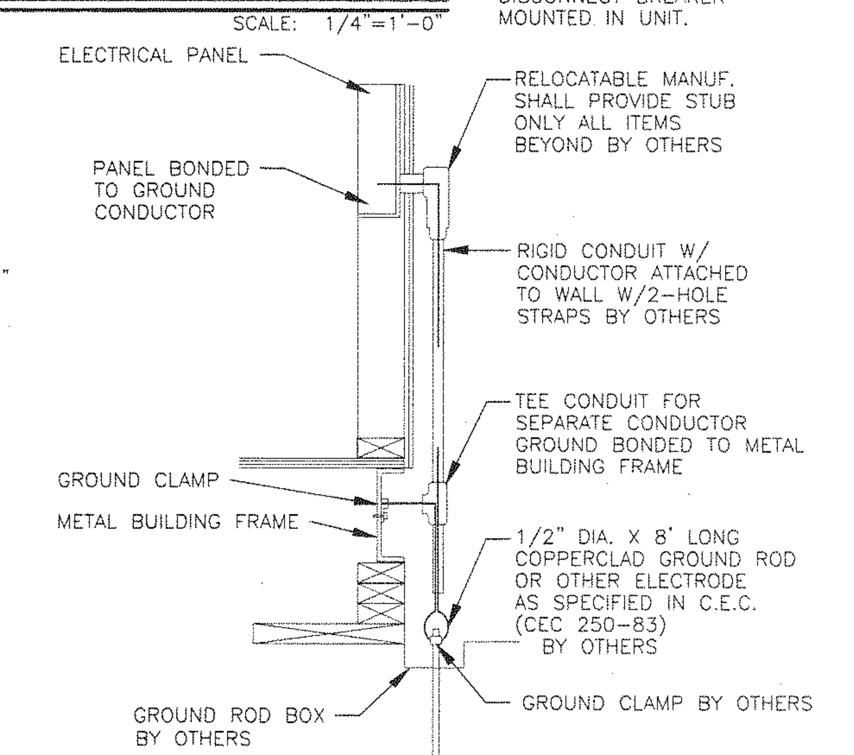
FIRE ALARM
Junction boxes – Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18– above finish floor for future connection.
Covers – Install gasketed, metal, waterproof, finish covers at exterior locations. Install finish covers at interior locations.

ELECTRICAL
1. Electrical service drop and connections supplied by others.
2. Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
3. Electrical panel board shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.
4. 2x4 Flourescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH-12, Carolite, Inc. #C-12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be .125 inch.
5. Flourescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
6. Clock – 12" dial clock on clock outlet.
   A) Clock shall be General Electric model 2912 129V 60 cycle OR EQUAL
   B) Clock outlet shall be Bryant #2828 or equal with seperable hanging clip & app'd recept.

Size of conductors shall comply W/CEC

STANDARD ELECTRICAL SYMBOLS

FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
FLUORESCENT LIGHTING FIXTURE – RESCESSED.
FLUORESCENT LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
DUPLEX WALL CONVENIENCE OUTLETS +18" TO CENTER LINE.
SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1 ",#22 4"X2 "
WALL CLOCK OUTLET WITH POWER OUTLET +84".
a — SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
15 AMP DUPLEX RECEPTACLE +18" TO CENTER LINE.
JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
PANELBOARD – SEE SCHEDULE.
TERMINAL CABINET – SIZE AND TYPE AS NOTED.
CONDUIT CONCEALED IN CEILING OR WALL.
CONDUIT CONCEALED BELOW FLOOR OR GRADE.
HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
INDICATES 1#12 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#12 WIRE CIRCUIT, FOR MORE THAN 2#12 WIRES AS FOLLOWS, 3#12, 4#12 ETC. FOR OTHER SIZES AS FOLLOWS, 3#10, 4#6 ETC.
(A) — FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
N.I.E.S. — ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
MT — ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
[W.E.F.] — WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
50 AMP 250 VOLT RANGE RECEPTACLE.
F — FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
F — FIRE ALARM HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90"
S — SPEAKER– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
INTERCOM TELEPHONE– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"



Size of conductors shall comply W/CEC Table 250-95
Bond separate conductors from ground rod to electrical panel & metal building frame (CEC).
In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available (CEC).
Electrical bond modules together W/#8 CU @ modline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods (CEC) as required. Grounding detail per I-R 8-1.

A / E1 **BUILDING GROUND DETAIL**
N.T.S.

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 760 &CA. FIRE CODE ART. 10.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STAT ARCHITECT.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC 250-94 & 95.
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:
1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA ADMINISTRATIVE CODE TITLE 24 2-5314 (B).
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. ENERGY SAVING BALLAST. (4)35 WATT TUBES, WT. 27 LBS.	156 W	CRESCENT 24TF440DLA
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W TT 2700 K	KENALL 3714 OR LITHONIA 202 2/7PL LP
	INCANDESCENT WALL MOUNTED	150W	TIMELY 813CH

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES.

FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

120/208 VOLT INCOMING POWER IS ACCEPTABLE

VOLTS: 120/240 SINGLE PHASE					PANEL: A						FEED: EXTERIOR LB		
MAIN: 200 AMP MAIN BKR.					LOCATION: INTERIOR						MOUNTING: FLUSH		
LOAD	WATTS A	WATTS B	BRK. AMP	BRK. P	CIR	A	B	CIR	BRK. P	BRK. AMP	WATTS A	WATTS B	LOAD
LIGHTS, FLUORESCENT	1160		20	1	1			2	2	60	4829		A/C HVAC UNIT
LIGHTS, FLUORESCENT		1160	20	1	3			4				4829	" "
DUPLEX RECEPT.	800		15		5			6	2	60	4829		A/C HVAC UNIT
DUPLEX RECEPT.		800	15	1	7			8				4829	" "
DUPLEX RECEPT.	800		15	1	9			10					
SPARE					11			12					SPACE
SPACE					13			14					
					15			16					
					17			18					
					19			20					
					21			22					
PHASE WATTAGE	2760	1960									4829	4829	PHASE WATTAGE
TOTAL WATTS "A"LEG: 7589				TOTAL WATTS A+B= 14378					TOTAL WATTS "B" LEG 6789				
TOTAL WATTS: 14378			65 AMPS		120/240V			SINGLE PHASE				200 AMP BUS.	
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD. SEE SITE ELEC. PLAN.													

ELECTRICAL PANEL -A

36X40 PC
RELOCATABLE
CLASSROOM

American Modular Systems

CUSTOMER:

LIGHT FIXTURE & ELECTRICAL PLAN

DATE:	3-19-98
SCALE:	NONE
DRAWN BY:	R.S.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

SHEET No.
E1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

American Modular Systems Inc.

5-36 X 40 RELOCATABLE CLASSROOMS
MOBILE MODULAR MANAGEMENT

TEST AND INSPECTION LIST

TESTING LABORATORY: ______ DATE: ______

NAME: 5 BUILDING STOCKPILE 48x40 #04-906-512 THRU 516

DISTRICT/OWNER: MOBILE MODULAR MANAGEMENT CORP.

DIVISION-FILE NO. 39-0 APPLICATION NO. ______

ARCHITECT: JOHN H. LAWDER

STRUCTURAL ENGINEER: ______

STATE OF CALFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT

STRUCTURAL TESTS AND INSPECTIONS

ORS 103-1 (R 11/85)

The following tests and inspections, as checked, will be required as detailed in applicable specifications.

COMPACTED FILL	
	Fill material, acceptance tests
	Compaction control, continuous
	Compaction tests only as ordered
	Bearing capacity of compacted fill
REINFORCING STEEL	
X	Sample and test bar steel
	Sample and test mesh
	Inspect placing at job
STRUCTURAL STEEL	
X	Sample and test as detailed below
	Shop fabrication inspection
	Field erection inspection
X	Inspection of welds – Shop
	Inspection of welds – Field
	Inspection of riveting or bolting – Shop
	Inspection of riveting or bolting – Field
	Sample and test high strength bolts and washers
BRICK AND BLOCK	
	Sample and test
	Test only
	Inspection of placing
	Core drill samples
GLUED LAMINATED STRUCTURAL LUMBER	
	Fabrication inspection
	Sample and test steel accessories
	Inspect fabrication of steel accessories

CON-CRETE	GUNITE	GROUT	MORTAR	
				Test of aggregates for mix design only
				Suitability tests of aggregates as detailed below
				Mix designs
				Continuous batch plant inspection
				Inspect placing
				Sample
X				Compressive tests
				Pick up samples at job
				Samples delivered to laboratory
				Deliver sample forms to jobsite
				Sample and test cement

SUITABILITY TESTS	CONCRETE MATERIALS	GUNITE	MORTAR	GROUT
Sodium sulphate				
Structural strength				
Los Angeles rattler				
Clay (Hydrometer method)				
Reactivity tests				
Volume change				

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH, PSI, MINIMUM					
		28 DAYS					
CONCRETE	1 1/2"	2500					
CONCRETE	1 1/2"	3500					

List of structural steel members to be tested:

3 1/2" x 3 1/2" x 1/4" SQ. COL.
C7X9.8
10 ga. & 12 ga. ROOF CEE
6 7/8" X 14 ga. FL. JOISTS
6 7/8" x 12 ga. ALT. FL. JOIST
6" x 14 ga. ROOF JOIST
4" x 12 ga. ROOF JOIST
3 1/2" x 10 ga. ALT. ROOF JOIST
2" x 16 ga. STRAPS
3" x 18 ga. ALT. STRAPS

TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2231.A.1

Other Tests and Inspections, together with special instructions:

GROUNDING TEST
EXPANSION ANCHORS
EPOXY ANCHORS

Copies of Reports to:

DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: ______
AUTHORIZED REPRESENTATIVE

INDEX

BUILDING DATA
CLASSROOMS
SERIAL #04-906-512 THRU 516

OCCUPANCY	E-1/B → B OCCUPANCY USES TO MEET THE REQUIREMENTS OF CBC TABLE 3-A AND CBC TABLE 5-A
TYPE OF CONSTRUCTION	V - NON-RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS./SQ. FT.
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE) THIS STRUCTURE IS DESIGNED TO SUPPORT A FIRE SPRINKLER SYSTEM
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	1440 SQ FT
CLIMATE ZONES	1-16

2001 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

2001 CALIFORNIA BUILDING CODE, VOLUMES 1, 2 AND 3 (PART 2, TITLE 24, CCR)
(1997 EDITION UNIFORM BUILDING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
(1999 EDITION NATIONAL ELECTRICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
(2000 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
(2000 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2001 CALIFORNIA ELEVATOR SAFETY CONSTRUCTION CODE (PART 7, TITLE 24, CCR)

2001 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)

2001 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

NFPA 13, 1999 EDITION, THE INSTALLATION OF AUTOMATIC SPRINKLER SYSTEMS, AS AMENDED

NFPA 14, 2000 EDITION, INSTALLATION OF STANDPIPE, PRIVATE HYDRANT AND HOSE SYSTEMS

NFPA 24, 1995 EDITION, INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES

NFPA 72, 1999 EDITION, NATIONAL FIRE ALARM CODE, AS AMENDED

MODULES	MOMENT-RESISTANT
SYSTEM	(3) 12' X 40' MODULES
FOUNDATION	WOOD
SEISMIC	ZONE 4 SEISMIC SOURCE A DISTANCE FROM SEISMIC SOURCE ≤ 2 KM SOIL TYPE S^D

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CBC 2001

FILE NO. 39-0

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106185
AC. AAF FLS. GE SS
DATE 4/20/04

REGISTERED PROFESSIONAL ENGINEER
JOHN H. LAWDER
No. 2310
STRUCTURAL
STATE OF CALIFORNIA

BASED ON PC 04-104925

JOB NO.	
DATE: APRIL 14, 2004	
SHEET NUMBER	TS-1
BINDING ORDER	1

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

1. GENERAL

A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.

B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

2. SCOPE OF WORK

A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE,MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.

B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING,MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
13. THE MANUFACTURER OF BUILDING IS TO PLACE TWO PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.

FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.

14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL. APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.

NOTE:THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 16-1, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

3. WORK NOT INCLUDED

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.

B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM,INTERCOM SYSTEM,TV,TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.

4. WHEELS AND HITCH
SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. ACCESSIBILITY OF SITE
THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS,FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

TRIM/ FINISH NAILING

DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 1/4"	GALV
CASING, SILL & INT. CORNER TRIM	X	16g	1 1/4"	N
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

SECTION 5 STEEL

A. GENERAL – ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS,TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES. CBC SECT. 2213A.4.1 SEE 1/S4

B. WELDING – ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE OFFICE OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24,PART 2,CCR, SECTION 2231A.5 WELDING ELECTRODE SHALL BE E70XX.

1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36. UNLESS OTHERWISE NOTED.
2. PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.

C. ERECTION – STRUCTURAL STEEL ERECTED TRUE,STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.

D. NAILS,BOLTS, SCREWS AND NUTS ETC.– FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.

1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER.

E. HANDRAILS – FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.

F. SHOP PAINT
1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

G. TESTS
1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2,CCR SECTION 2231.A.1.

SECTION 6A CARPENTRY

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL CARPENTRY

2. MATERIALS
LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 17" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER,3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B.. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-95 FOR SOFTWOOD PLYWOOD,OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH UBC STANDARD 23-2. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.

A. JOISTS, PLATES, STUDS–DOUGLAS FIR S4S #2 U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.

B. HEADERS,POSTS AND TIMBERS–DOUGLAS FIR S4S #1

C. BLOCKING – DOUG FIR #3,OR HEM FIR #3,OR STD. & BET.

D. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE,MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811? EACH PIECE SHALL BEAR AWPB STAMP. LP-22 GROUND CONTACT,D.F.#2 ABOVE GROUND.

E. PLYWOOD ROOF DECKING – SEE A/S3

F. PLYWOOD FLOOR DECKING – APA STURD-I-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8"NOM. OR EQUAL. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE.

G. EXTERIOR SIDING/SHEATHING – APA TYPE 303,EXTERIOR. OR HARDIPANEL FIBER CEMENT SIDING AS MFG. BY JAMES HARDIE BUILDING PRODUCTS NER-405 REPORT

H. MOISTURE BARRIER – KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 17-1 FOR KRAFT, 32-1 FOR FELT.

J. STUDS – S4S DOUG FIR #2. #2 HEM FIR. MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF INSTALLATION.

K. FASTENERS – ALL NAILS SHALL BE CORROSION RESISTANT PER C.B.C. COMMON NAILS FOR EXT. SIDING & FNDN. ONLY

L. BUILDING TRIM – 2X RESAWN SELECT D.F.,H.F.,OR CEDAR

M. DOOR/WINDOW TRIM – 1X4 REWAWN D.F.,H.F.,OR CEDAR.

N. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.

O. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.

P. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.

Q. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".

3. WORKMANSHIP

A. FRAMING – SECURELY NAILED,BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBELED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.

B. NAILING – IN ACCORDANCE WITH TITLE 24, CALIFORNIA BUILDING CODE,TABLE 23A-11-B-1

C. EXTERIOR WALLS – FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS,SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.

D. MACHINE APPLIED NAILING:
USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

E. MOISTURE BARRIER – APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS. SHEATHING APPLIED OVER MOISTURE BARRIER.

F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B SHEET METAL

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.

2. MATERIALS
A. INSULATED SHEET METAL – STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
B. SOLDER – OF STAND,GRADE "A" OF EQUAL PARTSARD BRAND LEAD AND TIN ASTM B32.
C. FLUX – ZINC SATURATED MURIATIC ACID.
D. GUTTERS: 26 GA. G-90 GALV. STEEL.
DOWNSPOUTS: 2"X3" CONVOLUTED 30 GA. G-90 GALV. STEEL.
GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL.
GUTTER CLIPS: 18 GA. G-90 GALV. STEEL

3. WORKMANSHIP
SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES. CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.

2. MATERIALS
A. ROOFING – 3 INCH STANDING SEAM 22-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
B. ROOFING: CLASS B FIRE RATING

SECTION 7J SEALANT

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIAL AND SERVICES TO SEAL BUILDINGS.

2. MATERIALS
VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.

3. WORKMANSHIP
SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION CONCRETE CONCRETE (IF USED)

1. CONCRETE MORTAR AND RELATED MATERIALS TO CONFORM TO APPLICABLE PROVISIONS OF TITLE 24 EXCEPT AS MODIFIED HEREIN.
2. REINFORCING BARS:ASTM A615 OR ASTM A706 DEFORMED GRADE 40 BILLET STEEL.
3. EXPANSION JOINT FILLER: ASTM D994
4. FORM MATERIALS: SIDE FORMS DOUGLAS FIR, CONSTRUCTION GRADE OR BETTER: OR METAL FORMS.
5. PLACING REINFORCEMENT, PLACING CONCRETE SUFACE FINISHES, CURING AND REMOVAL OF FORMS SHALL BE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF TITLE 24.

ACCESSIBILITY STANDARDS

CALIFORNIA BUILDING CODE (PART 2, TITLE 24, CCR)
SEC. 1103B.1 BUILDING ACCESSIBILITY, GENERAL.
The 2001 CBC REQUIRES THAT BUILDINGS EXCEEDING 10,000 SQUARE FEET ON ANY FLOOR MUST HAVE AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR, OR LIFT WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH STAIR AND EACH ESCALATOR.
TABLE 1115B-1 SUGGESTED DIMENSIONS FOR CHILDREN'S USE.
The 2001 CBC REQUIRES A 27" MINIMUM DIMENSION FOR LAVATORY/SINK KNEE CLEARANCE, WHICH IS THE DISTANCE FROM THE FINISH FLOOR TO THE UNDERSIDE OF THE LAVATORY/SINK.
SECTION 1115B.7.1 (3) ACCESSIBLE WATER CLOSET COMPARTMENT.
The 2001 CBC REQUIRES AN ACCESSIBLE TOILET STALL TO HAVE A MINIMUM WIDTH OF 60".
SECTION 1115B.6.2.4.1 WATER CONTROLS
The 2001 CBC REQUIRES THAT THE FORCE TO OPERATE A WATER CONTROL (VALVE) FOR AN ACCESSIBLE SHOWER SHALL NOT EXCEED 5LBS. MAXIMUM FORCE (PULL).
Section 1117B.5 Signs and Identification (also refer to Sections 1003.2.8.1, 1003.2.8.2, 1003.2.8.4, 1003.2.8.5, 1003.8.6, 1003.2.8.8.1, 1003.3.3.13.1, 1003.3.1.10.)
The 2001 CBC makes several general design changes and clarifications to signage.
*All ground floor exit door shall have tactile exit signage.
*At stairs, each floor shall receive tactile "stair level" signage in addition to special tactile at the exit discharge level.
*Each exit door that leads to a grade level exit by means of a stairway shall have tactile exit signage.
*Each exit access door to a corridor or hallway that is required to have a visual exit sign shall be identified by tactile exit signage.
Section 1129B.4 (1), (2), (3) Accessible Parking Required.
The 2001 CBC requires the words "NO PARKING", in 12" height white letters, to be painted on the pavement within all parking space access aisles. Van parking access aisles shall be placed on the passenger side of the vehicle. Ramps may not encroach into any required access aisle. Parking space access aisles shall not exceed 2% slope in any direction.*
*Existing Sites:
At existing sites, any ramp which exceeds a 2 ... access aisles for accessible parking spaces per CBCS Section 1129B, may required removal and redesign per the path of travel (POT) provisions of CBCS Section 1134B, in order to approve the building placement.
Section 1133B.2.5 Closer Effort to Operate Doors.
The 2001 CBC requires that the effort to open an exterior door shall not exceed 5 pounds (pull). + INTERIOR
The 2001 CBC requires that the sweep period of accessible doors shall be 3 seconds maximum, based on an open door position of 70 degrees (from closed), to a door position of 3" from the latch.
Sections 1133B.2.4.5 & 1133B.2.5.3 Recessed Doors.
The 2001 CBC requires that doors recessed 8" or more shall have strike edge clearances in accordance with Figure 11B-33 (a).
Section 1133B.4.2.6.2 Handrail Orientation.
The 2001 CBC specifies that at least one handrail shall be parallel to the direction of the stair run, and perpendicular to the edge of the stair nosing.
Section 1133B.4.4.5 Ramp Width.
The 2001 CBC requires that sign edges less than 80" above the finished floor must contain rounded or eased radius minimum of 0.125"
California Building Standards Administrative Code (Part 1, Title 24, CCR)
Chapter 5, Articles 2, 3, & 4; California Building Code (Part 2, Title 24, CCR) Sections 1102A.3-C, 117A.4.7, 1102B, 1127B.5 (8), 1131B.4, 1133B.4, 1133B.8.5).
Detectable Warnings.
The 2001 CBCSAC requires that detectable warnings shall be evaluated and approved by DSA, and that only DSA-approved products shall be installed. Refer to the DSA Bulletin: Independent Entity Evaluation and Approval of Detectable Warnings and Directional Surfaces dated October 31, 2002.
The project plans or specifications shall indicate the requirement that the manufacturer shall provide a written five-year product warranty, in accordance with the Bulletin.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.

2. MATERIALS
A. DOORS – LABELED, INSULATED TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY,18 GA. 1 3/4" THICK PER CS242 MIN. REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
B. FRAMES – LABELED 16 GA COLD ROLLED,2" FACES, CS242 MIN.3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX,PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.

3. WORKMANSHIP
ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARDP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP,WAVE,BUCKLE OR OTHER DEFECTS AFTER FABRICATION,DOORS AND FRAMES CLEANED THOUROUGHLY,ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

FINISH HARDWARE
SEE SHEET 1

SECTION 9E PAINTING

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.

2. MATERIALS

A. FOR EXTERIOR WOOD:

REF.BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	42-9M	1240	Y24W20	289-N
FINISH	QD-60-XX	1240-XXX	B54WZ102	GE2-NXX

B. FOR INTERIOR TRIM

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
FINISH	W450-XX	1650-XXX	A26W11	40XX

C. FOR METAL

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	43-4	1710	B50NZ6	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX

3. WORKMANSHIP
ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.

A. EXTERIOR – WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX – APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.

B. INTERIOR TRIM – TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.

C. INTERIOR HARDWOOD CABINETS – TWO COATS LOW LUSTER POLYURETHANE FINISH: APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.

D. METAL – ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.

E. RAMP – ONE COAT OF FERROX NON-SLIP (0.7 MIN. C.O.F.) SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE. ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A DATED JULY 1989. OR EQIAL.

F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.
THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT. UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

2. ASSEMBLY OF ELEMENTS
A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT,(APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

WALL FINISH MATERIAL
FLAME SPREAD MAX = 200
SMOKE DENSITY MAX = 450
BUILDING INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

SECTION 15A AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES)
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.

2. EQUIPMENT
SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.

3. WORKMANSHIP
UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS,LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.

2. MATERIALS
ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
A. ELECTRIC METALLIC TUBING – COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX- GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
B. PANELBOARDS – FLUSH MOUNTED.
C. CONDUCTORS – COPPER,INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES.MINIMUM SIZE- #14.
D. RECEPTACLES – AS NOTED. +18" A.F.F. MIN.
E. CLOCK RECEPTACLE – AS NOTED.
F. SWITCHES – AS NOTED. +48" A.F.F. MAX.
G. LIGHTING FIXTURES – AS NOTED ON THE DRAWINGS.

3. WORKMANSHIP
MATERIALS AND EQUIPMENT INSTALLED IN A SECURE,NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.
BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR(N.I.C.).(FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

1. IN-PLANT INSPECTION.
2. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SSS-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT,IF NECESSARY.
THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF AY MODULE.
ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CO... BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTR... RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE ... WHICH THEY PERFORM. ALL MATERIALS USED,UNLESS OTHERWISE SPECIFIED,SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

GENERAL DESIGN REQUIREMENTS:

THREE (3) APPROXIMATELY 12' X 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"X1 -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

1. MANUFACTURER'S BUILDING NUMBER.
2. DESIGN WIND LOAD / EXPOSURE
3. DESIGN ROOF LIVE LOAD
4. DESIGN FLOOR LIVE LOAD
5. D.S.A. APPLICATION NUMBER.

2-TAGS PER MODULE ONE ON EXTERIOR AND ONE ON MODULE BEAM AT FRONT OF BUILDING ABOVE CEILING.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATIONS IS ACCEPTABLE.) WHEN MODULES ARE ASSEMBLED JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS OR OTHER METHOD TO PRESENT A FINISHED APPEARANCE AND BE PERMANENTLY WATERPROOF.

EACH 12' X 40' MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE OR THE MODULE SHALL HAVE LIFT LUGS AT FRONT AND BACK LOCATED AS REQUIRED SO THAT THE MODULE MAY BE JACKED UP FOR RELOCATION IN ONE PIECE WITHOUT ADDITIONAL SUPPORTS OF ANY TYPE. EVIDENCE OF EXCESSIVE BOWING DURING THE INSTALLATION OF THE MODULES WHICH, IN THE OPINION OF THE AGENCY ARCHITECT OR STRUCTURAL ENGINEER, CAUSES EXCESSIVE WORKING AT ANY JOINT OR COMPROMISES THE STRUCTURAL INTEGRITY OF THE MODULE SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FINISH AND BASE MATERIALS AT EACH MODULE SHALL TERMINATE AT INTERIOR MODULE JOINTS IN A MANNER TO JOIN FLUSH AND TIGHT WITH SAME MATERIAL IN ADJACENT MODULE SO THE MODULE MAY BE RELOCATED WITH MINIMUM CUTTING AND PATCHING.

DIMENSIONS

THE BUILDINGS SHALL OCCUPY AN AREA OF 1440 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. THE BUILDINGS SHALL BE 36' X 40'. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT. LINER DIMENSIONS SHALL BE VERTICAL TRIM FINISH LINE TO VERTICAL TRIM FINISH LINE.

FASCIA AND REQUIRED OVERHANGS ARE NOT INCLUDED IN THE CALCULATION OF THE SQUARE FOOTAGE THE BUILDING OCCUPIES. THE ENTRANCE WALL SHALL HAVE A 5' MINIMUM ROOF OVERHANG. THE REAR WALL SHALL HAVE A MINIMUM 2' OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED ON THE SIDES OF EACH OVERHANG AND EACH ROOF EDGE WHERE DRAINAGE OCCURS. THE INTERIOR HEIGHT,FLOOR TO CEILING SHALL BE 8'-6" U.O.N. THE MODULE SHALL BE CLEAR SPAN TYPE EXCEPT AS PROVIDED FOR IN THE BID SPECIFICATIONS NOTHING SHALL PROTRUDE MORE THAN 1" BELOW THE CEILING LEVEL.

ITEMS NOTED AS N.I.C. (NOT IN CONTRACT) OR "BY OTHERS" IS THE RESPONSIBILITY OF THE SCHOOL DISTRICT DEPENDING ON THE AGGREEMENT WITH DISTRICT.

IN THE EVENT OF CONFLICT BETWEEN THESE SPECIFICATIONS AND THE DISTRICT BID SPECIFICATIONS, THE DISTRICT SPECIFICATIONS SHALL PREVAIL.

REGISTERED PROFESSIONAL ENGINEER
No. 2310
Exp. 3-31-05
STRUCTURAL
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 106185
AC ___ FLS ___ SS ___
DATE 4/20/04

FILE NO. PC
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 02-104925
AC ___ FLS ___ SS ___
DATE JUL 31 2003

36 X 40 PC
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

LICENSED ARCHITECT
No. C 12631
Ren. 5-31-05
STATE OF CALIFORNIA

CUSTOMER:

GENERAL NOTES AND SPECIFICATIONS

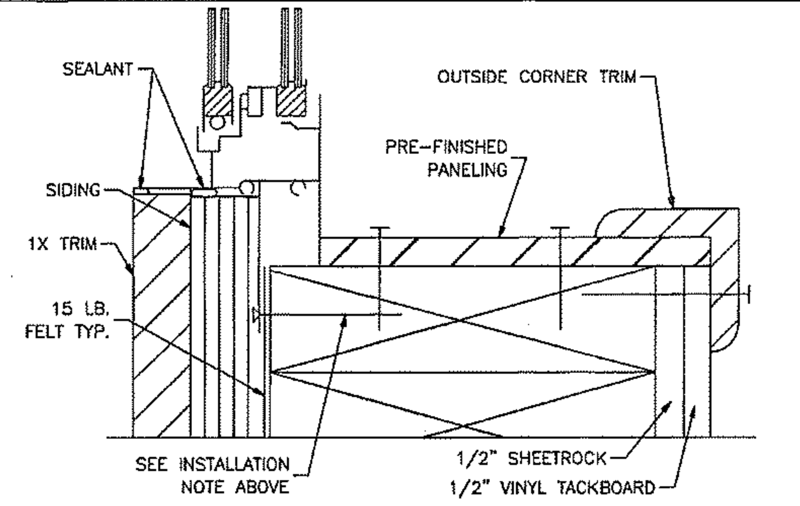
DATE:	04-28-03
SCALE:	NONE
DRAWN BY:	Y.A.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

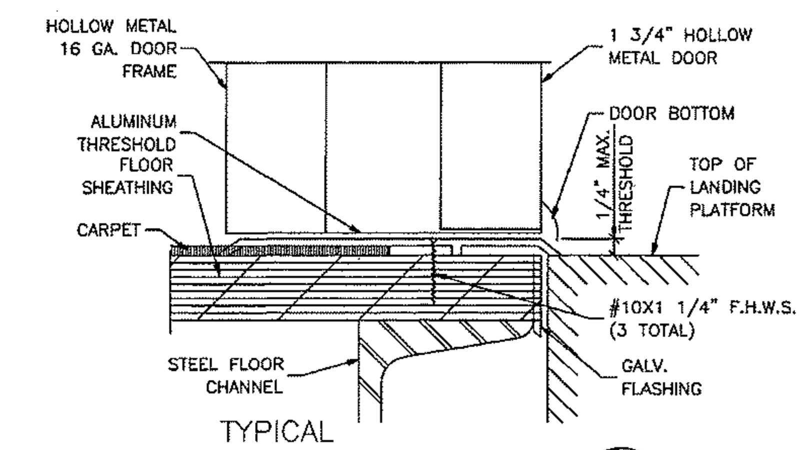
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

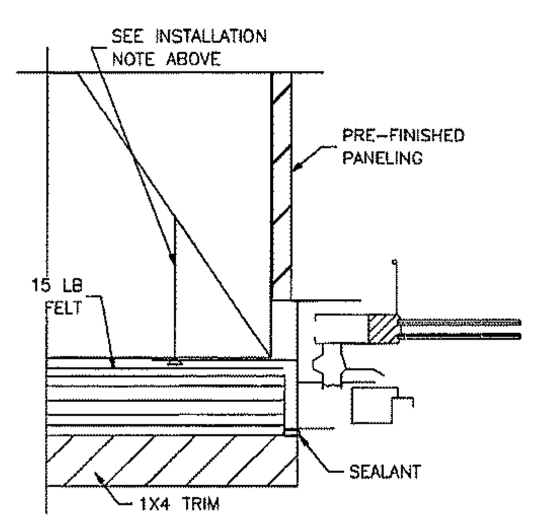
SHEET No.
N-1



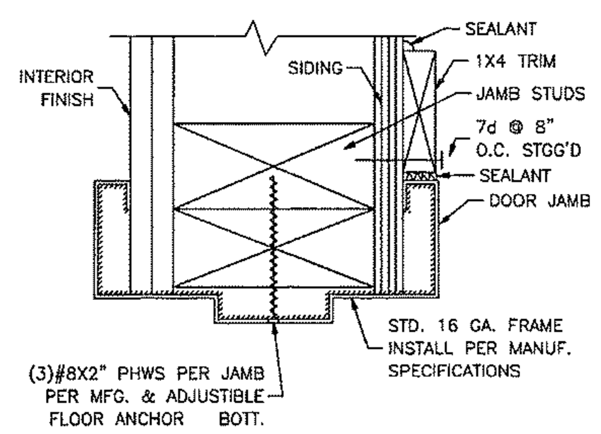
WINDOW SILL DETAIL 1/1
NO SCALE



TYPICAL EXTERIOR DOOR SILL 4/1
NO SCALE



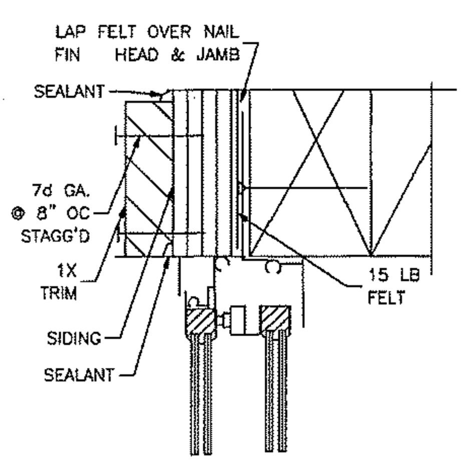
WINDOW JAMB 2/1
NO SCALE



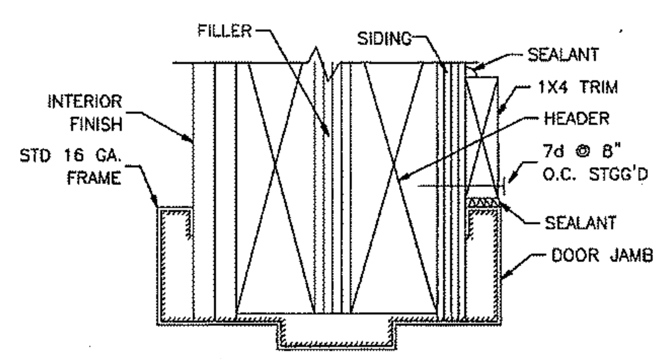
TYPICAL EXTERIOR DOOR JAMB 5/1
NO SCALE

NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.

1:12 MAX SLOPE



TYPICAL WINDOW HEAD 3/1
NO SCALE



TYPICAL EXTERIOR DOOR HEAD 6/1
NO SCALE

NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.

CAPACITY POSTING
C.B.C. SECTION 1002.3
TITLE 19 C.C.R., SECTION 3.30
THIS ROOM SHALL BE POSTED WITH A DURABLE SIGN NEAR THE MAIN EXIT FROM THE ROOM. THE SIGN SHALL BE WORDED AS FOLLOWS:

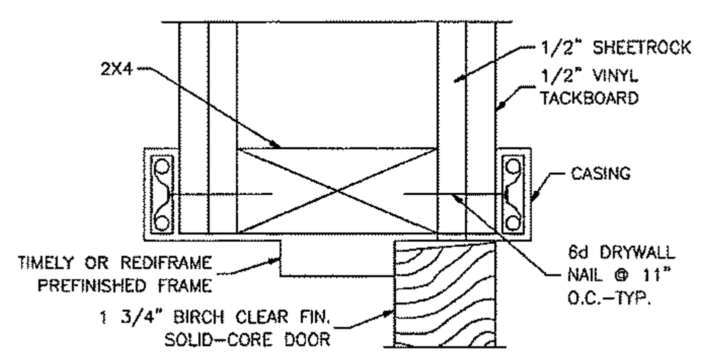
1'-6"
8"
+5'-0"

THE NUMBER OF PEOPLE PERMITTED IN THIS ROOM SHALL NOT EXCEED
BY ORDER OF THE STATE FIRE MARSHAL.

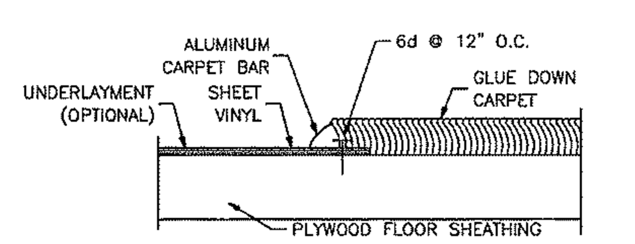
TYPESTYLE: 1" HIGH BLOCK
1/16" THICK ENGRAVED PLASTIC
MOUNTING: (4)#8x1" SCREWS.

OCCUPANT LOAD SIGN

THIS SIGN WILL ONLY BE USED IF REQUIRED FOR SPECIFIC APPROVAL.

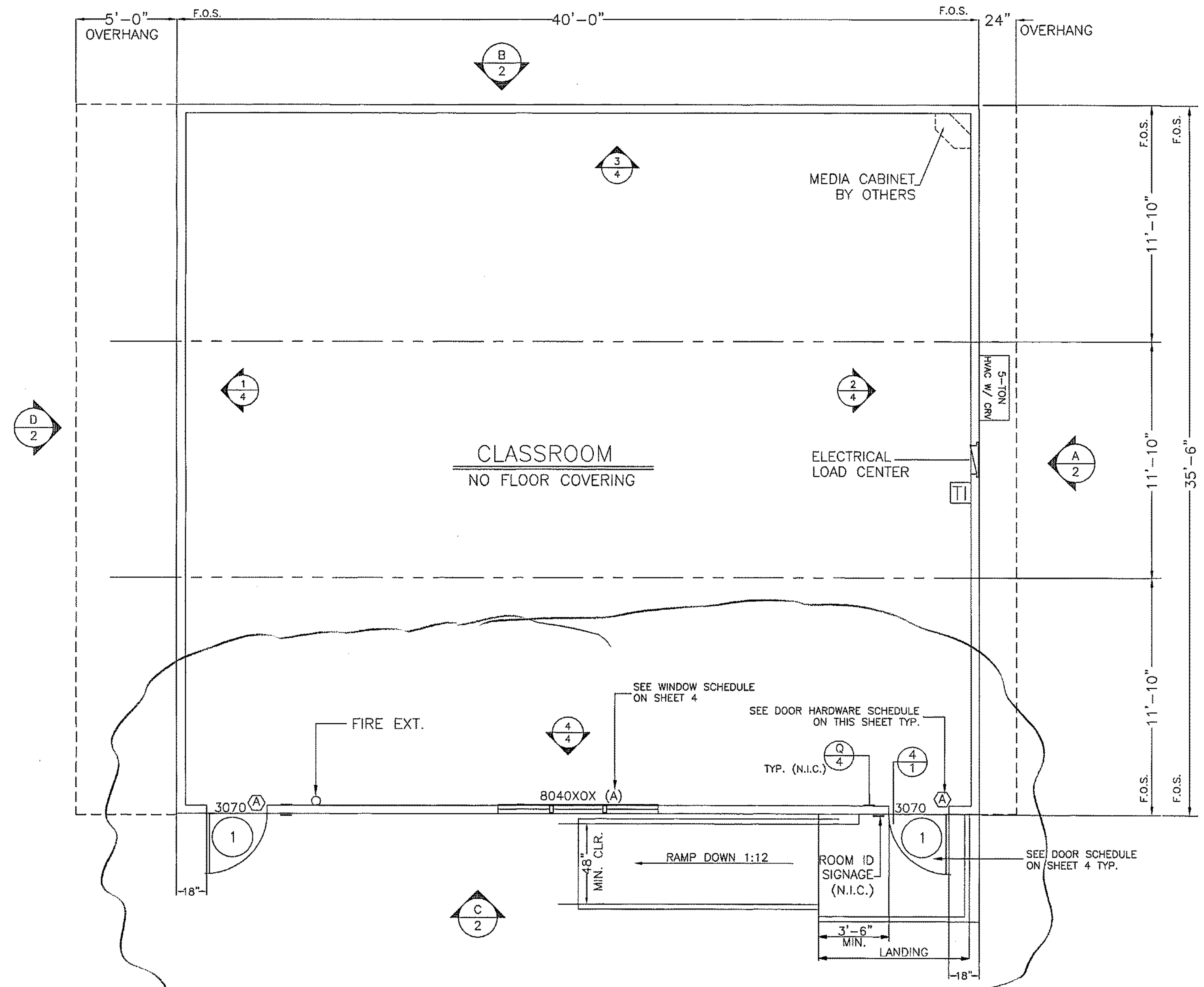


TYPICAL INTERIOR DOOR HEAD/JAMB 7/1
NO SCALE



FLOORING DETAIL 8/1
NO SCALE

TYPICAL EXTERIOR WINDOW INSTALLATION NOTE:
SEE MANUF. SPECS FOR INSTALLATION
USE .131" X 2 1/2 " @ 16" O.C. VERTICALS
USE .131" X 2 1/2" @ 24" O.C. HORIZONTALS



FLOOR PLAN A 36'x40'
SCALE: 1/4" = 1'-0"

To Be Reviewed Based on Site Conditions

NOTES
INTERIOR
1. Floor: Carpets – Units shall [illegible] indicated on floor plan with [illegible] type per State of California [illegible] Group 1, Type A, Class 26. [illegible] Architect after award of bid. [illegible] 4600 minimum. Pile yarn sh[illegible] cross seams shall be allowed[illegible]

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SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

2. Base: Resilient Cove Base – [illegible] rubber, 1/8" thick, 4" high, moulded top set Cove: Provide preformed base for square external corners and preformed end stops where base does not abut. Solid color as manufactured by "Johnsonite Co." , Flexco, or equal. Apply cove to complete perimeter of classroom.

3. Interior walls shall be vinyl covered tackboard(u.o.n.) applied in one continuous length from floor to ceiling. The tackboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The board shall be asphalt free, shall have an ironed-on coating and shall have a minimum density of 18 lbs. per ft. The vinyl coating shall be made of virgin vinyl calendered base color, weighing a minimum of 8 oz. per square yard. The coating backing shall be sheeting or non-woven fabric. The vinyl coating shall be mechanically laminated, with the long edges wrapped, to the tackboard. Tackboard shall be applied over 1/2" sheetrock or plywood sheathing. The vinyl wall covered panel shall have a Class III flame spread rating. The panel shall be approved for classroom use by The California State Fire Marshal. Reference brand: Vinyl covered tackboard as manufactured by Chatfield-Clarke or comparable. Care shall be taken in mounting the tackboard so that the texture of all panels will have the same orientation and color match.

4. Ceiling: Suspend T-Bar System, see sheet 3 for details etc. Materials and installation per CBC 2501.A.5 and IR #M-3 inclusive as applicable to classrooms.

DOORS & WINDOWS

Exterior Doors: Metal Doors – 3'-0"x7'-0" hollow metal door construction of 1 sheet of 18 ga. steel assembled per CS242 min and reinforced with 20 ga. min. continuous vertical steel stiffeners spaced @ 6" O.C. Fill spaces between stiffeners with mineral wool or other insulation. (Reinforce both faces for closure) provide flush top on doors. Hardware reinforcement shall be 10 ga. min for hinges, door frame shall be 16 ga. pressed steel frame ASTM A366 & C5242. Hardware reinforcement shall be 10 ga. plate. Frames shall be designed with integral stop and trim. Provide (3) anchors per jamb plus adjustable floor anchor.

Interior Doors: 3'-0"x7'-0" Birch clear finish solid core door.

Exterior Windows: Provide anodized aluminum frame 5/8" minimum dual pane window units, as shown on floor plans. The 5/8" dimension is the minimum thickness for the dual glazed window panel consisting of two lights of glass and the air space. Glazing material shall be:

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 45% maximum.

Interior Lite – 1/8" minimum clear tempered.

Minimum air space shalle be 1/4".

Space – Bent or sealed corner aluminum with desiccant fill

Sealer – Butyl primary seal and polysulfide of silicone secondary seal.

Certification – All glazing to be certified in accordance with ASTM E-773, E-774.

Header height shall be the same as the door. All operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the AAMA GS101-88 voluntary spec. For aluminum prime windows and sliding glass (ANS1), commercial grade.

DOOR HARDWARE SCHEDULE	
A	EXTERIOR DOOR PANIC BAR W/ PULL ON EXTERIOR VON DUPRIN 22Lx230NL
B	INTERIOR PASSAGE LOCK SCHLAGE AL10 W/ SATURN LEVER
C	INTERIOR PRIVACY LATCH SCHLAGE A40S W/ SATURN LEVER

Exterior Door
A) Hinges: Hager 4-1/2X4-1/2 butts, BB1279 US26D,1-1/2 pair each door with set screw in barrel and ball bearing design
C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal. (5 lbs. max. pressure)
D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 299D, Ultra WS007, at door jambs and head or equal.
E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.

FIRE EXTINGUISHER
1. Each portable classroom shall be equipped with pressure type fire extinguishers with 2AIOBC UL rating. To be mounted on the interior wall of the building near the doorway(s) at a height of 4 feet to mounting bracket. Fire extinguishers shall be totally charged and have a dial indicating the state of charge.

CHALKBOARD SPECIFICATIONS
Chalkboards shall have green facing sheet suitable to accept white or yellow chalk and felt erasers.

Markerboards shall be 5 mil thick melamine facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated, using hot melt adhesive, to a medium density particleboard substrate with a minimum density of 45#/c. ft. The panel shall have a foil backing. The panels shall have extruded aluminum molding and chalkrail with a minimum of 2-15/16" projection from the face of the panel. A full length map rail shall be provided with cork insert and end stops. The map rail and chalkrail are to incorporate a channel to wrap around the panel. Three (3) map hooks, with clips, perpanel shall be provided. One flag holder, 1/2" size, shall be provided for each classroom. Each classroom shall be 2 ea. 4x8 panels installed side by side to make a 4x16 panel, centered on one of the long walls. Referenced brand: Chatfield-Clarke Co. series 500. Attach directly to studs and blocking W/#8x3" oval head wood screw @ 32" o.c. horizontally and @ 24" o.c. vertically.

REGISTERED PROFESSIONAL ENGINEER
[illegible] H. LAW[illegible]
No. 2310
Exp. 3.31.05
STRUCTURAL
STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02106185
AC. [illegible] FLS. [illegible] SS [illegible]
DATE 4/20/04

BASED ON PC 02-104925

36 X 40 PC
RELOCATABLE
CLASSROOMS

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-512 THRU 516

FLOOR PLAN & NOTES

DATE: 04-08-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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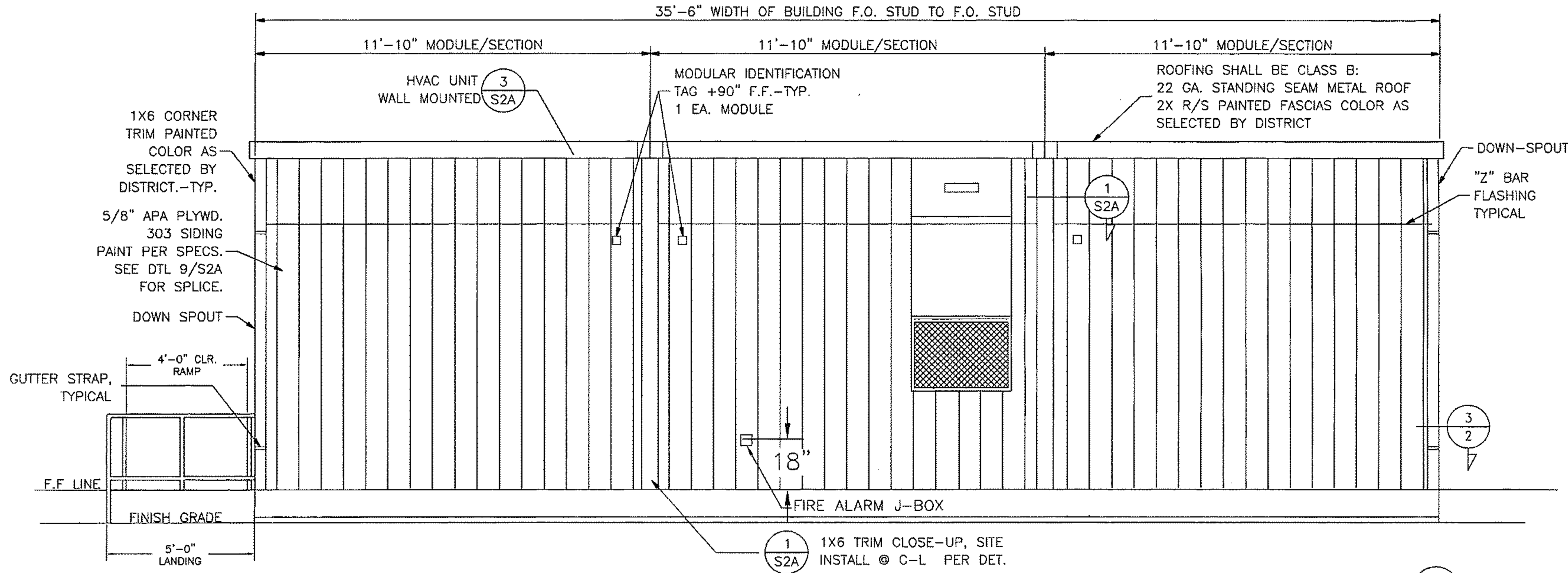
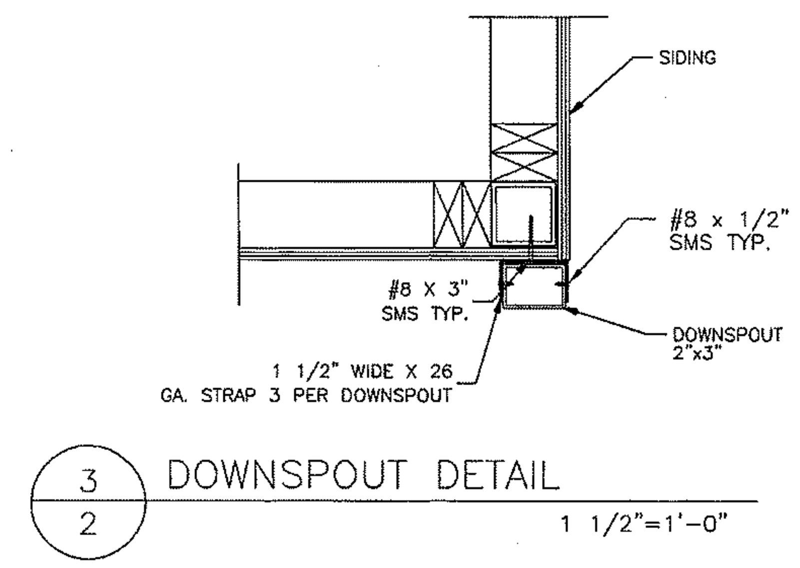
PROJECT No.

SHEET No.
1



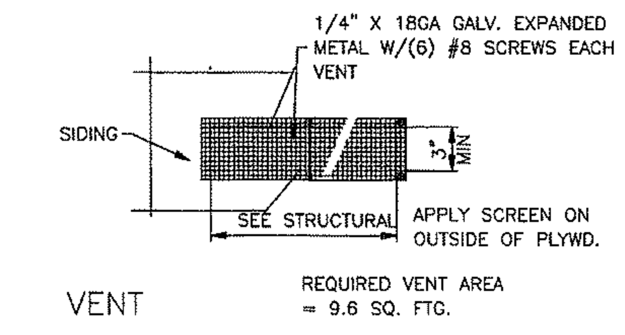
REAR ELEVATION (A)

SCALE: 3/8"=1'-0"



3/2 DOWNSPOUT DETAIL

1 1/2"=1'-0"



VENT DETAIL

NO SCALE

SEE SHT. S1A, S1B OR S1C FOR NUMBER OF VENTS AND LOCATIONS. THIS DETAIL IS FOR WOOD FOUNDATIONS ONLY.

1/4" X 18GA GALV. EXPANDED METAL W/(6) #8 ... VENT. ALSO SEE S... APPLY SCREEN O... OUTSIDE OF PLYW... REQUIRED VENT A... = 9.6 SQ. FTG.

UNDER FLOOR VENTING

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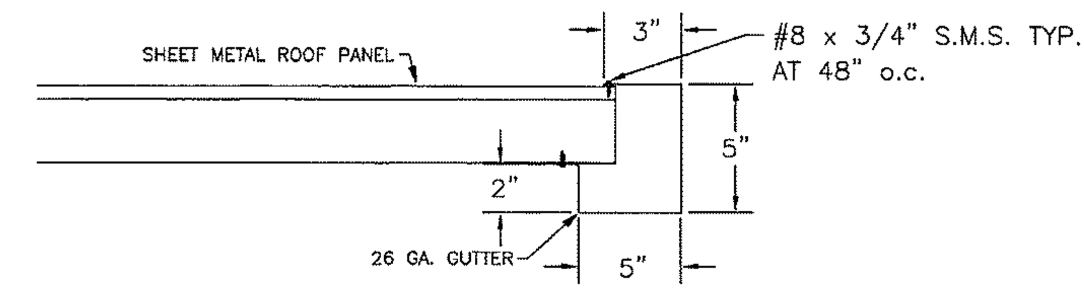


GUTTER: 26 GA., G-90 GALV. STEEL, FASTENED W/ #8 x 3/4" S.M.S. @ 48" O.C. MAX.
DOWNSPOUT: 2"X3" G-90 30 GA. CONVOLUTED GALV. STEEL.
DOWNSPOUT STRAPS: 26 GA. STEEL X 1 1/2" WIDE ATTACHED TO BLDG. MAX. 6'-0" O.C.

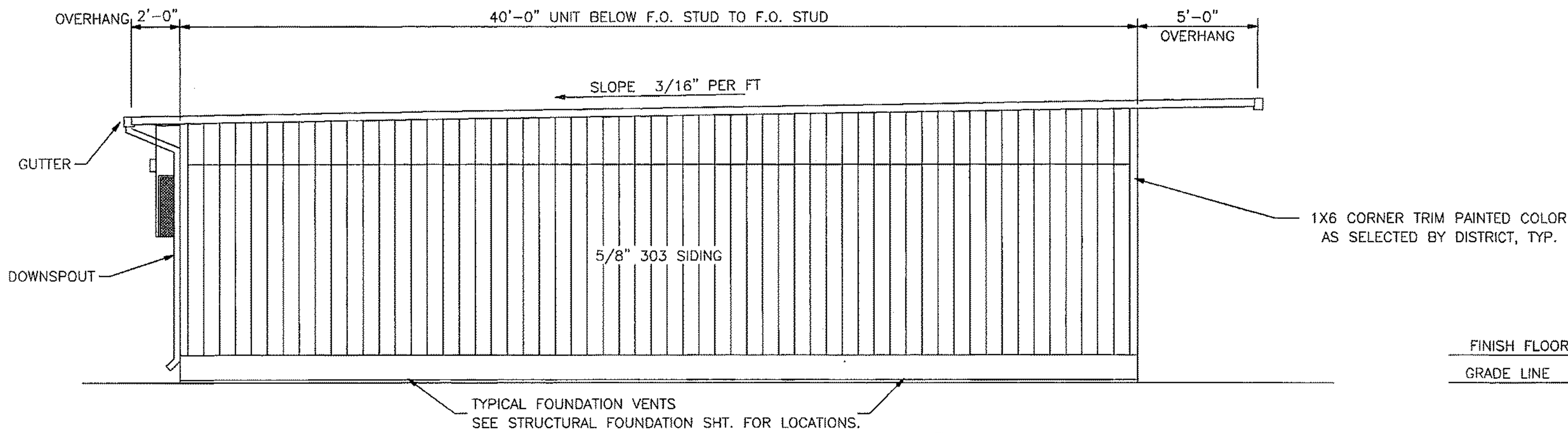
GUTTER AT OVERHANG DETAIL 2/2

ROOM ID SIGNAGE

SEE SHEET 4 DETAILS E/4 & 1/4

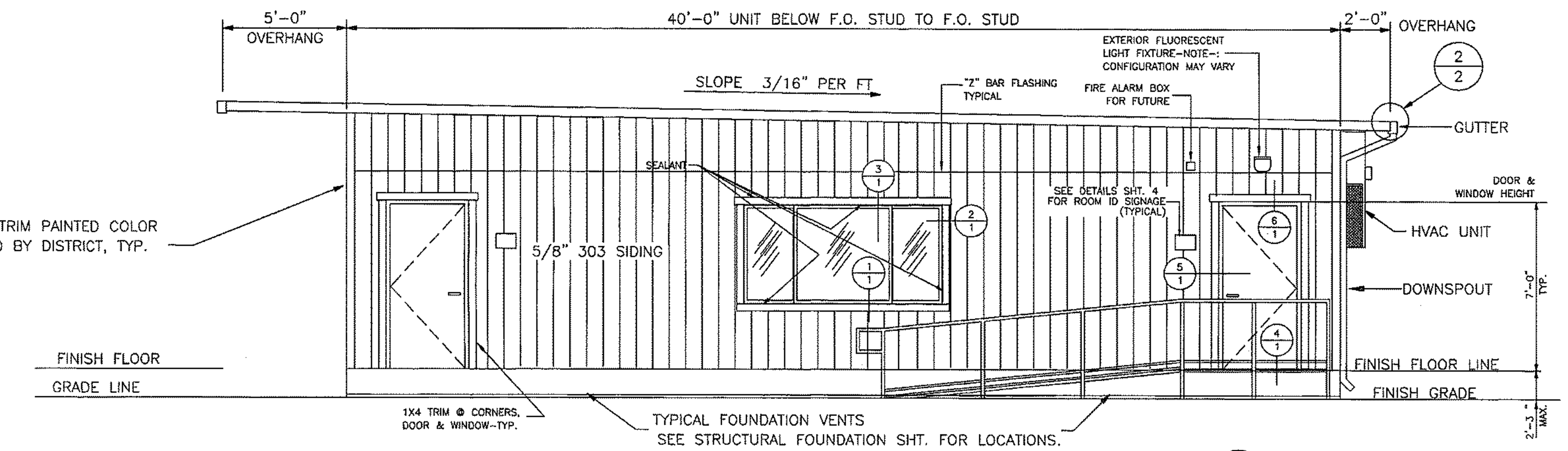
NOT A PART OF THIS CONTRACT (NOT PROVIDED BY A.M.S.)

NOTE:
ROOM IDENTIFICATION SHALL BE PROVIDED FOR ROOMS OR SPACES, RAISED LETTERS SHALL BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE IN CONFORMANCE WITH THE FOLLOWING: CONTRACTED GRADE 2 BRAILLE SHALL BE USED. DOTS SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS. DOTS SHALL BE RAISED A MINIMUM 1/40 INCH ABOVE BACKGROUND. SIGNS SHALL BE INSTALLED ON WALL ADJACENT TO LATCH OUTSIDE OF DOOR. WHERE THERE IS NO SPACE ON THE LATCH SIDE, SIGNS SHALL BE PLACED ON THE NEAREST ADJACENT WALL, PERFERABLY ON THE RIGHT. MOUNTING HEIGHT SHALL BE 60" ABOVE THE FINISH FLOOR TO THE CENTER OF THE SIGN.



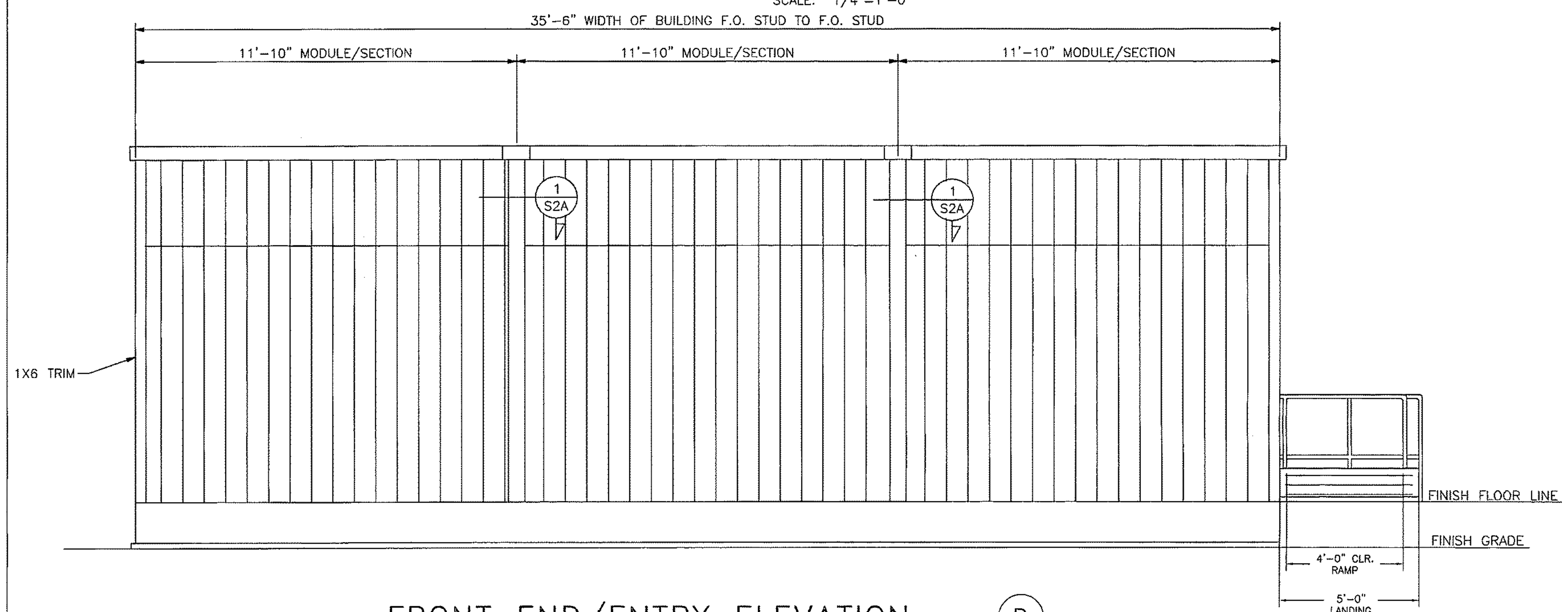
LEFT SIDE ELEVATION (B)

SCALE: 1/4"=1'-0"



RIGHT SIDE ELEVATION (C)

SCALE: 1/4"=1'-0"



FRONT END/ENTRY ELEVATION (D)

SCALE: 3/8"=1'-0"

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02-106185
AC FLS SS
DATE 4/20/04

BASED ON PC 02-104925

36X40 PC RELOCATABLE CLASSROOM

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-512 THRU 516

EXTERIOR ELEVATIONS

DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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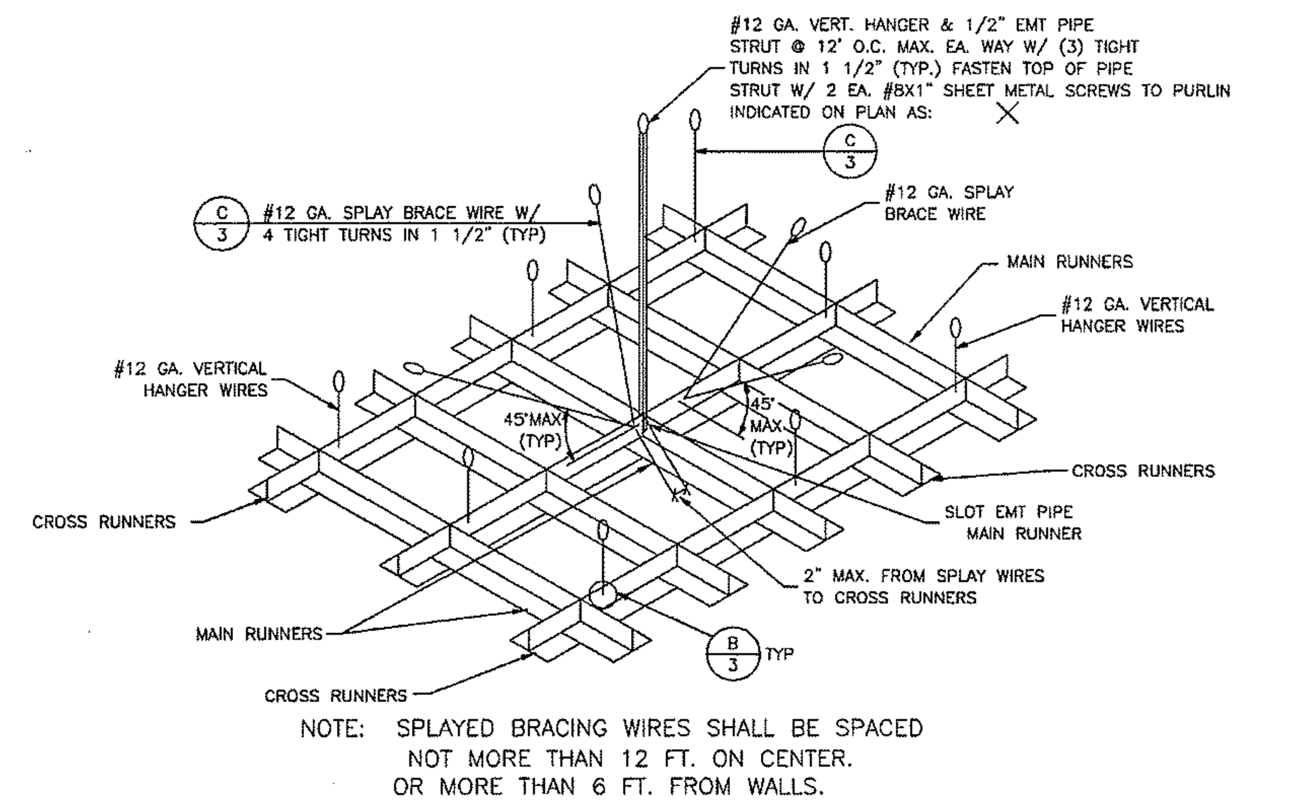
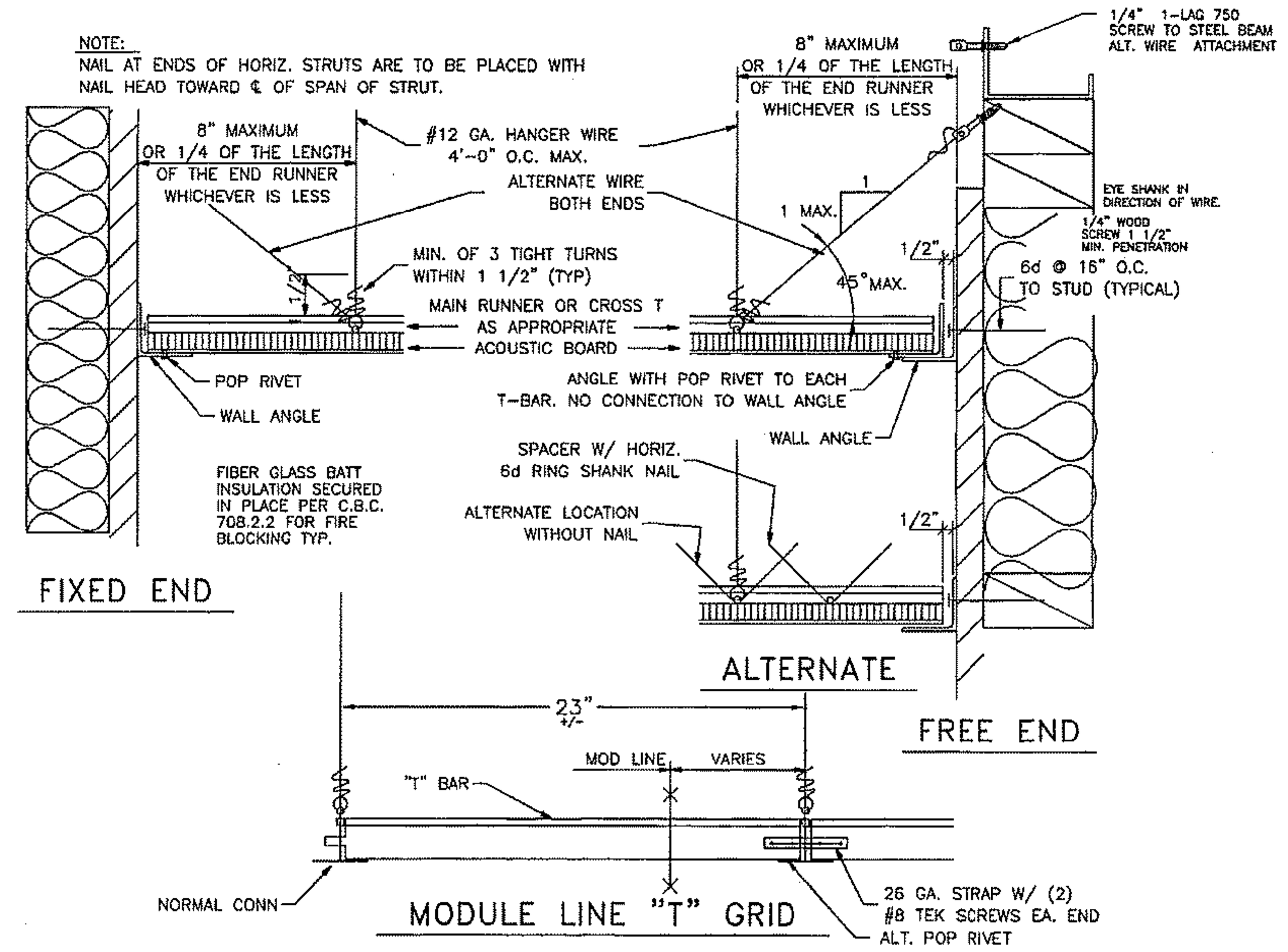
PROJECT No.

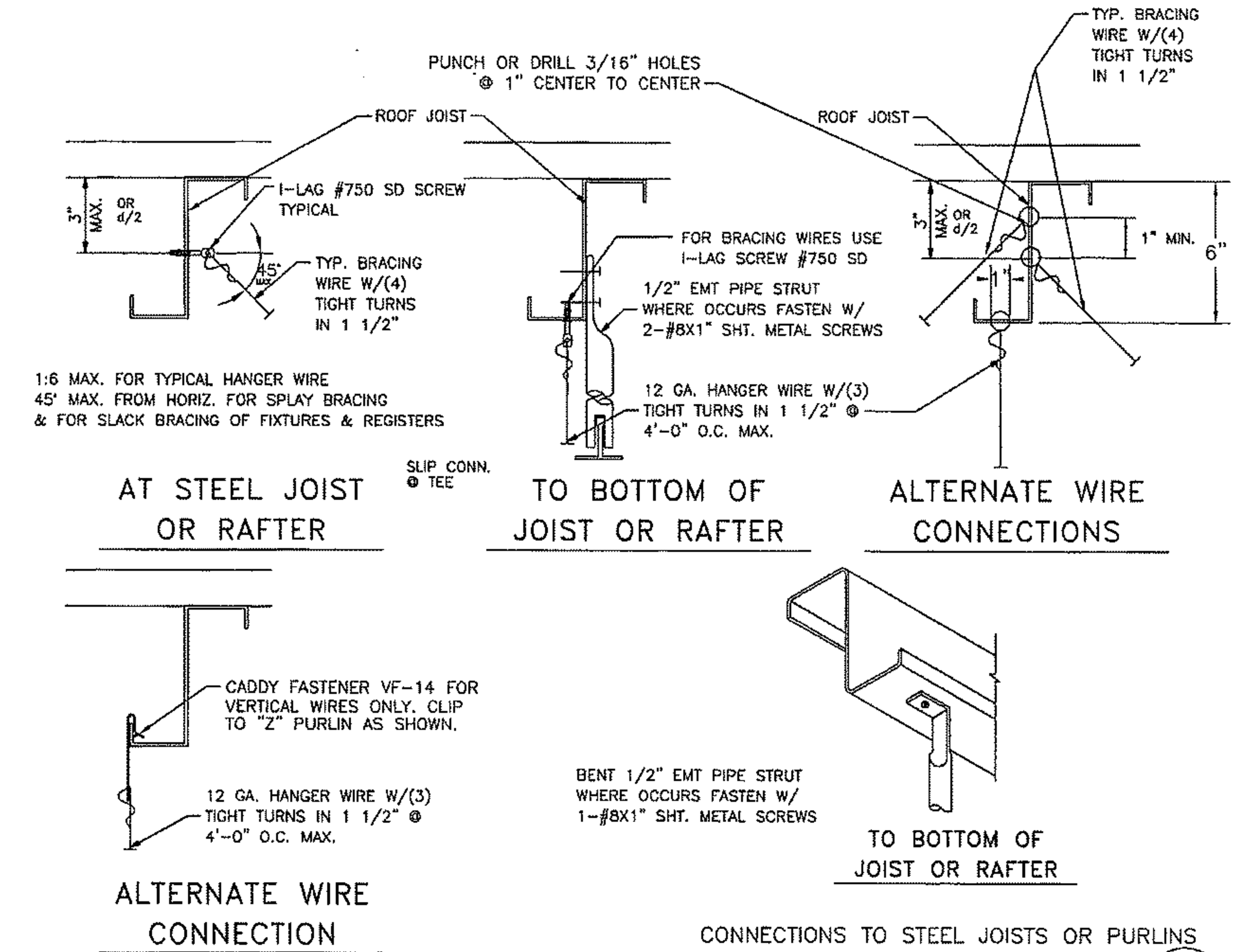
SHEET No. 2



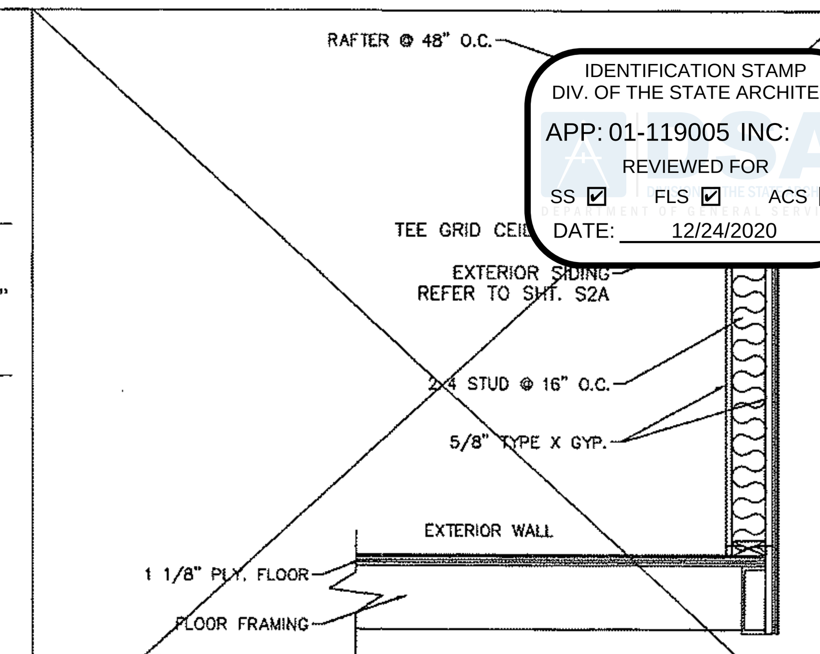
ATTACHMENT FOR CEILING GRID
DETAIL A/3
NO SCALE



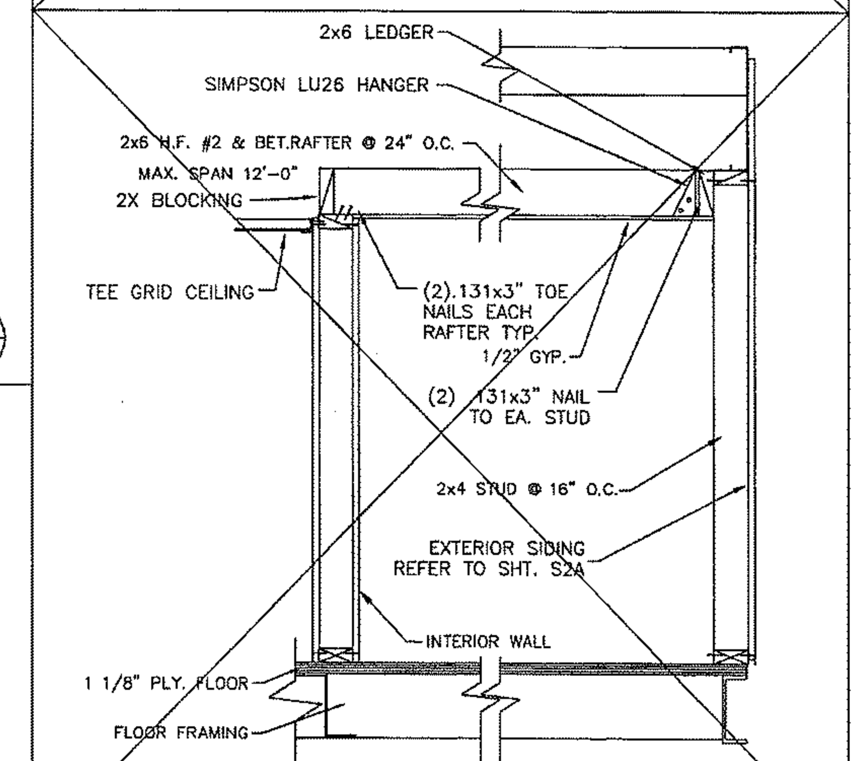
WIRE CONNECTIONS TO GRID
DETAILS B/3
NO SCALE



CONNECTIONS TO STEEL JOISTS OR PURLINS
DETAIL C/3
NO SCALE



1/3 ONE HOUR EXTERIOR FIRE WALL ALTERNATE
N.T.S.



2/3 RESTROOM SHEET ROCK CEILING – ALTERNATE
N.T.S.

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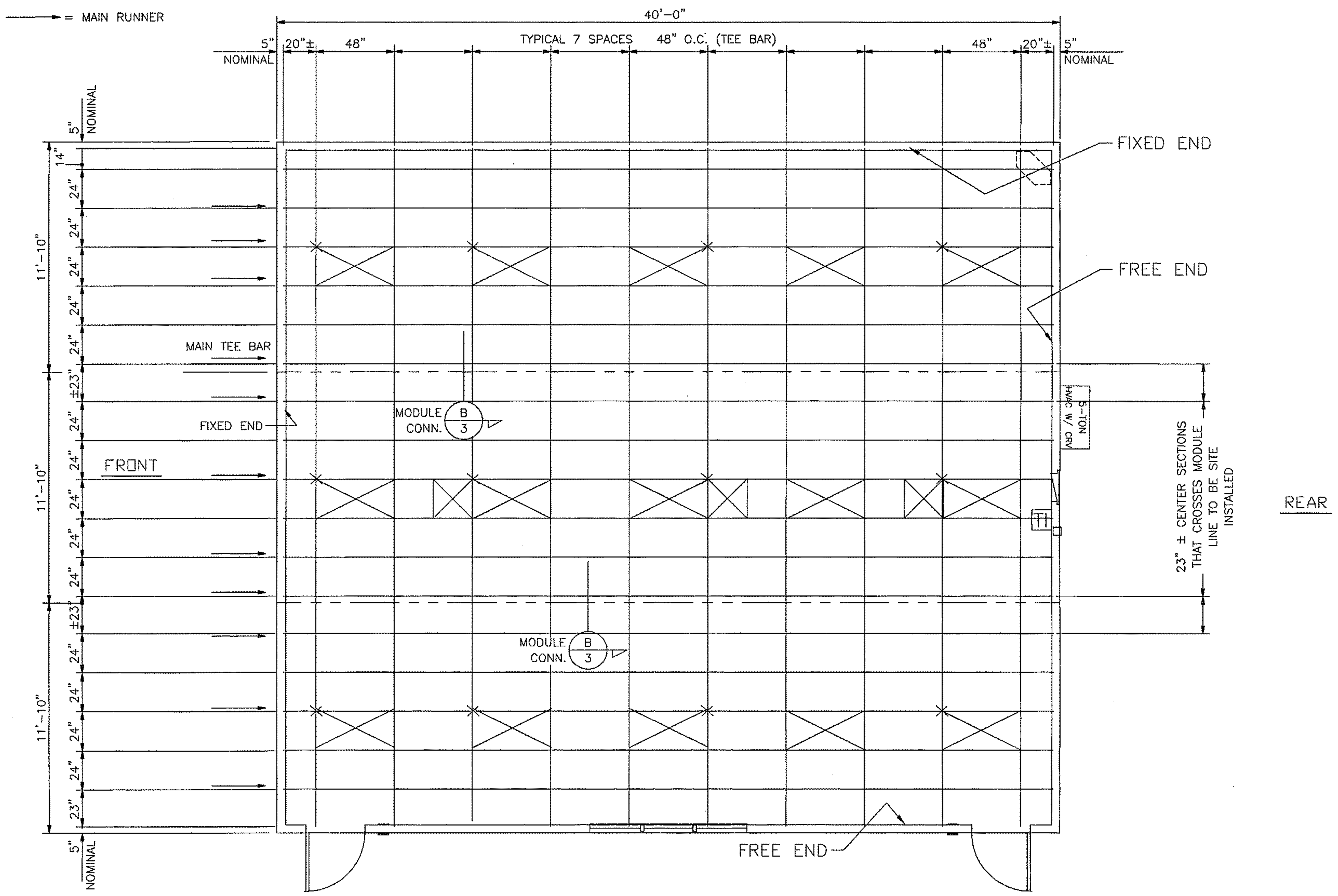
DATE: 12/24/2020



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES
SCALE:1/4"=1'-0"

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA/ORS.
2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
   (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
   (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA/ORS APPROVAL.

7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC., IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA/ORS.
9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
   CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, PER ASTM C635
   MANUFACTURER'S CATALOG NUMBER – MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL #200-01.
   MANUFACTURER'S CATALOG NUMBER – CROSS RUNNER CHICAGO METALLIC 1214-01 CROSS TEES.
   MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
   ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS I, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

TABLE A HEAVY DUTY GRID COMPONENTS

MANUFACTURER	MAIN TEE	H.D. 4' CROSS TEE	H.D. 2' CROSS TEE
DONN/USG	DX-26	DX-424	DX-216
ARMSTRONG	7301	7341	7323
CHICAGO MET.	200-01	1204-01	1226-01

NOTE: ALL GRID COMPONENTS SHALL BE BY SAME MANUFACTURER

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OFFICE OF REGULATION SERVICES
02-106185
AC ✓ FLS ✓ SS ✓
DATE 5/20/04

BASED ON PC. 02-104925

36 X 40 PC
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-512 THRU 516

CEILING GRID, DETAILS AND NOTES

DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
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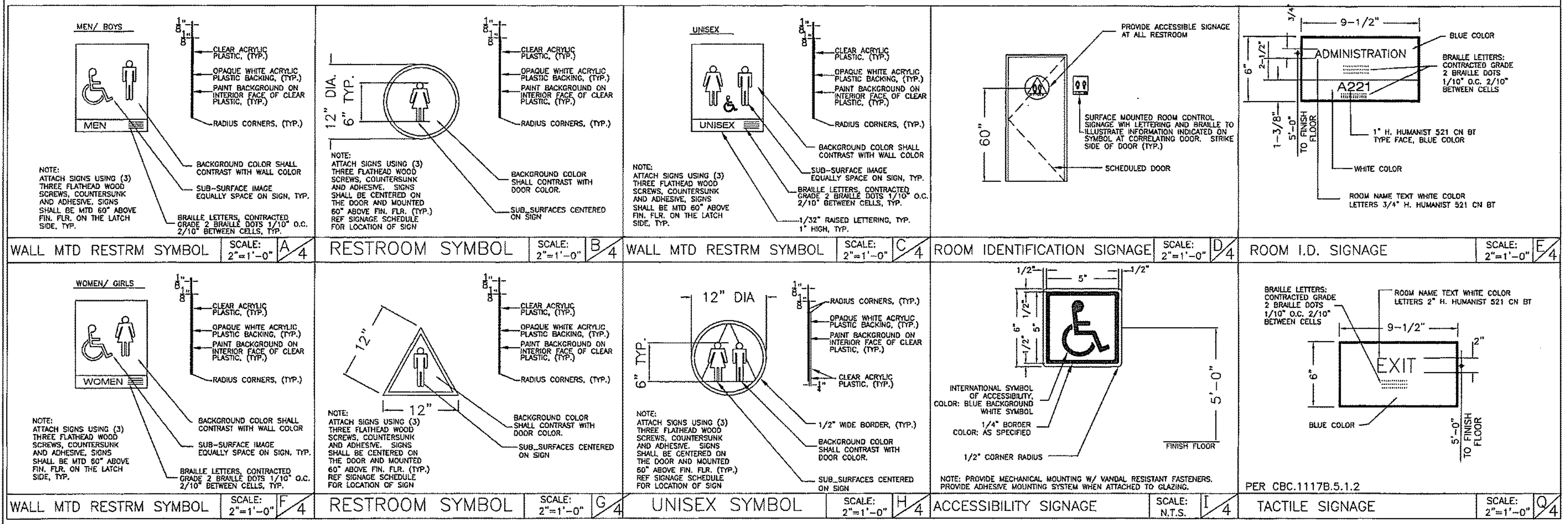
PROJECT No.

SHEET No.
3

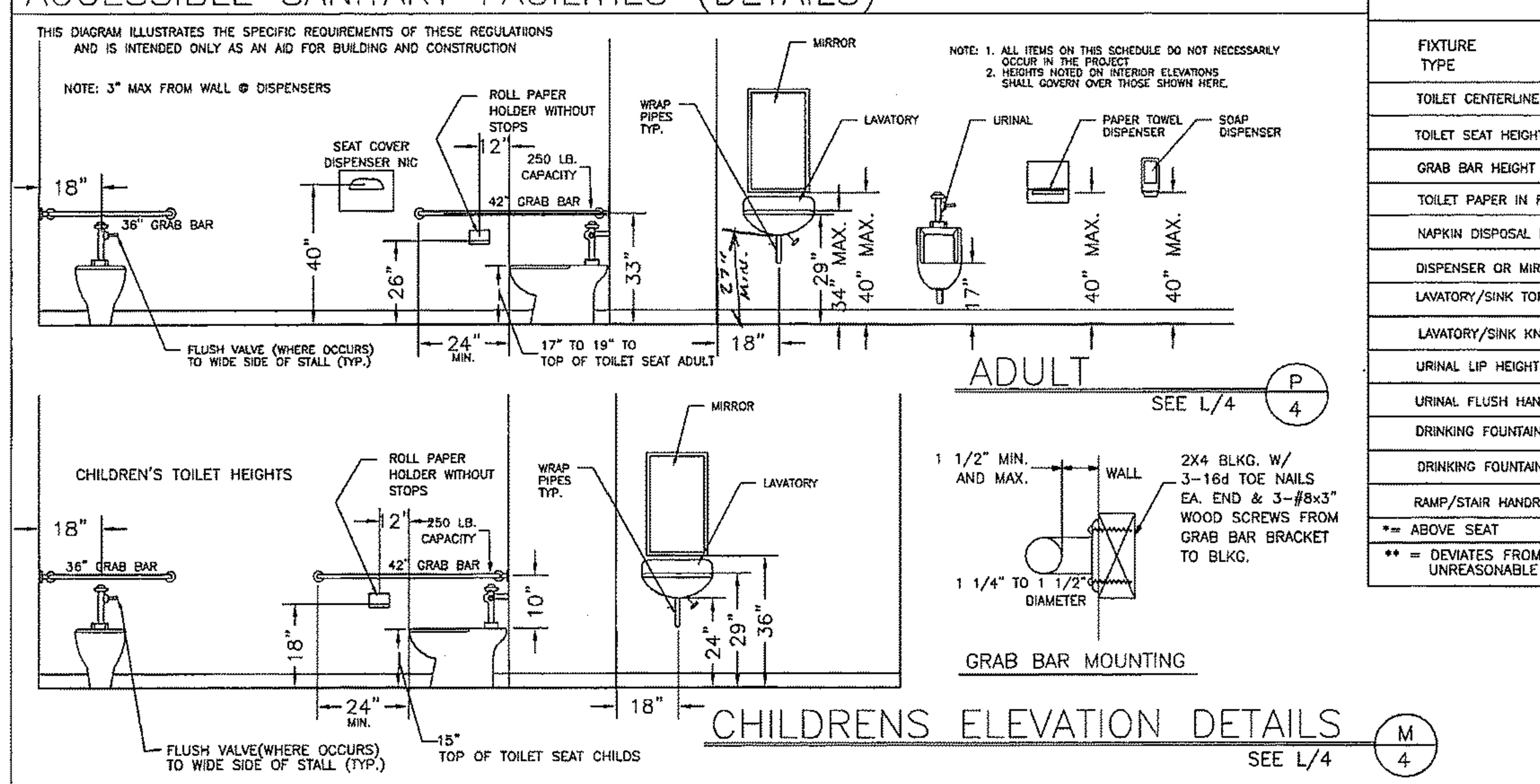
ACCESSIBILITY SIGNAGE (AS REQUIRED-BY DISTRICT)

NOTE:
PER CBC 1115.B.5 1-10 PLACE 12" ROUND OR TRIANGULAR SIGNS ON EACH TOILET ROOM DOOR @ +80" ON THE WALL ON THE LATCH SIDE OF DOOR FRAME. THIS SIGN SHALL READ AS FOLLOWS.



ACCESSIBLE SANITARY FACILITIES (DETAILS)

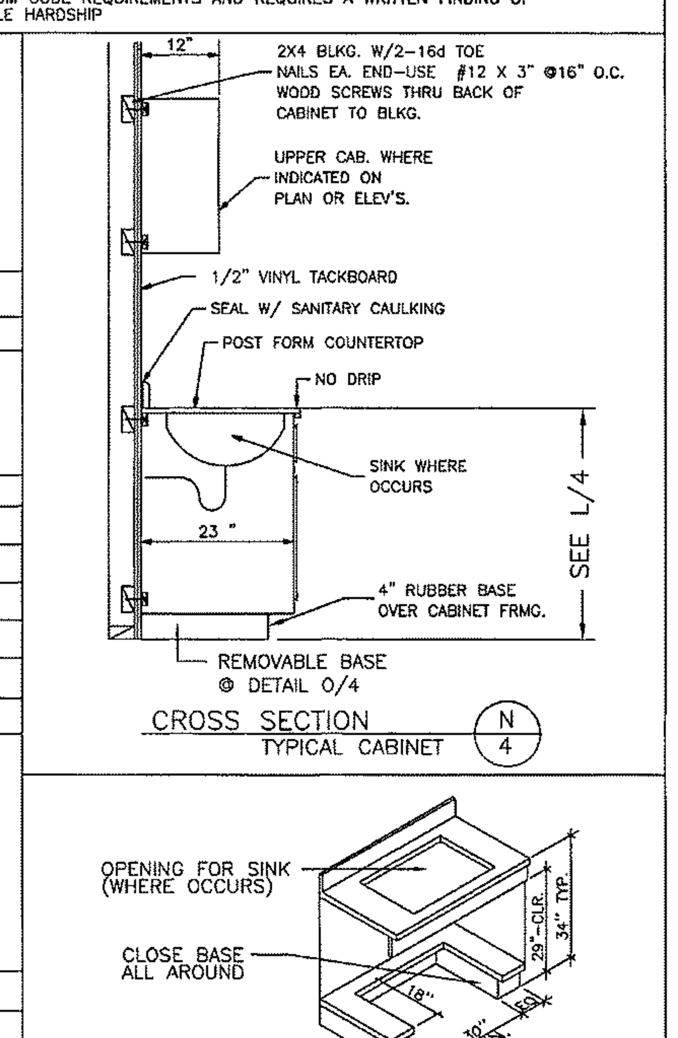
THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THESE REGULATIONS AND IS INTENDED ONLY AS AN AID FOR BUILDING AND CONSTRUCTION



DIMENSIONS FOR ACCESSIBILITY IN TOILET FACILITIES (L/4)

FIXTURE TYPE	ADULT (AGE 12 AND OVER) DIMENSION	ELEMENTARY DIMENSION	KINDERGARTEN & PRE-SCHOOL DIMENSION
TOILET CENTERLINE FROM WALL	18"	15"	12"
TOILET SEAT HEIGHT (TO TOP OF SEAT)	17"-19"	15"	10"-12"
GRAB BAR HEIGHT	33"	33"	10" ABOVE SEAT *
TOILET PAPER IN FRONT OF TOILET	12" MAX.	12" MAX.	6" MAX. **
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	N/A	N/A
DISPENSER OR MIRROR HEIGHT	40" MAX.	36" MAX.	32" MAX.
LAVATORY/SINK TOP HEIGHT	34" MAX.	29" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.
URINAL LIP HEIGHT	17" MAX.	15" MAX.	10" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	36" MAX.	28" MAX.
DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.	31" MAX.	24" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	24" MIN.	22" MIN.
RAMP/STAIR HANDRAIL HEIGHT	34"-38"	27"	22"

*= ABOVE SEAT
** = DEVIATES FROM CODE REQUIREMENTS AND REQUIRES A WRITTEN FINDING OF UNREASONABLE HARDSHIP



NOTES:
- DOORS NOT SHOWN FOR CLARITY. DOORS ARE TO BE PROVIDED.
- MODIFY BASE AS SHOWN FOR WHEELCHAIR ACCESS.
- ALL EXTERIOR SURFACES TO BE PLASTIC LAMINATE.

CROSS SECTION ACCESSIBLE CABINET N.T.S. O/4

ROOM FINISHES SCHEDULE

ROOM NUMBER	ROOM NAME	FINISHES: FLOOR	BASE	WALLS: FRONT	REAR	RIGHT	LEFT	CEILING	CEILING HEIGHT	REMARKS
1	CLASSROOM		D	F	F	F	F	J	8'-6"	
2	TOILET RM. (OPTIONAL)	B	E	I	I	I	I	J	8'-6"	

A – CARPET PER STATE OF CALIF SPEC COMPLYING WITH GROUP 1, TYPE A OR TYPE B, CLASS 2, DENSITY 4600, DIRECT GLUE DOWN.
B – VINYL SHEET FLOORING
C – VCT. ARMSTRONG STANDARD OR EXCELON
D – TOP SET BASE. 4" BURKE
E – TOP SET BASE. 6" BRINGANTINE OR SANDOVAL
F – WALL FINISH. 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYP BOARD BACKING
G – 1/2" W.R. GYP BOARD. TAPE, TEXTURE, PAINTED FINSIH
H – 1/2" GYP BOARD. TAPE, TEXTURE, PAINTED FINISH
I – 3/32" F.R.P. OVER 1/2" W.R. GYP BOARD
J – ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATIONS)
K – 1/2" VINYL TACKBOARD CLASS 1 OVER 5/8" TYPE "X" GYP BOARD BACKING

DOOR SCHEDULE SEE SHT. 1 FOR LOCATION

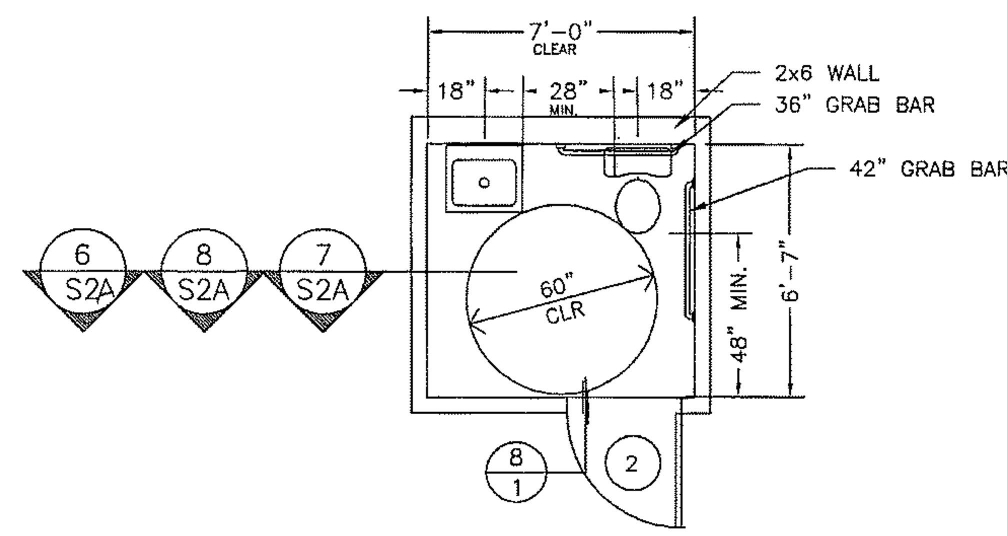
DOORS: DOOR NO.	FRAME OPENING SIZE	MATERIAL	TYPE	FIRE RATING	HARDWARE SET NO.	QUANTITY	FRAMES: MATERIAL	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	JAMB THROAT	NOTE NO.
1	3'-0" x 7'-0"	H.M.		N/A	A	1	H.M.	6/1	6/1	4/1	5/1	
2	3'-0" x 7'-0"	H.M.		N/A	A	1	H.M.	6/1	6/1	4/1	5/1	

HM – HOLLOW METAL
AL – ALUMINUM
SST – STAINLESS STEEL
STL – STEEL FRAME. 16 ga. FULLY WELDED
WWF – WINDOW WALL FRAME
SC – SOLID CORE WOOD
HC – HOLLOW CORE WOOD

WINDOW SCHEDULE SEE SHT. 1 FOR LOCATION

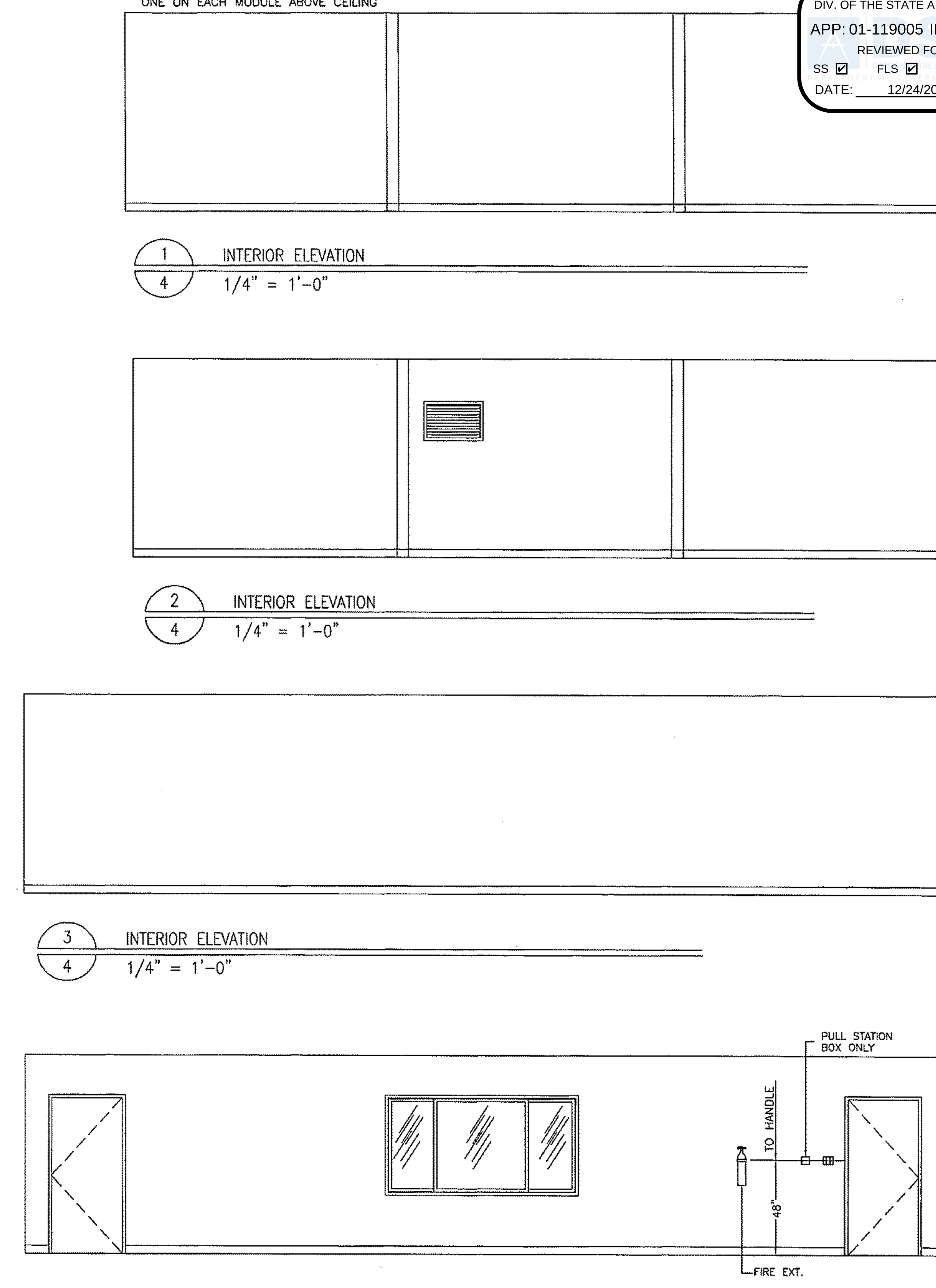
WINDOW NO.	AMT.	TYPE	WIDTH	HEIGHT	FINISH	GLASS TYPE
(A)	1	SLD.	8'-0"	4'-0"	BRONZE	SOLAR GREY

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 45% maximum.



6/4 RESTROOM FLOOR PLAN (OPTIONAL) 1/4" = 1'-0"

MODULE IDENTIFICATION TAG ONE ON EACH MODULE ABOVE CEILING

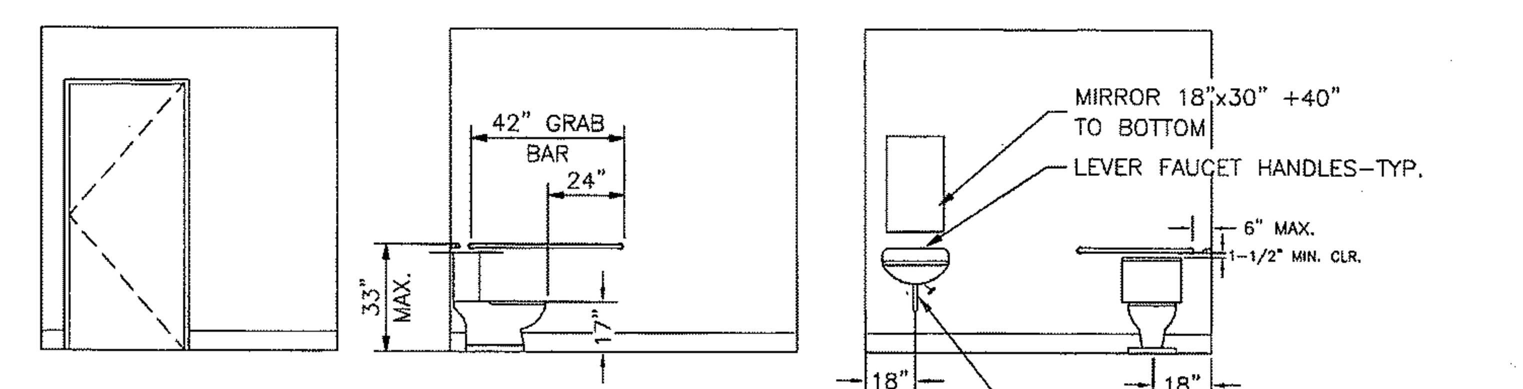


1/4 INTERIOR ELEVATION 1/4" = 1'-0"

2/4 INTERIOR ELEVATION 1/4" = 1'-0"

3/4 INTERIOR ELEVATION 1/4" = 1'-0"

4/4 INTERIOR ELEVATION 1/4" = 1'-0"



5/4 RESTROOM (OPTIONAL) 1/4" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

REGISTERED PROFESSIONAL ENGINEER JOHN H. LAWDER No. 2310 Exp. 3-31-05 STRUCTURAL STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106185
AC. FLS. SS
DATE 4/20/04

BASED ON PC 02-104925

36' X 40'
RELOCATABLE CLASSROOMS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-512 THRU 516

INTERIOR ELEVATIONS AND OPTIONS

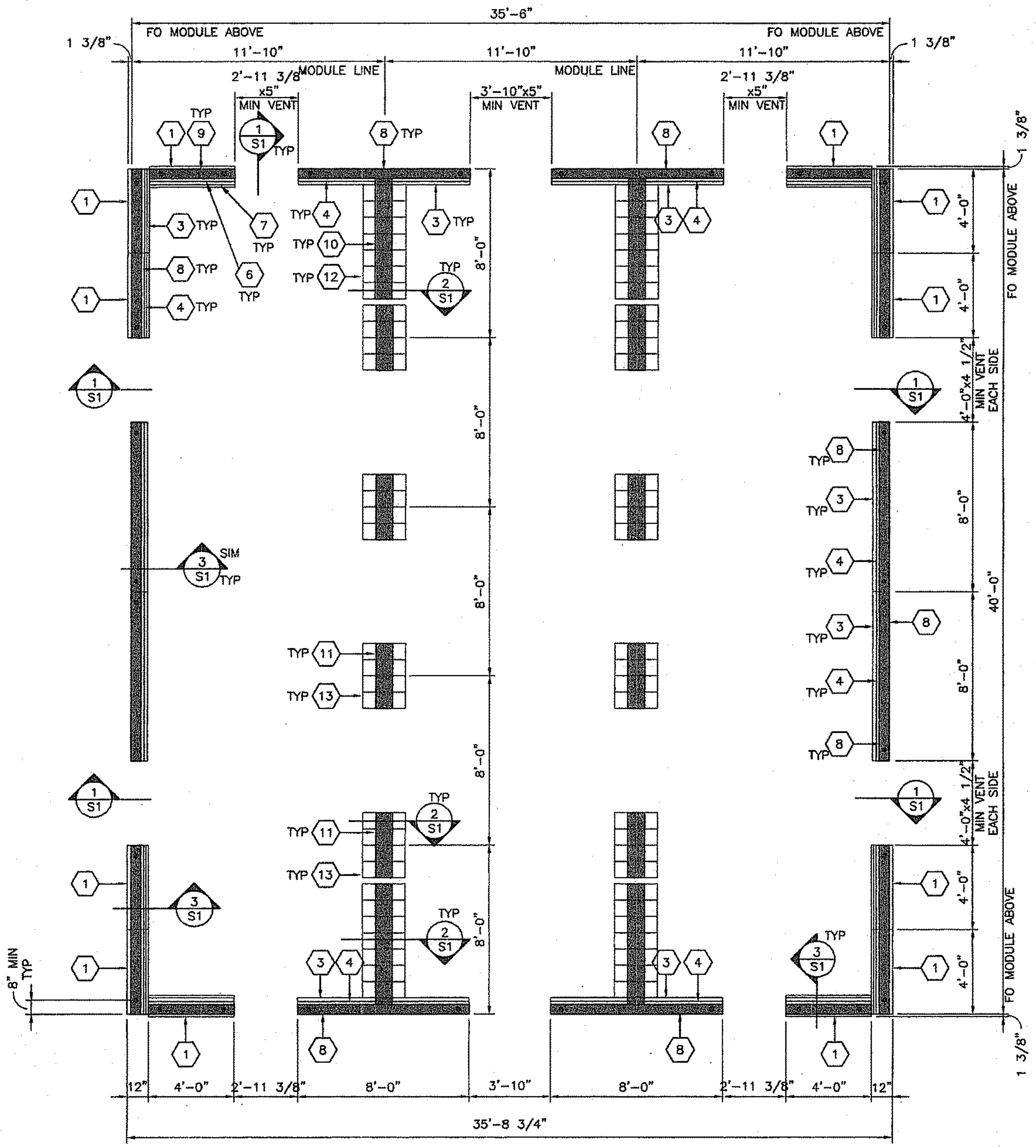
DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.

SHEET No.
4



50 PSF LIVE LOAD

FOUNDATION PLAN

A/S1

1/4" = 1'-0"

LEGEND:

1. 1/2"x12" WIDE x 48" LONG-UNO ON PLAN PT STRUCTURAL PLYWOOD W/ FACE GRAIN IN SHORT DIRECTION (CDX PLYWOOD)
2. NOT USED
3. 2x10x8'-0" LONG-UNO ON PLAN, PT ℞ ALT. 2x10 REDWOOD
4. 2x8x8'-0" LONG ℞, UNO ON PLAN
5. NOT USED
6. 2x8x4'-0" LONG ℞, UNO ON PLAN
7. 2x10x4'-0" LONG ℞, UNO ON PLAN (PT ℞ WHERE PLYWOOD DOES NOT OCCUR)
8. MULTIPLE 2x6x8'-0" LONG, UNO ON PLAN, NAILER AS REQ'D FOR HEIGHT
9. MULTIPLE 2x6x4'-0" LONG, UNO ON PLAN, NAILER AS REQ'D FOR HEIGHT- UNO
10. 2x10 ℞ SEE 2/S1
11. 2x10 BLKG, SEE 2/S1
12. (4) 2x12x2'-0" PT ℞ OR (5) 2x10x2'-0" PT ℞ OR (6) 2x8x2'-0" PT ℞, SEE 2/S1
13. (4) 2x12x2'-0" PT ℞ OR (4) 2x10x2'-0" PT ℞ OR (5) 2x8x2'-0" PT ℞, SEE 2/S1

• 1"ø GALVANIZED PIPE LOCATIONS-TYPICAL

NOTES:

1. TOP OF WOOD PADS TO BE LEVEL.
2. DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
3. SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
4. FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.
5. PER THE CONTRACT OF THIS PROJECT-THE BUILDING PAD MUST BE A MINIMUM OF 42'x50' AND SHALL NOT EXCEED 6" OUT OF LEVEL IN ANY DIRECTION.
6. VENT AREA REQUIRED=$(\frac{1440\ SF}{150\ SF})$=9.6 SF
   VENT AREA PROVIDED=10.1 SF

SILL RESTRAINT:

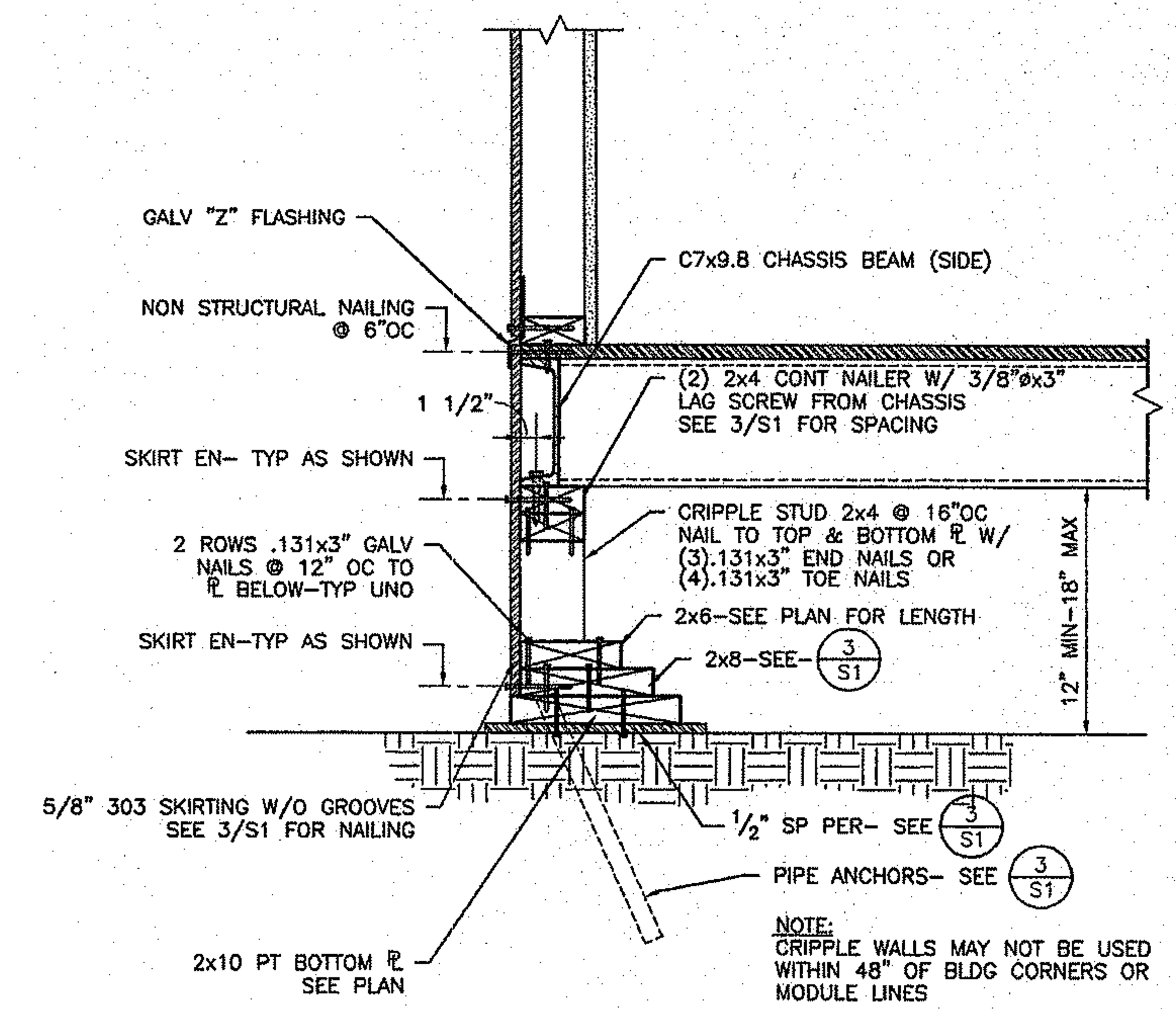
ON SOIL: 1"ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW SOIL SURFACE @ 10'-0" OC, MIN 2 EA 2x ℞. DRILL SILL 1 1/4"ø MAX. PIPE MAY BE DRIVEN MAX 45° ANGLE TO VERTICAL.

ON A/C PAVING: 1"ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC, MIN 2 EA 2x ℞. DRILL SILL 1 1/4"ø MAX. ALT: 60d HOT DIPPED GALV NAILS THRU PREDRILLED SILL ℞ @ 32" OC

ON CONC PAVING: 1"ø HOT DIPPED GALV PIPE W/ 12" MIN PENETRATION BELOW PAVING SURFACE @ 10'-0" OC, MIN 2 EA 2x ℞. DRILL SILL 1 1/4"ø MAX. ALT: 1/2"ø HILTI KBII's THRU SILL ℞ W/ 3 1/2" MIN CONC EMBEDMENT @ 5'-0" OC MAX.

FOUNDATIONS:

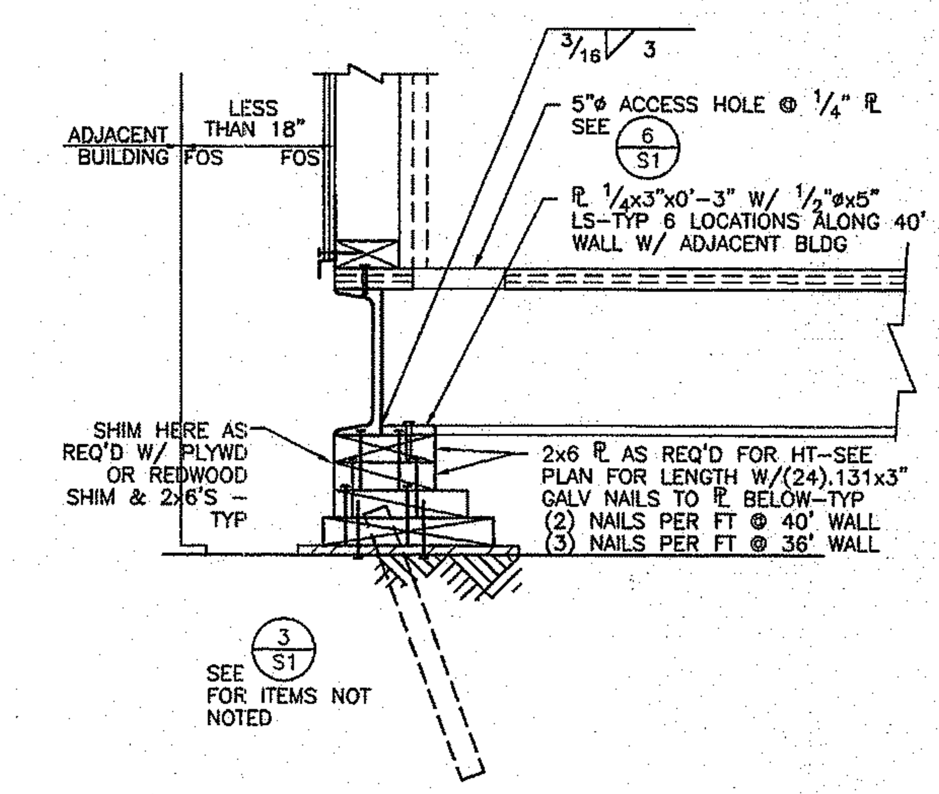
ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD, HEM FIR OR CEDAR. PRESSURE TREATED DOUGLAS FIR, HEM FIR, PLYWOOD ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 2001 CALIFORNIA BUILDING CODE. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE HF#2 OR DF#2 "FOR ABOVE GROUND USE." THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RE-TREATED PER SPECIFICATIONS. LP-2 AND LP-22 MATERIAL SHALL BE BANDED SEPARATELY FOR SHIPMENT TO THE JOB SITE. THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH BANDED UNIT SHALL BE ATTACHED TO THE MATERIAL.
CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED.
INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY. THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND DSA. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.



FOUNDATION DETAIL

4/S1

1 1/2" = 1'-0"

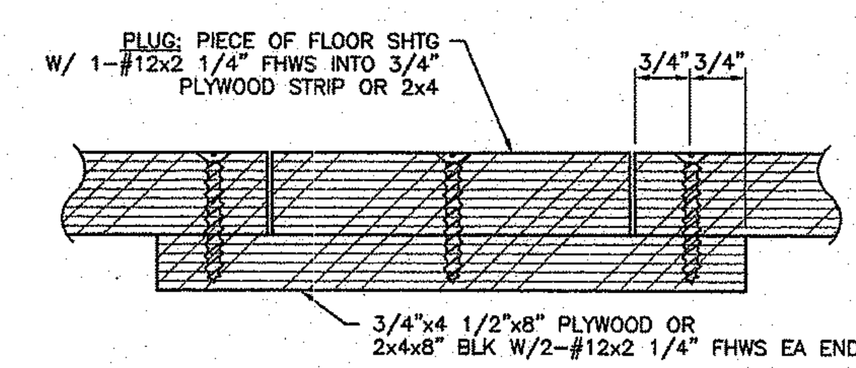


OPTIONAL FOR BUILDING PLACES LESS THAN 18" APART

FOUNDATION DETAIL

5/S1

1 1/2"=1'-0"

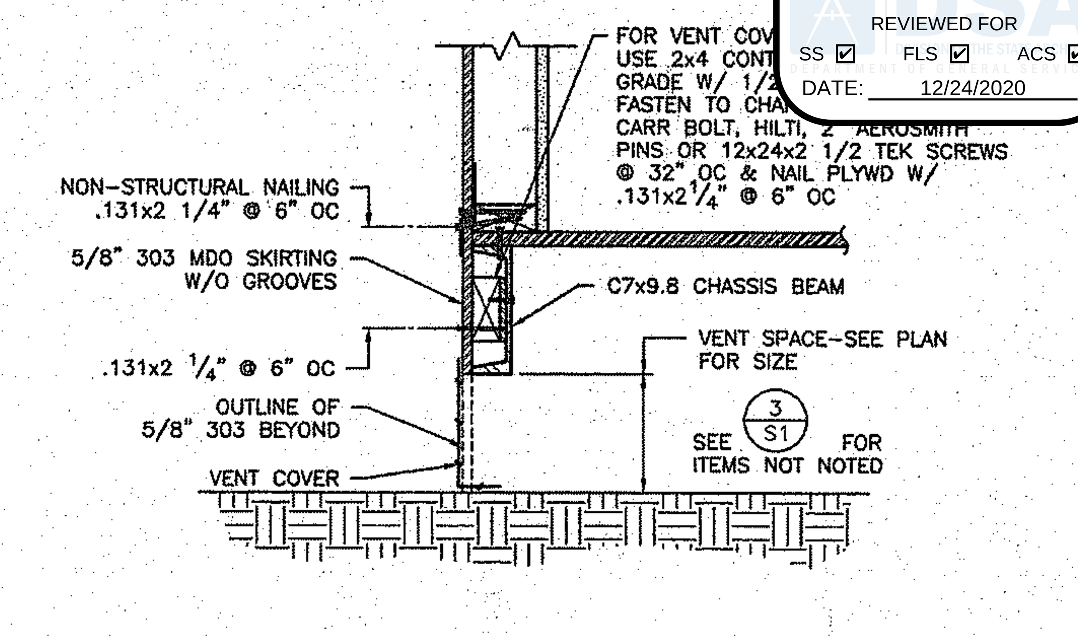


FILLER ACCESS HOLE

DETAIL

6/S1

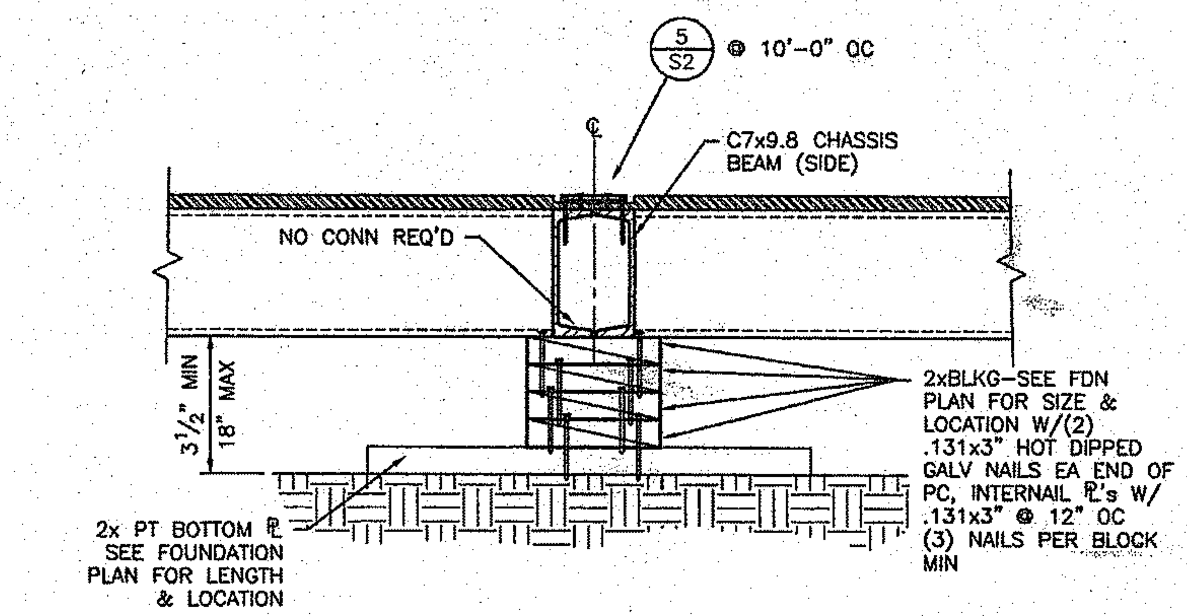
NO SCALE



FOUNDATION DETAIL

1/S1

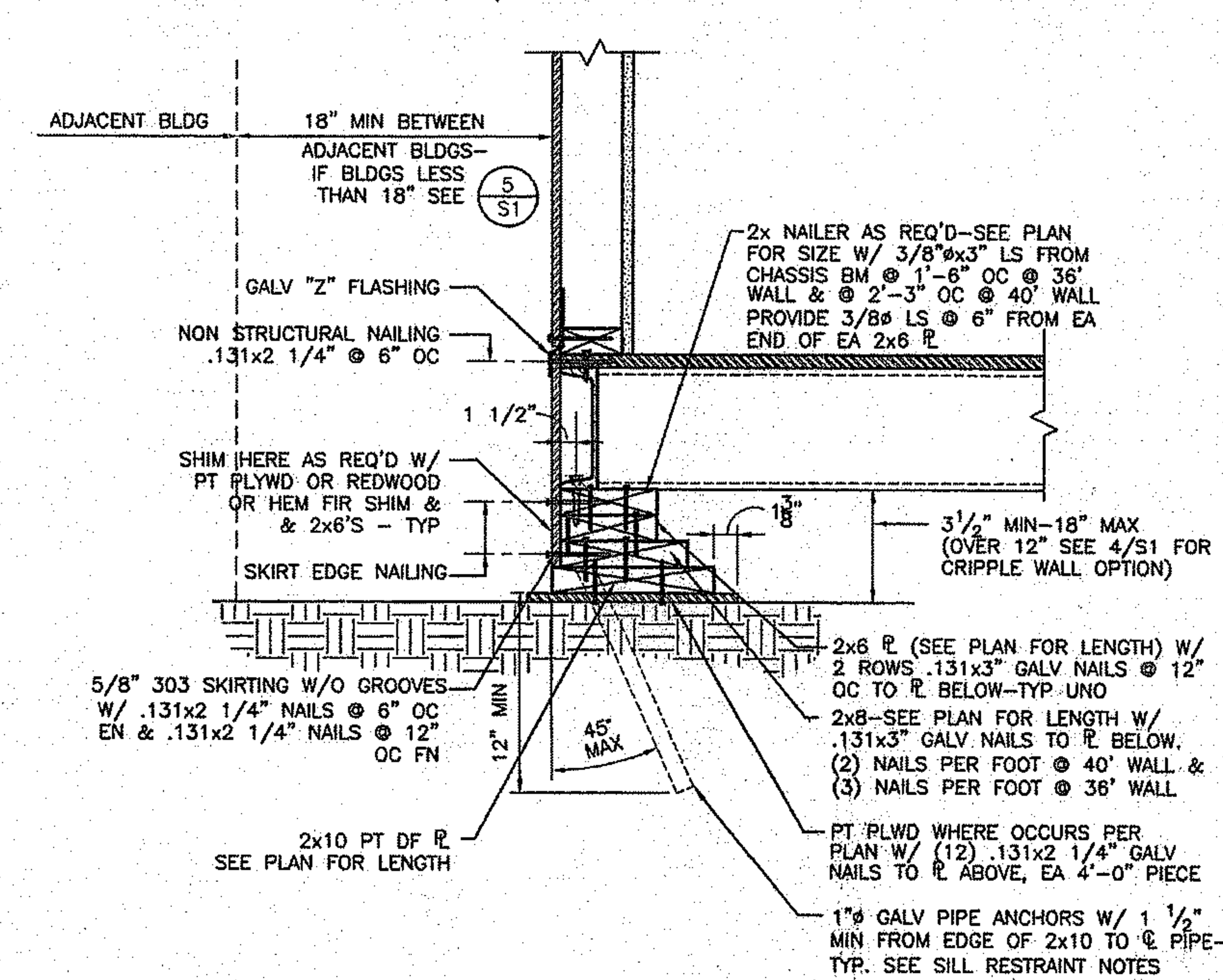
1 1/2" = 1'-0"



DETAIL

2/S1

1 1/2" = 1'-0"



FOUNDATION DETAIL

3/S1

1 1/2" = 1'-0"

P:\02156\02\ACAD\STRU\S1.dwg Time:Jun19,2003-08:30am Login:mcee Dimscale:8 LTScale:4

36 x 40
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:

WOOD FOUNDATION PLAN & DETAILS
50 PSF FLOOR LIVE LOAD

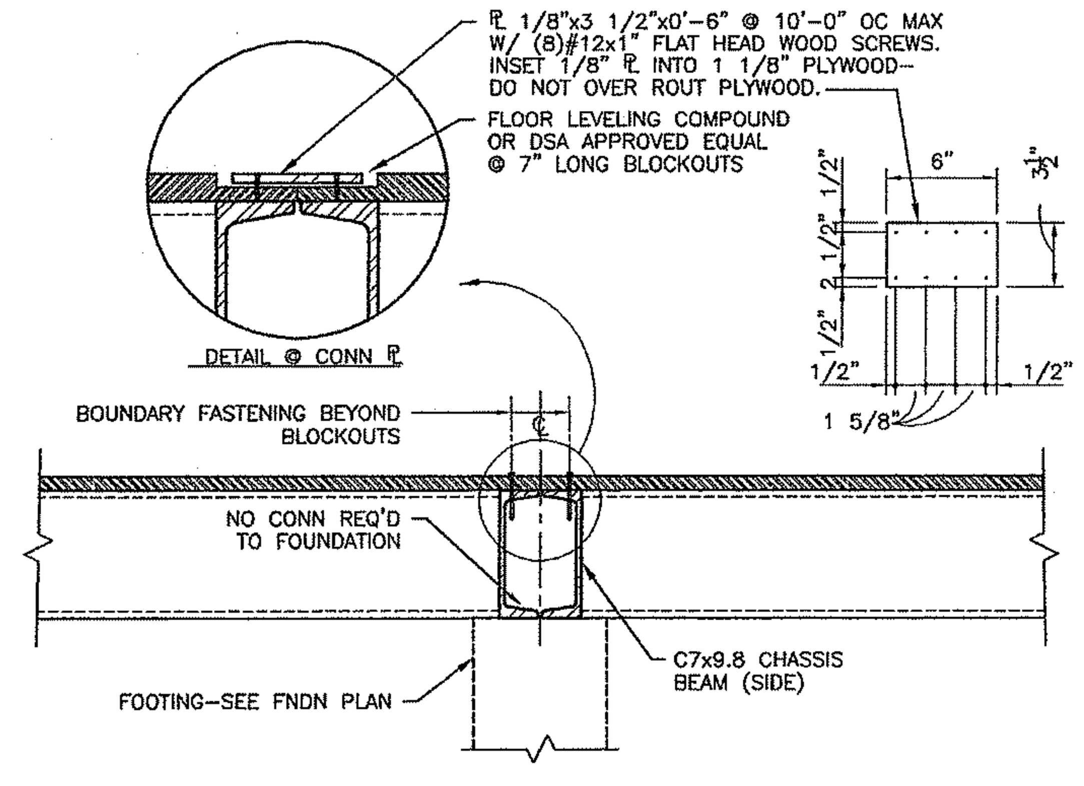
DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

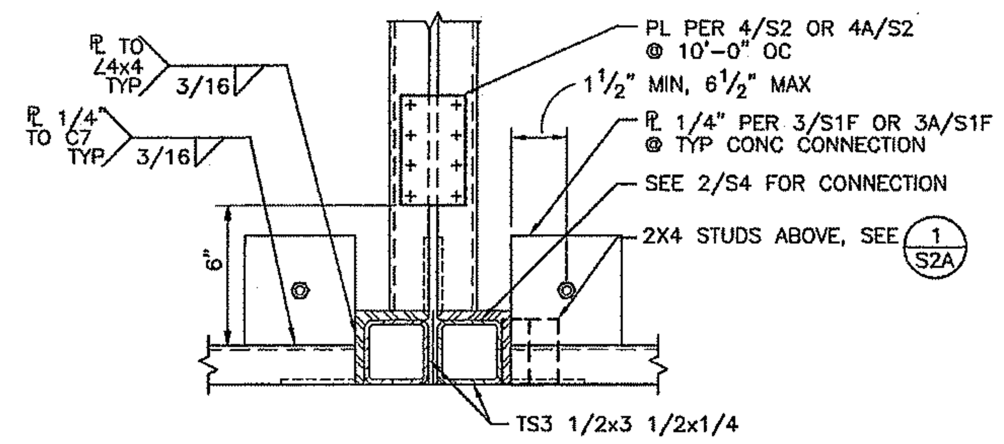
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		
△			△		

PROJECT No.
02156-02

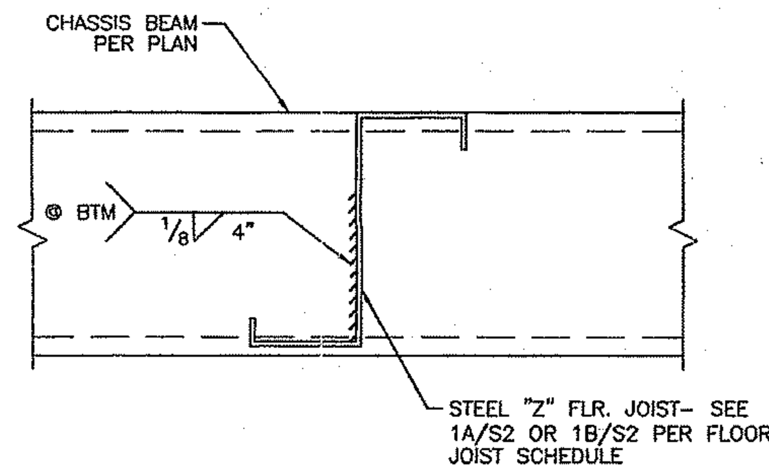
SHEET No.
S1



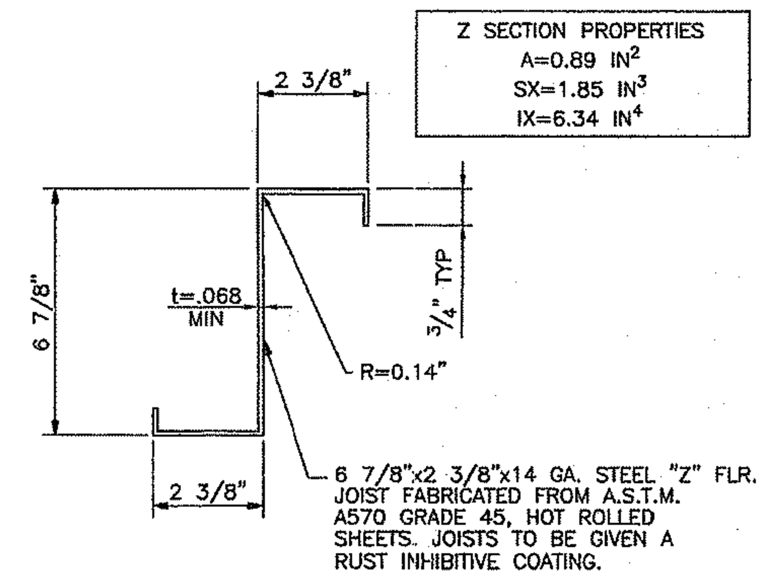
DETAIL 4/S2
1 1/2" = 1'-0"



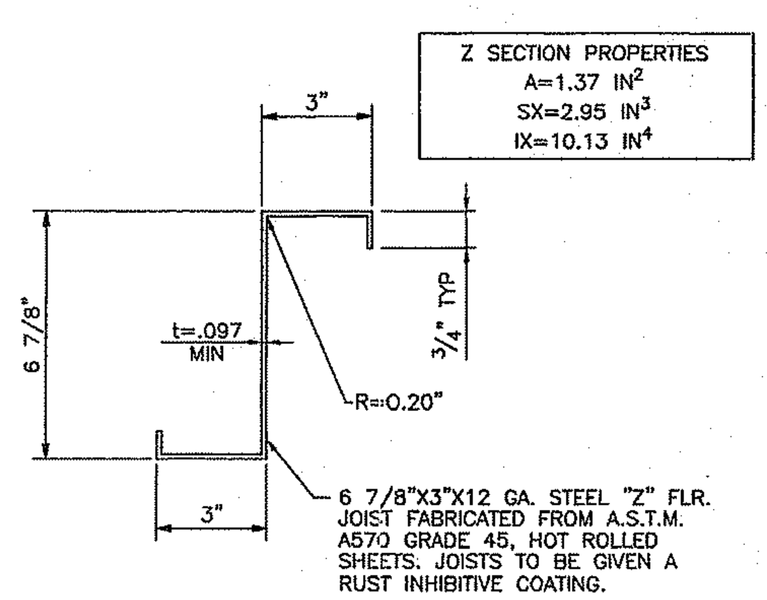
PLAN DETAIL 2/S2
NO SCALE



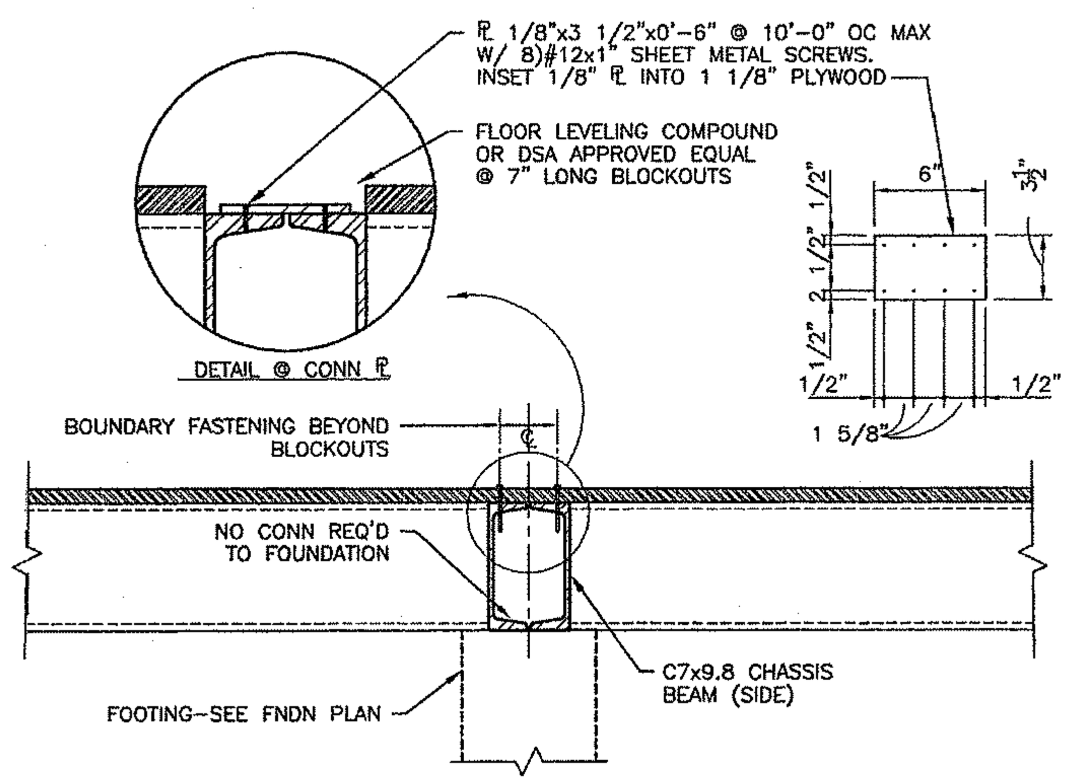
DETAIL 1/S2
NO SCALE



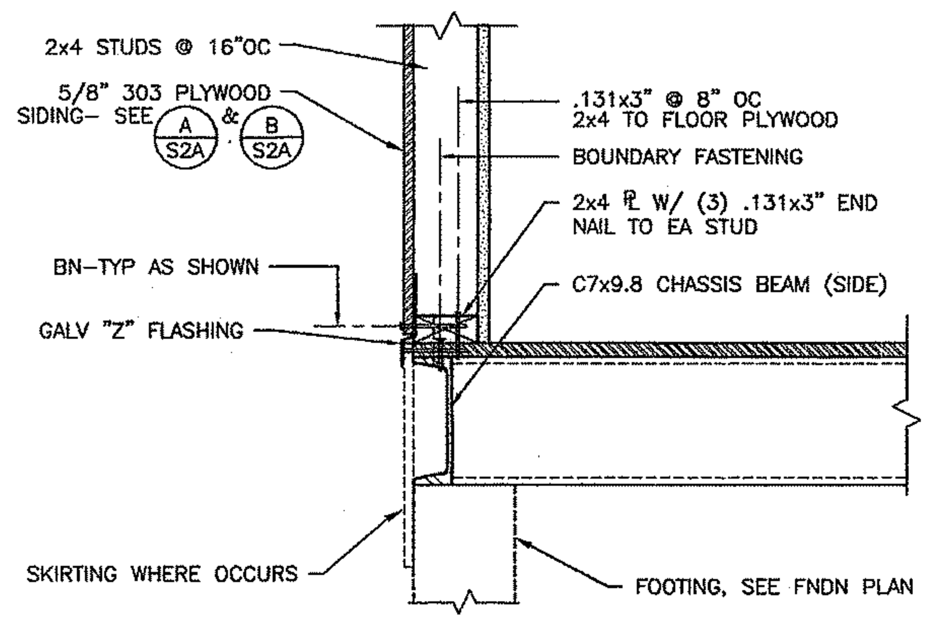
14 GA JOIST
DETAIL 1A/S2
NO SCALE



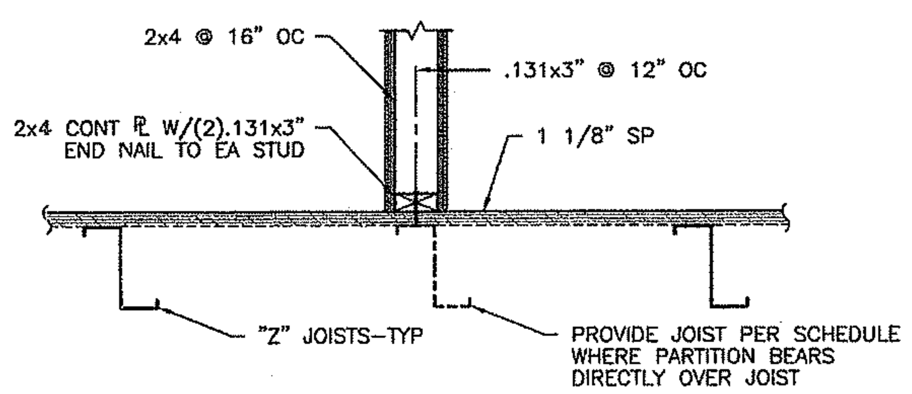
12 GA JOIST
DETAIL 1B/S2
NO SCALE



125 PSF LIVE LOAD
DETAIL 4A/S2
1 1/2" = 1'-0"

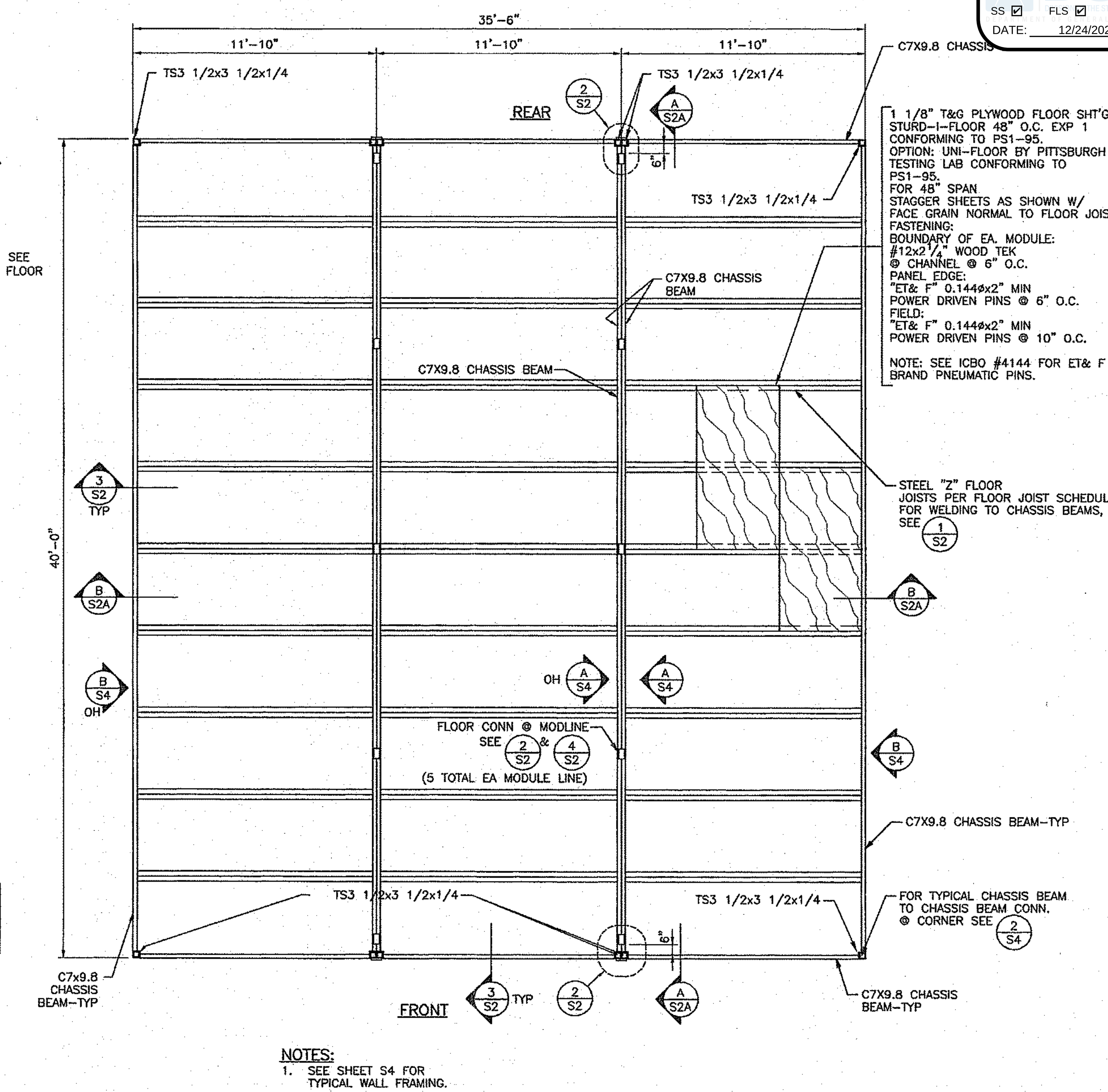


DETAIL 3/S2
1 1/2" = 1'-0"



TYP INTERIOR NON-BEARING WALL BASE

DETAIL 5/S2
1 " = 1'-0"



NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.

FLOOR FRAMING PLAN A/S2
1/4" = 1'-0"

FLOOR JOIST SCHEDULE

LIVE LOAD	SPACING	
	14 GA JOIST	12 GA JOIST
50 PSF	48" OC	48" OC
~~50+20 PSF~~	~~24" OC~~	~~48" OC~~
~~100 PSF~~	~~24" OC~~	~~24" OC~~
~~125 PSF~~	~~—~~	~~24" OC~~

NOTES:
1. FOR JOISTS SEE 1A/S2 AND 1B/S2.
2. SPACING IS TO CENTER LINE OF TOP FLANGE.
3. PROVIDE 12 GA JOIST WHERE PARTITION BEARS DIRECTLY OVER JOIST.

P:\02156\02\ACAD\STRU\S2.dwg Time:Jun03,2003-09:56am Login:lawrencej Dimscale:48 LTScale:24

36 x 40
RELOCATABLE
CLASSROOM

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:

FLOOR FRAMING PLAN
AND DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
△			△		
△			△		

PROJECT No.
02156-02

SHEET No.
S2

P:\02156\02\ACAD\STRU\S2a.dwg Time:Jun03,2003—09:56am Login:lawrence| Dimscale:32 LTScale:16

36 x 40
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1416
EXP. 3-31-05
Structural Engineer
STATE OF CALIFORNIA

CUSTOMER:

BUILDING SECTIONS
AND WALL DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
△			△		
△			△		
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△			△		
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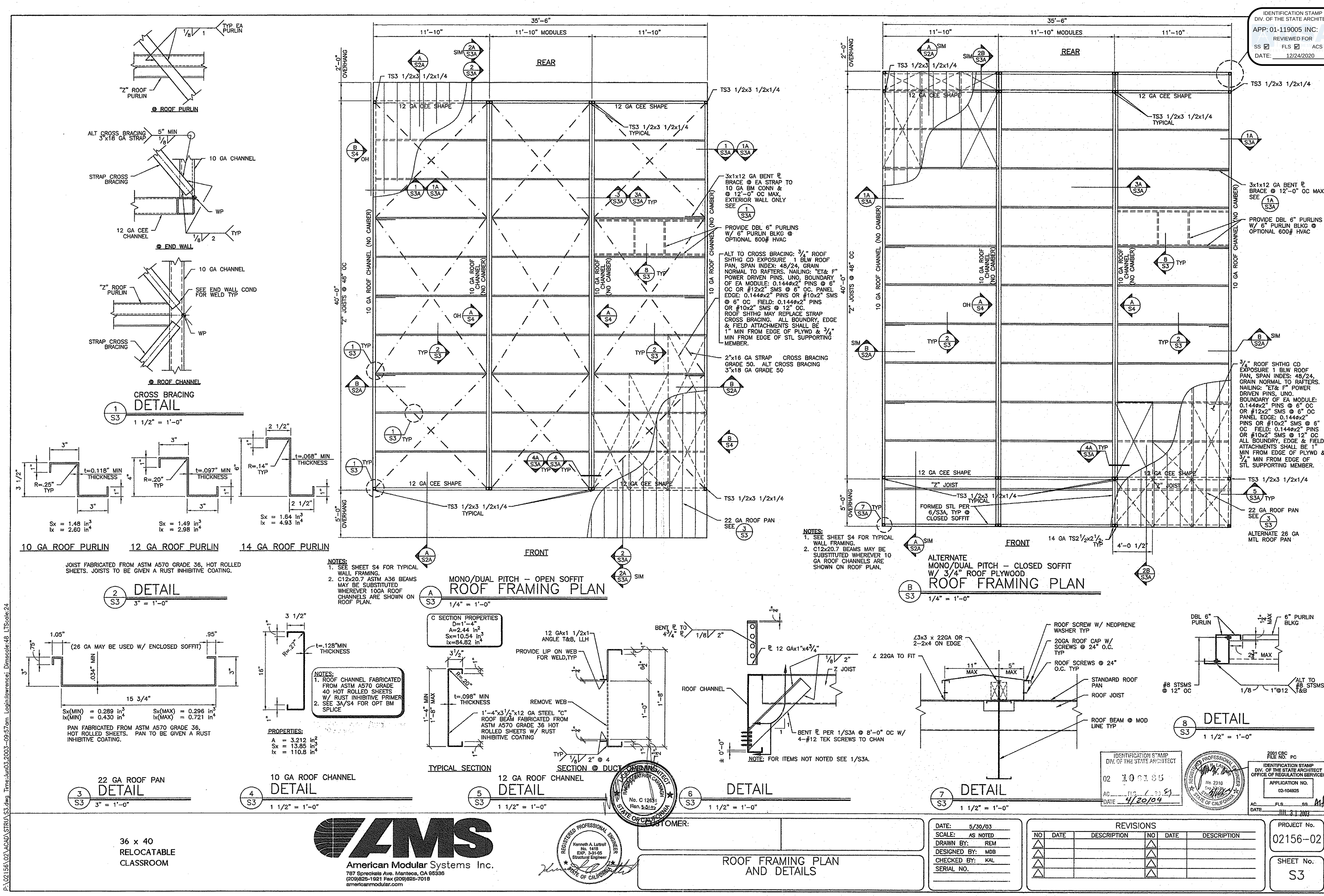
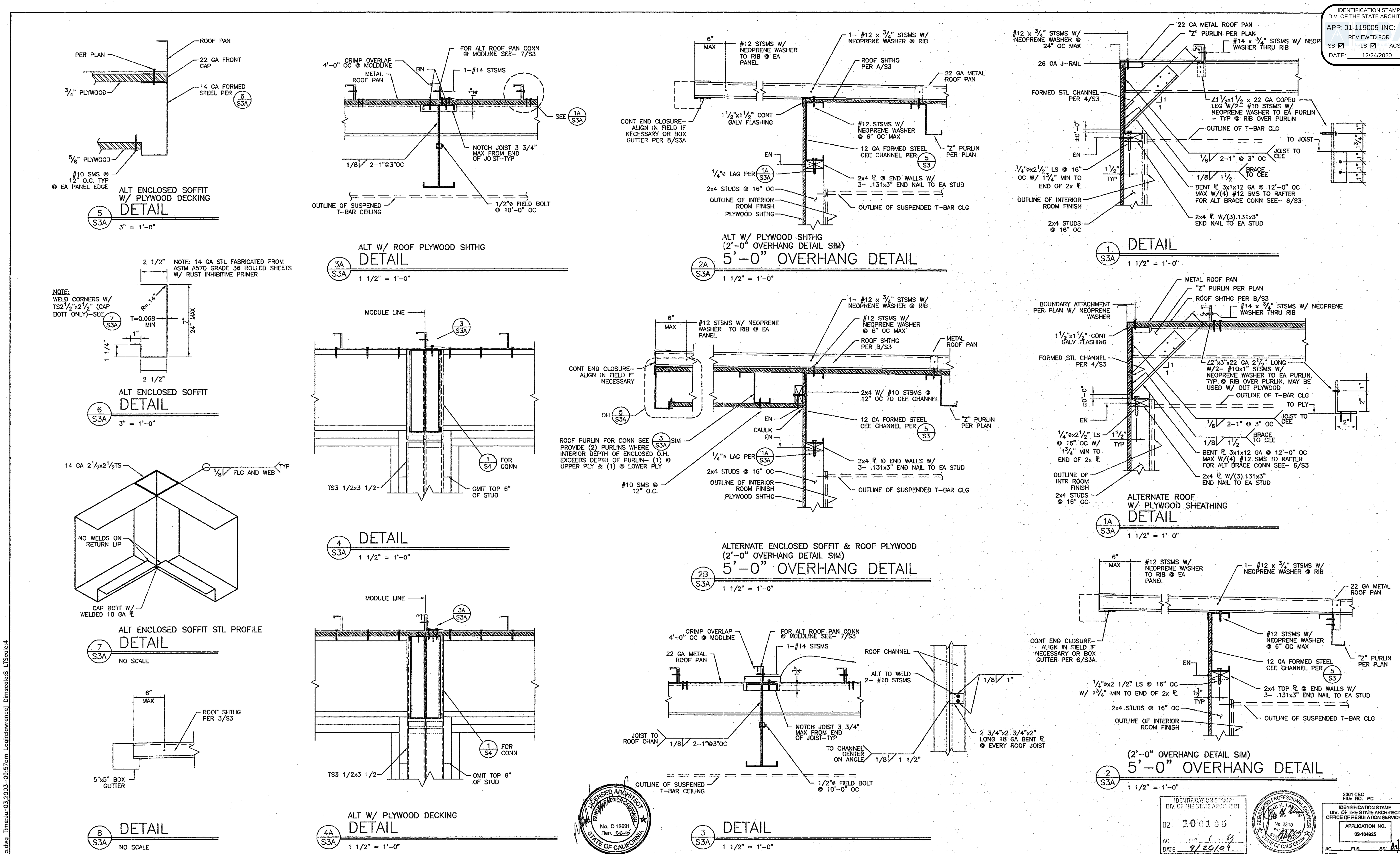
PROJECT No.
02156-02

SHEET No.
S2A



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020
TYP EA PURLIN
"Z" ROOF PURLIN
@ ROOF PURLIN
ALT CROSS BRACING 3"x18 GA STRAP
5" MIN
10 GA CHANNEL
STRAP CROSS BRACING
WP
12 GA CEE CHANNEL
TYP
@ END WALL
10 GA CHANNEL
"Z" ROOF PURLIN
SEE END WALL COND FOR WELD TYP
STRAP CROSS BRACING
@ ROOF CHANNEL
CROSS BRACING
DETAIL
1 1/2" = 1'-0"
t=0.118" MIN THICKNESS
R=.25" TYP
Sx = 1.48 in³
Ix = 2.60 in⁴
10 GA ROOF PURLIN
t=.097" MIN THICKNESS
R=.20" TYP
Sx = 1.49 in³
Ix = 2.98 in⁴
12 GA ROOF PURLIN
t=.068" MIN THICKNESS
R=.14" TYP
Sx = 1.64 in³
Ix = 4.93 in⁴
14 GA ROOF PURLIN
JOIST FABRICATED FROM ASTM A570 GRADE 36, HOT ROLLED SHEETS. JOISTS TO BE GIVEN A RUST INHIBITIVE COATING.
DETAIL
3" = 1'-0"
35'-6"
11'-10"
11'-10" MODULES
REAR
12 GA CEE SHAPE
TS3 1/2x3 1/2x1/4
TS3 1/2x3 1/2x1/4 TYPICAL
3x1x12 GA BENT PL BRACE @ EA STRAP TO 10 GA BM CONN & @ 12'-0" OC MAX. EXTERIOR WALL ONLY SEE
PROVIDE DBL 6" PURLINS W/ 6" PURLIN BLKG @ OPTIONAL 600# HVAC
ALT TO CROSS BRACING: 3/4" ROOF SHTHG CD EXPOSURE 1 BLW ROOF PAN, SPAN INDEX: 48/24, GRAIN NORMAL TO RAFTERS. NAILING: "ET& F" POWER DRIVEN PINS, UNO. BOUNDARY OF EA MODULE: 0.144ø x2" PINS @ 6" OC OR #12x2" SMS @ 6" OC. PANEL EDGE: 0.144øx2" PINS OR #10x2" SMS @ 6" OC FIELD: 0.144øx2" PINS OR #10x2" SMS @ 12" OC. ROOF SHTHG MAY REPLACE STRAP CROSS BRACING. ALL BOUNDRY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN FROM EDGE OF PLYWD & 3/4" MIN FROM EDGE OF STL SUPPORTING MEMBER.
2"x16 GA STRAP CROSS BRACING GRADE 50. ALT CROSS BRACING 3"x18 GA GRADE 50
22 GA ROOF PAN SEE
10 GA ROOF CHANNEL (NO CAMBER)
"Z" JOISTS @ 48" OC
40'-0"
2'-0" OVERHANG
5'-0" OVERHANG
FRONT
NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.
2. C12x20.7 ASTM A36 BEAMS MAY BE SUBSTITUTED WHEREVER 10GA ROOF CHANNELS ARE SHOWN ON ROOF PLAN.
MONO/DUAL PITCH – OPEN SOFFIT
ROOF FRAMING PLAN
1/4" = 1'-0"
3/4" ROOF SHTHG CD EXPOSURE 1 BLW ROOF PAN, SPAN INDES: 48/24, GRAIN NORMAL TO RAFTERS. NAILING: "ET& F" POWER DRIVEN PINS, UNO. BOUNDARY OF EA MODULE: 0.144øx2" PINS @ 6" OC OR #12x2" SMS @ 6" OC PANEL EDGE: 0.144øx2" PINS OR #10x2" SMS @ 6" OC FIELD: 0.144øx2" PINS OR #10x2" SMS @ 12" OC ALL BOUNDRY, EDGE & FIELD ATTACHMENTS SHALL BE 1" MIN FROM EDGE OF PLYWD & 3/4" MIN FROM EDGE OF STL SUPPORTING MEMBER.
"Z" JOIST
FORMED STL PER 6/S3A, TYP @ CLOSED SOFFIT
14 GA TS2 1/2x2 1/2 TYP
4'-0 1/2"
22 GA ROOF PAN SEE
ALTERNATE 26 GA MTL ROOF PAN
NOTES:
1. SEE SHEET S4 FOR TYPICAL WALL FRAMING.
2. C12x20.7 BEAMS MAY BE SUBSTITUTED WHEREVER 10 GA ROOF CHANNELS ARE SHOWN ON ROOF PLAN.
ALTERNATE
MONO/DUAL PITCH – CLOSED SOFFIT W/ 3/4" ROOF PLYWOOD
ROOF FRAMING PLAN
1/4" = 1'-0"
(26 GA MAY BE USED W/ ENCLOSED SOFFIT)
15 3/4"
Sx(MIN) = 0.289 in³
Ix(MIN) = 0.430 in⁴
Sx(MAX) = 0.296 in³
Ix(MAX) = 0.721 in⁴
PAN FABRICATED FROM ASTM A570 GRADE 36, HOT ROLLED SHEETS. PAN TO BE GIVEN A RUST INHIBITIVE COATING.
22 GA ROOF PAN
DETAIL
3" = 1'-0"
t=.128"MIN THICKNESS
NOTES:
1. ROOF CHANNEL FABRICATED FROM ASTM A570 GRADE 40 HOT ROLLED SHEETS W/ RUST INHIBITIVE PRIMER
2. SEE 3A/S4 FOR OPT BM SPLICE
PROPERTIES:
A = 3.212 in²
Sx = 13.85 in³
Ix = 110.8 in⁴
10 GA ROOF CHANNEL
DETAIL
1 1/2" = 1'-0"
C SECTION PROPERTIES
D=1'-4"
A=2.44 in²
Sx=10.54 in³
Ix=84.82 in⁴
t=.098" MIN THICKNESS
1'-4"x3 1/2"x12 GA STEEL "C" ROOF BEAM FABRICATED FROM ASTM A570 GRADE 36 HOT ROLLED SHEETS W/ RUST INHIBITIVE COATING
TYPICAL SECTION
12 GAx1 1/2x1 ANGLE T&B, LLH
PROVIDE LIP ON WEB FOR WELD,TYP
REMOVE WEB
SECTION @ DUCT OPENING
12 GA ROOF CHANNEL
DETAIL
1 1/2" = 1'-0"
BENT PL TO 4 3/4"
PL 12 GAx1"x4 3/4"
Z JOIST
ROOF CHANNEL
BENT PL PER 1/S3A @ 8'-0" OC W/ 4-#12 TEK SCREWS TO CHAN
NOTE: FOR ITEMS NOT NOTED SEE 1/S3A.
DETAIL
1 1/2" = 1'-0"
∠3x3 x 22GA OR 2-2x4 ON EDGE
∠ 22GA TO FIT
ROOF SCREW W/ NEOPRENE WASHER TYP
20GA ROOF CAP W/ SCREWS @ 24" O.C. TYP
ROOF SCREWS @ 24" O.C. TYP
STANDARD ROOF PAN
ROOF JOIST
ROOF BEAM @ MOD LINE TYP
DETAIL
1 1/2" = 1'-0"
DBL 6" PURLIN
6" PURLIN BLKG
#8 STSMS @ 12" OC
ALT TO #8 STSMS
DETAIL
1 1/2" = 1'-0"
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
02 104185
DATE 4/20/04
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPLICATION NO. 02-104925
JUN 3 1 2003
36 x 40
RELOCATABLE
CLASSROOM
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com
Kenneth A. Luttrell
No. 1416
EXP. 3-31-05
Structural Engineer
CUSTOMER:
ROOF FRAMING PLAN AND DETAILS
DATE: 5/30/03
SCALE: AS NOTED
DRAWN BY: REM
DESIGNED BY: MDB
CHECKED BY: KAL
SERIAL NO.
REVISIONS
NO DATE DESCRIPTION NO DATE DESCRIPTION
PROJECT No.
02156-02
SHEET No.
S3
P:\02156\02\ACAD\STRU\S3.dwg Time:Jun03,2003-09:57am Login:lawrencej Dimscale:48 LTScale:24



IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT 02 100185 AC FLS DATE 9/20/04

LICENSED ARCHITECT No. C 12631 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER No 2310 STATE OF CALIFORNIA

2001 CBC FILE NO. PC
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPLICATION NO. 02-104825
AC FLS SS
DATE JUL 3 1 2003

36 x 40
RELOCATABLE
CLASSROOM

AMS
American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

REGISTERED PROFESSIONAL ENGINEER Kenneth A. Luttrell No. 1418 EXP. 3-31-05 Structural Engineer STATE OF CALIFORNIA

CUSTOMER:

ROOF SECTIONS & DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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PROJECT No. 02156-02

SHEET No. S3A

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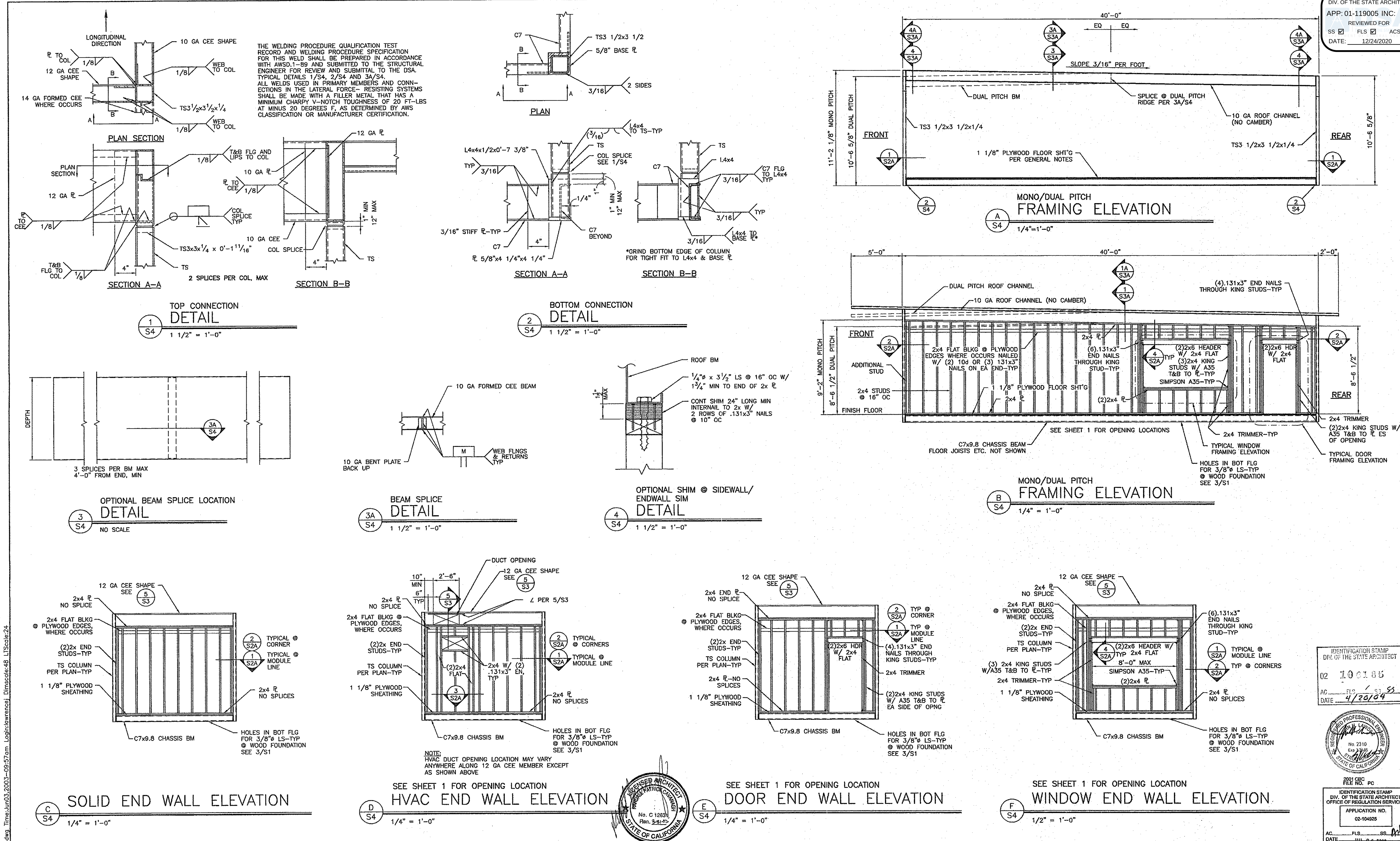

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American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
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CUSTOMER:

WALL FRAMING ELEVATIONS AND FRAME DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No. 02156-02

SHEET No. S4

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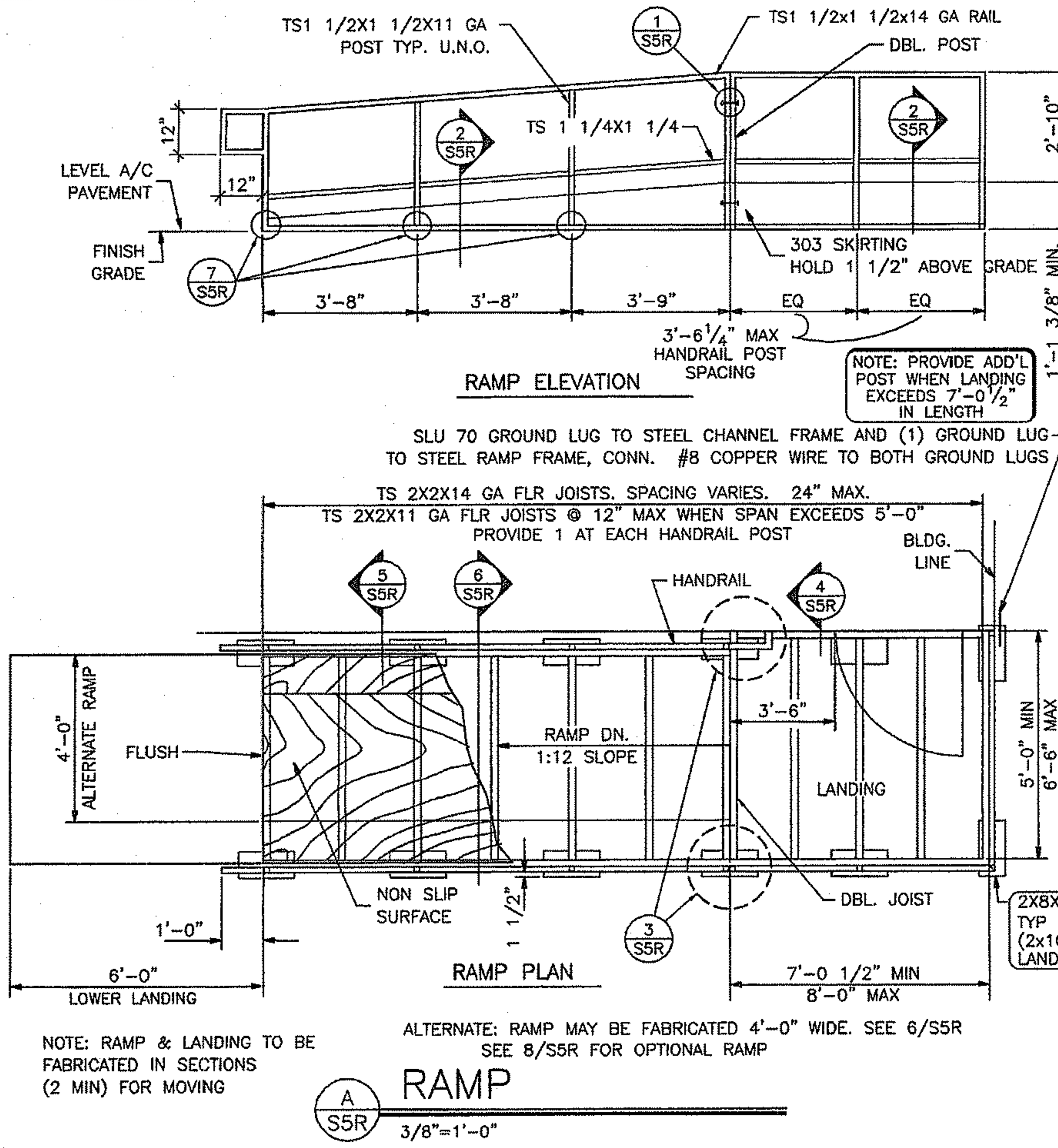
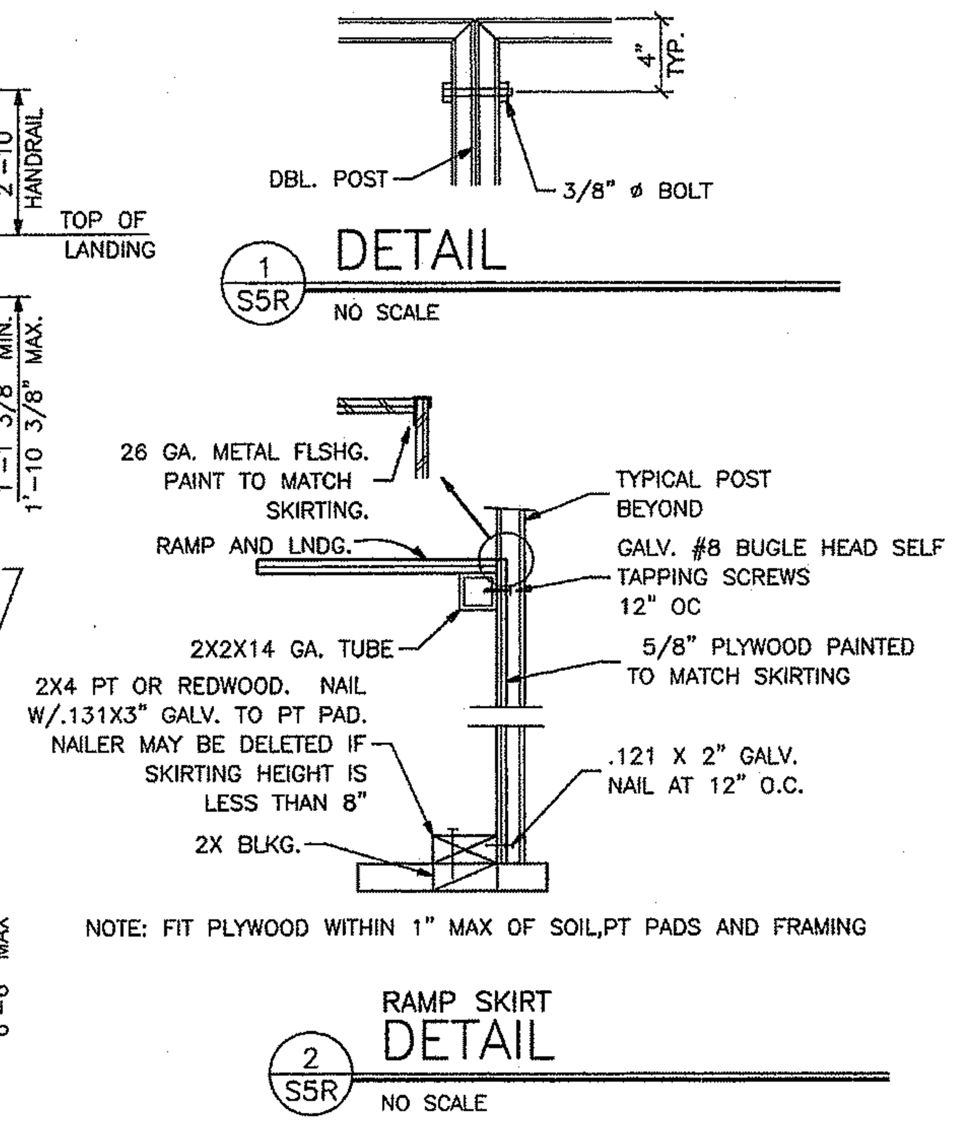
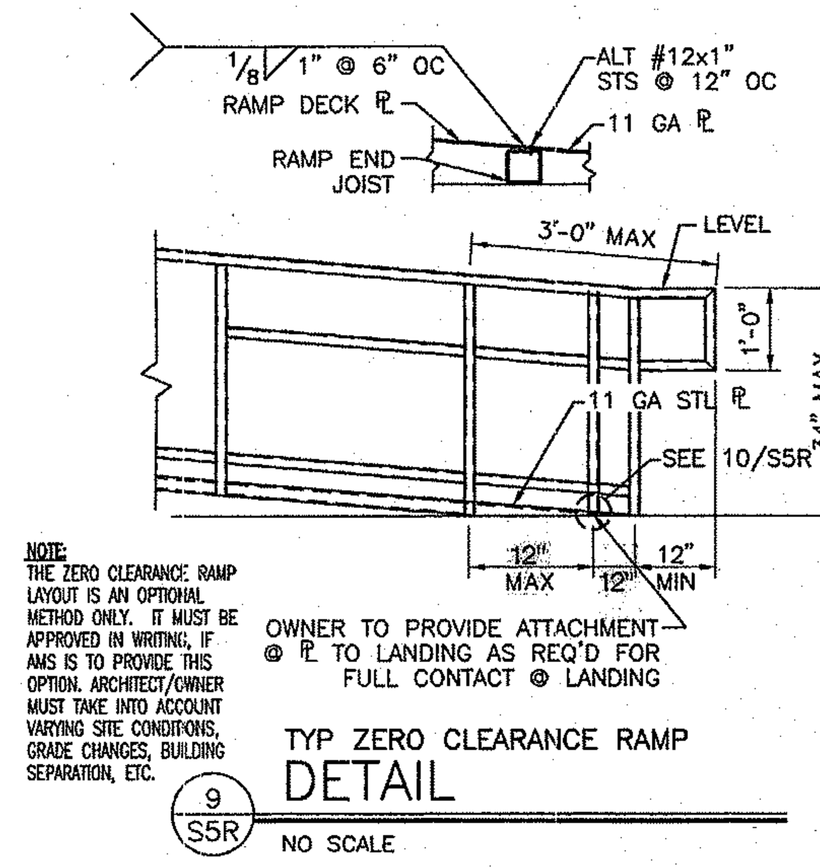
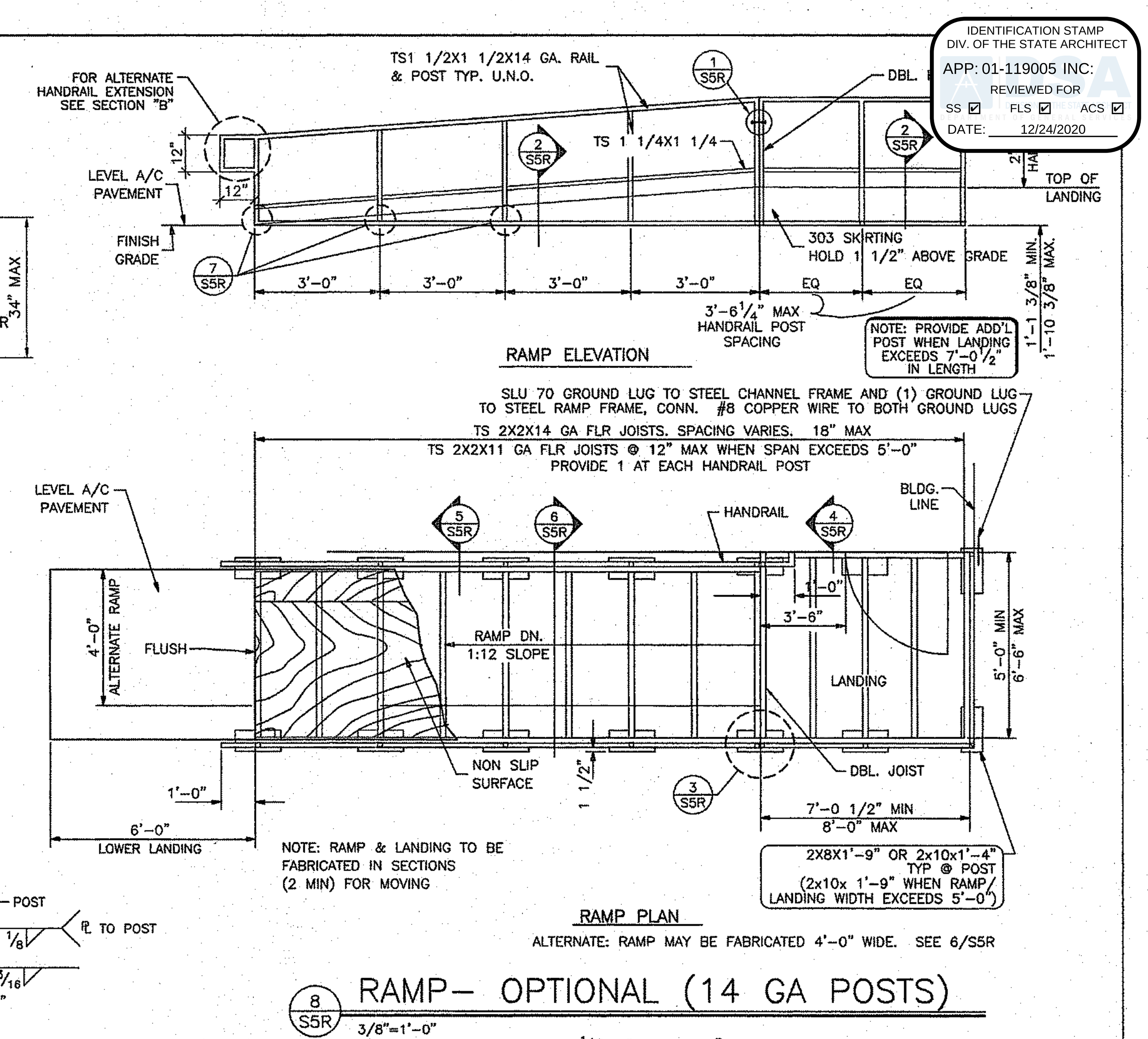


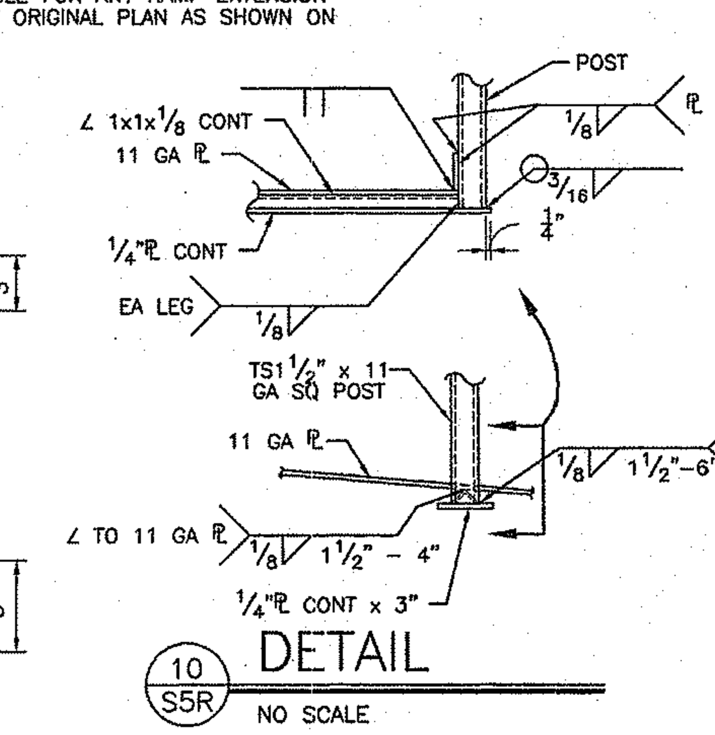


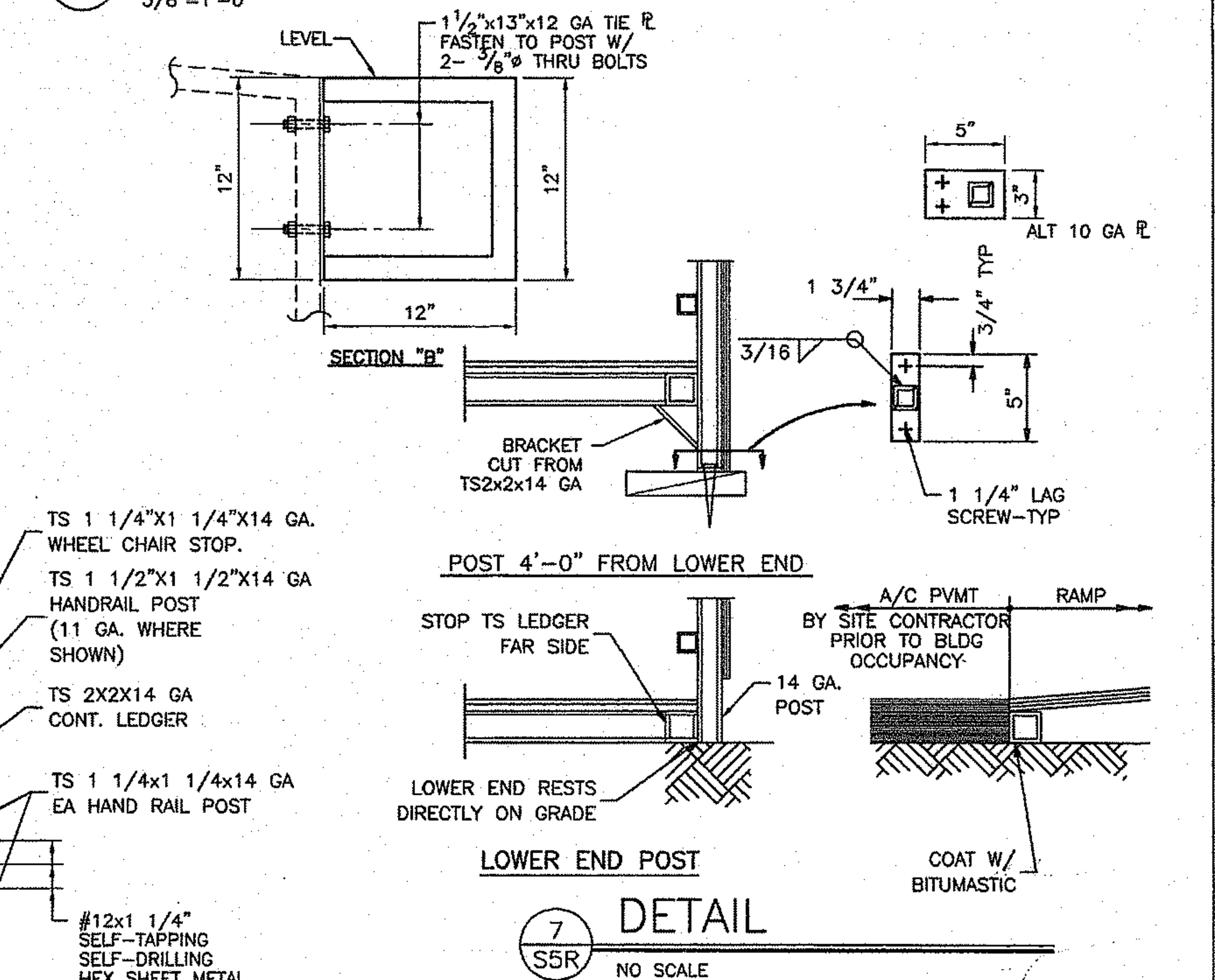


NOTES:

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12"
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP @ 34".
3. LANDING AND RAMP TO HAVE NON SLIP SURFACE.
4. PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/ #8 CU TO BOTH GROUND LUGS.
5. DUE TO VARYING SITE CONDITIONS THE MAXIMUM HEIGHT OF FINISH FLOOR FROM GRADE IS 26". THEREFORE, IT IS POSSIBLE THAT THE ACCESS RAMP ATTACHED TO THE BUILDING COULD BE 26'-0" AT A SLOPE OF 1:12. ARCHITECT MUST TAKE INTO ACCOUNT THAT THE RAMP SUPPLIED BY AMS INC. IS 12'-0" AT A SLOPE OF 1:12. THEREFORE, THE ARCHITECT WILL HAVE TO DESIGN AND PROVIDE SUFFICIENT DETAILS OF RAMP EXTENSIONS AND BOTTOM LANDING DEPENDING ON PARTICULAR SITE CONDITIONS. IN NO WAY IS AMS INC. RESPONSIBLE FOR ANY RAMP EXTENSION EXCEEDING THE ORIGINAL PLAN AS SHOWN ON SHEET S5R.







ENTRY RAMP AND LANDING SPECIFICATIONS

EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 1133B.5, 1006 AND 1007. THE RAMP AND LANDING STRUCTURES INCLUDING HANDRAIL AND WHEEL GUIDES ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE.

DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. TUBING SHALL BE STEEL CONFORMING TO ASTM A500 GRADE B. THE RAMP SURFACE SHALL BE 3/4" MARINE GRADE PLYWOOD.

RAMP AND LANDING SHALL HAVE A NON-SLIP (0.7 MIN C.O.F.) SURFACE FINISH APPLIED. NON-SLIP FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN CHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SPEC SECTION 9E. RAMPS SHALL HAVE HANDRAILS ON BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTIONN TO THE INTEGRAL RAMP HANDRAIL.

RAMP AND LANDING SHALL BE FULLY SKIRTED WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE SKIRT 1" MAXIMUM

FLOOR DECKING:

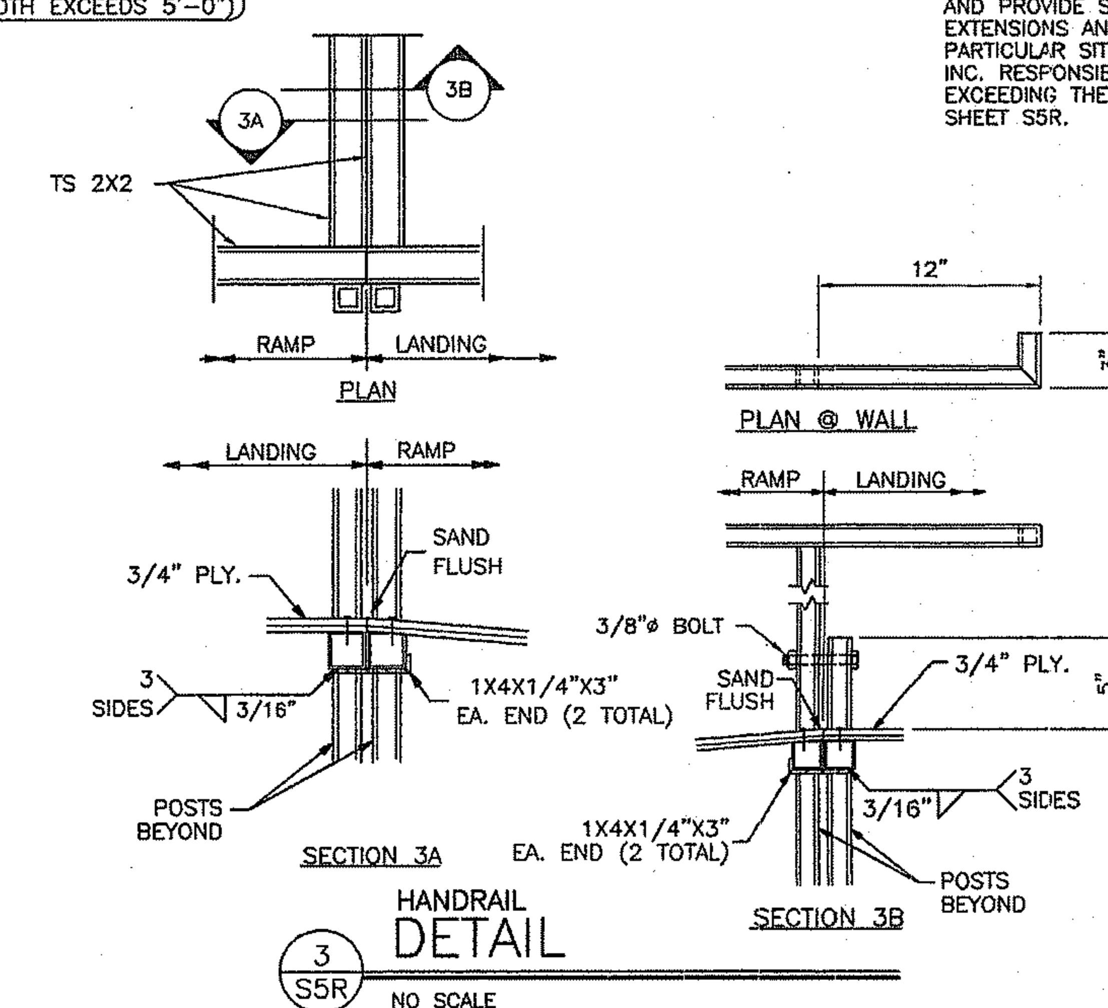
3/4" MARINE EXT. APA 48/24 PLYWOOD W/ NON-SLIP SURFACE. (SEE ALTERNATE) DECK SURFACES SHALL BE SEALED ON ALL SIDES. FASTENED TO STEEL FLOOR MEMBERS WITH #10-24 X 1 1/4" LONG PLY-METAL TYPE SCREWS @ 12" O.C.

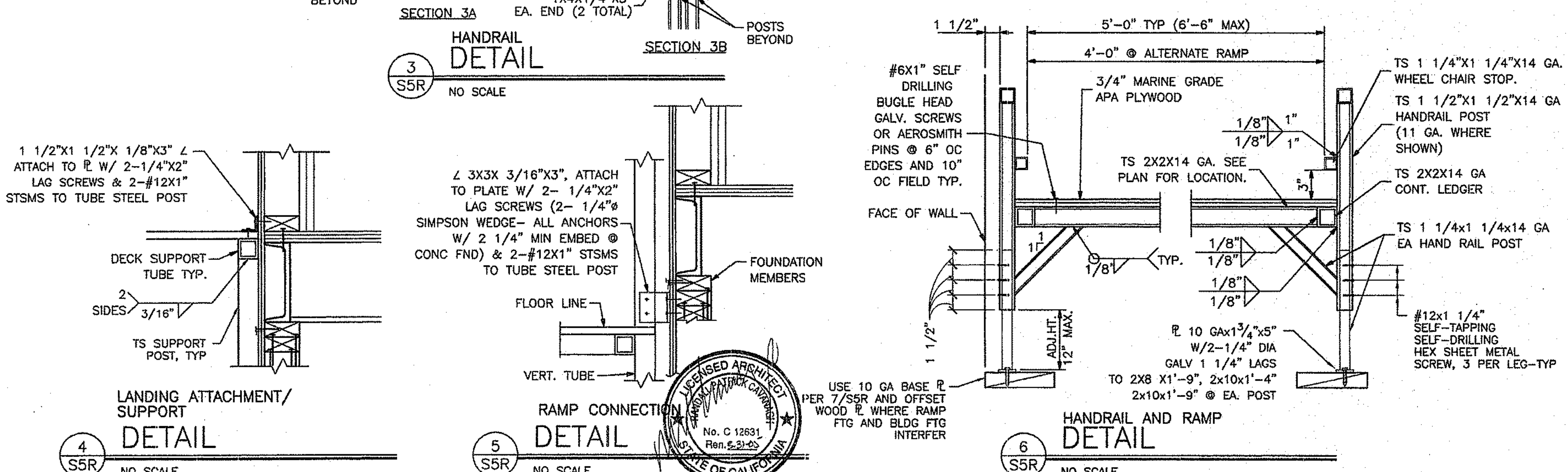
ALT. FLOOR DECKING:

1. 11 GA SHEET METAL WITH NON-SLIP SURFACE.

GROUNDING OF BUILDING COMPONENTS:

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECCESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.) GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHERS AND MEET THE REQUIREMENTS OF I.R. M-5 ISSUED BY DSA.





36 x 40
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(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:

RAMP PLAN, ELEVATIONS AND DETAILS

DATE:	5/30/03
SCALE:	AS NOTED
DRAWN BY:	REM
DESIGNED BY:	MDB
CHECKED BY:	KAL
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No. 02156-02

SHEET No. S5R

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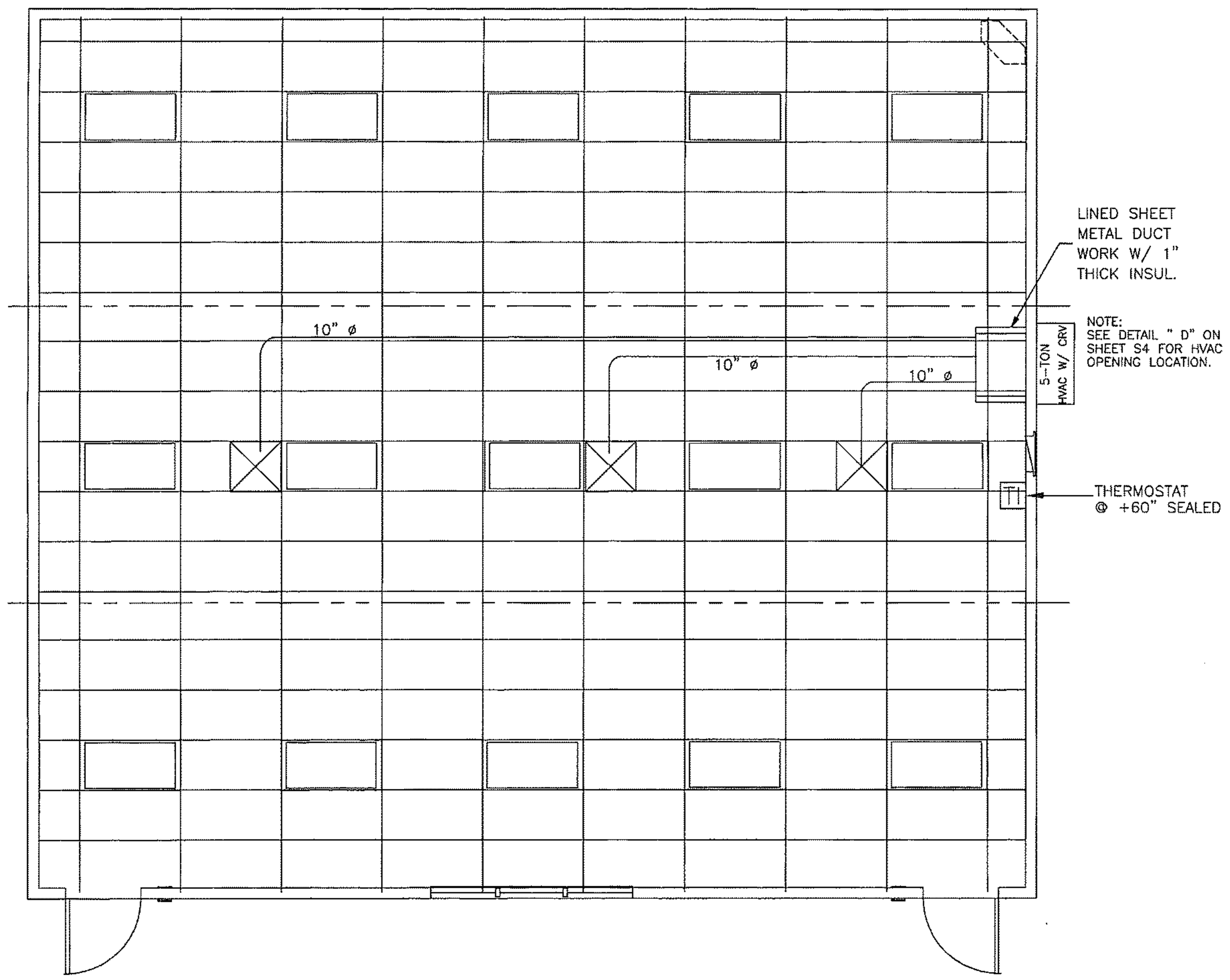
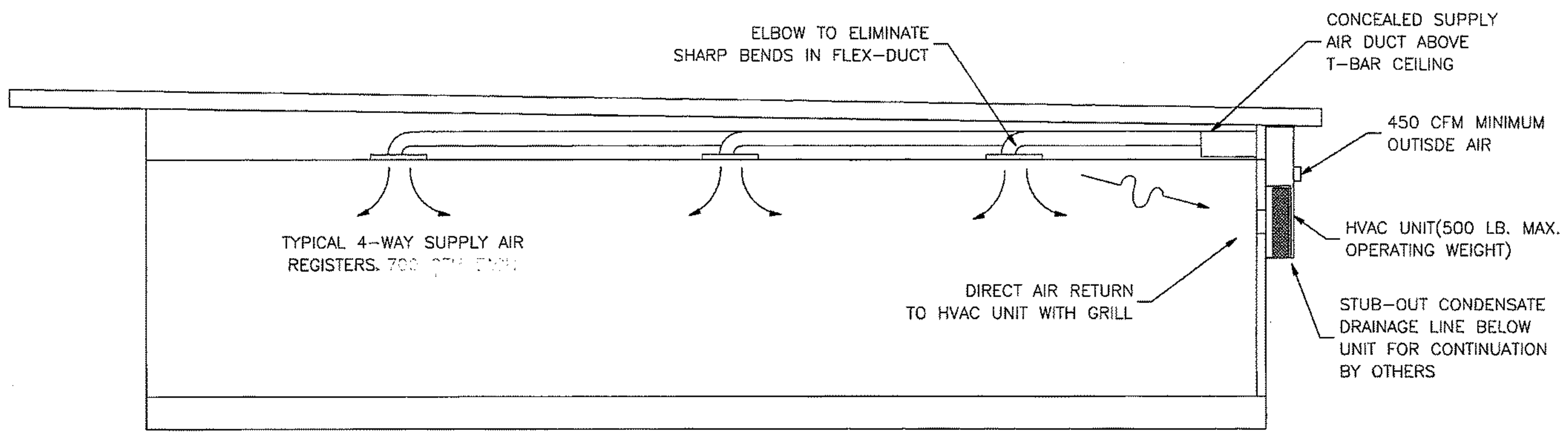


B/M1 HEAT/SUPPLY AIR DUCT LAYOUT

SCALE: 1/4"=1'-0"



A/M1 HEAT/SUPPLY AIR DUCT CROSS SECTION

SCALE: 1/4"=1'-0"

TITLE 24 ENERGY COMPLIANCE SUMMARY

PC # 02-104925

BUILDING DESCRIPTION: 36X40 Relocatable Building

Note: See Title 24 Energy Compliance Report Booklet for More Details.

Manufacturer: American Modular Systems

Envelope Measures

INSULATION

Roof: R-19 (Batt)
Wall: R-11 (Batt)
Floor: R-11 (Batt)

GLAZING

Panes: Dual U-Factor: 0.65
Frames: Metal SHGC: 0.34
Tinting: Solar Gray Tinting

Lighting Measures

Code:	Quantity:	Description:	Lamp/Ballast:	Total Watts:
A	12	(3) 4ft fluorescent T8 Elec Tandem	F32T8 / Electronic	1,056
B	3	(3) 4ft fluorescent T8 Elec	F32T8 / Electronic	339

Controls for Credit: Occ Sensor > 250 sq ft

Mechanical Measures

Modular:	Type:	Qty:	OSA:	Cooling Eff.:	Heating Eff.:
36x40	BARD WH602-A	1	1,065	10.20 SEER	7.00 HSPF

HP T-Stat: ■ Electric Heat (KW): 0.0 kw Duct Location: Conditioned Space

Economizer: □ Duct Isulation: R-4.2

HVAC CFM CHART

MODEL NUMBER	DISCRIPTION	MAX. CFM
~~WH421-A~~	~~3-1/2 TON HEAT PUMP~~	~~1400~~
~~WH482-A~~	~~4 TON HEAT PUMP~~	~~1550~~
WH602-A	5 TON HEAT PUMP	1700

NOTE
STUB OUT LOCATIONS FOR WATER, WASTE AND GAS ARE DIAGRAMITICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT THE FACE OF THE BUILDING.

DUCT SUPPORT
Flex duct to be supported with 1-1/2" wide x 26 ga. galv. strap @ max 6'-0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1-1/2" wide x 26 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners.
Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

THESE DRAWINGS COMPLY WITH THE ENERGY CONSERVATION REQUIREMENTS OF TITLE 24 OF THE STATE OF CALIFORNIA

GENERAL NOTES
HEATING VENTILATING AND AIR CONDITIONING (HV

1. Heat Pump: Single package wall mounte electric heat pump unit shall be rated i with ARI Standard 240-77.
   Reference Brands: ~~BARD WH421A-X~~ ~~BARD WH482A XX~~ BARD WH60A-XXXXXX W/ CRV

   MAXIMUM AC SIZE FOR THIS BUILDING WILL BE A 5-TON UNIT

   All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards.
   A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer
   B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.
2. Ductwork.
   A.) Construct all ductwork of galvanized sheet metal in accordance with C.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 2'-0" of HVAC unit.

   B.) Non-metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex-duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 2' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure.
   Reference Brands: Owens-Corning fiberglass ducttboard, 1" thick, and Micro-aire, TYPE 475.
   Non-metallic ductwork shall conform to NFPA 90-A and SMACNA Class 1 rating.
3. Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.
4. Supply air diffusers shall be 675 CFM max. 12" round. 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro-Aire type #475 Owens-Corning, Knauf, Certainteed, or equal and 90- B: UL #131 test, class 1 rating with "SMACNA".
5. Registers and diffusers: Provide three (Min) 4-way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, Shoemaker, Barber-Coleman or Krueger commercial grade grills and registers
6. Air conditioning controls.
   Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.
   A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24-hour period.
   B.) Key board lockout switch.
   C.) Programmable display.
   D.) 2-hour override minimum.
   E.) Status Indicated Led's.
   F.) Battery back-up.
   Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers IF92-371. Mount at + 60" sealed.
7. Thermal insulation
   A.) Roof Insulation: See title 24 energy compliance summary this page.
   B.) Walls Insulation: See title 24 energy compliance summary this page.
   C.) Floor Insulation: See title 24 energy compliance summary this page.
   Flame spread and smoke development shall conform to California Building Code sec. 707.
8. Factory-made air ducts. Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliancewith U.M.C. Standard No. 6-1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6-1.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

REGISTERED PROFESSIONAL ENGINEER No 2310 STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
02-106185
AC FLS SS
DATE 4/20/04

BASED ON PC 02-104925

36 X 40 PC
RELOCATABLE
CLASSROOMS

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-512 THRU 516

MECHANICAL PLAN & NOTES

DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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PROJECT No.

SHEET No.
M1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
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DATE: 12/24/2020

Mechanical Mandatory Measures

Equipment and Systems Efficiency

☐ §111 Any appliance for which there is a California standard established in the Appliance Efficiency Regulations with comply with the applicable standard.

☐ §115(a) Fan type central furnaces shall not have pilot lights.

☐ §123 Piping, except that conveying fluids at temperatures between 60 and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.

☐ §124 Air handling duct systems shall be installed and insulated in compliance with Sections 601, 603 and 604 of the Uniform Mechanical Code.

Controls

☐ §12(e) Each space conditioning system shall installed with one of the following:

☐ §122(E) Each space conditioning system serving building types such as offices and manufacturing facilities (and all others not explicitly exempt from the requirements of section 122(d)) shall be installed with an automatic time switch with an accessible manual override that allows operation of the system during off-hours for up to 4 hours. The time switch shall be capable of programming different schedules for weekdays and weekends; incorporate an automatic holiday "shut off" feature that turns off all loads for at least 24 hours, then resumes the normally scheduled operation; and has program backup capabilities that prevent the loss of the device's program and time settings for at least 10 hours if power is interrupted; or

☐ §122(a) An occupancy sensor to control the operating period of the systems; or

☐ §113(b) A 4-hour timer that can be manually operated to control the operating period of the system.

☐ §122(e) Each space conditioning system shall be installed with controls that temporarily restart and temporarily operate the system as required to maintain a setback heating and/or a setup cooling thermostat setpoint.

☐ §122(g) Each space conditioning system serving multiple zones with combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone: shall not exceed 25,000 square feet; shall be provided with devices, such as valves or dampers, that allow supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.

☐ §122 (A&B) Each space conditioning zone shall be controlled by an individual thermostatic control that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55 degF or lower. For cooling, the control shall be adjustable up to 85 degF or higher. Where used to control both heating and cooling, the control shall be capable of providing a dead band of at least 5°F within which the supply of heating and cooling is shut-off or reduced to a minimum.

☐ §122(c) Thermostats shall have numeric setpoints in degrees Fahrenheit (F) and adjustable setpoint stops accessible only to authorized personnel.

☐ §122(b) Heat Pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.

Ventilation

☐ §121(e) Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified in these plans.

☐ §122(f) Gravity or automatic dampers interlocked and closed on fan shutdown shall be provided on the outside air intakes and discharges of all space conditioning and exhaust systems.

☐ §122(f) All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.

☐ §121(f) Air Balancing: The system shall be balanced in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1983), or Associated Air Balance Council (AABC) National Standards (1986); or

☐ §121(f) Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C-20 Mechanical contractor and certified by (1) the design mechanical engineer, (2) the installing licensed C-20 mechanical contractor, or (3) the person with overall responsibility for the design of the ventilation system; or

☐ §121(f) Outside Air Measurement: The System shall be equipped with a calibrated local or remote device capable of measuring the quantity of outside air on a continuous basis and displaying that quantity on a ready accessible display; or

☐ §121(f) Another method approved by the Commission.

Envelope Mandatory Measures

☐ §118(a) **Installed Insulating Material** shall have been certified by the manufacturer to comply with California Quality Standards for insulating material, Title 20

☐ §118(c) **All Insulating Materials** shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of the Title 24, Part 2

☐ §117(a) **All Exterior Joints** and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.

☐ §116(b) **Site Constructed Doors, Windows, and Skylights** shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).

☐ §116(a) **Manufactured Doors and Windows** installed shall have air infiltration rates not exceeding those shown in Table Number 1-E. of standards. manufactured fenestration products must be labeled for U-value according to NFRC procedures.

☐ §118(e) **Demising Walls in Nonresidential Buildings:** The Opaque portions of frames not exceeding those shown in framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-11 between framing members.

Mechanical Mandatory Measures – Cont.

Service Water Heating Systems

☐ §113(b) If a circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.

☐ §113(b) Lavatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110°F.

☐ §113(b) Lavatories in restrooms of public facilities shall be equipped within of the following:

☐ Outlet devices that limit the flow of hot water to a maximum of 0.5 gallons per minute

☐ Foot actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute.

☐ Proximity sensors actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute

☐ Self-closing valves, and outlets devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.25 gallons/cycle (circulating system).

☐ Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.50 gallons/cycle (non-circulating system)

☐ Self-closing valves, and outlet devices that limit the flow of hot water to a maximum of 2.5 gallons per minute, and 0.75 gallons/cycle (foot switches and proximity sensor controls).

Pools and Spas

☐ Pool and/or spa heating systems or equipment shall be installed only if the manufacturer has certified that the system or equipment meets the requirements of *114 and *115 of the Energy Efficiency Standards. Equipment shall not have a pilot light. All such systems shall be installed with at least 36" of pipe between the filter and the heater to allow for the future addition of solar heating equipment.

☐ A cover shall be provided for outdoor pools.

☐ A cover shall be provided for outdoor spas.

☐ Pools shall be installed with directional inlets that adequately mix the pool water.

☐ Pool circulation pump(s) shall be provided with a time switch that allows the pump to be set to run in the off-peak electrical demand period, and for the minimum time necessary to maintain the water in the conditions required by applicable public health standards.

Lighting Mandatory Measures

☐ §131(d)1 **For every floor, all interior lighting** systems shall be equipped with a separate automatic control to shut off the lighting. This automatic control shall meet the requirements of Section 119 and may be an occupancy sensor, automatic time switch, or other device capable of automatically shutting off the lighting.

☐ §131(d)2 **Override for Building Lighting Shut-Off** The automatic building shut-off system is provided with a manual, accessible override switch in sight of the lights. The area of override is not to exceed 5,000 square feet.

☐ §119(h) **Automatic control Devices Certified** All automatic devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.

☐ §113(b) **Fluorescent Ballast and Luminaries Certified** All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.

☐ §132 **Tandem Wiring for One and Three Lamp Fluorescent Fixtures:** All one and three lamp fluorescents fixtures are tandem wired with two lamp ballasts were required by Standards Section 132; or all three lamp fluorescents fixtures are specified with electronic high-frequency ballasts and are exempt from tandem wiring requirements.

☐ §131(a) **Individual Room/Area Controls:** Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.

☐ §131(b) **Uniform Reduction for Individual Rooms** All rooms and areas greater than 100 square feet and more than 0.8 watts per square foot of lighting shall be controlled with Bi-level switching for uniform reduction of lighting within the room.

☐ §131(c) **Daylit Area Control** All rooms with windows and skylights, that are greater than 250 square feet, and that allow for the effective use of daylight in the area shall have 50% of the lamps in each daylit area controlled by a separate switch; or The effective use of daylight cannot be accomplished because the windows are continuously shaded by a building on the adjacent lot. Diagram of shading during different times of year is included on plans.

☐ §131(f) **Control of Exterior Lights** Exterior mounted fixtures and served from the electrical panel inside the building are controlled with a directional photo cell control on the roof and a corresponding relay in the electrical panel.

☐ §131(e) **Display Lighting: Display lighting** Exterior mounted fixtures and served shall be separately switched on circuits that are 20 amps of less.

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DIV. OF THE STATE ARCHITECT
02 104925
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DATE 4/20/04

FILE NO. PC
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OFFICE OF REGULATION SERVICES
PC 02-104925
AC ___ FLS ___ SS
DATE NOV 0 4 2003

36 X 40 PC
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LICENSED ARCHITECT
STATE OF CALIFORNIA
3-31-05
RENEWAL DATE

CUSTOMER:

ENERGY MANDATORY MEASURES

DATE:	10-02-03
SCALE:	NONE
DRAWN BY:	Y.A.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
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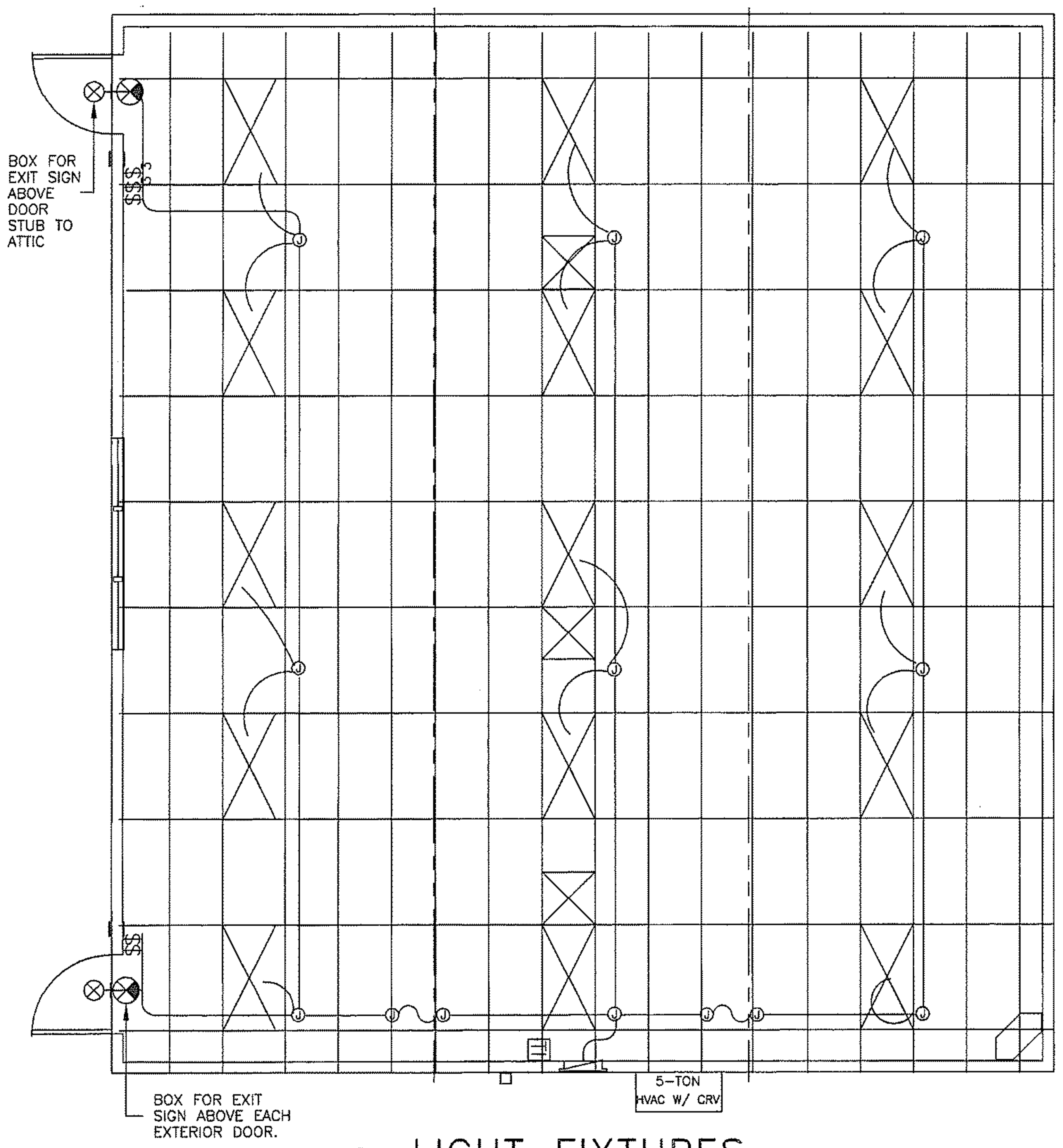
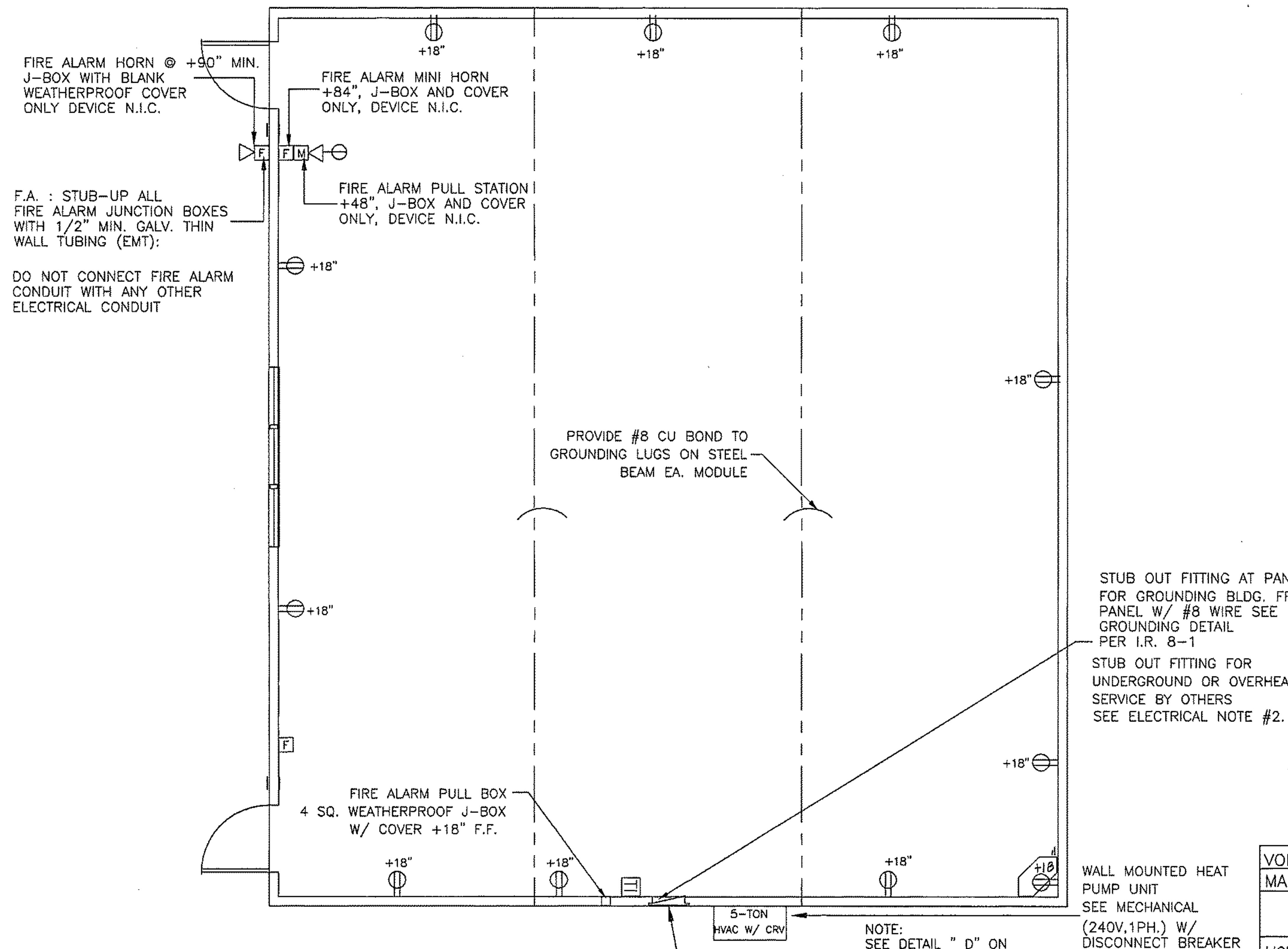
PROJECT No.

SHEET No.
M2



1/E1 LIGHT FIXTURES

SCALE: 1/4"=1'-0"



2/E1 ELECTRICAL PLAN

SCALE: 1/4"=1'-0"

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFOR[M] ... CALIFORNIA ELECTRICAL CODE.
2. INSTALLATION OF THE FIRE ALARM SYSTE[M] ... STARTED UNTIL DETAILED PLANS AND SP... INCLUDING CALIFORNIA STATE FIRE MARS[HAL] ... NUMBERS FOR EACH COMPONENT OF TH[E] ... APPROVED BY THE DIVISION OF THE STAT[E] ...
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
4. VISUAL ALARMS IN TOILET ROOMS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC
2. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
3. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

FIXTURE NOTES:

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA ADMINISTRATIVE CODE TITLE
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. T-8 ELECTRONIC BALLASTS (3)35 WATT TUBES, WT. 27 LBS.	SP41 32 W	CRESCENT MASTER 24GP332FSA11KOYU1 SLAVE 24GP332FSA11XXXV6
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W TT 2700 K	ENERTRON 7026B-L OR OR EQUAL

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES.
FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.
THE LIGHTS FOR EACH ROOM OVER 250 SQUARE FEET SHALL BE CONTROLLED BY ULTRASONIC OCCUPANCY SENSOR. WATT STOPPER W-500A, W-1000A, OR W-2000A (OR EQUAL) BASED ON THE ROOM SIZE. IN CONJUCTION WITH BI-LEVEL SWITCHING.

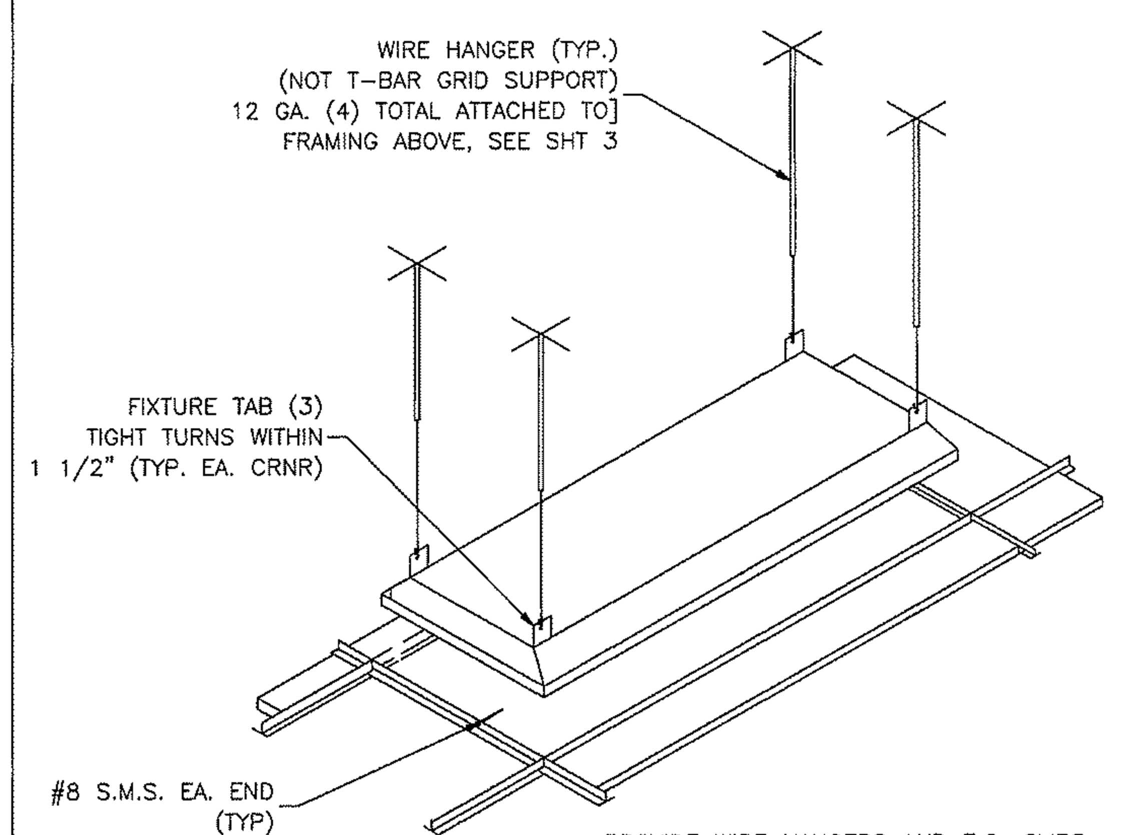
120/208 VOLT IN COMING POWER IS ACCEPTABLE

VOLTS: 120/240 SINGLE PHASE | PANEL: A | FEED: EXTERIOR LB
MAIN: 200 AMP MAIN BKR. | LOCATION: INTERIOR | MOUNTING: FLUSH

LOAD	WATTS A	WATTS B	BRK. AMP	BRK. P	CIR	A	B	CIR	BRK. P	BRK. AMP	WATTS A	WATTS B	LOAD
LIGHTS, FLUORESCENT	570		15	1	1			2	2	90	7810		A/C HVAC UNIT
LIGHTS, FLUORESCENT		570	15	1	3			4	2	90		7810	
EXTERIOR LIGHT & CLOCK	100		15	1	5			6					SPACE
DUPLEX RECEPT.		720	15	1	7			8					
DUPLEX RECEPT.	720		15	1	9			10					
LIGHTS, FLUORESCENT		570	15	1	11			12					
DUPLEX RECEPT.	720		15	1	13			14					
DUPLEX RECEPT.		720	15	1	15			16					
SPACE					17			18					
					19			20					
					21			22					
PHASE WATTAGE	2110	2580									7810	7810	PHASE WATTAGE

TOTAL WATTS "A"LEG: 9920 | TOTAL WATTS A+B=20310 | TOTAL WATTS "B" LEG 10390
TOTAL WATTS: 20310 | 85 AMPS | 120/240V | SINGLE PHASE | 200AMP BUS.
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD. SEE SITE ELEC. PLAN.

3/E1 ELECTRICAL PANEL -A



PROVIDE WIRE HANGERS AND E.Q. CLIPS AS REQUIRED BY CALIFORNIA SEISMIC REGULATIONS T-24 SEC:2501.A.5 & IR. M-3

SUPPORT DETAIL

3/4"=1'-0"

The H.V.A.C. unit feeder circuit – panel circuit breaker, feeder wire, unit disconnect and fuses (where used) – is to be coordinated with the name plate data at the time ofmanufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 60 degrees C. wire is to be used in this installation, calculations demonstrating ampacity be provided on the drawing.

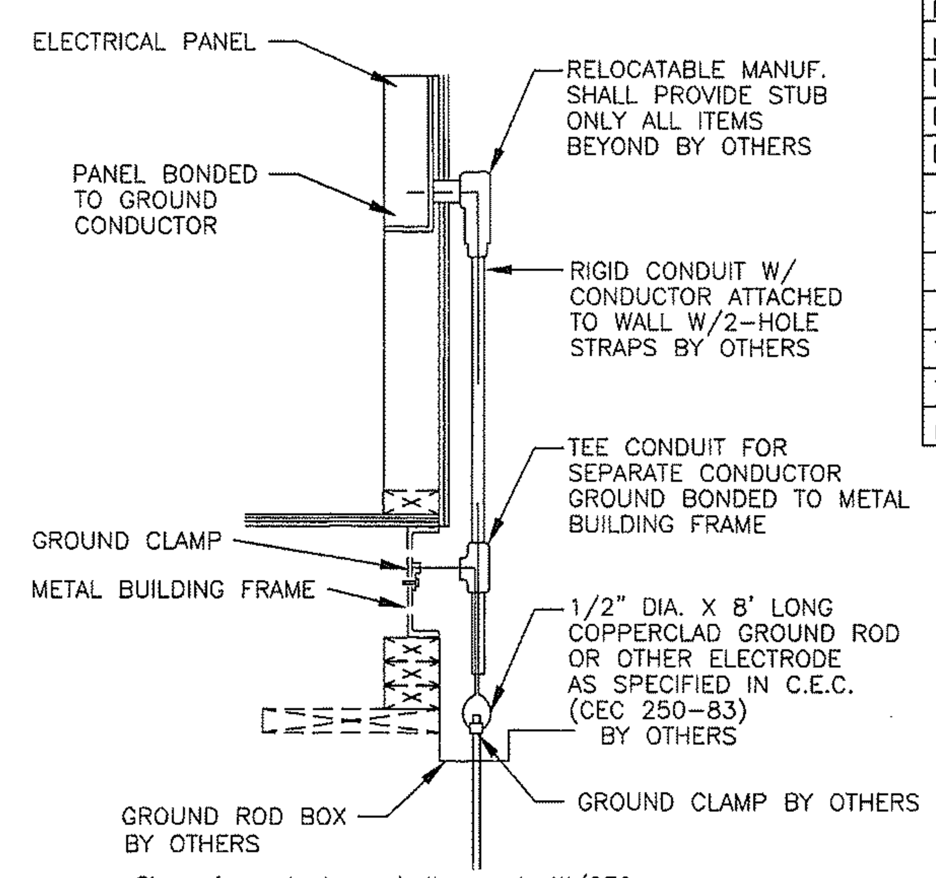
FIRE ALARM
Junction boxes – Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18– above finish floor for future connection.
Covers – Install gasketed, metal, waterproof, finish covers at exterior locations. Install finish covers at interior locations.

ELECTRICAL
1. Electrical service drop and connections supplied by others.
2. Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
3. Electrical panel board shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.
4. 2x4 Flourescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH-12, Carolite, Inc. #C-12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be .125 inch.
5. Flourescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
6. Clock – 12" dial clock on clock outlet.
   A) Clock shall be General Electric model 2912 129V 60 cycle OR EQUAL
   B) Clock outlet shall be Bryant #2828 or equal with seperable hanging clip & app'd recept.

Size of conductors shall comply W/CEC

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE – RESCESSED.
- FLUORESCENT LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
- INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +18" TO CENTER LINE.
- SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE.
- ELECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1", #22-4"X2"
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- a — SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +18" TO CENTER LINE.
- JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
- PANELBOARD – SEE SCHEDULE.
- TERMINAL CABINET – SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#12 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#12 WIRE CIRCUIT, FOR MORE THAN 2#12 WIRES AS FOLLOWS, 3#12, 4#12 ETC. FOR OTHER SIZES AS FOLLOWS, 3#10, 4#6 ETC.
- (A) — FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
- N.I.E.S. — ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT — ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- [W.E.F.] — WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- F — FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- F — FIRE ALARM HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90"
- S — SPEAKER– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
- INTERCOM TELEPHONE– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- FIRE ALARM VISUAL ALARM– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96".



Size of conductors shall comply W/CEC
Bond separate conductors from ground rod to electrical panel & metal building frame (CEC).
In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available (CEC).
Electrical bond modules together W/#8 CU @ modline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods (CEC) as required. Grounding detail per DSA I-R M-3
INSPECTOR TO WITTINESS GROUNDING TEST.

A/E1 BUILDING GROUND DETAIL

N.T.S.

NOTE:
THE PROJECT ARCHITECT SHALL BE RESPONSIBLE FOR THE PLACEMENT OF HEAT AND SMOKE DETECTORS WHEN THE SITE SPECIFIC PROJECT IS REQUIRED TO MEET THE PROVISIONS OF SB 575

NOTE
STUB OUT LOCATIONS FOR ELECTRICAL PANEL, FIRE ALARM, AND DATA BOXES. LOCATIONS SHOWN ARE DIAGRAMMATICAL ONLY. EXACT LOCATIONS MAY VARY +/- SEVERAL FEET. PLEASE CONTACT AMERICAN MODULAR SYSTEMS FOR EXACT LOCATIONS. POINT OF CONNECTION WILL BE AT FACE OF BUILDING.

REGISTERED PROFESSIONAL ENGINEER JOHN H. LAWSON No. 2310 STATE OF CALIFORNIA

FILE NO.
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
02-106185
AC ___ FLS ___ SS ___
DATE 4/20/04

BASED ON PC 02-104925

36X40 PC RELOCATABLE CLASSROOM

American Modular Systems Inc.
787 Spreckels Ave. Manteca, CA 95336
(209)825-1921 Fax (209)825-7018
americanmodular.com

CUSTOMER:
MOBILE MODULAR MANAGEMENT
#04-906-512 THRU 516

ELECTRICAL PLAN, DETAILS & NOTES

DATE: 04-14-04
SCALE: NONE
DRAWN BY: Y.A.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

SHEET No. E1

MODULAR TOILET BUILDINGS - 12' X 40' (MODELS 'A', 'B', 'C' AND 'D') AND OPTIONAL WORKROOM 12' X 40' (MODEL 'E')

PC 04-116720

BY

SILVER CREEK INDUSTRIES, INC.
2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE : (951) 943-5393 FAX : (951) 943-2211

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

E-485

GENERAL NOTES

1. FIRE ALARM IS NOT PART OF THIS APPROVAL
2. ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2016 CBC 705.3
3. THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.
4. PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING
5. FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS
6. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES
8. EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2016 CBC.
9. EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1406.
10. SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.
11. PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL"
12. BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A AND SHALL NOT UTILIZE THE TUBULAR SKYLIGHT OPTION INCLUDED WITHIN THIS PC.
13. THIS PC IS NOT DESIGNED FOR USE WITHIN A 65 CNEL NOISE CONTOUR AND THIS PC DOES NOT COMPLY WITH CAL GREEN SECTION 5.507.4.1. IF THIS PC BUILDING IS SITE ADAPTED TO A SITE THAT MEETS THE REQUIREMENTS OF CAL GREEN SECTION 5.507.4.1. THE SITE SPECIFIC DRAWING PACKAGE MUST INCLUDE COMPLIANT ASSEMBLIES FOR THE WALLS, ROOF, WINDOWS & DOORS.
14. ALL SPACES WITH A DESIGN FLOOR LIVE LOAD GREATER THAN 50 PSF SHALL HAVE SIGN (BY OTHERS) POSTED ADJACENT TO THE MAIN ENTRY DOOR WHICH INDICATES THE MAXIMUM ALLOWABLE LIVE LOAD.

APPLICABLE STANDARDS

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CALIF AMENDED)	2016 EDITION
NFPA 72	NAT. FIRE ALARM CODE (CALIF. AMENDED) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2016 EDITION

APPLICABLE CODES

LIST OF 2016 CALIFORNIA CODE OF REGULATIONS

2016 BUILDING ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
2016 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 & 2, PART 2, TITLE 24 C.C.R.
(2015 INTERNATIONAL BUILDING CODE VOLUMES 1-2 & 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2014 NATIONAL ELECTRICAL CODE & 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(2015 IAPMO UNIFORM MECHANICAL CODE & 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2015 IAPMO UNIFORM PLUMBING CODE & 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2015 INTERNATIONAL FIRE CODE & 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2016 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
NFPA 13 AUTOMATIC SPRINKLER SYSTEMS 2013 EDITION (WHERE APPLICABLE)
NFPA 72 NATIONAL FIRE ALARM CODE 2013 EDITION (WHERE APPLICABLE)
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")

BUILDING DATA

NUMBER OF STORIES:	1 - STORY
OCCUPANCY:	E or B
TYPE OF CONSTRUCTION:	V-B
FLOOR LIVE LOAD:	☐ 50 PSF ☑ 50+15 PSF PARTITION LOAD ☐ 100 PSF ☐ 150 PSF
ROOF LIVE LOAD:	20 PSF
FLOOR DEAD LOAD:	☑ WOOD FLOOR - 11 PSF ☐ CONCRETE FLOOR - 33 PSF
ROOF DEAD LOAD:	13.5 PSF (INCLUDING SPRINKLER LOAD AND 1 PSF SOLAR LOAD)
RAMP LIVE LOAD:	100 PSF
BUILDING AREA:	480 SF (NO OVERHANG)
ALLOWABLE AREA: 9,000 S.F.	570 SF (WITH OVERHANG)
FOUNDATION:	☑ WOOD ☐ CONCRETE
CEC CLIMATE ZONE:	1-16

ALLOWABLE SOIL PRESSURE

DL (WOOD FOOTING)	1,000 psf
DL + LL (WOOD FOOTING - 1,000 PSF MAX)	1,000 psf
DL + LL + SNOW (WOOD FOOTING)	1,000 psf
DL + LL + SEISMIC (WOOD FOOTING)	1,000 psf
DL + LL (CONCRETE FOOTING)	1,500 psf
DL + LL + SEISMIC (CONCRETE FOOTING)	1,500 psf

ROOF SNOW LOAD

GROUND SNOW LOAD, P_g FROM COUNTY	0
ROOF SNOW LOAD: ☑ FLAT P_f OR ☐ LOW-SLOW, P_m OR ☐ SLOPED, P	
SNOW EXPOSURE FACTOR C_e	-
SNOW IMPORTANCE FACTOR I	1.0
THERMAL FACTOR C_t	-

FLOOD DESIGN

FLOOD HAZARD AREA	YES ☐ NO ☑

WIND DESIGN

BASIC WIND SPEED (3 SECOND GUST) V_{ult}	129
RISK CATEGORY	II
WIND EXPOSURE CATEGORY	C
TOPOGRAPHIC FACTOR K_{zt}	1

SEISMIC DESIGN

LATERAL FORCE-RESISTING SYSTEM		OMF - LONG FRAME SHEARWALL - SHORT FRAME
ANALYSIS PROCEDURE		EQIV. LATERAL FORCE
SEISMIC DESIGN CATEGORY (SDC)		E
SEISMIC IMPORTANCE FACTOR I_e		1.0
SEISMIC RESPONSE COEFFICIENT C_s	(OMF)	0.427
RESPONSE MODIFICATION COEFFICIENT R	(OMF)	3.5
SEISMIC RESPONSE COEFFICIENT C_s	(SHEARWALL)	0.230
RESPONSE MODIFICATION COEFFICIENT R	(SHEARWALL)	6.5
SITE CLASS		D
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S_S	(NO CAP)	2.241
SHORT PERIOD SITE COEFFICIENT F_a		1.0
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S_{DS}	(NO CAP)	1.494
MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S_1		2.0
LONG PERIOD SITE COEFFICIENT, F_v		1.5
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S_{D1}		2.0
HORIZONTAL OR VERTICAL IRREGULARITY TYPES		NONE

STOCKPILE NOTES:

THE RAMP DESIGN INCLUDED WITHIN THESE STOCKPILE DRAWINGS IS OPTIONAL. WHEN STOCKPILE BUILDINGS ARE RELOCATED TO A PROJECT SITE THE NEED FOR A RAMP SHALL BE DETERMINED BASED ON THE PROJECT SITE CONDITIONS AND INSTALLATION METHOD.

THE BUILDINGS INCLUDED IN THIS STOCKPILE ARE DESIGNED TO MEET THE REQUIREMENTS OF CBC CHAPTER 7A FOR USE IN A FIRE HAZARD SEVERITY ZONE AND/OR A WILDLAND-URBAN INTERFACE ZONE. COMPLIANCE WITH THE REQUIREMENTS OF CBC CHAPTER 7A ARE OUTLINED BELOW:

Chapter 7A Requirements:

705A Roofing
- 705A.1 – Roof is class A.
- 705A.2 – Not Applicable. No voids occur, roof is applied directly.
- 705A.3 – Not Applicable.
- 705A.4 – Leaf guards/covers shall be provided at all gutters.

706A Vents
- 706A.2 – The vents are corrosion resistant wire mesh with a clear opening not exceeding 1/8" (See note 7 on sheet F-0.02)

707A Exterior Coverings
- 707A.3 – Exterior wall finish is 19/32" thick Duratemp panels applied directly to studs (per CASFM listing 8140-2031:0004)
- 707A.4 – Not Applicable.
- 707A.5 – Soffit finish is the same as the wall finish.
- 707A.6 – Not Applicable.
- 707A.7 – Not Applicable.
- 707A.8 – Not Applicable.

708A Exterior Doors and Windows
- 708A.2 – Exterior glazing is tempered.
- 708A.3 – Exterior doors are non-combustible (hollow metal).

709A – Not Applicable
710A – Not Applicable

PROVIDE A Y-STRAINER WITH ACCESS PANEL AND KEYED LOCK AT THE SUPPLY WATER INLET.

THE EXTERIOR CANOPIES SHOWN IN THESE STOCKPILE DRAWINGS ARE FOR REFERENCE ONLY AND SHALL BE NOT CONSTRUCTED AS A PART OF THIS STOCKPILE. THE BLOCKING FOR THE CANOPIES SHALL BE PROVIDED. ANY REQUIRED CANOPIES (SITE-BUILT OR OTHERWISE) SHALL BE INCLUDED IN THE SITE SPECIFIC DRAWINGS REQUIRED FOR STOCKPILE RELOCATION.

STOCKPILE BUILDING IDENTIFICATION #'s

Building #	ID #	Type	Building #	ID #	Type
1	STK1218B-01	B-2	17	STK1218C-01	C-2
2	STK1218B-02	B-2	18	STK1218C-02	C-2
3	STK1218B-03	B-2	19	STK1218C-03	C-2
4	STK1218B-04	B-2	20	STK1218C-04	C-2
5	STK1218B-05	B-2	21	STK1218C-05	C-2
6	STK1218B-06	B-2	22	STK1218C-06	C-2
7	STK1218B-07	B-2	23	STK1218C-07	C-2
8	STK1218B-08	B-2	24	STK1218C-08	C-2
9	STK1218B-09	B-2	25	STK1218C-09	C-2
10	STK1218B-10	B-2	26	STK1218C-10	C-2
11	STK1218B-11	B-2	27	STK1218C-11	C-2
12	STK1218B-12	B-2	28	STK1218C-12	C-2
13	STK1218B-13	B-2	29	STK1218C-13	C-2
14	STK1218B-14	B-2	30	STK1218C-14	C-2
15	STK1218B-15	B-2			
16	STK1218B-16	B-2			

SHEET INDEX

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
COVER SHEET

REGISTERED PROFESSIONAL ENGINEER JOHN W. STARLING 2475 STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W. STARLING 2475 STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ___ FLS ___ SS ___
DATE DEC 13 2018
FLS: t.burke SSS: K. ROBERTS ACS: R. MULLEN

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
A-0

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

The example form DSA 103s shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and all example form DSA-103s ar to be crossed out on this drawing.

- UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS COLUMN SPLICES OR BEAM SPLICES WHERE THE MATERIAL THICKNESS BEING WELDED IS 5/16" OR GREATER.
- UT TEST SHALL NOT BE REQUIRED TO BE PERFORMED ON CJP GROOVE WELDS WHERE THE MATERIAL THICKNESS BEING WELDED IS 1/4" OR LESS.
- MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN OR TRUSS CHORD TO COLUMN CJP GROOVE WELDS.

Note: References are to the 2016 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE[1]	PERFORMED BY[2]	CODE REFERENCE AND NOTES
-	**SOILS**			
-	1. GENERAL:			Table 1705A.6
X	a. Verify that: • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity.	Periodic	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix for exemptions.)
-	2. COMPACTED FILLS:			Table 1705A.6
X	a. Perform classification and testing of fill materials.	Test	LOR*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper materials, densities and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
X	c. Test compaction of fill.	Test	LOR*	* Under the supervision of the geotechnical engineer.
-	**CONCRETE**			Table 1705A.3, ACI 318-14 Sections 26.12 & 26.13
-	7. CAST IN PLACE CONCRETE			
	Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI*	Table 1705A.3 Item 5, 1910A.1 (1909.2.3+). * To be performed by qualified batch-plant inspector and concrete sampling technician
X	b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2 (1909.2.4+); ACI 318-14 Section 26.6.1.2. DSA IR 17-10.16
X	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-14 Sections 26.5 & 26.12
X	d. Test concrete (f'c).	Test	LOR	1905A.1.16 (1909.3.7+); ACI 318-14 Section 26.12.
	Inspection:			
	e. Batch plant inspection ○ Continuous ◉ Periodic	See Notes	SI	Default of "Continuous" per 1705A.3.3; If approved by DSA, batch plant inspection may be reduced to "Periodic" subject to requirements in Section 1705A.3.3.1 or eliminated per 1705A.3.3.2. (See Appendix for exemptions.)
+	**MASONRY**			TMS 402-13/ACI 530-13/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530.1-13/ASCE 6-13 Table 5
-	**STEEL, ALUMINUM**			Table 1705A.2.1, AISC 360-10, AISC 360-10, AISC 341-10, AISI 358-10, AISI S100-07/S2-10
-	17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
X	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	2203A.1 (2203.1+), Table 1705A.2.1 Item 3a-3c; AISI S100-07/S2-10 Section A2.1 & A2.2, AISI S200-12 Section A3, AISI S220-11 Section A4. * By special inspector or qualified technician when performed off-site.
X	b. Test unidentified materials	Test	LOR	2203A.1 (2203.1+).
X	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
	Inspection:			
X	a. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
-	19. WELDING:			1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	Continuous	SI	Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3.
-	19.2 FIELD WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	Continuous	SI	Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Table 1705A.2.1 Item 5a.5. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	1705A.2.1; Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
-	20. NONDESTRUCTIVE TESTING:			
X	a. Ultrasonic	Test	LOR	1705A.2.1 & 1705A.2.5. AISC 360-10 N5.5, AISC 341-10 J6.2. AWS D1.1, D1.8. ANSI/ASNT CP-189, SNT-TC-1A. DSA IR 17-2.
X	b. Magnetic Particle	Test	LOR	
-	21. STEEL JOISTS AND TRUSSES:			
+	**WOOD**			
-	**OTHER**			
X	28. Electrical grounding	Test	PI	Electrical grounding test per IR E-1.

List of required verified report(s):

1 Soils testing and Inspection: Geotechnical Verified Report - Form DSA-293
2 All Structural Testing: Laboratory Verified Report - Form DSA-291
3 Concrete Batch Plant Inspection: Laboratory Verified Report - Form DSA-291
4 Shop Welding Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292
5 Field Welding Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292
6 Steel Joist Fabrication Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292

KEY to Columns	
1 Type -	2 Performed By -
Continuous – Indicates that a continuous special inspection is required	**GE** – Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative
Periodic – Indicates that a periodic special inspection is required	**LOR** – Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
Test – Indicates that a test is required	**SI** – Indicates that the special inspection is to be performed by a special inspector

CONCRETE FLOOR AND/OR CONCRETE FOUNDATION 2

Appendix: Work Exempt from DSA Requirements for Special Inspection or Structural Testing

Exempt items given in IR A-22 or the 2016 CBC (including DSA amendments) and those items identified below with an "X" by the design professional are NOT subject to DSA requirements for the structural tests or special inspections noted. Items marked as exempt shall be identified by either: 1) listing specific details/sheets noted in the spaces provided below OR 2) on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

Exempted by Design Prof.	Soils:
	1. Deep foundations acting as a cantilever footing designed based on minimum allowable pressures per 2016 CBC Table 1806A.2 and having no geotechnical report for the following types of structures: free standing sign, scrolling message sign, scoreboard, covered walkway or shade structure with dead load less than 5 psf and other light-weight structures of which the apex is less than 8' above the highest adjacent grade.
X	2. Shallow foundations meeting the exception item #1 criteria specified in 2016 CBC Section 1803A.2.
	(Optional) List details for applicable exempt items:
	Concrete/Masonry:
X	1. Post-installed anchors for the following: 1) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding") given in CBC Section 1616A.1.18 (which replaces ASCE 7-10, Section 13.1.4) or 2) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding."
X	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
	3. Masonry retaining walls less than 4'-0" above the top of foundation not supporting a surcharge and free standing nonbearing non-shear masonry walls up to 6'-0" above adjacent grade do not require grout, mortar or masonry core testing or DSA special inspection.
	4. Epoxy shear dowels in site flatwork.
	(Optional) List details for applicable exempt items:

Exempted by Design Prof.	Welding:
	1. Solid-clad and open-mesh gates with maximum leaf span or rolling section for rolling gates of 10' and apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
X	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds cannot be ground flush.
X	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
X	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for section 19, 19.1 and/or 19.2 of listing above).
X	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for section 19, 19.1 and/or 19.2 of listing above).
X	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for section 19, 19.1 and/or 19.2 of listing above).
X	7. Any support for exempt non-structural components given in CBC Section 1616A.1.18 (which replaces ASCE 7-10, Section 13.1.4) meeting the following: 1) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) <= 4' above supporting floor/roof, 2) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.
	(Optional) List details for applicable exempt items:

WORK EXEMPT FROM SPECIAL INSPECTIONS OR TESTING 1

Note: References are to the 2016 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE[1]	PERFORMED BY[2]	CODE REFERENCE AND NOTES
+	**SOILS**			
+	**CONCRETE**			Table 1705A.3, ACI 318-14 Sections 26.12 & 26.13
+	**MASONRY**			TMS 402-13/ACI 530-13/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530.1-13/ASCE 6-13 Table 5
-	**STEEL, ALUMINUM**			Table 1705A.2.1, AISC 360-10, AISC 360-10, AISC 341-10, AISI 358-10, AISI S100-07/S2-10
-	17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
X	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	2203A.1 (2203.1+), Table 1705A.2.1 Item 3a-3c; AISI S100-07/S2-10 Section A2.1 & A2.2, AISI S200-12 Section A3, AISI S220-11 Section A4. * By special inspector or qualified technician when performed off-site.
X	b. Test unidentified materials	Test	LOR	2203A.1 (2203.1+).
X	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
	Inspection:			
X	a. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
-	19. WELDING:			1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	Continuous	SI	Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3.
-	19.2 FIELD WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	Continuous	SI	Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Table 1705A.2.1 Item 5a.5. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	1705A.2.1; Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
-	20. NONDESTRUCTIVE TESTING:			
X	a. Ultrasonic	Test	LOR	1705A.2.1 & 1705A.2.5. AISC 360-10 N5.5, AISC 341-10 J6.2. AWS D1.1, D1.8. ANSI/ASNT CP-189, SNT-TC-1A. DSA IR 17-2.
X	b. Magnetic Particle	Test	LOR	
-	21. STEEL JOISTS AND TRUSSES:			
+	**WOOD**			
-	**OTHER**			
X	28. Electrical grounding	Test	PI	Electrical grounding test per IR E-1.

List of required verified report(s):

1 All Structural Testing: Laboratory Verified Report - Form DSA-291
2 Shop Welding Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292
3 Field Welding Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292
4 Steel Joist Fabrication Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292

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Periodic – Indicates that a periodic special inspection is required	**LOR** – Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
Test – Indicates that a test is required	**SI** – Indicates that the special inspection is to be performed by a special inspector

PLYWOOD FLOOR AND WOOD FOUNDATION 1

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
T & I FORMS

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ___ FLS ___ SS ___
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT CODE: 2016 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_ FLS_DS_SSR_KER
DATE 08/22/2018

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
A-0A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

BUILDING OPTIONS SCHEDULE

PLUMBING

PLUMBING				SHEET NUMBER
PLUMBING PLAN AND ISOMETRICS	☐ MODEL A-1	☐ ADULT	☐ ELEMENTARY	P-1.01 A/E
	☐ MODEL A-2	☐ ADULT	☐ ELEMENTARY	P-1.01 A/E
	☐ MODEL B-1	☐ ADULT	☐ ELEMENTARY	P-1.02 A/E
	☑ MODEL B-2	☑ ADULT	☑ ELEMENTARY	P-1.02 A/E
	☐ MODEL C-1	☐ ADULT	☐ ELEMENTARY	P-1.03 A/E
	☑ MODEL C-2	☑ ADULT	☐ ELEMENTARY	P-1.03 A/E
	☐ MODEL D-1	☐ ADULT	☐ ELEMENTARY	P-1.04 A/E
☑ PLUMBING DETAILS AND SCHEDULES				P-2.01

MECHANICAL (MODEL E ONLY)

MECHANICAL (MODEL E ONLY)	SHEET NUMBER
☑ MECHANICAL NOTES, SCHEDULES, AND DETAILS:	M-0.1
☐ WALL MOUNT	M-1.01
☐ ROOF MOUNT	M-2.01

ELECTRICAL

ELECTRICAL		SHEET NUMBER
ELECTRICAL PLAN:	☐ MODEL A-1	E-1.01
	☐ MODEL A-2	E-1.01
	☐ MODEL B-1	E-1.02
	☑ MODEL B-2	E-1.02
	☐ MODEL C-1	E-1.03
	☑ MODEL C-2	E-1.03
	☐ MODEL D-1	E-1.04
	☐ MODEL E	E-1.04

RAMP

RAMP		SHEET NUMBER
RAMP PLANS:	☑ STANDARD RAMP PLAN	R-1.01
	☑ OFFSET RAMP PLAN	R-1.02
	☑ RAMP LANDING	R-1.03
	☐ STANDARD LANDING WITH STEPS	R-1.04
	☐ SWITCHBACK RAMP PLAN	R-1.05
	☑ RAMP DETAILS	R-2.01
	☐ CONCRETE RAMP	R-3.01

BUILDING RELOCATABLE DETAILS

BUILDING RELOCATABLE DETAILS	SHEET NUMBER
☐ BUILDING RELOCATION DETAILS	REL-101

ARCHITECTURAL DETAILS

ARCHITECTURAL DETAILS			SHEET NUMBER
WALL DETAILS:	☑ WOOD STUDS	☑ EXTERIOR WOOD SIDING	A-5.50
		☐ EXTERIOR PLASTER FINISH	A-5.51
		☐ EXTERIOR WOOD SIDING - 1 HOUR RATED	A-5.52
		☐ EXTERIOR PLASTER FINISH - 1 HOUR RATED	A-5.53
	☐ STEEL STUDS	☐ EXTERIOR WOOD SIDING	A-5.60
		☐ EXTERIOR PLASTER FINISH	A-5.61
		☐ EXTERIOR WOOD SIDING - 1 HOUR RATED	A-5.62
		☐ EXTERIOR PLASTER FINISH - 1 HOUR RATED	A-5.63
☐ 1-HOUR RATED OPTIONS			A-5.64
FLOOR DETAILS:			A-5.70

MISCELLANEOUS DETAILS

MISCELLANEOUS DETAILS		SHEET NUMBER
MISCELLANEOUS:	☐ CASEWORK, TV, AND PROJECTION SCREEN DETAILS	A-5.80
	☑ WATER HEATER, DRINKING FOUNTAIN, AND FOLDING WALL DETAILS	A-5.81

INTERIOR ELEVATIONS

INTERIOR ELEVATIONS		SHEET NUMBER
INTERIOR ELEVATIONS	☑ INTERIOR ELEVATIONS - WALL MOUNTED	A-6.01
	☐ INTERIOR ELEVATIONS - FLOOR MOUNTED	A-6.02

FOUNDATIONS

FOUNDATIONS		SHEET NUMBER
☑ WOOD FOUNDATION PLAN	☐ 12' x 40' (50 PSF)	F-0.01
	☑ 12' x 40' (50+15 PSF)	F-0.02
	☐ 12' x 40' (100 PSF)	F-0.03
	☐ 12' x 40' (150 PSF)	F-0.04
☐ WOOD FOUNDATION DETAILS:		F-0.50
☐ CONCRETE FOUNDATION PLAN - ABOVE GRADE	☐ WOOD FLOOR - (50, 50+15, 100, OR 150PSF)	F-1.01
	☐ CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF)	F-1.11
☐ CONCRETE FOUNDATION DETAILS - ABOVE GRADE:		F-1.50
☐ CONCRETE FOUNDATION PLAN - BELOW GRADE	☐ WOOD FLOOR - (50, 50+15, 100, OR 150PSF)	F-2.01
	☐ CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF)	F-2.11
☐ CONCRETE FOUNDATION DETAILS - BELOW GRADE:		F-2.50
☐ FOUNDATION DETAILS - CONCRETE		F-2.51

GENERAL STRUCTURAL SHEETS

GENERAL STRUCTURAL SHEETS	SHEET NUMBER
STRUCTURAL SPECS:	S-0.1

FLOOR FRAMING PLANS

FLOOR FRAMING PLANS		SHEET NUMBER
FLOOR FRAMING:	☑ WOOD FLOOR	S-1.01
	☐ CONCRETE FLOOR	S-1.11
FLOOR FRAMING DETAILS:	☑ WOOD FLOOR	S-1.50
	☐ CONCRETE FLOOR	S-1.60

ROOF FRAMING PLANS

ROOF FRAMING PLANS		SHEET NUMBER
ROOF FRAMING:	☐ 0.018", BUILT UP, OR TPO - MONO SLOPE	S-2.01
	☐ 0.030" - MONO SLOPE	S-2.02
	☑ 0.018", BUILT UP, TPO - DUAL SLOPE	S-2.11
	☐ 0.030" - DUAL SLOPE	S-2.12
	☐ TPO - DUAL / MONO SLOPE - PARAPET	S-2.21
ROOF FRAMING DETAILS:	☐ MONO SLOPE	S-2.50
	☑ DUAL SLOPE	S-2.51
ROOF MISC. DETAILS:		S-2.60

BUILDING SECTION

BUILDING SECTION		SHEET NUMBER
BUILDING SECTION:	☐ MONO SLOPE ROOF	S-3.01
	☑ DUAL SLOPE ROOF	S-3.02
	☐ 0.030" MONO SLOPE ROOF	S-3.03
	☐ 0.030" DUAL SLOPE ROOF	S-3.04

WALL FRAMING

WALL FRAMING		SHEET NUMBER
FRAMING ELEVATIONS:	☑ WOOD STUDS	S-5.00
	☐ STEEL STUDS	S-5.20
FRAMING DETAILS:	☑ WOOD STUDS	S-5.10
	☑ WOOD STUDS	S-5.11
	☐ STEEL STUDS	S-5.30
	☐ STEEL STUDS	S-5.31

GENERAL ARCHITECTURAL SHEETS

GENERAL ARCHITECTURAL SHEETS	SHEET NUMBER
COVER SHEET:	A-0
T & I FORMS:	A-0A
BUILDING OPTIONS SCHEDULE SHEET:	A-0.0
SYMBOLS, LEGEND, ABBREVIATION, ADA SIGNAGE SHEET:	A-0.1
SCHEDULE SHEET:	A-0.2
ENERGY COMPLIANCE FORMS	A-0.5 (A-D)
ENERGY COMPLIANCE FORMS	A-0.6A
ENERGY COMPLIANCE FORMS	A-0.6B
DESIGN ENERGY VALUES & CAL GREEN SPECIFICATIONS	A-0.7

FLOOR PLANS

FLOOR PLANS		SHEET NUMBER
FLOOR PLANS:	☐ FLOOR PLAN - (MODEL A-1)	A-1.01
	☐ FLOOR PLAN - (MODEL A-2)	A-1.01
	☐ FLOOR PLAN - (MODEL B-1)	A-1.02
	☑ FLOOR PLAN - (MODEL B-2)	A-1.02
	☐ FLOOR PLAN - (MODEL C-1)	A-1.03
	☑ FLOOR PLAN - (MODEL C-2)	A-1.03
	☐ FLOOR PLAN - (MODEL D-1)	A-1.04
	☐ FLOOR PLAN - (MODEL E)	A-1.04

CEILING

CEILING		SHEET NUMBER
REFLECTED CEILING PLANS:	☐ REFLECTED CEILING PLAN - (MODEL A-1)	A-2.01
	☐ REFLECTED CEILING PLAN - (MODEL A-2)	A-2.01
	☐ REFLECTED CEILING PLAN - (MODEL B-1)	A-2.02
	☑ REFLECTED CEILING PLAN - (MODEL B-2)	A-2.02
	☐ REFLECTED CEILING PLAN - (MODEL C-1)	A-2.03
	☑ REFLECTED CEILING PLAN - (MODEL C-2)	A-2.03
	☐ REFLECTED CEILING PLAN - (MODEL D-1)	A-2.04
	☐ REFLECTED CEILING PLAN - (MODEL E)	A-2.04
CEILING DETAILS:	T-GRID	A-2.20
	☐ HARD LID	A-2.21

ROOF PLAN

ROOF PLAN		SHEET NUMBER
ROOF PLANS:	☑ 0.018" ROOF - METAL DECK - DUAL SLOPE	A-3.01
	☐ 0.030" ROOF - METAL DECK - DUAL / MONO SLOPE	A-3.11
	☐ ROOF PLAN - DUAL / MONO SLOPE - PARAPET	A-3.31
	☐ ROOF PLAN - TPO - DUAL / MONO SLOPE	A-3.41
ROOF DETAILS:	☑ 0.018" ROOF - METAL DECK	A-3.50
	☐ 0.030" ROOF - METAL DECK	A-3.60
	☐ 0.030" ROOF - METAL DECK	A-3.61
	☐ ROOF DETAILS - PARAPET	A-3.80
	☐ ROOFING DETAILS - TPO	A-3.90

EXTERIOR ELEVATION

EXTERIOR ELEVATION			SHEET NUMBER
EXTERIOR ELEVATIONS:	☐ MODEL A-1	☐ MONO SLOPE / DUAL SLOPE	A-4.01
		☐ MONO SLOPE / DUAL SLOPE - PARAPET	A-4.11
	☐ MODEL A-2	☐ MONO SLOPE / DUAL SLOPE	A-4.02
		☐ MONO SLOPE / DUAL SLOPE - PARAPET	A-4.12
	☐ MODEL B-1	☐ MONO SLOPE / DUAL SLOPE	A-4.03
		☐ MONO SLOPE / DUAL SLOPE - PARAPET	A-4.13
	☑ MODEL B-2	☑ MONO SLOPE / DUAL SLOPE	A-4.04
		☐ MONO SLOPE / DUAL SLOPE - PARAPET	A-4.14
	☐ MODEL C-1	☐ MONO SLOPE / DUAL SLOPE	A-4.05
		☐ MONO SLOPE / DUAL SLOPE - PARAPET	A-4.15
	☑ MODEL C-2	☑ MONO SLOPE / DUAL SLOPE	A-4.06
		☐ MONO SLOPE / DUAL SLOPE - PARAPET	A-4.16
	☐ MODEL D-1	☐ MONO SLOPE / DUAL SLOPE	A-4.07
		☐ MONO SLOPE / DUAL SLOPE - PARAPET	A-4.17
	☐ MODEL E	☐ MONO SLOPE / DUAL SLOPE	A-4.08
		☐ MONO SLOPE / DUAL SLOPE - PARAPET	A-4.18

CROSS SECTIONS

CROSS SECTIONS		SHEET NUMBER
CROSS SECTIONS:	☐ MONO SLOPE	A-5.01
	☑ DUAL SLOPE	A-5.02
	☐ MONO SLOPE - .030" ROOF DECK	A-5.03
	☐ DUAL SLOPE - .030" ROOF DECK	A-5.04
	CROSS SECTION	A-5.05

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

BUILDING OPTIONS SCHEDULE

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
2475
STRUCTURAL
STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
2475
STRUCTURAL
STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS __ FLS __ SS __
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

1
2
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5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

A-0.0

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

REFLECTED CEILING NOTES

1. **CEILING SYSTEM GENERAL NOTES:**

1.01 Ceiling system components shall comply with ASTM C635-07 and Section 5.1 of ASTM E580-10a.

1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635-08.

1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:

Manufacturer's Name ARMSTRONG
Product Evaluation Report Type and Number ICC ESR-1308
Manufacturer's Model Number - main runner 7301
Manufacturer's catalog number - cross runner XL7328

1.04 Seismic Wall Clip:

Manufacturer's Model BERC-2

1.05 Ceiling panels shall not support any light fixtures, air terminals or devices.

1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide ¾" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip. For all other ceiling panel types, provide ¾" clearance between the ceiling panel and the wall on the sides of the ceiling free to slip.

2. **MATERIALS:**

2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641-09a. Wire shall be #12 gage (0.106" diameter) with soft temper and minimum tensile strength = 70 ksi.

2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/post) shall conform to ASTM A653-11, or other equivalent sheet steel listed in Section A2.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members 2007, including supplement 2 dated 2010 (AISI S100-07/S2-10). Material 43 mil (18 gage) and lighter shall have minimum yield strength of 33 ksi. Material 54 mil (16 gage) and heavier shall have a minimum yield strength of 50 ksi.

2.03 Electrical metallic tube (EMT) shall be ANSI C80.3/UL 797 carbon steel with G90 galvanizing. EMT shall have minimum yield strength (Fy) of 30 ksi and minimum ultimate strength (Fu) of 48 ksi.

3. **ATTACHMENT OF HANGER AND BRACING WIRES:**

3.01 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduit, etc.

3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment.

3.03 Hanger wires that are more than one (horizontal) in six (vertical) out of plumb shall have counter-sloping wires.

3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.

3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire. (e.g. bracing wire ceiling clips must be bent as shown in the details and rotated as required to align closely with the direction of the wire, screw eyes in wood must be installed so they align closely with the direction of the wire, etc.)

4. **FASTENERS AND WELDING:**

4.01 Sheet metal screws shall comply with ASTM C1513-10, ASME B18.6.4-89 (R2005). Penetration of screws through joined material shall not be less than three exposed threads.

4.02 Expansion anchors shall be: NOT APPLICABLE

4.03 Power-Actuated Fasteners shall be: NOT APPLICABLE

4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.

4.05 Power-actuated fasteners in concrete are not permitted for bracing wires.

4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post - installed anchor.

4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.

5. **TESTING:** All field testing must be performed in the presence of the project inspector.

5.01 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent. Power actuated fasteners in concrete shall be field tested for 200 lbs. in tension. All other post-installed anchors in concrete shall be tested in accordance with CBC Section 1913A.7.

5.02 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1913A.7.

6. **LIGHT FIXTURES:**

6.01 All light fixtures shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the fixture. A minimum of two screws or approved fasteners are required at each light fixture, per ASTM E580, Section 5.3.1.

6.02 Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices. The clamping device shall completely surround the supporting ceiling runner and be made of steel with a minimum thickness of #14 gage. Rotational spring catches do not comply. A #12 gage slack safety wire shall be connected from each clamping device to the structure above. Provide additional supports when light fixtures are eight (8) feet or longer or exceed 56 lb. Maximum spacing between supports shall not exceed eight (8) feet.

6.03 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.

6.04 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.

6.05 Light fixtures weighing greater than 10 lb. but less than or equal to 56 lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gage slack safety wires connected from the fixture housing at diagonal corners to the structure above.

Exception: All light fixtures greater than two by four feet weighing less than 56 lbs. shall have a #12 gage slack safety wire at each corner.

6.06 All Light fixtures weighing greater than 56 lb. shall be independently supported by not less than four (4) taut #12 gage hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers. The four (4) taut #12 gage wires or other approved hangers, including their attachment to the structure above, shall be capable of supporting four (4) times the weight of the fixture.

7. **SERVICES WITHIN THE CEILING:**

7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means. Screws or approved fasteners are required. A minimum of two attachments are required at each component.

7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 lb. shall have one (1) #12 gage slack safety wire attached from the terminal or service to the structure above.

7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lb. but less than or equal to 56 lb. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.

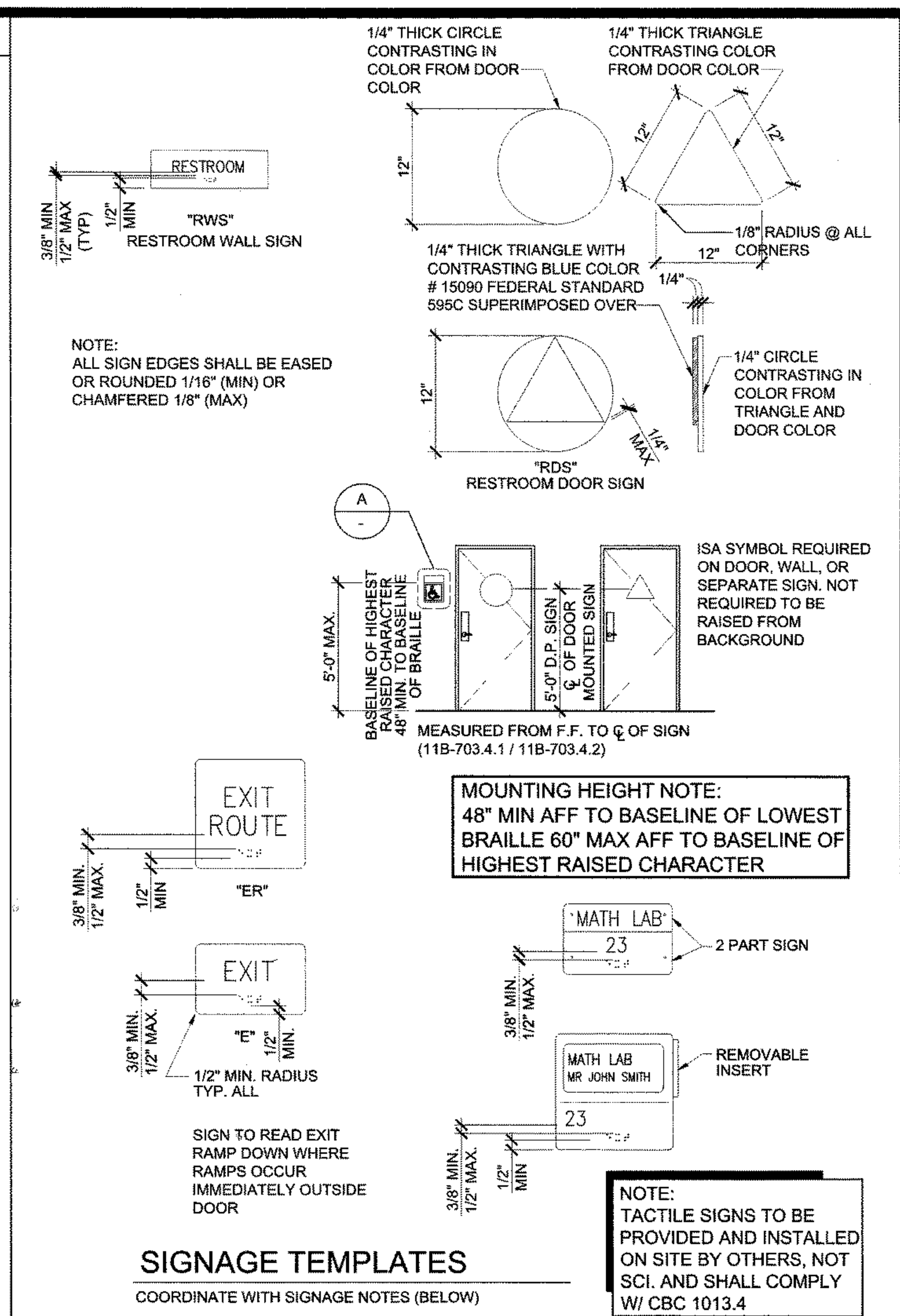
7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lb. shall be supported directly from the structure above by not less than four (4) taut #12 gage hanger wires attached from the terminal or service to the structure above or other approved hangers.

8. **OTHER DEVICES WITHIN THE CEILING:**

8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lb. shall have a #12 gage slack wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.

NOTE:
ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE AND CBC CLASS C FLAME-SPREAD 76-200; SMOKE-DEVELOPED 0-450.

NOTE:
PER CBC SECTION 718.2.1. FIRE BLOCKS MAY BE OF GYPSUM BOARD, CEMENT FIBER BOARD, BATTS OR MINERAL OR GLASS FIBER, OR OTHER APPROVED MATERIALS INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE. LOOSE-FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIRE BLOCK UNLESS SPECIFICALLY TESTED IN THE FORM AND MANNER INTENDED FOR USE TO DEMONSTRATE ITS ABILITY TO REMAIN IN PLACE AND TO RETARD THE SPREAD OF FIRE AND HOT GASES. (SECTION 718.2.1). FLAME SPREAD - 25 SMOKE DEVELOPMENT - 50 MAX
FIRE BLOCKING IS NOT REQUIRED WITHIN CONCEALED SPACES CONSTRUCTED OF NON-COMBUSTIBLE MATERIALS



SIGNAGE TEMPLATES

COORDINATE WITH SIGNAGE NOTES (BELOW)

SIGNAGE NOTES

1. **CHARACTER TYPE:** CHARATERS ON SIGNA SHALL BE RAISED 1/32" (0.794 mm) MINIMUM ABOVE THEIR BACKGROUND AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE. (SEE NOTE 5 BELOW) 11B-703.2.1 & 11B-703.2.2 &11B-703.23.

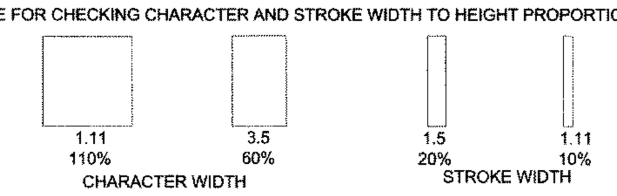
2. **CHARACTER HEIGHT:** CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE CHARACTER SHALL BE 5/8" (15.9 mm) MINIMUM AND 2 INCH (51 mm) MAXIMUM BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". 11B-703.2.5

3. **FINISH AND CONTRAST:** SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH SYMBOLS. SYMBOLS OF ACCESSIBILITY SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER A LIGHT SYMBOL ON A DARK BACKGROUND OR A DARK SYMBOL ON A LIGHT BACKGROUND. 11B-703.7.1.

4. **PROPORTIONS:** VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE "I" SHALL BE 15% MAX OF THE HEIGHT OF THE CHARACTER. 11B-703.2.4 + 11B-703.2.6

VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER ' I '. STROKE THICKNESS OF THE UPPER CASE ' I ' SHALL BE 10% MIN. AND 20% MAX OF THE HEIGHT OF THE CHARACTER.

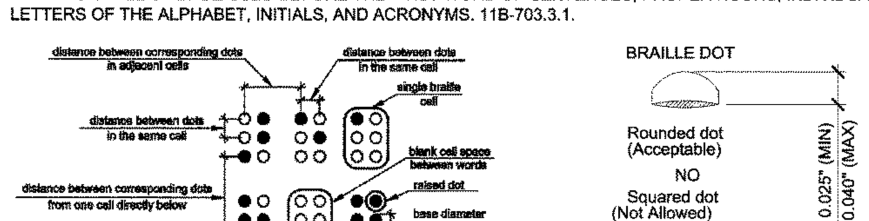
TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS:



5. **CHARACTER SPACING:** CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/8" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX). WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE 1/16" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX) AT THE BASE OF THE CROSS SECTIONS, AND 1/8" (MIN) AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH (MAX) AT THE TOP OF THE CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8" (MIN). 11B-703.2.7

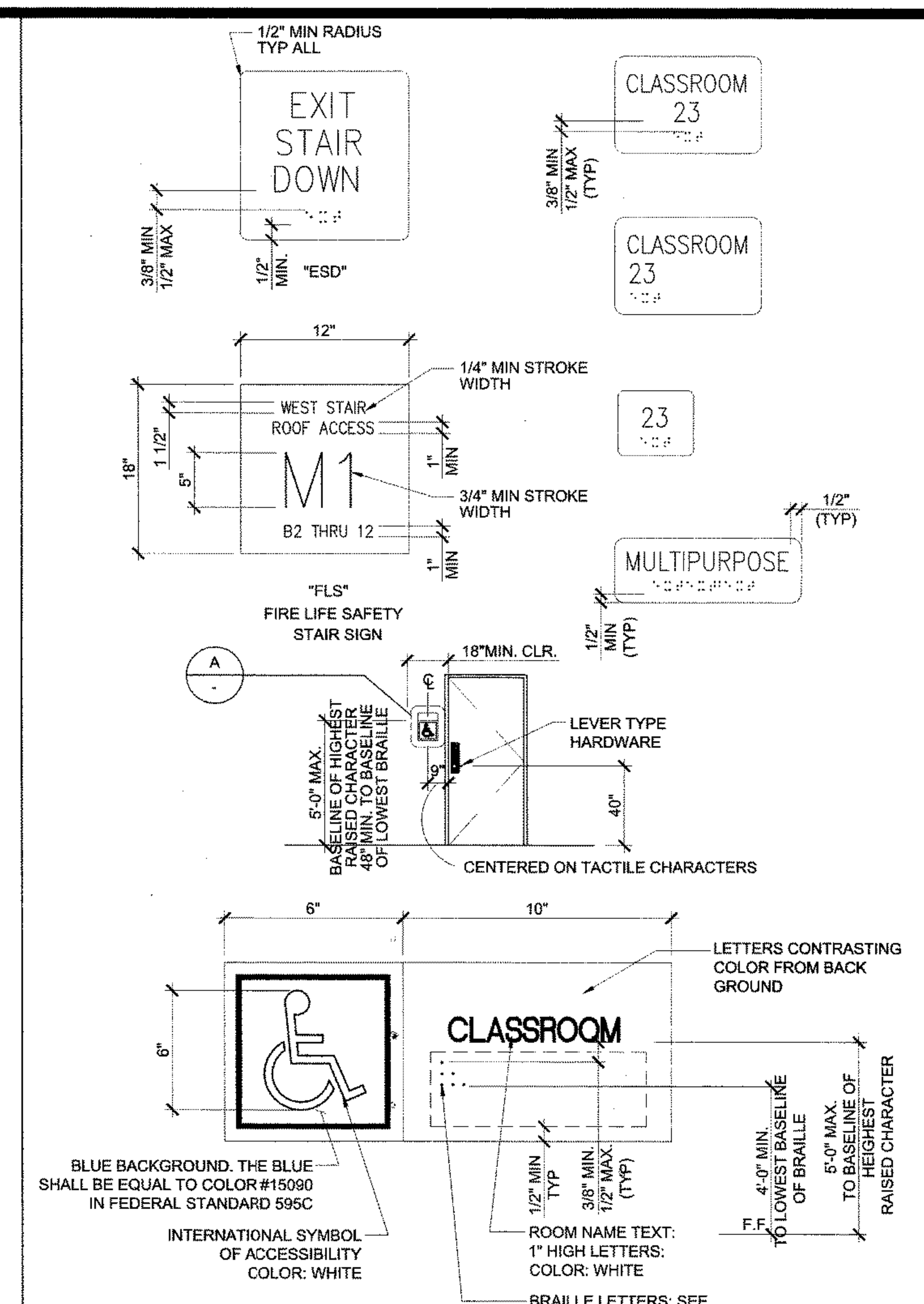
6. **LINE SPACING:** SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% (MIN) AND 170% (MAX) OF THE RAISED CHARACTER HEIGHT. 11B-703.2.8

7. **BRAILLE:** BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4. DIMENSIONS AND CAPITALIZATION: BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS, INDIVIDUAL LETTERS OF THE ALPHABET, INITIALS, AND ACRONYMS. 11B-703.3.1.



MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6mm)
Distance between two dots in the same cell[1] (#footnote-1)	0.100 (2.5 mm)
Distance between corresponding dots in adjacent cells[1] (#footnote-1)	0.300 (7.6 mm)
Dot height	0.025 (0.6 mm) to 0.037 (0.9 mm)
Distance between corresponding dots from one cell directly below[1] (#footnote-1)	0.395 (10 mm) to 0.400 (10.2 mm)

1. Measured center to center.



NOTE:
SIGN MATERIAL TO BE 1/8" THK. E.S. PLASTIC W/1/32" RAISED GRAPHICS AND LETTERS. PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS. CBC SECTION 11B-703. WHERE RAISED BOARDERS OCCUR, PROVIDE 1/2" MIN. CLEARANCE BETWEEN TOP OF BOARDER AND LOWEST LEVEL OF BRAILLE TEXT.

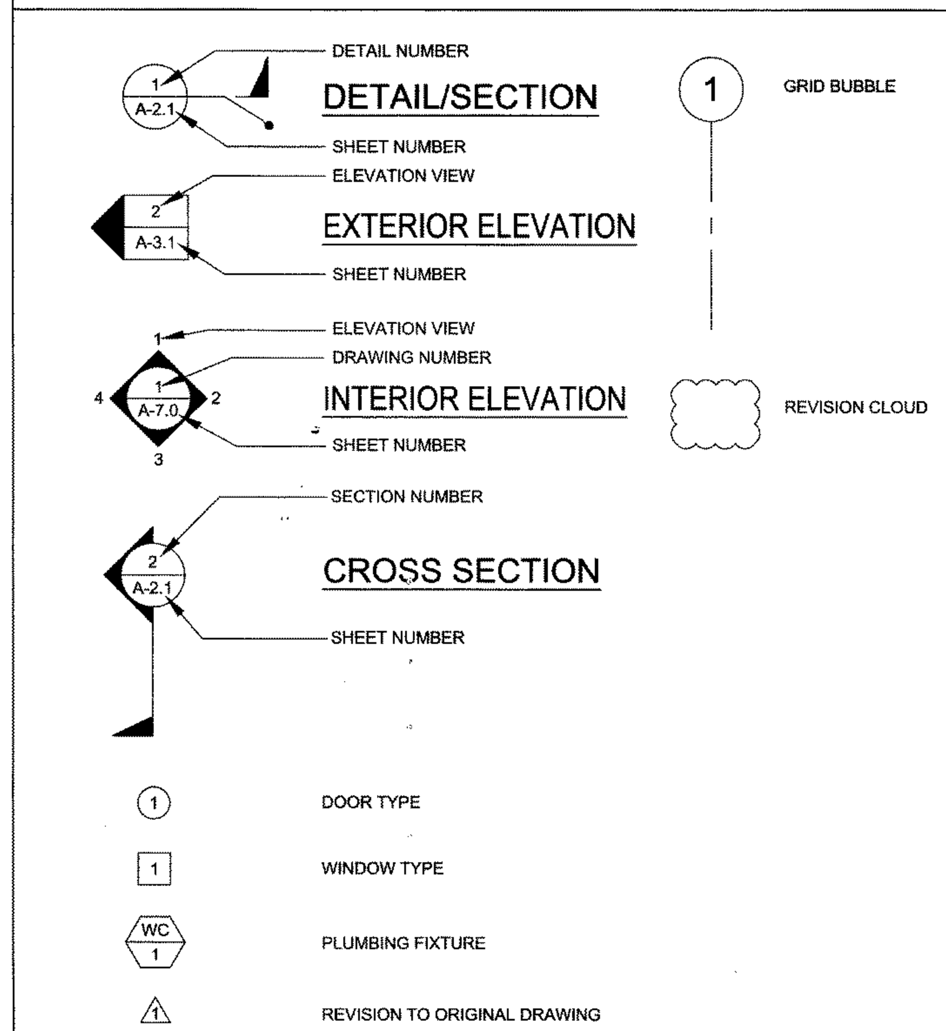
A ROOM IDENTIFCATION ROOM SIGNAGE (BY DISTRICT)

FOR SITE SPECIFIC LOCATIONS ARCHITECT TO PROVIDE BUILDING / ROOM IDENTIFICATION SIGNS. DETAILS AND LOCATIONS OF SIGNAGE TO BE INDICATED.

COORDINATE WITH SIGNAGE NOTES 1 THROUGH 7 ON THIS SHEET.

THIS DETAIL FOR REFERENCE ONLY

SYMBOLS LEGEND



ABBREVIATIONS

AB	ANCHOR BOLT	FIN	FINISH	ℙ OR PL	PLATE
ABS	ABSOLUTE	FLR	FLOOR	PC	PRE-CHECKED
ABV	ABOVE	FN	FIELD NAILING	PLAS	PLASTER
ACC	ACCESS	FND	FOUNDATION	PLYWD	PLYWOOD
ADDL	ADDITIONAL	FOC	FACE OF CONCRETE	PNL	PANEL
ADJ	ADJACENT	FOS	FACE OF STUD	POC	POINT OF CONNECTION
AFF	ABOVE FINISH FLOOR	FTG	FOOTING	POT	PATH OF TRAVEL
AFG	ABOVE FINISH GRADE	FOF	FACE OF FINISH	PSF	POUNDS PER SQUARE FOOT
AGC	ABOVE GRADE CONCRETE			PSI	POUNDS PER SQUARE INCH
ALT	ALTERNATE	GA	GAUGE	PT	PRESSURE TREATED
AOR	ARCHITECT OF RECORD	GALV	GALVANIZE	RAG	RETURN AIR GRILLE
APPROX	APPROXIMATE	GC	GENERAL CONTRACTOR	RD	ROOF DRAIN
ARCH	ARCHITECTURAL / ARCHITECT	GR	GRADE	REF	REFERENCE
		GYP	GYPSUM	REINF	REINFORCE
BD	BOARD	GYP BD	GYPSUM BOARD	REQ'D	REQUIRED
BGC	BELOW GRADE CONCRETE			REV	REVISION
BLDG	BUILDING	HB	HOSE BIBB	RF	ROOF
BLK	BLOCK	HD	HEAVY DUTY	RM	ROOM
BLKG	BLOCKING	HDR	HEADER	RO	ROUGH OPENING
BM	BEAM	HDW	HARDWARE	ROH	ROOF OVERHANG
BOT	BOTTOM (OR BTM)	HF	HEM FIR		
BTWN	BETWEEN	HORIZ	HORIZONTAL	SCHED	SCHEDULE
BU	BUILT UP	HT	HEIGHT	SEC	SECTION
CAB	CABINET	HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	SHT	SHEET
CBC	CALIFORNIA BUILDING CODE			SHTG	SHEATHING
CI	CAST IRON			SIM	SIMILAR
CJ	CONTROL JOINT	INCL	INCLUDED	SPEC	SPECIFICATION
CJP	COMPLETE JOINT PENETRATION	INFO	INFORMATION	SQ	SQUARE
		INT	INTERIOR	SST	STAINLESS STEEL
℄	CENTER LINE			STD	STANDARD
CLG	CEILING	J-BOX	JUNCTION BOX	STIFF	STIFFENER
CO	CLEAN OUT	JST	JOIST	STL	STEEL
COL	COLUMN	JT	JOINT	STS	SELF-TAPPING SCREW
CONC	CONCRETE	KO	KNOCK OUT	STSMS	SELF-TAPPING SHEET METAL SCREW
CONN	CONNECTION				
CONST	CONSTRUCTION				
CONT	CONTINUOUS	LAB	LABORATORY		
CPT	CARPET	LAM	LAMINATED	T&B	TOP AND BOTTOM
CSK	COUNTERSINK	LAV	LAVATORY	T&G	TONGUE AND GROOVE
CTR	CENTER	LB	POUNDS	TEL	TELEPHONE
		LT	LIGHT	THK	THICK
DBL	DOUBLE	LT WT	LIGHT WEIGHT	TOC	TOP OF COLUMN
DET	DETAIL	LVR	LOUVER	TOS	TOP OF STEEL
DF	DOUGLAS FIR			TS	TUBE STEEL
DIA OR Ø	DIAMETER	MAX	MAXIMUM	TV	TELEVISION
DIAG	DIAGONAL	MB	MACHINE BOLT	TYP	TYPICAL
DIM	DIMENSION	MED	MEDIUM		
DSA	DIVISION OF THE STATE ARCHITECT	MFR	MANUFACTURER	UBC	UNIFORM BUILDING CODE
		MIN	MINIMUM	UON	UNLESS OTHERWISE NOTED
DWG	DRAWING	MISC	MISCELLANEOUS		
		MOD	MODULE	UR	URINAL
(E)	EXISTING	MTL	METAL		
EA	EACH	(N)	NEW	VERT	VERTICAL
EJ	EXPANSION JOINT	N	NORTH	VCT	VINYL COMPOSITION TILE
ELEV	ELEVATION	NIC	NOT IN CONTRACT (NOT IN SILVER CREEK'S SCOPE OF WORK		
EN	END NAIL			W/	WITH
EQ	EQUAL			WC	WATER CLOSET
EQUIP	EQUIPMENT	NO	NUMBER	WCO	WALL CLEAN OUT
EW	EACH WAY	NTS	NOT TO SCALE	WD	WOOD
EXT	EXTERIOR			WH	WATER HEATER
		OC	ON CENTER	WIC	WOODWORK INSTITUTE OF CALIFORNIA
FA	FIRE ALARM	OD	OUTSIDE DIAMETER		
FCO	FLOOR CLEAN OUT	OH	OPPOSITE HAND	WND	WINDOW (OR WDW)
FF	FINISH FLOOR	OPNG	OPENING	W/O	WITHOUT
FG	FINISH GRADE	OPP	OPPOSITE	WP	WATER PROOF

SPECIFICATIONS

DIVISION 5 - METALS

- ALL WELDED JOINTS AND SURFACES SHALL BE GROUNDED SMOOTH, NO SHARP OR ABRASIVES CORNERS, EDGES OR SURFACES. WALL SURFACES ADJACENT TO HANDRAILS SHALL BE SMOOTH,
- ALL HANDRAILS SHALL BE ROUND OR SHALL HAVE RADIUSED EDGES (r = 1/8" MIN)

DIVISION 6 - WOOD AND PLASTICS

- ALL CABINET AND DRAWERS WILL HAVE U-SHAPED WIRE PULLS

DIVISION 9 - FINISHES

- CEILING INSTALLATION SHALL BE PER THE NOTES PROVIDED ON THIS SHEET.

DIVISION 10 - SPECIALITIES

- ALL TOILET ACCESSORIES SHALL BE INSTALLED AT THE HEIGHT AND CLEARANCES SHOWN ON SHEET P-1.01

DIVISION 22 - PLUMBING

- FAUCETS SHALL BE LEVER OPERATED (4" MIN BLADE) OR SHALL BE PUSH TYPE OR AUTOMATIC ELECTRONICALLY CONTROLLED. CONTROLS TO BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST TO OPERATE.
- FORCE TO ACTIVATE CONTROLS SHALL NOT BE GREATER THAN 5 LBS
- FORCE TO REMAIN OPEN FOR A MINIMUM OF 10 SECONDS WHEN SELF CLOSING VALVES ARE USED
- PIPE COVERS SHALL BE PROVIDED FOR WATER LINES AND DRAIN PIPES UNDER ACCESSIBLE SINKS AND LAVATORIES
- ACCESSIBLE SINKS SHALL NOT BE DEEPER THAN 6 1/2"

ASSISTIVE LISTENING SYSTEM

ASSISTIVE LISTENING SYSTEM SIGN

NOTES;
1. ASSISTIVE-LISTENING SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTIONS 11B-216.10 AND 11B-219 AND SHALL COMPLY WITH CBC SECTION 11B-706.
2. THE MINIMUM NUMBER OF RECEIVERS TO BE PROVIDED SHALL BE EQUAL TO 4% OF THE TOTAL NUMBER OF SEATS, BUT IN NO CASE LESS THAN TWO. 25% (MIN) OF RECEIVERS PROVIDED, BUT NO FEWER THAN TWO, SHALL BE HEARING AID COMPATIBLE IN ACCORDANCE WITH CBC SECTION 11B-706.3
3. SIGNAGE SHALL BE POSTED IN A PROMINENT PLACE INDICATING THE AVAILABILITY OF ASSISTIVE LISTENING DEVICES.
4. OWNER/SCHOOL DISTRICT SHALL PROVIDE A PERMANENT OR PORTABLE ASSISTIVE LISTENING SYSTEM.

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
SYMBOLS LEGEND, ABBREVIATIONS & ADA SIGNAGE

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 2475 STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS FLS SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

REVISIONS

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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
A-0.1

~~WINDOW SCHEDULE~~

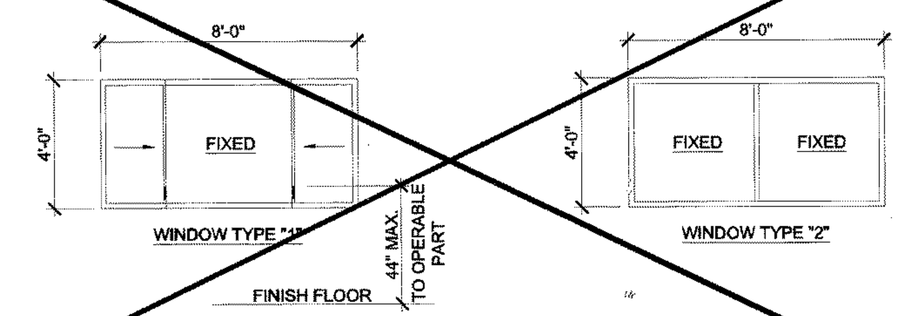
WINDOW NO.	QTY	TYPE	WIDTH	HEIGHT	FUNCTION	FRAME MATERIAL	GLASS MATERIAL	WALL THICKNESS	NOTES
A		1	8'-0"	4'-0"	XOX	ANOD	DP		
B		2	8'-0"	4'-0"	FIXED	FRW	FRG		45 MINUTE ASSEMBLY

~~WINDOW FINISH~~

ANOD: CLEAR ANODIZED ALUMINUM FRAME
BRONZ: BRONZE ANODIZED ALUMINUM FRAME
PAINT: PAINTED FRAME
WF: 16GA WELDED FRAME
FRW: FIRE RATED WINDOW
FRAME: MIN 0.048" THICK WELDED FRAME
FRG: FIRE RATED GLAZING: 1/4" WIRED GLASS. LABELED TO MEET THE REQUIREMENTS FOR A 3/4 HOUR FIRE WINDOW ASSEMBLY PER CBC SECTION/TABLE 715.5

DP: 3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD, ALL OPERABLE SASH SHALL HAVE SCREENS. (U-FACTOR = .510 MAX, VT = 0.500 MIN., SHGC = .360 MAX, STC = 36 MIN.)

~~WINDOW TYPE~~



NOTE:
1. OPERABLE WINDOW CONTROLS SHALL COMPLY WITH CBC 11B.309.4 AND SHALL NOT REQUIRE TIGHT GRASPING,PINCHING OR TWISTING OF THE WRIST
2. WINDOW CONTROLS SHALL NOT REQUIRE MORE THAN 5LBS OF FORCE TO OPEREATE
3. THE REQUIRED FORCE TO PUSH/PULL THE WINDOW PANEL SHALL NOT EXCEED 5LBS

DOOR SCHEDULE

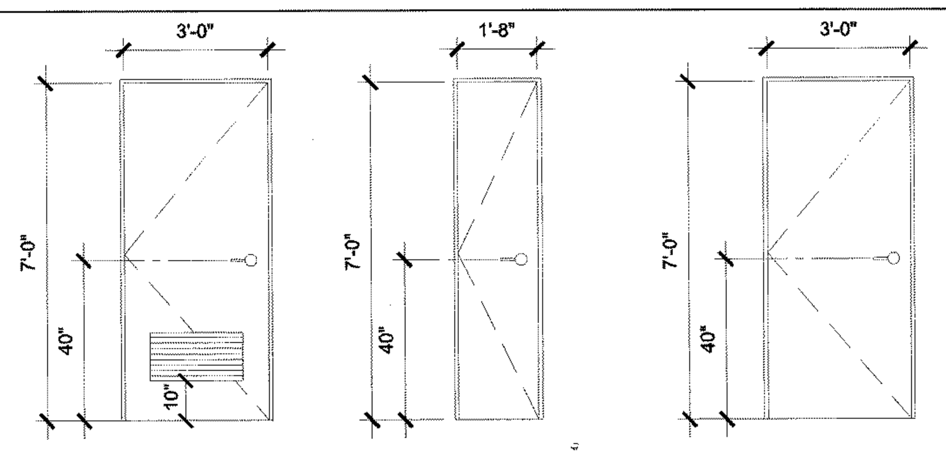
DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	WALL THICKNESS	NOTES*
1	3'-0"	7'-0"	A		HM	KD	HW - 1	4 7/8"	
2	3'-0"	7'-0"	A		HM	KD	HW - 2	4 7/8"	NO CLOSER
~~3~~	~~1'-8"~~	~~7'-0"~~	~~B~~		~~HM~~	~~KD~~	~~HW - 3~~	~~4 1/8"~~	
~~4~~	~~3'-0"~~	~~7'-0"~~	~~C~~		~~HM~~	~~KD~~	~~HW - 4~~	~~5 1/4"~~	

DOOR MATERIAL AND FINISH ABBREVIATIONS

HM: 14GA HOLLOW METAL
WF: 16GA WELDED FRAME
KD: 16 GA KNOCK DOWN FRAME

*EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS W/ U-FACTOR OF 0.500 MAX

DOOR TYPES & NOTES



DOOR TYPE "A" DOOR TYPE "B" DOOR TYPE "C"

1. DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTED AT 40" AFF HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR
2. ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
3. CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
4. PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
5. ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPECS ON THIS SHEET AND CBC SECTIONS 11B-206.5,11B-404.1 & 1010.
6. DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 90°, THE DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO A POINT 12" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR
7. PANIC AND FIRE EXIT HARDWARE. WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING
   -THE ACTUATING PORTION OF THE RELEASING DEVICE SHAL EXTEND AT LEASE ONE-HALF OF THE DOOR LEAF WIDTH.
   - THE MAXIMUM FORCE TO ACTIVATE ANY OPERABLE PART SHALL NOT EXCEED 5 LBS PER THE 2016 CBC, PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.10
8. ALL HAND ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR 'U' SHAPED HANDLES
9. ALL HAND ACTIVATED HARDWARE SHALL BE EASY TO OPERATE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST TO OPERATE.
10. FLOOR STOP SHALL BE LOCATED 4" MAX FROM FACE OF WALL.

FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		NOTES
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT.	
GIRLS 101	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	ARMSTRONG #2910
BOYS 102	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	ARMSTRONG #2910
STAFF 103	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	ARMSTRONG #2910
STAFF 104	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	ARMSTRONG #2910
~~WORK ROOM 105~~	~~CARP~~	~~4" TS~~	~~TACK~~	~~TACK~~	~~TACK~~	~~TACK~~	~~CP~~	~~8'-0"~~	
PLUMBING CHASE	---	---	---	---	---	---	---	---	

FLOOR, WALL, CEILING MATERIALS

FLOORING
CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4600; DIRECT GLUE DOWN
SV: SHEET VINYL FLOORING
VCT: VINYL COMPOSITION TILE

BASE
4" TS: 4" TOP SET BASE
6" TS: 6" TOP SET BASE
SC: 6" SELF-COVE BASE

WALLS
TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER ½" GYPSUM BOARD BACKING
FRP: 1/8" FIBER REINFORCED PANEL OVER ½" WATER RESISTANT GYPSUM BOARD
GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
PLY: 1/2" PLYWOOD FINISH
NF: NO FINISH

CEILING
CP: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)
HC: 5/8" GYPSUM BOARD. TAPE; TEXTURE; PAINTED FINISH (HARD LID CEILING)
GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

FINISH NOTES

1. ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
2. PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR IS 2.4.1. PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODLINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
3. RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
4. CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNCUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2016 CBC. CARPET EDGED SHALL COMPLY WITH THE 2016 CBC

DOOR HARDWARE

BOYS & GIRLS RESTROOM - EXTERIOR DOOR HW-1

LOCKSET	SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 ½" x 4 ½" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA (OPTIONAL)	Finish 689	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

STAFF RESTROOM - EXTERIOR DOOR HW-2

LOCKSET	SCHLAGE ND85PDRHO626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 ½" x 4 ½" NRP	Finish 26D	or equal
WEATHER STRIP	HAGER 891SAV 3684	Finish Alum	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

~~**CHASE EXTERIOR DOOR - EXTERIOR DOOR HW-3**~~

~~LOCKSET~~	~~SCHLAGE ND70PDRHO626 (cylindrical)~~	~~Finish 26D~~	~~or equal~~
~~BUTTS~~	~~HAGER BB1191 4 ½" x 4 ½" NRP~~	~~Finish 26D~~	~~or equal~~
~~THRESHOLD~~	~~HAGER 413SA 36~~	~~Finish Alum~~	~~or equal~~
~~DOOR BOTTOM~~	~~HAGER 783SAV 35N~~	~~Finish Alum~~	~~or equal~~

~~**WORKROOM - EXTERIOR DOOR HW-4**~~

~~LOCKSET~~	~~SCHLAGE ND75PDRHO626 (cylindrical)~~	~~Finish 26D~~	~~or equal~~
~~BUTTS~~	~~HAGER BB1191 4 ½" x 4 ½" NRP~~	~~Finish 26D~~	~~or equal~~
~~CLOSER~~	~~NORTON 8501 BFDA~~	~~Finish 689~~	~~or equal~~
~~WEATHER STRIP~~	~~HAGER 891SAV 3684~~	~~Finish Alum~~	~~or equal~~
~~THRESHOLD~~	~~HAGER 413SA 36~~	~~Finish Alum~~	~~or equal~~
~~DOOR BOTTOM~~	~~HAGER 783SAV 35N~~	~~Finish Alum~~	~~or equal~~

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:

DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, PIPES AND EXTERIOR WALLS. (CLASS A = 0-25 FLAME SPREAD:) SMOKE DEVELOPMENT DENSITY LESS THAN 450.

MATERIAL: INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CORPORATION, JOHNS-MANVILLE, CERTAINTIES, OR EQUAL.

INSULATION VALUES
SEE SHEETS A-0.7 FOR MINIMUM REQUIRED INSULATION VALUES FOR SPECIFIC BUILDING SIZE AND CONFIGURATION.

EXTERIOR WALL INSULATION (MIN.)
- [x] R-13 (2x4)
- [ ] R-19 (2x6)
- [ ] R-30 (2x8)

INTERIOR WALL INSULATION (MIN.)
R-13

FLOOR INSULATION (MIN.)
R-19

ROOF INSULATION (MIN.)
R-30

STEEL STUD EXTERIOR WALL
- [ ] R-13 (2X4) W/ R-4 CONT. RIGID INSULATION

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
SCHEDULES

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 2475 STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 2475 STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS FLS SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
A-0.2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 1 of 4)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 8/9/18

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
☐ CONDITIONED spaces ☑ UNCONDITIONED spaces

A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES
If using Complete Building Method for compliance, use only the total in column (a) as total allowed building watts.
If using Area Category Method, Tailored Method, or a combination of Area Category and Tailored Method for compliance, use only the total in column (b) as the total allowed building watts

	(a)	(b)
01 Complete Building Method Allowed Watts. Documented in section B of NRCC-LTI-03-E (below on this page)	0	
02 Area Category Method Allowed Watts. Documented in section C-1 of NRCC-LTI-03-E (below on this page)		277
03 Tailored Method Allowed Watts. Documented in section A of NRCC-LTI-04-E		0
TOTAL ALLOWED BUILDING WATTS. Enter number into correct cell on NRCC-LTI-01-E, Page 2, Row 1	0	277

☐ Check here if building contains both conditioned and unconditioned areas.

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

01	02		03		04
TYPE OF BUILDING (From §140.6 Table 140.6-B)	WATTS PER ft²	X	COMPLETE BLDG. AREA	=	ALLOWED WATTS
					0
			Total Area:		
Total Watts. Enter Total Watts into section A, row 1 (Above on this page)					0

C-1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES	Watts
Total from section C-2.	
Total from section C-3.	
Total Watts. Enter Total Watts into section A, row 2 (Above on this page).	0
For Alterations Only – Reduced lighting power option (Total Allowed Watts x 0.85). Enter this value into section A, row 2 if using this option.	

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 2 of 4)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 8/9/18

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
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C-2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE
- Do not include portable lighting for offices. Portable lighting for offices shall be documented only in Section G of NRCC-LTI-01-E.
- Separately list lighting for each primary function area as defined in §100.1 of the Standards.

01		02		03		04
AREA CATEGORY (From §140.6 Table 140.6-C)		WATTS				ALLOWED
Location in Building	Primary Function Area per Table 140.6-C	PER ft²	X	AREA (ft²)	=	WATTS
Restroom	Restroom	.6		370		222
Chase	Chase	.5		110		55
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
						0
			TOTALS	480		
Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance document)						277
						WATTS

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 3 of 4)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 8/9/18

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:
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C-3 AREA CATEGORY METHOD ADDITIONAL LIGHTING WATTAGE ALLOWANCE (from Table 140.6-C Footnotes)

01	02	03	04	05	06	07
Primary Function	Sq Ft or Linear ft	Additional Watts Allowed	Wattage Allowance (02 x 03)	Description(s) and Quantity of Special Luminaire Types in each Primary Function Area	Total Design Watts	ALLOWED WATTS Smaller of 04 or 06
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
			0			
TOTALS – Enter into TOTAL AREA CATEGORY METHOD ADDITIONAL ALLOWANCES – Section C-1						

1. Use linear feet only for additional allowance for white board or chalk board. All other additional Area Category allowances that use watts per square foot.
2. Additional watts are available only when allowed according to the footnotes on bottom of Table 140.6-C, which include: Specialized task work; Ornamental lighting; Precision commercial and Industrial work; Per linear foot of white board or chalk board; Accent, display and feature lighting; and Videoconferencing studio lighting..
3. Luminaire classification and wattage shall be determined in accordance with §130.0(c) of the Standards.

STATE OF CALIFORNIA
INDOOR LIGHTING POWER ALLOWANCE
CEC-NRCC-LTI-03-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-03-E
Certificate of Compliance - Indoor Lighting Power Allowance	(Page 4 of 4)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 8/9/18

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan Mcintosh	Documentation Author Signature: Ryan E McIntosh
Company:	Signature Date: 8.9.18
Address:	CEA Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: John Starlin	Responsible Designer Signature: John W Starlin
Company: Silver Creek	Date Signed: 8.9.18
Address:	License: 2475
City/State/Zip:	Phone:

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 6 of 6)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 11/7/17

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan Mcintosh	Documentation Author Signature: Ryan E McIntosh
Company:	Signature Date: 8.9.18
Address:	CEA Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT
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Responsible Designer Name: John Starlin	Responsible Designer Signature: John W Starlin
Company: Silver Creek	Date Signed: 8.9.18
Address:	License: 2475
City/State/Zip:	Phone:

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 1 of 3)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 11.7.17

A. Mandatory Lighting Control Declaration Statements (Indicate if the measure applies by checking yes or no below.)

YES	NO	Control Requirements
◉	○	Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 110.9.
◉	○	Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with Section 130.4(b).
○	◉	One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with §110.9 and §130.0. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).
○	◉	A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 110.9 and Section 130.0. Additionally, an Installation Certificate shall be installed in accordance with Section 130.4(b).
◉	○	All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.
◉	○	All luminaires shall be functionally controlled with manual ON and OFF lighting controls in accordance with Section 130.1(a).
◉	○	General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled on circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled; in accordance with Section 130.1(a)4.
◉	○	The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).
◉	○	All installed indoor lighting shall be equipped with controls that meet the applicable Shut-OFF control requirements in Section 130.1(c).
○	◉	Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylit zones are shown on the plans.
○	◉	Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).
◉	○	Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.4.(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-OFF controls, and demand responsive controls.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 2 of 3)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 11.7.17

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:
☐ CONDITIONED SPACES ☑ UNCONDITIONED SPACES

B. Mandatory and Prescriptive Indoor Lighting Control Schedule, PAF Calculation, and Field Inspection Checklist

Lighting Control Schedule			Standards Complying With [1] (✓ all that apply, or leave empty if Exempted)							PAF Credit Calculation [2]				Field Inspector	
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	
Location in Building	Type/ Description of Lighting Control (i.e.: occupancy sensor, automatic time switch, dimmer, automatic daylight, etc...)	# of Units	§130.1(a)	§130.0(b)	§130.1(c)	§130.1(d)	§130.1(e)	§140.6(a)2	§140.6(d)	Watts of Controlled Lighting	PAF	Control Credit (11 x 12)	✓ if Acceptance Test Required	Pass	Fail
ALL	OCCUPANCY SENSOR	VARIES	•	•	•							0	☐	○	○
												0	☐	○	○
												0	☐	○	○
												0	☐	○	○
												0	☐	○	○
												0	☐	○	○
												0	☐	○	○
Control Credit PAGE TOTAL (Sum of Column 13):												0			
IF MULTIPLE PAGES ARE USED, ENTER SUM TOTAL OF Control Credit for all pages HERE (Sum of all Column 13):															
												Enter Control Credit total into NRCC-LTI-01-E; Page 1.			

1. §130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive; §140.6(d) = Additional lighting controls installed to earn a PAF; §140.6(d) = Prescriptive Secondary Sidelit Daylight Controls.
2. Check Table 140.6-A for correct Factor. PAFs shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA
INDOOR LIGHTING – LIGHTING CONTROLS
CEC-NRCC-LTI-02-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-02-E
Indoor Lighting - Lighting Controls	(Page 3 of 3)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 11.7.17

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan Mcintosh	Documentation Author Signature: Ryan E McIntosh
Company:	Signature Date: 11.7.17
Address:	CEA Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: John Starlin	Responsible Designer Signature: John W Starlin
Company: Silver Creek	Date Signed: 7.29.18
Address:	License: 2475
City/State/Zip:	Phone:

APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP.# 04-118031 DATE 12-10-18

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 1 of 6)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 11/7/17

A. General Information

Climate Zone: NA	Conditioned Floor Area:					
	Unconditioned Floor Area: 480					
Building Type:	☑	Nonresidential	☐	High-Rise Residential	☐	Hotel/Motel
☑ Schools	☑	Relocatable Public Schools	☐	Conditioned Spaces	☑	Unconditioned Spaces
Phase of Construction:	☑	New Construction	☐	Addition	☐	Alteration
Method of Compliance:	☑	Complete Building	☐	Area Category	☐	Tailored
Project Address:						

B. Lighting Compliance Documents (select yes for each document included)
For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

YES	NO	COMP. DOC.	TITLE
◉	○	NRCC-LTI-01-E	Certificate of Compliance. All Pages required on plans for all submittals.
◉	○	NRCC-LTI-02-E	Lighting Controls, Certificate of Compliance, and PAF Calculation. All Pages required on plans for all submittals.
◉	○	NRCC-LTI-03-E	Indoor Lighting Power Allowance
○	◉	NRCC-LTI-04-E	Tailored Method Worksheets
○	◉	NRCC-LTI-05-E	Line Voltage Track Lighting Worksheets
○	○	NRCC-LTI-06-E	Indoor Lighting Existing Conditions

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 2 of 6)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 11/7/17

C. Summary of Allowed Lighting Power
Conditioned and Unconditioned space Lighting must not be combined for compliance

	Indoor Lighting Power for Conditioned Spaces		Watts	Indoor Lighting Power for Unconditioned Spaces		Watts
01	Installed Lighting NRCC-LTI-01-E, Table H, page 5	+		Installed Lighting NRCC-LTI-01-E, Table H, page 5	+	270
02	Portable Only for Offices NRCC-LTI-01-E, Table G, page 4	+				
03	Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-		Minus Lighting Control Credits NRCC-LTI-02-E, page 2	-	0
04	Adjusted Installed Lighting Power (row 1 plus row 2 minus row 3)	=	0	Adjusted Installed Lighting Power (row 1 minus row 3)	=	270
	Complies ONLY if Installed ≤ Allowed (Box 04 < Box 05)			Complies ONLY if Installed ≤ Allowed (Box 04 < Box 05)		
05	Allowed Lighting Power Conditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35%lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-06, page 2			Allowed Lighting Power Unconditioned NRCC-LTI-03-E, page 1 Alterations with replacement luminaires that have at least 50/35% lower power compared to the original existing luminaires, may instead use the allowed wattage from NRCC-LTI-06, page 2		277

D. Declaration of Required Certificates of Installation
Declare by selecting yes for all of the Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	Form/Title	
◉	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐ Field Inspector
◉	○	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐ Field Inspector
○	◉	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐ Field Inspector

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 3 of 6)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 11/7/17

E. Declaration of Required Certificates of Acceptance
Declare by selecting yes for all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

YES	NO	FORM/TITLE	
◉	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐ Field Inspector
○	◉	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐ Field Inspector
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐ Field Inspector
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for: ☐ CONDITIONED SPACE ☑ UNCONDITIONED SPACE

F. Indoor Lighting Schedule and Field Inspection Energy Checklist
☑ The actual indoor lighting power listed on the next 2 pages includes all installed permanent and planned portable lighting systems.
☑ When Complete Building Method is used for compliance, list each different type of luminaire on separate lines.
☐ When Area Category Method or Tailored Method is used for compliance, list each different type of luminaire by each different function area on separate lines
☐ Also include track lighting in schedule, and submit the track lighting compliance document (NRCC-LTI-05-E) when line-voltage track lighting is installed.

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 4 of 6)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 11/7/17

G. Installed Portable Luminaires in Offices – Exception to Section 140.6(a)
- This section shall be filled out ONLY for portable luminaires in offices (As defined in §100.1). All other planned portable luminaires shall be documented on next page of this compliance document.
- This section is used to determine if greater than 0.3 watts of portable lighting is planned for any office
- Fill out a separate line for each different office. Small offices that are typical (having the same general and portable lighting) may be grouped together. This allowance shall not be traded between offices having different lighting systems.

Office Portable Luminaire Schedule	Office Installed Portable Luminaire W/ft²							Office Location	Field Inspector	
01	02	03	04	05	06	07	08	09	10	
Complete Luminaire Description (i.e., LED, under cabinet, furniture mounted direct/indirect)	Watts per Luminaire	Number of Luminaires	Installed portable luminaire watts in this office (G02 x G03)	Square feet of this office	Watts per square foot (G04 / G05)	If G06 ≤ 0.3, enter zero; If G06 > 0.3, (G06-0.3)	(G05 x G07)	Identify Office area in which these portable luminaires are installed	Pass	Fail
			0				0		○	○
			0				0		○	○
			0				0		○	○
			0				0		○	○
			0				0		○	○
Total installed portable luminaire watts that are greater than 0.3 W/ft² per office:								Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

STATE OF CALIFORNIA
INDOOR LIGHTING
CEC-NRCC-LTI-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTI-01-E
Indoor Lighting	(Page 5 of 6)
Project Name: SILVER CREEK WORST CASE RESTROOM BUILDING	Date Prepared: 11/7/17

A Separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:
☐ CONDITIONED SPACE ☑ UNCONDITIONED SPACE

H. Indoor Lighting Schedule and Field Inspection Energy Checklist

Luminaire Schedule		Installed Watts					Location	Field Inspector [1]	
01	02	03	04		05	06	07	08	
			How wattage was determined						
Name or Item Tag	Complete Luminaire Description (i.e, 3 lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number Luminaires	Total Installed Watts in this area (H03 xH05)	Primary Function area in which these luminaires are installed	Pass	Fail
	2X4 LED	40	☐	☑	6	240	SCHOOL BLDG	○	○
	LED WALL CHASE LIGHT	15	☐	☐	2	30	SCHOOL BLDG	○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
			☐	☐		0		○	○
INSTALLED WATTS PAGE TOTAL:						270	Enter sum total of all pages into NRCC-LTI-01-E; Page 2		

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
ENERGY COMPLIANCE FORMS

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLIN STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLIN STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS ✓ SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC BM FLS DS SSR KER
DATE 08/22/2018

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
A-0.5A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 3 of 4)
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

I. Outdoor Lighting Schedule and Field Inspection Energy Checklist

Luminaire Schedule		Installed Watts					Location	Cutoff	Field Inspector	
01	02	03	04		05	06	07	08	09	
			How wattage was determined							
Name or Item Tag	Complete Luminaire Description	Watts per Luminaire	CEC Default from NA8	According to §130.0(c)	Number of Luminaires	Total Installed Watts (03 x 05)	Primary Function area in which these luminaires are installed (Outdoor Lighting Zone)	BUG Rating	Pass	Fail
	LED Wallpack	30	☐	☑	1	30	Entry Door	UH: UL: FVH: BVH: FH: BH:	○	○
			☐	☐		0		UH: UL: FVH: BVH: FH: BH:	○	○
			☐	☐		0		UH: UL: FVH: BVH: FH: BH:	○	○
					INSTALLED WATTS PAGE TOTAL:	30	Enter sum total of all pages (Sum Total INSTALLED Outdoor lighting wattage) into NRCC-LTO-01-E; Page 1		30	

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 1 of 4)
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

A. General Information

Project Address:			Total Illuminated Hardscape Area:	
Phase of Construction:	☑ New Construction	☐ Addition	☐ Alteration	
Outdoor Lighting Zone (LZ)	☐ LZ-1	☐ LZ-2	☑ LZ-3	☐ LZ-4
I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114				

B. Lighting Compliance Documents (check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

- ☑ NRCC-LTO-01-E — Certificate of Compliance
- ☑ NRCC-LTO-02-E — Outdoor Lighting Controls Certificate of Compliance
- ☑ NRCC-LTO-03-E — Outdoor Lighting Power Allowance Certificate of Compliance
- ☐ NRCC-LTO-04-E — Outdoor Lighting Existing Conditions Certificate of Compliance

C. Summary of Allowed Outdoor Lighting Power

		Watts
01	Sum Total ALLOWED Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1	30
	Alterations with NO increase of connected lighting load may instead use the allowed wattage from NRCC-LTO-04, page 2.	
	Complies ONLY if Installed (Box 02) ≤ Allowed (Box 01)	
02	Sum Total INSTALLED Outdoor Lighting Wattage from NRCC-LTO-01-E, page 3.	30

D. Declaration of Required Installation Certificates

Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

- ☑ NRCI-LTO-01-E - Must be submitted for all buildings — ☐ Field Inspector
- ☑ NRCI-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance. — ☐ Field Inspector

E. Declaration of Required Certificates of Acceptance

Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

- ☑ NRCA-LTO-02-A - Must be submitted for outdoor lighting controls. — ☐ Field Inspector

F. Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements in §140.7

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — April 2016

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	Page 3 of 4
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

C. Voltage Drop *Check all boxes below if he electrical power distribution system is in compliance with Section 130.5(c).*	Enforcement Agency Check that the system complies
☑ The electrical power distribution system meets the voltage drop requirement of Section 130.5(c). The maximum combined voltage drop on feeder conductors and branch circuit conductors to the farthest connected load or outlet, do not exceed 5%.	☐
☐ Voltage drop calculation documents showing compliance to Section 130.5(c) are submitted as part of the compliance document submittal.	☐

D. Circuit Controls for 120-Volt Receptacles and Controlled Receptacles *Check one or more boxes below for applicable requirements of Section 130.5(d) for the electrical power distribution system.*	Field Inspector Check that the system complies
☐ The control is capable of automatically shutting OFF the controlled receptacles when the space is typically unoccupied, either at the receptacle or circuit level. For the automatic time switch control, it incorporates an override control that allows the controlled receptacle to remain ON for no more than 2 hours when an override is initiated and an automatic holiday "shut-OFF" feature that turns OFF all loads for at least 24 hours and then resumes the normally scheduled operation. Countdown timer switches are not be used to comply with the automatic time switch control requirements. The controls meet the requirement of Section 130.5(d)1.	☐
☐ There is at least one controlled receptacle within 6 ft from each uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)2.	☐
☐ There are installed split wired receptacles with at least one controlled and one uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)2.	☐
☐ Permanent and durable marking for controlled receptacles or circuits to differentiate them from uncontrolled receptacles or circuits is provided. The markings meet the requirement of Section 130.5(d)3.	☐
☐ For hotel and motel guest rooms, there are controlled receptacles for at least one-half of the 120-volt receptacles in each guest room. Electric circuits serving controlled receptacles in guestrooms are installed to have captive key controls, occupancy sensing controls, or automatic controls so the power is switched off no longer than 30 minutes after the guest room has been vacated. The receptacles meet the requirement of Section 130.5(d)4.	☐
☐ Receptacles that are only for the following purposes are excepted from Section 130.5(d): - Receptacles specifically for refrigerators and water dispensers in kitchen areas. - Receptacles located a minimum of six ft above the floor that are specifically for clocks. - Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms. - Receptacles on circuits rated more than 20 amperes. - Receptacles connected to an uninterruptible power supply (UPS) that are intended to be in continuous use, 24 hours per day/365 days per year, and are marked to differentiate them from other uncontrolled receptacles or circuits.	☐

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — January 2016

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	Page 1 of 4
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

General Information

Project Address:		Climate Zone:	Conditioned Floor Area : 960 Unconditioned Floor Area :
Building Type:	☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/Motel
☑ Schools	☑ Relocatable Public Schools	☐ Conditioned Spaces	☐ Unconditioned Spaces
Phase of Construction:	☑ New Construction	☐ Addition	☐ Alteration

In the table below identify all applicable construction documents that specify the requirements for the scope of responsibility reported by this certificate. Use additional pages as needed to list all construction documents related to compliance of Section 130.5.

Document Number	Document Title/Descriptions (Include description information for Table or Schedule if it contains compliance information)	Document Sheet # or Page #	Indicate which subsection of Section 130.5 is related to the document (e.g. 130.5(a) for service electrical metering)
PC Drawings			

A. Service Electrical Metering

Check one of the three boxes below if the electrical power distribution system is in compliance with Section 130.5(a).

- ☑ For newly installed electrical service in newly constructed buildings, Service Electrical Metering is required according to Section 130.5(a). *Fill out Column 1 through 6 of table below.*
- ☐ For new or replacement electrical service equipment in existing buildings, Service Electrical Metering is required according to Section 141.0(b)2PI. *Fill out Column 1 through 6 of table below.*
- ☐ EXCEPTION to Electrical Service Metering: Service or feeder for which the utility company provides a metering system that indicates instantaneous kW demand and kWh for a utility-defined period. *Fill out Column 1, 2 and 6 of table below with the compliance information.*

Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)				Exception to 130.5 (a)	Field Inspector
01	02	03	04	05	06	07	08
Electrical Service Designation/ Location/Description	kVA	Instantaneous (at the time) kW	Historical peak (kW)	Tracking kWh for a user-definable period	kWh per rate period	Utility metering system	Check that the metering complies
Building Feeder	49	☑	☐	☑	☐	☐	☐

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — January 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 4 of 4)
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh	Documentation Author Signature: Ryan E McIntosh
Company: Silver Creek	Signature Date: 9.30.17
Address:	CEA Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: John Starlin	Responsible Designer Signature: John W Starlin
Company : Silver Creek	Date Signed: 6.25.18
Address:	License: 2475
City/State/Zip:	Phone:

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — April 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCC-LTO-01-E (Revised 04/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-01-E
Outdoor Lighting	(Page 2 of 4)
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

G. Schedule of Luminaires Exempt from the Cutoff Requirements in §130.2(b)

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions

H. Schedule of Luminaires Exempt from the Outdoor Lighting Control Requirements in §130.2(c)

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — April 2016

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	Page 4 of 4
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh	Documentation Author Signature: Ryan E McIntosh
Company: Silver Creek	Signature Date: 9.30.17
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: John Starlin	Responsible Designer Signature: John W Starlin
Company : Silver Creek	Date Signed: 6.25.18
Address:	License: 2475
City/State/Zip:	Phone:

STATE OF CALIFORNIA
Electrical Power Distribution
CEC-NRCC-ELC-01-E (Revised 01/16) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-ELC-01-E
Electrical Power Distribution	Page 2 of 4
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

B. Separation of Electrical Circuits for Electrical Energy Monitoring

Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(b).

- ☐ The electrical power distribution system meets the separation of electrical circuits for electrical energy monitoring requirement of Section 130.5(b). The electrical power distribution systems is designed so that measurement devices can monitor the electrical energy usage of load types according to TABLE 130.5-B.
- ☐ Describe the electrical power distribution system installed and the compliance method chosen in meeting the requirement of Section 130.5(b). Use the space below to include the information. Examples of compliance methods are detailed in Nonresidential Compliance Manual Chapter 8.

Fill out Column 1 thru 3 with the compliance information.

General Information	Electrical Power Distribution System Information and Method of compliance	Electrical Service Rating	Enforcement Agency
01	02	03	04
Electrical Service Designation/Location/Description	Describe the electrical power distribution system installed and the compliance method used	kVA	Check that the system complies
NA	NA - System is less than 50kVA	49	☐

Field Inspector Notes:

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — April 2016

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — January 2016

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance — January 2016

APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP.# 04-118031

CERTIFICATE OF COMPLIANCE, OUTDOOR LIGHTING

CERTIFICATE OF COMPLIANCE, ELECTRICAL POWER DISTRIBUTION

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
CERTIFICATE OF COMPLIANCE FORMS

REGISTERED PROFESSIONAL ENGINEER — JOHN W STARLIN — STRUCTURAL — STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER — JOHN W STARLIN — STRUCTURAL — STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS ✓ SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS
1
2
3
4
5
6
7
8

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
A-0.6A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 08/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 1 of 3)
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

A. Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:

- ☑ Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
- ☑ Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
- ☑ All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.0(d).
- ☐ Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)5.
- ☐ All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- ☐ All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Uplight and Glare requirements in accordance with Section 130.2(b)
- ☐ All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control, or other control capable of automatically switching OFF in accordance with Section 130.2(c)1.
- ☑ All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)2.
- ☑ All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)3.
- ☐ For Outdoor Sales Frontage, an automatic lighting control shall be installed in accordance with Section 130.2(c)4.
- ☐ For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control shall be installed in accordance with Section 130.2(c)5
- ☐ Before an occupancy permit is granted for the newly constructed building or for the addition, or for any altered outdoor lighting controls, shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4.(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8.

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 08/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 2 of 3)
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist

Outdoor Lighting Control Schedule			Standards Complying With (✓ all that apply, or leave empty if Exempted)						✓ if Acceptance Test Required	Field Inspector	
01	02	03	04	05	06	07	08	09	10	11	
Location and Application of Luminaires Being Controlled	Type/ Description of Lighting Control (i.e. outdoor motion sensor, outdoor photocontrol, outdoor astronomical time-switch control, automatic scheduling control, part-night outdoor lighting control)	# of Units	§130.2(a)	§130.2(c)1	§130.2(c)2	§130.2(c)3	§130.2(c)4	§130.2(c)5		Pass	Fail
Entry Door	Wall Pack	1		•	•	•			☐	○	○
									☐	○	○
									☐	○	○
									☐	○	○
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STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
CEC-NRCC-LTO-02-E (Revised 08/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-02-E
Outdoor Lighting Controls	(Page 3 of 3)
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh	Documentation Author Signature: Ryan E McIntosh
Company: Silver Creek	Signature Date: 9.30.17
Address:	CEA Certification Identification (If applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance *(responsible designer)*.
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
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Responsible Designer Name: John Starlin	Responsible Designer Signature: John W Starlin
Company: Silver Creek	Date Signed: 6.25.18
Address:	License: 2475
City/State/Zip:	Phone:

CERTIFICATE OF COMPLIANCE, OUTDOOR LIGHTING CONTROLS

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
CEC-NRCC-PLB-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-01-E
Water Heating System General Information	(Page 1 of 2)
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

A. GENERAL INFORMATION/SYSTEM INFORMATION

01	Water Heater System Name:	WH-1
02	Water Heater System Configuration:	
03	Water Heater System Type:	Domestic Hot Water
04	Building Type:	Nonresidential
05	Total Number of Water Heaters in Systems:	1
06	Central DHW Distribution Type:	
07	Dwelling Unit DHW Distribution Type:	

B. WATER HEATER INFORMATION

Each water heater type requires a separate compliance document.

01	Water Heater Type:	Instantaneous Small - Electric
02	Fuel Type:	Electricity
03	Manufacture Name:	EEMAX
04	Model Number:	SP 3012
05	Number of Identical Water Heaters:	1
06	Installed Water Heater System Efficiency:	.93
07	Required Minimum Efficiency:	.93
08	Standby Loss Percent or Standby Loss Total:	
09	Rated Input:	3 KW
10	Pilot Energy:	
11	Water Heater Tank Storage Volume:	
12	Exterior Insulation on Water Heater:	
13	Volume of Supplemental Storage:	
14	Internal Insulation on Supplemental Storage:	
15	Exterior Insulation on Supplemental Storage:	

C. PLUMBING COMPLIANCE FORMS & WORKSHEETS

Check box if worksheet is included.

For detailed instructions on the use of this and all Energy Standards compliance documents, refer to the 2016 Nonresidential Manual
Note: The Enforcement Agency may require all compliance documents to be incorporated onto the building plans.

YES	NO	Doc/Worksheet #	Title
◉	○	NRCC-PLB-01-E	Certificate of Compliance, Declaration. Required on plans for all submittals.
○	○	NRCI-PLB-01-E	Certificate of Installation. Required on plans for all submittals.
○	○	NRCI-PLB-02-E	Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.
○	○	NRCI-PLB-03-E	Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.
○	○	NRCI-PLB-21-H	Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.
○	○	NRCI-PLB-22-H	Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.
○	○	NRCI-STH-01-E	Certificate of Installation, required on any solar water heating

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
CEC-NRCC-PLB-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-01-E
Water Heating System General Information	(Page 2 of 2)
Project Name: SILVER CREEK PC - TYPICAL CLASSROOM	Date Prepared: 9.30.17

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh	Documentation Author Signature: Ryan E McIntosh
Company: Silver Creek	Signature Date: 9.30.17
Address:	CEA/ HERS Certification Identification (If applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

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2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
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Responsible Designer Name: John Starlin	Responsible Designer Signature: John W Starlin
Company: Silver Creek	Date Signed: 6.25.18
Address:	License: 2475
City/State/Zip:	Phone:

APPROVED
DIVISION OF STATE ARCHITECT
HIGH PERFORMANCE SECTION
APP.# 04-116720 DATE: 8-10-18

CERTIFICATE OF COMPLIANCE, WATER HEATER SYSTEM

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
CERTIFICATE OF COMPLIANCE FORMS

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLIN
2475
STRUCTURAL
STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLIN
2475
STRUCTURAL
STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS — SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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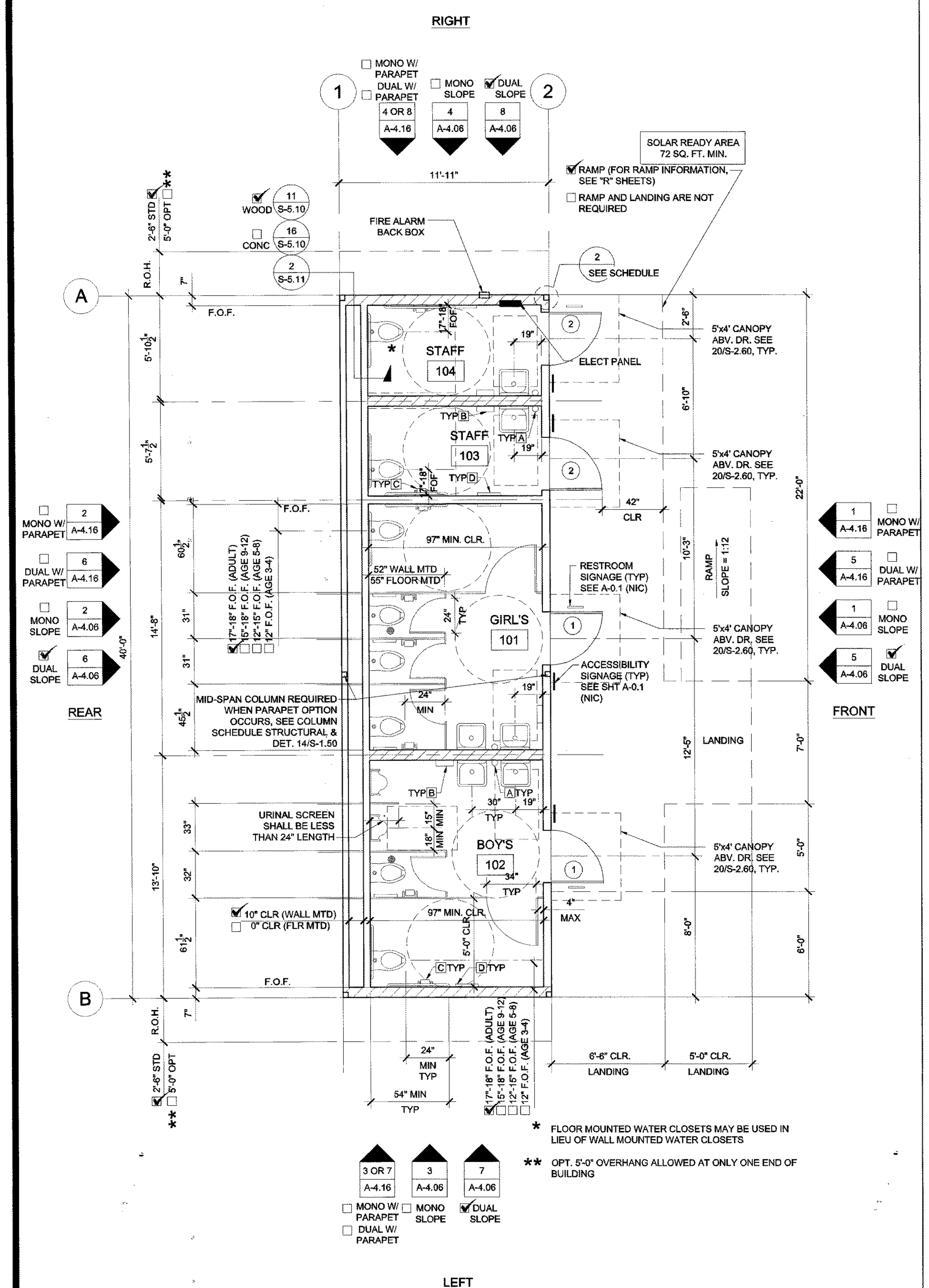
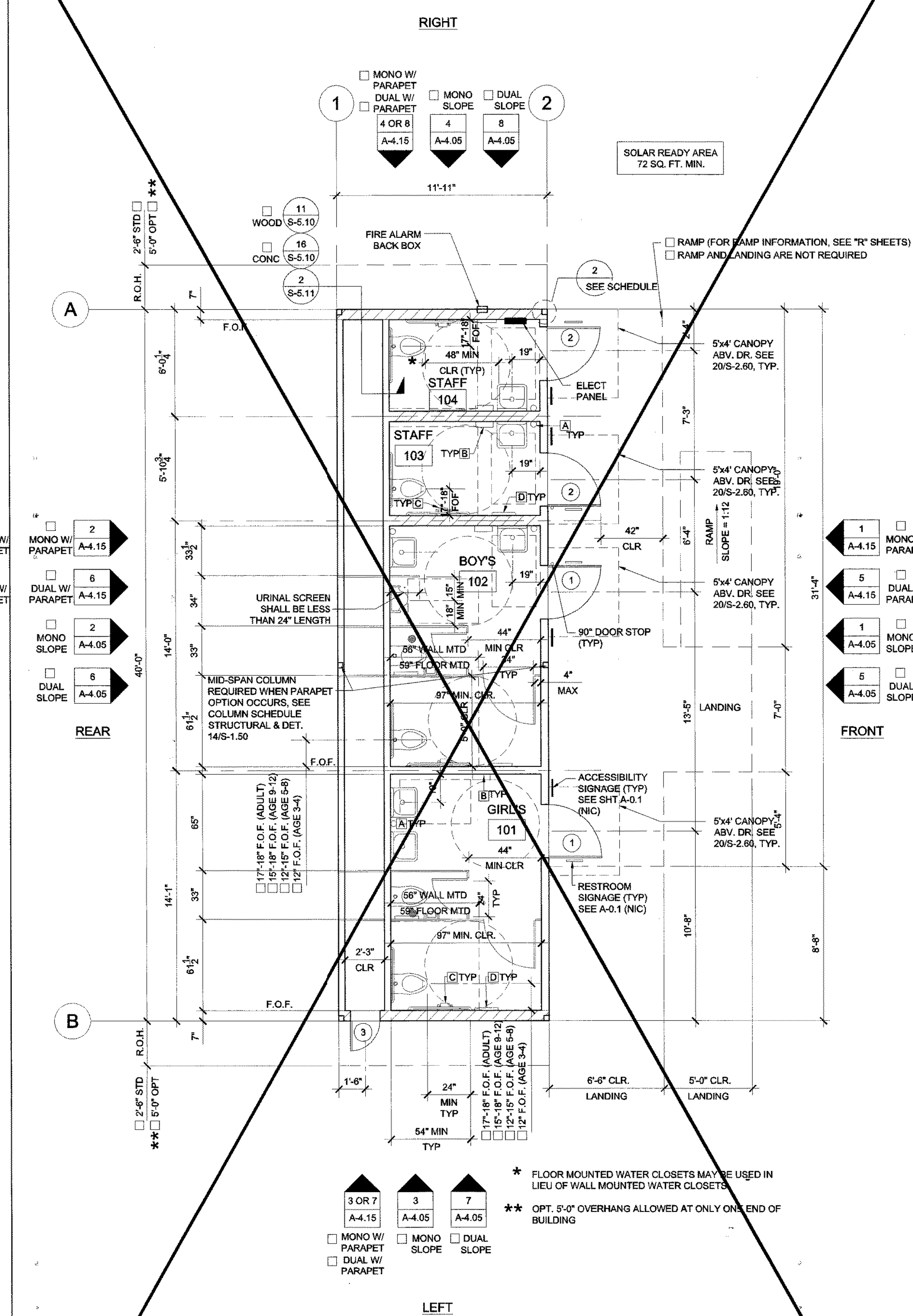
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
A-0.6B



FLOOR PLAN - MODEL C-2 — SCALE: 1/4" = 1'-0" — 2



FLOOR PLAN - MODEL C-1 — SCALE: 1/4" = 1'-0" — 1

NOTES

1. PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. PER IR 16-1.13 (2.1)
(1) LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, AND Kzt = 1.0 2016 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER = S_s.
2. VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7.
3. LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA.)
4. POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CALIFORNIA CODE OF REGULATIONS (CCR) TITLES 19, ART. 3.30 (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK) (MODEL 'E' ONLY)
5. IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS.
6. FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBES, PER IR 16-1.13 (2.1)
7. FLOOR MOUNTED TOILETS MUST BE USED FOR "K" R.R. BUILDINGS.
8. ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION.
9. REQ. LOCATION OF LAV. TO BE 19" MIN. FROM FACE OF FIN. OF WALL WHEN ACCESSORIES (PAPER TOWEL DISP., ELECTRIC HAND DRYERS, ETC.) HAVING A 4" PROJECTION ARE TO BE INSTALLED, SO AS NOT TO ENCROACH INTO THE 30" x 48" CLEAR SPACE.
10. INT. WALLS MAY BE ADDED TO FLOOR PLAN (SEE STRUCTURAL).
11. FOR CASEWORK, TEACHER WALL, OR TV BLKG. OPT'S, SEE A-5.80.

DETAIL SCHEDULE

FINISH:	SHEET #:
☑ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

~~FIRE RATED DETAIL SCHEDULE~~

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

WALL LEGEND

NOMINAL 4" WALL STUD ☐
NOMINAL 6" WALL STUD ☐
NOMINAL 8" WALL STUD ☐

A WINDOW PER SCHEDULE SHEET A-0.2
DOOR PER SCHEDULE SHEET A-0.2

~~NOTE: IF PARAPET IS USED & HEIGHT ... END WALLS MUST BE 2x6 @ 24" O.C.~~

THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC SUCH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES. OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES.

SYMBOLS LEGEND

60" CIRCLE CLEAR SPACE
30"x48" CLEAR SPACE

TOILET ACCESSORIES

A SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX PROJECTION
B PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED SHALL BE MOUNTED SUCH THAT THE BOTTOM OF THE ACCESSORY IS NOT MORE THAN 27" AFF. 5" MAX. PROJECTION-CANNOT ENCROACH INTO 30"x48" CLEAR SPACE OF FIXTURE
C TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION
D TOILET SEAT DISPENSER: SURFACE MOUNTED
ACCESSORY NOTE: TOILET ACCESSORIES (NIC) SEE SHEET P-2.01 FOR ACCESSIBLE ELEVATION & DIMENSIONS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
FLOOR PLAN
12'x40' - MODEL C-1
12'x40' - MODEL C-2

STOCKPILE PROFESSIONAL
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS FLS SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT CODE: 2016 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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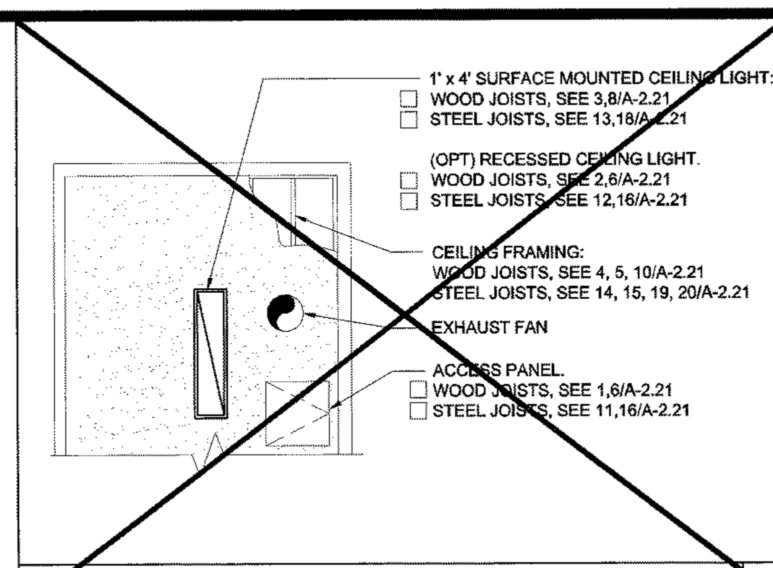
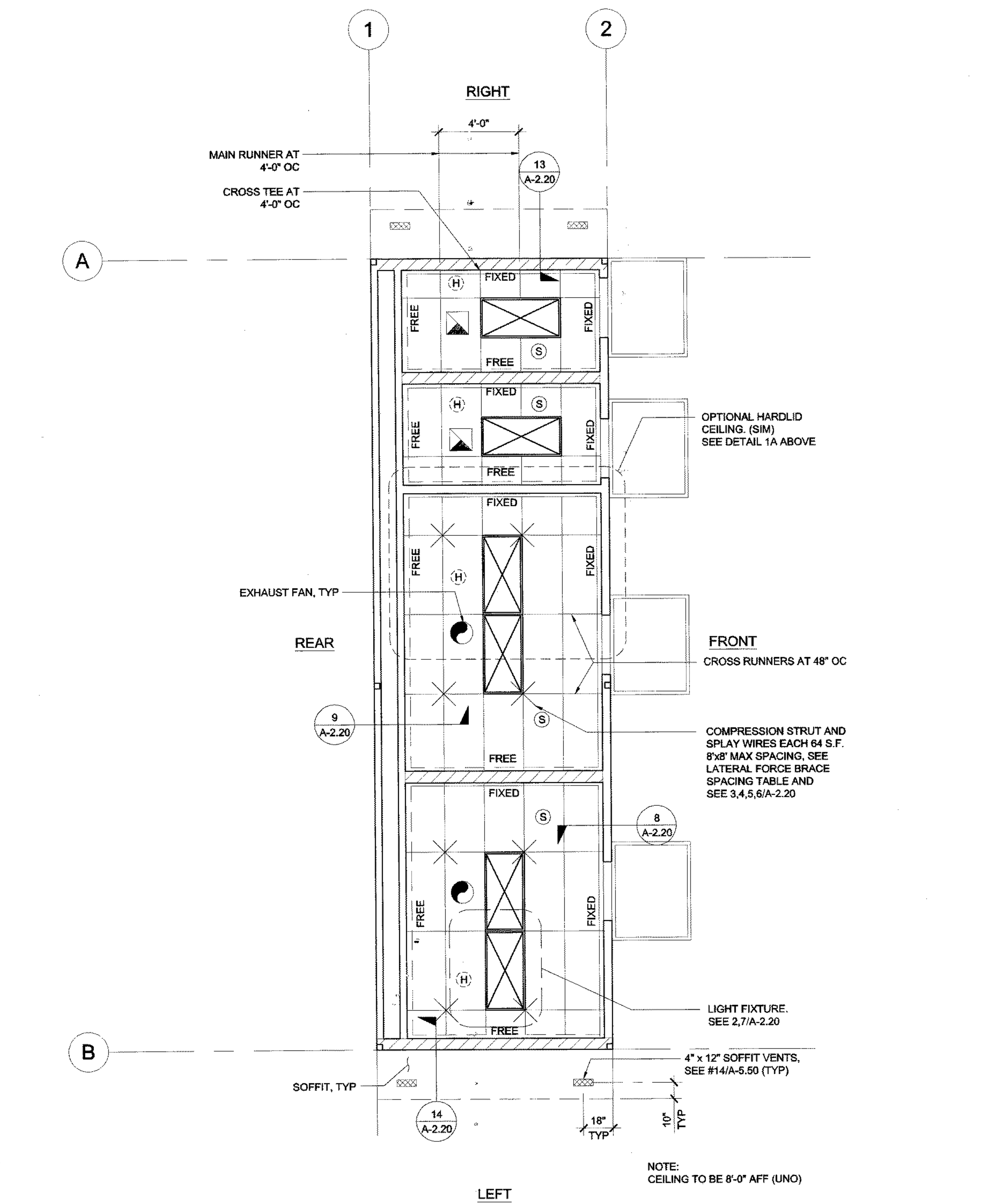
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

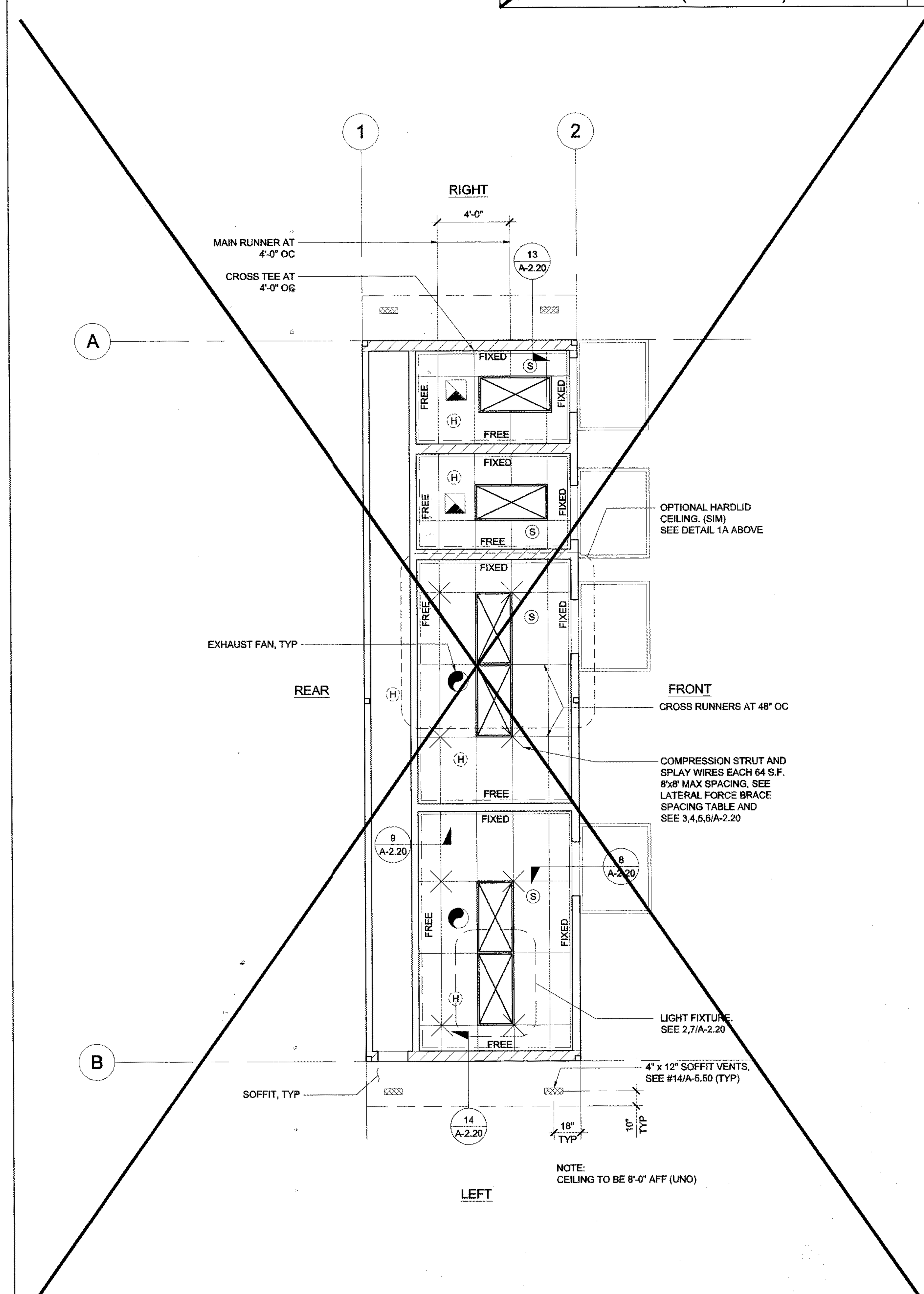
P.C. SHEET NUMBER
A-1.03



HARD LID CEILING (OPTIONAL) SCALE: 1/4" = 1'-0" 1A



REFLECTED CEILING PLAN - MODEL C-2 SCALE: 1/4" = 1'-0" 2



REFLECTED CEILING PLAN - MODEL C-1 SCALE: 1/4" = 1'-0" 1

LEGEND

- T-BAR CEILING
- FIELD INSTALLED PANEL AT MODULE LINE
- 2' x 4' RECESSED LIGHT FIXTURE
- "OPTIONAL" 1' x 4' RECESSED LIGHT FIXTURE
- SPLAY WIRE
- CEILING EXHAUST FAN
- (OS) CEILING MOUNTED OCCUPANCY SENSOR
- (PC) CEILING MOUNTED PHOTOCELL
- (S) CEILING MOUNTED SMOKE DETECTOR
- (H) ATTIC MOUNTED HEAT DETECTOR

NOTE:
FOR ALL REFLECTED CEILING NOTES SEE SHEET A-0.1

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS ICC-ES ESR-1308
MAIN RUNNER: 7301
4' CROSS TEE: XL7341
2' CROSS TEE: XL7328

STANDARD 7/8" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308) 2" WALL ANGLE: 7810 (OPTIONAL)

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
REFLECTED CEILING PLAN
12'x40' MODEL C-1 OR C-2

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLIN STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLIN STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
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ORIGINAL PC STATE AGENCY APPROVAL
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FILE NUMBER: 33-SILVER
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AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

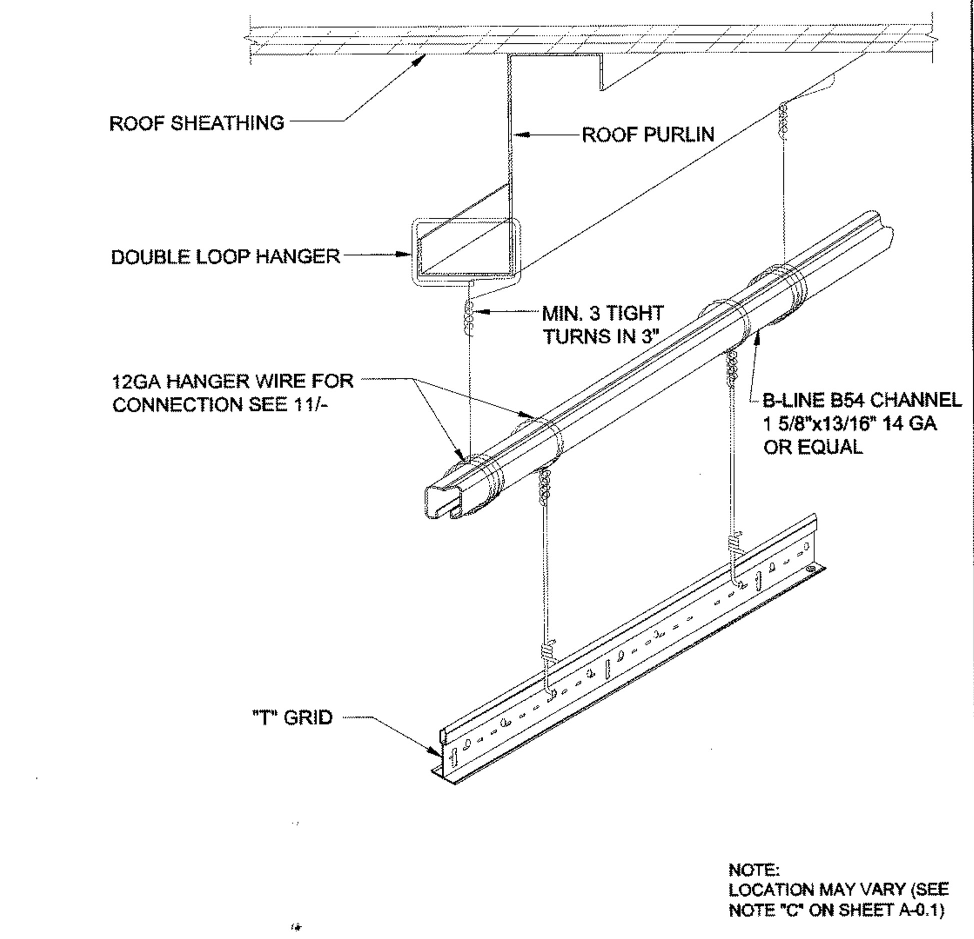
P.C. SHEET NUMBER
A-2.03

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

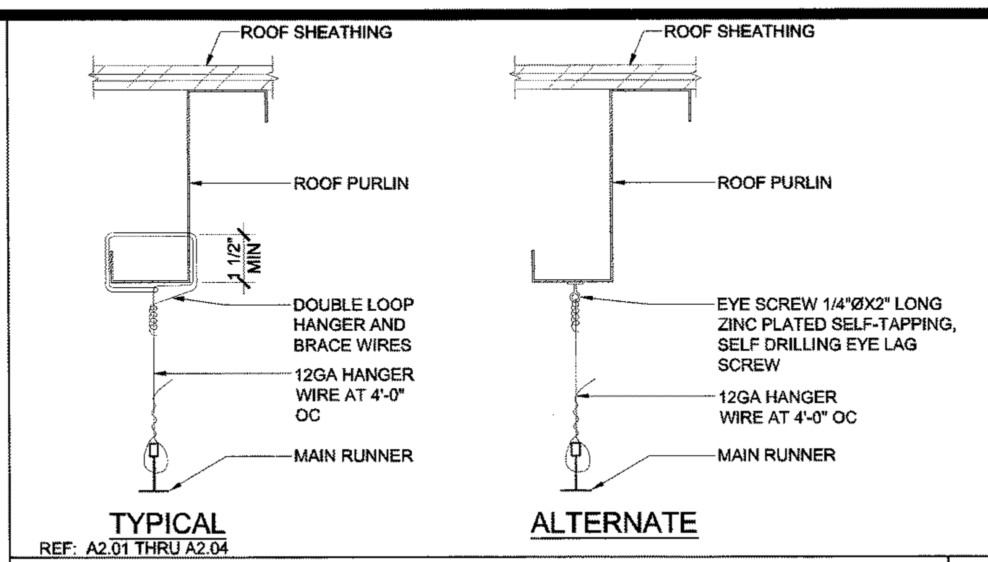
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

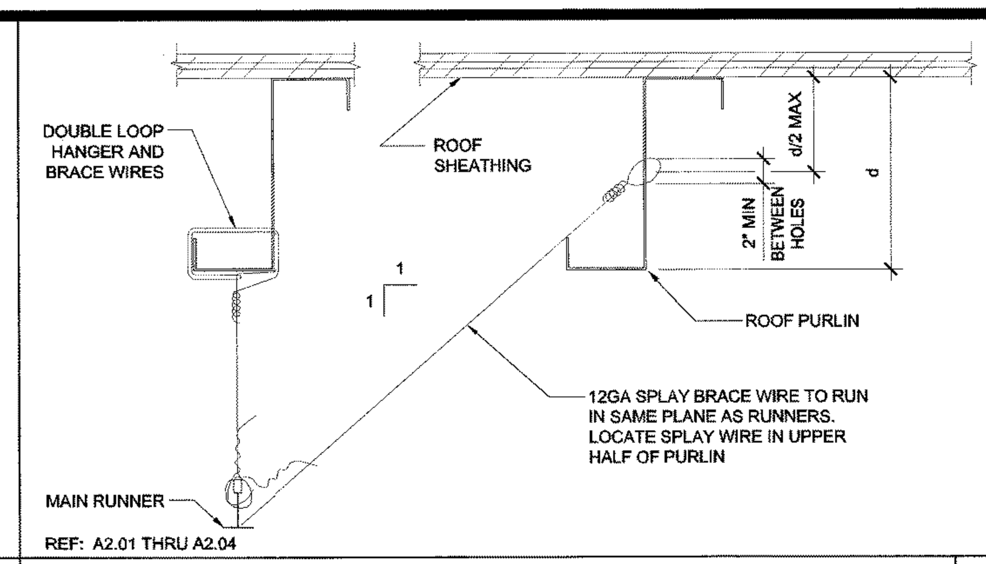
SHEET TITLE:
CEILING DETAILS T-GRID



TRAPEZE DETAIL 17

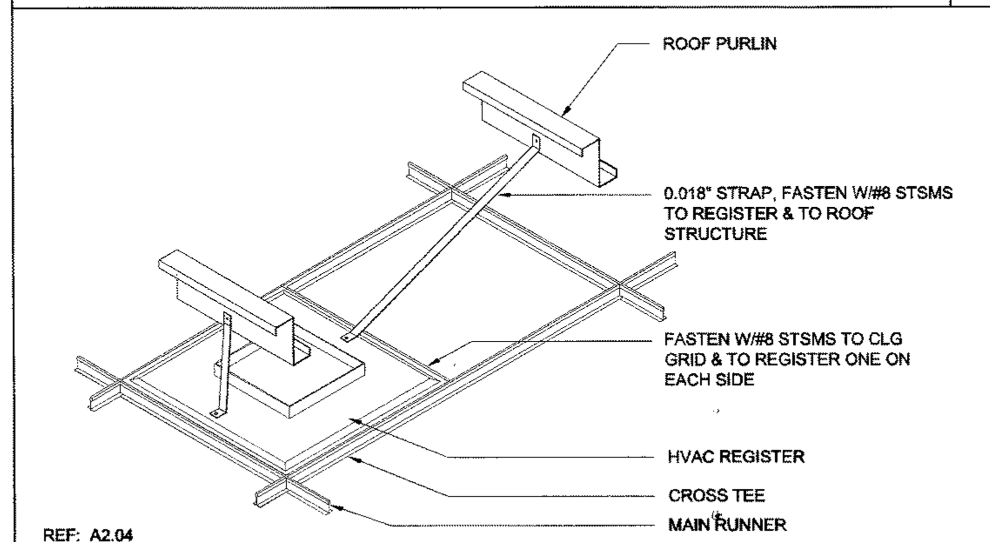


HANGER WIRE DETAIL SCALE : 3"=1'-0" 11

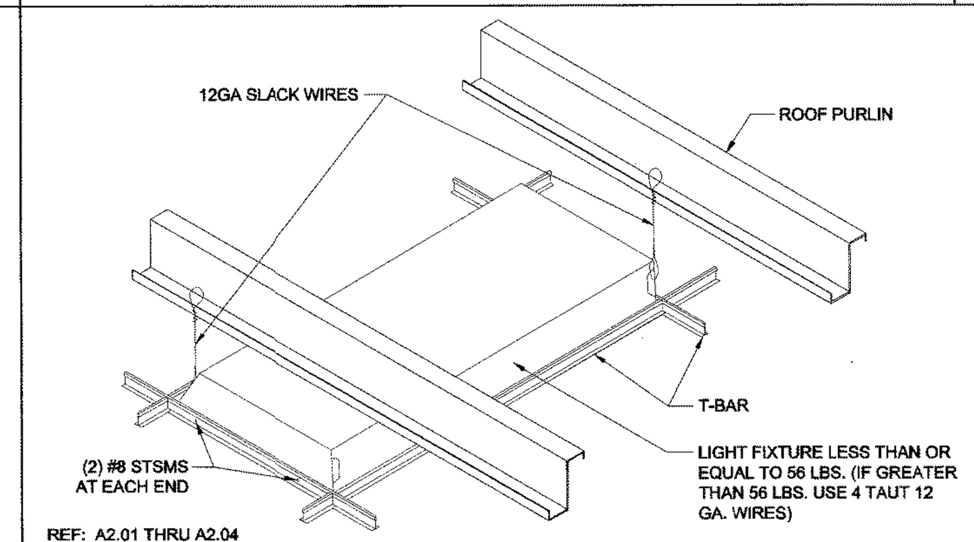


SPLAY BRACING WIRE SCALE : 3"=1'-0" 6

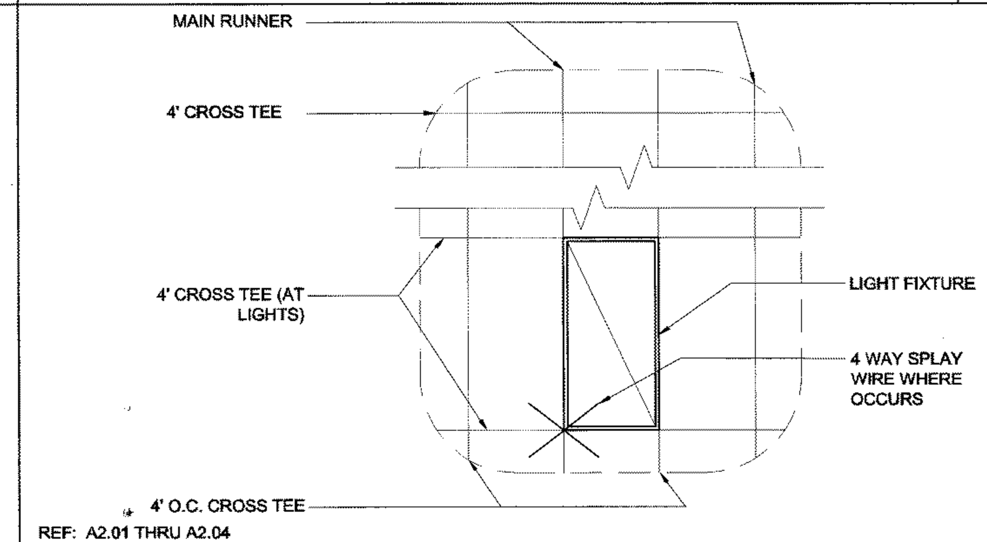
1



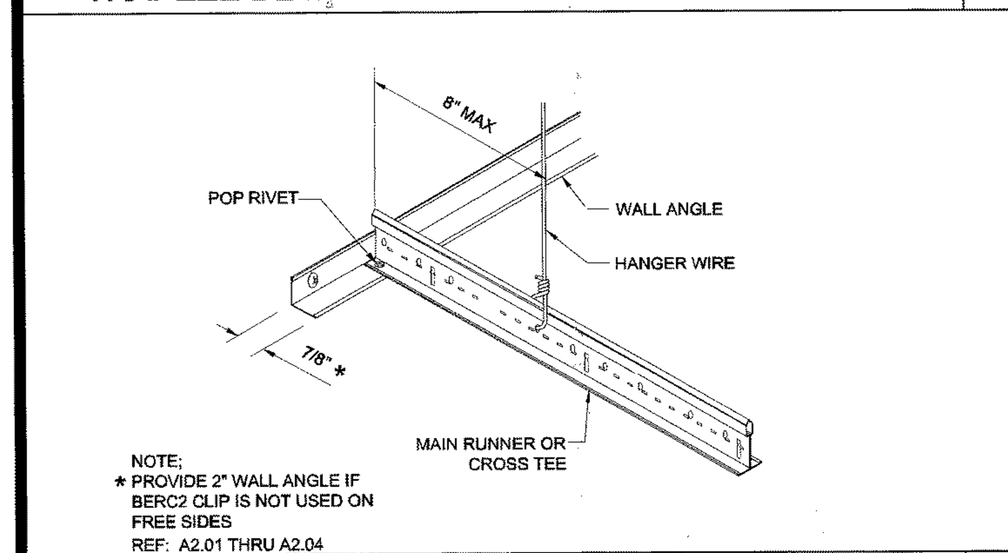
HVAC REGISTER MOUNTING SCALE : NTS 12



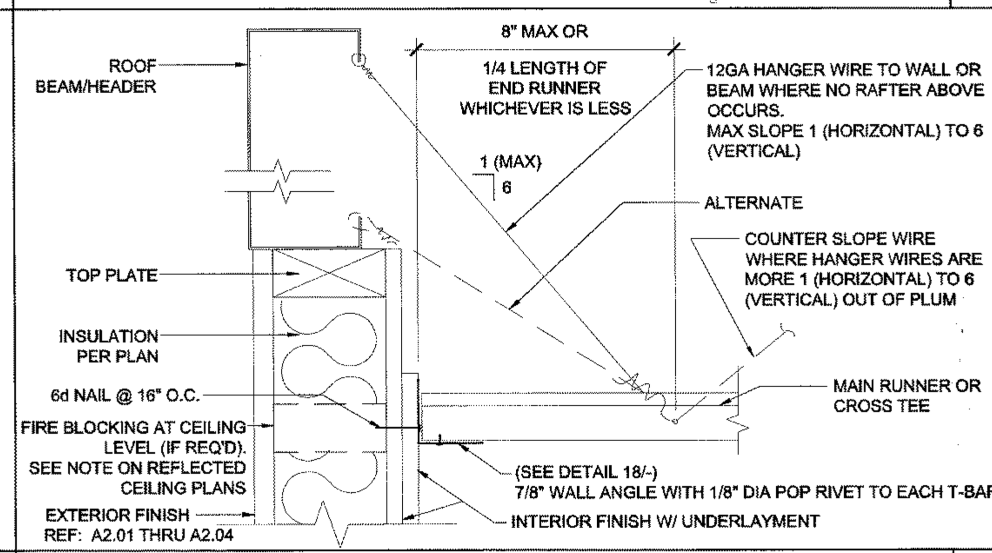
LIGHT FIXTURE MOUNTING SCALE : NTS 7



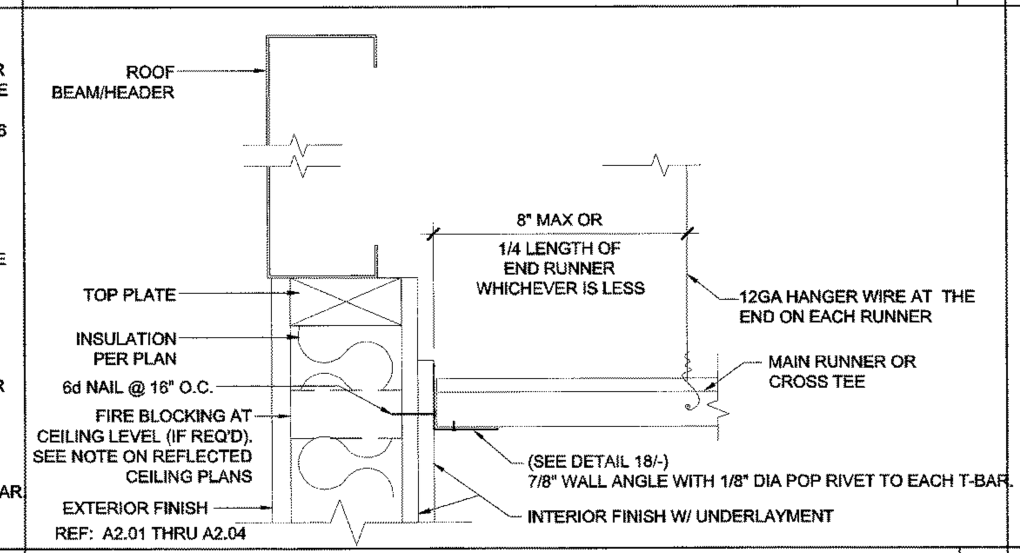
4' CROSS TEE AT LIGHTS SCALE : 3/8"=1'-0" 2



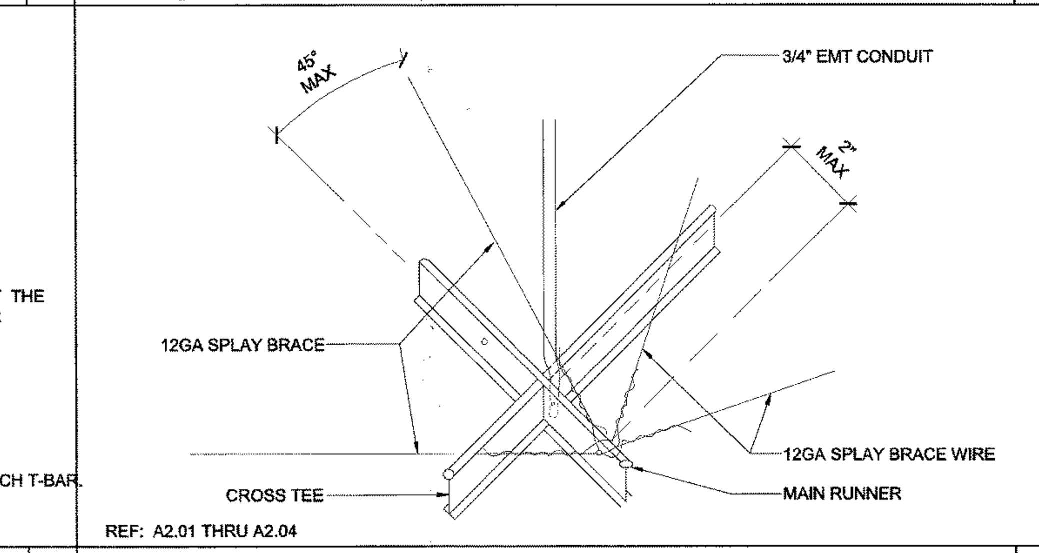
FIXED SIDE SCALE : NTS 18



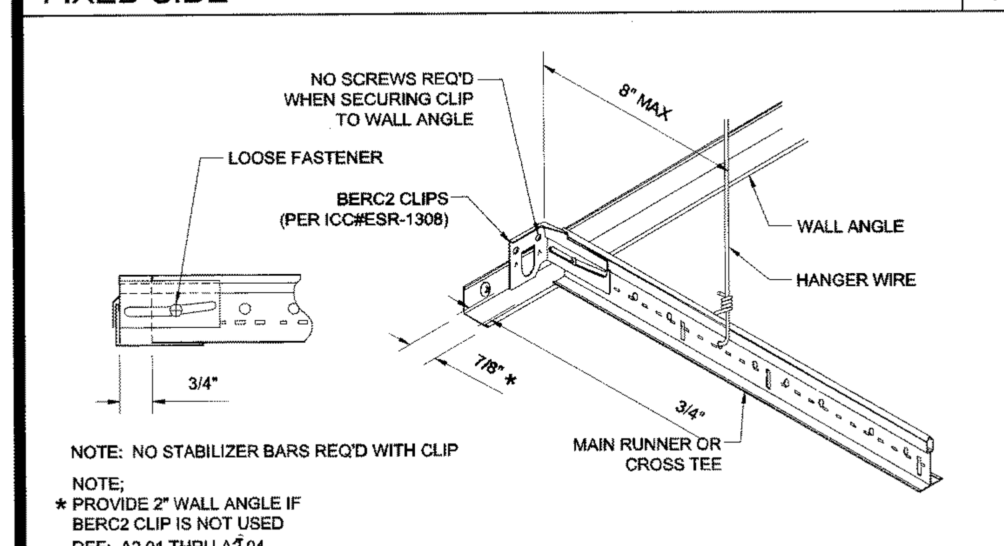
HANGER WIRE - FIXED SIDE (ENDWALL) SCALE : 3"=1'-0" 13



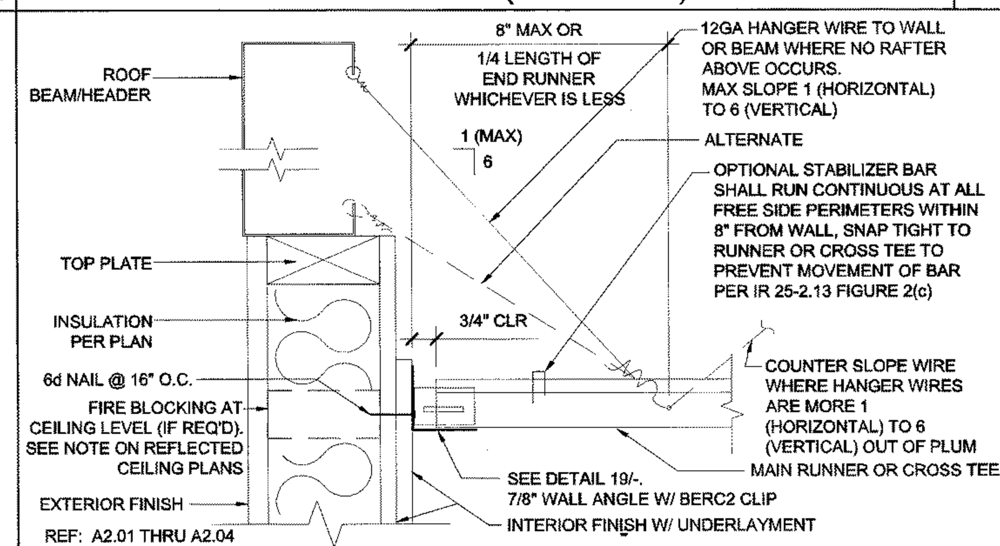
HANGER WIRE - FIXED SIDE (SIDEWALL) SCALE : 3"=1'-0" 8



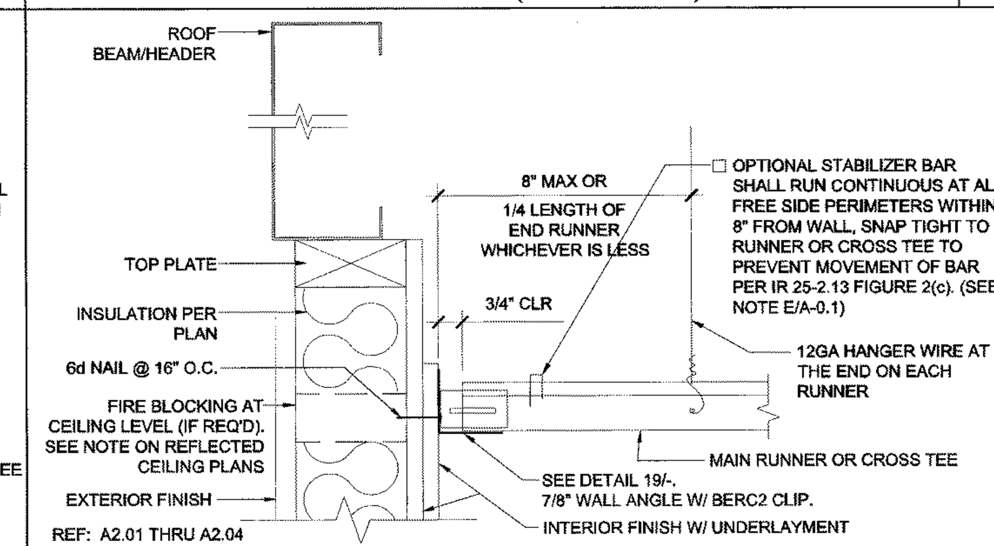
SEISMIC SPLAY - 4 WAY SCALE : NTS 3



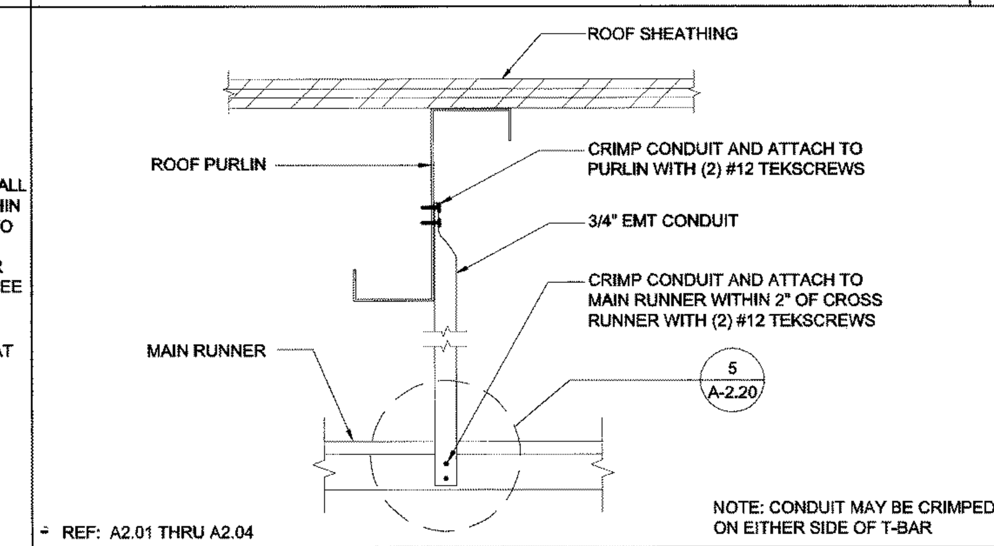
FREE SIDE SCALE : NTS 19



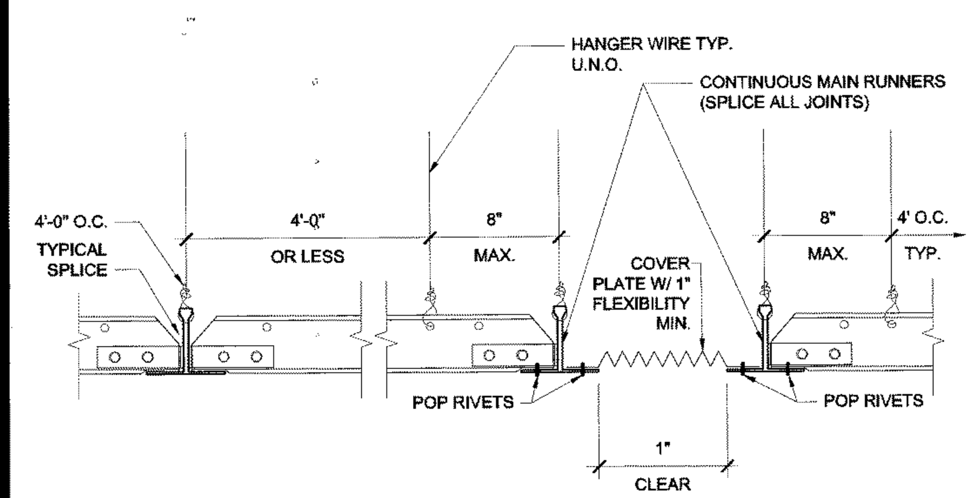
HANGER WIRE - FREE SIDE (ENDWALL) SCALE : 3"=1'-0" 14



HANGER WIRE - FREE SIDE (SIDEWALL) SCALE : 3"=1'-0" 9

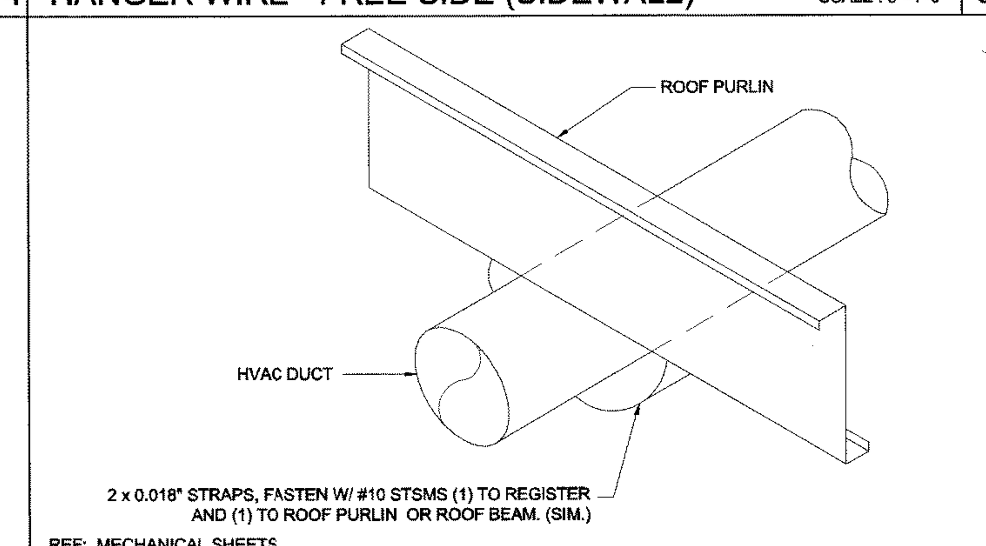


COMPRESSION STRUT SCALE : 3"=1'-0" 4

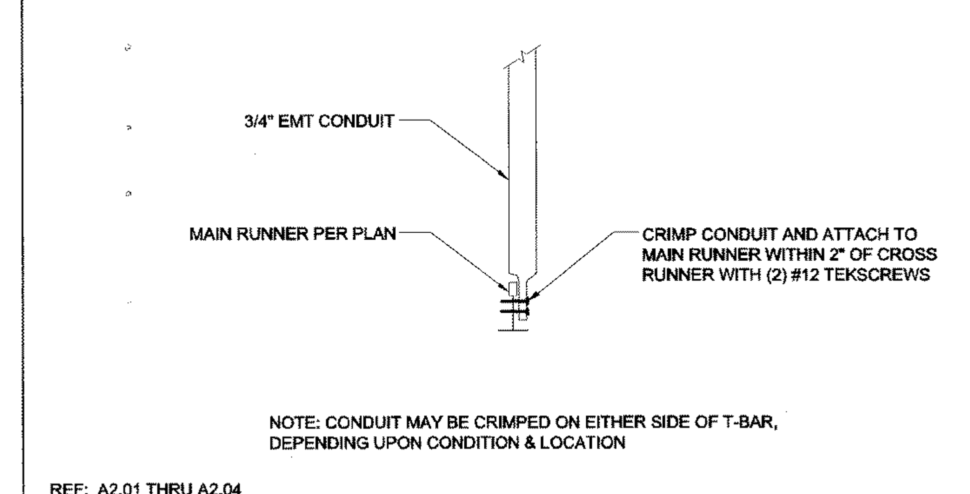


GRID SEISMIC SEPARATION JOINT SCALE : 3"=1'-0" 20

NOT USED 15



HVAC DUCTWORK MOUNTING SCALE: NTS 10



COMPRESSION STRUT SCALE : 3"=1'-0" 5

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS ✓ SS ✓
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT CODE 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 53-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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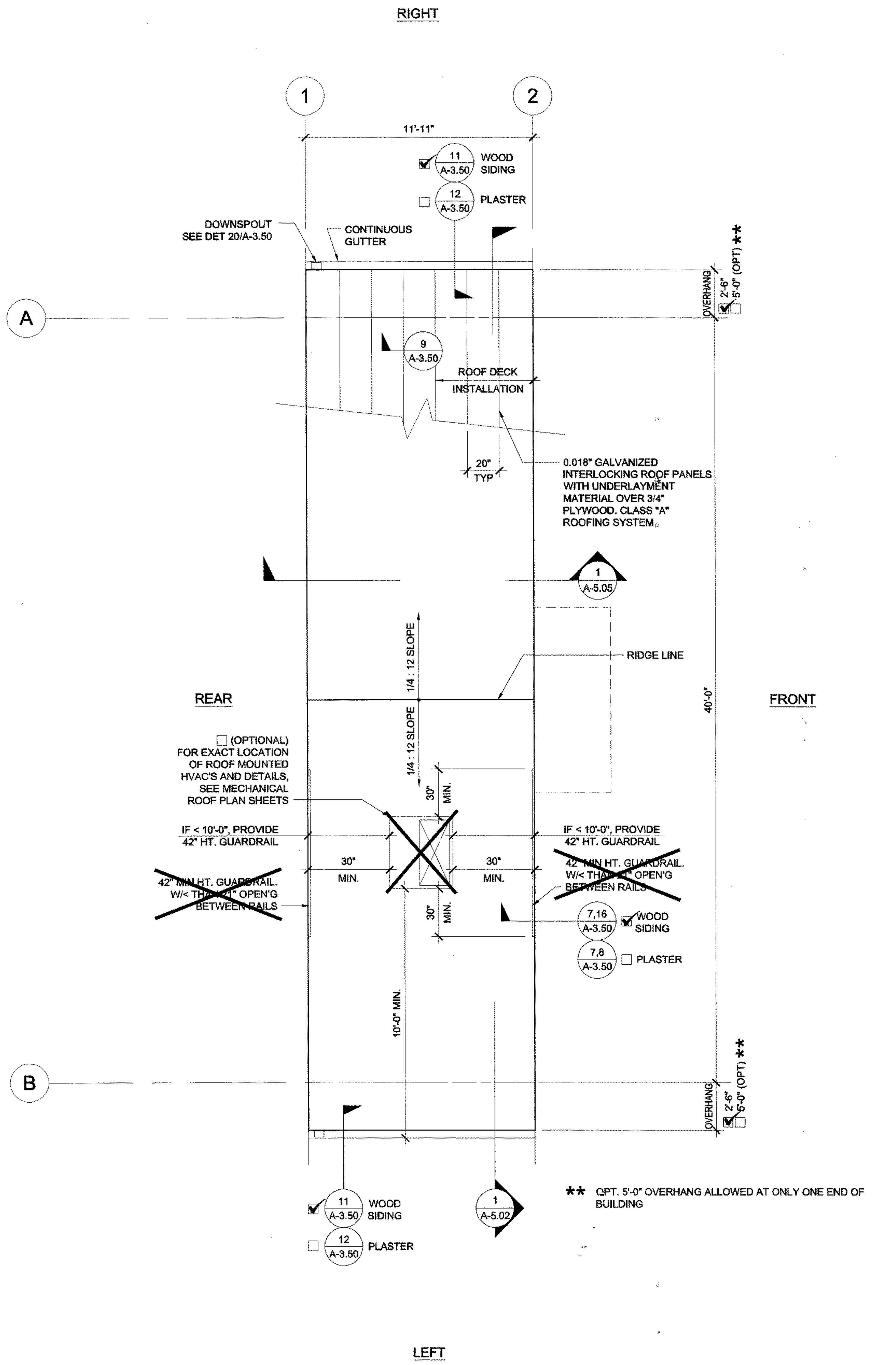
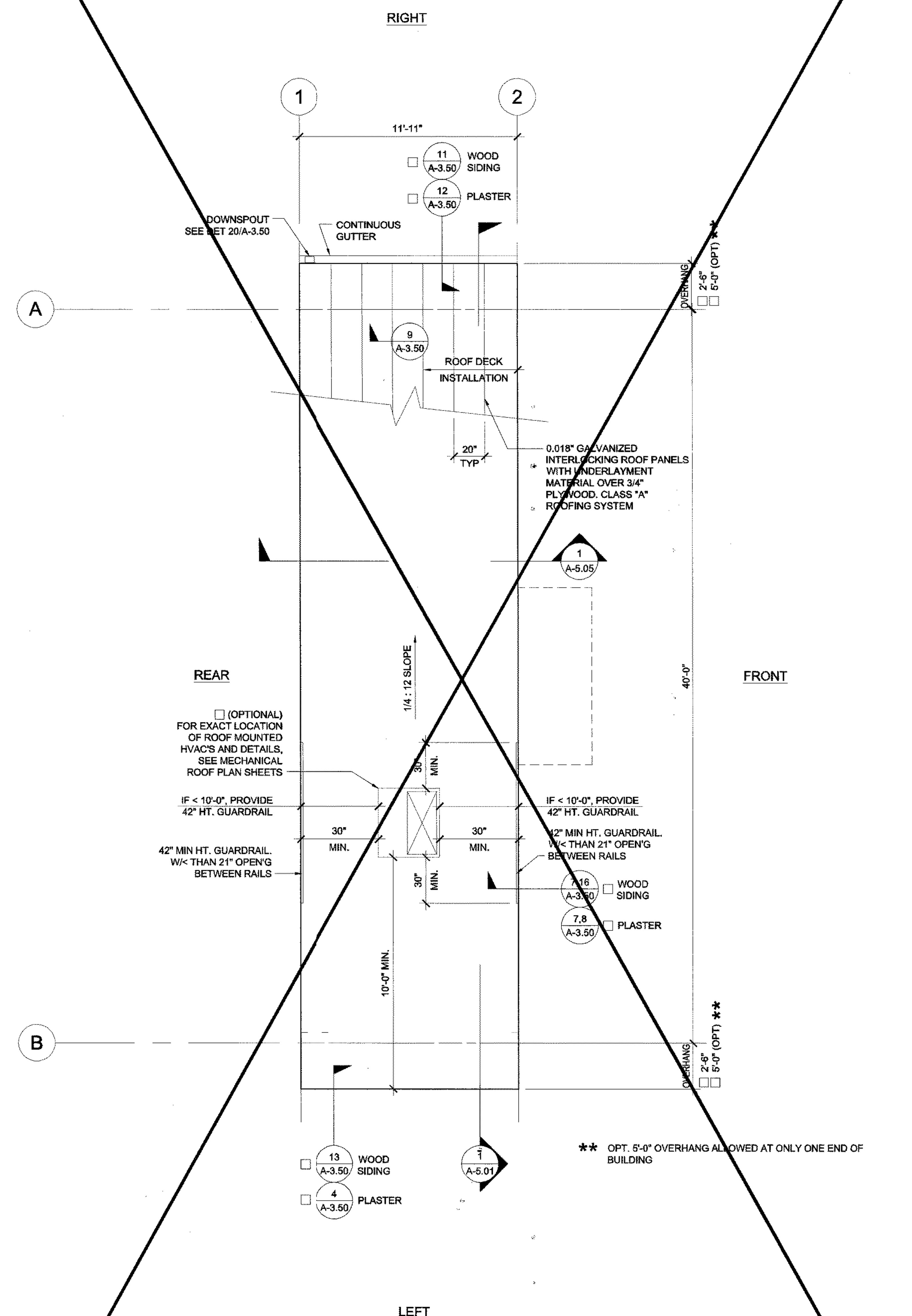
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
A-2.20



ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE — SCALE: 1/4" = 1'-0" — 2

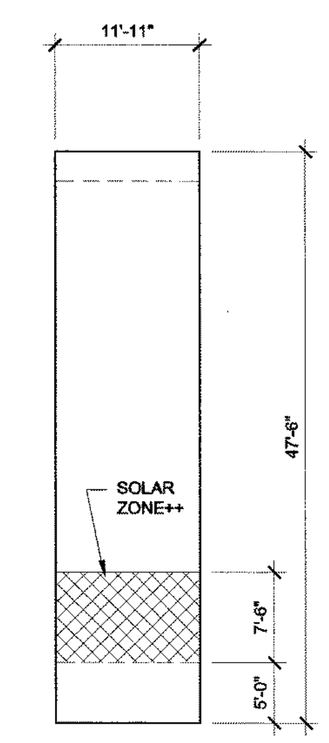


ROOF PLAN - 0.018" METAL DECK - MONO SLOPE — SCALE: 1/4" = 1'-0" — 1

NOTES

1. BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
2. LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
3. ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES. PER CBC 2016 SECTIONS 1015.6 & 1015.7. OR PROVIDE 42" MIN. PARAPET OR GUARDRAIL.

SOLAR ZONE



KEYPLAN

SOLAR ZONE CALCULATION TABLE		
BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
12'-0" x 40'-0"	86 SF	89 SF

++NOTE: ACTUAL SOLAR ZONE LOCATION AND SIZE MAY VARY. MINIMUM ZONE AREA SHALL BE PER THE TABLE ABOVE.

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PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
ROOF PLAN
12'x40' - 0.018" METAL DECK
MONO OR DUAL SLOPE

STOCKPILE PROFESSIONAL
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS FLS SS
DATE DEC 13 2018

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PRE-CHECK (PC) DOCUMENT CODE: 2016 CBC
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FILE NUMBER: 33-SILVER
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04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS
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SILVER CREEK INDUSTRIES
12' x 40' PC

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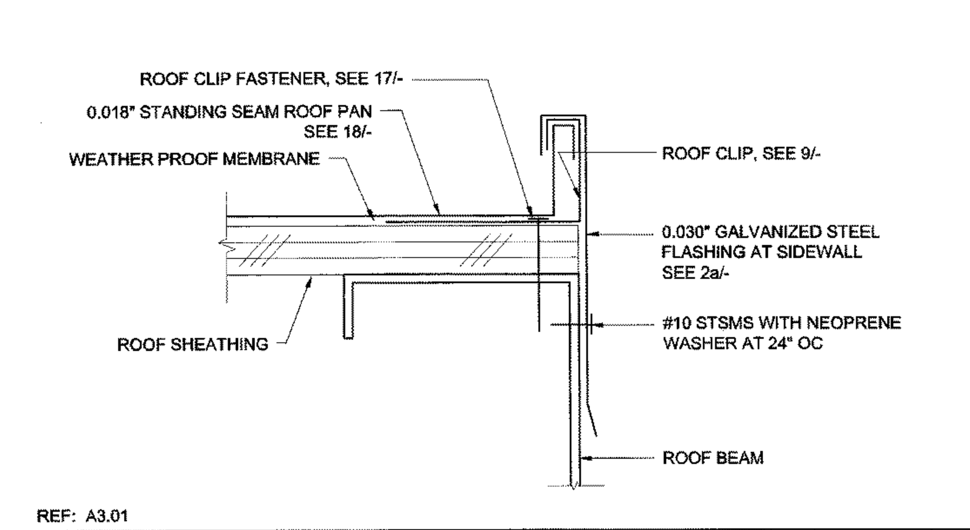
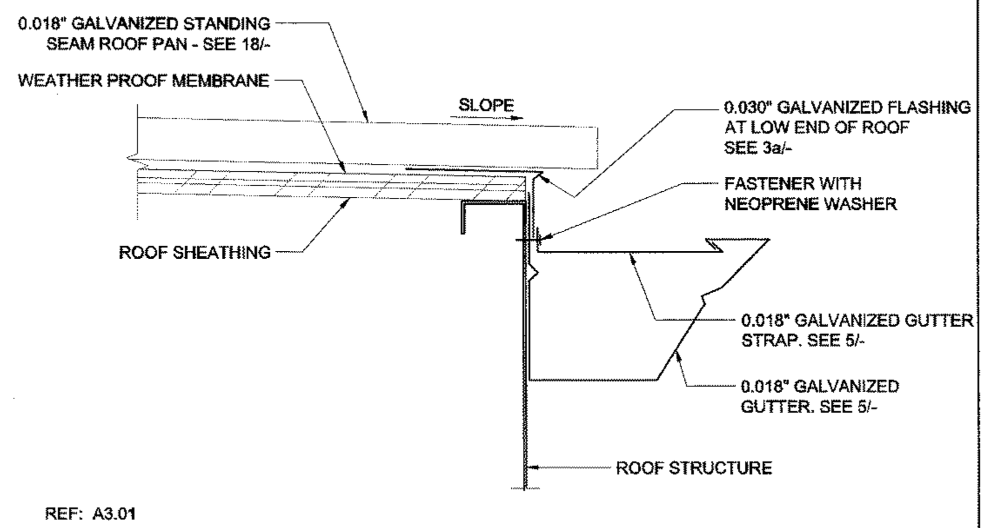
DATE:	10-12-2017

P.C. SHEET NUMBER
A-3.01



ROOF FLASHING AT SIDEWALL — SCALE : 6"=1'-0" — 16

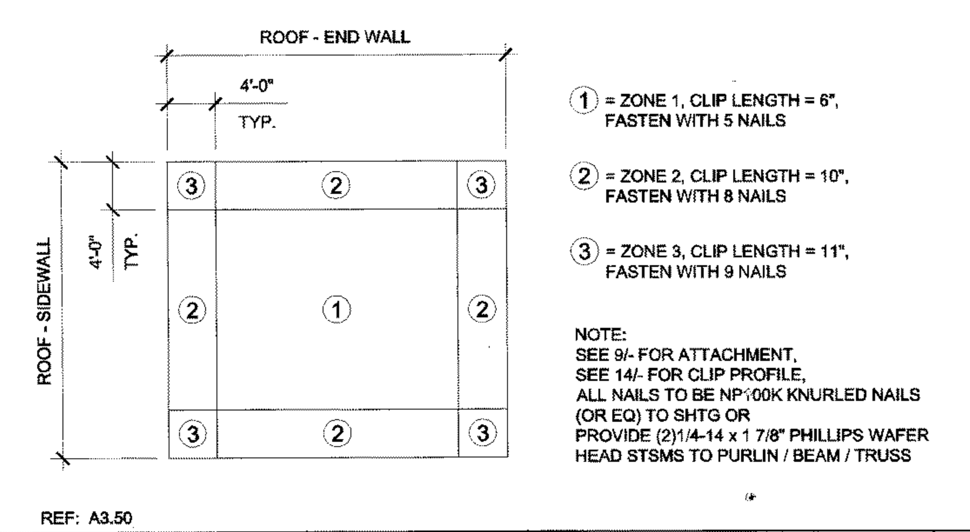


GUTTER AT ROOF FASCIA BEAM — SCALE : 3"=1'-0" — 11

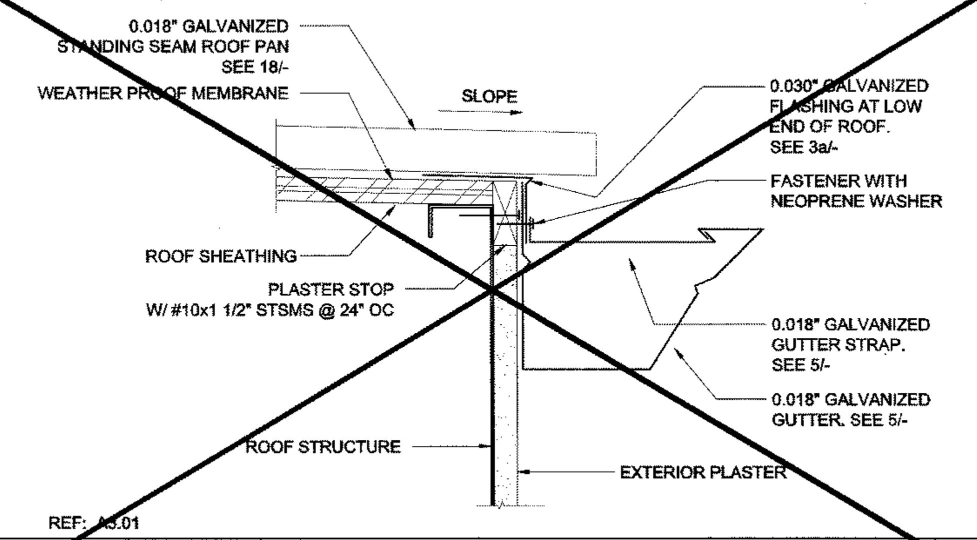
NOT USED — 6

NOT USED — 1a

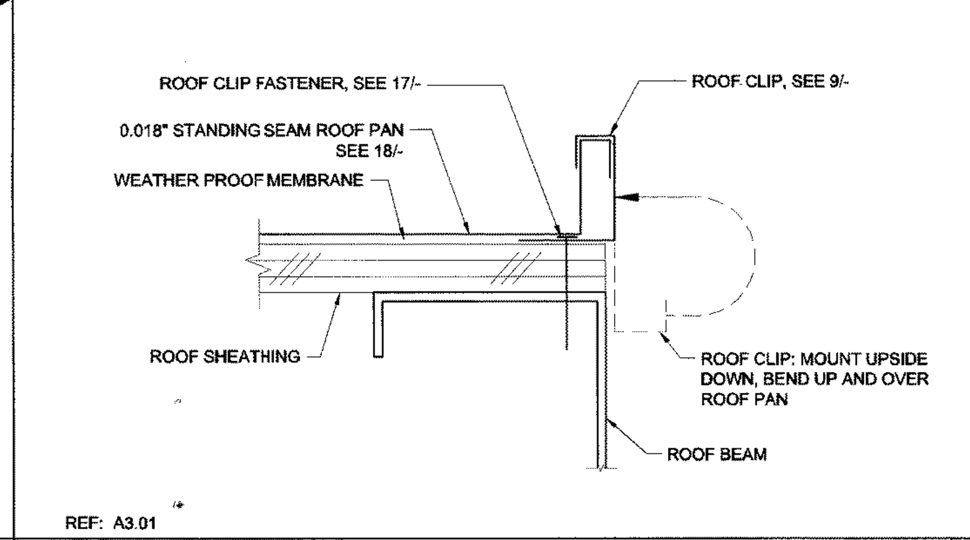
NOT USED — 1b



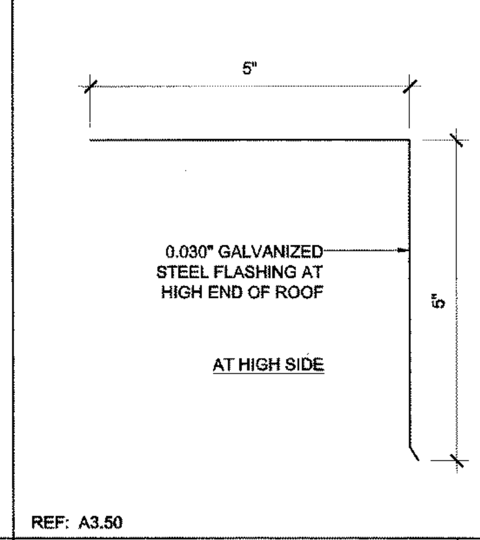
ROOF CLIP ZONES — NTS — 17



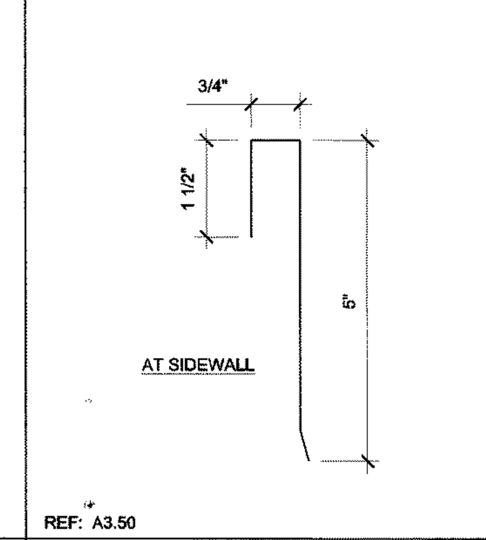
GUTTER AT ROOF FASCIA BEAM — SCALE : 3"=1'-0" — 12



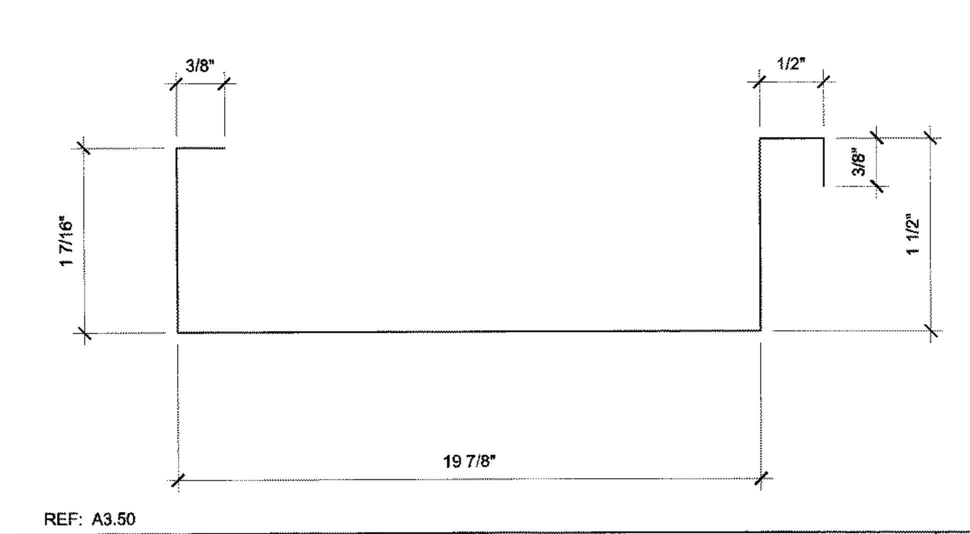
STARTER ROOF PAN CONNECTION — SCALE : 6"=1'-0" — 7



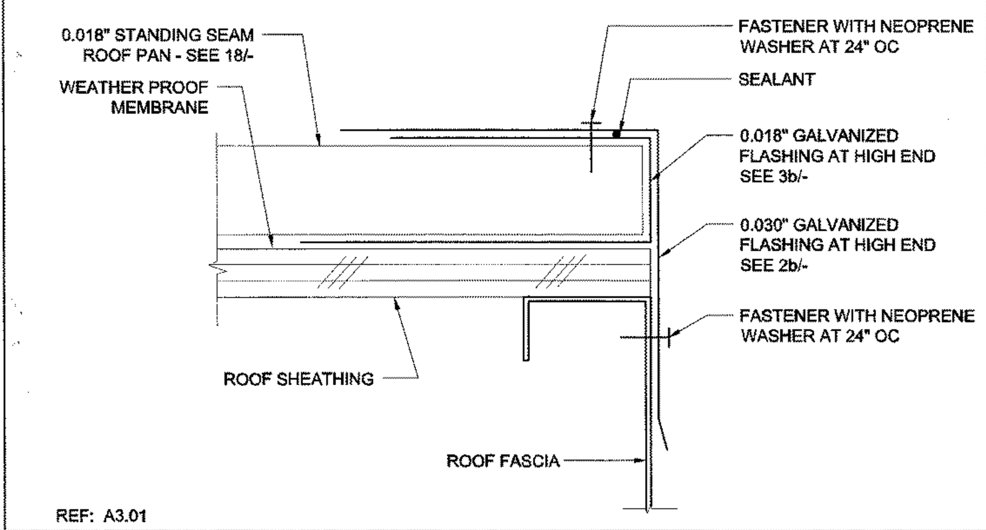
ROOF FLASHING — SCALE : 6"=1'-0" — 2b



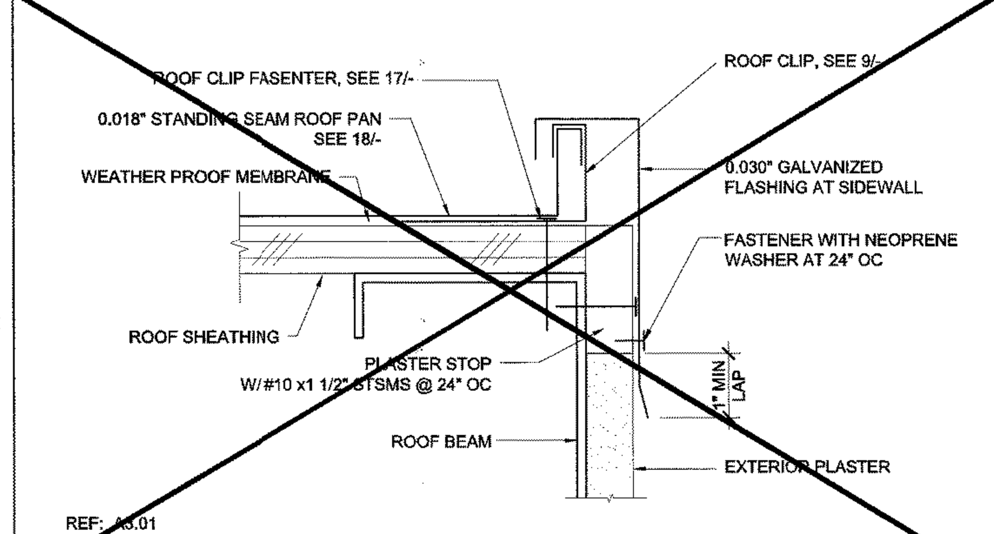
ROOF FLASHING — SCALE : 6"=1'-0" — 2a



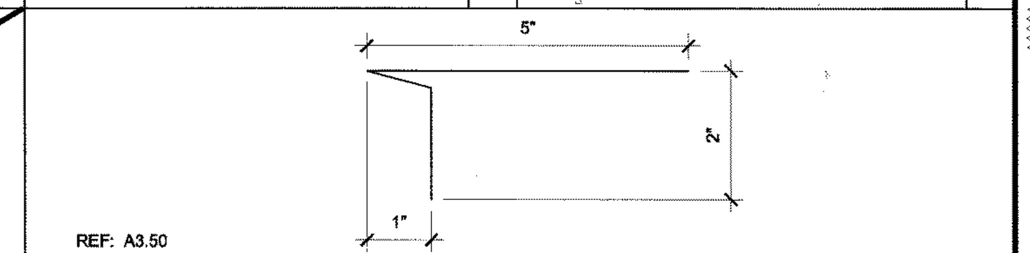
ROOF DECK PROFILE — SCALE : 6"=1'-0" — 18



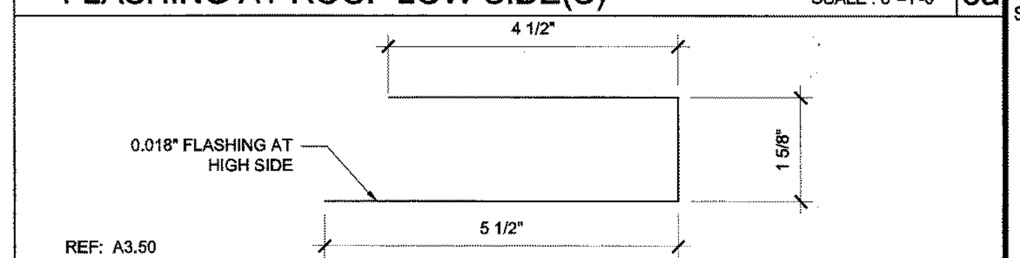
ROOF FLASHING AT HIGH SIDE — SCALE : 6"=1'-0" — 13



ROOF FLASHING AT SIDEWALL — SCALE : 6"=1'-0" — 8

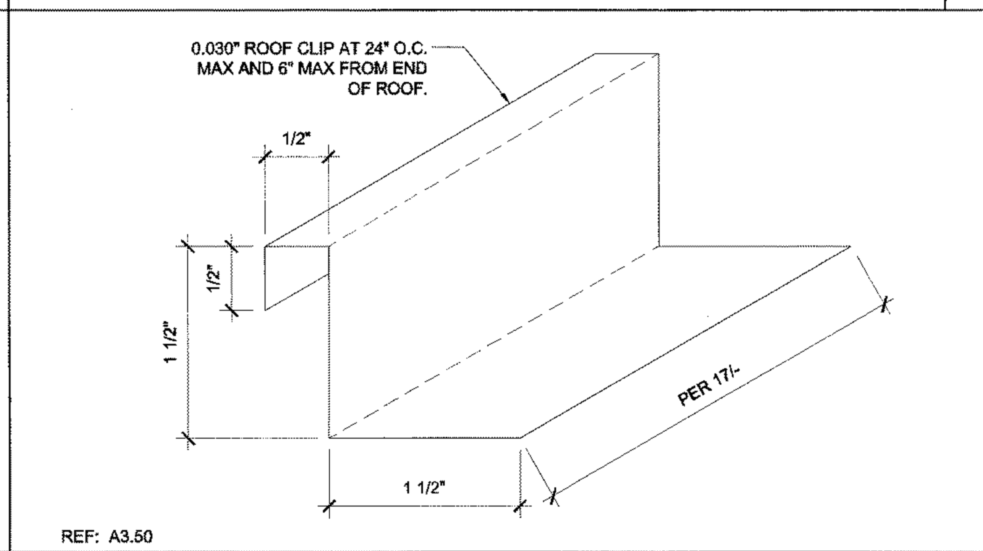


FLASHING AT ROOF LOW SIDE(S) — SCALE : 6"=1'-0" — 3a

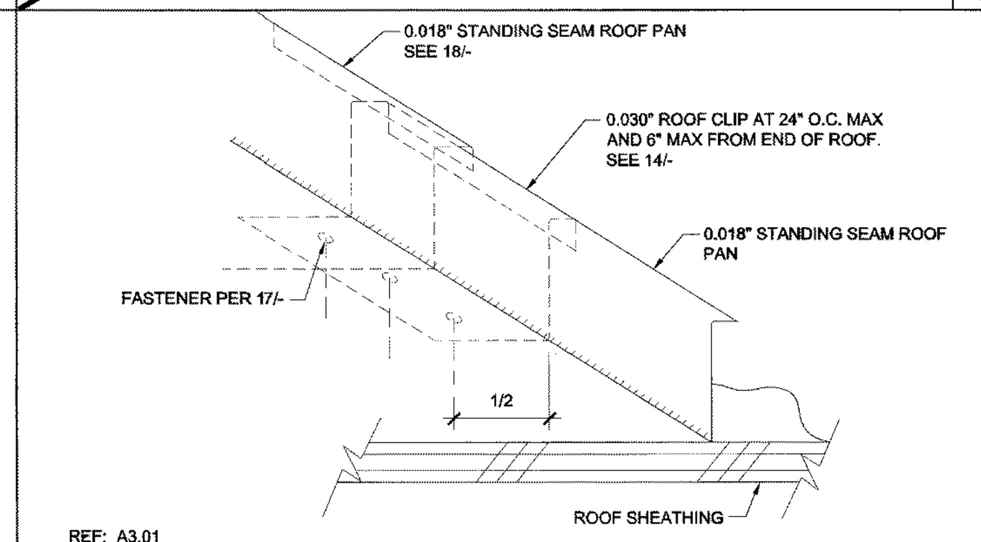


FLASHING AT ROOF HIGH SIDE — SCALE : 6"=1'-0" — 3b

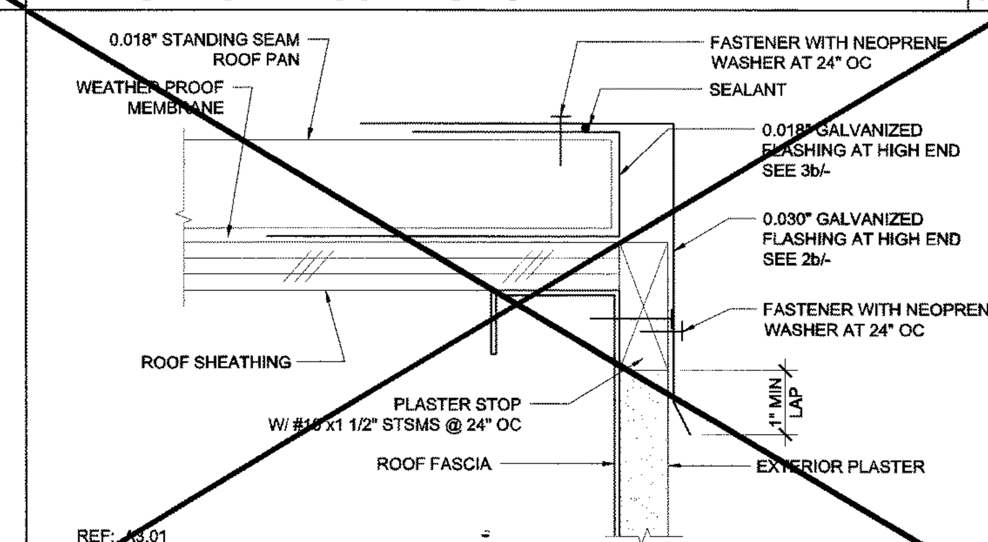
NOT USED — 19



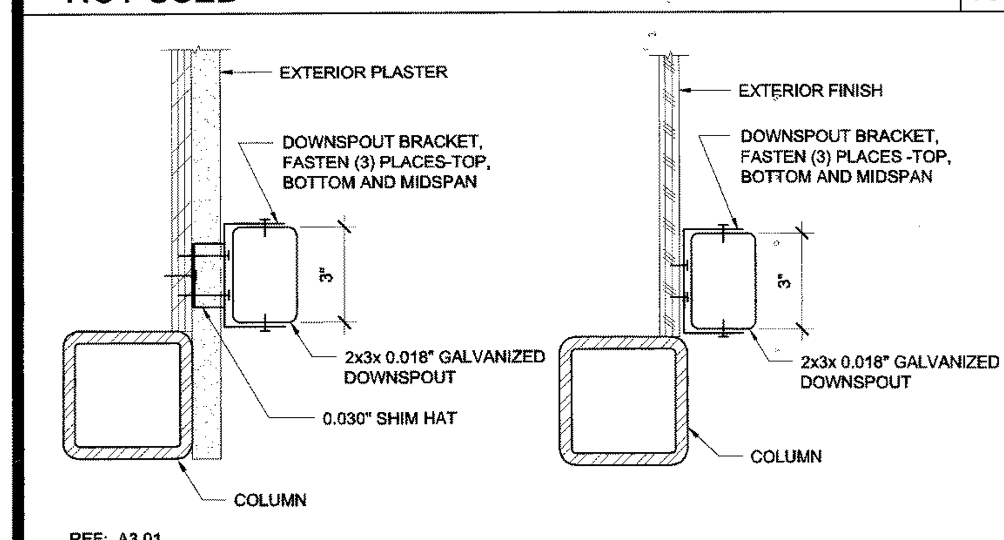
ROOF CLIP — SCALE : 1'-0"=1'-0" — 14



ROOF STANDING SEAM — SCALE : NTS — 9



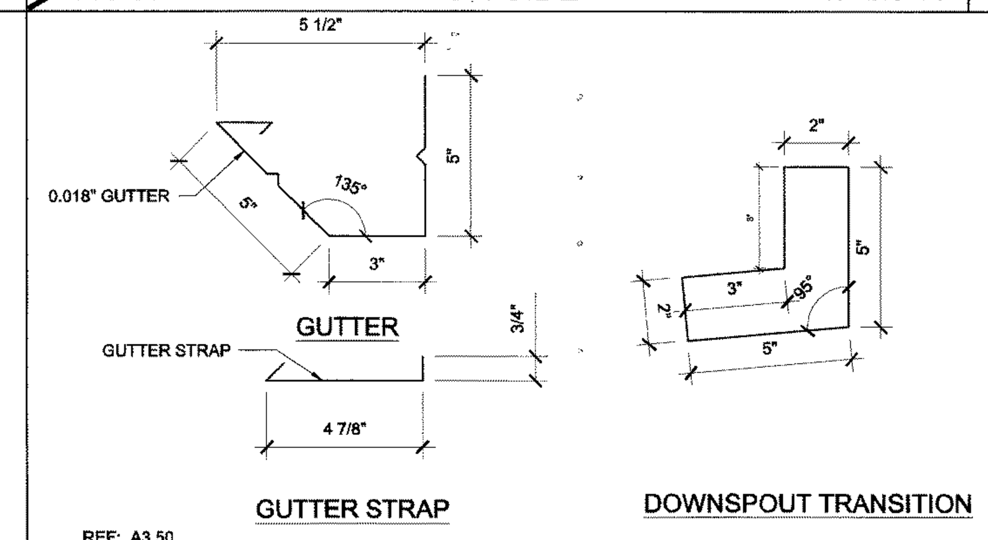
ROOF FLASHING AT HIGH SIDE — SCALE : 6"=1'-0" — 4



DOWNSPOUT ATTACHMENT — SCALE : 3"=1'-0" — 20

NOT USED — 15

NOT USED — 10



0.018" GUTTER AND STRAP & DOWNSPOUT — SCALE : 3"=1'-0" — 5

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PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
ROOF DETAILS
0.018" STANDING SEAM ROOF DECK

STOCKPILE PROFESSIONAL
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
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SS ☑ FLS ☑ ACS ☑
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REVISIONS

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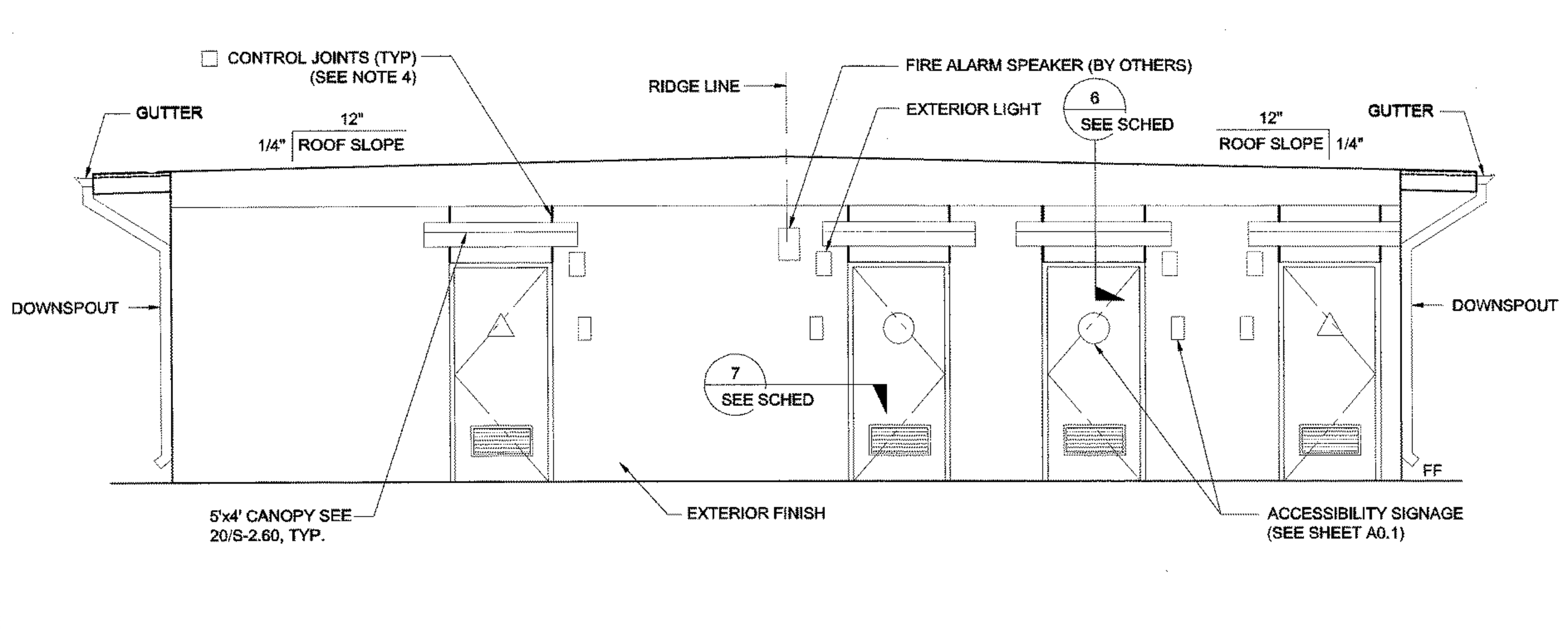
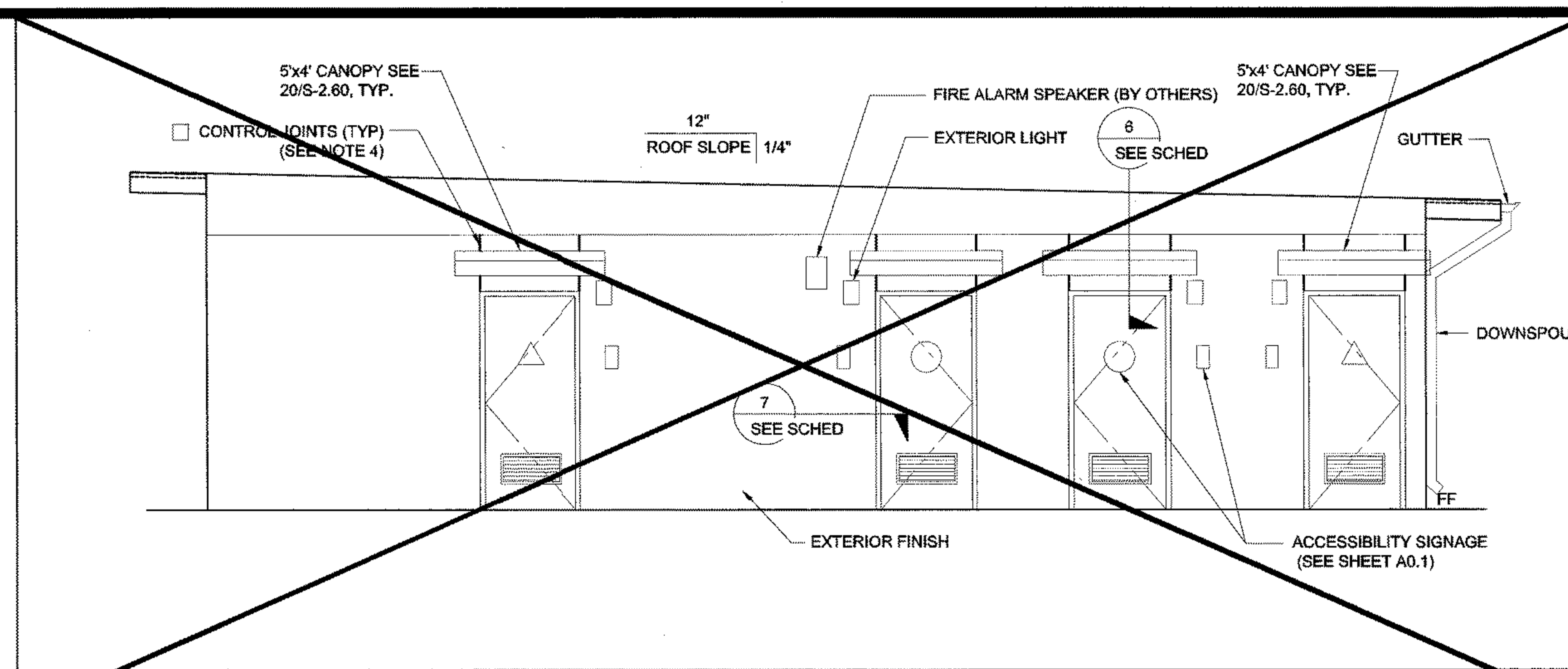
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

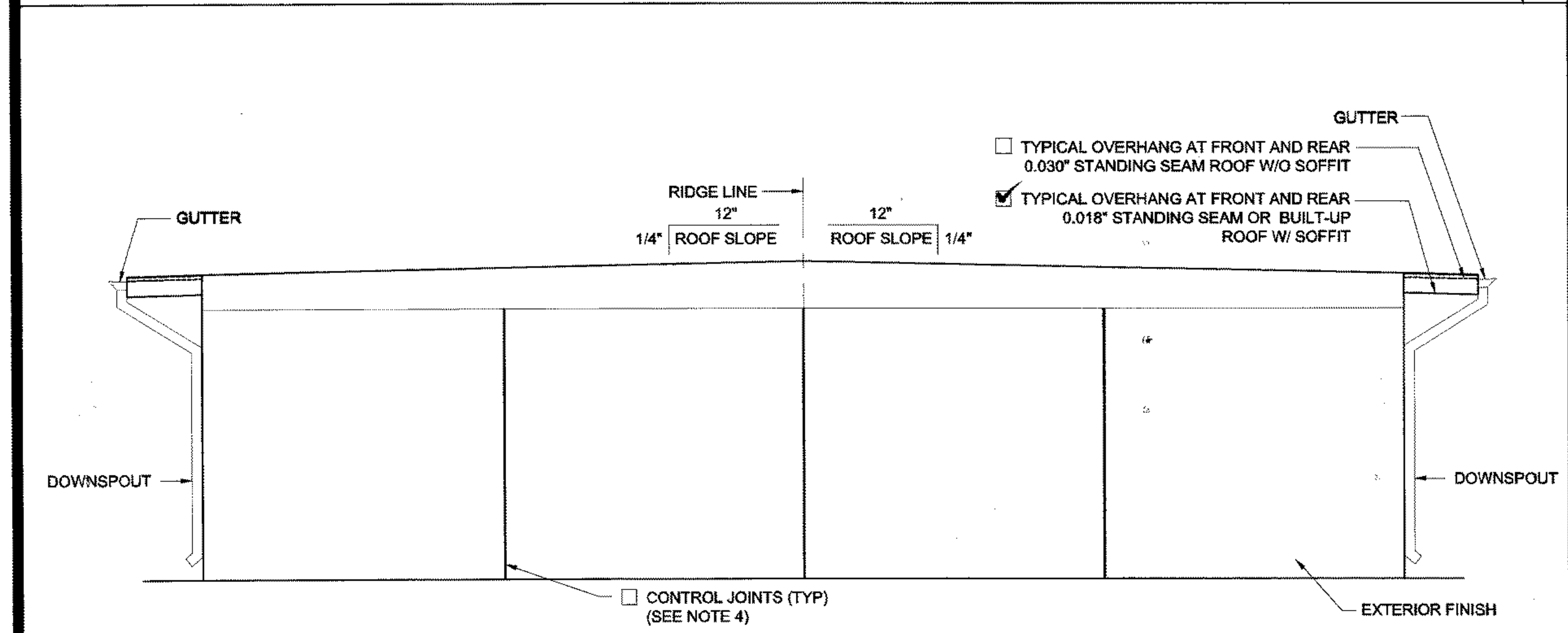
P.C. SHEET NUMBER
A-3.50



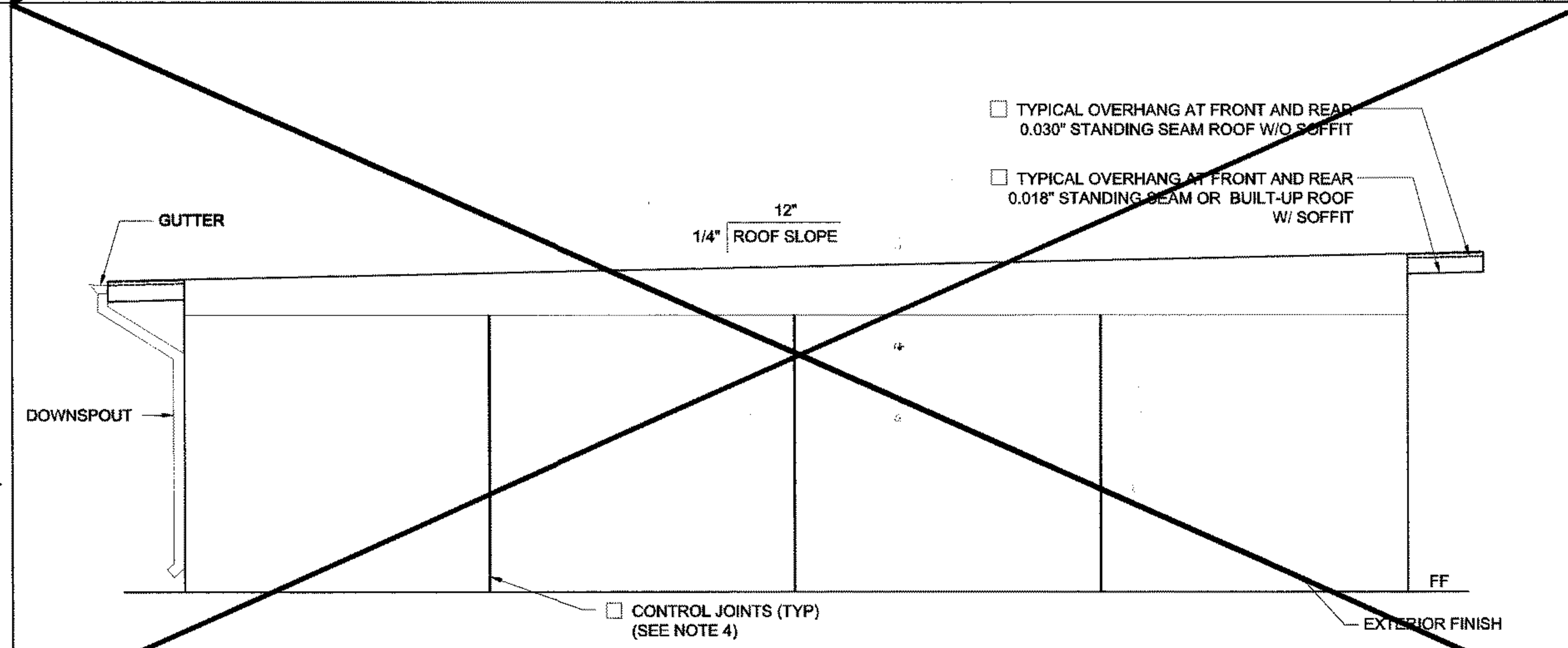
EXTERIOR ELEVATIONS - FRONT (MODEL C-2) - DUAL SLOPE — SCALE: 1/4" = 1'-0" — 5



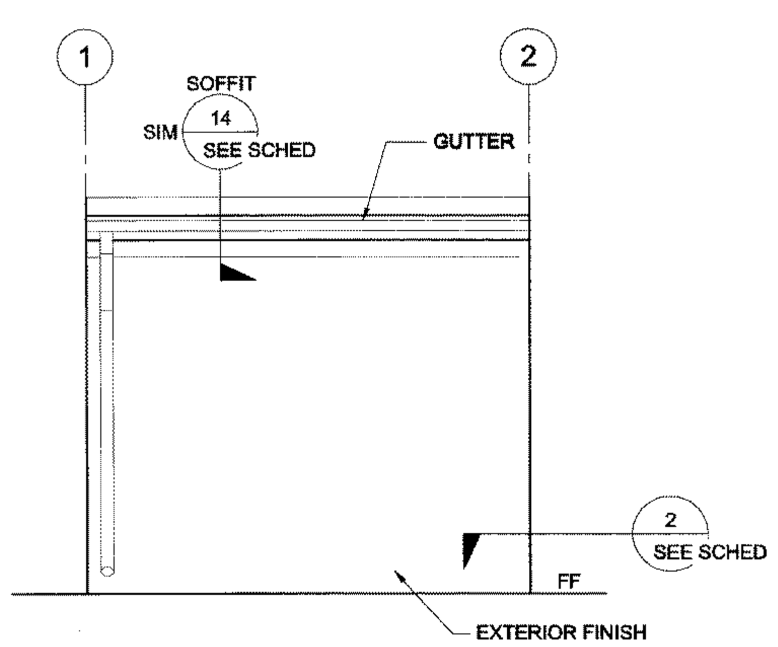
EXTERIOR ELEVATIONS - FRONT (MODEL C-2) - MONO SLOPE — SCALE: 1/4" = 1'-0" — 1



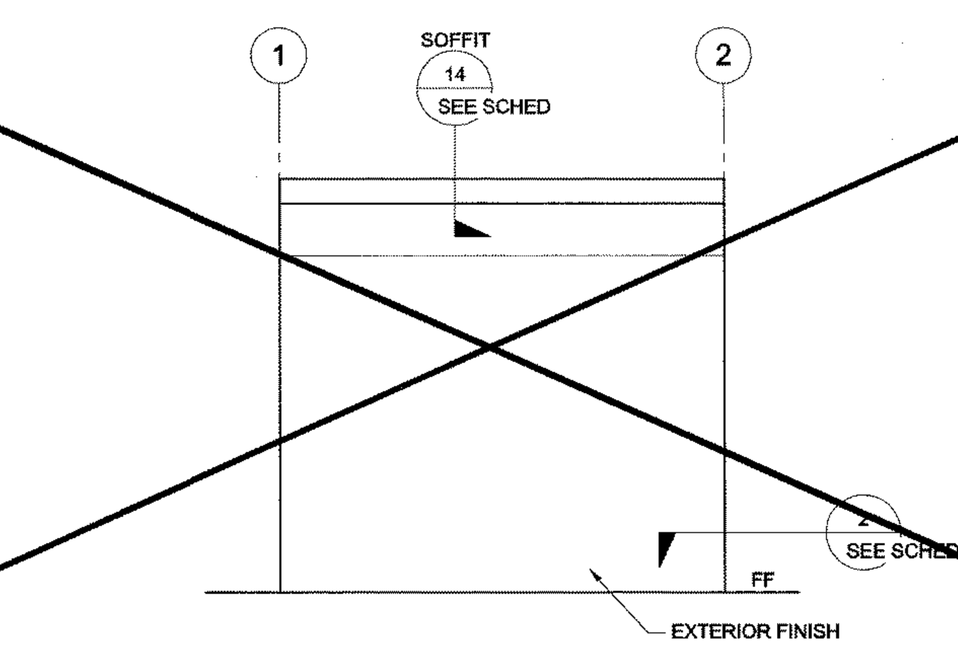
EXTERIOR ELEVATIONS - REAR (MODEL C-2) - DUAL SLOPE — SCALE: 1/4" = 1'-0" — 6



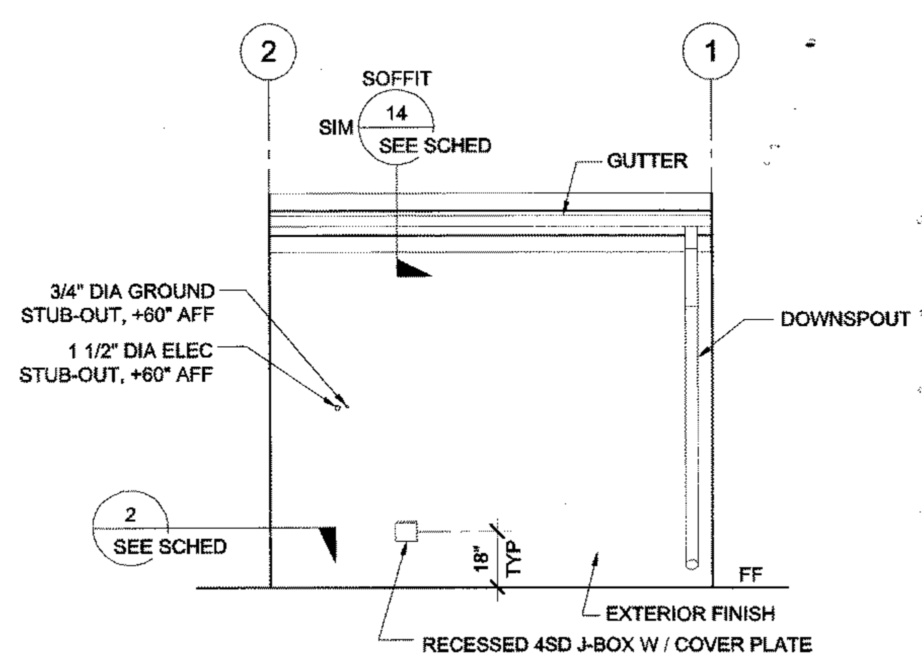
EXTERIOR ELEVATIONS - REAR (MODEL C-2) - MONO SLOPE — SCALE: 1/4" = 1'-0" — 2



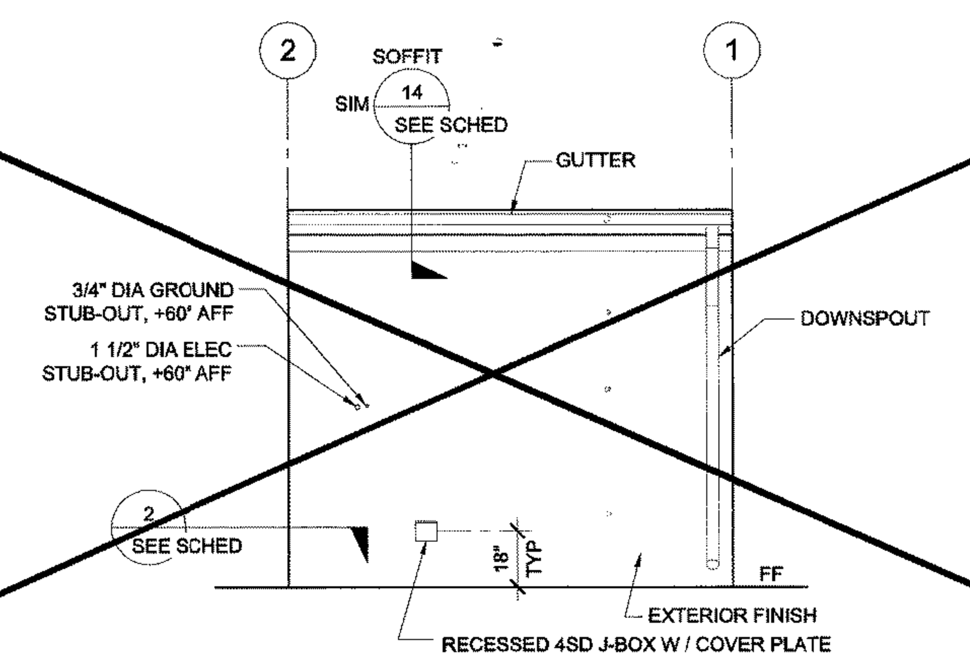
EXTERIOR ELEVATIONS - LEFT (MODEL C-2) - DUAL SLOPE — SCALE: 1/4" = 1'-0" — 7



EXTERIOR ELEVATIONS - LEFT (MODEL C-2) - MONO SLOPE — SCALE: 1/4" = 1'-0" — 3



EXTERIOR ELEVATIONS - RIGHT (MODEL C-2) - DUAL SLOPE — SCALE: 1/4" = 1'-0" — 8



EXTERIOR ELEVATIONS - RIGHT (MODEL C-2) - MONO SLOPE — SCALE: 1/4" = 1'-0" — 4

NOTES (EXTERIOR ELEVATION)

1. PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.81 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAILING CONNECTIONS - SMOOTH SURFACE TO EXTEND 18" ABOVE HANDRAIL)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODLINE, ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
5. EXTERIOR PROJECTIONS SHALL COMPLY W/ SECTION 705 AND 1406, 2016 CBC
6. PROVIDE AN OFFSET RAMP (PER SHEET R-1.02) WHEN A RAMP IS REQUIRED ADJACENT TO A STUCCO WALL

DETAIL SCHEDULE

FINISH:	SHEET #:
☑ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
EXTERIOR ELEVATION
12' X 40' - MODEL C-2
MONO / DUAL SLOPE

REGISTERED PROFESSIONAL ENGINEER — JOHN W STARLING — 2475 — STRUCTURAL — STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER — JOHN W STARLING — 2475 — STRUCTURAL — STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS FLS SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS
1
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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
A-4.06

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

DETAIL SCHEDULE

FINISH:	SHEET #:
☑ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

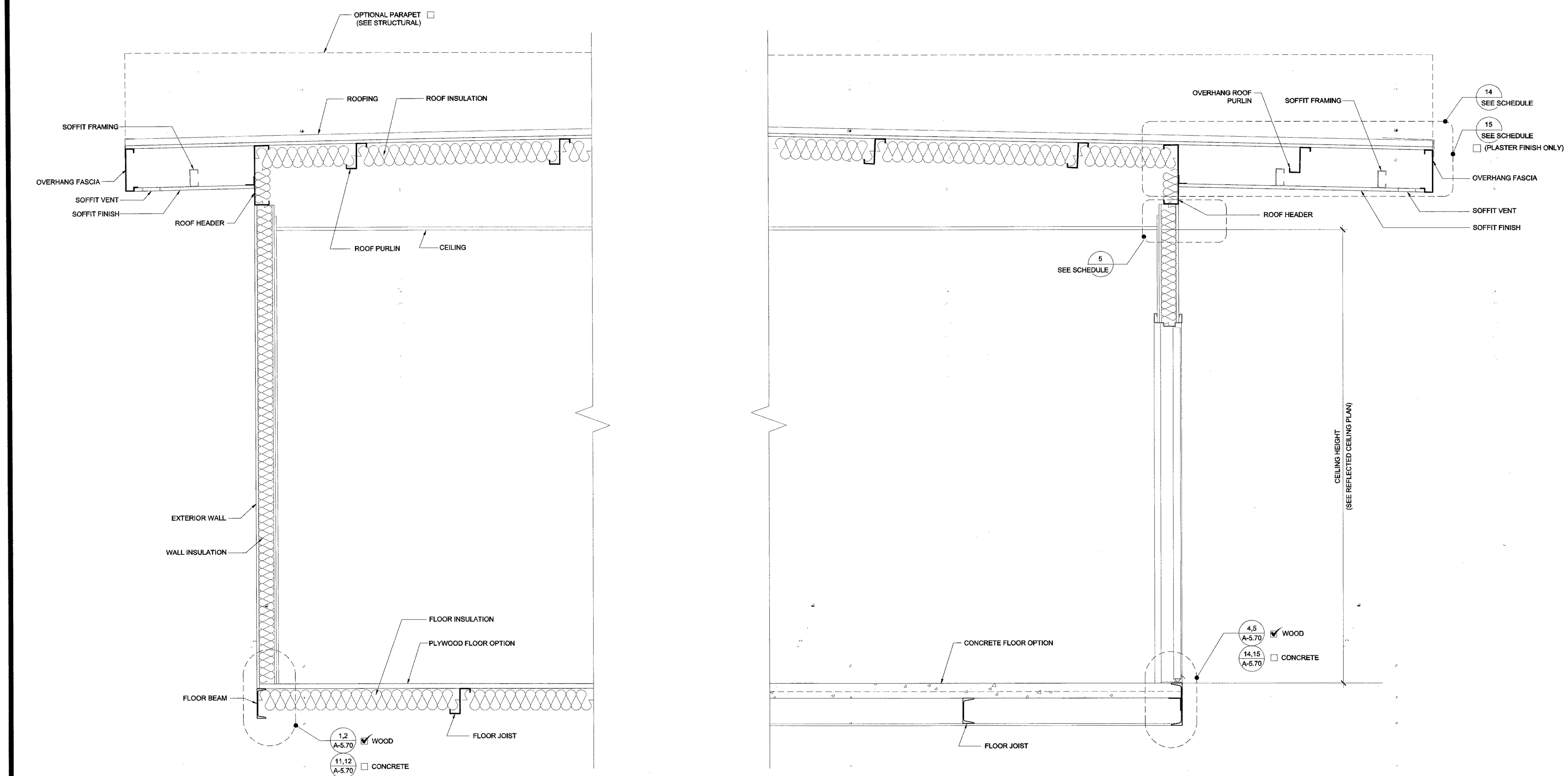
FINISH:	SHEET #:
☐ 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
☐ 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
☐ 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

FLOOR OPTION

☑ WOOD FLOOR
☐ CONCRETE FLOOR

NOTES

MOISTURE PROTECTION AND CAULKING:
GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING.
MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS, SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD.
COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.



BUILDING SECTION

SCALE: 1" = 1' - 0" | 1

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

CROSS SECTION
DUAL SLOPE
.018 OR TPO ROOF

STOCKPILE PROFESSIONAL

12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
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FILE NUMBER: 33-SILVER
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04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

A-5.02

DETAIL SCHEDULE

FINISH:	SHEET #:
☑ SIDING OVER WOOD STUDS	A-5.50
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
☐ SIDING OVER STEEL STUDS	A-5.60
☐ PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

~~FIRE RATED DETAIL SCHEDULE~~

FINISH:	SHEET #:
☐ ~~1 HOUR - SIDING OVER WOOD STUDS~~	~~A-5.52~~
☐ ~~1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS~~	~~A-5.53~~
☐ ~~1 HOUR - SIDING OVER STEEL STUDS~~	~~A-5.62~~
☐ ~~1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS~~	~~A-5.63~~

FLOOR OPTION

☑ WOOD FLOOR
☐ CONCRETE FLOOR

NOTES

MOISTURE PROTECTION AND CAULKING:
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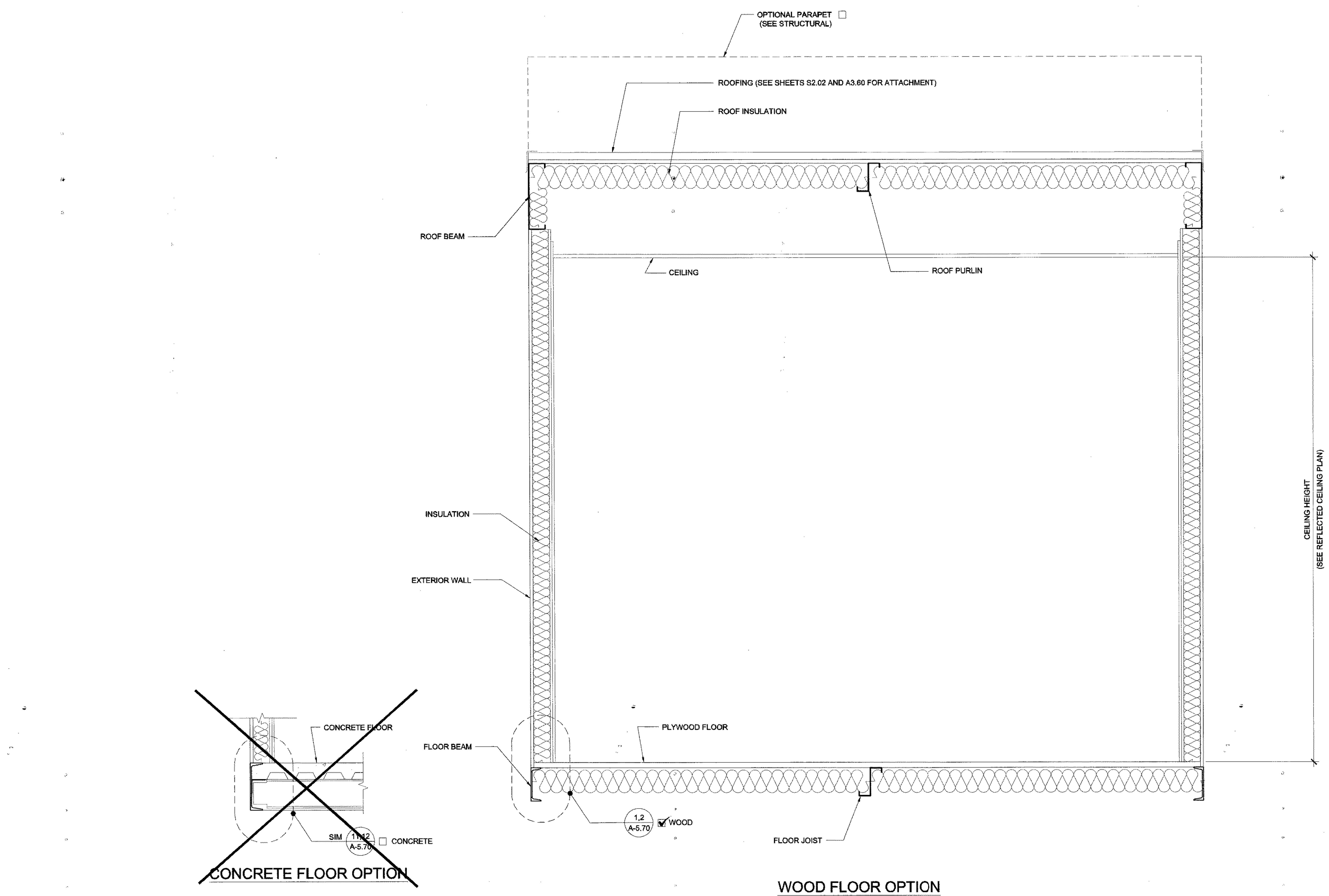
COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.



BUILDING SECTION

SCALE: 1" = 1' - 0" 1

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

CROSS SECTION

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLIN
2475
STRUCTURAL
STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLIN
STRUCTURAL
STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

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AC RM FLS DS SSR KER
DATE 08/22/2018

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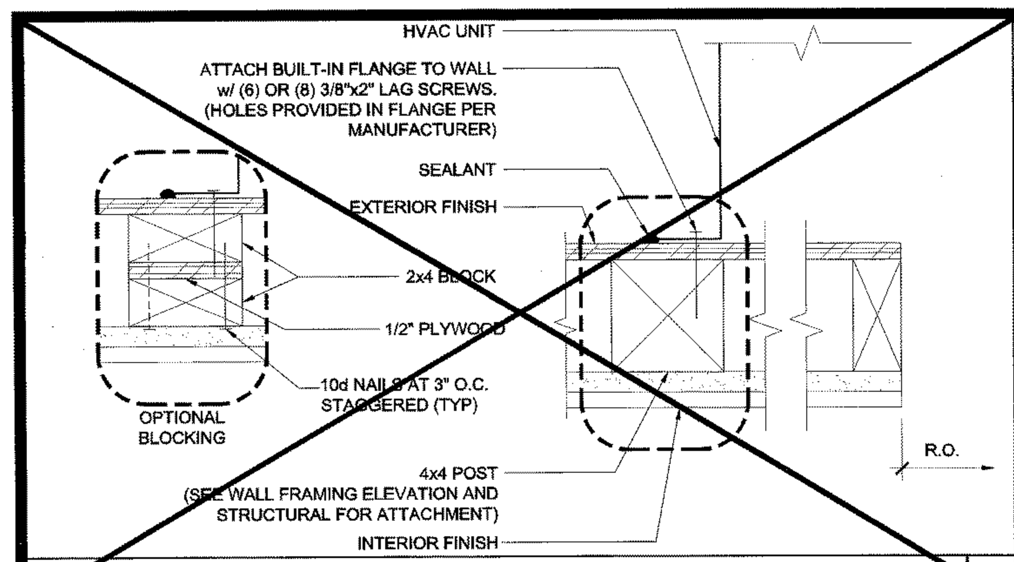
SILVER CREEK INDUSTRIES
12' x 40' PC

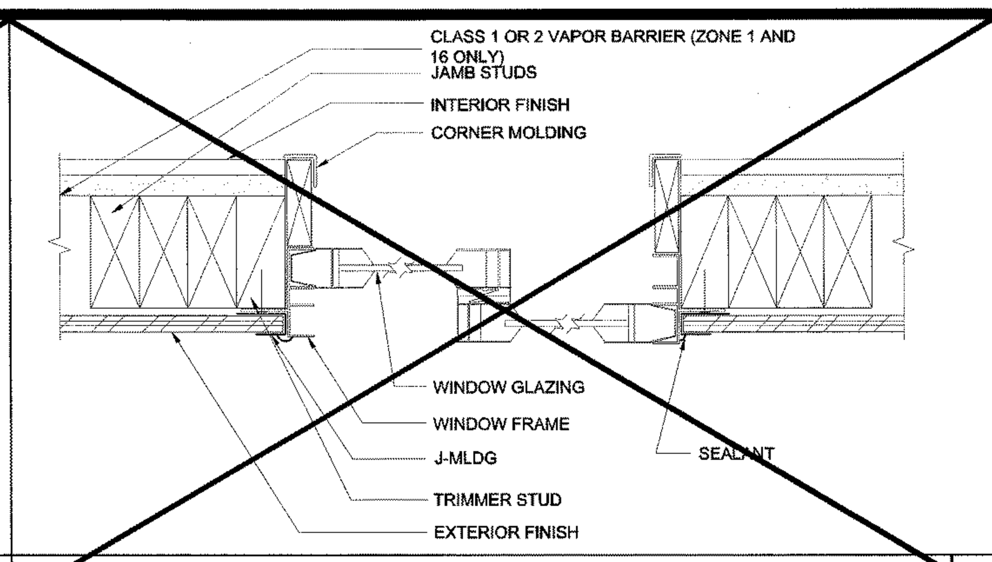
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

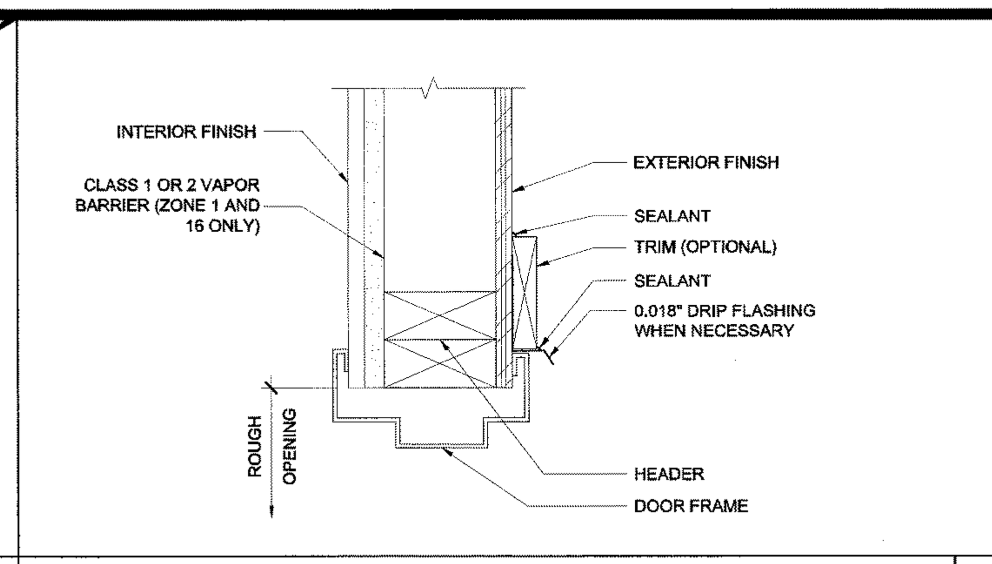
A-5.05



HVAC MOUNT AT JAMBS SCALE : 3"=1'-0" 16

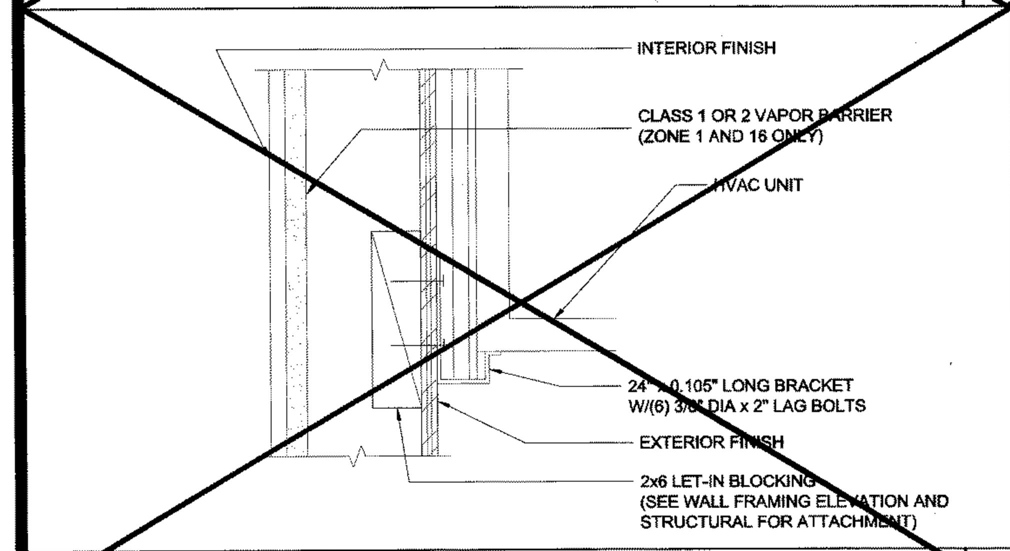


WINDOW SECTION AT JAMBS SCALE : 3"=1'-0" 11

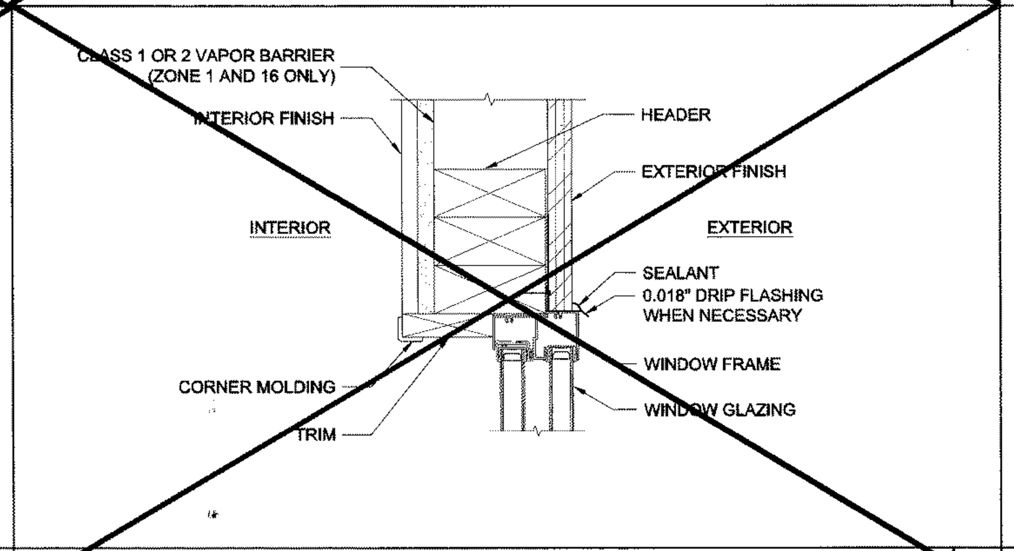


EXTERIOR DOOR HEADER SCALE : 3"=1'-0" 6

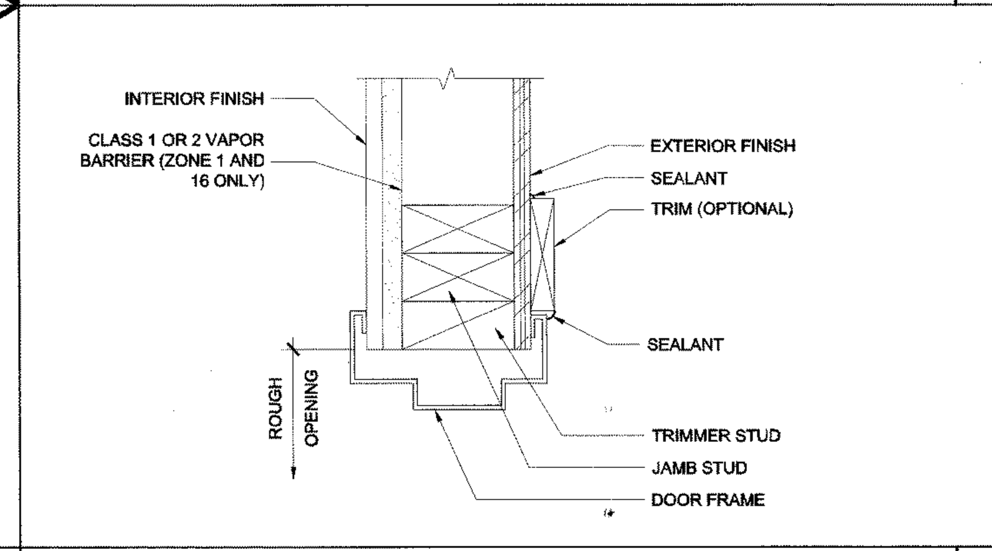
NOT USED 1



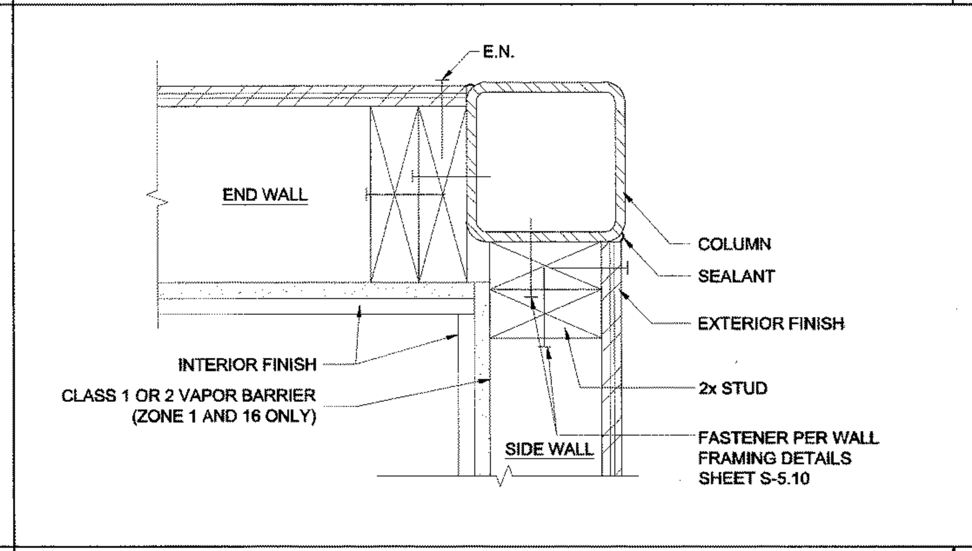
HVAC UNIT AT BOTTOM SCALE : 3"=1'-0" 17



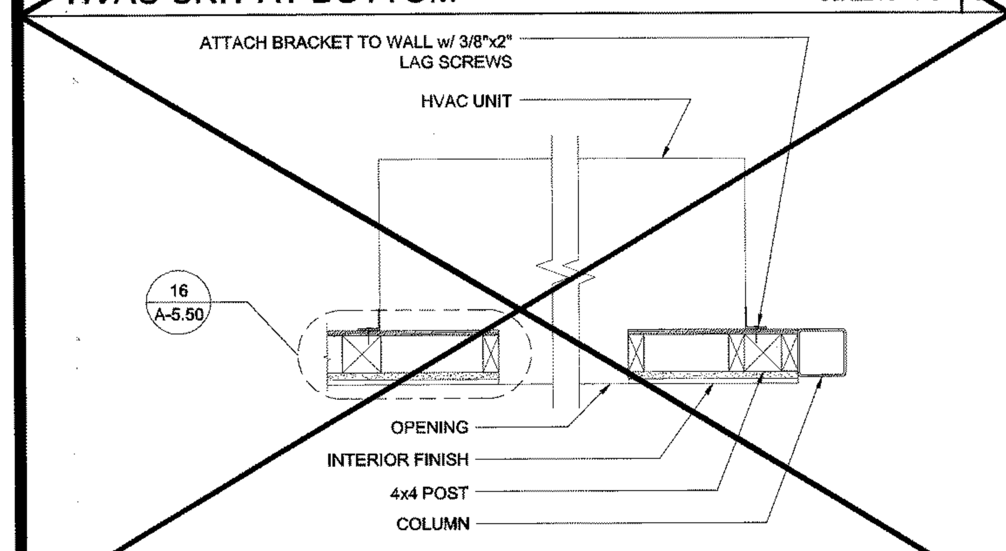
WINDOW HEADER SCALE : 3"=1'-0" 12



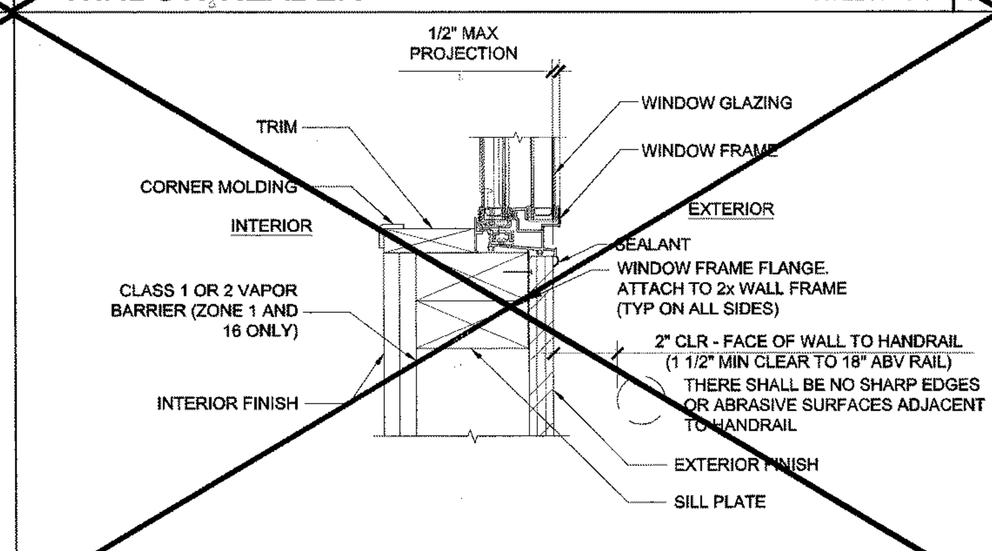
EXTERIOR DOOR JAMB SCALE : 3"=1'-0" 7



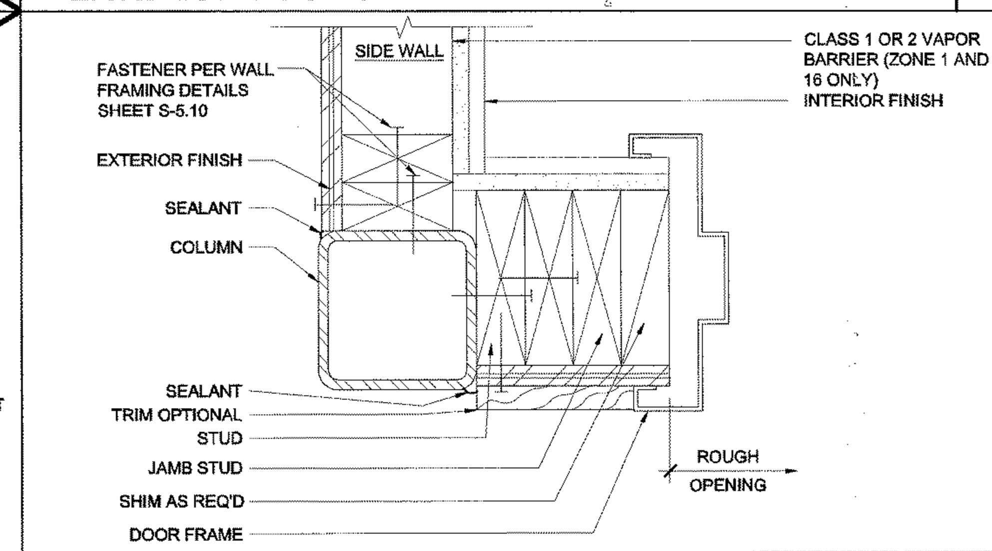
COLUMN AT CORNER SCALE : 3"=1'-0" 2



HVAC UNIT (PLAN) SCALE : 1"=1'-0" 18



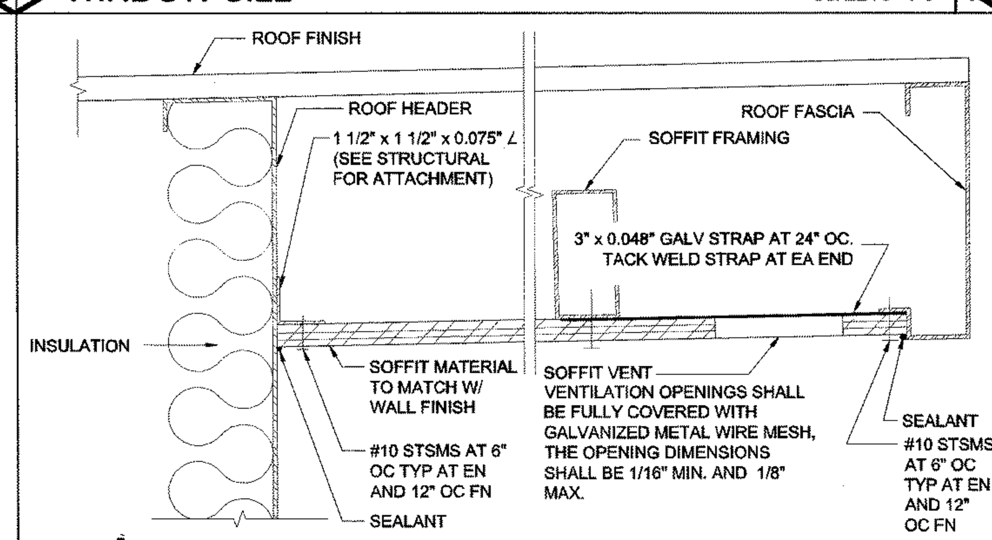
WINDOW SILL SCALE : 3"=1'-0" 13



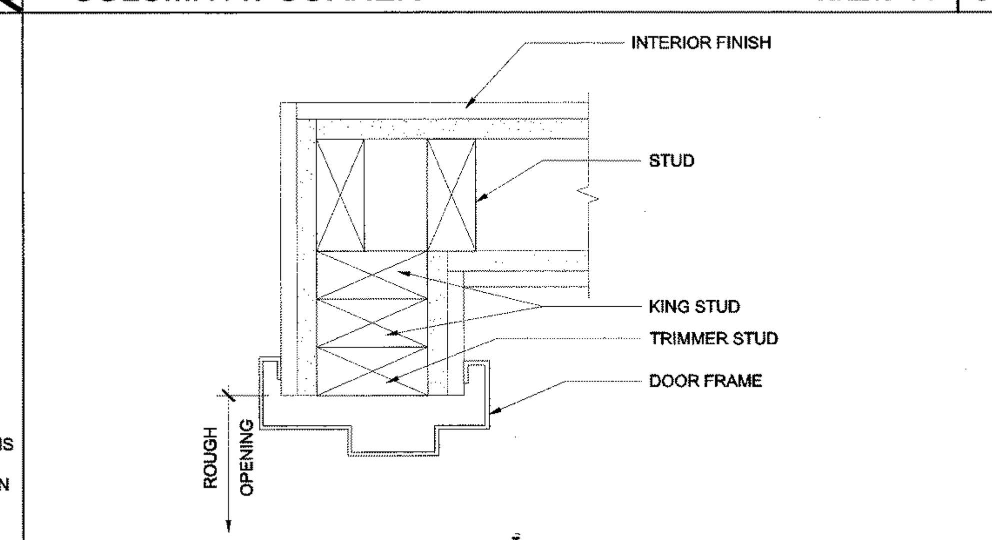
COLUMN AT CORNER SCALE : 3"=1'-0" 8

NOT USED 3

NOT USED 19



SOFFIT AT ROOF HEADER WITH VENT SCALE : 3" = 1'-0" 14

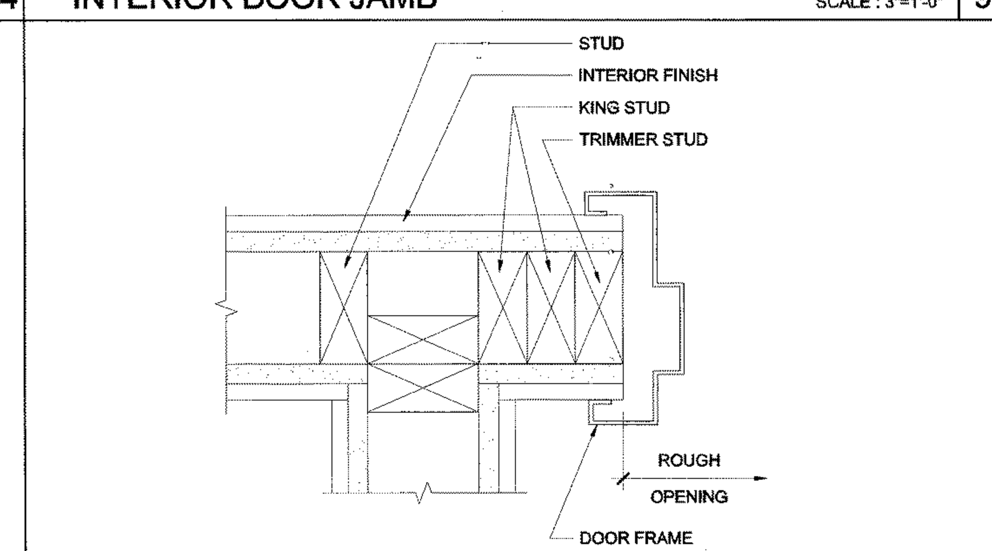


INTERIOR DOOR JAMB SCALE : 3"=1'-0" 9

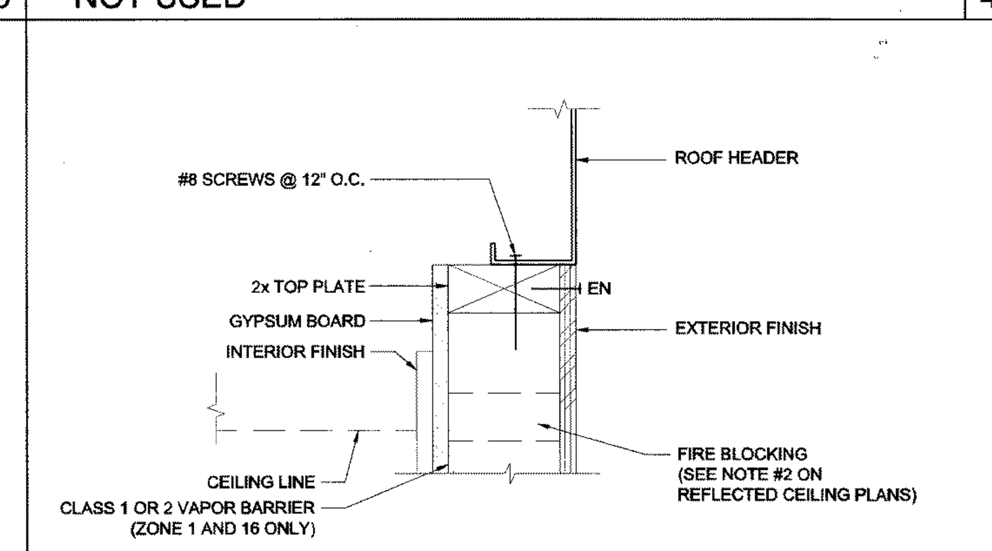
NOT USED 4

NOT USED 20

NOT USED 15



INTERIOR DOOR JAMBS SCALE : 3"=1'-0" 10



TOP PLATE AT ROOF HEADER SCALE : 3" = 1'-0" 5

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

ARCHITECTURAL DETAILS
WOOD STUD - SHTG

REGISTERED PROFESSIONAL ENGINEER JOHN W STARK STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARK STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

A-5.50

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
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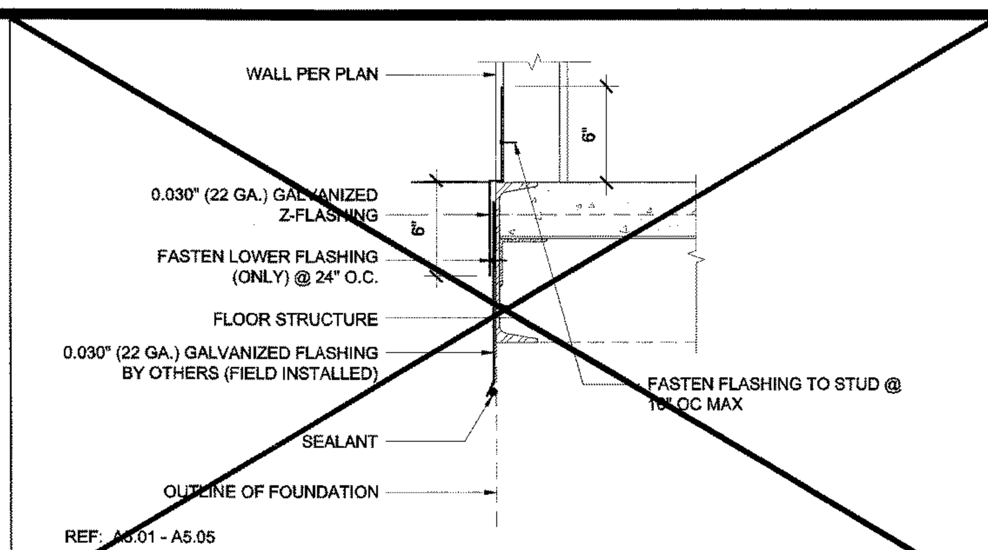
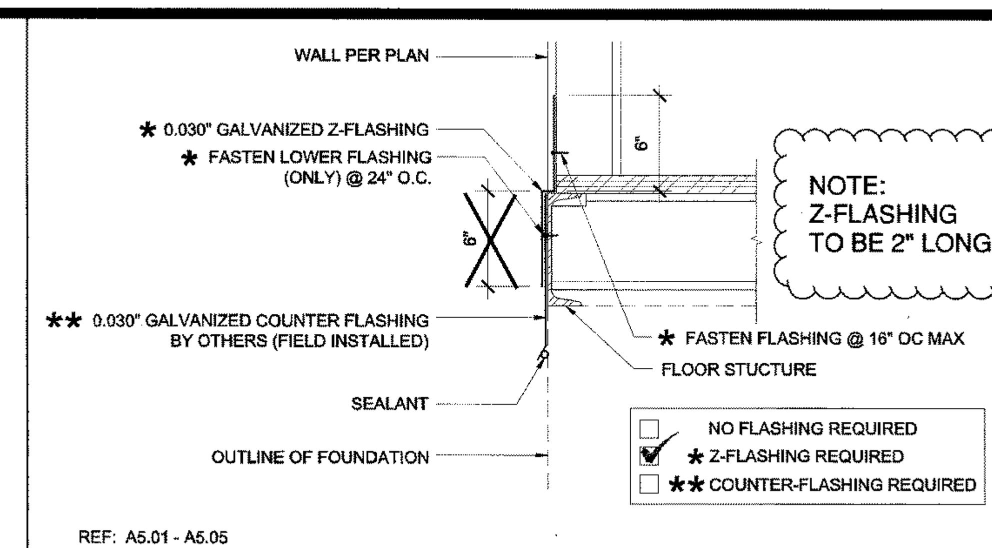
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

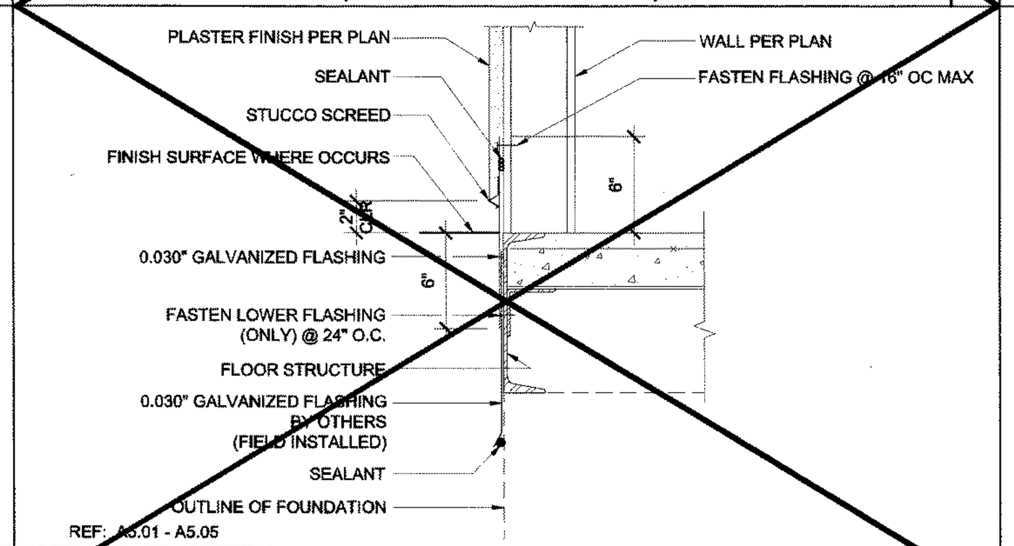


16 SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" 11

NOT USED 6

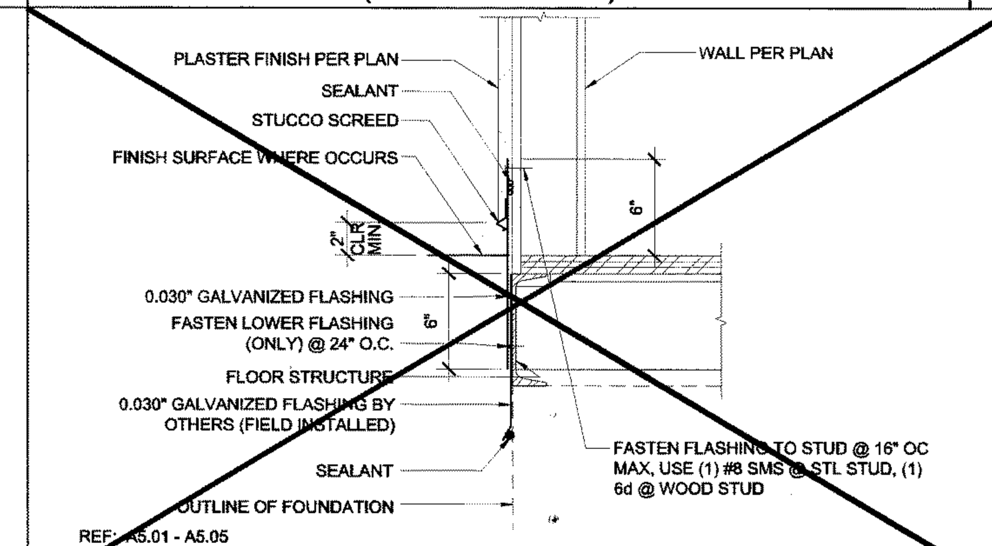


SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 1



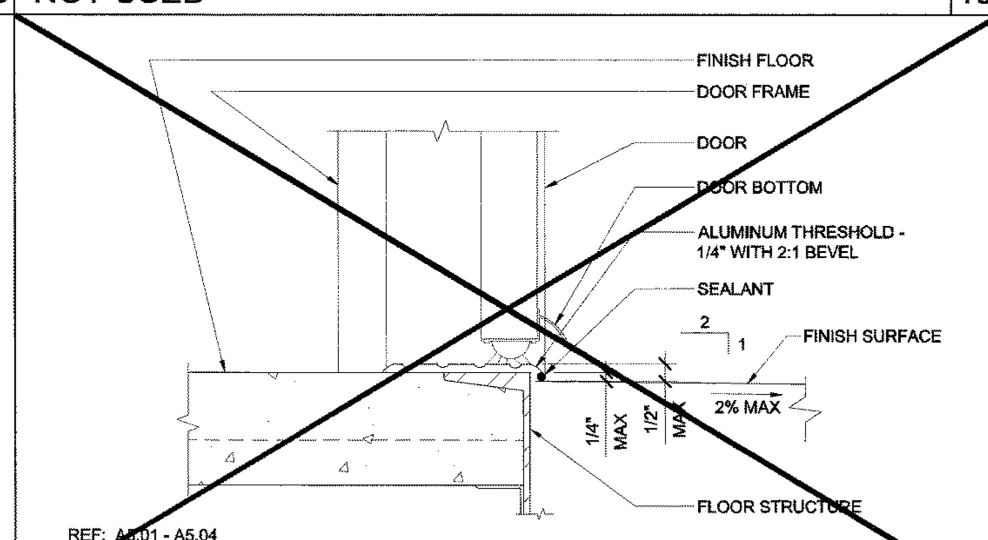
17 SKIRT FLASHING (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" 12

NOT USED 7



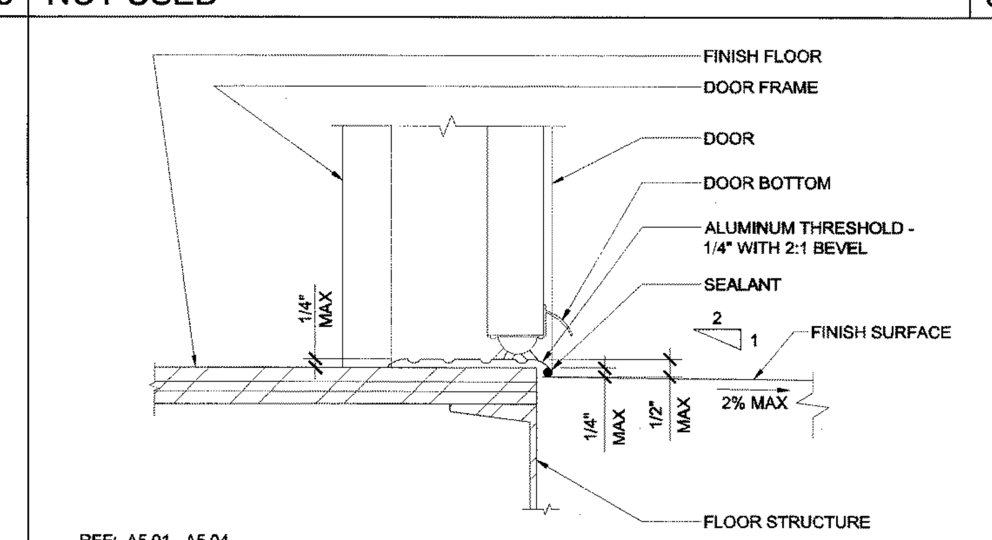
SKIRT FLASHING (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 2

18 NOT USED 13 NOT USED 8 NOT USED 3

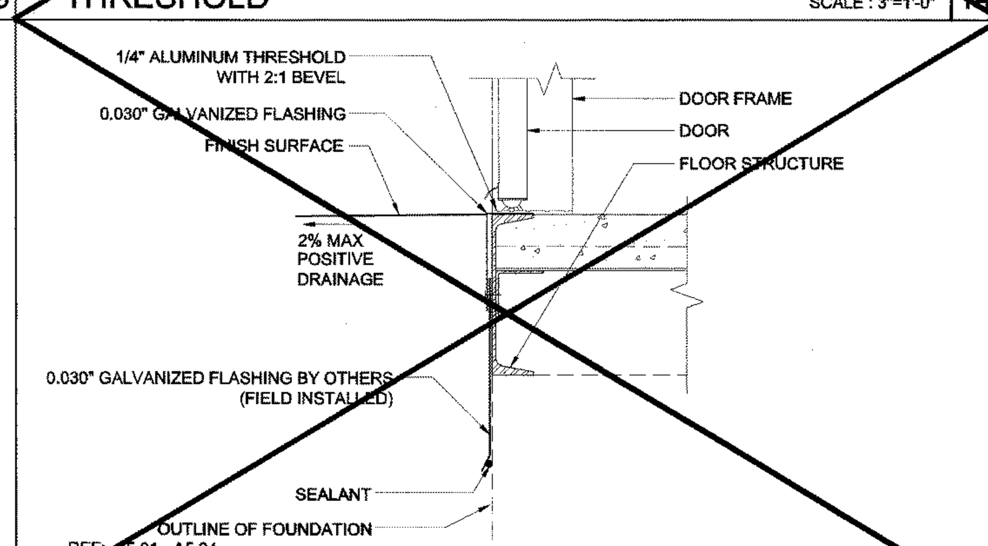


19 THRESHOLD SCALE : 3"=1'-0" 14

NOT USED 9

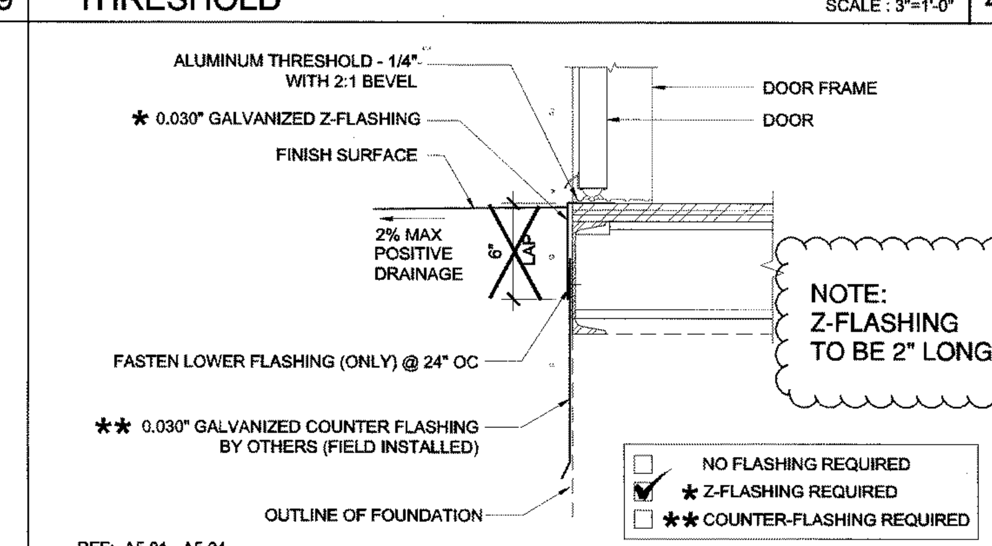


THRESHOLD SCALE : 3"=1'-0" 4



20 TYPICAL SILL AT FLOOR (CONCRETE FLOOR) SCALE : 1 1/2"=1'-0" 15

NOT USED 10



TYPICAL SILL AT FLOOR (WOOD FLOOR) SCALE : 1 1/2"=1'-0" 5

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

ARCHITECTURAL DETAILS
FLOOR

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLIN 2475 STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLIN STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

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04 118031
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REVISIONS

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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

A-5.70

IDENTIFICATION STAMP
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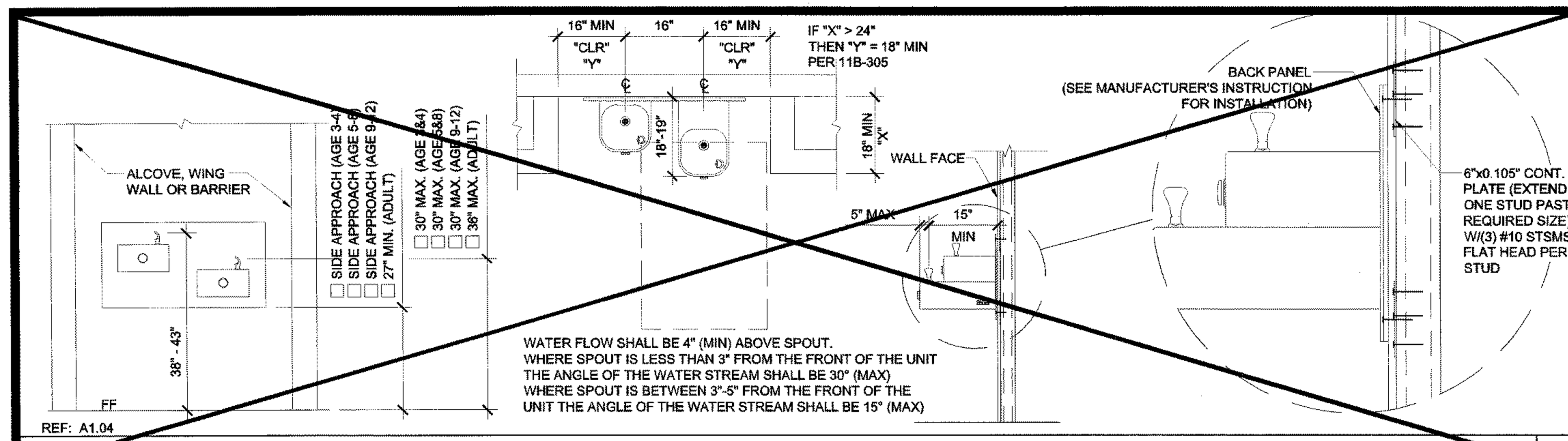
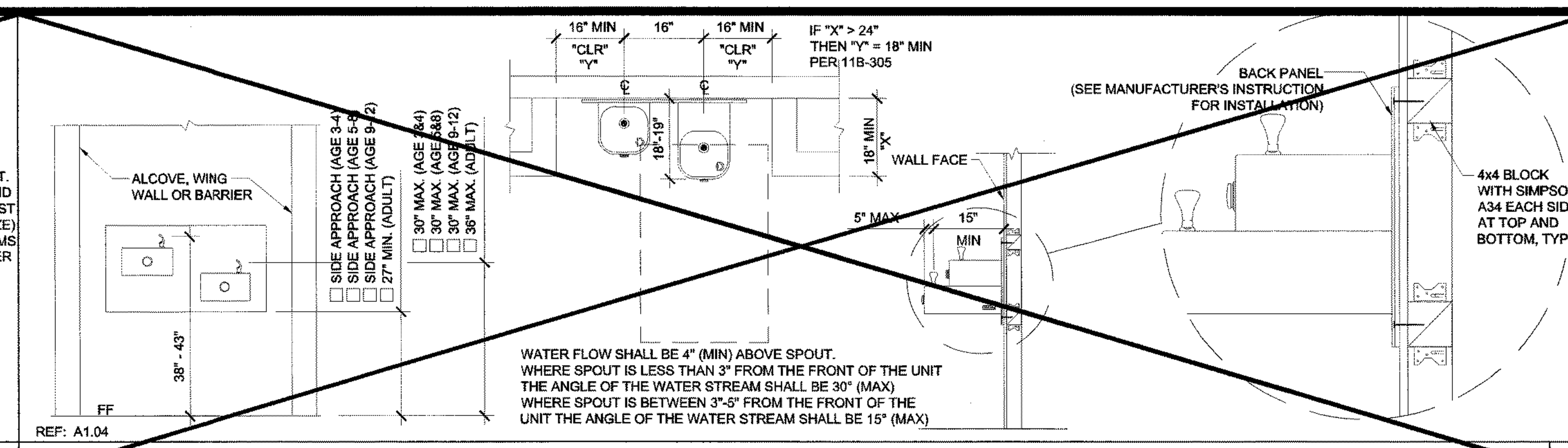
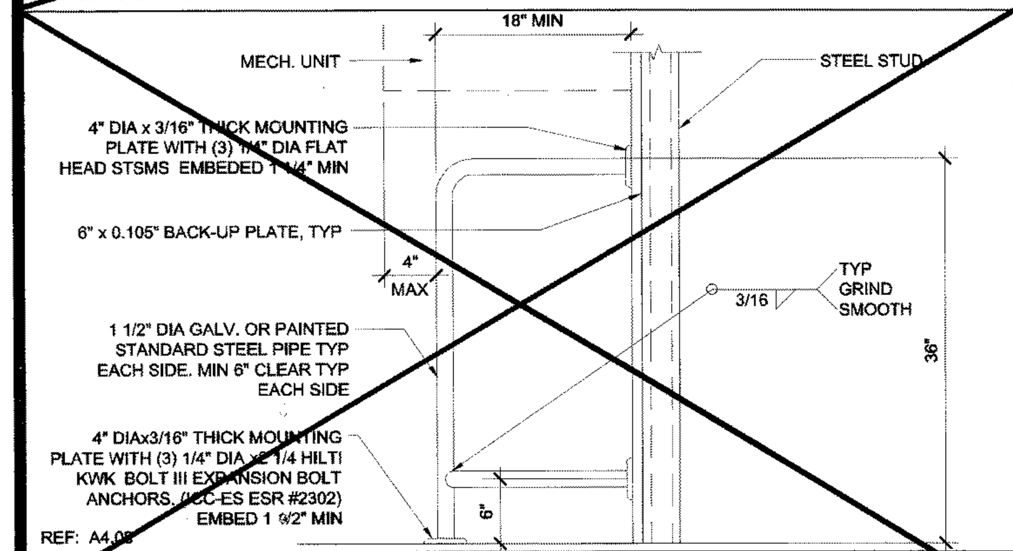


DRINKING FOUNTAIN BLOCKING DETAIL AT STEEL STUD SCALE : 1/2" = 1'-0" 11



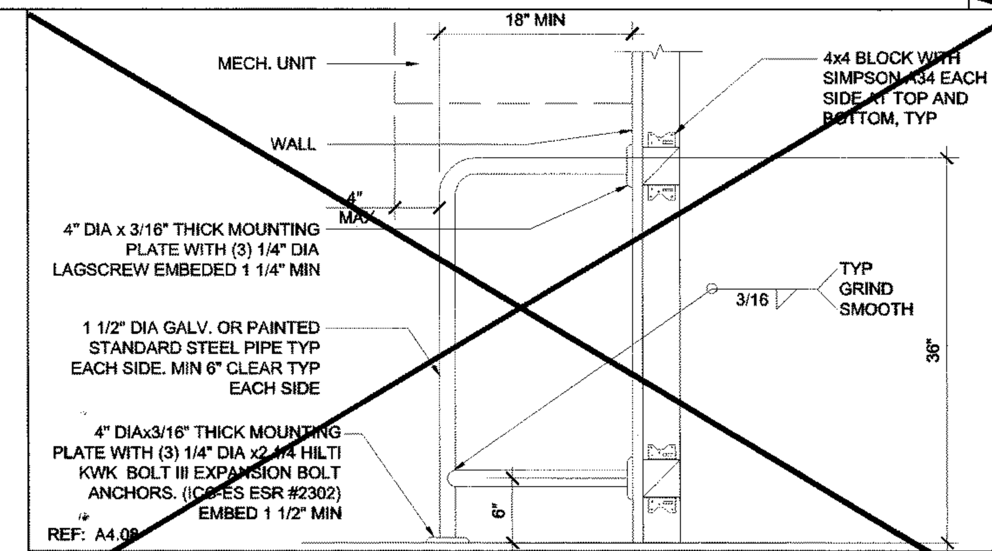
DRINKING FOUNTAIN BLOCKING DETAIL AT WOOD STUD SCALE : 1/2" = 1'-0" 1



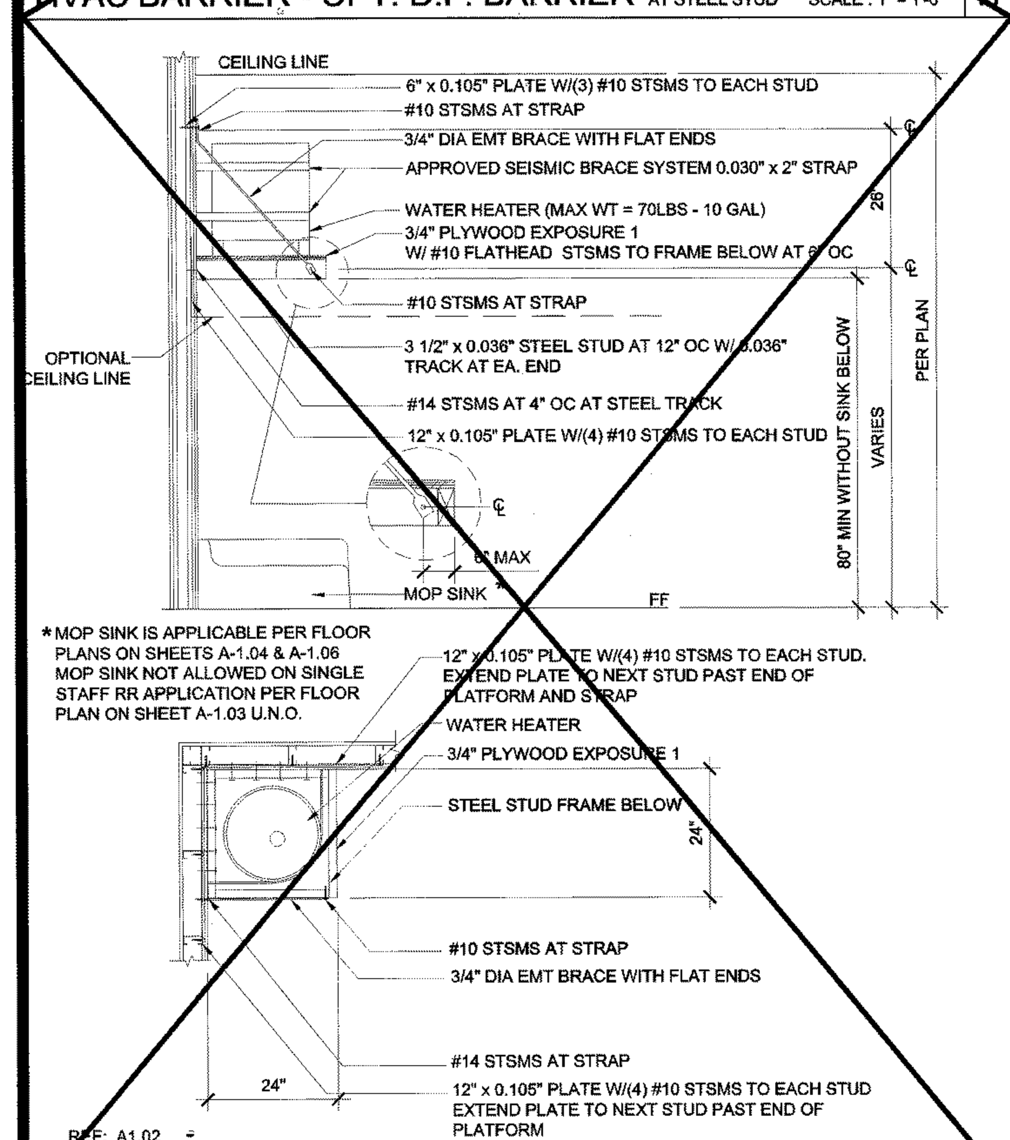
HVAC BARRIER - OPT. D.F. BARRIER AT STEEL STUD SCALE : 1" = 1'-0" 17

NOT USED 13

NOT USED 8

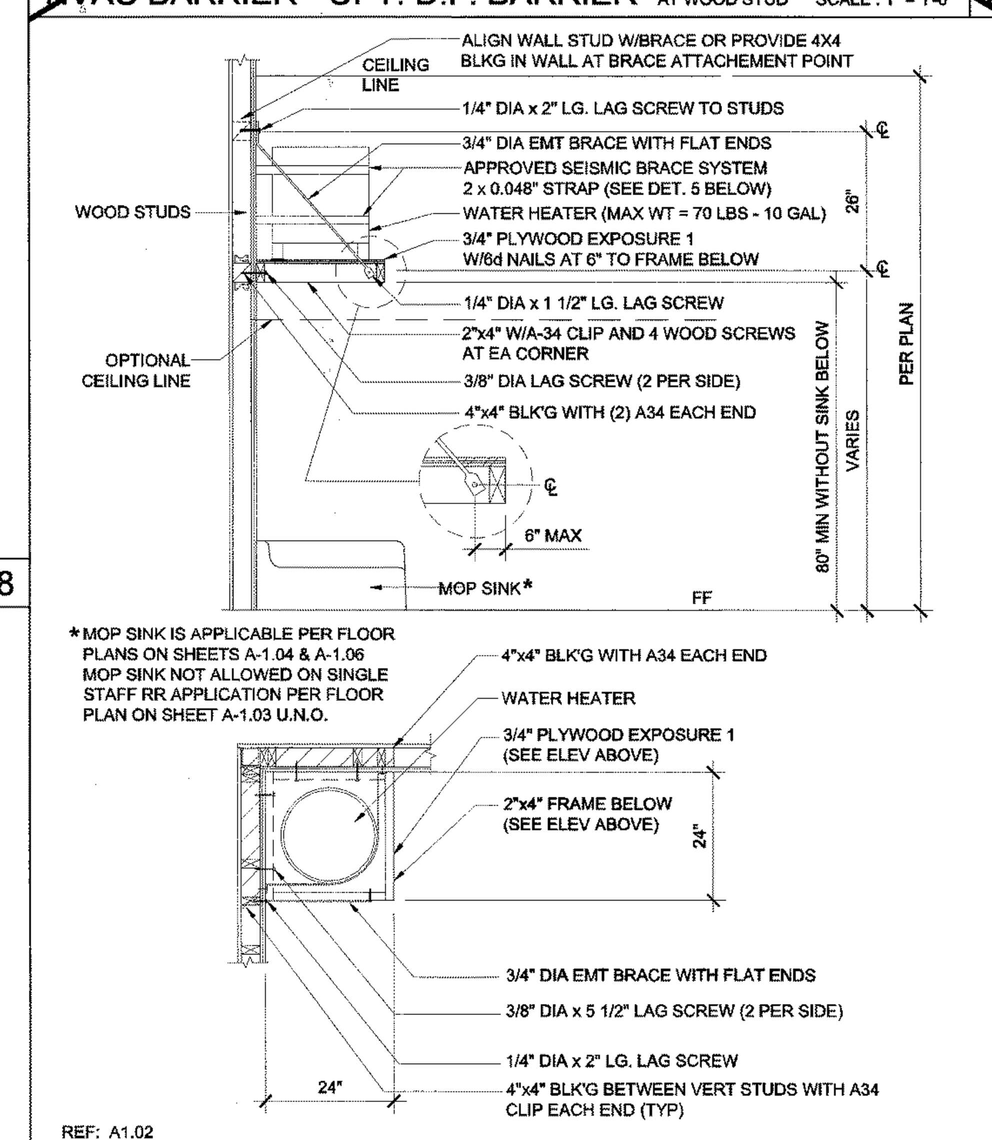


HVAC BARRIER - OPT. D.F. BARRIER AT WOOD STUD SCALE : 1" = 1'-0" 2

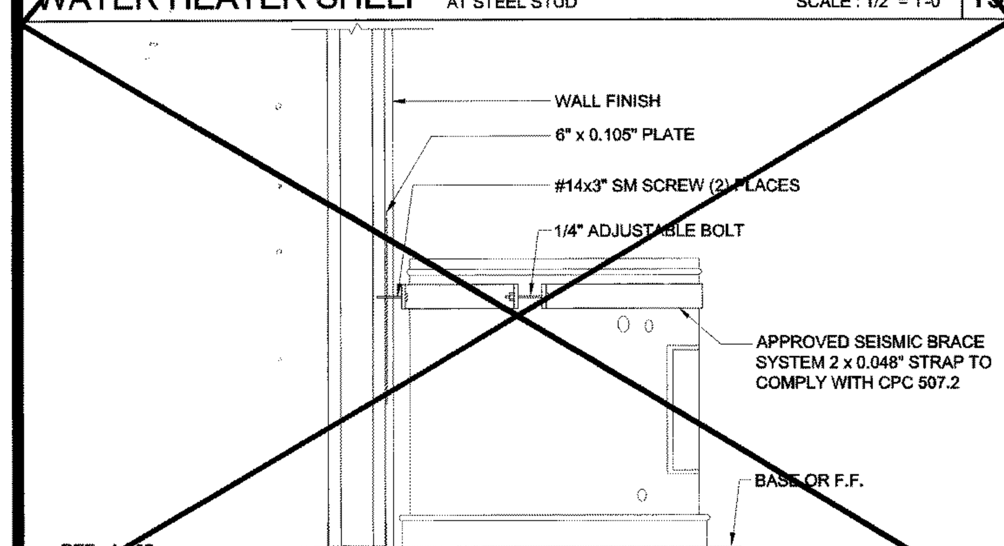


WATER HEATER SHELF AT STEEL STUD SCALE : 1/2" = 1'-0" 19

NOT USED 14

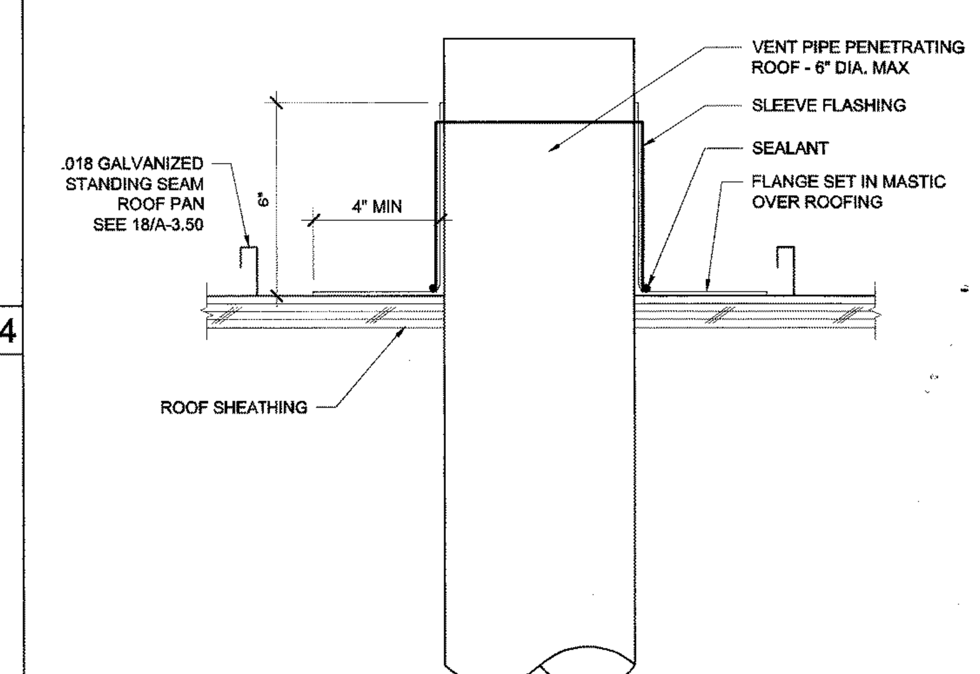


WATER HEATER SHELF AT WOOD STUD SCALE : 1/2" = 1'-0" 4

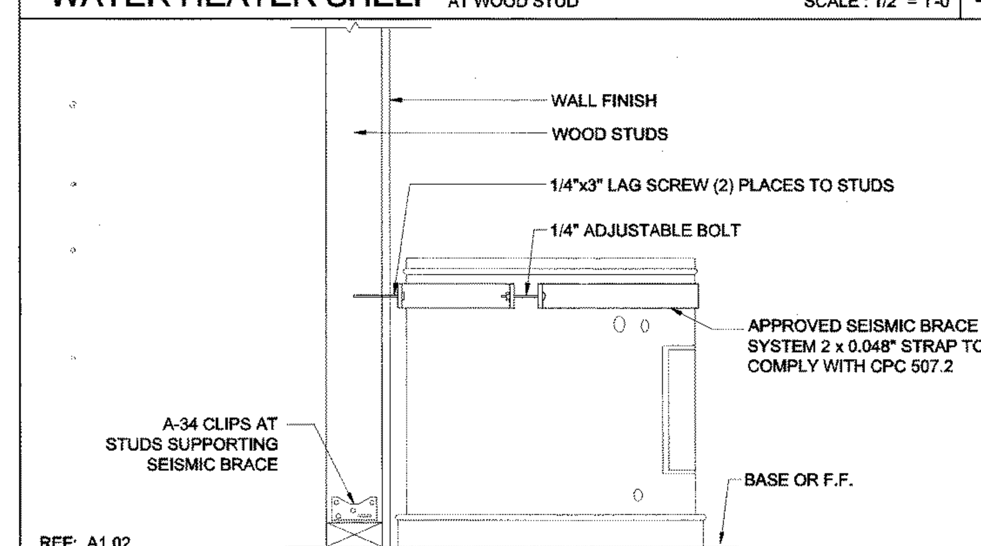


WATER HEATER BRACING AT STEEL STUD SCALE : 1 1/2" = 1'-0" 20

NOT USED 15



PIPE PENETRATION THROUGH ROOF SCALE : 3"=1'-0" 10



WATER HEATER BRACING AT WOOD STUD SCALE : 1 1/2" = 1'-0" 5

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

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PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

ARCHITECTURAL DETAILS
MISCELLANEOUS

REGISTERED PROFESSIONAL ENGINEER JOHN W STARR STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARR STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS FLS SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
A-5.81

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
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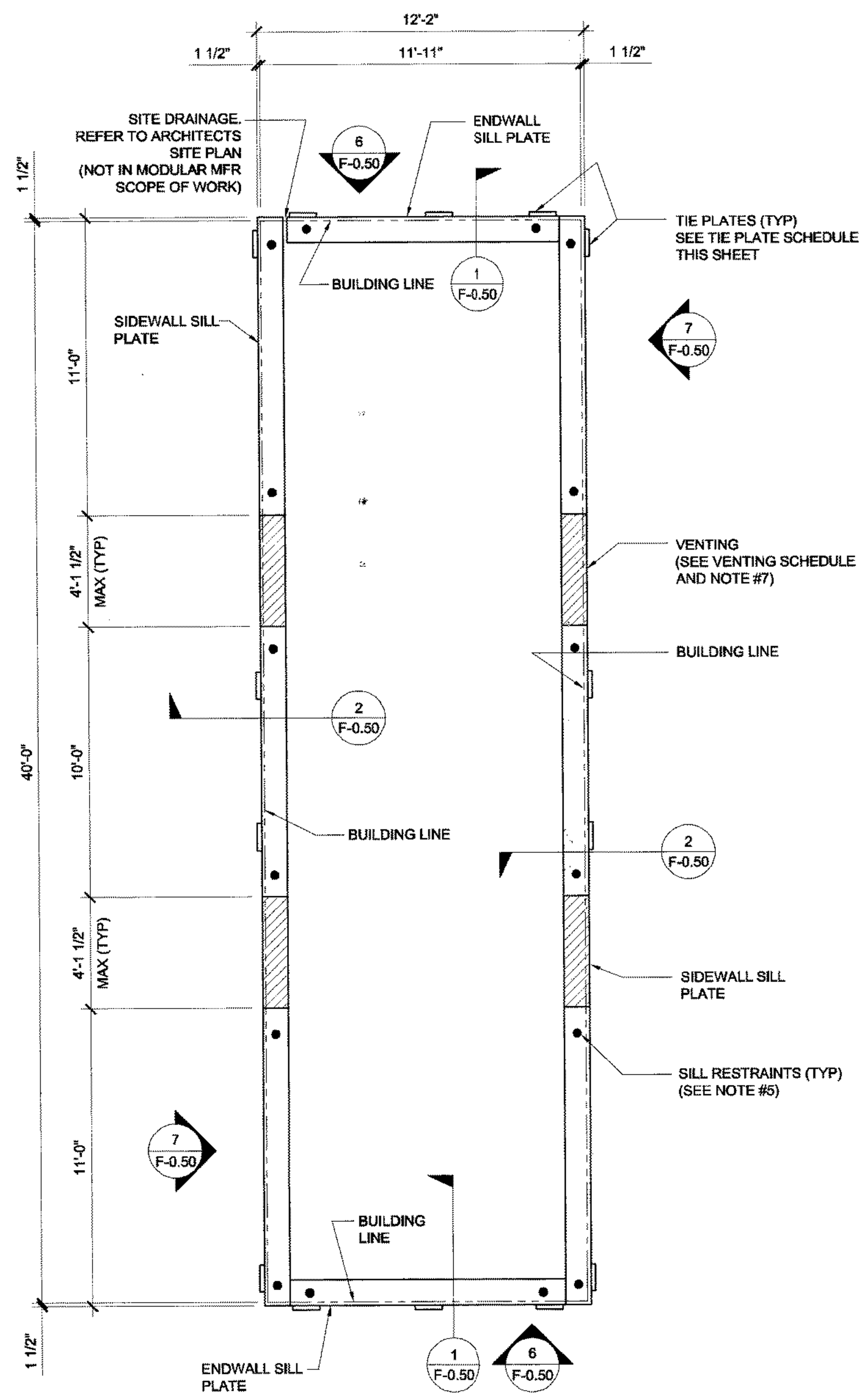
DATE 12/24/2020



NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

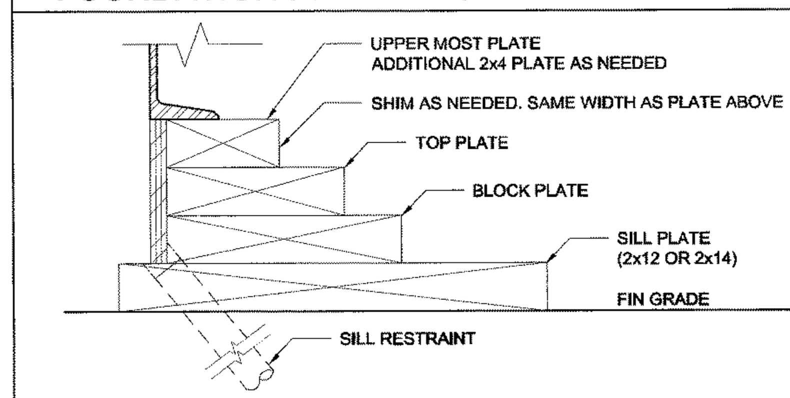
FOUNDATION PLAN — SCALE: 1/4" = 1'-0" — 1

WOOD FOUNDATION PLATE SCHEDULE

50 + 15 PSF

PLATES	END WALL	SIDE WALL
ADDITIONAL (AS NEEDED)	2x4	2x4
TOP	2x6	2x6
BLOCK	2x8 SEE NOTE #10	2x8
SILL	2x12 SEE NOTE #10	2x12

FOUNDATION PLATE DESCRIPTION



NOTES

1. BUILDINGS OVER 2160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
2. FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
3. FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
4. WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
5. SILL RESTRAINT:
   THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
6. STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153.
7. VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
8. VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
9. FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50.
10. IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE.
11. FOR FOUNDATION SPLICE - SEE 5/F-0.50.
12. CRAWLSPACE VAPOR RETARDERS (OPTIONAL):
    THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.4.2 (2).
    MATERIALS:
    GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHELYNE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHELYNE FILM WITH RAT SLAB.
    INSTALLATION RECOMMENDATIONS:
    OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
13. ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE.
14. CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION
15. IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING.
16. 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OR PARAPET OPTION.
17. VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
    A. VENTS HAVE A MINIMUM OF 2 SILL /BLOCKING PLATES BENEATH.
    B. VENTS ARE A MAXIMUM OF 6" LONG x 3" MIN. HIGH.
    C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.
18. WHERE THE BUILDING OCCURS ON OR ADJACENT TO A SLOPE (GREATER THAN 33%) THE SETBACK SHALL COMPLY WITH CBC SECTION 1808A.7. THE MINIMUM SETBACK AT THE TOP OF THE SLOPE SHALL BE NOT LESS THAN SMALLER OF 40'-0" OR 1/3 THE HEIGHT OF THE SLOPE. THE MINIMUM SETBACK AT THE BOTTOM OF THE SLOPE SHALL BE NOT LESS THAN THE SMALLER OF 15'-0" OR 1/2 THE HEIGHT OF THE SLOPE. THE SETBACK DISTANCES INDICATED HERE MAY BE REDUCED WHEN A SITE SPECIFIC GEOTECHNICAL REPORT IS PROVIDED.

NAILING SCHEDULE

BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
12' x 40'	8" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50

VENTING SCHEDULE

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDE VENTING	TOTAL VENTING SUPPLIED
12' x 40'	480 SF	3.2 SF (1/150)	4.125' x 3" = (4) 1.03 SF/EA	4.12 SF SEE NOTE #8

TIE PLATE SCHEDULE (14 / F-0.50)

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
12' x 40'	4	3	14

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
WOOD FOUNDATION PLAN
12x40
(50 + 15 PSF)

REGISTERED PROFESSIONAL ENGINEER JOHN W STARK STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER JOHN W STARK STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS — SS ✓
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS
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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
F-0.02

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SS ☑ FLS ☑ ACS ☑
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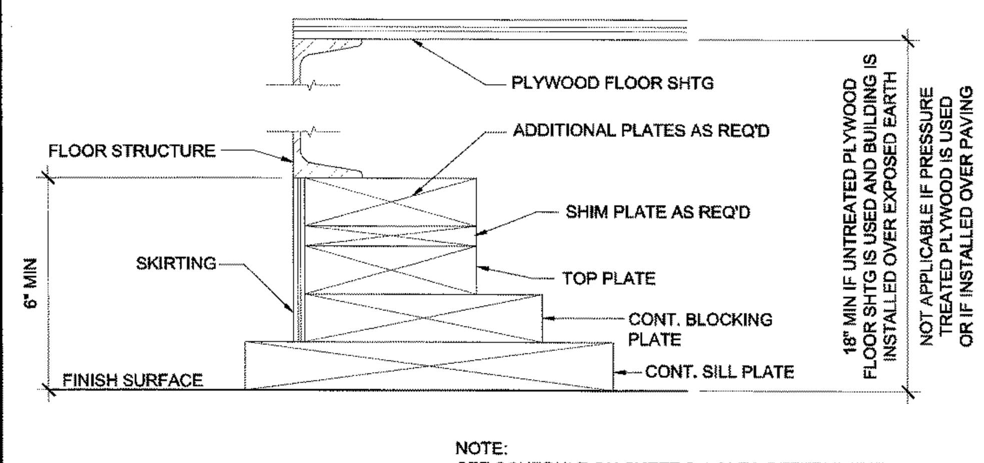
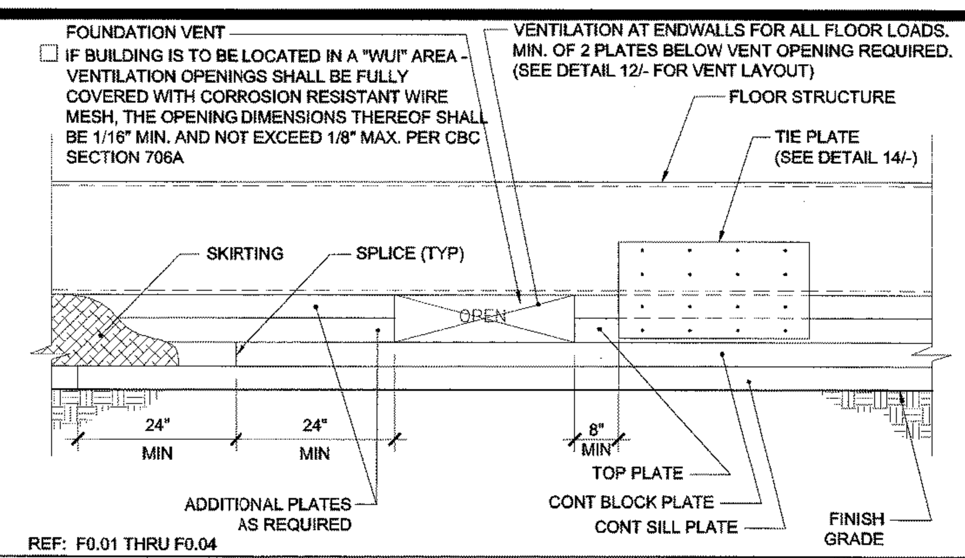


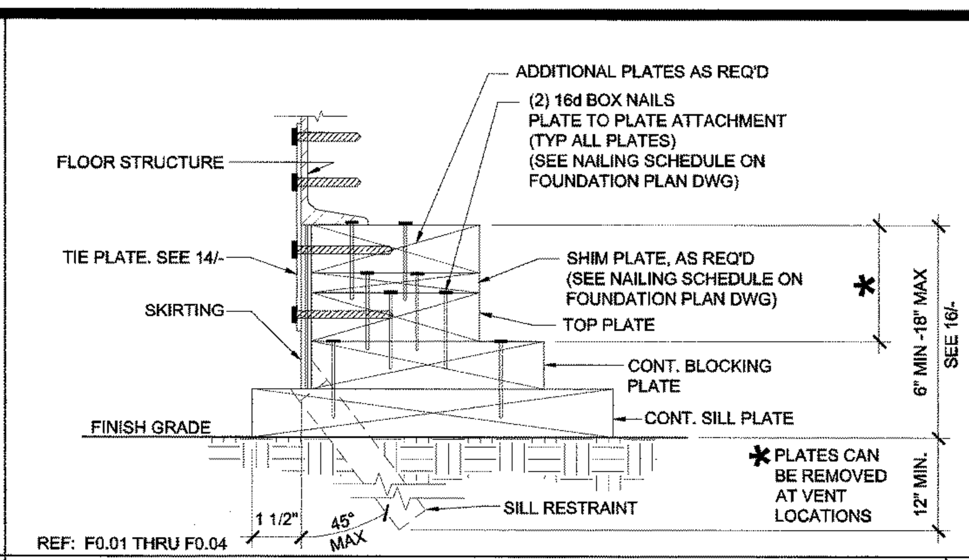
NOTE:
SEE SCHEDULE ON SHEET S-1.01 TO DETERMINE IF PRESSURE TREATED PLYWOOD FLOOR SHTG IS BEING PROVIDED

CLEARANCE TO PLYWOOD SHTG — SCALE : 3"=1'-0" — 16

NOT USED — 11

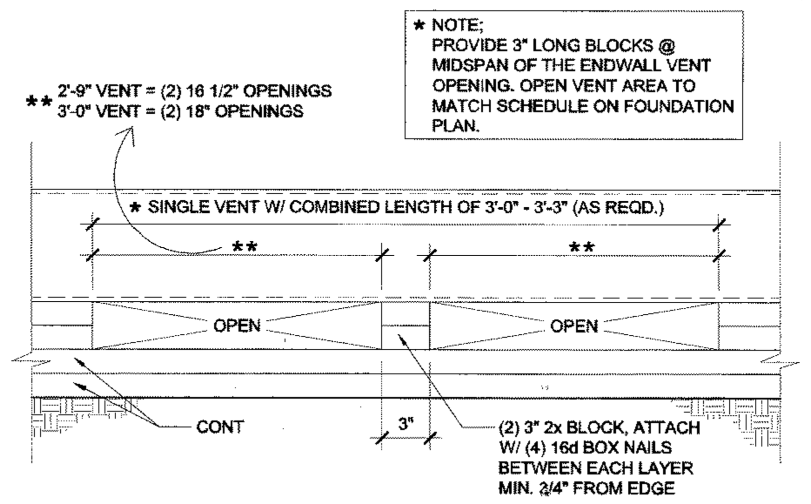


FOUNDATION ASSEMBLY END WALL ELEVATION — SCALE : 1 1/2"=1'-0" — 6

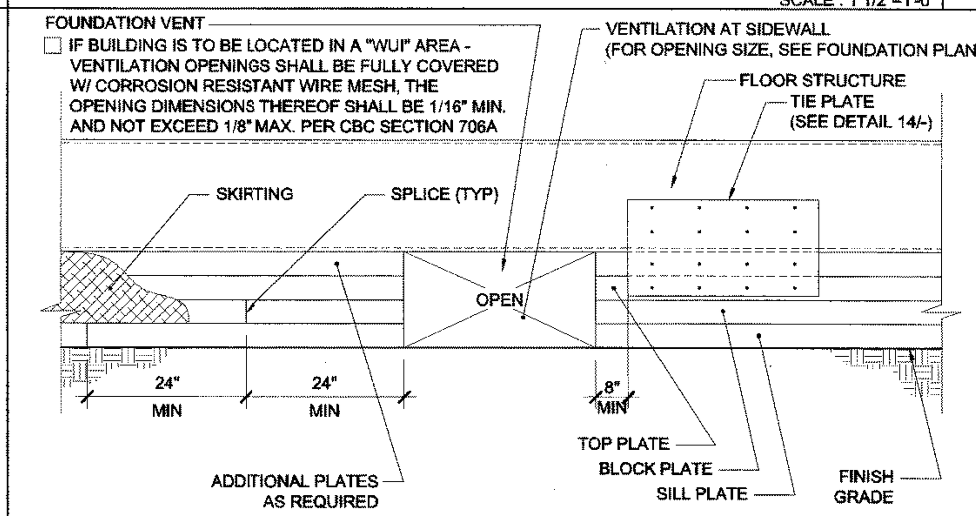


FOUNDATION AT END WALL — SCALE : 3"=1'-0" — 1

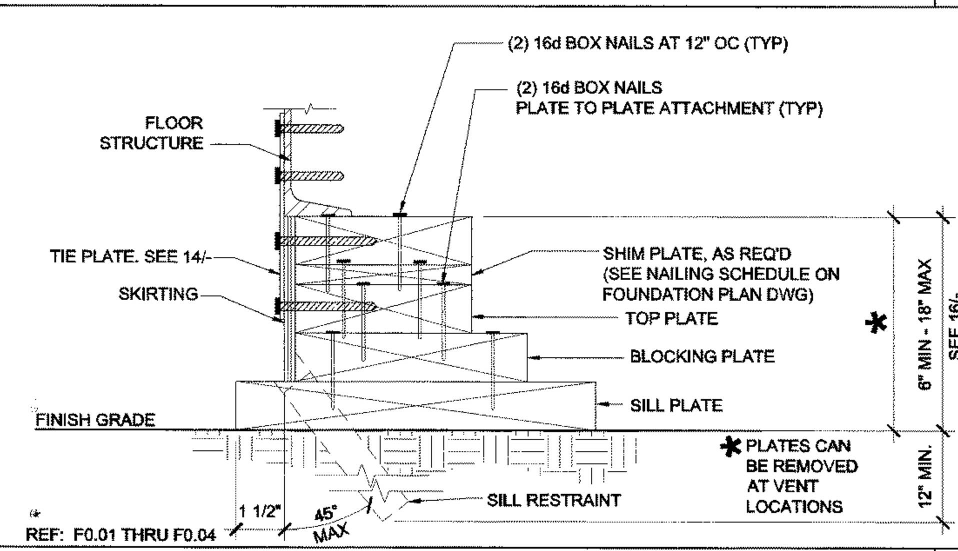
NOT USED — 17



END WALL VENT — SCALE : 1 1/2"=1'-0" — 12



FOUNDATION ASSEMBLY SIDEWALL ELEVATION — SCALE : 1 1/2"=1'-0" — 7



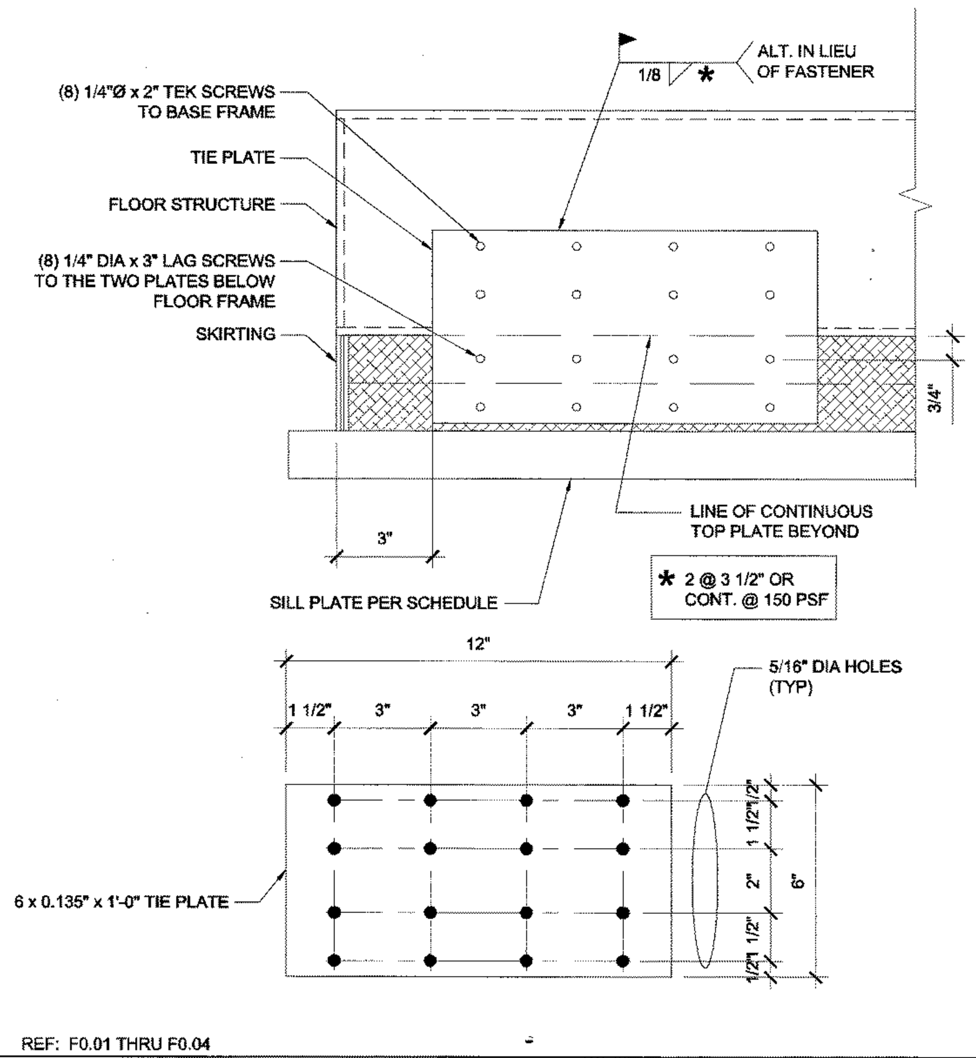
FOUNDATION AT SIDE WALL — SCALE : 3"=1'-0" — 2

NOT USED — 18

NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

NOT USED — 8

NOT USED — 3



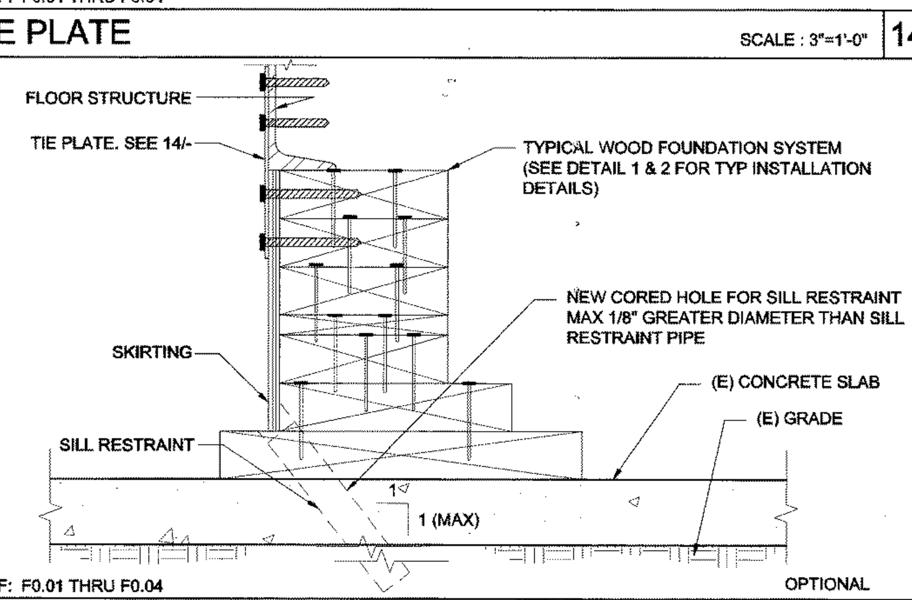
NOT USED — 19

TIE PLATE — SCALE : 3"=1'-0" — 14

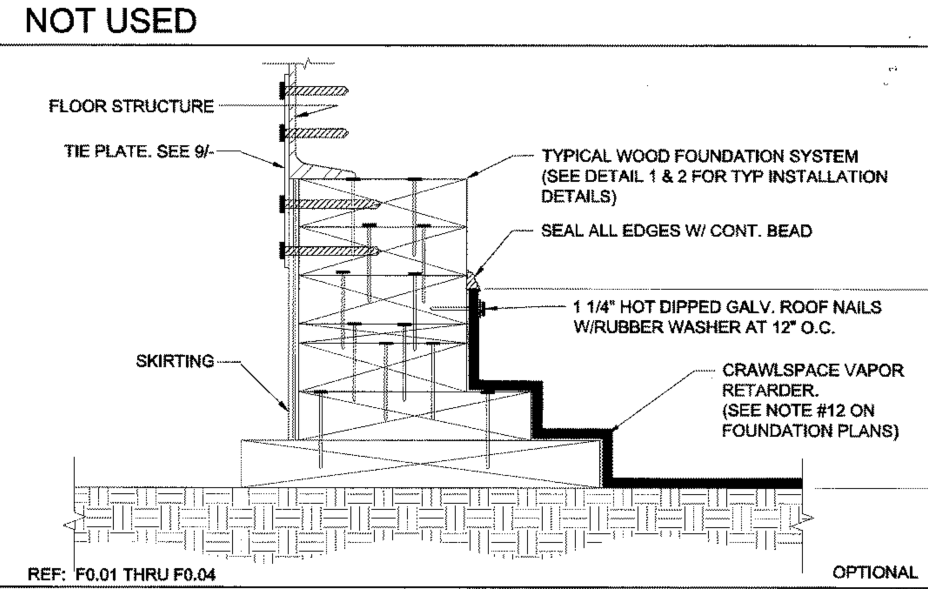
NOT USED — 9

NOT USED — 4

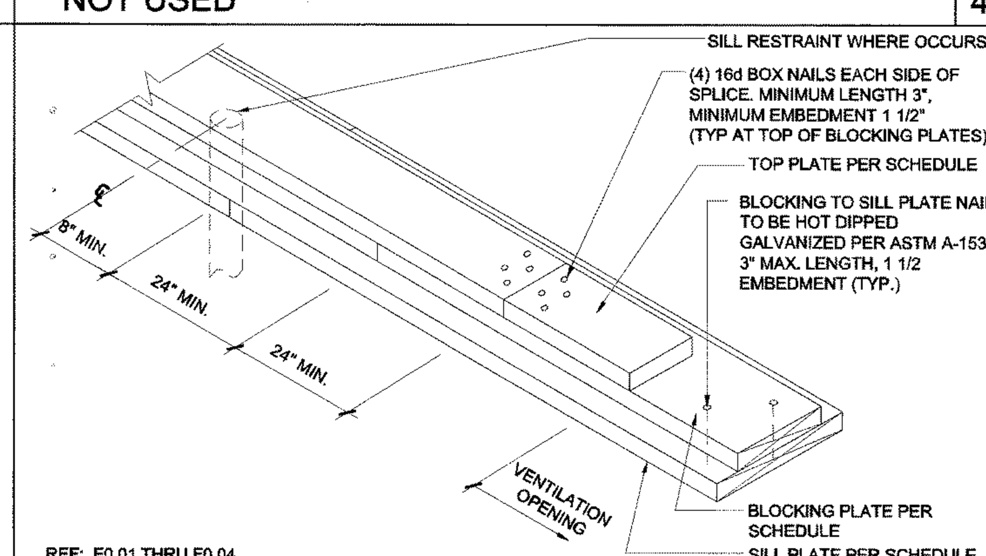
NOT USED — 20



FOUNDATION ANCHORAGE AT CONCRETE PAD — SCALE : 3"=1'-0" — 15



CRAWLSPACE VAPOR RETARDER — SCALE : 3"=1'-0" — 10



FOUNDATION SPLICE — SCALE : NTS — 5

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REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

FOUNDATION DETAILS
WOOD

STOCKPILE PROFESSIONAL

12/12/2018

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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
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DATE:	10-12-2017

P.C. SHEET NUMBER

F-0.50

STRUCTURAL SPECIFICATIONS

FOUNDATIONS:

GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 1803A.3 THROUGH 1803A.8. EXCEPTIONS, 1) GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY, WOOD-FRAME AND LIGHT-STEEL-FRAME BUILDINGS OF TYPE II OR TYPE V CONSTRUCTION AND 4,000 SQUARE FEET OR LESS IN FLOOR AREA, NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN IN THE MOST RECENTLY PUBLISHED MAPS FROM THE CALIFORNIA GEOLOGICAL SURVEY (CGS) OR IN SEISMIC HAZARD ZONES AS DEFINED IN THE SAFETY ELEMENT OF THE LOCAL GENERAL PLAN, 2) A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED, PROVIDED THAT A REEVALUATION IS MADE AND THE REPORT IS FOUND TO BE CURRENTLY APPROPRIATE. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2 PER CBC SECTION 1803A.2

CONCRETE

PROVIDE NECESSARY SHIMS ON FOOTINGS NOT LEVEL WITHIN THE 1/2" ALLOWABLE TOLERANCE. THE DISTRICT SHALL PROVIDE CLEAR AND UNOBSTRUCTED ACCESS TO THE SITE. THE DISTRICT IS RESPONSIBLE FOR ALL SURVEYING, STAKING THE BUILDING CORNERS, SETTING THE FINISH FLOOR ELEVATION, RIGGING, CRANING, EXCAVATION, SPOIL REMOVAL, AND BACKFILL.

THE FOUNDATION AND THE METHOD OF FASTENING THE UNITS SHALL BE AS SHOWN ON DRAWINGS WHERE APPLICABLE. HIGH STRENGTH GROUT SHALL BE EMBECO 885 NON-SHRINK, METALLIC AGGREGATE GROUT OR A DSA APPROVED EQUAL.

THE DESIGN OF CONRETE FOUNDATIONS WILL BE AS FOLLOWS:

1. FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
2. EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CODES AND STANDARDS.
   a) ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND CHAPTER 19A.
   b) AMERICAN CONCRETE INSTITUTE (ACI): BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, ACI318-11.
   c) SOCIETY FOR TESTING AND MATERIALS (ASTM): THE SPECIFICATIONS AND STANDARDS HEREINAFTER REFERENCED TO SHALL BE OF THE LATEST EDITION.
3. CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND OR INSPECTOR.
4. DESIGN MIXES SHALL BE AS SPECIFIED IN TITLE 24. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS: (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1).
   CONCRETE COMPRESSIVE STRENGTH F'C= 3500 PSI
   WATER-CEMENT RATIO SHALL NOT EXCEED 0.60 BY WEIGHT
   PORTLAND CEMENT TYPE I
   NORMAL WEIGHT
5. FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.
6. THE ARCHITECT SHALL APPROVE LOCATION OF:
   a) OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.
   b) OPENINGS FOR VENT WELLS FOR UNDER FLOOR VENTILATION: PROVIDE FOR ALL OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED. INSTALL ALL SLEEVES AS MAY BE REQUIRED.
7. VARIANCE IN CONCRETE SLAB SURFACE SHALL BE NO MORE THAN 1/16" IN 10 FEET
8. ALL CEMENT SHALL BE TYPE 1 OR 11 PER ASTM C-150. (UNLESS REQUIRED OTHERWISE PER CBC 1802A.2.3
9. WATER CONTENT SHALL NOT EXCEED 7 1/4 GALLONS PER SACK OF CEMENT (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1)
10. AGGREGATE SHALL BE 3/4" TO 1 1/2" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR SPACING
11. ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED "WET SETTING" IS NOT ALLOWED.
12. REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.
13. CONCRETE MIX REQUIRED: CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.

1705A.3.3. WAIVER OF BATCH PLAN INSPECTION.

A. WHEN BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS SHALL APPLY:

1. QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.
2. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET.
3. BATCH TICKETS, INCLUDING ACTUAL MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD AND SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK , IT'S LOAD, TIME OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.

REINFORCING STEEL:

1. MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 MIN. GRADE 60. EXCEPT #3 ANCHOR REINFORCEMENT SHALL BE GRADE 40.
2. SPLICES: ALL SPLICES SHALL BE LAPPED A MINIMUM 48" #5 BARS AND 30" #4 BARS UNLESS OTHERWISE DETAILED.
3. REINFORCING FABRICATION AND PLACEMENT: FABRICATION AND PLACING OF REINFORCING SHALL CONFORM TO THE "CODE OF STANDARD PRACTICE AND SPECIFICATIONS FOR PLACING REINFORCEMENT OF THE CONCRETE REINFORCING STEEL INSTITUTE".
4. MINIMUM COVERAGE: ALL REINFORCING SHALL HAVE THE FOLLOWING MINIMUM COVERAGE WITH CONCRETE:

LOCATION	AMOUNT
FORMED EARTH	2"
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
WALL-EXPOSED FACE	
#5 OR SMALLER	2"
#6 OR LARGER	2"
WALL-UNEXPOSED FACE	3/4"

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.
2. TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B, OR A1085
3. PIPE COLUMNS SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B. OR A1085
4. TUBE STEEL USED FOR RAMPS & STAIRS SHALL CONFORM TO ASTM A513 GRADE MT1020 OR BETTER

STEEL FRAME BUILDING/STEEL FRAME CONSTRUCTION SHALL MEET THE MINIMUM DESIGN REQUIREMENTS OF STUD SPACING, ETC. PER LATEST EDITION OF 2016 CALIFORNIA BUILDING CODE. ALL WORK AND MATERIALS SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," AMERICAN INSTITUTE OF STEEL CONSTRUCTION: TITLE 24, CCR, AND UNIFORM BUILDING CODE. STRUCTURAL STEEL SHALL BE MADE EITHER THE OPEN-HEARTH OR ELECTRIC FURNACE PROCESS ONLY AND SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" ASTM DESIGNATION A36, CURRENT EDITION.

ROOF FRAMING, FLOOR FRAMING, AND WALL FRAMING SHALL BE PER MANUFACTURER'S PC PLANS AND PER APPLICABLE CODES.

ALL STRUCTURAL MEMBERS BELOW THE SUB-FLOOR, IE, GIRDERS, JOISTS, HEADERS, BLOCKING, SHALL BE STEEL. MINIMUM JOIST SPACING SHALL BE PER PLAN.

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AISC STANDARD SPECIFICATIONS, THE APPLICABLE REGULATORY AGENCY AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OR LIGHT GAUGE STEEL STRUCTURAL MEMBERS. WELDING: SHALL COMPLY WITH THE PERTINENT PROVISIONS OF THE APPLICABLE REGULATORY AGENCY. ALL WELDING SHALL BE DONE BY OPERATORS WHO ARE QUALIFIED AS PRESCRIBED IN THE "QUALIFICATION PROCEDURE" OF THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPE OF WORK REQUIRED.

STEEL SHALL BE COATED WITH ONE SHOP COAT OF MANUFACTURER'S STANDARD CHASSIS PAINT OR EQUAL.

BOLTS:

ALL COMMON BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.

STRUCTURAL WELDING: SPECIAL INSPECTOR REQUIRED

GENERAL: DURING THE WELDING OF ANY MEMBER OR CONNECTION THAT IS DESIGNED TO RESIST LOADS AND FORCES REQUIRED BY THIS CODE.

ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT/LBS AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

ALL STRUCTURAL WELDING SHALL BE BY "ELECTRIC ARC PROCESS" PER AWS STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. ALL LIGHT GAUGE STEEL (SHEET STEEL) SHALL BE WELDED PER AWS D1.3. ALL REINFORCING STEEL SHALL BE WELDED WITH LOW HYDROGEN RODS PER AWS D1.4, OR REINFORCING STEEL SHALL CONFORM TO ASTM A-706. ALL SHOP WELDED MUST BE PERFORMED BY "APPROVED" WELDERS IN A SHOP OF A LICENSED FABRICATOR. ALL FIELD WELDING SHALL BE PERFORMED BY "APPROVED" WELDERS. ELECTRODES SHALL BE E70XX FOR STRUCTURAL STEEL AND REBAR AND SHALL BE E60XX FOR LIGHT GAUGE STEEL. ★ (SEE OPTIONAL PROCESS)

THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS, PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATION OF WELDERS ARE VERIFIED PRIOR TO THE START OF WORK: PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO SHIPMENT OF SHOP WELDING.

a) FLOOR AND ROOF DECK WELDING.
b) WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEMS.
c) WELDED SHEET STEEL FOR COLD-FRAMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS WHICH ARE NOT PART OF AN ORDINARY MOMENT FRAME.
d) SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16".

MATERIAL SHALL BE IDENTIFIED BY MARKING OR STAMPING THE I.D. NUMBER ON STRUCTURAL STEEL COMPONENTS BY LICENSED FABRICATION SHOP.

ALL BUTT, BEVEL, GROOVE, VEE, U AND J WELDS SHALL BE PREQUALIFIED COMPLETE PENETRATION WELDS.

FILLER MATERIAL FOR WELDING: SHIELDED METAL-ARC: AWS A5.1 OR 15.5 E70XX ELECTRODES.

HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.

STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED BY SCRAPING OR WIRE BRUSHING AND SHOP PRIMED.

ALL STEEL WORK, INCLUDING WELD AND CONNECTIONS EXCEPT WHERE ENTIRELY ENCASED IN CONCRETE SHALL BE GIVEN ONE COAT OF ACCEPTABLE METAL PROTECTION WELL WORKED INTO JOINTS AND OPEN SPACES.

★ OPTIONAL USE OF: FCAW PROCESS: E71T-8 FOR STRUCTURAL/REBAR (MEETS ALL CHARPY REQUIREMENTS)
E71T-11 FOR METAL DECKING

COLD-FORMED STEEL FRAMING:

STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A-1011/A GRADE AS LISTED BELOW, SEE PLAN FOR MINIMUM YIELD.
MATERIAL THICKNESS 11GA OR LESS: ASTM A-1011/A GRADE 33 (UNO)
MATERIAL THICKNESS 10GA OR GREATER: ASTM A-1011/A GRADE 40

SHEET STEEL DESIGNATION (GAUGE)	MINIMUM DELIVERED THICKNESS (INCHES)
26	0.017
22	0.029
20	0.034
18	0.046
16	0.057
14	0.071
12	0.100
11	0.114
10	0.128

LIGHT GAUGE STEEL STUDS AND TRACKS SHALL COMPLY WITH ASTM A-1003 STRUCTURAL GRADE 33 TYPE H

ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATIONS".

BOLTS, SCREWS, ETC. EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED

MACHINE BOLTS USED SHALL CONFORM TO SPECIFICATIONS OF ASTM STANDARD A-307.

NTD:
(b) CJP GROOVE WELD NDT
ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16 in. (8mm) THICK OR GREATER. ULTRASONIC TESTING IN MATERIALS LESS THAN 5/16 in. (8 mm) THICK IS NOT REQUIRED. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS.

WOOD:

FRAMING: ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY AND SHALL BE OF THE FOLLOWING MINIMUM GRADES OR BETTER, PER WCLB RULES #16.
PLATES AND BLOCKING - STANDARD GRADE OR BETTER
STUDS AND HEADER = HF #2, OR DF #2, OR BETTER

SHEATHING:

AMERICAN PLYWOOD ASSOCIATION PS 1-07. EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL CONFORM TO THE REQUIREMENTS OF STANDARD GRADE GROUP 1 OR BETTER GRADE STAMPED AND IDENTIFIED UNDER THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

1. PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX BOTTOM BOARD FOR MOISTURE PROTECTION
2. OPTIONAL PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH APPROVAL FROM DSA
3. EXTERIOR WALL SIDING:
   i. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
   ii. OPTIONAL: 5/8" MDO
   iii. OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH
4. EXTERIOR WALL SIDING ATTACHMENT:
   FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC SECTION 2304.10.1.1

TREATED WOOD:

ALL WOOD INCLUDING WOOD SHEATHING IN CONTACT WITH CONCRETE OR MASONRY AND LOCATED LESS THAN 18" FROM EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL PER (CBC SECTION 2304.12.1.2).

1. ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
2. WOOD FASTENERS OTHER THAN SCREWS.
   ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, AND RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
3. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.10.5.1

CONTINUOUS INSPECTION:

PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.

IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT

METALS, STRUCTURAL, AND MISC. STEEL:

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SERVICES REQUIRED FOR STRUCTURES AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED IN THE DRAWINGS.

STEEL SHEETS: STEEL SHEETS FOR LIGHT GAUGE STEEL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-1011/A, GRADE 40 U.O.N. SHEET METAL GRAVEL STOPS AND FLASHINGS SHALL BE MINIMUM 0.030 THICKNESS AND SHALL BE GALVANIZED.

ERECTION:
ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.

SHOP PAINT:

* EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.
* NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER.
* ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL:

ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.

WOOD ROUGH CARPENTRY:

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE, SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORILY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.

DESCRIPTION OF WORK:
THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

WORKMANSHIP:
ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE, SHALL BE ACCURATE AS TO MEASUREMENT AND SHALL BE CAREFULLY DONE. PLYWOOD SHEATHING SUBFLOOR SHALL PROVIDE A SMOOTH UNIFORM SURFACE CAPABLE PROPERLY ACCEPTING A CARPET FINISH.

ROOF DIAPHRAGM:
3/4" T&G APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1
SPAN RATING 48/24 MIN.
FASTEN TO SHEET METAL SUPPORTS W/ #10 x 1 1/4" LG. SELF DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS AT 4" OC AT BOUNDARIES, 6" OC AT EDGES, AND 12" OC FIELD NAILS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

FLOOR DIAPHRAGM:
1 1/8" PLYWOOD - STURD-I-FLOOR
EXTERIOR - TONGUE AND GROOVE EDGES
SPAN RATING: 48"
FASTEN TO SHEET METAL SUPPORTS W/ #10 - 24 x 1 3/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR
STRENGTH: 3500 PSI or 4000 PSI
TYPE: I OR II
DENSITY: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:
2 x STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
USE: #10 - 24 x 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" O.C.

REFERENCE STANDARDS NOTES:

INTENT OF DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE STATE OF CALIFORNIA, CALIFORNIA CODE OF REGULATIONS, PART 1, 2, 3, 4, 5, 6, 9, AND 12, SUB-CHAPTER 1. CALIFORNIA BUILDING CODE, 2016 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 14TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD, (AITC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 12-L (SMACNA) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.

WORKMANSHIP:
WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATERTIGHT.

INSPECTIONS:
A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

CHANGES:
CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

NAILING NOTES:
1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
2. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

CONNECTION AND FASTENERS:
ALL CONNECTIONS AND FASTENERS AS STATED ON THESE DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT WITH ICC REPORTS AND APPROVAL BY DSA.

CONNECTION OF LAG SCREWS:
AS REQUIRED PER ANSI / AF&FA NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH. DO NOT DRIVE IN WITH A HAMMER. OVER-TORQUING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

FASTENING SCHEDULE CBC - TABLE 2304.10.1

CONNECTION	FASTENING[a,m]	LOCATION
1. JOIST TO SILL OR GIRDER	3 - 8d COMMON 3 - 3" x 0.131" NAILS	TOENAIL
2. BRIDGING TO JOIST	2 - 8d COMMON (2 ½" x .131") 2 - 3" x 0.31" NAILS	TOENAIL EACH END
3. 1" x 6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8d COMMON (2 ½" x .131")	FACE NAIL
4. WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST	3 - 8d COMMON (2 ½" x .131")	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2 - 16d COMMON	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING	16d(3 ½" x .135") AT 16" O.C. 3"x0.131" NAILS AT 8" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLKING AT BRACED WALL PANEL	3 - 16d(3 ½" x .135") AT 16" O.C. 4 - 3"x0.131" NAILS AT 16" O.C.	BRACED WALL PANELS
7. TOP PLATE TO STUD	2 - 16d COMMON (3 ½" x 0.162") 3 - 3"x0.031" NAILS	END NAIL
8. STUD TO SOLE PLATE	4 - 8d COMMON (2 ½"x0.131") 4 - 3"x0.131" NAILS	TOENAIL
	2 - 16d COMMON (3 ½"x0.162") 3 - 3"x0.131" NAILS	END NAIL
9. DOUBLE STUDS	16d (3 ½"x0.135") AT 24" O.C. 3"x0.131" NAILS AT 12" O.C.	FACE NAIL
10. DOUBLE TOP PLATES	16d (3 ½"x0.135") AT 16" O.C. 3"x0.131" NAILS AT 12" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	8 - 16d COMMON (3 ½"x0.162") 12 - 3"x0.131" NAILS	LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d COMMON (2 ½"x0.131") 3 - 3"x0.131" NAILS	TOENAIL
12. RIM JOIST TO TOP PLATE	8d (2 ½"x0.131") AT 6" O.C. 3"x0.131" NAIL AT 6" O.C.	TOENAIL
13. TOP PLATES, LAPS, AND INTERSECTIONS	2 - 16d COMMON (3 ½"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3 ½"x0.162")	16" OC ALONG EDGE
15. CEILING JOISTS TO PLATE	3 - 8d COMMON (2 ½"x0.131") 5 - 3"x0.131" NAILS	TOENAIL
16. CONTINUOUS HEADER TO STUD	4 - 8d COMMON (2 ½"x0.131")	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 ½"x0.162") MIN TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 ½"x0.162") MIN TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL
19. RAFTER TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1	3 - 8d COMMON (2 ½"x0.131") 3 - 3"x0.131" NAILS	FACE NAIL
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d COMMON (2 ½"x0.131") 2 - 3"x0.131" NAILS	FACE NAIL
21. 1" x 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 ½"x0.131")	FACE NAIL
22. WIDER THAN 1" x 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 ½"x0.131")	FACE NAIL
23. BUILT-UP CORNER STUDS	16d COMMON (3 ½"x0.162") 3"x0.131" NAILS	24" O.C. 16" O.C.
24. BUILT-UP GIRDER AND BEAMS	20d COMMON (4"x0.192")32" O.C 3"x0.131" NAIL AT 24" O.C	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	2 - 20d COMMON (4" x0.192") 3 - 3"x0.131" NAILS	FACE NAIL AT ENDS AND AT EACH SPLICE
25. 2" PLANKS	16d COMMON (3 ½"x0.162")	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	FACE NAIL
27. JACK RAFTER TO HIP	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	TOE NAIL
	2 - 16d COMMON (3 ½"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
28. ROOF RAFTERS TO 2-BY RIDGE BEAM	2 - 16d COMMON (3 ½"x0.162") 3 - 3"x0.131" NAILS	TOE NAIL
	2 - 16d COMMON (3 ½"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
29. JOIST TO BAND JOIST	3 - 16d COMMON (3 ½"x0.162") 4 - 3"x0.131" NAILS	FACE NAIL
30. LEDGER STRIP	3 - 16d COMMON (3 ½"x0.162") 4 - 3"x0.131" NAILS	FACE NAIL AT EACH JOIST
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD[b] SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	1/2" AND LESS 6d[c,l] 2 ⅜"x0.113" NAIL[n] 1 ¾" 16d GAGE[o] 19/32" TO 3/4" 8d[d] or 6d[e] 2 ⅜"x0.113" NAIL 2" 16d GAGE[p] 7/8" TO 1" 8d[c] 1 1/8" TO 1 1/4" 10d[d] or 8d[e]	
SINGLE FLOOR (COMBINATION SUBFLOOR-UNDERLAYMENT TO FRAMING)	3/4" AND LESS 6d[e] 7/8" TO 1" 8d[e] 1 1/8" TO 1 1/4" 10d[d] OR 8d[e]	
32. PANEL SIDING (TO FRAMING)	1/2" AND LESS 6d[f] 5/8" 8d[f]	
33. FIBERBOARD SHEATHING[g]	1/2" NO. 11 GA ROOFING NAIL[h] 6d COMMON NAIL (2"x0.113") 25/32" NO. 11 GA ROOFING NAIL[h] 8d COMMON NAIL (2 ½"x 0.131")	
34. INTERIOR PANELING	1/4" 4d[j] 3/8" 6d[k]	

FOOTNOTES:
a. COMMON OR BOX NAILS ARE PERMITTED TO BE USED EXCEPT WHERE OTHERWISE STATED.
b. NAILS SPACED AT 6" ON CENTER AT EDGES, 12" AT INTERMEDIATE SUPPORTS EXCEPT 6" AT SUPPORTS WHERE SPANS ARE 48" OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX, OR CASING.
c. COMMON OR DEFORMED SHANK (6d - 2" x 0.113" ; 8d - 2 1/2" x 0.131" ; 10d - 3" x 0.148").
d. COMMON (6d - 2" x 0.113" ; 8d - 2 1/2" x 0.131" ; 10d - 3" x 0.148").
e. DEFORMED SHANK (6d - 2" x 0.113" ; 8d - 2 1/2" x 0.131" ; 10d - 3" x 0.148").
f. CORROSION-RESISTANT SIDING (6d - 1 7/8" x 0.106" ; 8d - 2 3/8" x 0.128") OR CASING (6d - 2" x 0.099" ; 8d - 2 1/2" x 0.113") NAIL.
g. FASTENERS SPACED 3" ON CENTER AT EXTERIOR EDGES AND 6" ON CENTER AT INTERMEDIATE SUPPORTS, WHEN USED AS STRUCTURAL SHEATHING. SPACING SHALL BE 6" ON CENTER ON THE EDGES AND 12" ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS.
h. CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR 25/32" SHEATHING.
i. CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING. PANEL SUPPORTS AT 16" (20" IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED). STAPLES ARE NOT PERMITTED FOR WOOD SHEAR WALLS AND DIAPHRAGMS (2305.1.2-4).
j. CASING (1 1/2" x 0.080") OR FINISH (1 1/2" x 0.072") NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.
k. PANEL SUPPORTS AT 24". CASING OR FINISH NAILS SPACED 6" ON PANEL EDGES, 12" AT INTERMEDIATE SUPPORTS.
l. FOR ROOF SHEATHING APPLICATIONS, 8d NAILS (2 1/2" x 0.113") ARE THE MINIMUM REQUIRED FOR WOOD STRUCTURAL PANELS.
m. STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16". STAPLES ARE NOT PERMITTED FOR WOOD SHEAR WALLS AND DIAPHRAGMS (2305.1.2-4).
n. FOR ROOF SHEATHING APPLICATIONS, FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS.
o. FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS FOR SUBFLOOR AND WALL SHEATHING AND 3" ON CENTER AT EDGES, 6" AT INTERMEDIATE SUPPORTS FOR ROOF SHEATHING.
p. FASTENERS SPACED 4" ON CENTER AT EDGES, 8" AT INTERMEDIATE SUPPORTS.

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
STRUCTURAL SPECIFICATIONS

STOCKPILE PROFESSIONAL
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS FLS SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

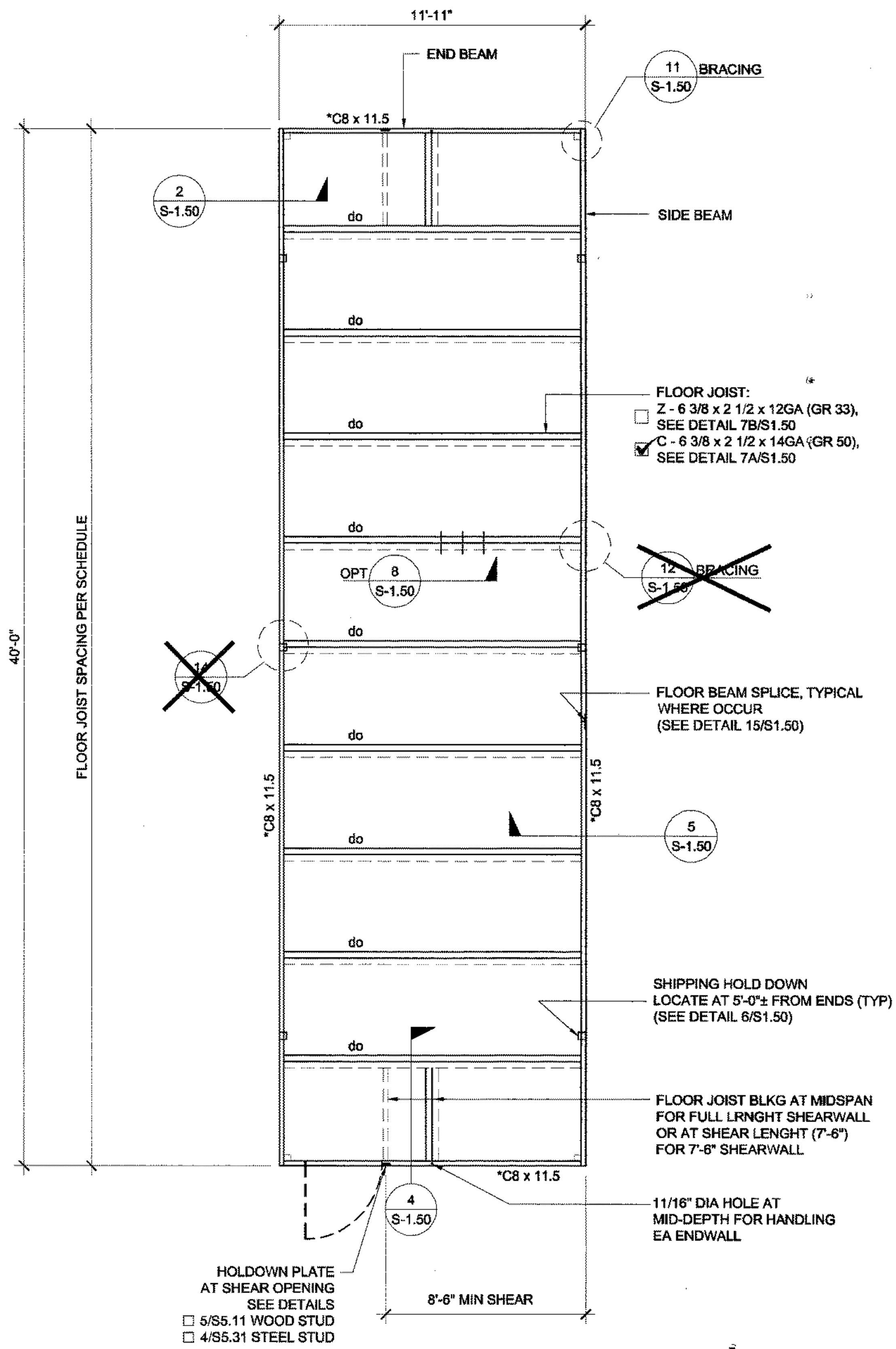
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

REVISIONS
1
2
3
4
5
6
7
8

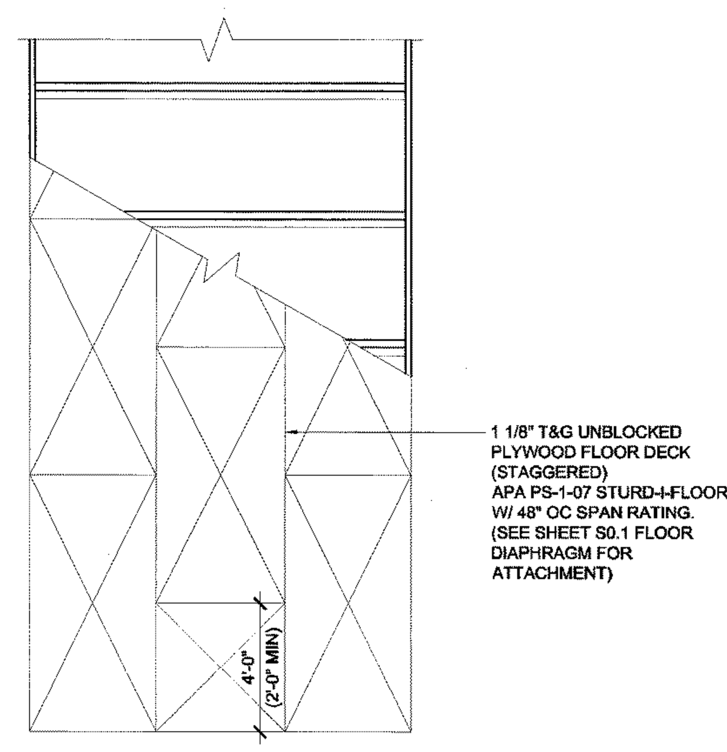
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
S-0.1



* NOTE:
FLOOR BEAMS MAY VARY, SEE COLUMN SCHEDULE SHEET S-3.01 THRU S-3.04



FLOOR FRAMING PLAN

SCALE: 1/4" = 1'-0" | 1

NOTES:

1. FOR FLOOR BLOCKING SEE DETAILS 4,7B / S-1.50 (STD), 4,7A / S-1.50 (ALT)
2. FOR BUILDINGS ON WOOD FOUNDATION SYSTEMS, PROVIDE 11/16" DIA. HOLE AT BOTTOM FLANGE OF FLOOR BEAM FOR LAG SCREW ATTACHMENT TO FOUNDATION PLATES BELOW. FOR EXACT HOLE LOCATIONS, SEE FOUNDATION PLAN.
3. FLOOR SHEATHING SHALL BE PRESSURE TREATED WOOD OR NATURALLY DURABLE IF BOTTOM OF WOOD IS LESS THAN 18" CLEAR FROM EXPOSED EARTH.
4. HSS COLUMN SCHEDULES ON SHEETS S-3.01 THRU S-3.04

FLOOR JOIST TABLE

	LIVE LOAD PSF	JOIST SPACING
☐	50	48"
☐	50	32"
☐	50	24"
☐	50	16"
☑	50 + 15	32"
☐	50 + 15	24"
☐	50 + 15	16"
☐	100	24"
☐	100	16"
☐	150	16"

FLOOR SHEATHING

☐ PRESSURE TREATED
☑ NON-PRESSURE TREATED

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
FLOOR FRAMING PLAN
WOOD FLOOR

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
STRUCTURAL
STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLING
2475
STRUCTURAL
STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS — SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS
1
2
3
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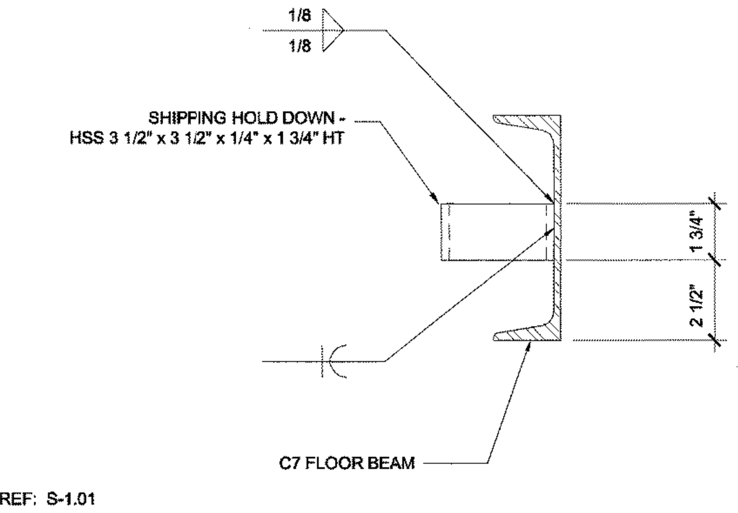
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

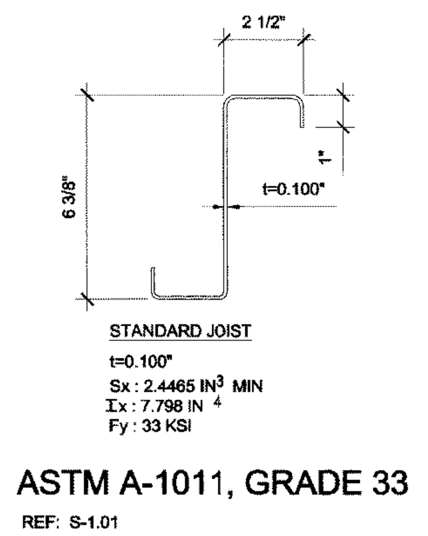
P.C. SHEET NUMBER
S-1.01

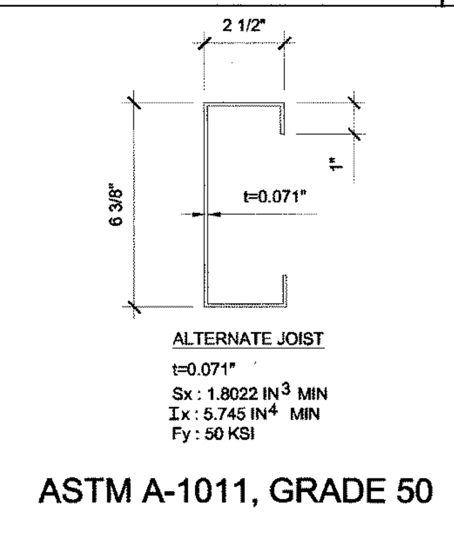


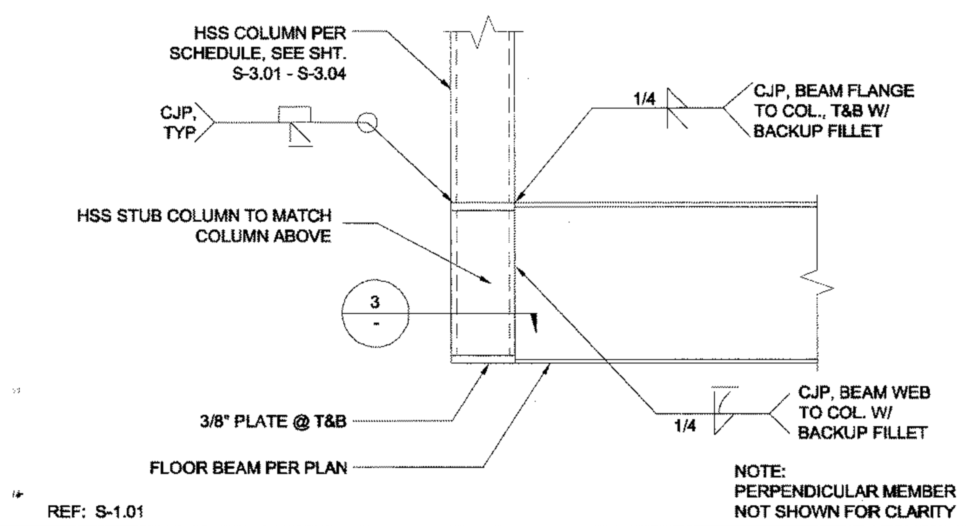
16 NOT USED

11 SHIPPING HOLD DOWN DETAIL SCALE : 3"=1'-0" 6

1





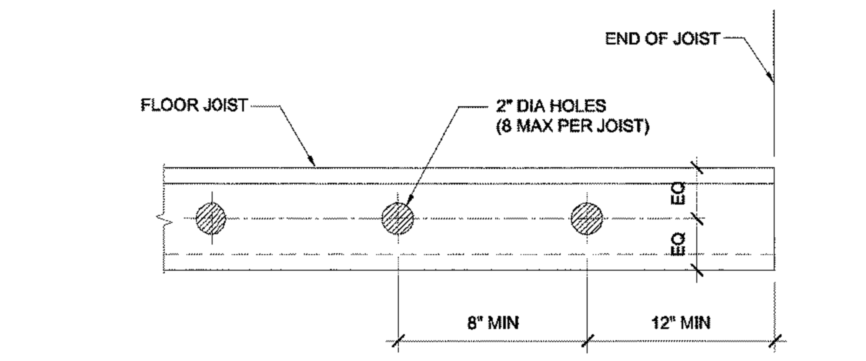


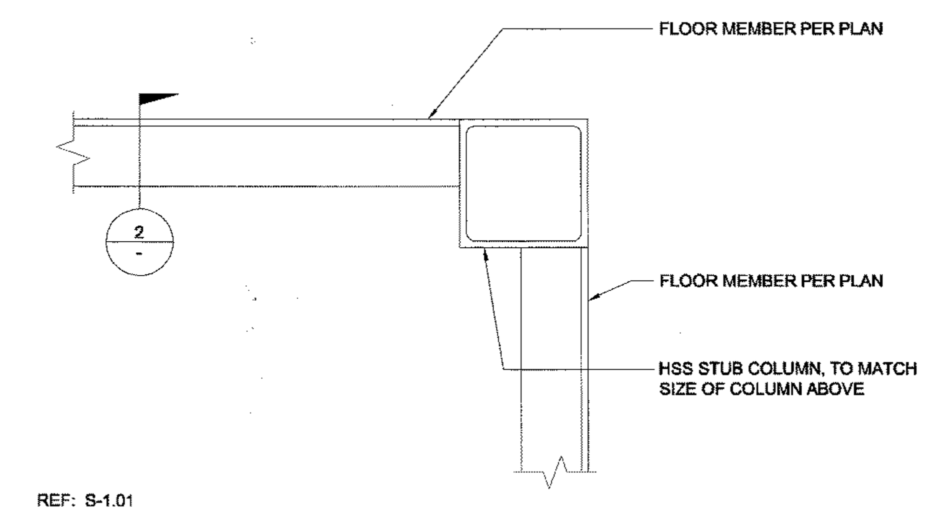
17 NOT USED

12 FLOOR JOIST SCALE : 3" = 1'-0" 7B

FLOOR JOIST SCALE : 3" = 1'-0" 7A

FLOOR BEAM TO COLUMN CONNECTION SCALE : 1 1/2" = 1'-0" 2

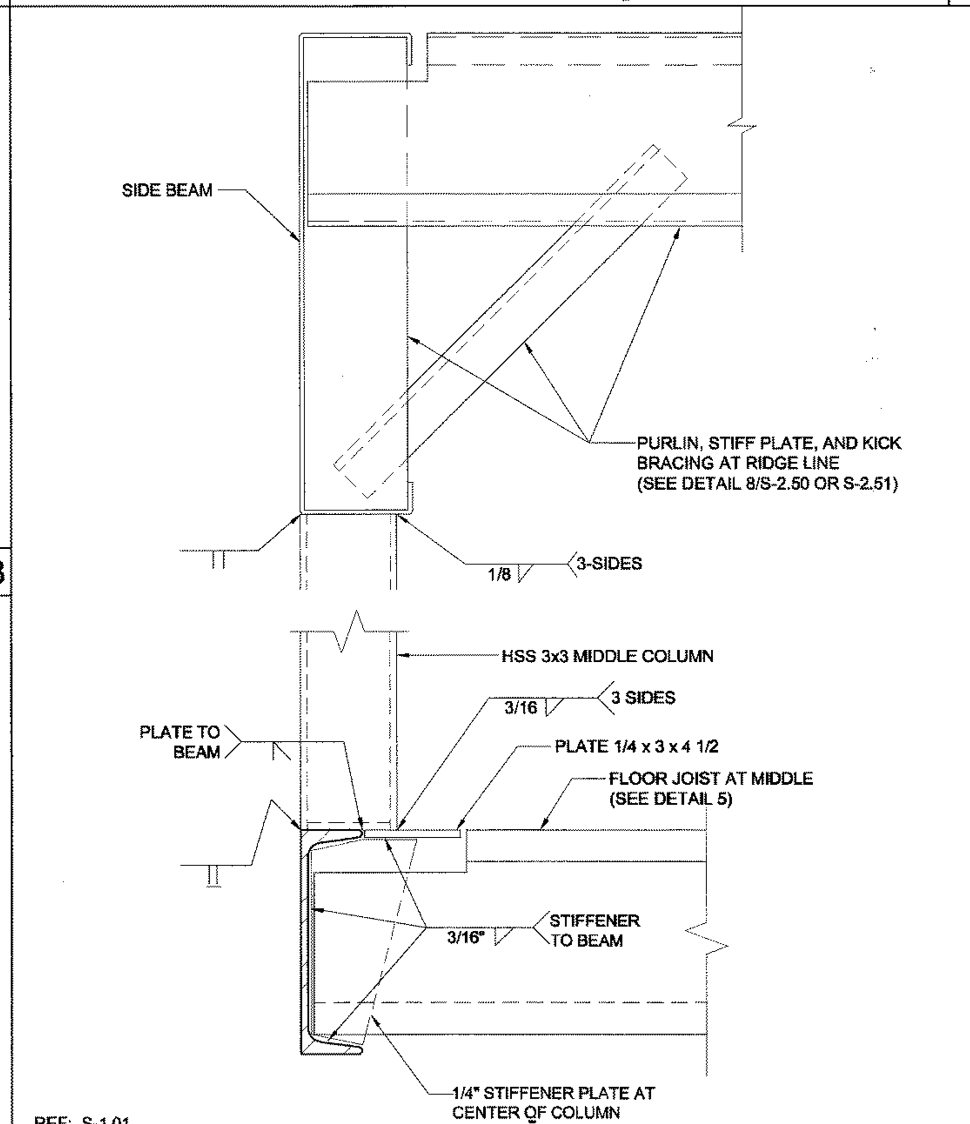


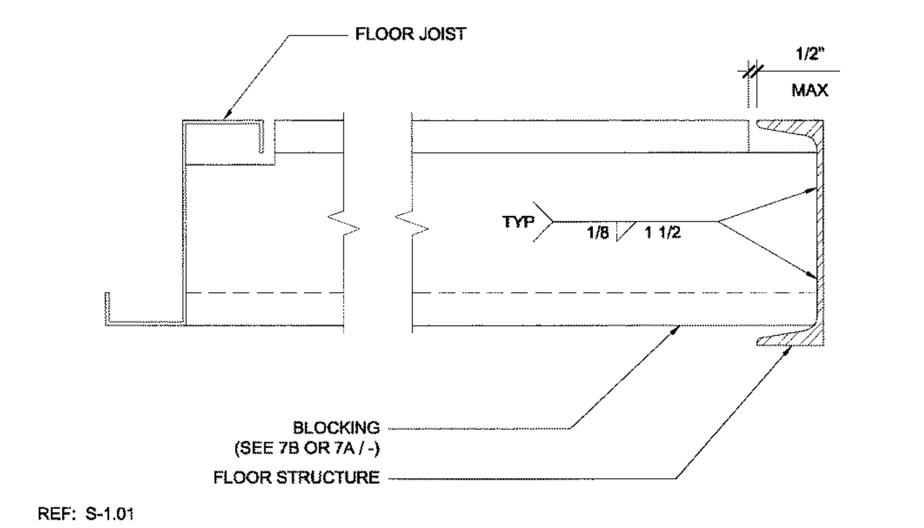


18

FLOOR JOIST HOLES (OPTIONAL) SCALE : 1/8" = 1'-0" 8

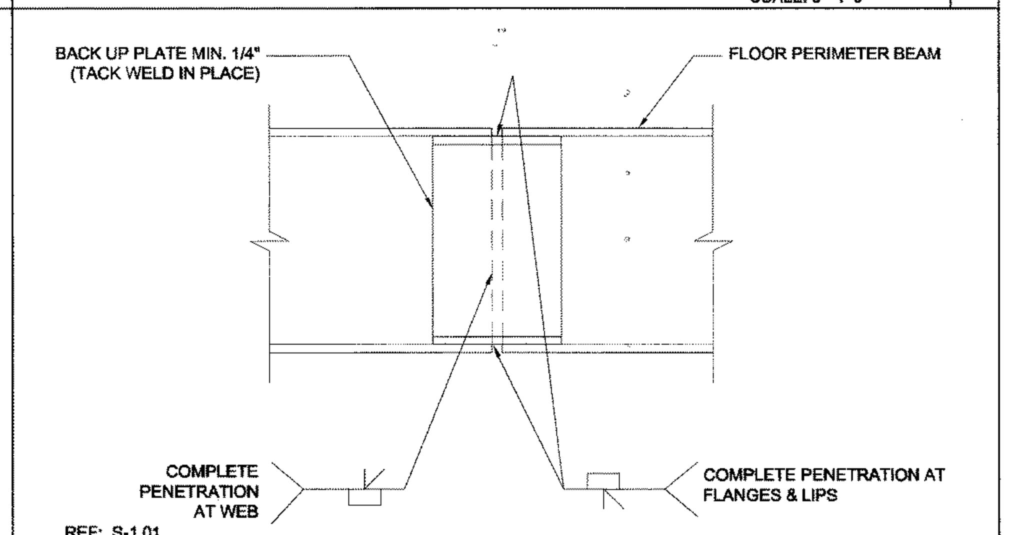
CORNER CONNECTION SCALE : 3" = 1'-0" 3

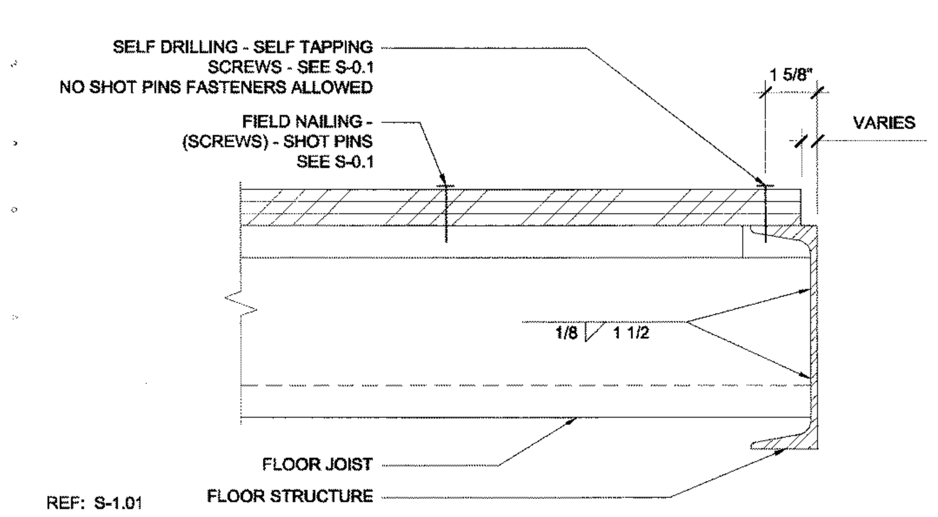




19 INTERIOR COLUMN AT FLOOR BEAM SCALE: 3"=1'-0" 14

BLOCKING TO END BEAM SCALE : 3" = 1'-0" 4





20 FLOOR BEAM SPLICE SCALE : 3" = 1'-0" 15

NOT USED 10

JOIST TO SIDE BEAM SCALE : 3" = 1'-0" 5

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

FLOOR FRAMING DETAILS
WOOD FLOOR

STOCKPILE PROFESSIONAL

12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS — SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
FILE NUMBER: 53-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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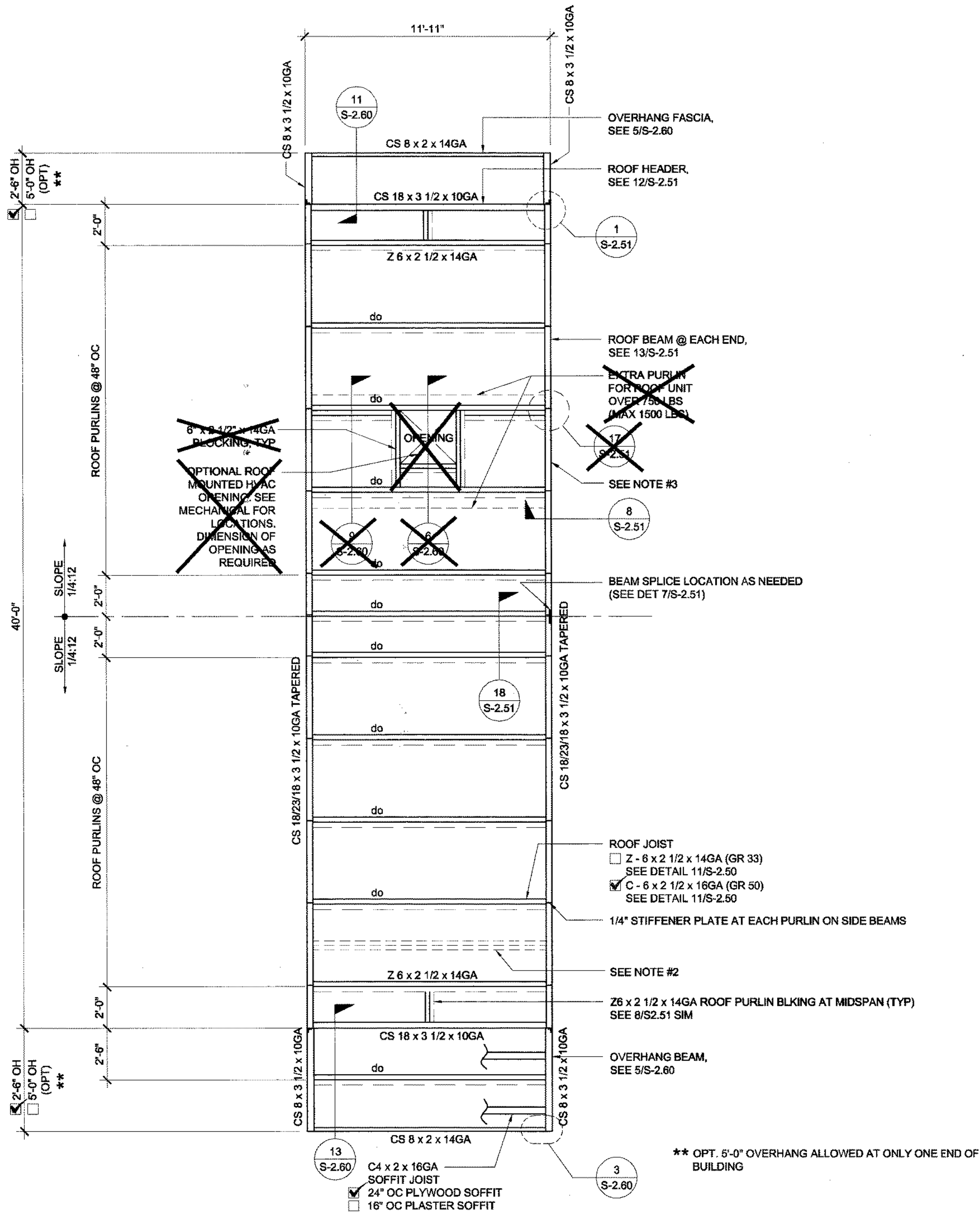
SILVER CREEK INDUSTRIES
12' x 40' PC

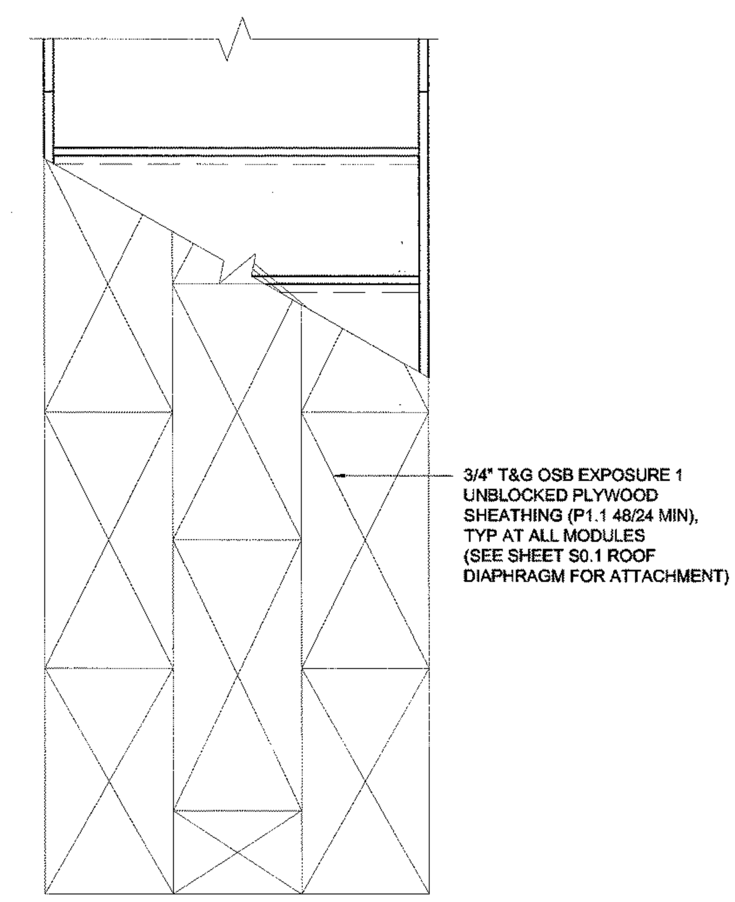
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017

P.C. SHEET NUMBER

S-1.50

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020





ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0" 1

NOTES

1. FOR WALL MOUNTED HVAC UNIT, PROVIDE OPENING THROUGH REAR ROOF HEADER WHERE IT OCCURS. SEE FLOOR PLAN FOR HVAC LOCATION.
   SEE 5,15 / S-2.50 OR 5,15 / S-2.51 FOR DETAILS.
2. OPTIONAL PURLIN FOR FIRE SPRINKLER LINE AS NEEDED. LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE STIFFENER PLATE OR ANGLE BRACE REQUIRED AT THIS LOCATION. FOR FIRE SPRINKLER LINE SIDE BEAM PENETRATION, SEE 14 / S2.50 OR 14 / S2.51 DETAILS
3. FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2.50 OR 10, 15/S-2.51 FOR DETAILS.

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

ROOF FRAMING PLAN
0.018", OR TPO ROOF
DUAL SLOPE

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLIN
2975
STRUCTURAL
STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
JOHN W STARLIN
STRUCTURAL
STATE OF CALIFORNIA
12/12/2018

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AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

REVISIONS
1
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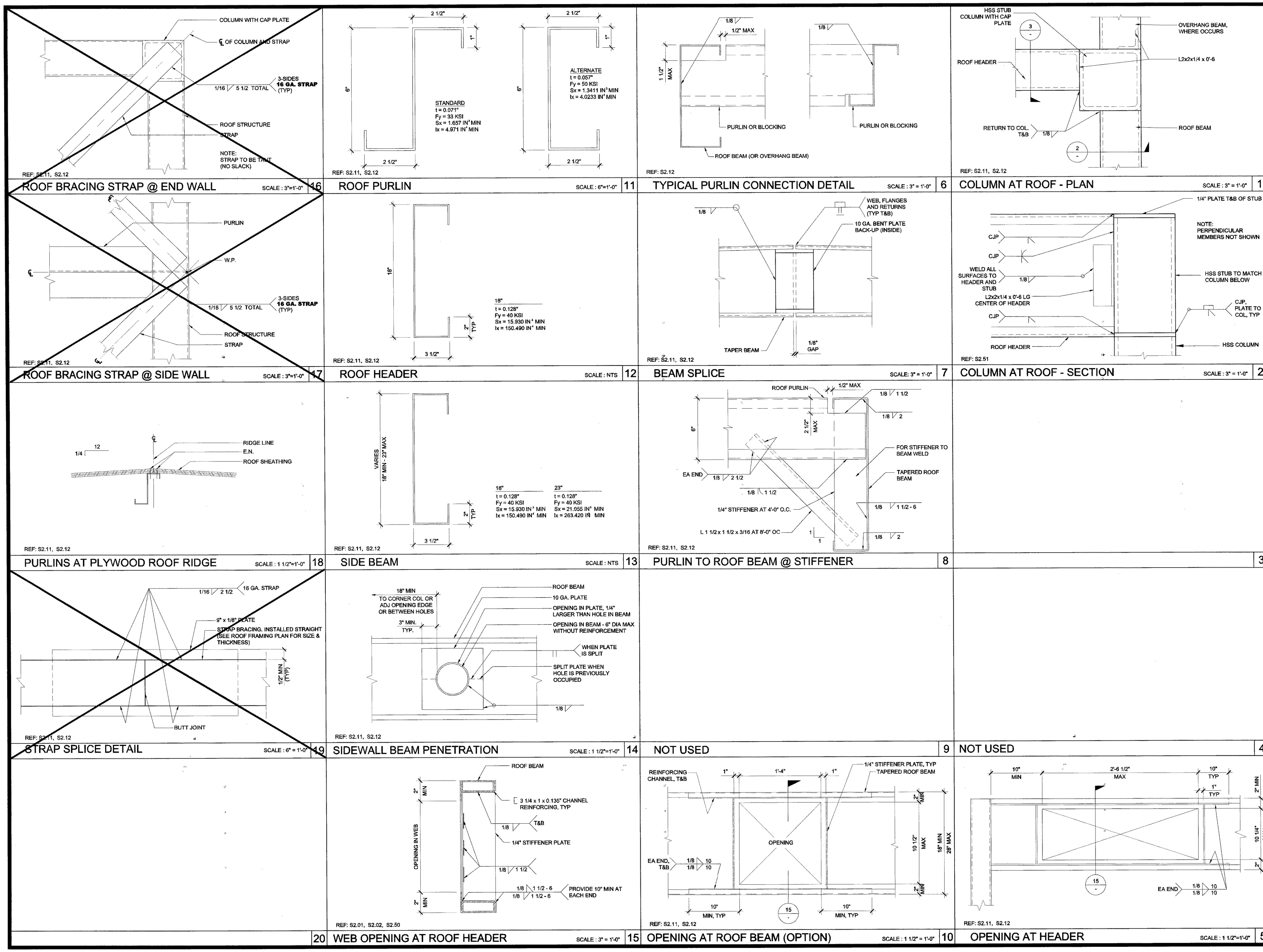
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

S-2.11



SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

ROOF FRAMING DETAILS
DUAL SLOPE

STOCKPILE PROFESSIONAL

12/12/2018

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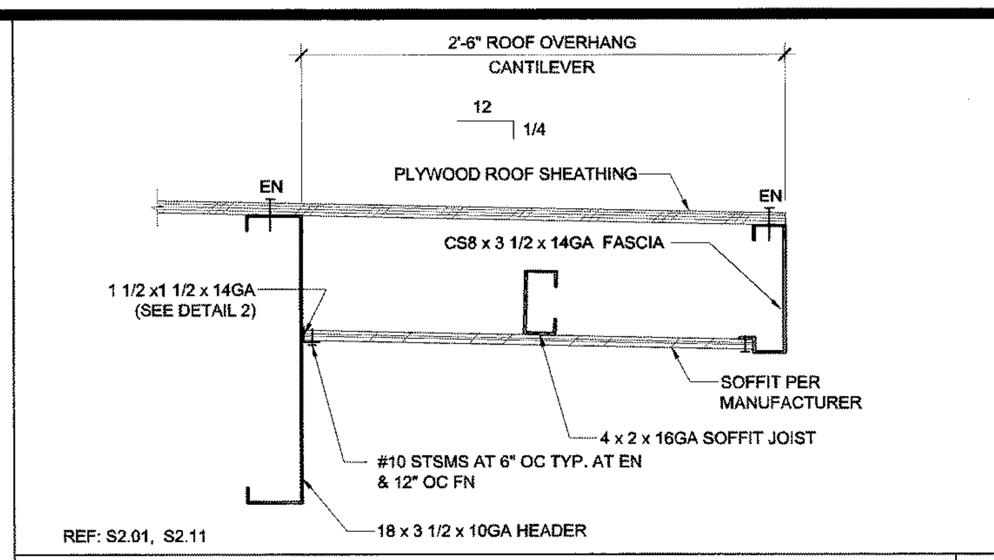
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

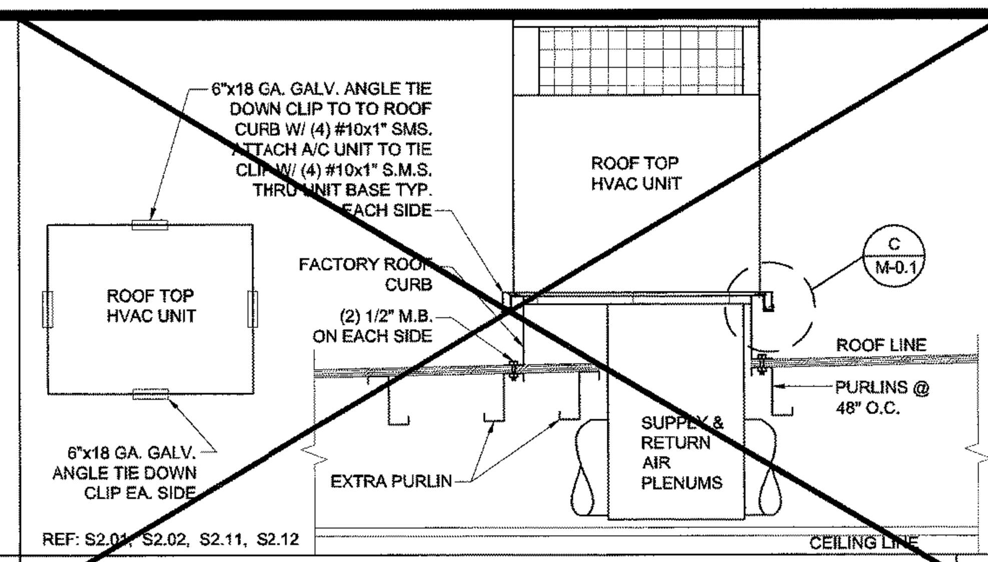
P.C. SHEET NUMBER

S-2.51

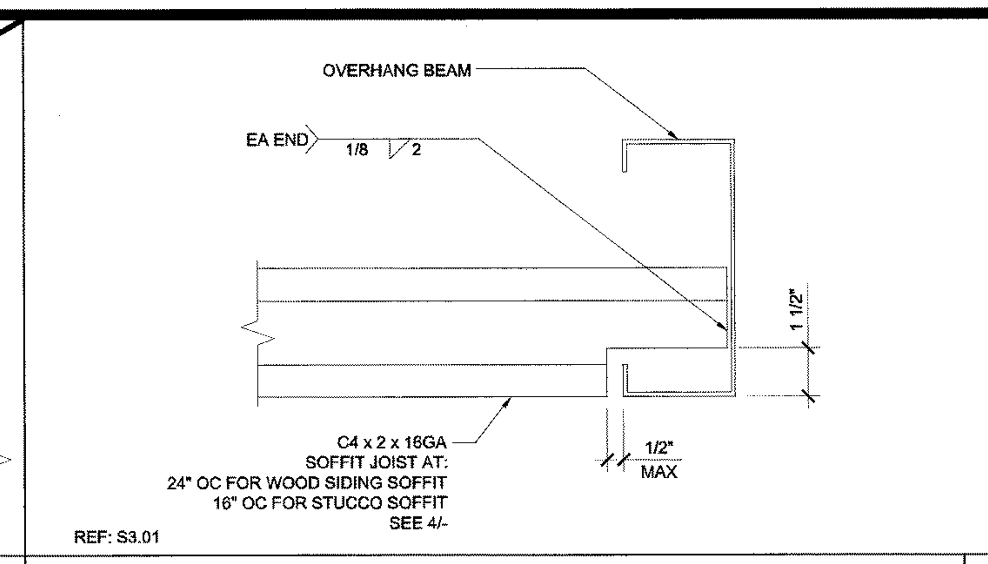
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



REAR OVERHANG SECTION — SCALE : 1 1/2" = 1'-0" — 11

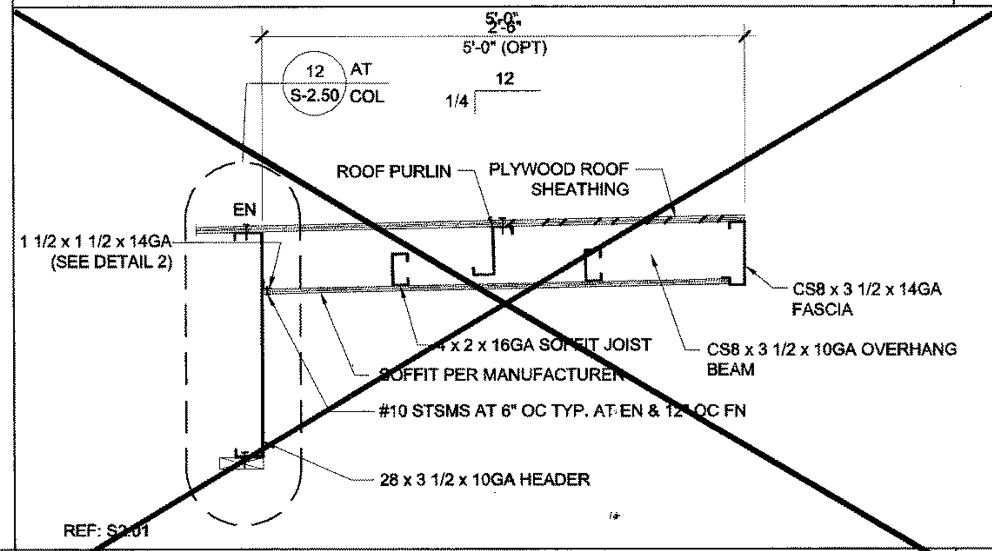


HVAC CURB ATTACHMENT — SCALE : 3/4" = 1'-0" — 6

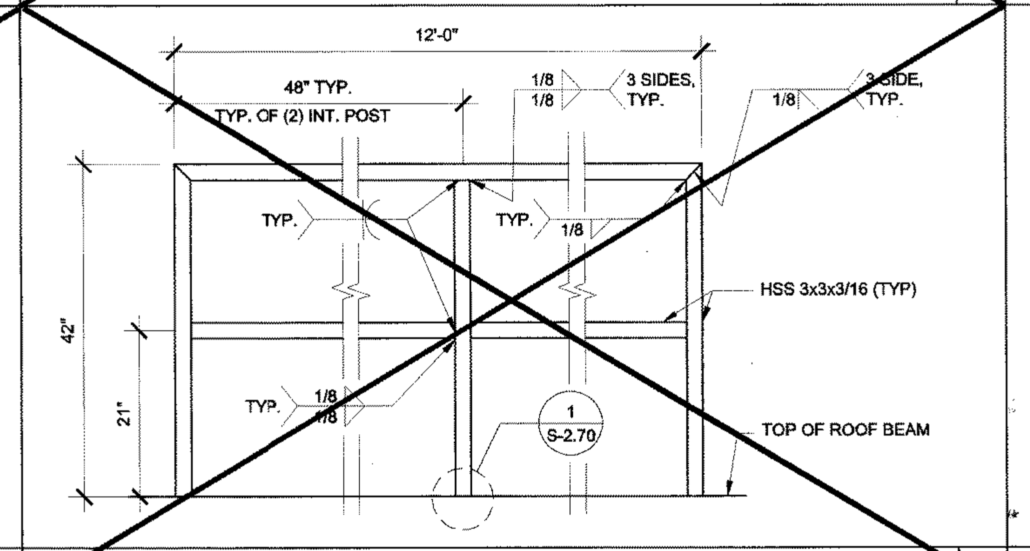


SOFFIT JOIST TO OVERHANG BEAM — SCALE : 3"=1'-0" — 1

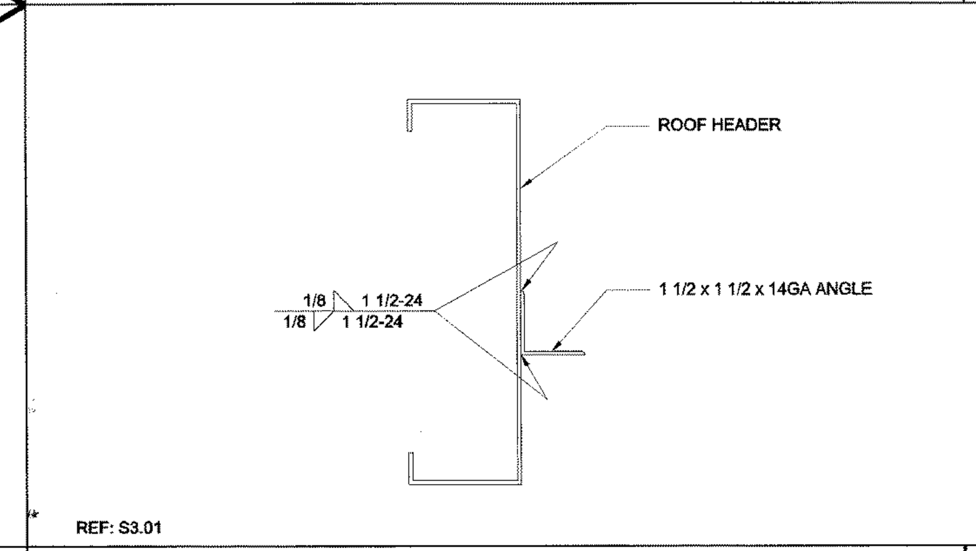
16



FRONT OVERHANG SECTION - MONO SLOPE — SCALE: 3/4" = 1'-0" — 12

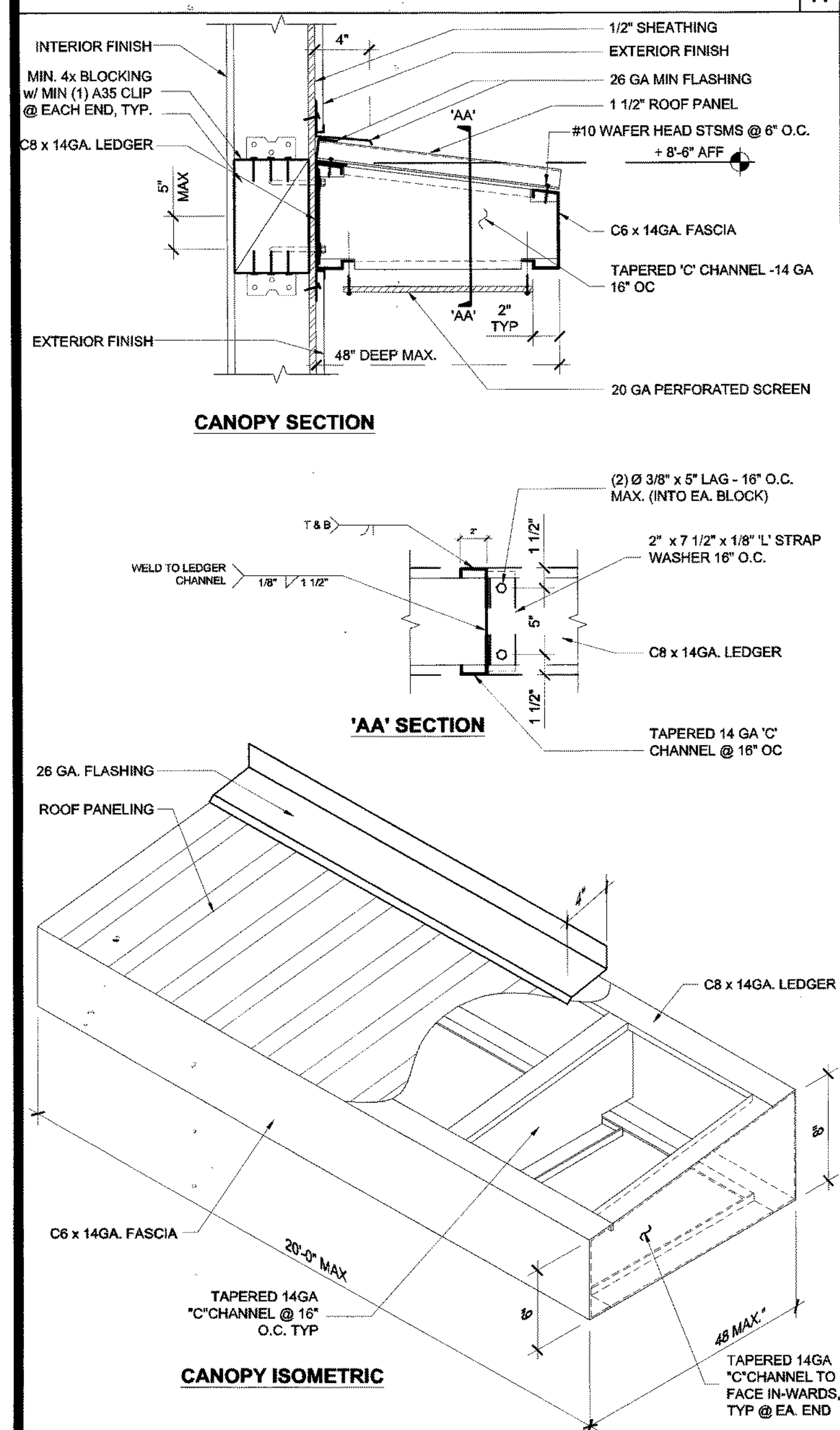


GUARDRAIL AT SIDEWALL — SCALE : 3/4"=1'-0" — 7

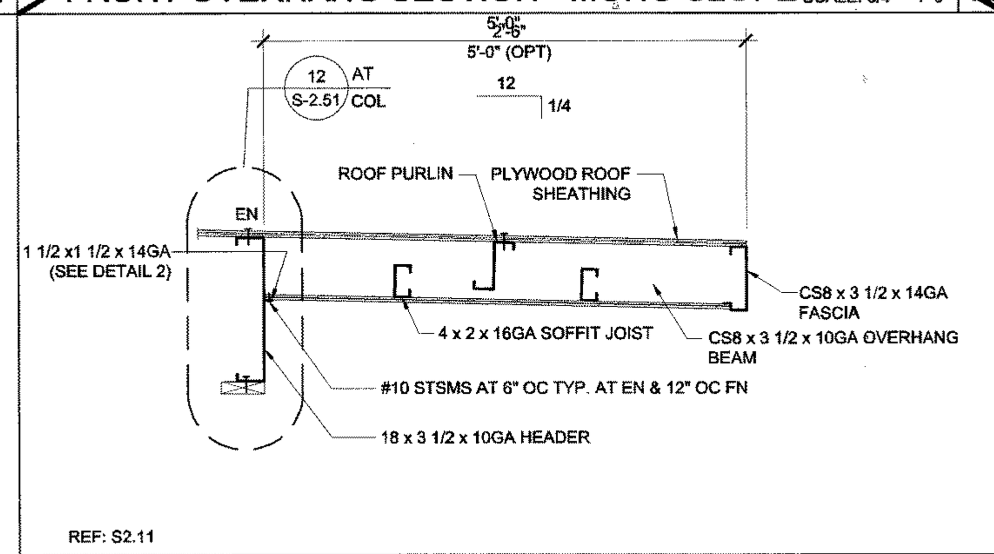


SOFFIT ANGLE TO HEADER CONNECTION — SCALE : 3"=1'-0" — 2

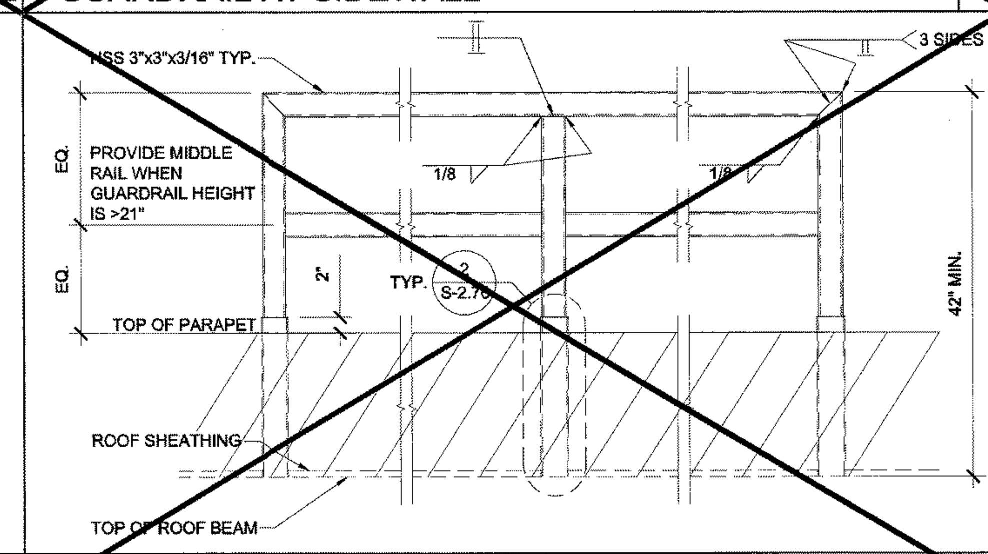
17



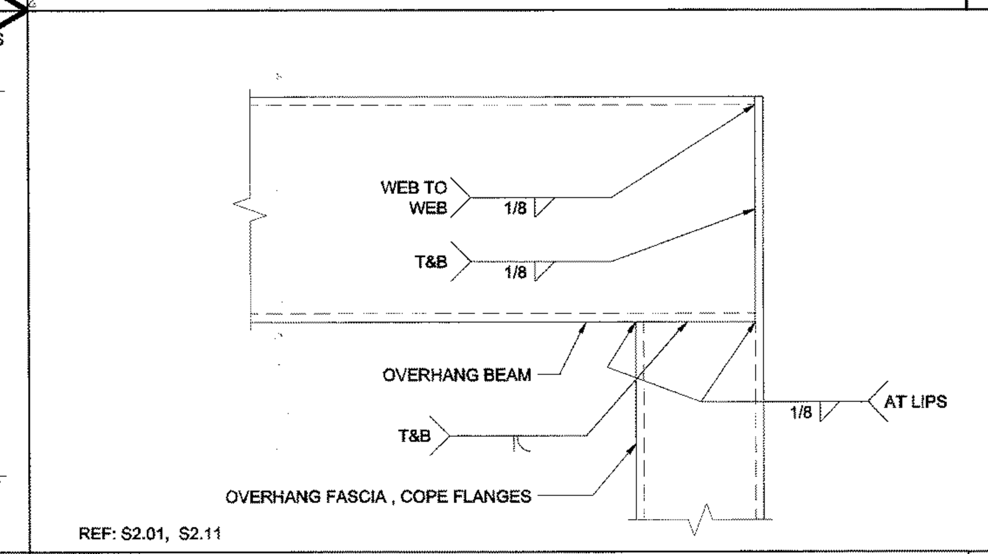
OPTIONAL CANOPY — SCALE : 1 1/2" = 1'-0" — 20



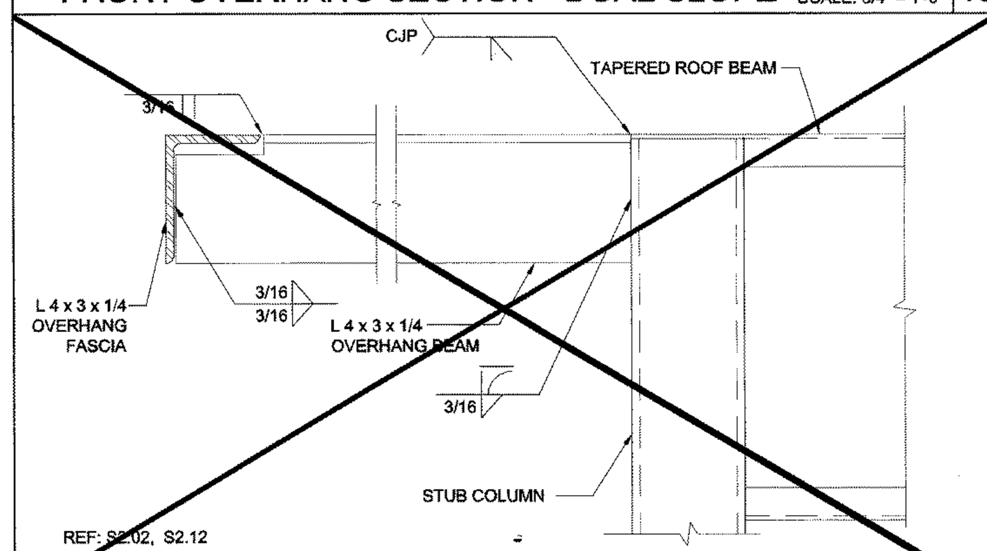
FRONT OVERHANG SECTION - DUAL SLOPE — SCALE: 3/4" = 1'-0" — 13



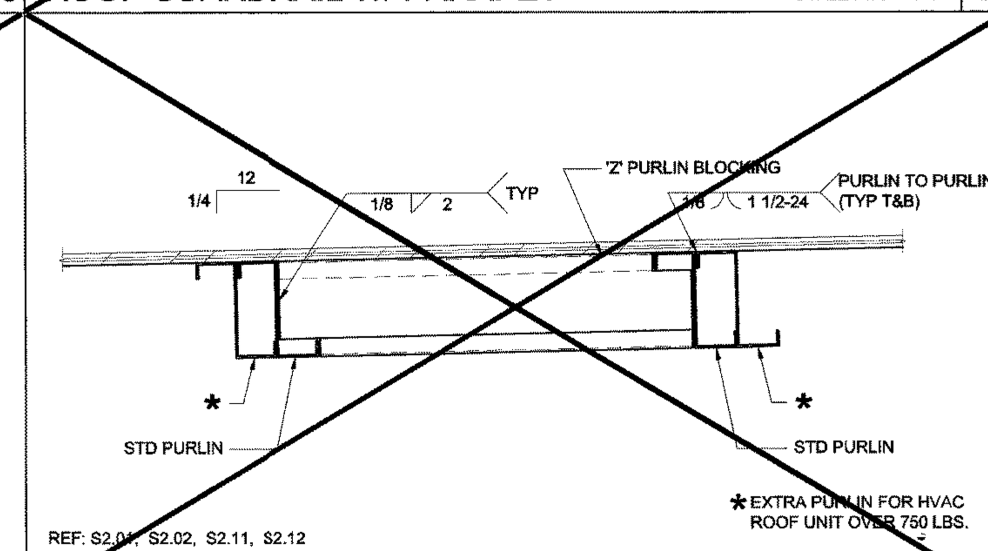
ROOF GUARDRAIL W/ PARAPET — SCALE : 3/4" = 1'-0" — 8



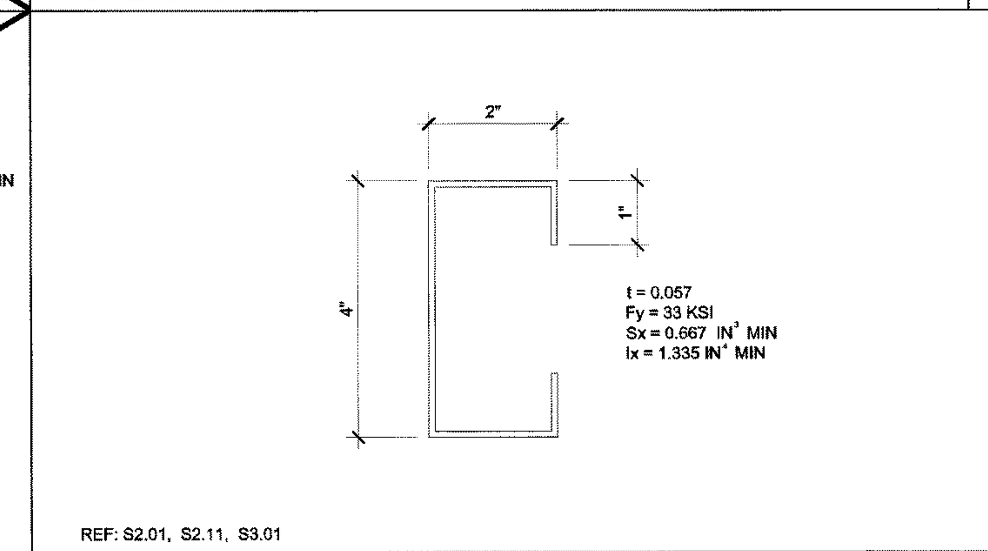
OVERHANG FASCIA TO BEAM CONNECTION — SCALE : 6"=1'-0" — 3



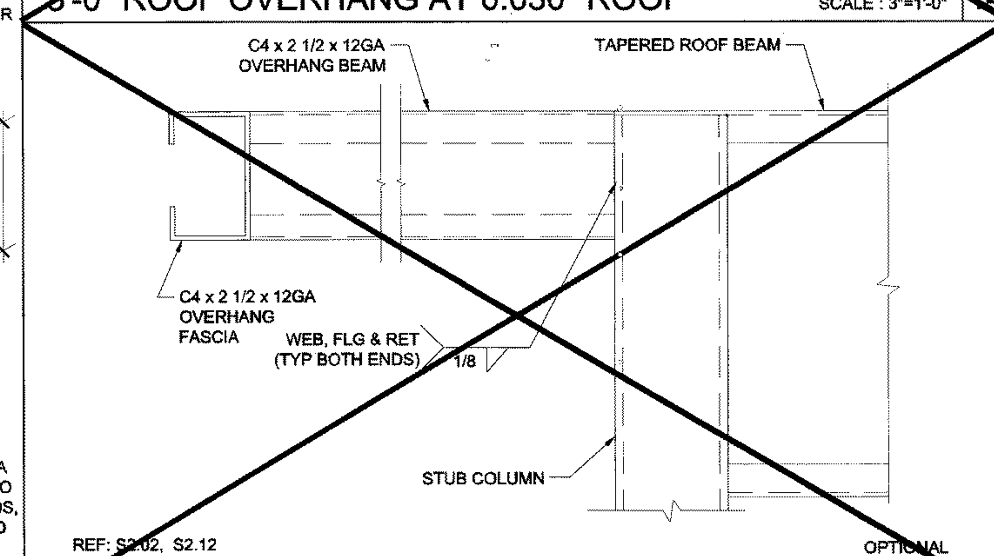
5'-0" ROOF OVERHANG AT 0.030" ROOF — SCALE : 3"=1'-0" — 14



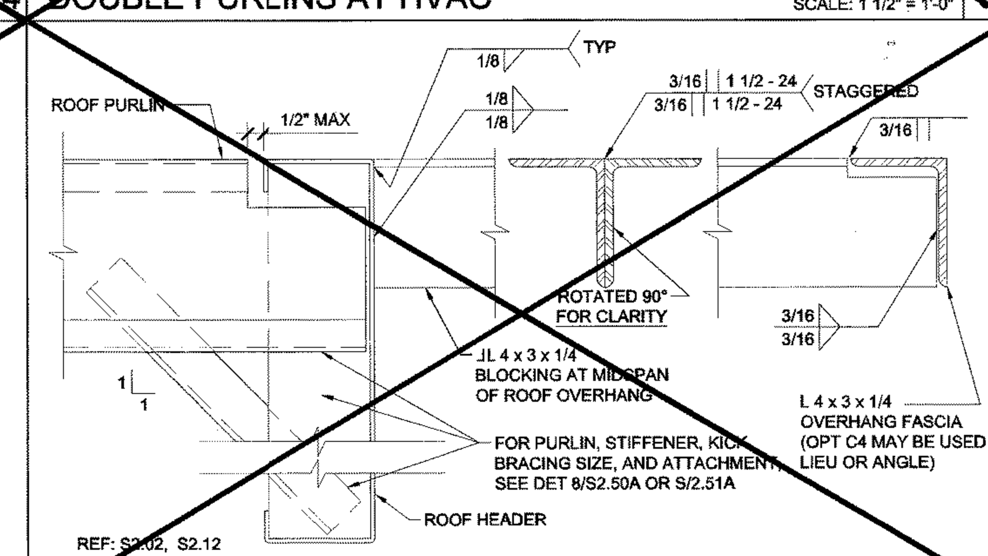
DOUBLE PURLINS AT HVAC — SCALE 1 1/2" = 1'-0" — 9



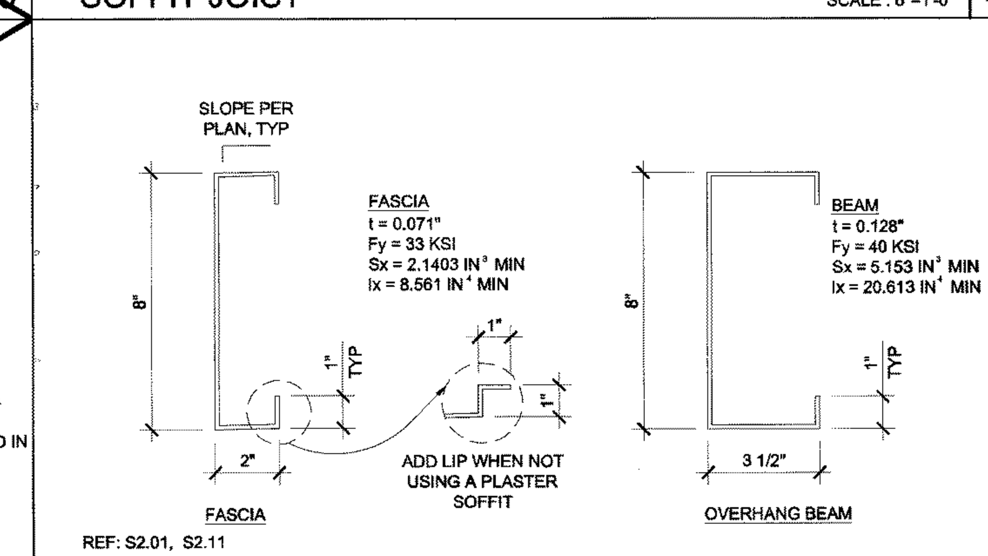
SOFFIT JOIST — SCALE : 6"=1'-0" — 4



5'-0" ROOF OVERHANG AT 0.030" ROOF — SCALE : 3" = 1'-0" — 15



OVERHANG SUPPORT TO ROOF HDR @ STIFFENER — SCALE : 3"=1'-0" — 10



OVERHANG FASCIA & BEAM — SCALE : 3"=1'-0" — 5

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
ROOF FRAMING DETAILS

REGISTERED PROFESSIONAL ENGINEER JOHN W STARR STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER JOHN W STARR STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
04 118031
ACS FLS SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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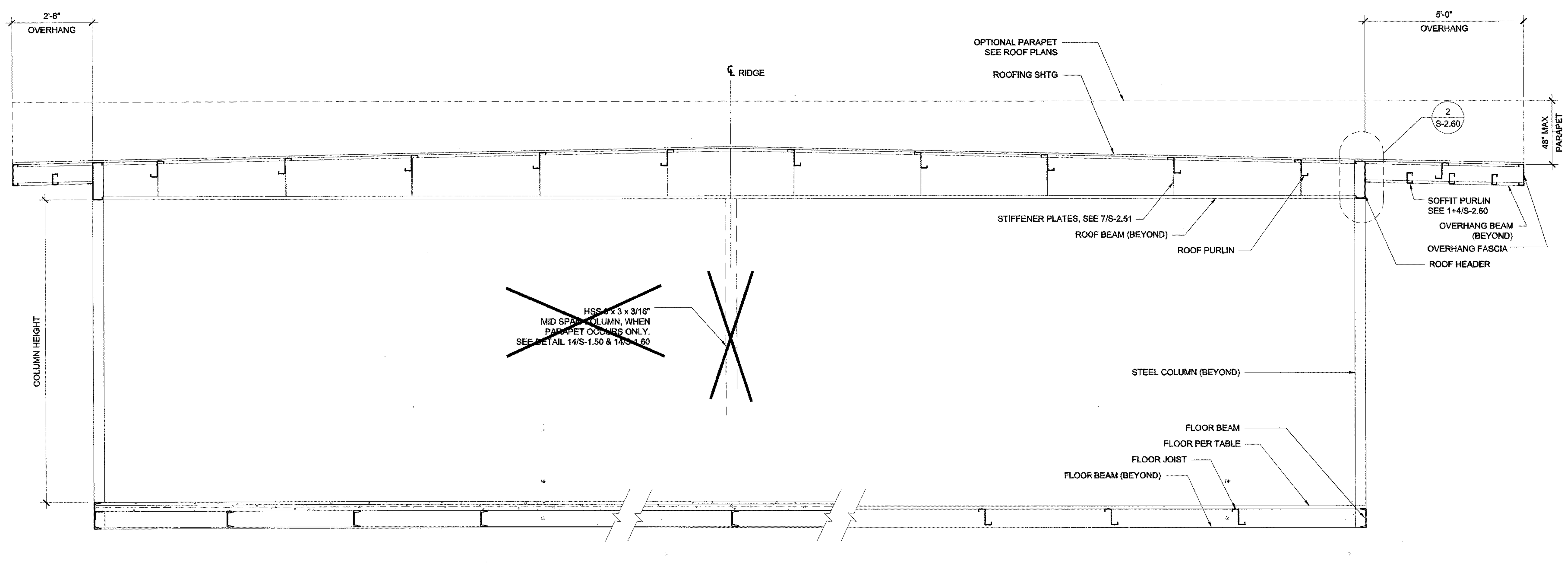
SILVER CREEK INDUSTRIES
12' x 40' PC

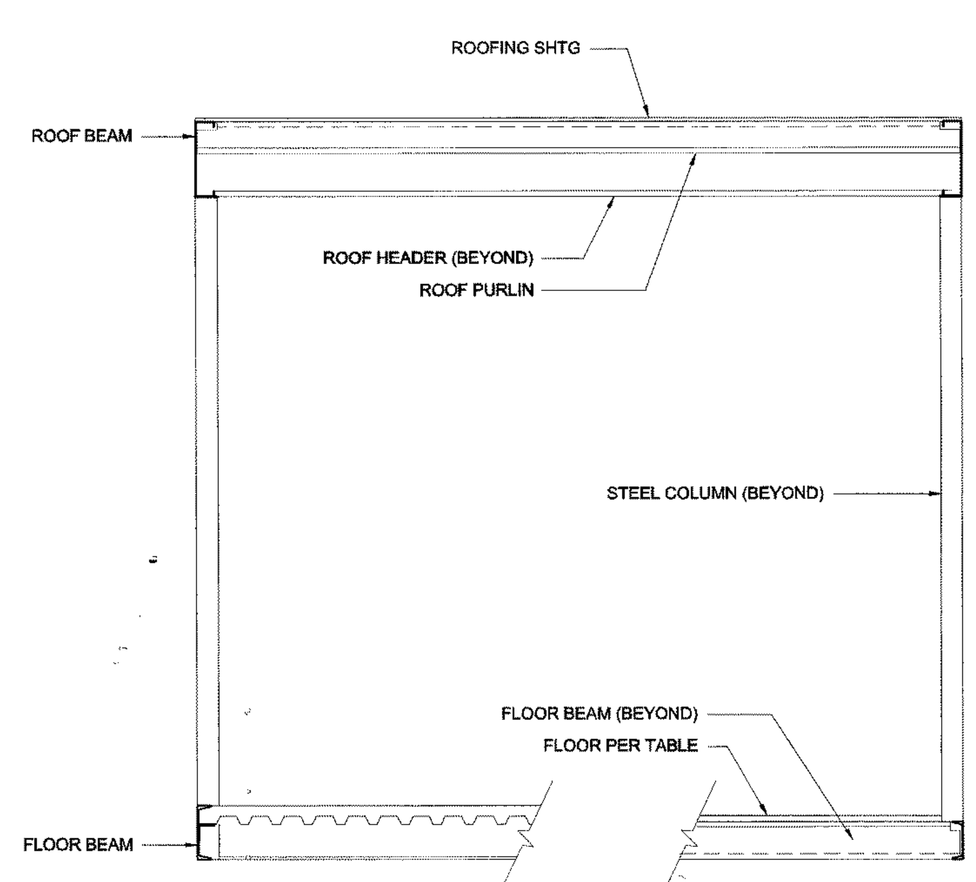
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
S-2.60

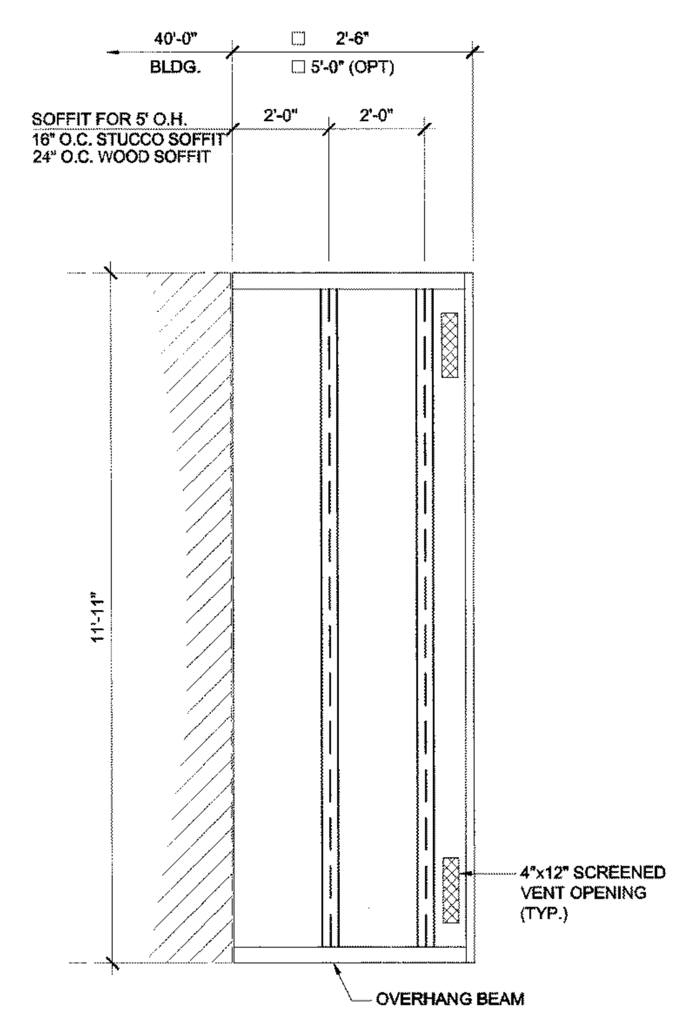
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



BUILDING SECTION — SCALE: 1/2" = 1'-0" 1



BUILDING SECTION — SCALE: 1/2" = 1'-0" 3



ENCL. SOFFIT PLAN-OPT. — SCALE: 3/8" = 1'-0" 2

NOTES

1. ALL INFORMATION SUCH AS DETAILS, SECTIONS, CONNECTIONS, AND MATERIAL ATTACHMENT SHALL BE REFERENCED FROM OTHER SHEETS WITHIN THIS SET WHERE IT APPLIES.

FLOOR CONSTRUCTION

- ☑ WOOD FLOOR
- ☐ CONCRETE FLOOR

HSS COLUMN SCHEDULE

COL HT	NO PLASTER, NO PARAPET	PLASTER, NO PARAPET	ANY WALL WITH PARAPET
☑ 9'-0"	☑ 5 x 5 x 1/4	☐ 6 x 4 x 1/4	☐ 6 x 6 x 1/4 ★
☐ 9'-6"	☐ 6 x 4 x 1/4	☐ 6 x 4 x 1/4	☐ 6 x 6 x 1/4 ★
☐ 10'-0"	☐ 6 x 4 x 1/4	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 ★
☐ 10'-6"	☐ 6 x 6 x 1/4	☐ 6 x 6 x 1/4 ★	☐ 6 x 6 x 1/4 ★

★ REQUIRES MINIMUM C8x13.7 FLOOR BEAM @ WOOD FLOOR

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

BUILDING SECTIONS
DUAL SLOPE

REGISTERED PROFESSIONAL ENGINEER JOHN W STARUCH STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARUCH STRUCTURAL STATE OF CALIFORNIA
12/12/2018

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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
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P.C. SHEET NUMBER

S-3.02

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
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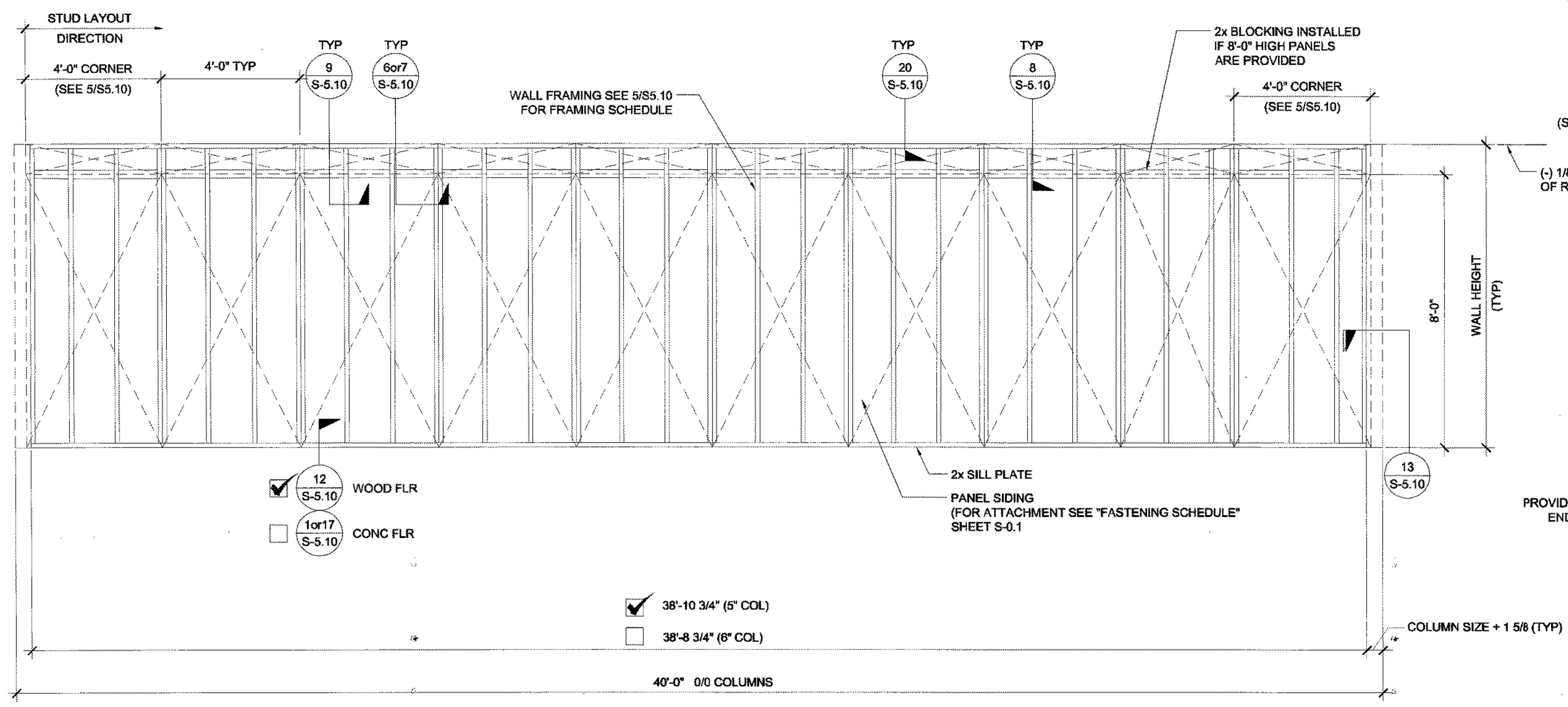
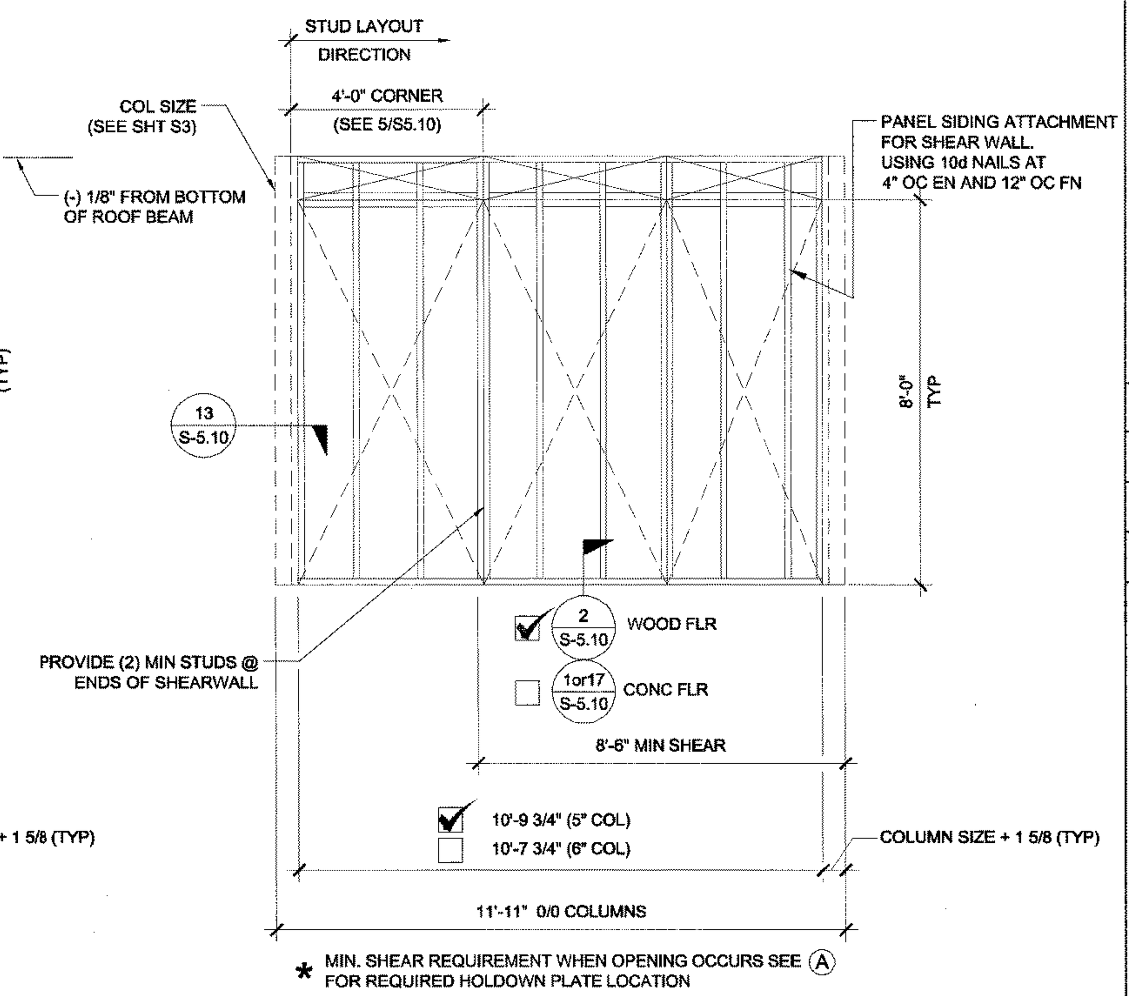
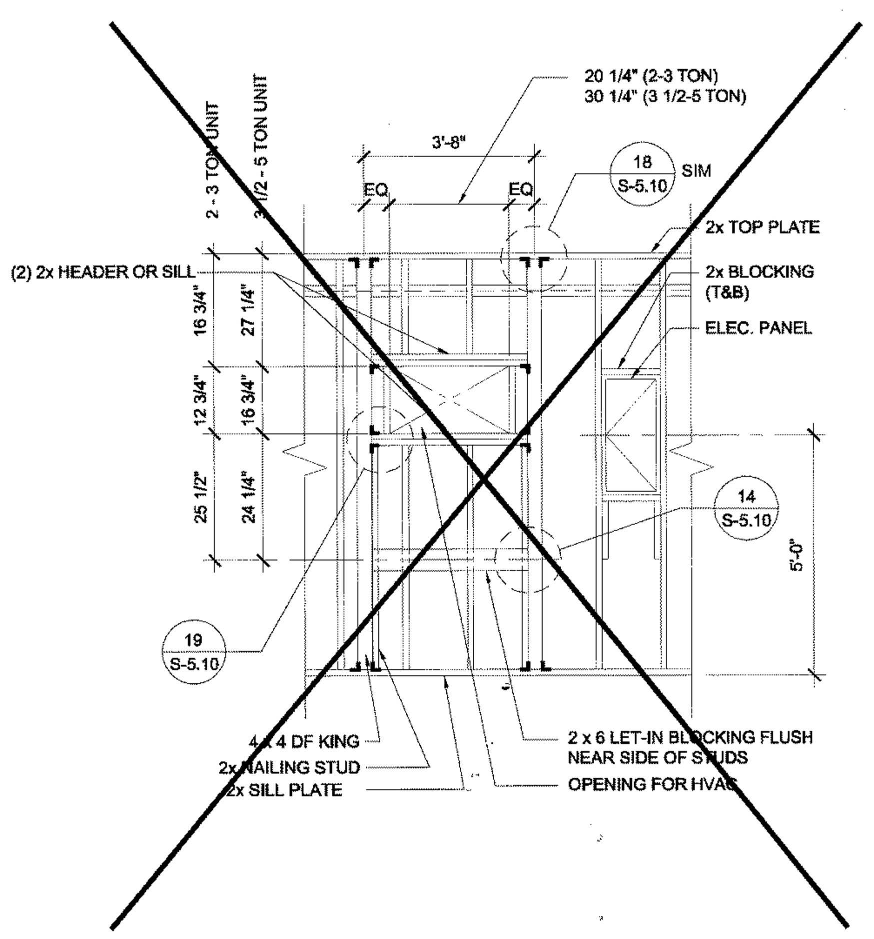
DATE: 12/24/2020



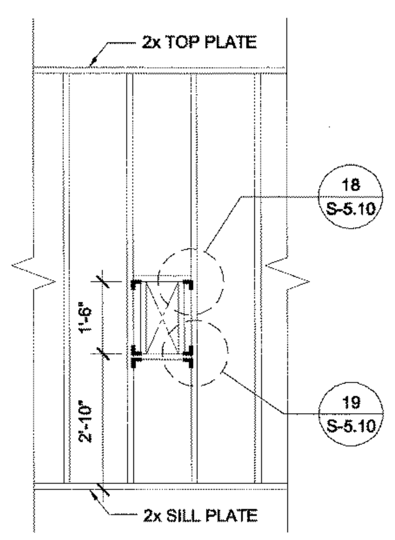
TYPICAL SIDE WALL



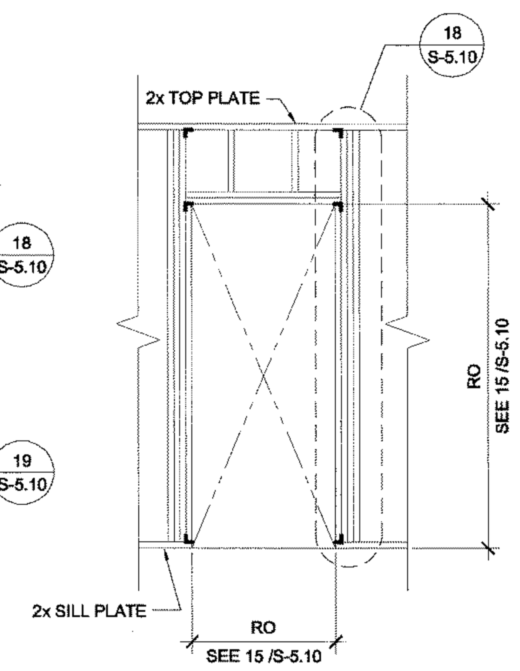
TYPICAL END WALL



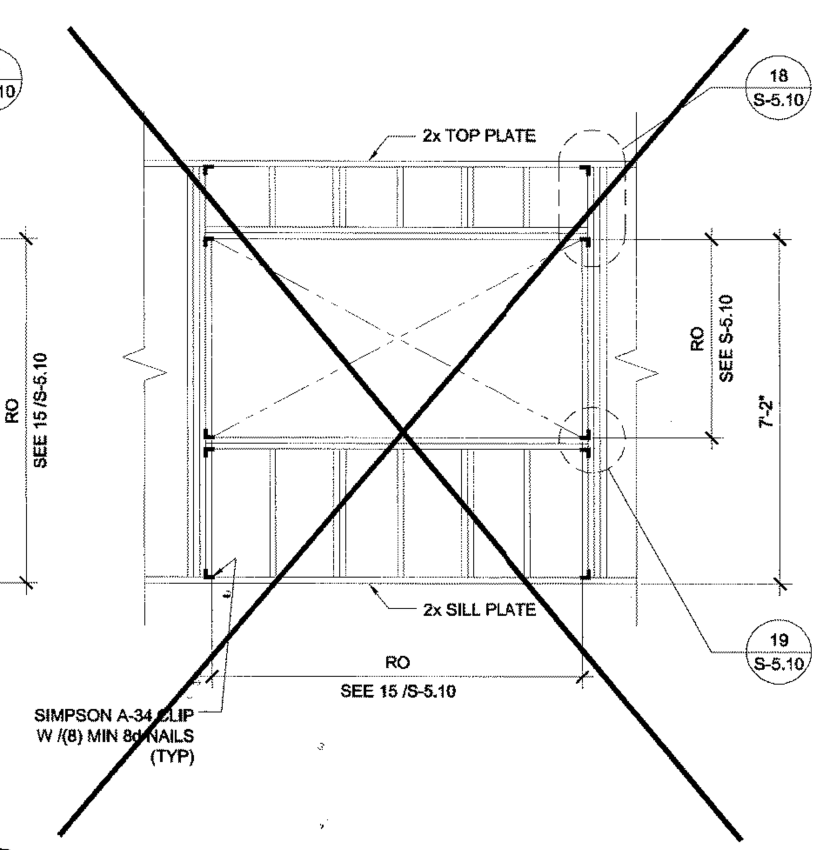
TYPICAL HVAC



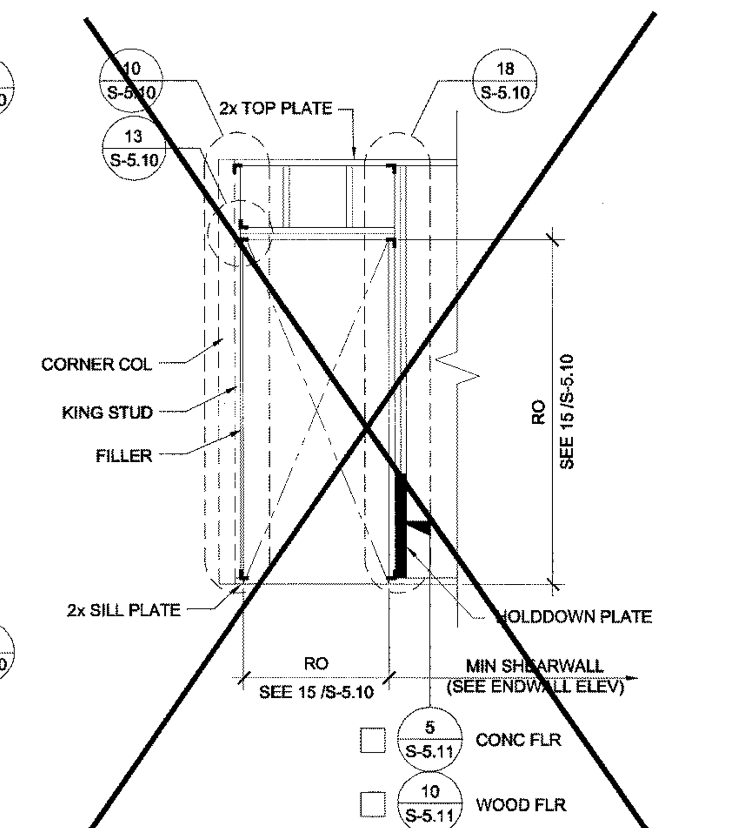
FIRE EXTINGUISHER CABINET BLOCKOUT



TYPICAL DOOR AT SIDEWALL



TYPICAL WINDOW



(A) TYPICAL DOOR OPENING AT END SHEARWALL

FRAMING ELEVATIONS

SCALE: 3/8" = 1'-0" | 1

NOTES

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	☑ 9'-0"	☐ 9'-6"	☐ 10'-0"	☐ 10'-6"
☑ CONCRETE FLOOR	8'-11 7/8"	9'-5 7/8"	9'-11 7/8"	10'-5 7/8"
☐ WOOD FLOOR	8'-10 3/4"	9'-4 3/4"	9'-10 3/4"	10'-4 3/4"

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
FRAMING ELEVATIONS
WOOD STUDS

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLIN 2975 STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER JOHN W STARLIN STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS — SS ✓
DATE DEC 13 2018

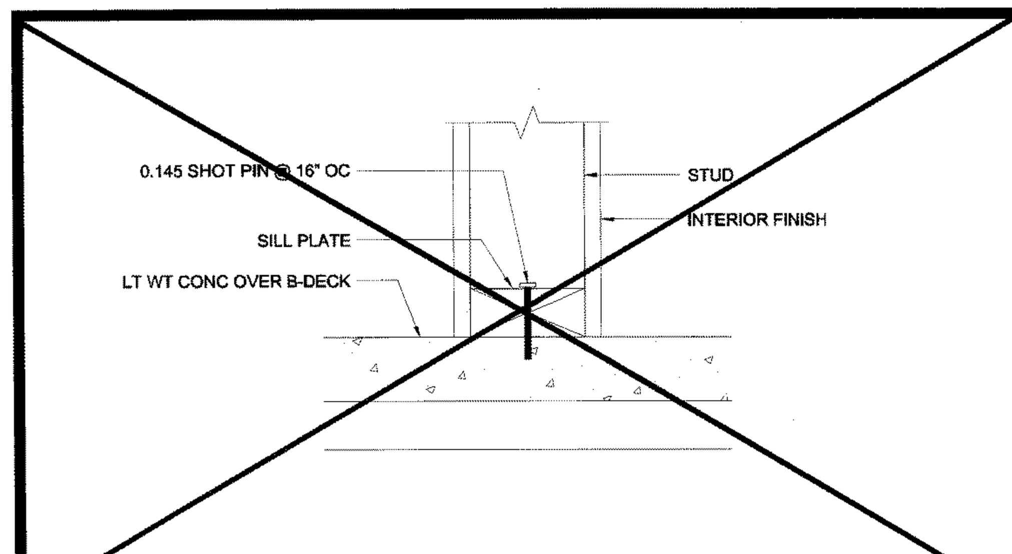
ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS
1
2
3
4
5
6
7
8

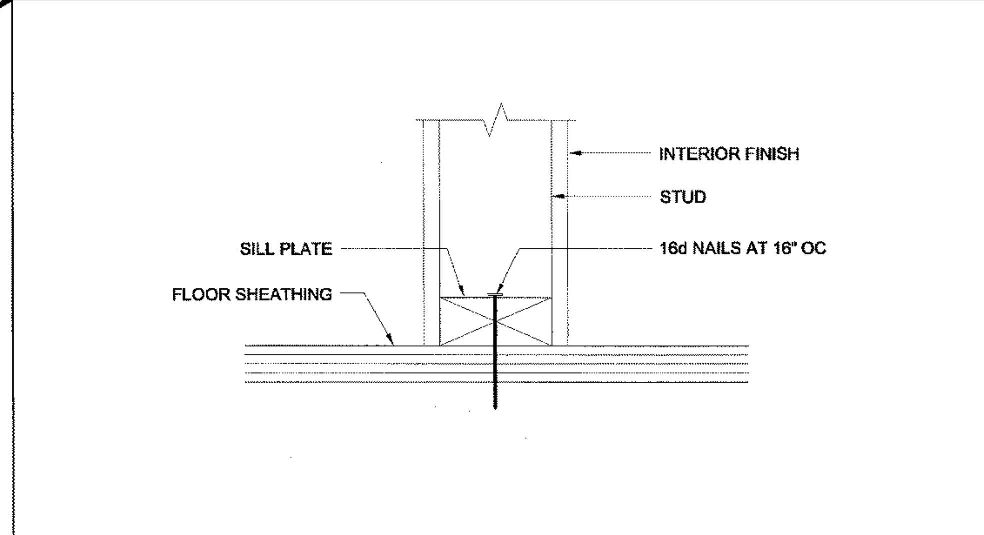
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

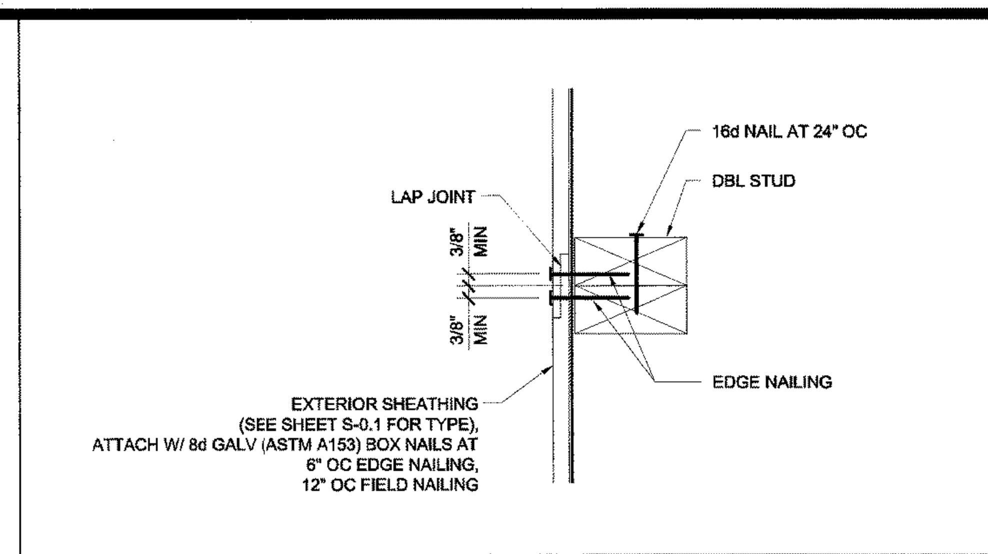
P.C. SHEET NUMBER
S-5.00



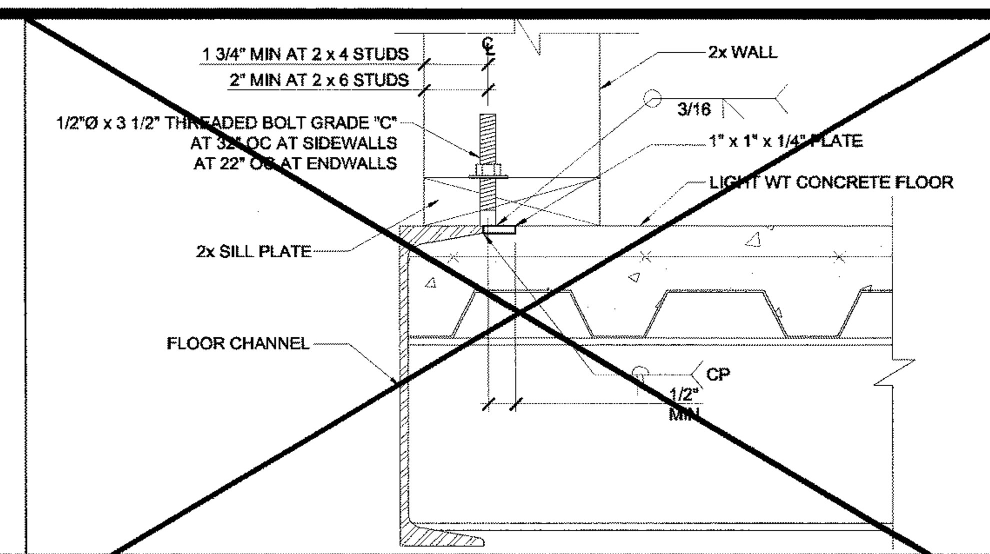
PARTITION CONNECTION AT CONC FLOOR — SCALE : 3"=1'-0" — 16



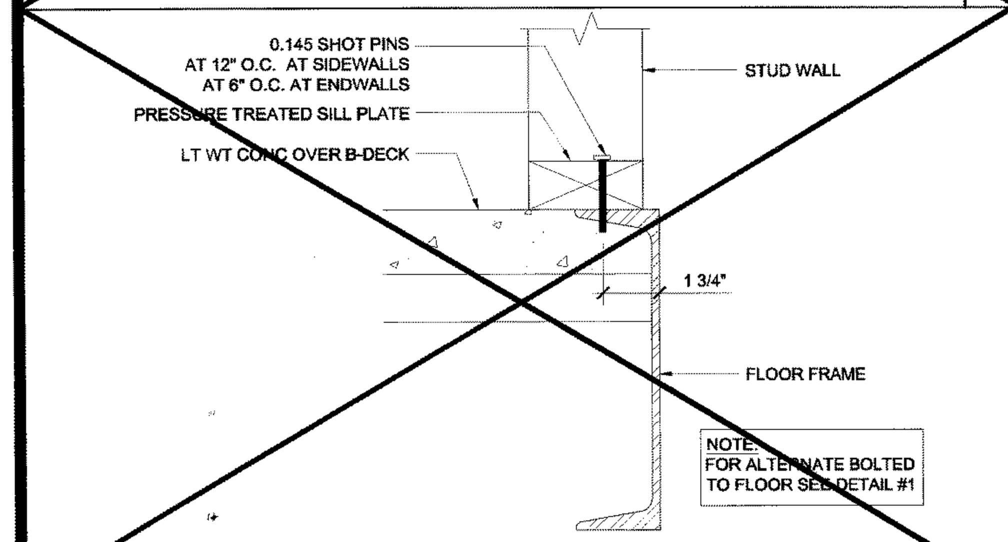
PARTITION CONNECTION AT WOOD FLOOR — SCALE : 3"=1'-0" — 11



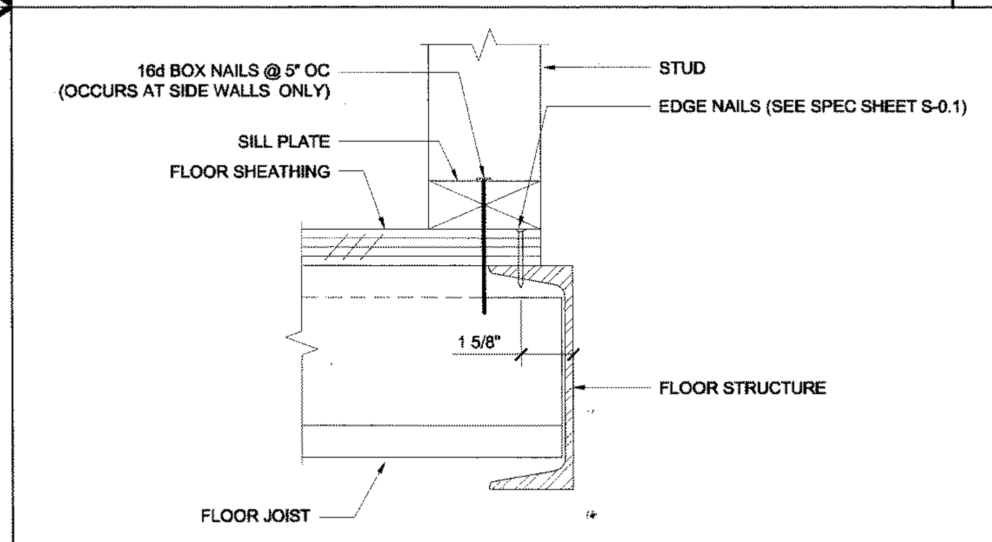
VERTICAL SHEATHING LAP JOINT — SCALE : 3"=1'-0" — 6



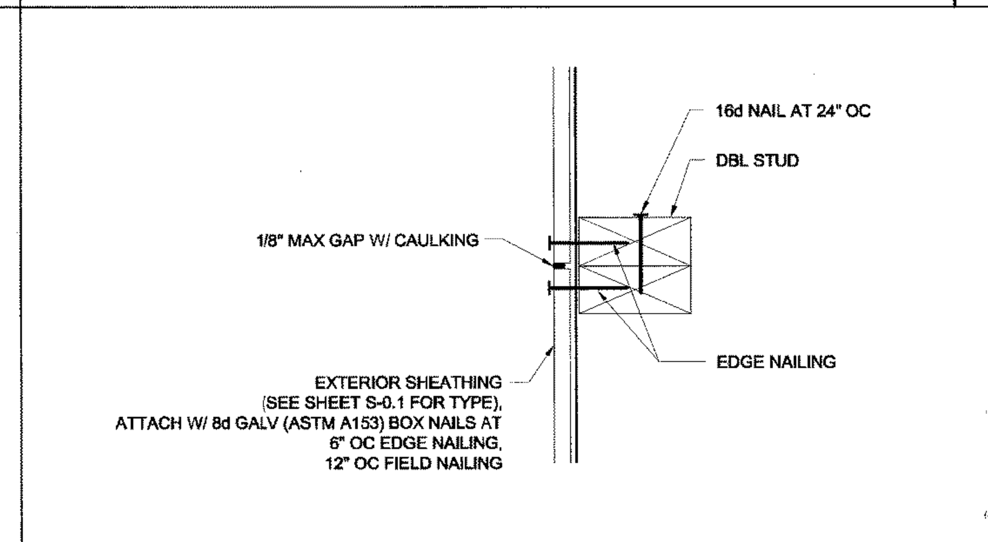
OPTIONAL BOLTED WALL TO FLOOR — SCALE : NTS — 1



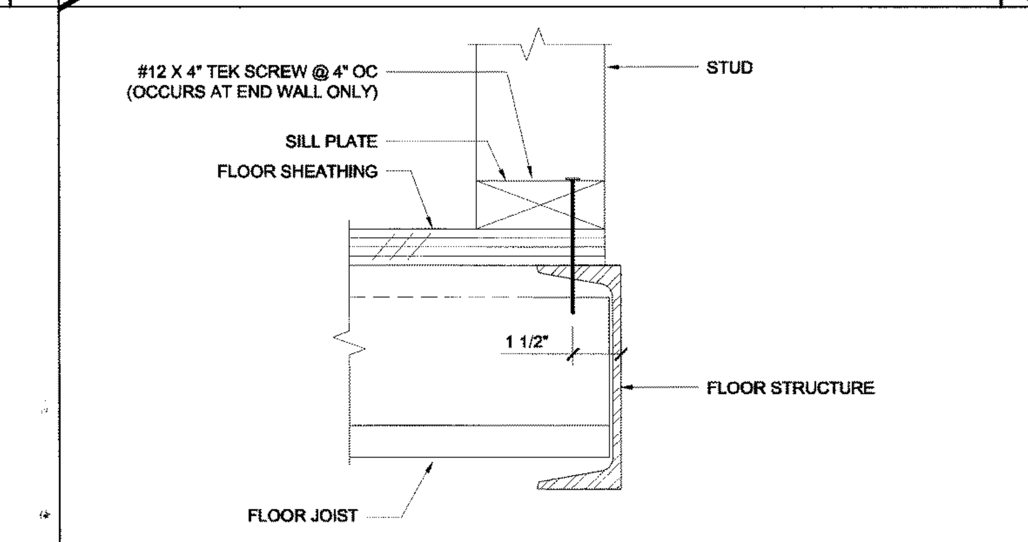
WALL SILL AT CONCRETE FLOOR — SCALE : 3"=1'-0" — 17



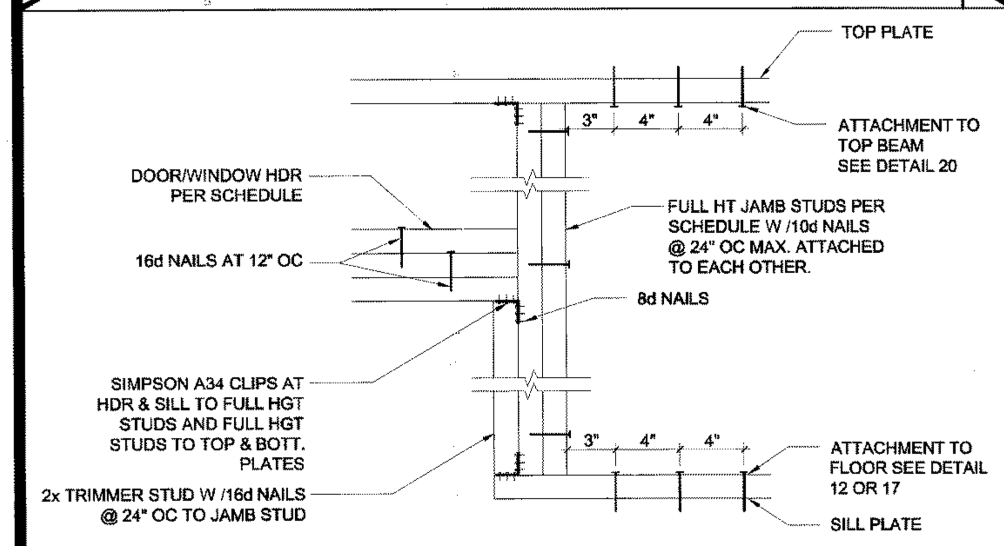
WALL SILL AT WOOD FLOOR (SIDE WALLS) — SCALE : 3"=1'-0" — 12



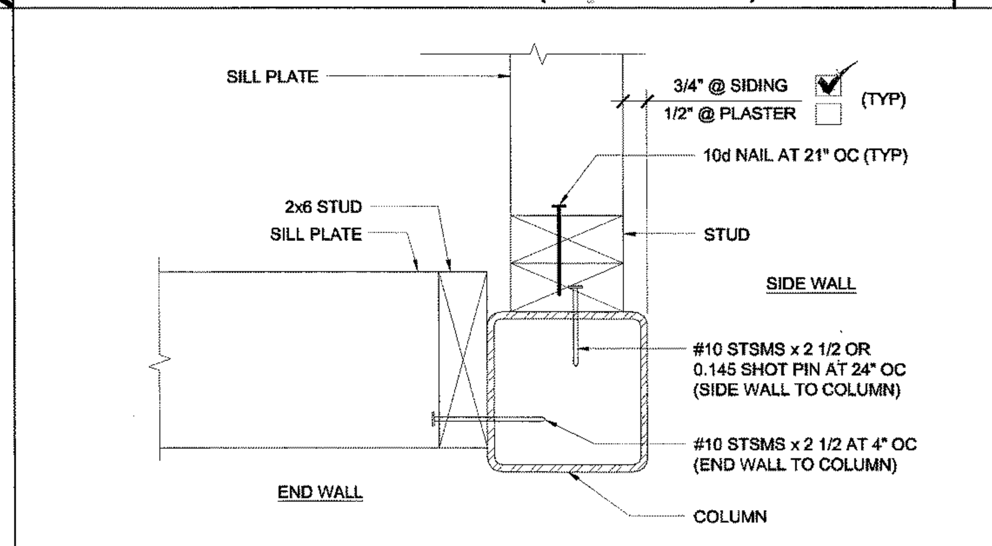
VERTICAL SHEATHING BUTT JOINT — SCALE : 3"=1'-0" — 7



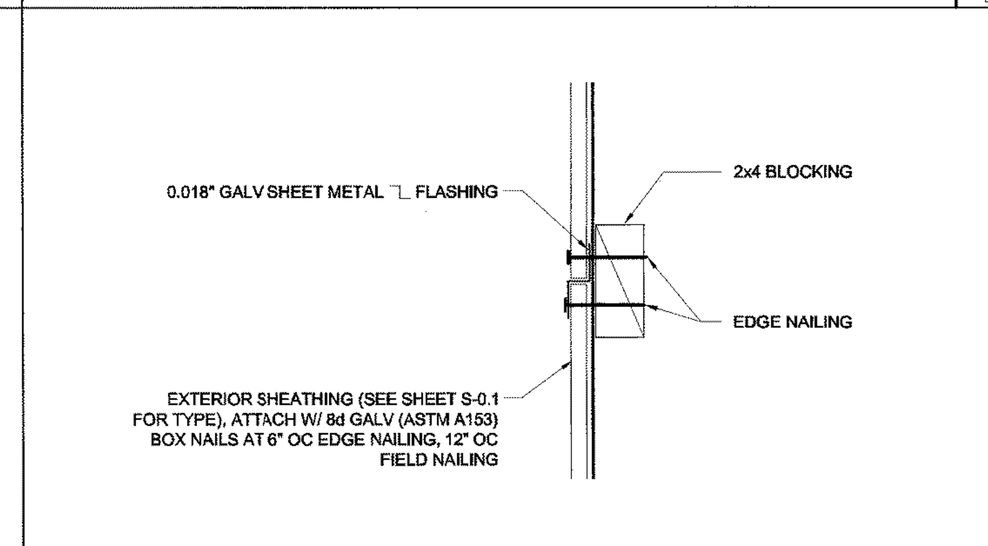
WALL SILL AT WOOD FLOOR (END WALLS) — SCALE : 3"=1'-0" — 2



DOOR/WINDOW HEADER AND JAMB — SCALE : 1 1/2"=1'-0" — 18



WALL AT COLUMN — SCALE : 3"=1'-0" — 13

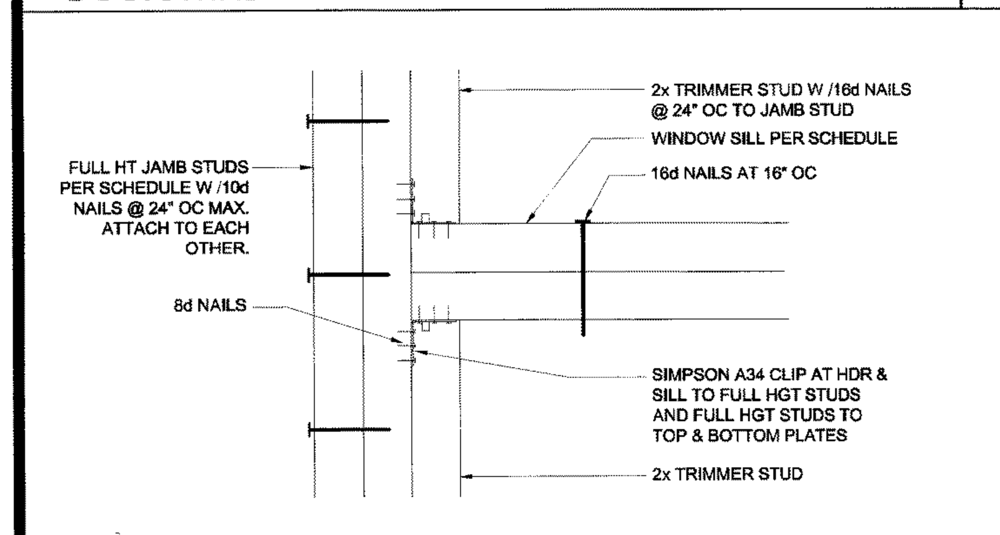


HORIZONTAL SHEATHING JOINT — SCALE : 3"=1'-0" — 8

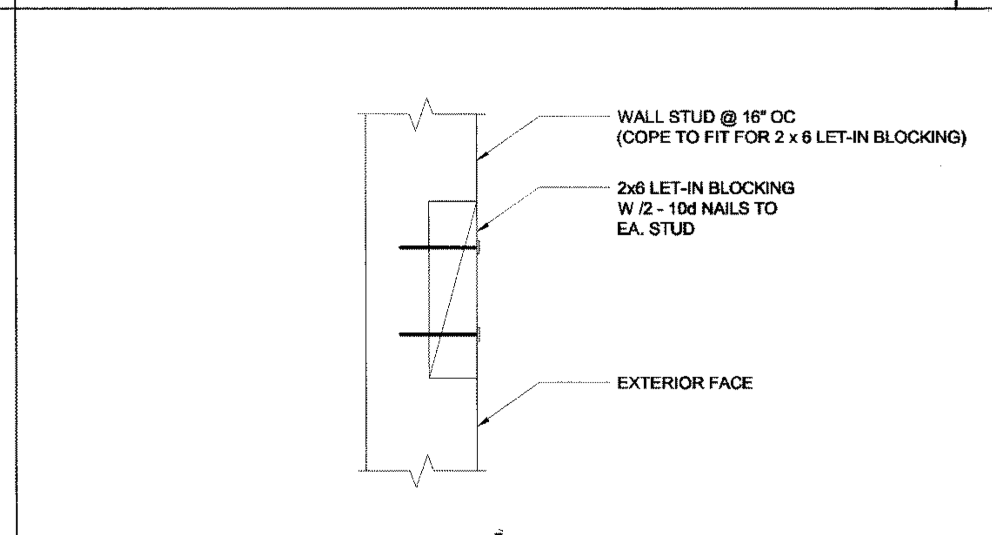
COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER	HEADER SIZE	HEADER LUMBER	HEADER TYPE	SILL NUMBER	SILL SIZE	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER	FULL HEIGHT KING STUD SIZE	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF	#2
		PLASTER	(2	2X4	DF	#2		N/A			(3)	2X4	DF	#2
	4070	NO PLASTER	(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF	#2
	6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(2)	2X4	HF	#2
		NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(2)	2X4	DF	#2
	8040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2
		NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(2)	2X4	DF	#2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER	HEADER SIZE	HEADER LUMBER	HEADER TYPE	SILL NUMBER	SILL SIZE	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER	FULL HEIGHT KING STUD SIZE	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF	#2
	4070	NO PLASTER	(1)	2X4	HF	#2		N/A			(2)	2X4	HF	#2
		NO PLASTER (OPT)	(1)	2X4	DF	#2		N/A			(2)	2X4	DF	#2
	6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2
		NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2
	8040	NO PLASTER	(3)	2X4	HF	#2	(3)	2X4	HF	#2	(4)	2X4	HF	#2
		NO PLASTER (OPT)	(3)	2X4	DF	#2	(3)	2X4	DF	#2	(3)	2X4	DF	#2

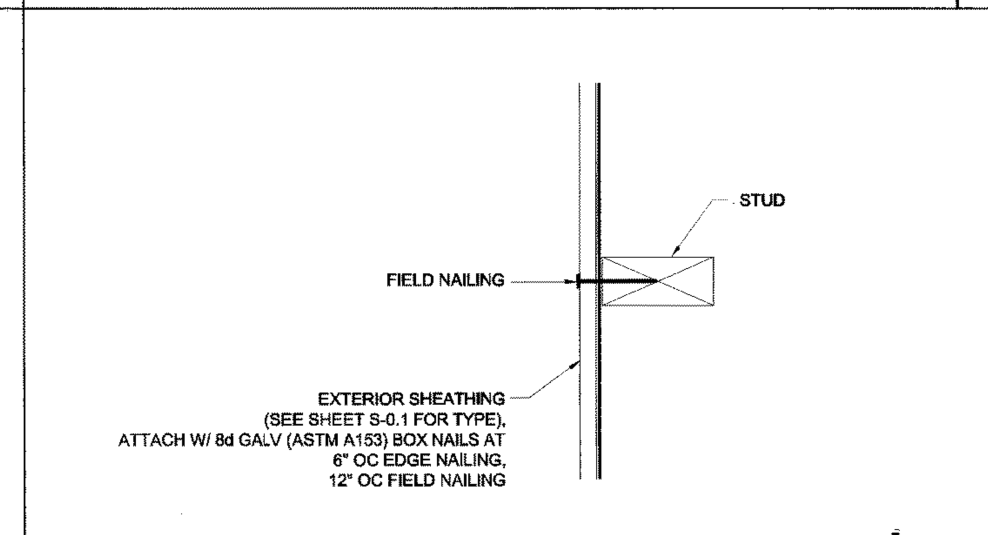
NOTE:
OPENINGS LARGER THAN 3'x7' ARE NOT PERMITTED IN 2x4 WALLS WITH PLASTER FINISH.



WINDOW SILL AND JAMB — SCALE : 3"=1'-0" — 19

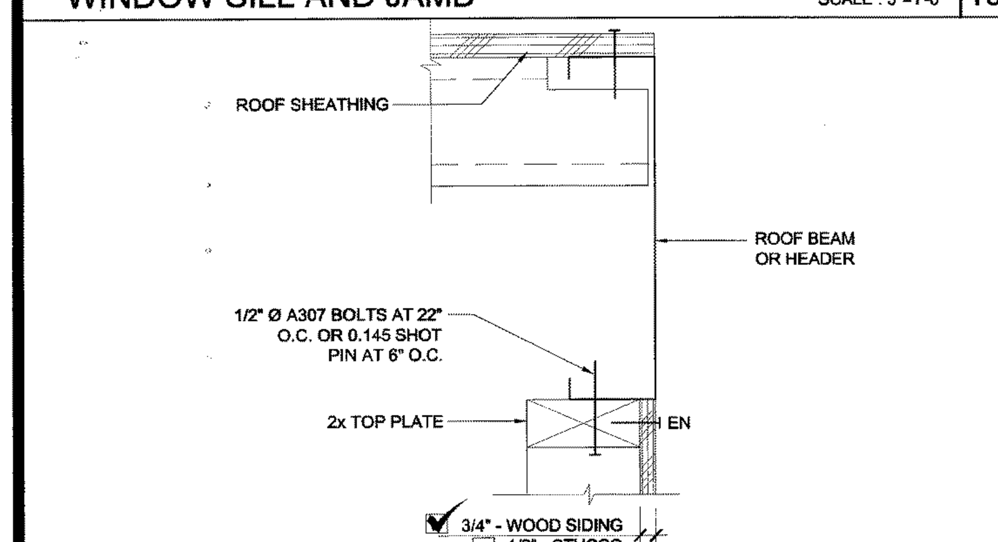


LET-IN BLOCK ATTACHMENT — SCALE : 3"=1'-0" — 14



SECTION AT SHEATHING TO STUD ATTACHMENT — SCALE : 3"=1'-0" — 9

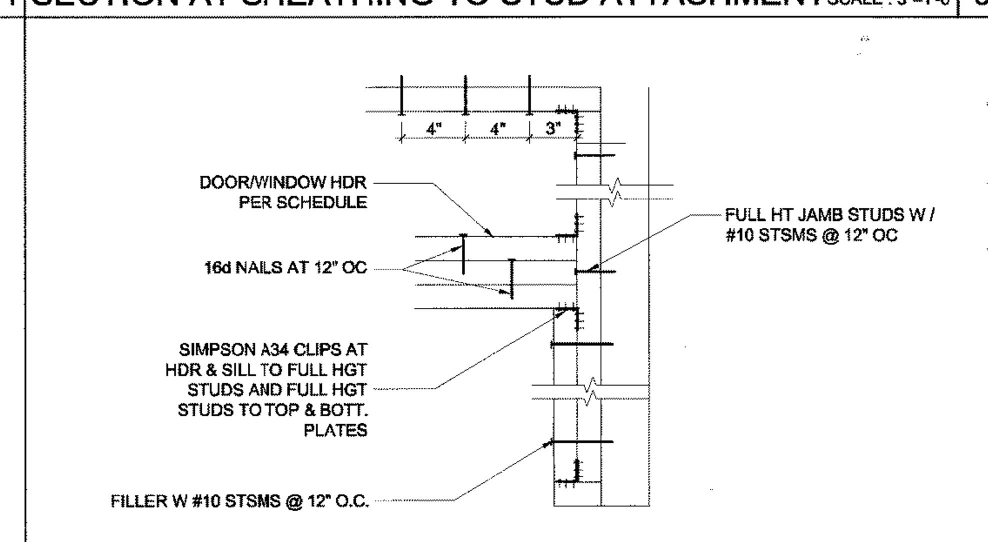
2x4 OPENING STUDS SCHEDULE — 4



TOP PLATE AT ROOF BEAM — SCALE : 3" = 1'-0" — 20

DOOR	WINDOW	☐ STANDARD		☐ WELDED FRAME	
2070		26"	85"	28 1/4"	86 1/4"
3070		38"	85"	40 1/4"	86 1/4"
4070		50"	85"	52 1/4"	86 1/4"
6070		74"	85"	76 1/4"	86 1/4"
	4040	47 3/4"	47 5/8"	52 1/4"	52 1/4"
	6040	71 3/4"	47 5/8"	76 1/4"	52 1/4"
	8040	95 3/4"	47 5/8"	100 1/4"	52 1/4"
	6020	71 3/4"	23 5/8"	76 1/4"	28 1/4"
	8020	95 3/4"	23 5/8"	100 1/4"	28 1/4"

ROUGH OPENING SCHEDULE — 15



DOOR/WINDOW HEADER @ COLUMN — SCALE : 1 1/2"=1'-0" — 10

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING NUMBER	SIZE	LUMBER	TYPE	OC	4' CORNER OF WOOD WALL FRAMING (ZONE 5) NUMBER	SIZE	LUMBER	TYPE	OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC
	PLASTER	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	10" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	12" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC

NOTE:
2X4 WALL FRAMING NOT PERMITTED FOR PLASTER WALLS OVER 9'-6" TALL

2x4 WALL FRAMING SCHEDULE — 5

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

WALL FRAMING DETAILS
WOOD STUDS

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING 2475 STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS — SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

1
2
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5
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8

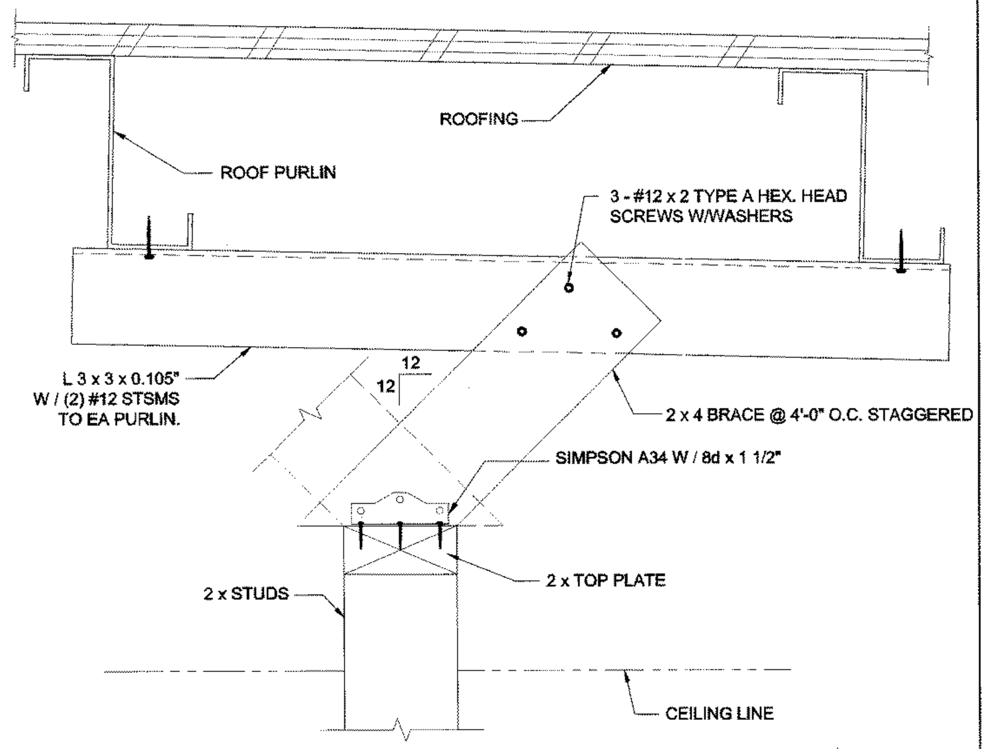
SILVER CREEK INDUSTRIES'
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

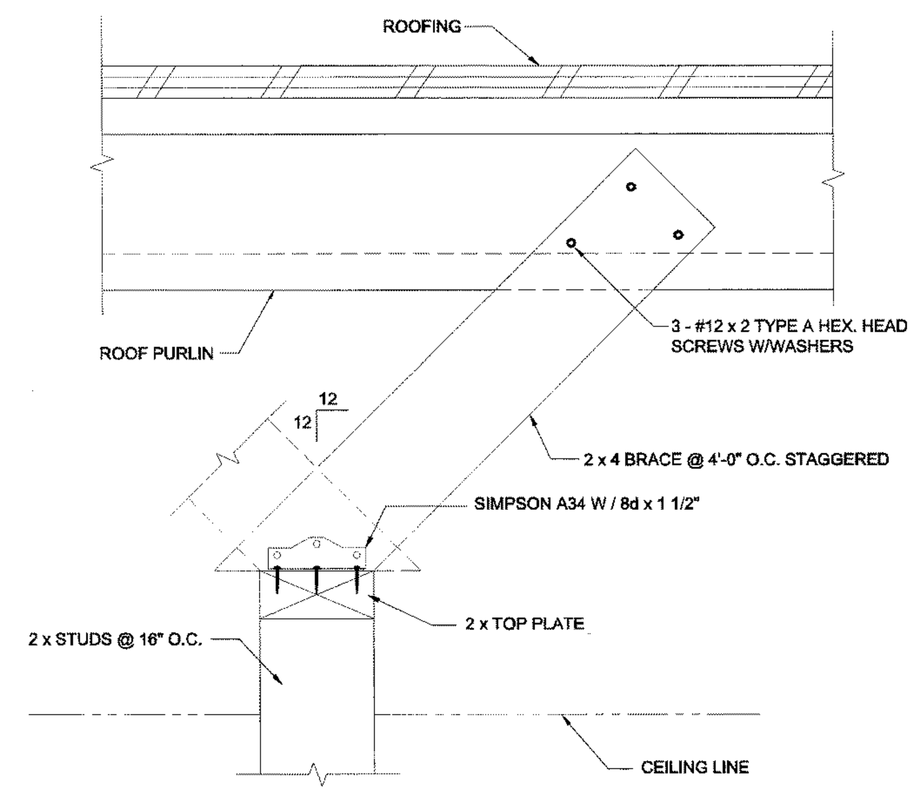
P.C. SHEET NUMBER

S-5.10

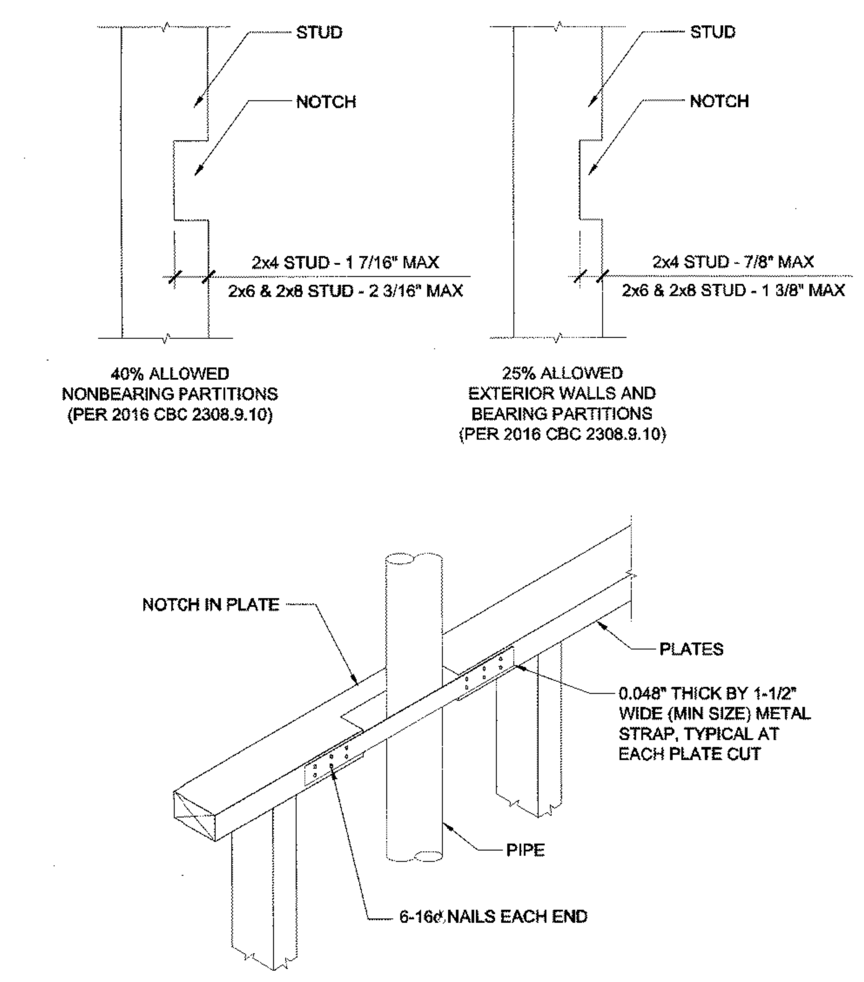
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



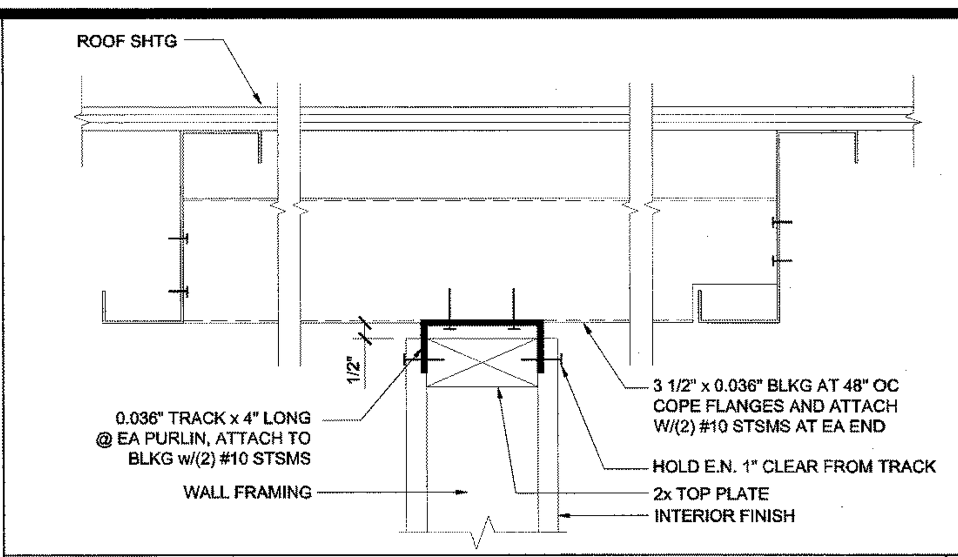
INTERIOR PARTITION
SCALE : 3" = 1'-0" 14



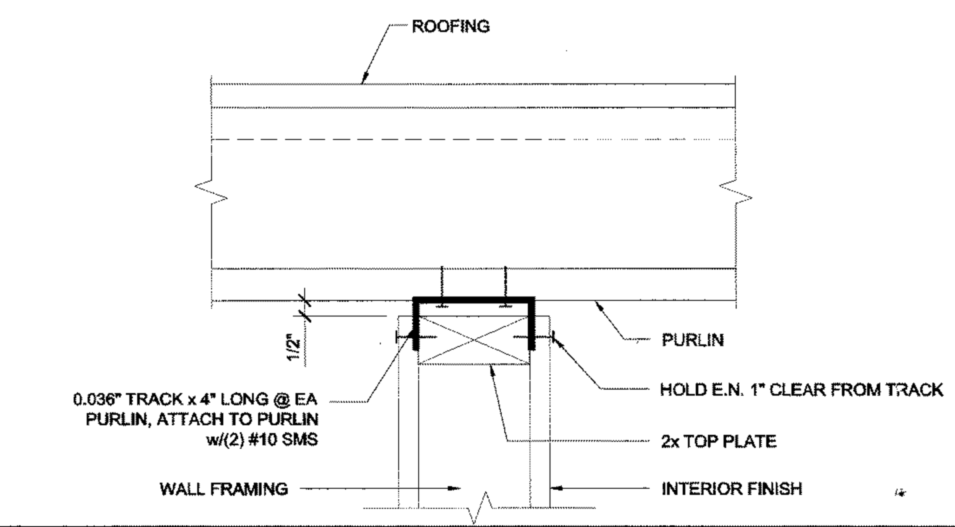
INTERIOR PARTITION
SCALE : 3" = 1'-0" 12



CUTTING AND NOTCHING
SCALE : 1 1/2" = 1'-0" 7



FULL HEIGHT INTERIOR PARTITION
SCALE : 3" = 1'-0" 1



FULL HEIGHT INTERIOR PARTITION
SCALE : 3" = 1'-0" 2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER **	HEADER SIZE **	HEADER LUMBER	HEADER TYPE	SILL NUMBER **	SILL SIZE **	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER **	FULL HEIGHT KING STUD SIZE **	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(2)	2X6	HF	#2	(2)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(2)	2X6	DF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2		N/A			(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2		N/A			(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2		N/A			(2)	2X6	DF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		W/ PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
	8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(2)	2X6	HF	#2	(2)	2X6	HF	#2	(3)	2X6	HF	#2
		W/ PLASTER (OPT)	(2)	2X6	DF	#2	(2)	2X6	DF	#2	(2)	2X6	DF	#2

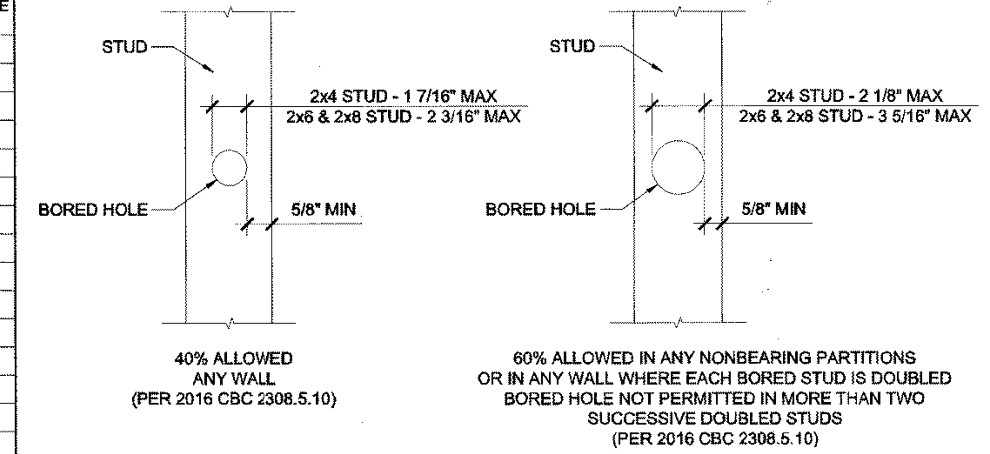
**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE. SEE DETAILS 2 OR 10/-

2x6 OPENING STUDS SCHEDULE
19

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER NUMBER **	HEADER SIZE **	HEADER LUMBER	HEADER TYPE	SILL NUMBER **	SILL SIZE **	SILL LUMBER	SILL TYPE	FULL HEIGHT KING STUD NUMBER **	FULL HEIGHT KING STUD SIZE **	FULL HEIGHT KING STUD LUMBER	FULL HEIGHT KING STUD TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2		N/A			(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2		N/A			(1)	2X8	DF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(2)	2X8	HF	#2
		W/ PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2

**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE. SEE DETAILS 2 OR 10/-

2x8 OPENING STUDS SCHEDULE
14



BORED HOLES
SCALE : 1 1/2" = 1'-0" 8

3

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING NUMBER **	SIZE **	LUMBER	TYPE	OC	4' CORNER OF WOOD WALL FRAMING (ZONE 5) NUMBER **	SIZE **	LUMBER	TYPE	OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE.

NOTE: 2x6 & 2x8 SPACING MAY BE 24" O.C. OPTIONAL.

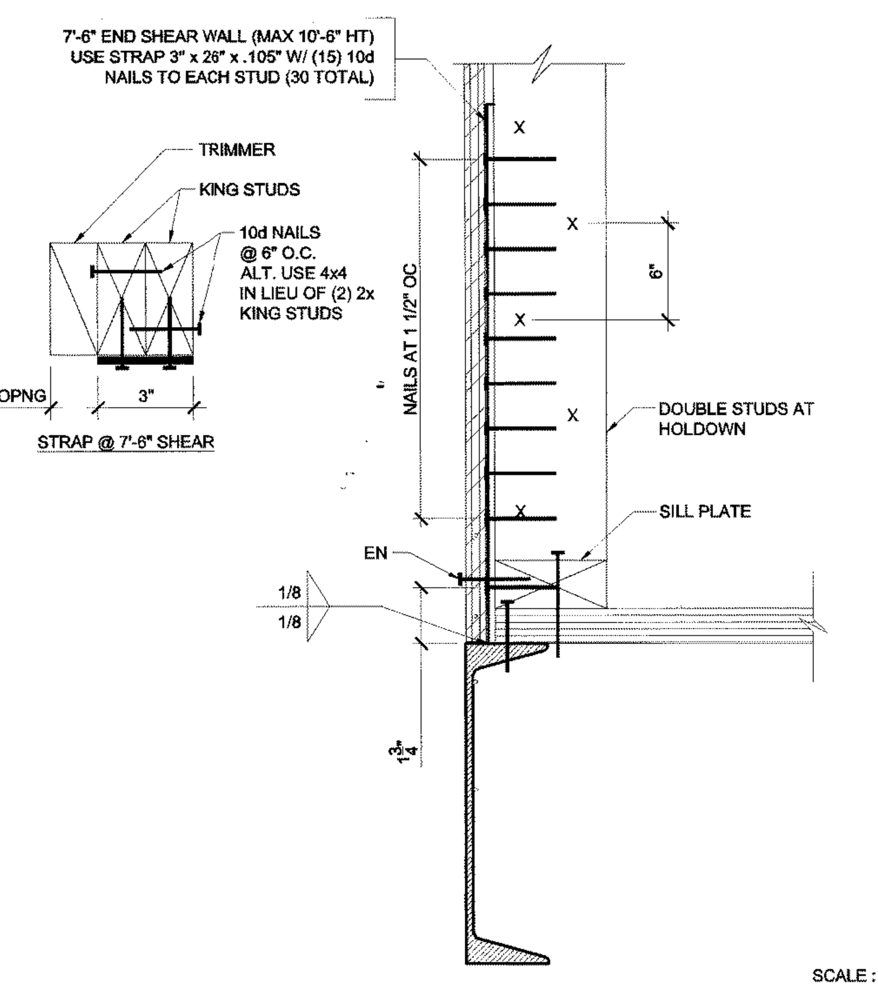
2x6 WALL FRAMING SCHEDULE
20

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING NUMBER **	SIZE **	LUMBER	TYPE	OC	4' CORNER OF WOOD WALL FRAMING (ZONE 5) NUMBER **	SIZE **	LUMBER	TYPE	OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC

**2x6 AND 2x8 STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 2x4 - NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE.

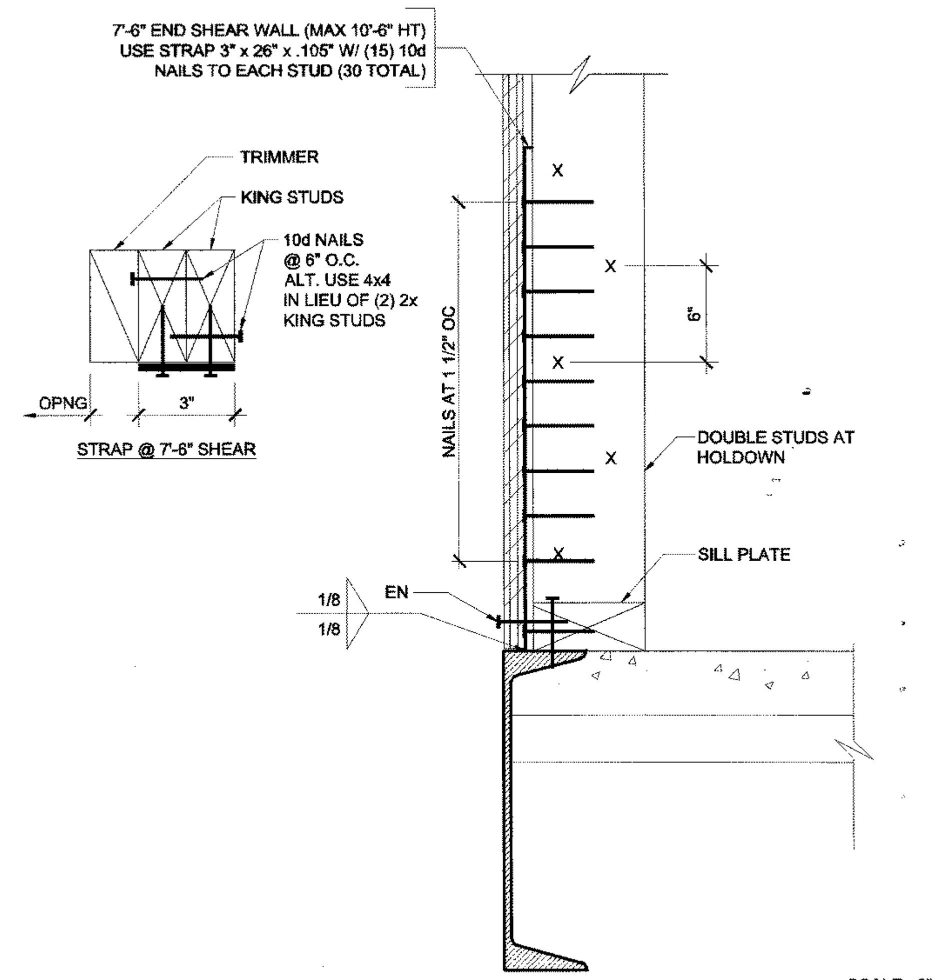
NOTE: 2x6 & 2x8 SPACING MAY BE 24" O.C. OPTIONAL.

2x8 WALL FRAMING SCHEDULE
15



SCALE : 3"=1'-0"

ALT. HOLD DOWN AT ENDWALL OPENING - WOOD FLOOR
10



SCALE : 3"=1'-0"

ALT. HOLD DOWN AT ENDWALL OPENING - CONCRETE FLOOR
5

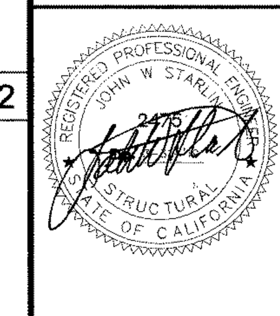
SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

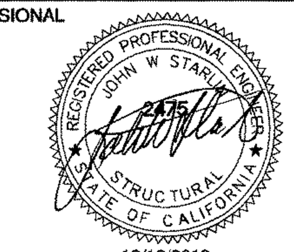
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

WALL FRAMING DETAILS
WOOD STUDS



STOCKPILE PROFESSIONAL



12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS – SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

1
2
3
4
5
6
7
8

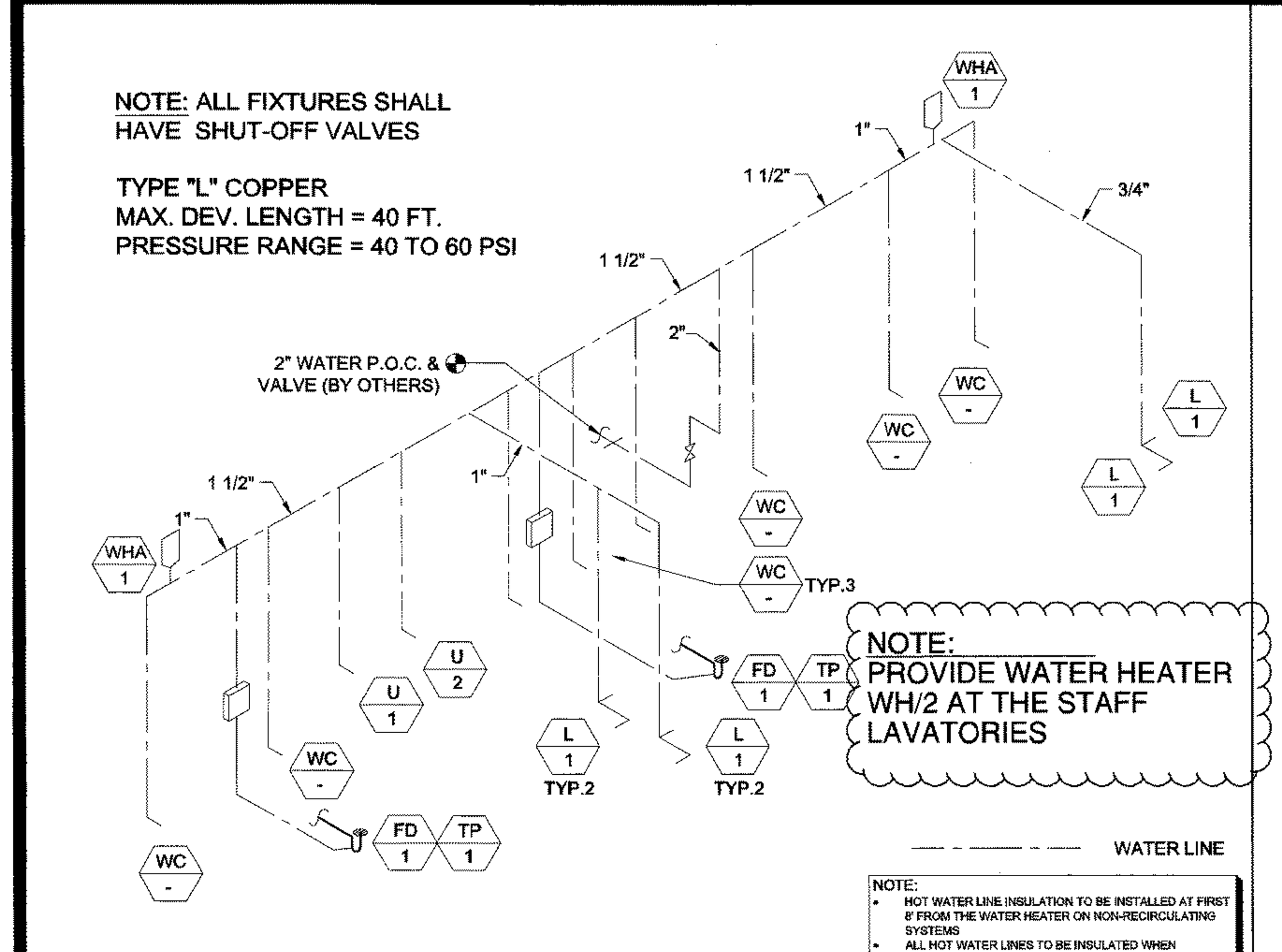
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

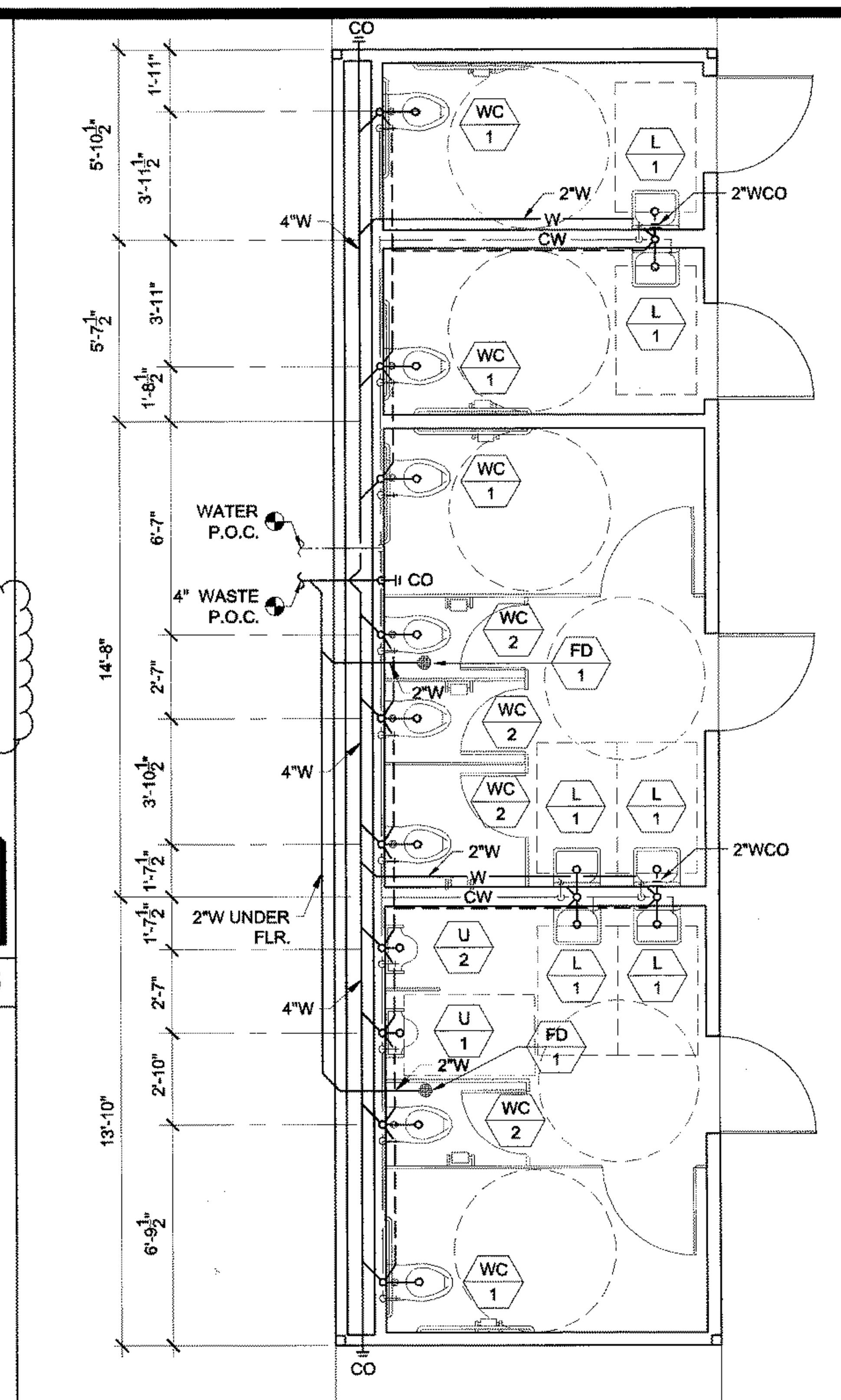
S-5.11

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



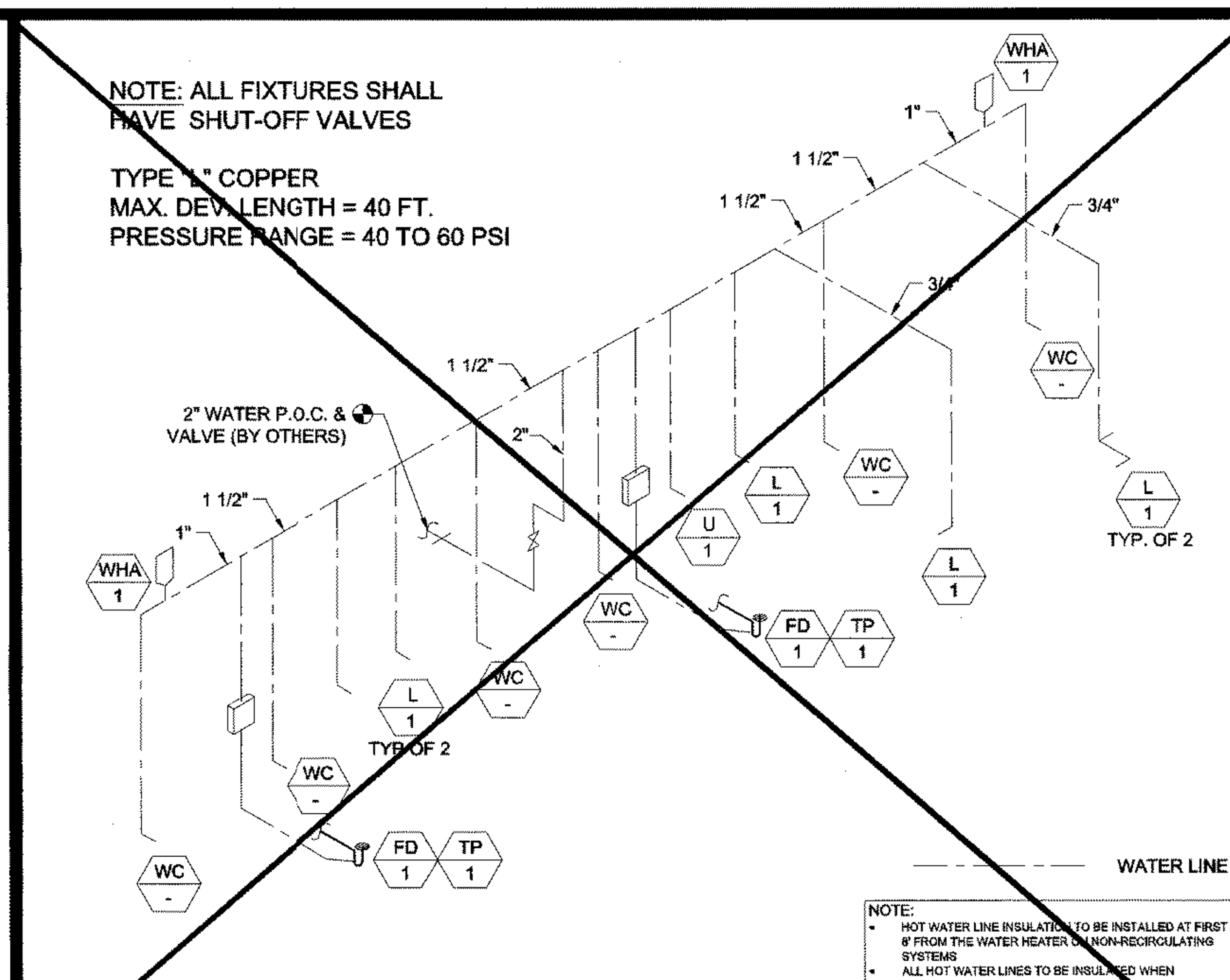
MODEL C-2

SUPPLY ISOMETRIC - FLOOR AND WALL MOUNT — SCALE: N.T.S. — 8



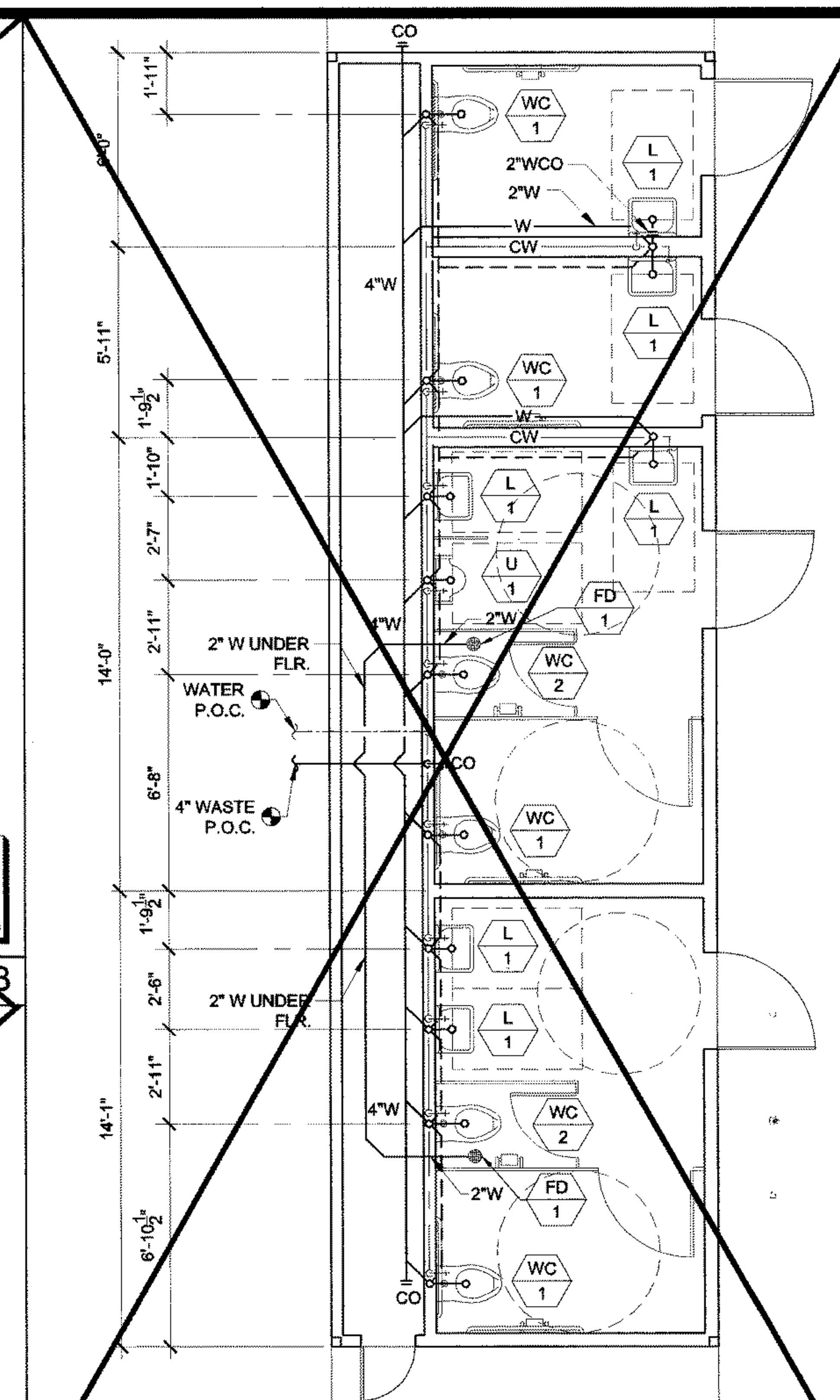
WALL MOUNT - MODEL C-2

PLUMBING PLAN — SCALE: 1/4" = 1-0" — 6



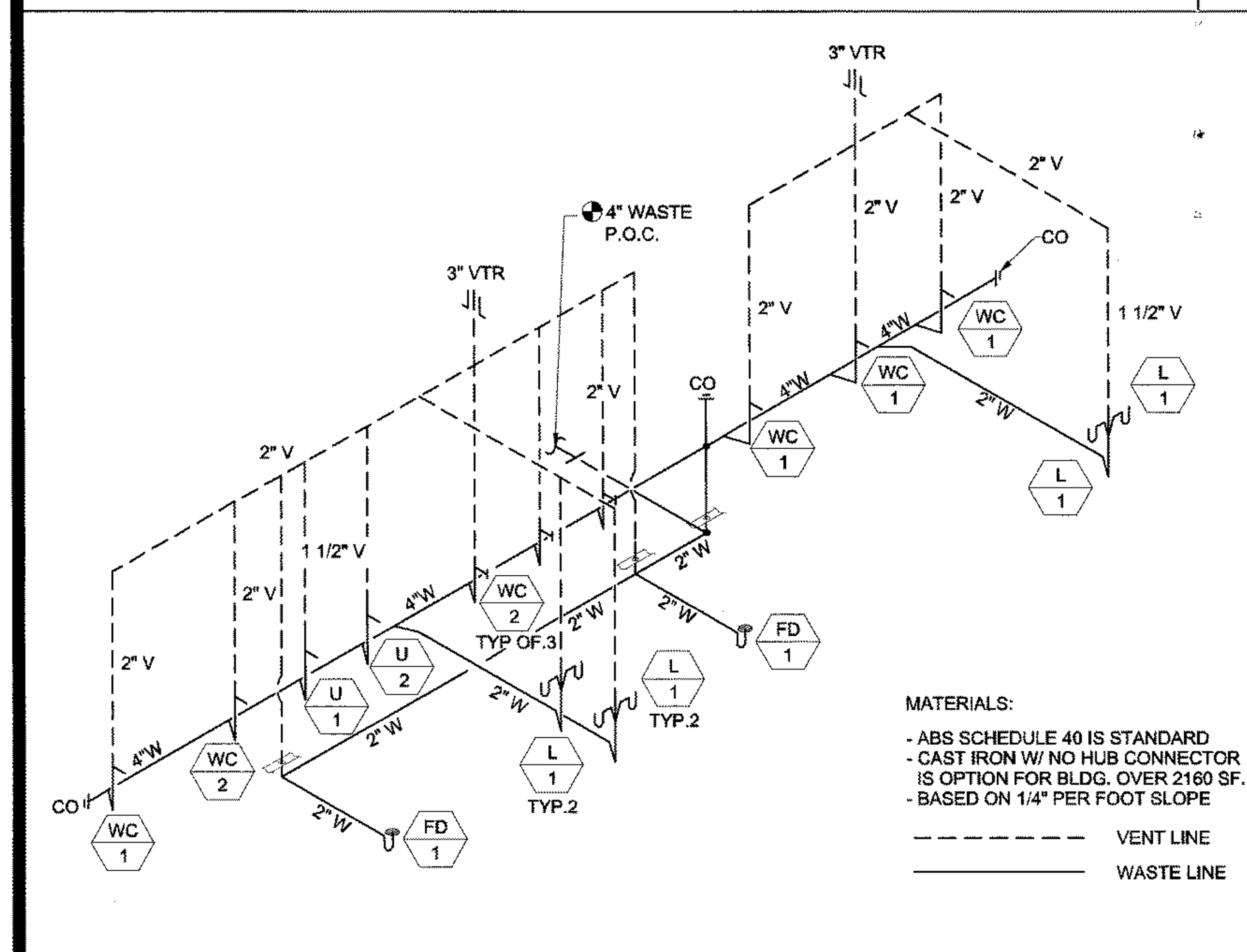
MODEL C-1

SUPPLY ISOMETRIC - FLOOR AND WALL MOUNT — SCALE: N.T.S. — 3



WALL MOUNT - MODEL C-1

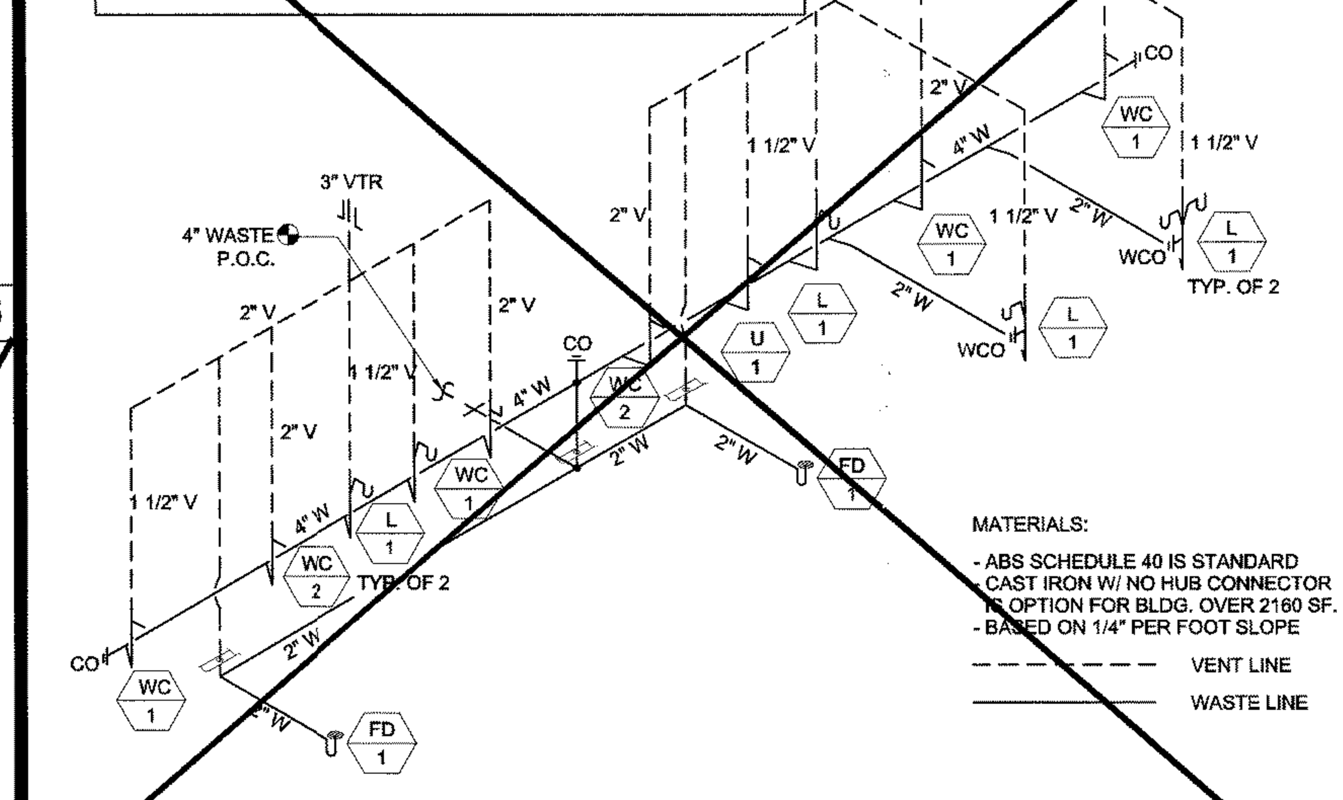
PLUMBING PLAN — SCALE: 1/4" = 1-0" — 1



MODEL C-2

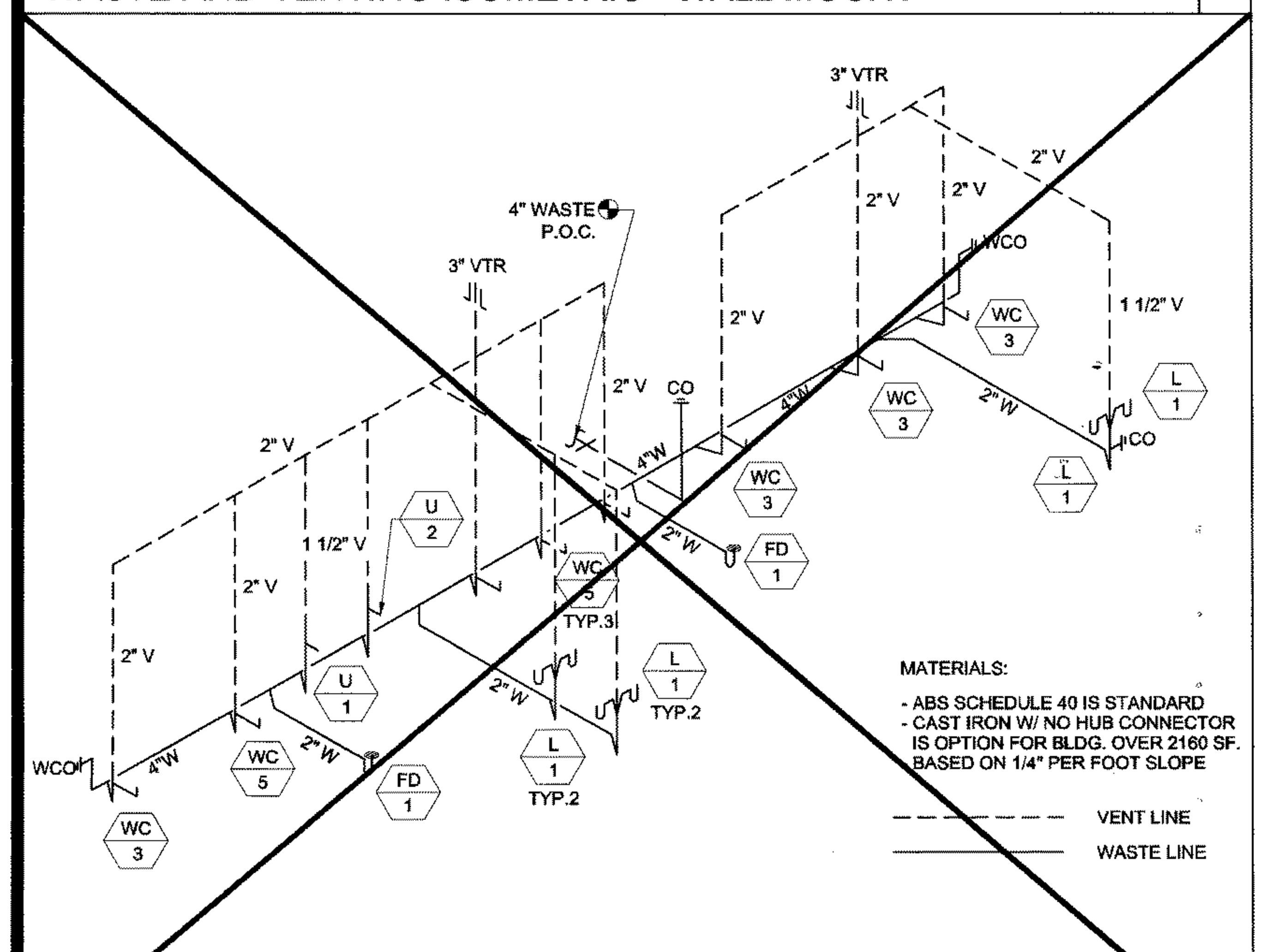
WASTE AND VENTING ISOMETRIC - WALL MOUNT — SCALE: N.T.S. — 9

NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)



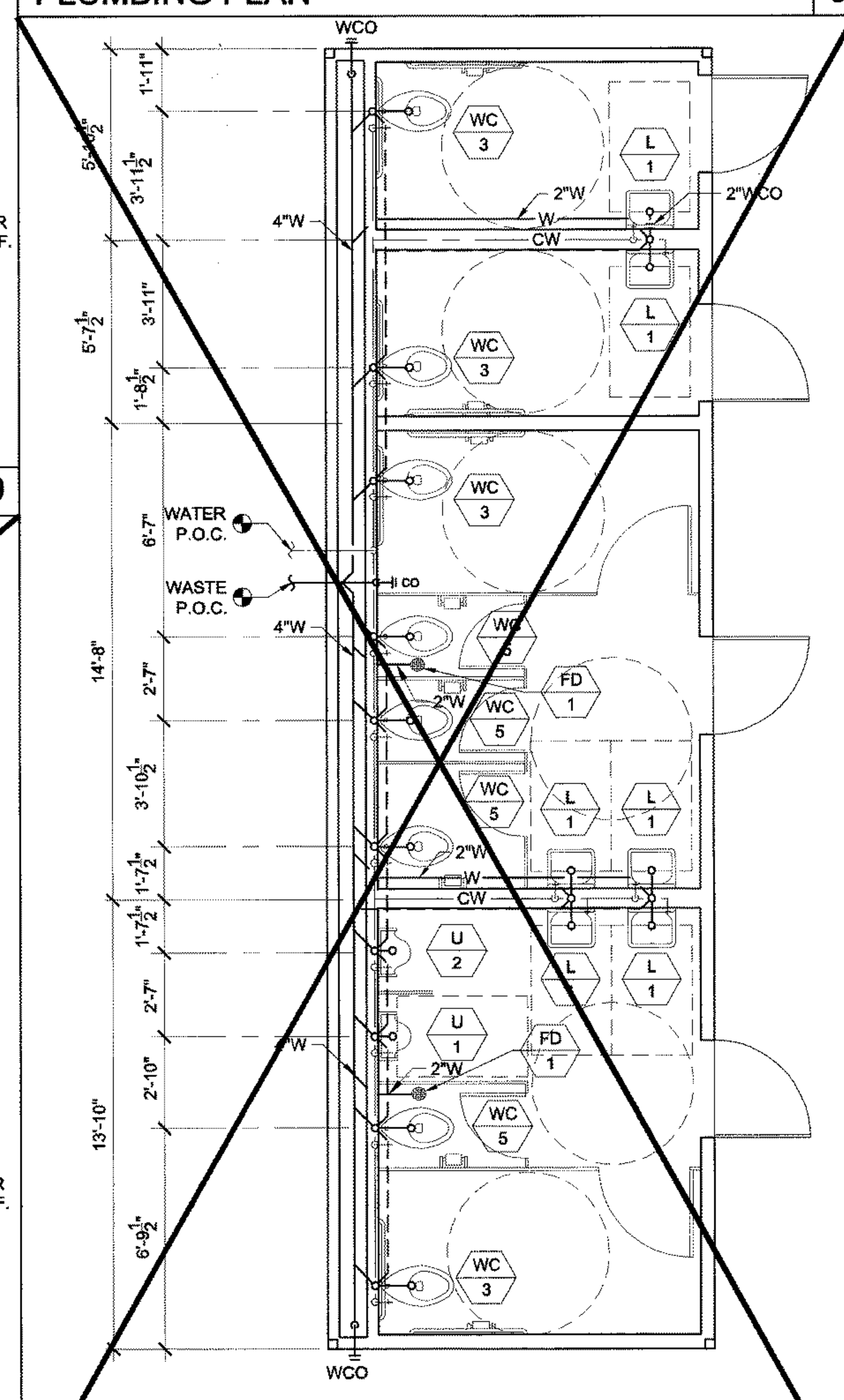
MODEL C-1

WASTE AND VENTING ISOMETRIC - WALL MOUNT — SCALE: N.T.S. — 4



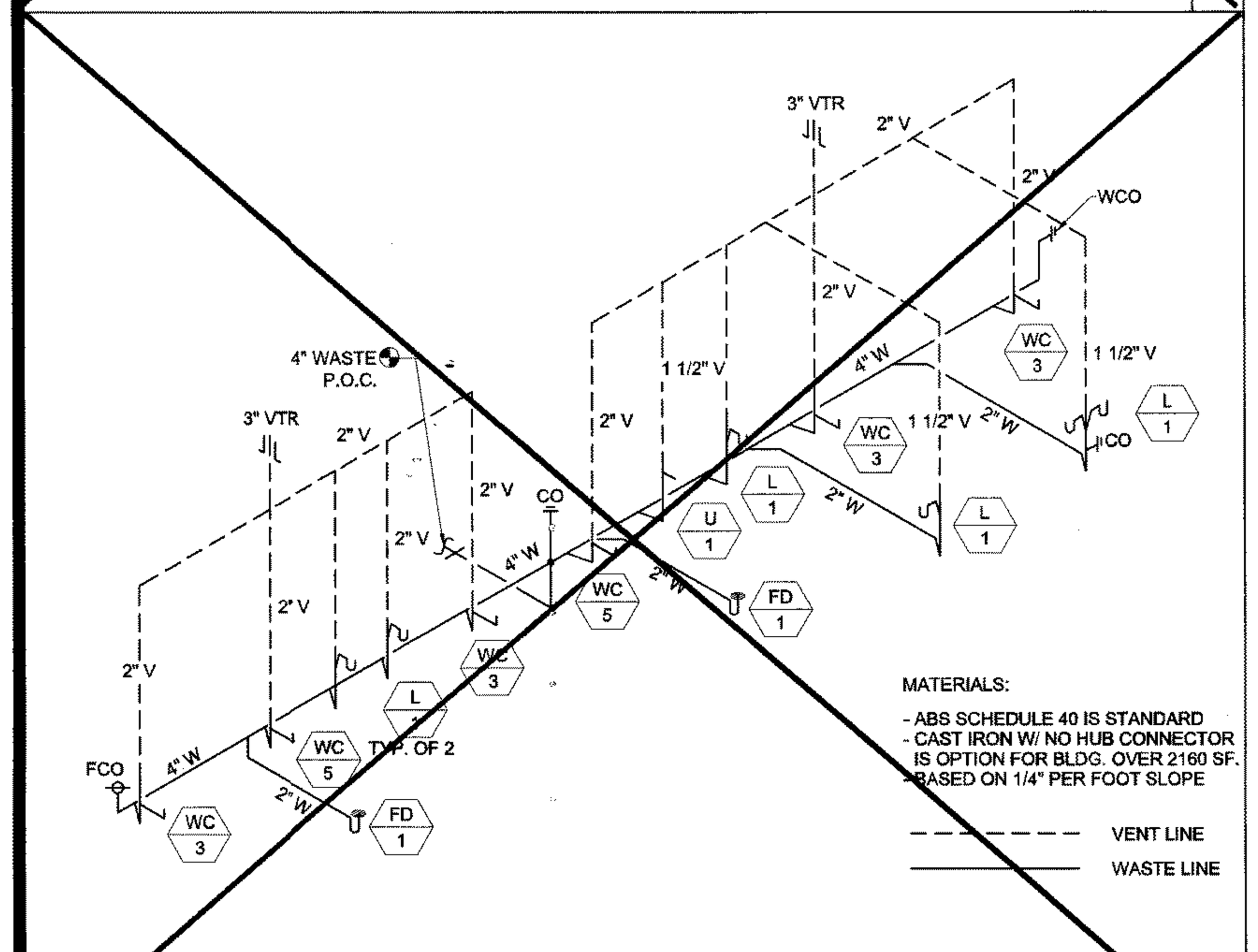
MODEL C-2

WASTE AND VENTING ISOMETRIC - FLOOR MOUNT — SCALE: N.T.S. — 10



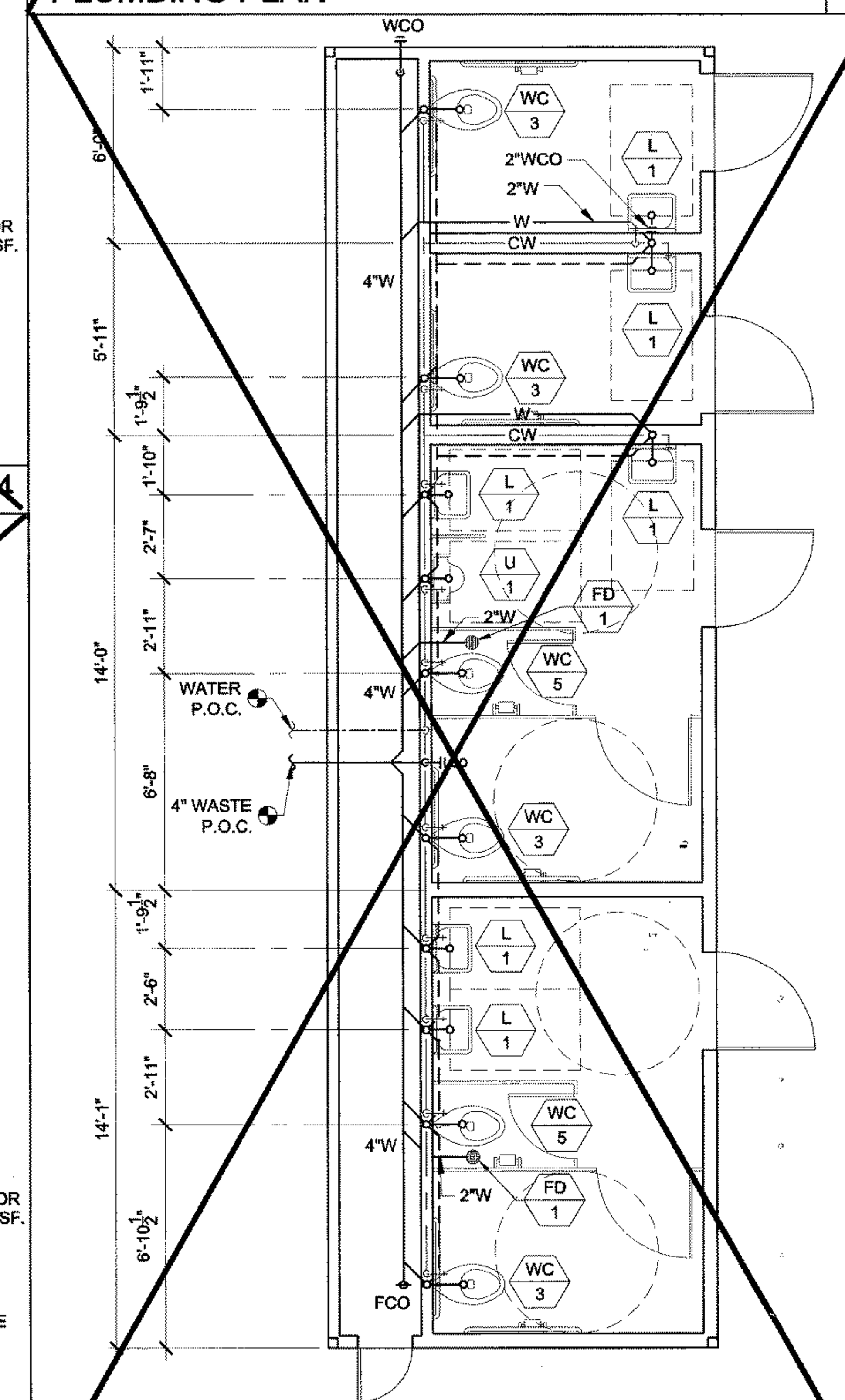
FLOOR MOUNT - MODEL C-2

PLUMBING PLAN — SCALE: 1/4" = 1-0" — 7



MODEL C-1

WASTE AND VENTING ISOMETRIC - FLOOR MOUNT — SCALE: N.T.S. — 5



FLOOR MOUNT - MODEL C-1

PLUMBING PLAN — SCALE: 1/4" = 1-0" — 2

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

PLUMBING PLAN
AND ISOMETRICS MODEL C-1 OR C-2 "ADULT"

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLIN 2475 STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLIN 2475 STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

1	
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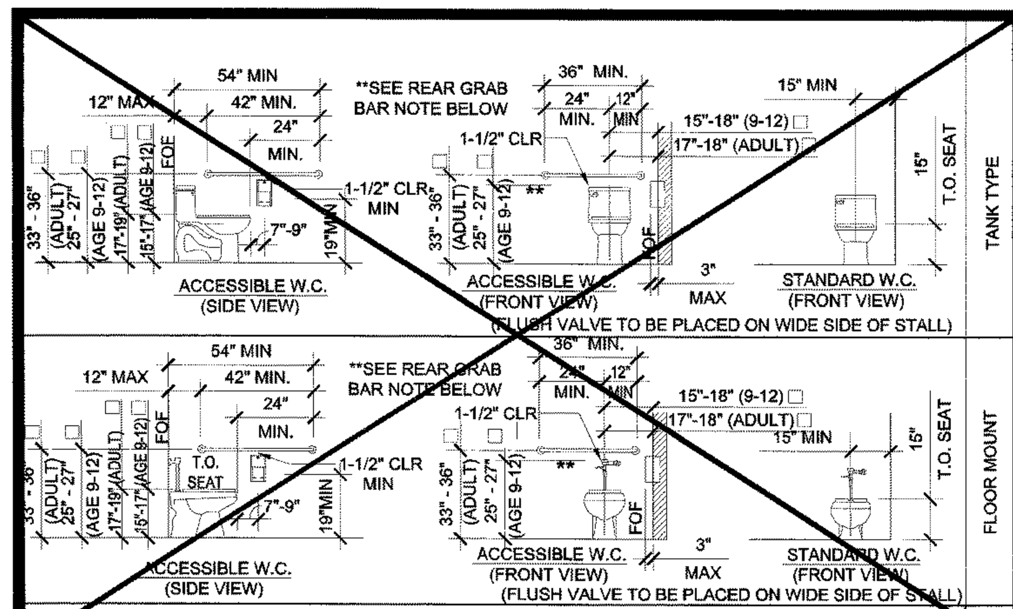
SILVER CREEK INDUSTRIES
12' x 40' PC

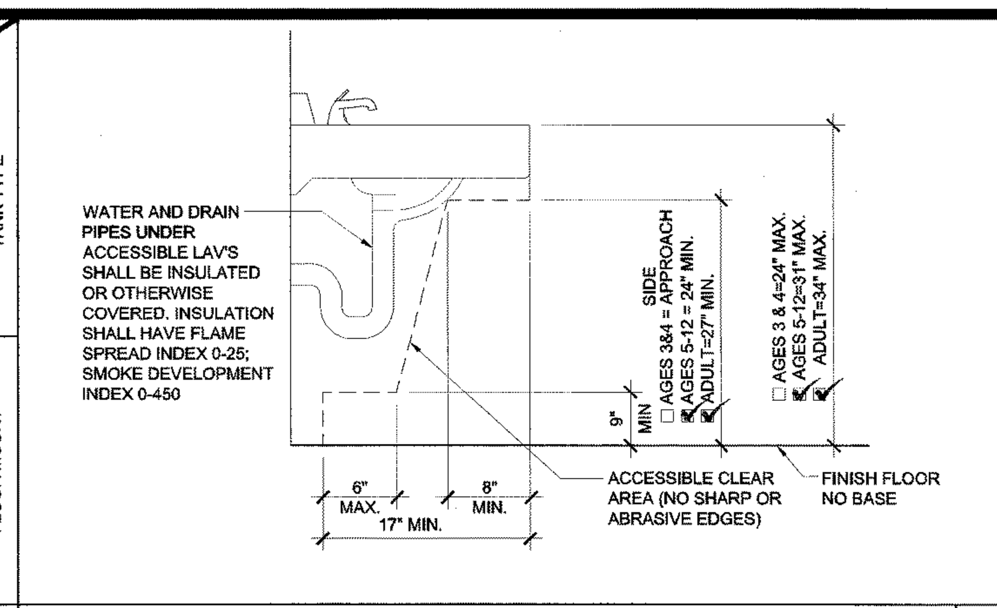
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

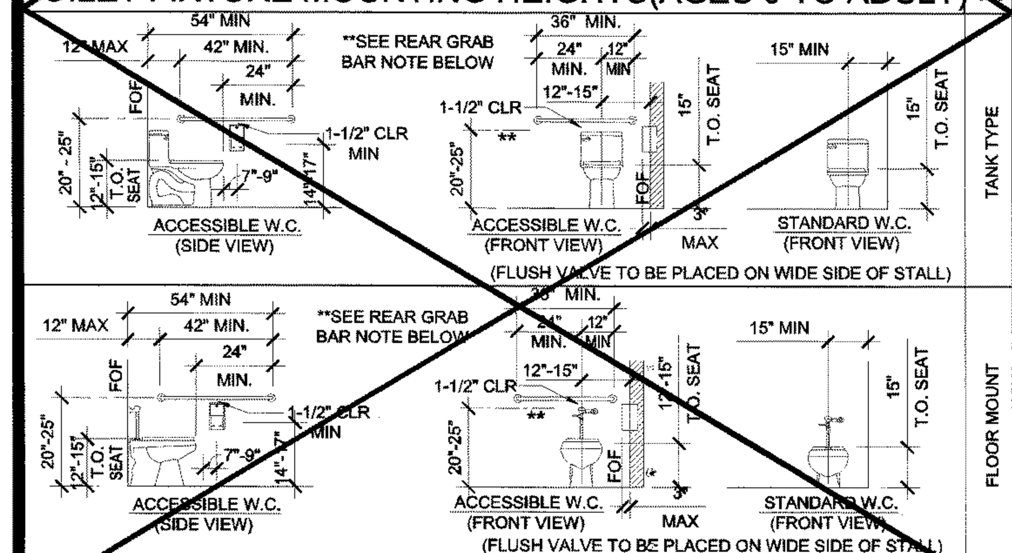
P-1.03A



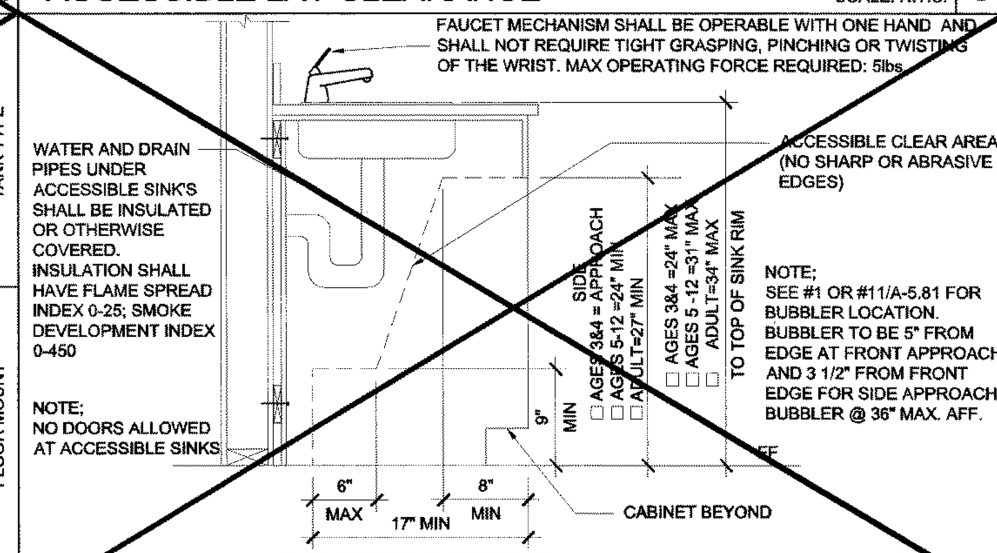
TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 11



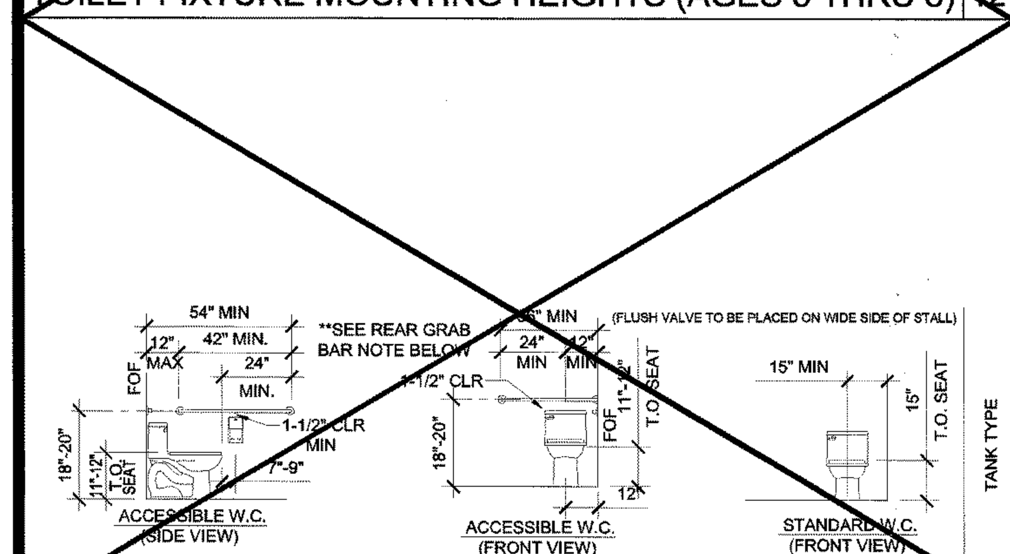
ACCESSIBLE LAV CLEARANCE SCALE: N.T.S. 6



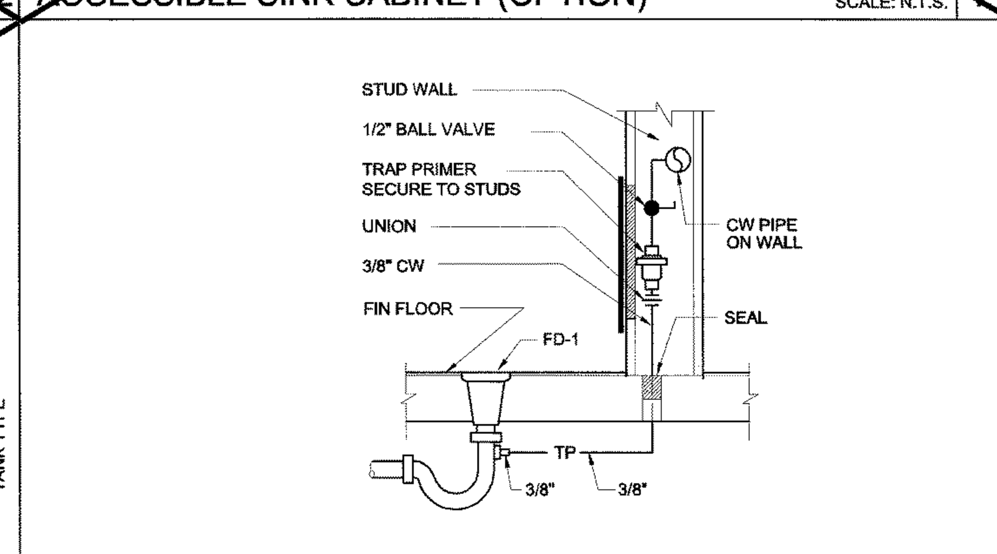
TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 12



ACCESSIBLE SINK CABINET (OPTION) SCALE: N.T.S. 7



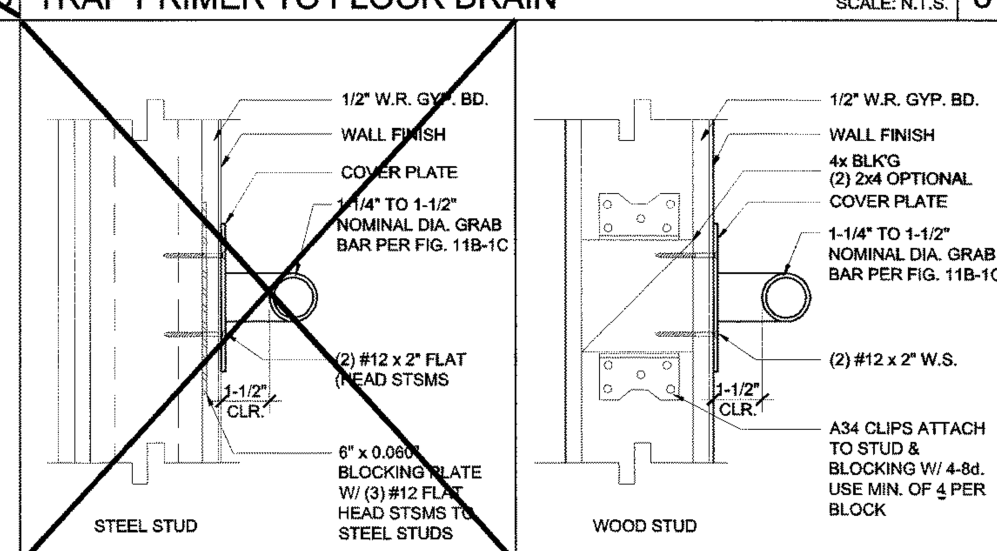
TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 13



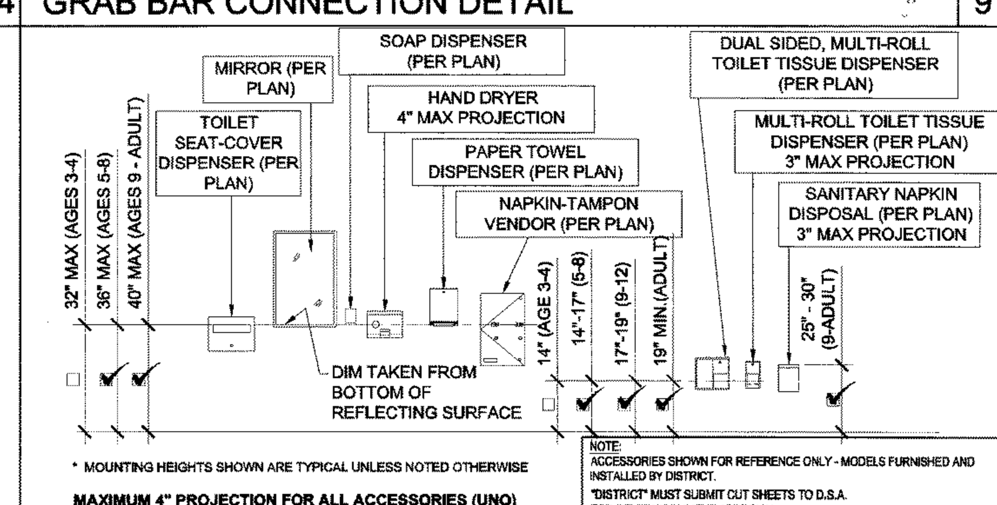
TRAP PRIMER TO FLOOR DRAIN SCALE: N.T.S. 8

NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

14



GRAB BAR CONNECTION DETAIL 9



TOILET ACCESSORIES MOUNTING HEIGHTS 15

THE DIVISION OF THE STATE ARCHITECT, OFFICE OF REGULATION SERVICES ACCEPTS THE FOLLOWING DIMENSIONS AS ADEQUATELY SERVING THE NEEDS OF CHILDREN IN PROJECTS UNDER THEIR JURISDICTION. THESE DIMENSIONS ARE BASED ON CBC TABLE 11B-604.9 SUGGESTED DIMENSIONS FOR SERVING CHILDREN AGES 3 TO 12.

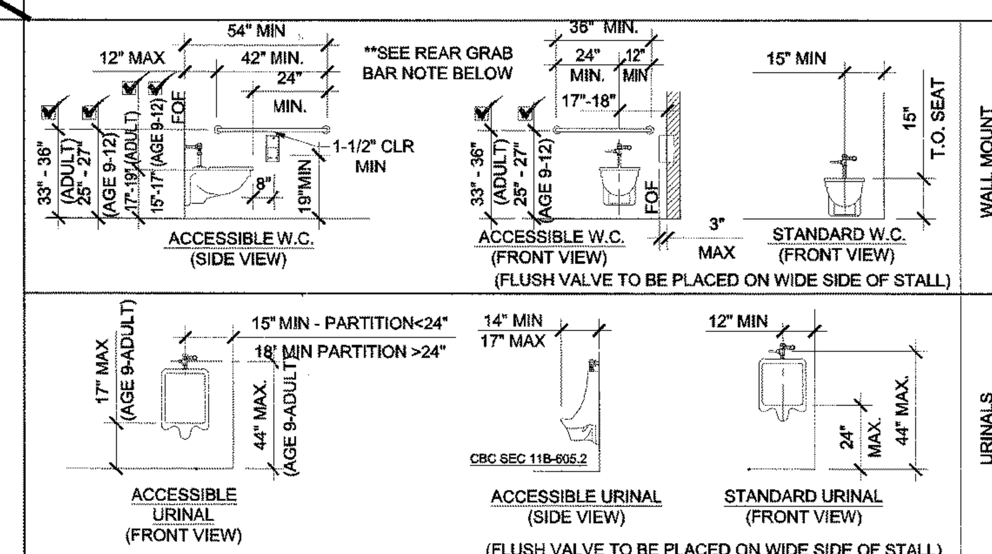
ACCESSIBILITY DIMENSIONS	11B-604.9 SUGGESTED DIMS			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL	17" - 18"	15" - 18"	12" - 15"	12"
TOILET SEAT HEIGHT (DIM TO TOP OF SEAT)	17" - 19"	15" - 17"	12" - 15"	11" - 12"
GRAB BAR HEIGHT (TO TOP)	33" - 36"	25" - 27"	20" - 25"	18" - 20"
TOILET PAPER IN FRONT OF TOILET	7" - 9"	7" - 9"	7" - 9"	7" - 9"
NAPKIN DISPOSAL IN FRONT OF TOILET	12" MAX.	12" MAX.	N/A	N/A
MIRROR HEIGHT (TO BOTTOM OF GLASS)	40" MAX.	40" MAX.	36" MAX.	32" MAX.
DISPENSER HEIGHT	19" MIN.	17" - 19"	14" - 17"	1[illegible]
LAVATORY/SINK TOP HEIGHT	34" MAX.	31" MAX.	31" MAX.	24" MAX.
LAVATORY/SINK KNEE CLEARANCE	27" MIN.	24" MIN.	24" MIN.	SIDE APPROACH
URINAL LIP HEIGHT	17" MAX.	17" MAX.	15" MAX	13" MIN.
URINAL FLUSH HANDLE HEIGHT	44" MAX.	44" MAX.	37" MAX. *	32" MAX. *
DRINKING FOUNTAIN BUBBLER HT. (LOW)	36" MAX.	30" MAX.	30" MAX.	30" MAX.
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.	SIDE APPROACH	SIDE APPROACH	SIDE APPROACH
RAMP/STAIR HANDRAIL HEIGHT (TO TOP)	34" - 38"	34" - 38"	34" - 38"	34" - 38"

STANDARD DIMENSIONS	ALTERNATE HEIGHT (DIMS)			
	ADULT	AGES 9 THROUGH 12	AGES 5 THROUGH 8	AGES 3 AND 4
TOILET CENTERING FROM WALL/PARTITION	15" MIN	15" MIN	15" MIN	15" MIN
TOILET SEAT HEIGHT/DIM TO TOP OF SEAT	15"	15"	15"	15"
TOILET CLEARANCE/FRONT	24"	24"	24"	24"
URINAL LIP HEIGHT	24"	24"	18"	16"
URINAL CENTER FROM WALL/PARTITION	12"	12"	12"	12"

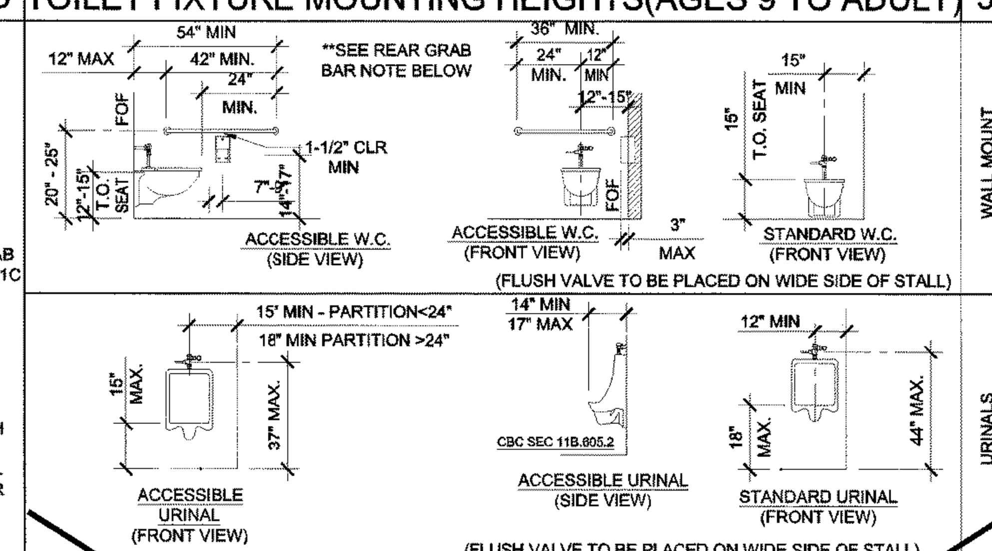
PLUMBING ACCESSORIES (REF. ONLY-MODELS FURNISHED AND INSTALLED BY DISTRICT U.N.O.)

- A — SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX. PROJECTION
- B — PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED 4" MAX. PROJECTION-CANNOT ENCROACH INTO 30x48 CLEAR SPACE OF FIXTURE
- C — TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION
- D — TOILET SEAT DISPENSER: SURFACE MOUNTED

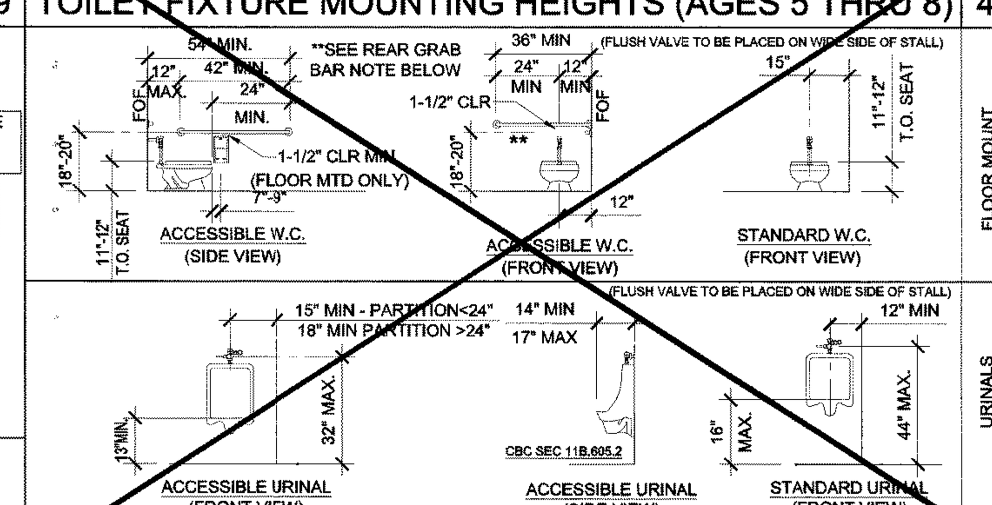
★ 44" MAX. PER CODE



TOILET FIXTURE MOUNTING HEIGHTS (AGES 9 TO ADULT) 3



TOILET FIXTURE MOUNTING HEIGHTS (AGES 5 THRU 8) 4



TOILET FIXTURE MOUNTING HEIGHTS (AGES 3 AND 4) 5

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
WC 1	[AGE 5 TO ADULT] WATER CLOSET WALL MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1731 WALL (1.28 GPF) ALT: AMERICAN STD 2856.128 VITREOUS CHINA ELONGATED RIM, FLUSH VALVE TYPE, SIPHON JET; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE; JAY R SMITH #210-LY OR RY NO-HUB ADJUSTABLE FIXTURE SUPPORT CARRIER
WC 2	[AGE 5 TO ADULT] WATER CLOSET WALL MTD/ FLUSH (NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1731 WALL (1.28 GPF) ALT: AMERICAN STD 2856.128 VITREOUS CHINA ELONGATED RIM, FLUSH VALVE TYPE, SIPHON JET; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE; JAY R SMITH #210-LY OR RY NO-HUB ADJUSTABLE FIXTURE SUPPORT CARRIER
WC 3	[ADULT] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO PF1723 (1.28 GPF) ALT: AMERICAN STD 3043.001 "MADERA" 16 3/4" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 10" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 4	[AGE 9-12] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1721 (1.28 GPF) ALT: AMERICAN STANDARD 2234.001 MADERA 15" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 5	[AGE 9 TO ADULT] WATER CLOSET FLOOR MTD/FLUSH (NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO STANDARD PF1721 (1.28 GPF) ALT: AMERICAN STANDARD 2234.001 MADERA 15" HIGH, VITREOUS CHINA ELONGATED RIM, SIPHON JET, 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
WC 6	[AGE 3-4] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE & NON-ACCESSIBLE)	1"	-	3"	2"	STD: PROFLO PF1700BB (1.28 GPF) ALT: AMERICAN STANDARD BABY DEVORO 2282.010 VITREOUS CHINA ELONGATED RIM, 10" ROUGH-IN LOW CONSUMPTION CLOSET BOWL; OLSONITE 126CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSH VALVE
WC 7	[ADULT] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-			STD: PROFLO PF9403 (1.28 GPF) ALT: AMERICAN STANDARD ADA 2758.128, 17 HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE; 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 8	[AGE 9-12] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-			STD: PROFLO STANDARD PF9401 (1.28 GPF) ALT: AMERICAN STANDARD 2832.128, 16" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE; 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 9	[AGE 9 TO ADULT] WATER CLOSET TANK TYPE (NON-ACCESSIBLE)	1/2"	-			STD: PROFLO STANDARD PF9401 (1.28 GPF) ALT: AMERICAN STANDARD 2832.128, 16" HIGH, VITREOUS CHINA ELONGATED RIM, TANK TYPE; 12" ROUGH-IN; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 10	[AGE 3-4] WATER CLOSET TANK TYPE (ACCESSIBLE & NON-ACCESSIBLE)	1/2"	-			STD: PROFLO PF1704BB (1.28 GPF) ALT: AMERICAN STANDARD 2315.016 BABY DEVORO 10" HIGH, 10" ROUGH-IN, VITREOUS CHINA ELONGATED RIM, TANK TYPE; OLSONITE 10CC SOLID OPEN WHITE ELONGATED PLASTIC SEAT
WC 11	[AGE 5-8] WATER CLOSET TANK TYPE (ACCESSIBLE)	1/2"	-			STD: PROFLO PF1704BB (1.28 GPF) ALT: AMERICAN STANDARD 2315.016 BABY DEVORO 10" HIGH, 10" ROUGH-IN, VITREOUS CHINA ELONGATED RIM, TANK TYPE; CHURCH 2L2155T (2" LIFT) SOLID OPEN WHITE ELONG. PLASTIC SEAT
WC 12	[AGE 5-8] WATER CLOSET FLOOR MTD/FLUSH (ACCESSIBLE)	1"	-			AMERICAN STANDARD 2599.001 MADERA YOUTH (1.28 GPF) 14" HIGH, VITREOUS CHINA ELONG. RIM, SIPHON JET, 10" ROUGH-IN; OLSONITE 10SSCTFR ELONG. WHITE PLASTIC SEAT; SLOAN ROYAL #111-1.28 LOW CONSUMPTION FLUSHOMETER VALVE
LAV 1	LAVATORY (ACCESSIBLE)	1/2"	-	2"	1 1/2"	STD: AMERICAN STANDARD 0355.012 LUCERNE ALT: CRANE 1-412V "HARWICH" 20X18" VITREOUS CHINA; JAY R SMITH #722 CONCEALED HANGER; OLYMPIA #6161 SINGLE HANDLE FAUCET (0.5 GPM)
UR 1	URINAL (ACCESSIBLE)	3/4"	-	2"	1 1/2"	STD: PROFLO PF 1815 (0.125 GPF) ALT: AMERICAN STANDARD 6550.005 VITREOUS CHINA, WALL HUNG, SIPHON JET URINAL WITH INTEGRAL TRAP; SLOAN REGAL 186-0.125 LOW CONSUMPTION FLUSHOMETER VALVE
UR 2	URINAL (NON-ACCESSIBLE)	3/4"	-	2"	1 1/2"	STD: PROFLO PF 1815 (0.125 GPF) ALT: AMERICAN STANDARD 6550.005 WASHOUT VITREOUS CHINA, WALL HUNG URINAL WITH INTEGRAL TRAP; SLOAN REGAL 186-0.125 LOW CONSUMPTION FLUSHOMETER VALVE
FD 1	FLOOR DRAIN	-	-	2"	1 1/2"	JAY R SMITH #2005YA-02-P050-NB. FLOOR DRAIN TAPPED FOR PRIMER. 5" NICKEL BRONZE STRAINER W/ 1/4" MAX. GRATE OPENINGS
TP 1	TRAP PRIMER	1/2"	-	-	-	PR-500 WITH 8"X12" LOCKABLE BOX, 1/2" BALL SHUT-OFF VALVE, AND PPP DU-U FRESH WATER DISTRIBUTION SYSTEM
WHA 1	WATER HAMMER ARRESTOR	1"	-	-	-	PPP SC-1000
GB 1	GRAB BAR	-	-	-	-	BOBRICK B-6806-1-1/2 OC STAINLESS STEEL GRAB BAR - SATIN FINISH; 36" LONG ON BACK AND 42" ON SIDE
MR 1	MIRROR	-	-	-	-	SERIES 530 RETURNED MIRRORS STAINLESS STEEL - 18GA 18"X24" - "J" SHEET METAL MANUFACTURED OR APPROVED EQUAL
PAR 1	TOILET PARTITION	-	-	-	-	METAL POWDER COATED
SS 1	SERVICE SINK	1/2"	1/2"	2"	1 1/2"	KOHLER K-6714 "BANNON" 22"X18" CAST IRON, ACID RESISTANT SINK; K-8905-RP "KNOXFORD" FAUCET; K-6672 2" I.P.S. TRAP
MS 1	MOP SINK	1/2"	1/2"	2"	1 1/2"	KOHLER K-6710 "WHITBY" 28"X28" CAST IRON W/ CHIGAGO FAUCET 956-R, 853 WALL HOOK, AND 2" K-9142 STRAINER
CS 1	CLASSROOM SINK (OPTION)	1/2"	1/2"	2"	1 1/2"	JUST CRA-1725-A-GR 17"x25" w/ 4 1/2" BOWL DEPTH, WITH CHICAGO FAUCET #350 AND BUBBLER JSB-10
WH 1	WATER HEATER (OPTION)	3/4"	3/4"	-	-	☑ A.O. SMITH #DEL-6 (6 GALLON) ☐ A.O. SMITH #DEL-10 (10 GALLON)
WH 2	INSTANT WATER HEATER (OPTION)	1/2"	1/2"	-	-	EEMAX #SP3012, 120V, 3.0KW, 25A
DF 1	DRINKING FOUNTAIN	1/2"	-	2"	1 1/2"	HALSEY-TAYLOR / BI-LEVEL HAC8FSBL-Q / COOLING TYPE

**NOTE;
WHERE FLUSH VALVES OR TOILET TANKS CONFLICT WITH THE REAR GRAB BAR, THE 36" REAR GRAB BAR SHALL BE SHIFTED TO THE OPEN SIDE OF THE TOILET AREA WITH 1 1/2" MIN. CLEARANCE FROM FIXTURE OR CONTROL VALVE.

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

PLUMBING DETAILS AND SCHEDULE

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARLING STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ___ FLS ___ SS ___
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 55-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

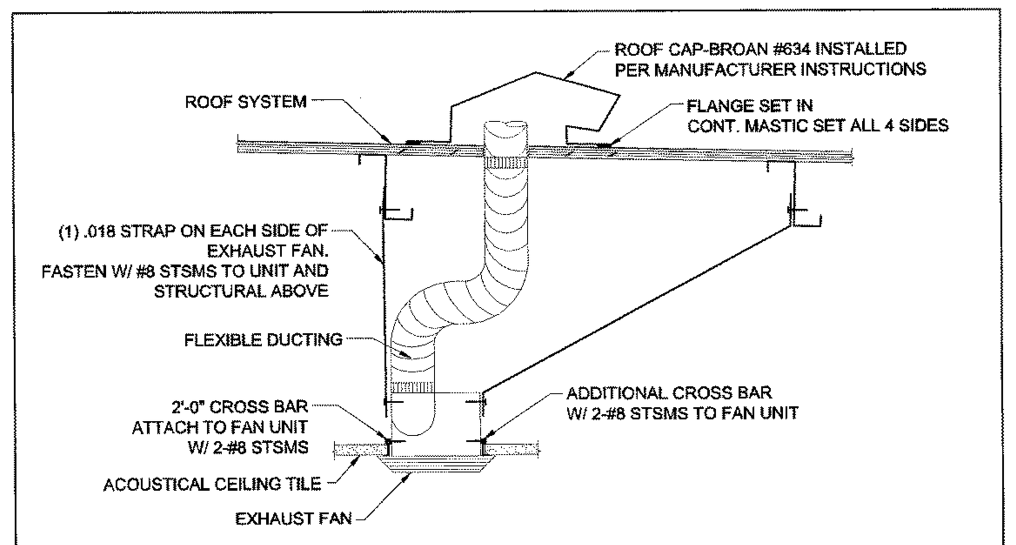
P.C. SHEET NUMBER

P-2.01

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

LEGEND

SYMBOL	ABB.	DESCRIPTION
	SAD	SUPPLY AIR DUCT
	RAD	RETURN AIR DUCT
	EAD	EXHAUST AIR DUCT
	(L)	LINED DUCTWORK
	CD	SUPPLY CEILING DIFFUSER
	CR	RETURN CEILING REGISTER
	ER	EXHAUST CEILING REGISTER
	VTR	VENT THRU ROOF
	FD	FIRE DAMPER
	MVD	MANUAL VOLUME DAMPER
UC	UC	UNDERCUT DOOR
T	STAT	THERMOSTAT
BT	BT	BYPASS TIMER
	P.O.C	POINT OF CONNECTION



EXHAUST FAN INSTALLATION — SCALE: 1"=1'-0"

GENERAL NOTES

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.6, 13.6.7, 13.6.5.6 AND 2016 CBC SECTIONS 1616A.1.23, 1616A.1.24, 1616A.1.25 AND 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

CEILING MOUNTED EXHAUST FAN SCHEDULE

SYM.	LOCATION	SERVICE	MANUF.	MODEL	CFM	SONES	SP	ELECTRICAL VOLTS	ELECTRICAL Ø	ELECTRICAL POWER	WGT.	REMARKS
EF 1	CEILING	TOILET EXHAUST	BROAN*	676	100	4.0	0.25	120	1	156 WATTS	7 LBS.	WITH BROAN ROOF CAP #636. PROVIDE 4" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 2	CEILING	TOILET EXHAUST	BROAN*	L100	109	1.0	0.25	120	1	87 WATTS	22.80 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 3	CEILING	TOILET EXHAUST	BROAN*	L200	210	2.0	0.25	120	1	127 WATTS	23.0 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 4	CEILING	TOILET EXHAUST	BROAN*	L300	308	2.8	0.25	120	1	212 WATTS	23.10 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

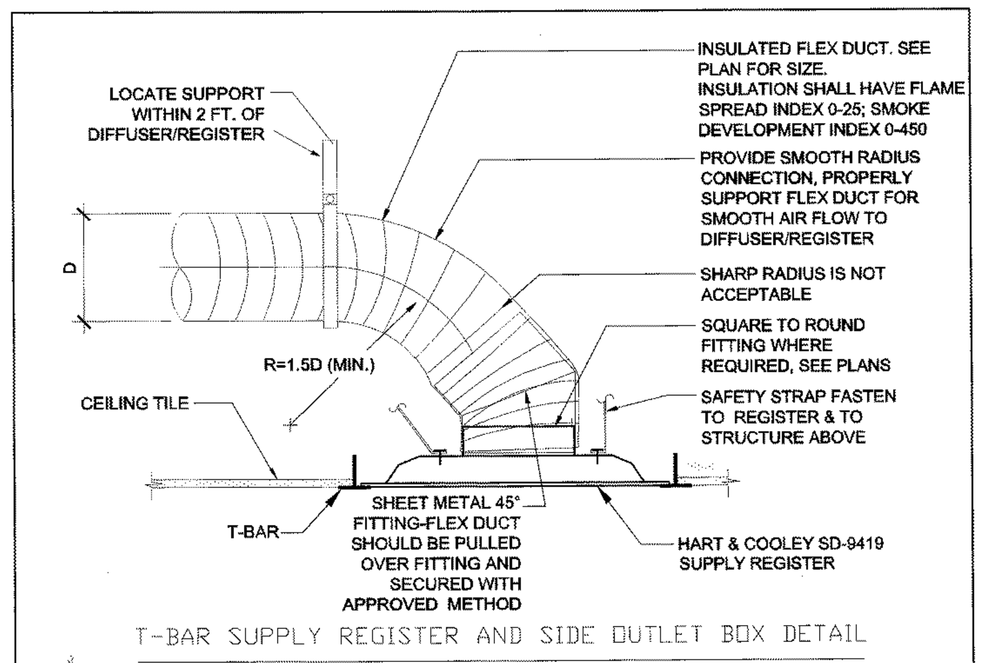
* OR APPROVED EQUAL.

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)

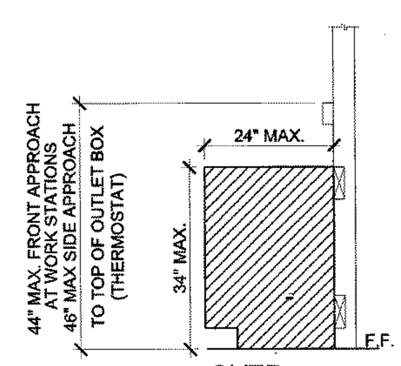
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR SUPPLY 16X16-4W	6"Ø	0 - 150	Fixed Curve Blade, 4-way throw
	8"Ø	150 - 230	For lay-in T-bar ceilings use Harth & Cooley SD-9419. (Sizes as shown on Mech Plan)
	10"Ø	230 - 350	
	12"Ø	350 - 460	
	14"Ø	460 - 640	

PERFORATED FACE GRILLE SCHEDULE (RETURN)

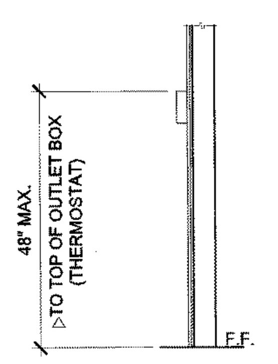
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR RETURN	6"Ø	0 - 230	Perforated face For lay-in T-bar ceilings use Shoemaker 105P with 24 ga., 45 deg. angle. (Sizes as shown on Mech Plan.)
	10"Ø	230 - 460	
	14"Ø	460 - 710	



SUPPLY CEILING DIFFUSER MOUNTING — SCALE NONE — D

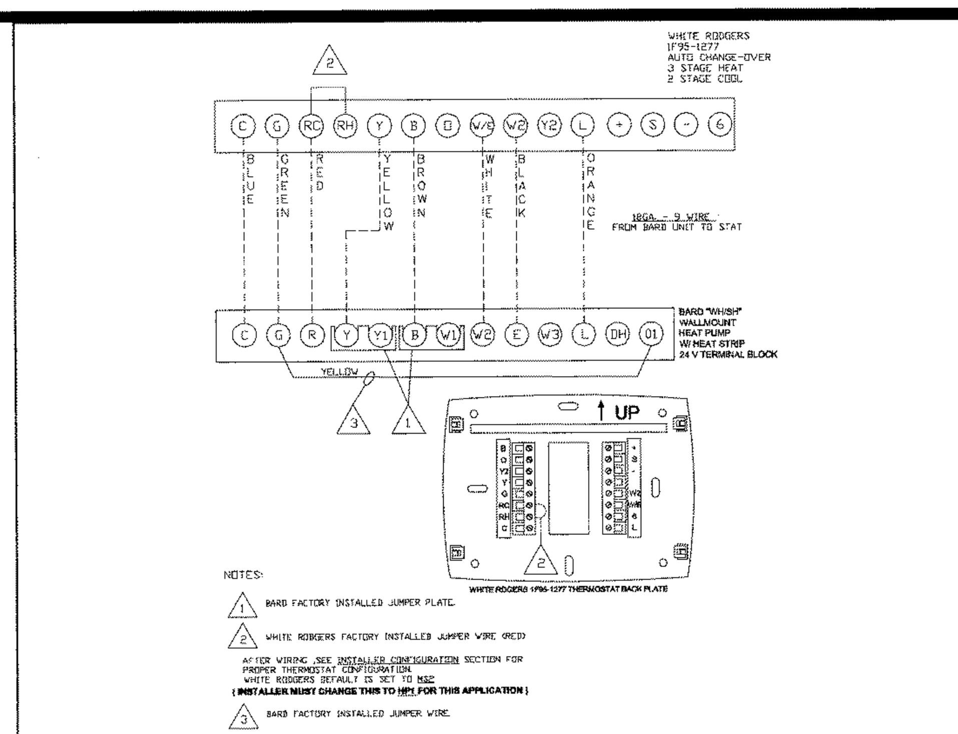


OVER OBSTRUCTION

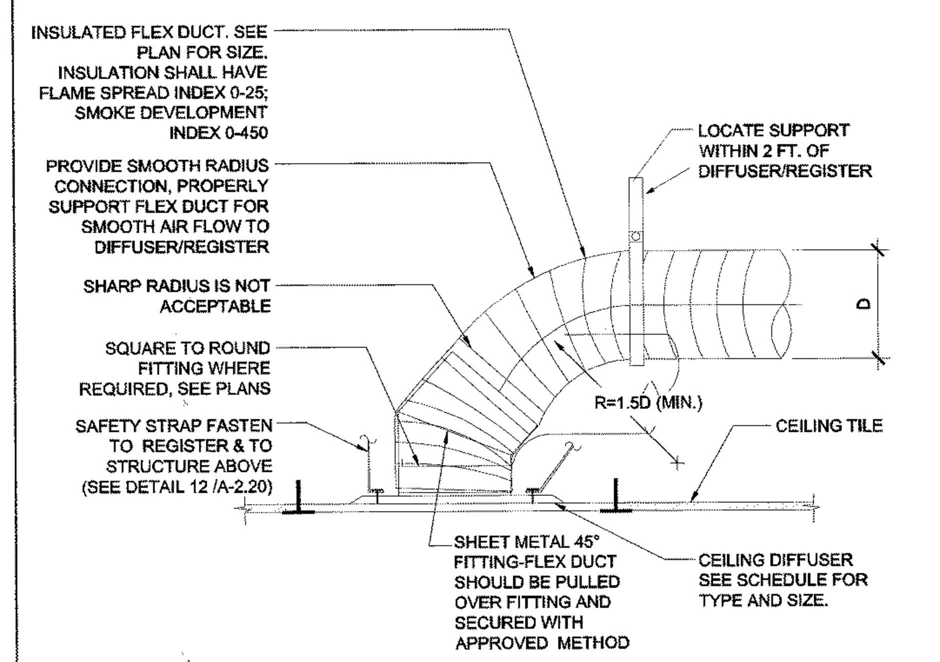


MOUNTING HEIGHTS

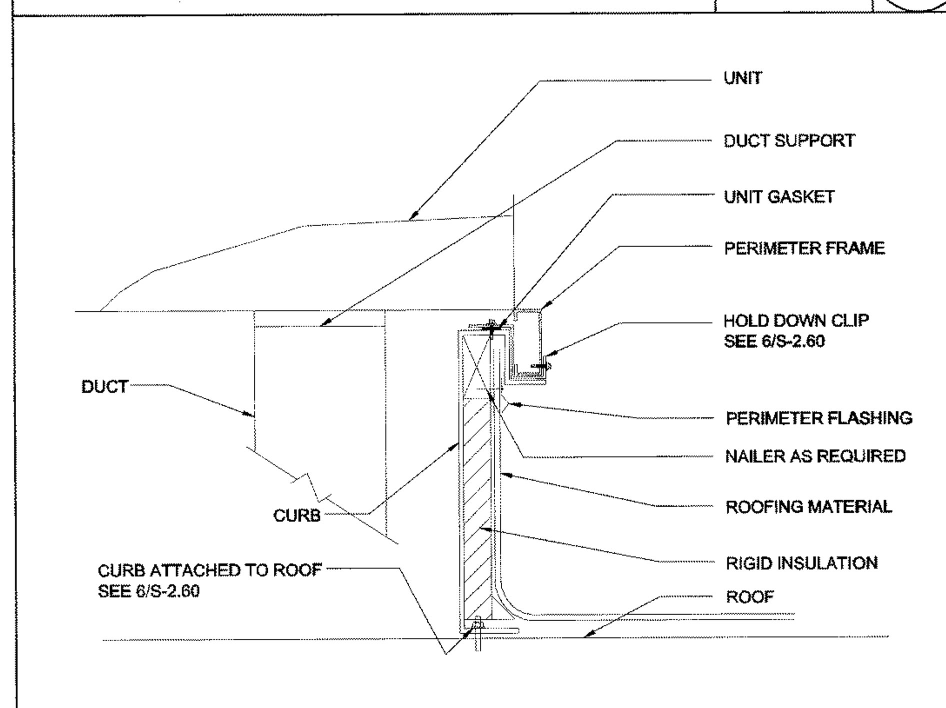
△ PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR PERPENDICULAR APPROACH AT EACH LOCATION



UNIT TO THERMOSTAT WIRING — SCALE NONE — A



RETURN CEILING DIFFUSER MOUNTING — SCALE NONE — B



A/C UNIT MOUNTING — SCALE NONE — C

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

MECHANICAL NOTES, SCHEDULES, & DETAILS

STOCKPILE PROFESSIONAL

12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS tb SS
DATE DEC 1 3 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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SILVER CREEK INDUSTRIES
12' x 40' PC

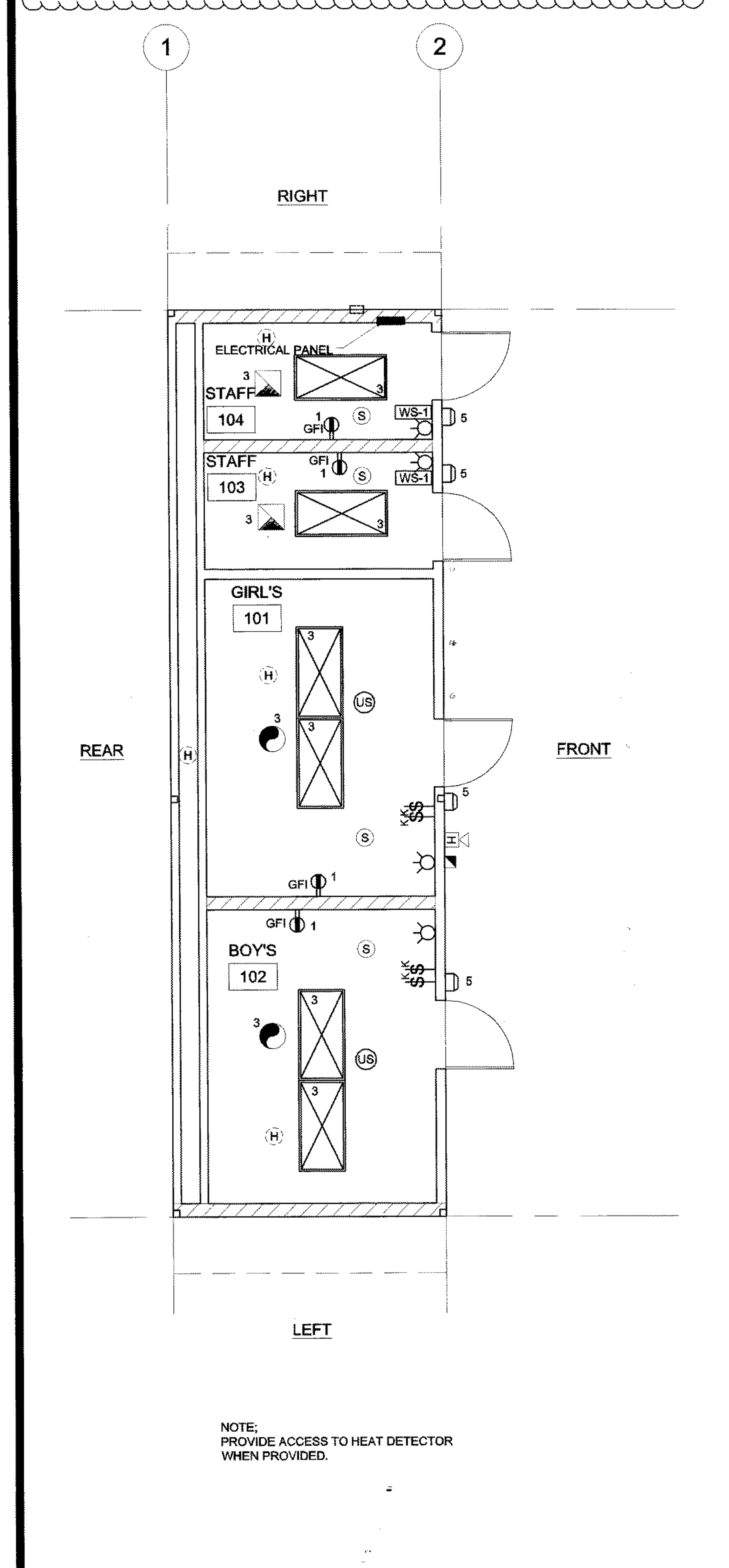
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

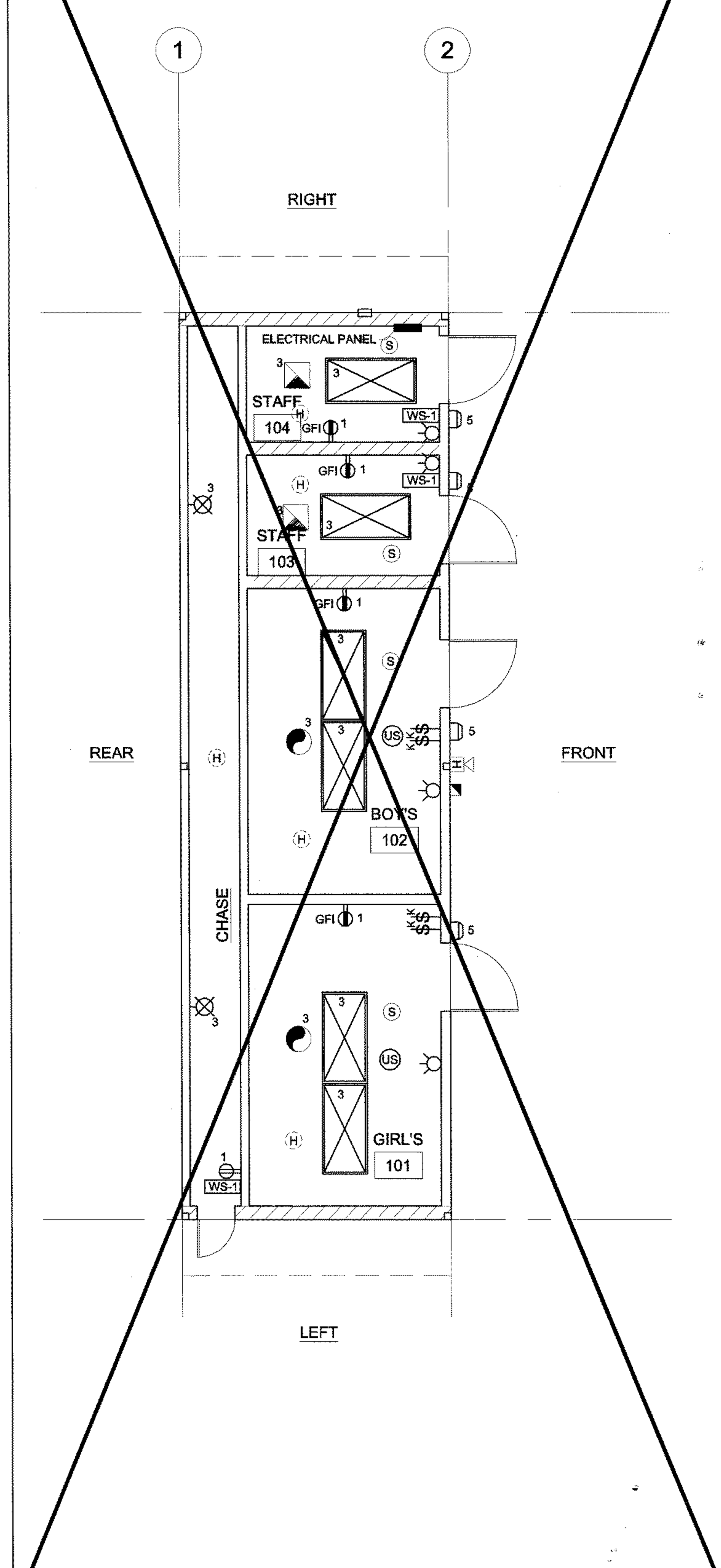
M-0.1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

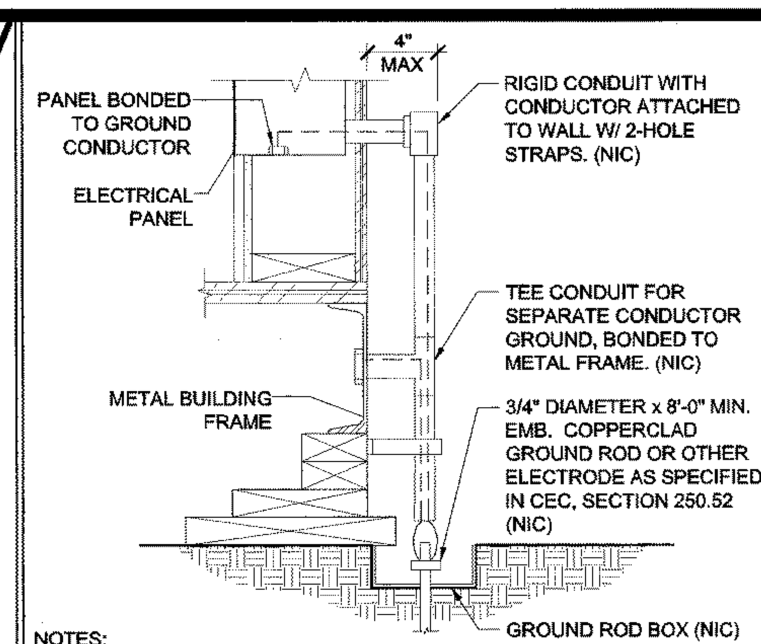
NOTE:
PROVIDE J-BOX FOR WATER HEATER @ STAFF LAVATORIES ON CIRCUITS 2+4, 3kw, 120v, 30A BREAKERS



ELECTRICAL PLAN - MODEL C-2 SCALE: 1/4" = 1'-0" 5



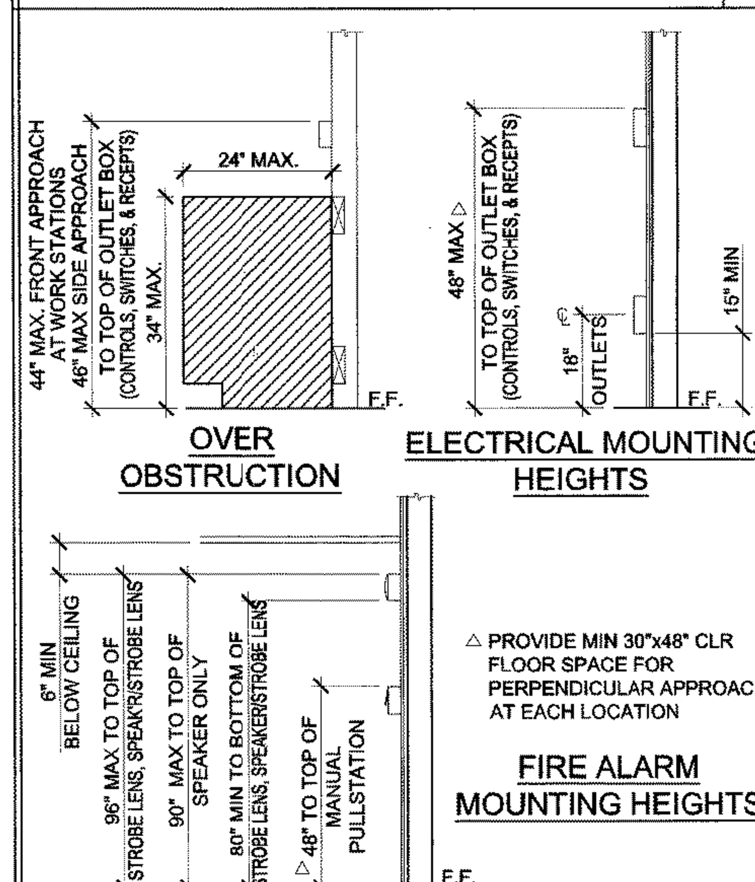
ELECTRICAL PLAN - MODEL C-1 4



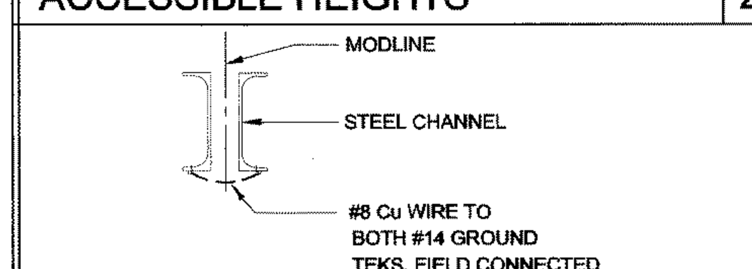
NOTES:

1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250.66
2. ELEC. TRADE SHALL CHECK AREA FOR EXISTING CONDUITS, SEWER, GAS & WATER PIPING BEFORE DRIVING GROUND RODS.
3. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC'L. PANEL & TO METAL BUILDING FRAME (CEC 250.52) IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
4. ALL MODULES OF METAL FRAME BLDGS. SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). BONDING SHALL INCLUDE METAL RAMP.
5. CHECK RESISTANT TO GROUND ROD, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (CEC 250.56).

TYPICAL GROUNDING DETAIL 1



ACCESSIBLE HEIGHTS 2



GROUND JUMPER AT MODLINE 3

GROUND JUMPER AT MODLINE

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD, WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCES TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAYBE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

SCHOOL EQUIPMENT ANCHORAGE

ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.

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2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
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A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR SHALL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

FIRE ALARM NOTES

1. SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
2. PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72 4.4.1.4.2.2

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 90°C. COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED 1/2" C	3/4" C	1" C	1 1/4" C
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX	SIZE	CU. IN.	MAX NO. OF CONDUCTORS #12	#10	#8	#6
4SS	1 1/4" x 4" SQ	18.0	8	7	6	0
4S	1 1/2" x 4" SQ	21.0	9	8	7	0
4SD	2 1/8" x 4" SQ	30.3	13	12	10	6
4SX	2 7/8" x 4" SQ	43.5	23	21	17	10
5SD	2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX	3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
664	4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 60 WATTS MAX.
- WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS
- ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS
- ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT (U.N.O.)
- OS — CEILING MOUNTED OCCUPANCY SENSOR. WATTSTOPPER #LMPC-100 OR EQUAL.
- PC — CEILING MOUNTED PHOTOCELL, WATTSTOPPER #LMLS-500
- US — ULTRASONIC CEILING OCCUPANCY SENSOR. WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYED LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/ PARTITIONS.
- WS-1 — SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.
- RC — LIGHTING MANAGEMENT SYSTEM ROOM CONTROLLER, INSTALLED ABOVE CEILING, LOCATION AND # OF LOADS/ZONES TO BE VERIFIED. WATTSTOPPER # LMRC-2XX
- $^D — SINGLE BUTTON DIMMER SWITCH, AT +48" AFF. TO TOP OF OUTLET BOX, WATTSTOPPER #LMDM-101
- $ — LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- $^3 — 3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- $^K — KEYED SWITCH MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
- WP — EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24 " AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- GFI — GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- ROOF — ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- EM — EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30w MAX. MOUNT AT +93" AFF
- CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- EXIT — EXIT SIGN WITH 90 MIN. BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL)
- 4SD J-BOX FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULL STRING
- 4SD J-BOX FOR FIRE ALARM STROBE OR VOICE EVAC SPEAKER (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULL STRING
- H — 4SD J-BOX FOR EXTERIOR FIRE ALARM SPEAKER (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULL STRING
- RECESSED 4SD J-BOX W / COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULL STRING
- S — 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- H — 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- WH — 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE, HARD WIRE TO UNIT
- 100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 300 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 60 WATTS MAX. EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.
- 2x4 SURFACE MOUNTED OR RECESSED LED LIGHT FIXTURE, DIMMABLE, 40 WATTS MAX.
- LED WALL PACK LIGHT FIXTURE, 15 WATTS

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

ELECTRICAL PANEL

VOLTS: 120/208 V					PANEL: "A" (MODEL C-1 & C-2)							FEED: REAR	
MAIN: 100A					LOCATION: INTERIOR ACCESS							MOUNTING: RECESSED	
LOAD	QTY	WATTS AØ	WATTS BØ	BREAKER Amps	P	Circuit	Circuit	BREAKER Amps	P	WATTS AØ	WATTS BØ	QTY	LOAD
RECEPTACLES / GFI	5	900		20	1	1	2						
INTERIOR LIGHTING / EXHAUST FAN	12		780	20	1	3	4						
EXTERIOR LIGHTING	4	168		20	1	5	6						
EMPTY						7	8						
DED - SOLAR READY						9	10						
DED - SOLAR READY						11	12						
						13	14	20	1		40		FIRE ALARM (LOCK-ON)
A = 1068 WATTS / PHASE		1068	780								40		B = 820 WATTS / PHASE
TOTAL = 1888 WATTS		9.08 AMPS		120/208 VOLTS				1 Ø					3 WIRE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
ELECTRICAL PLAN
AND SCHEDULE
MODEL C-1 OR C-2

REGISTERED PROFESSIONAL ENGINEER JOHN W STARK STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER JOHN W STARK STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS FLS SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS
1
2
3
4
5
6
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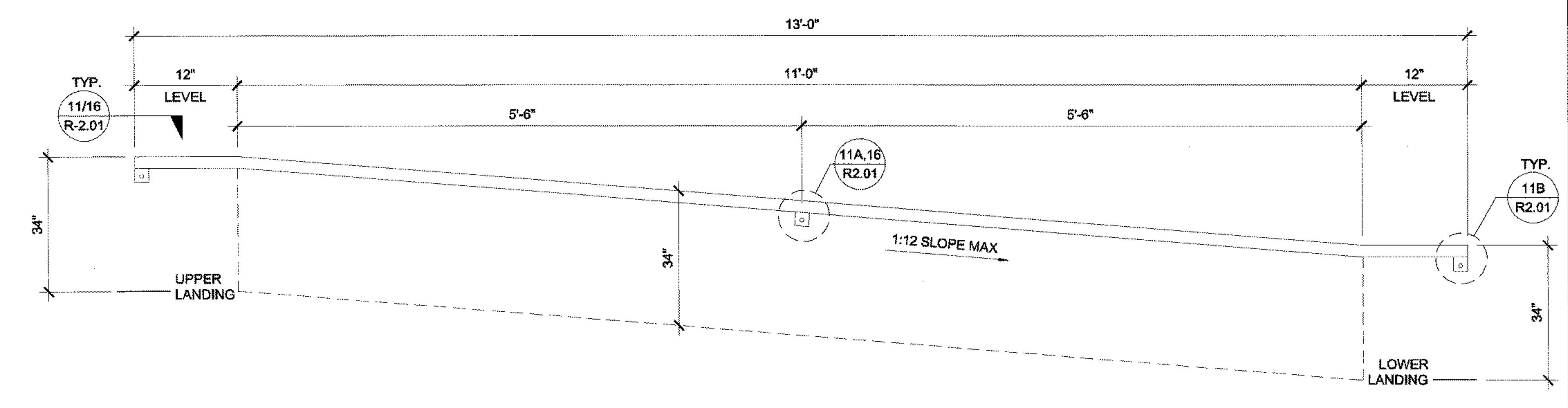
8

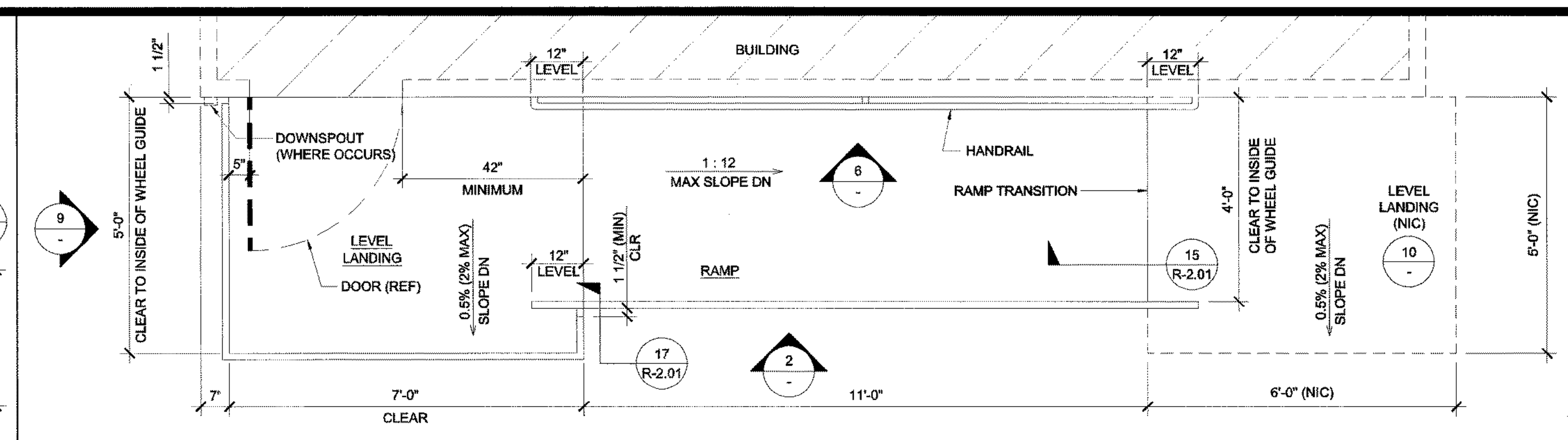
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
E-1.03

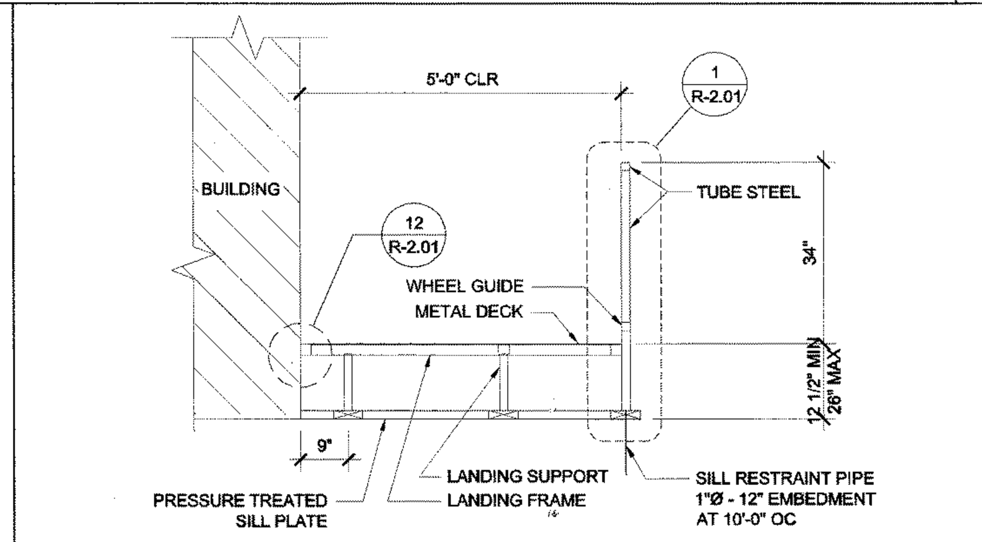


HANDRAIL ATTACHMENT TO BUILDING — SCALE : 1" = 1'-0" — 6

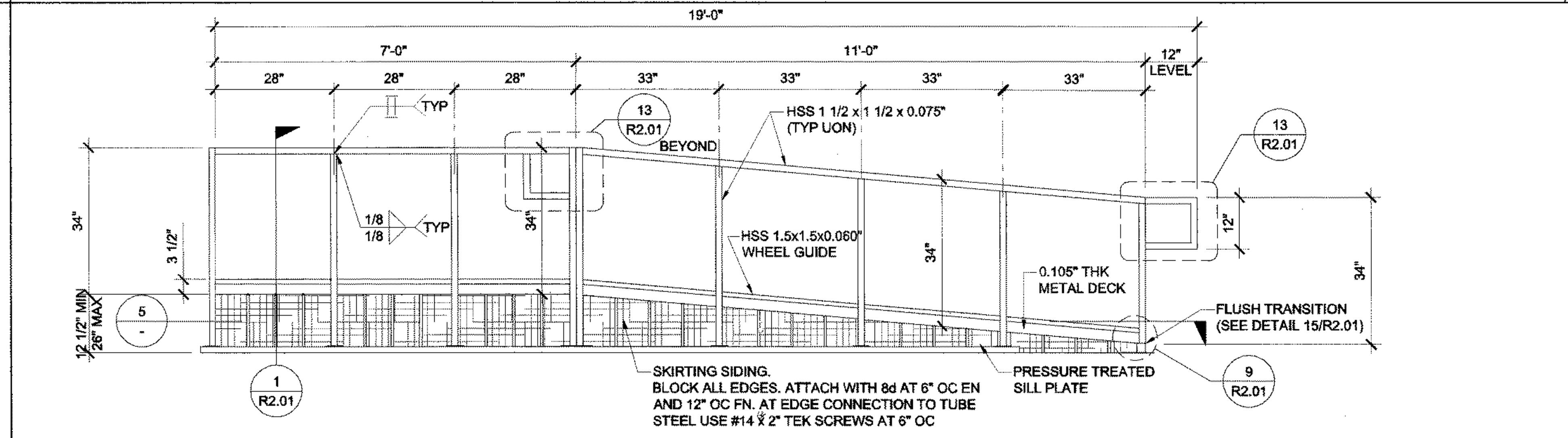


RAMP AND LANDING AT BUILDING — SCALE : 1/2" = 1'-0" — 1

11

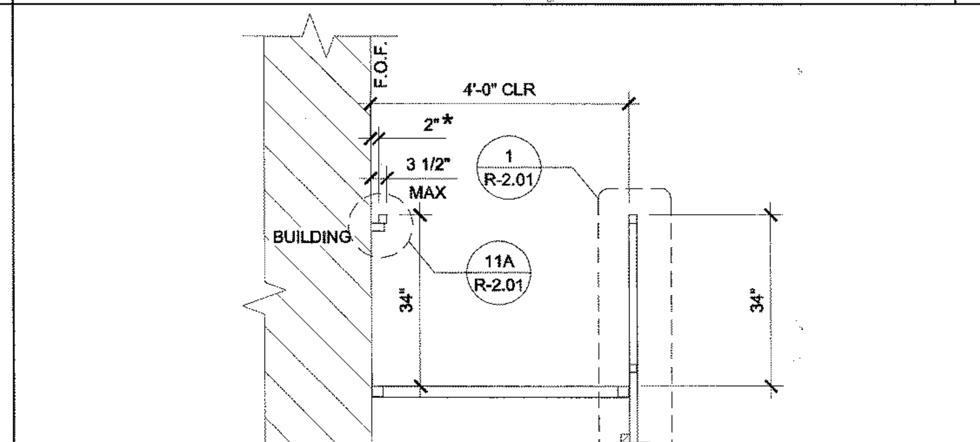


SECTION AT LANDING — SCALE : 1/2" = 1'-0" — 7



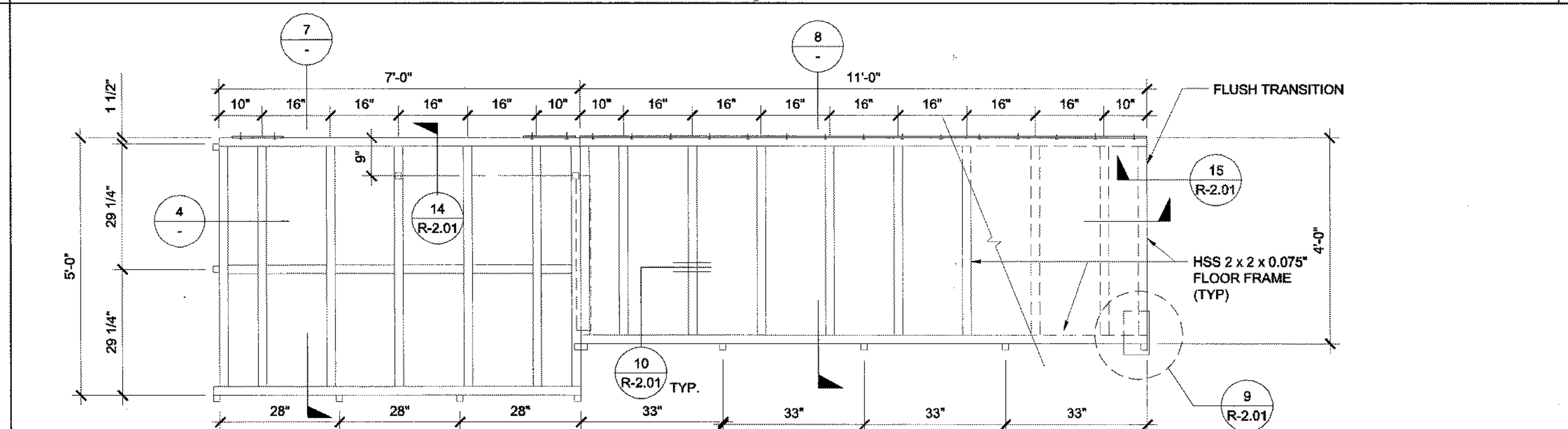
RAMP AND LANDING ELEVATION — SCALE : 1/2" = 1'-0" — 2

12



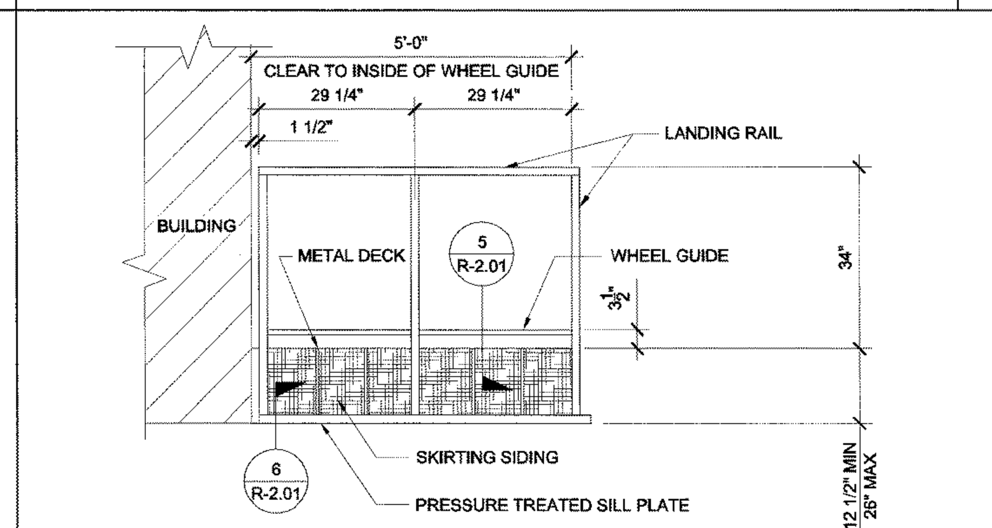
NOTE (*)
1. ALL SURFACES SHALL BE SMOOTH WITH NO SHARP CORNERS, PER CBC 11B-505.6 WALL TO BE SMOOTH AND TO EXTEND 8" ABOVE HANDRAIL

SECTION AT RAMP — SCALE : 1/2" = 1'-0" — 8

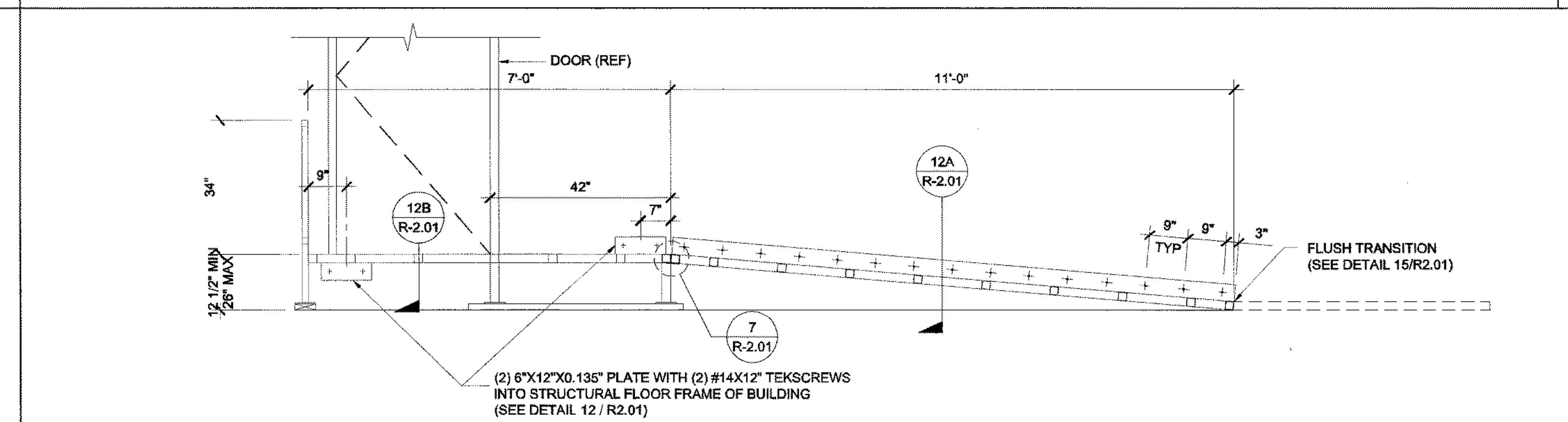


RAMP FRAMING PLAN — SCALE : 1/2" = 1'-0" — 3

13

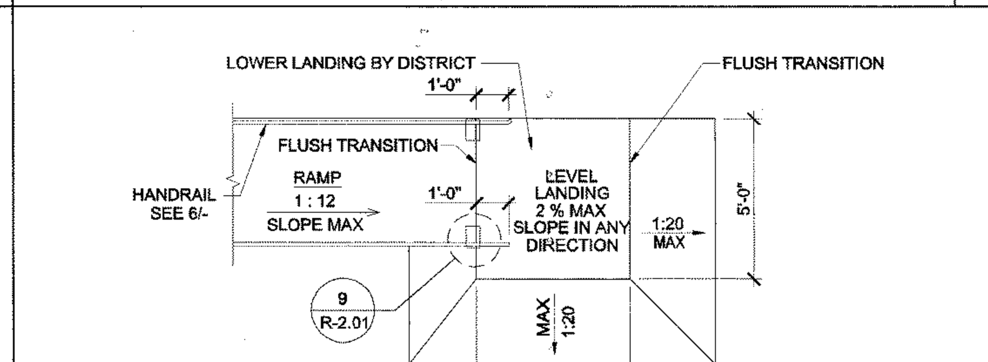


LANDING ELEVATION — SCALE : 1/2" = 1'-0" — 9



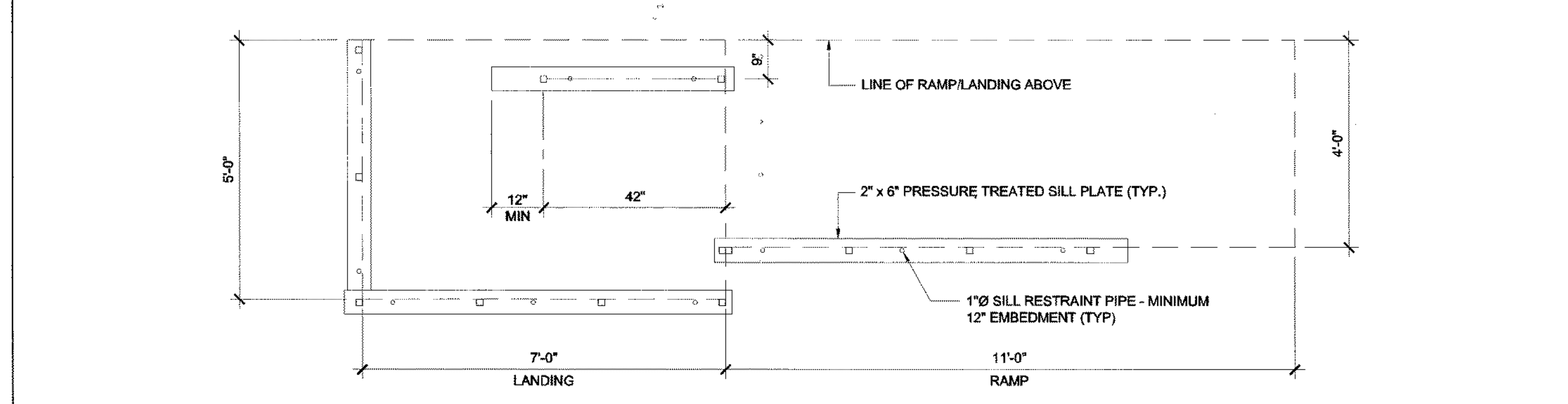
SECTION AT RAMP AND LANDING — SCALE : 1/2" = 1'-0" — 4

14



NOTE:
1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS.
2. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT.
(THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP.)

RAMP TRANSITION — SCALE: NTS — 10



SILL PLAN FOR RAMP AND LANDING — SCALE : 1/2" = 1'-0" — 5

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
STANDARD RAMP PLAN

STOCKPILE PROFESSIONAL
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS — SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2016

REVISIONS
1
2
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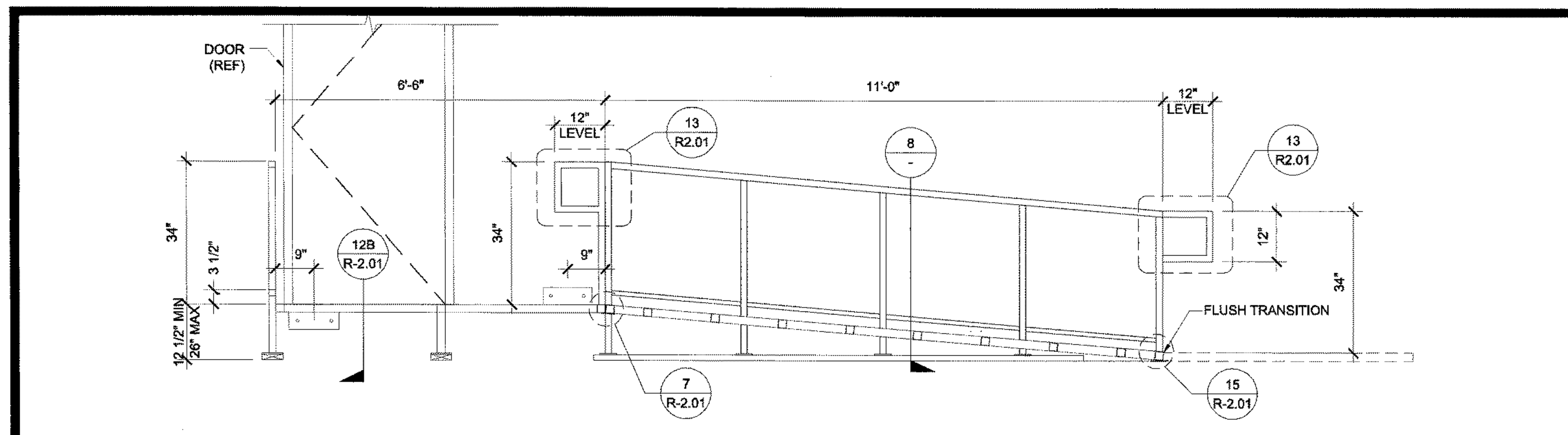
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

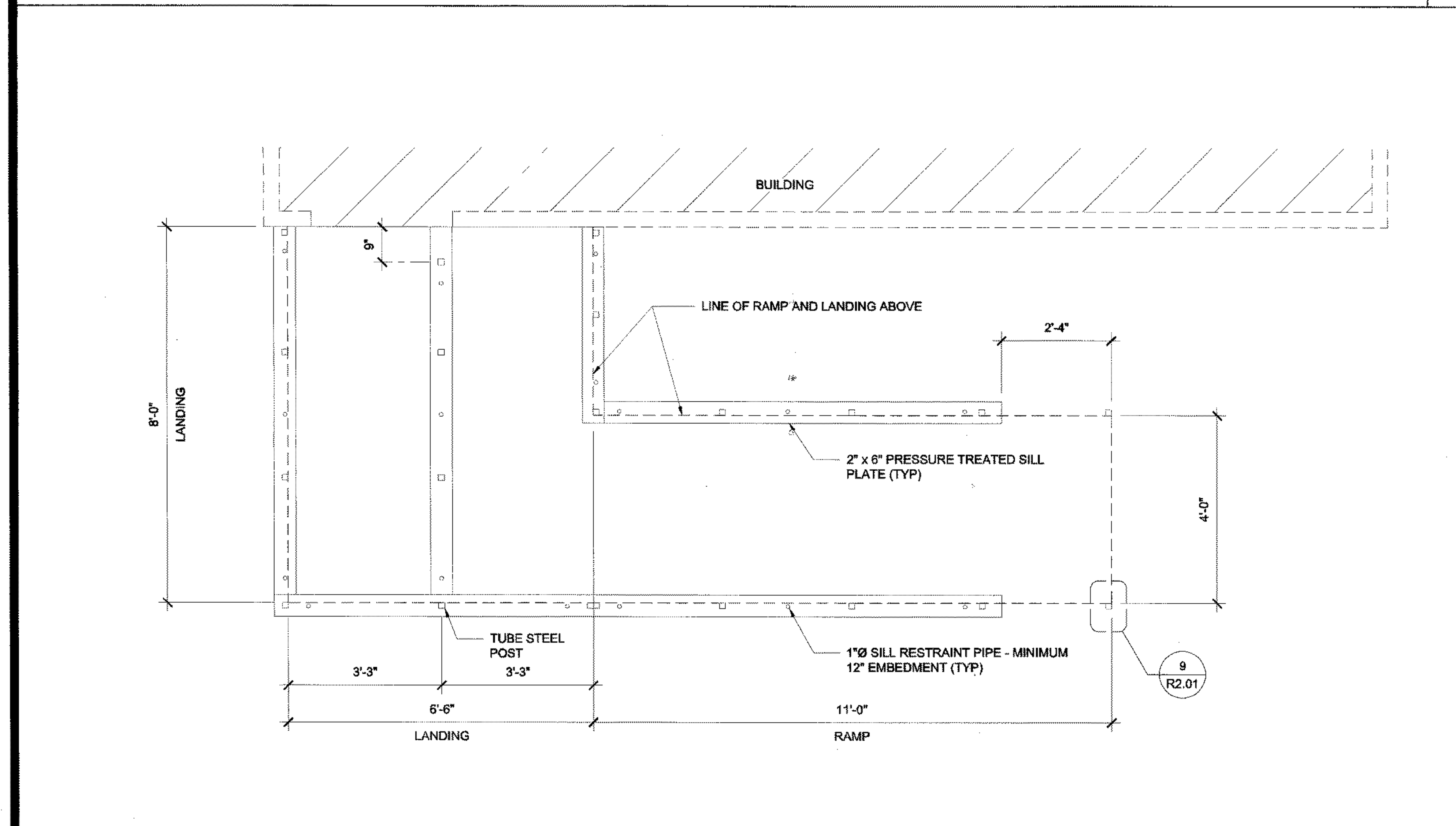
P.C. SHEET NUMBER
R-1.01

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

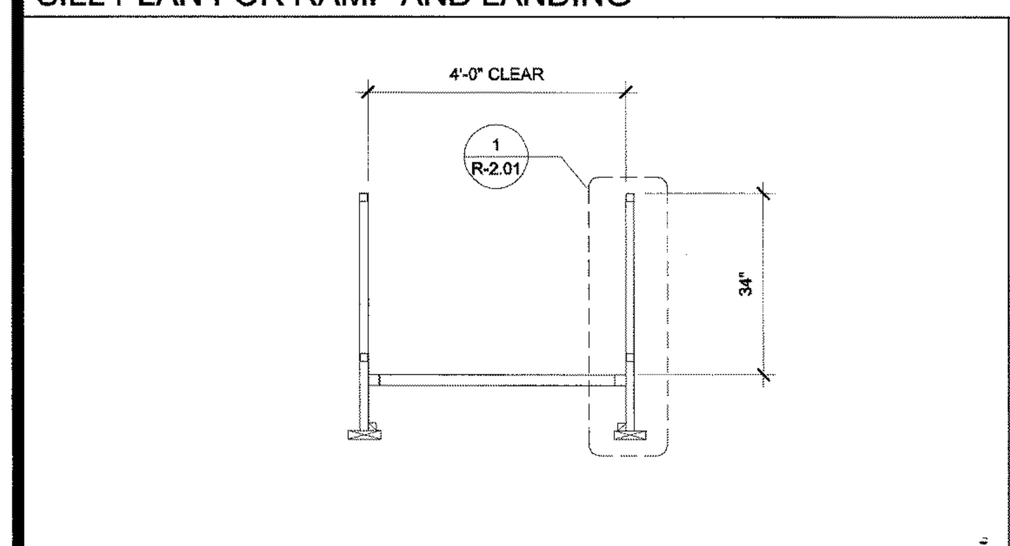
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



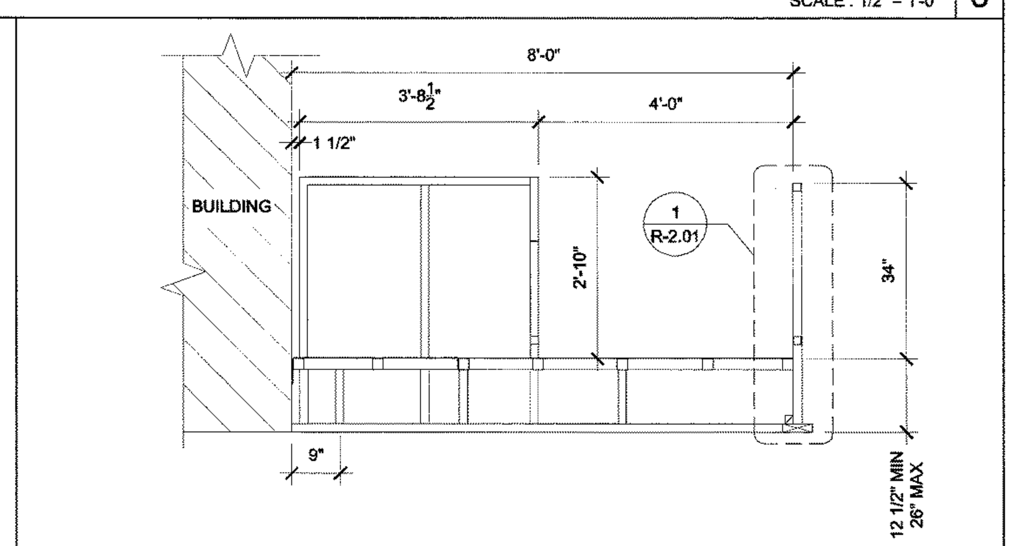
SECTION AT RAMP AND LANDING — SCALE : 1/2" = 1'-0" — 4



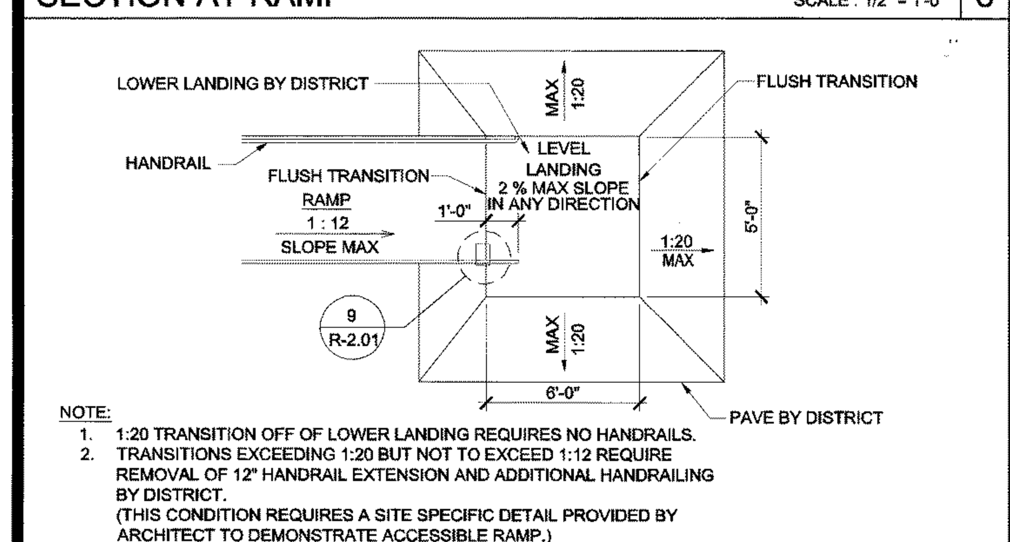
SILL PLAN FOR RAMP AND LANDING — SCALE : 1/2" = 1'-0" — 5



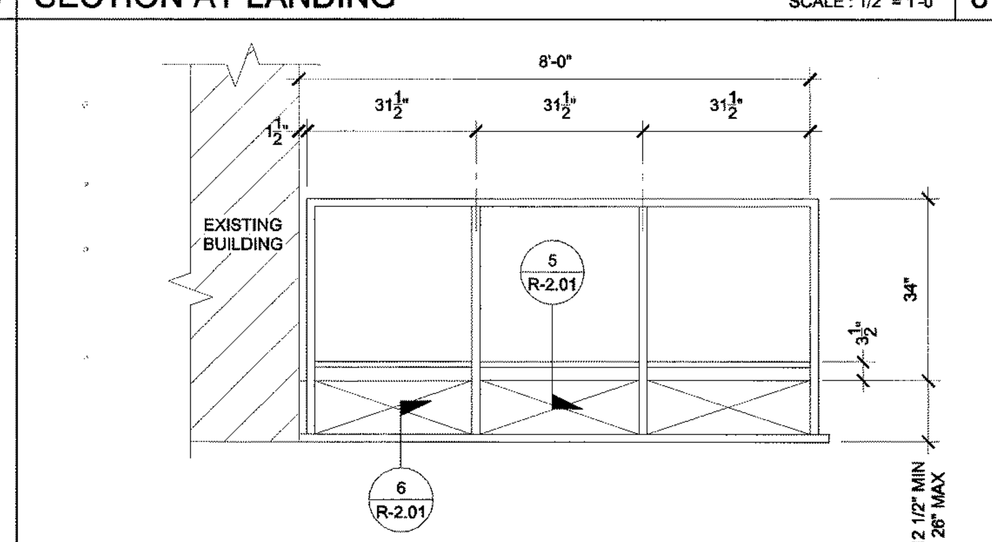
SECTION AT RAMP — SCALE : 1/2" = 1'-0" — 8



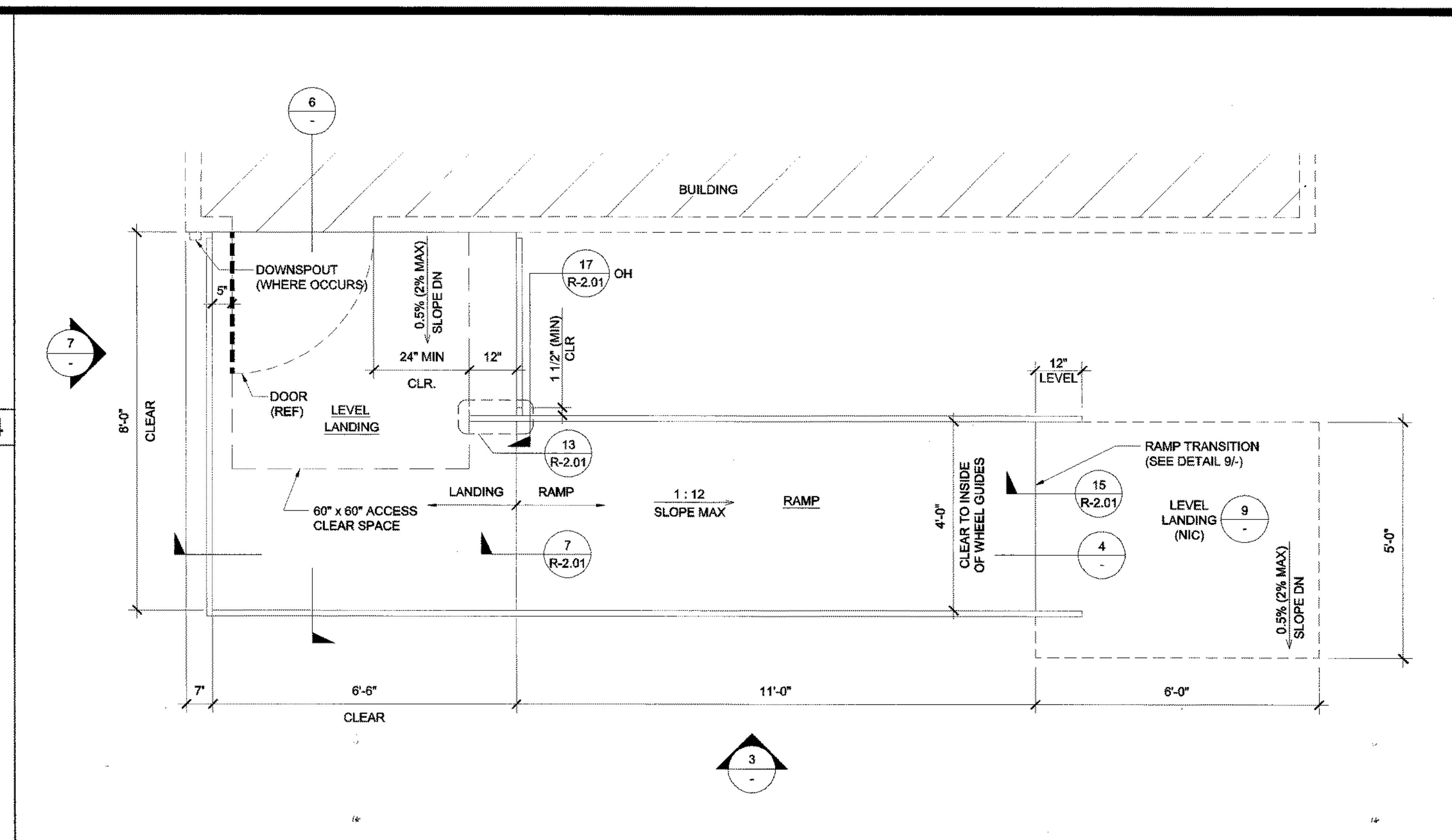
SECTION AT LANDING — SCALE : 1/2" = 1'-0" — 6



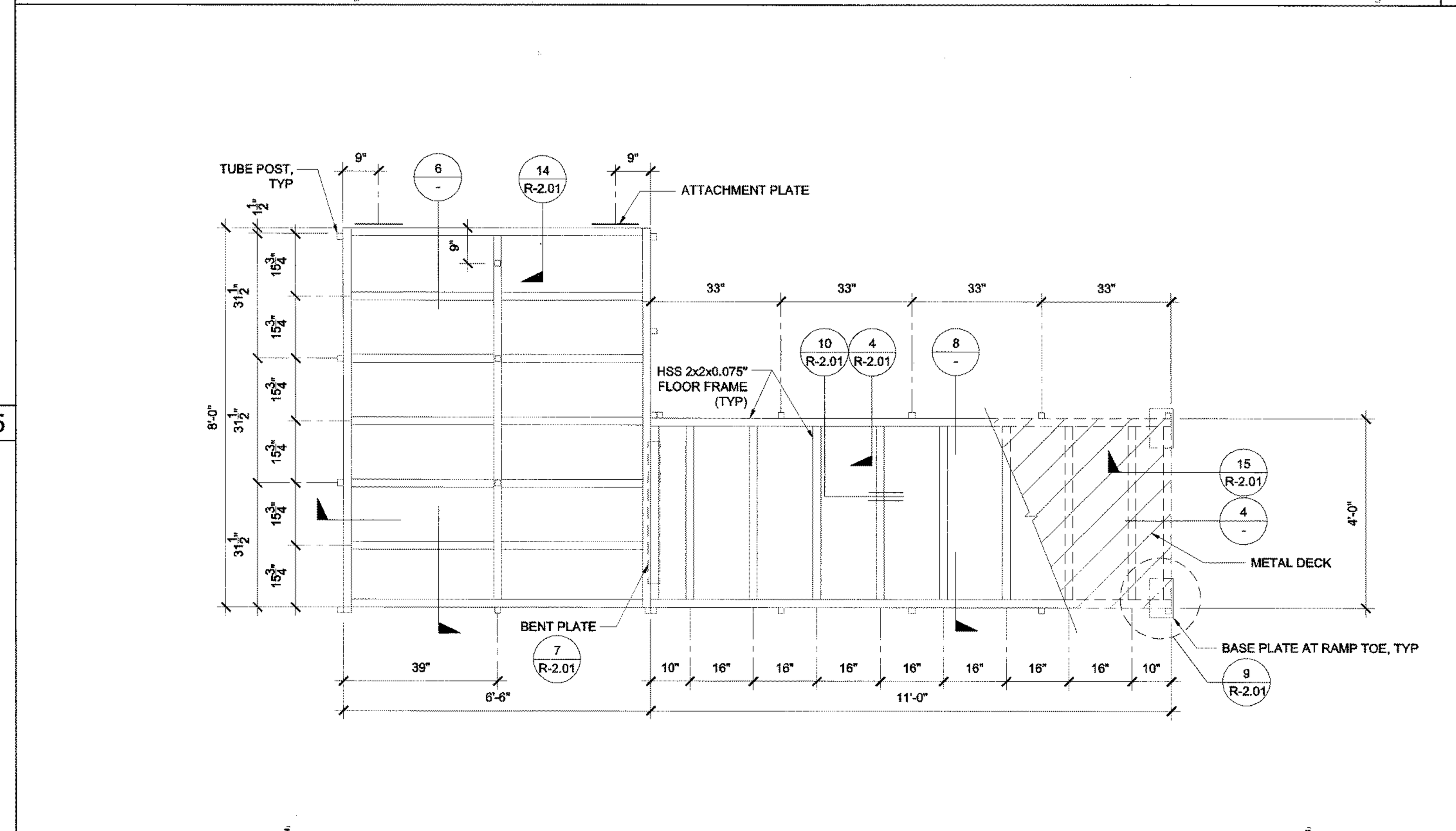
RAMP TRANSITION — SCALE: NTS — 9



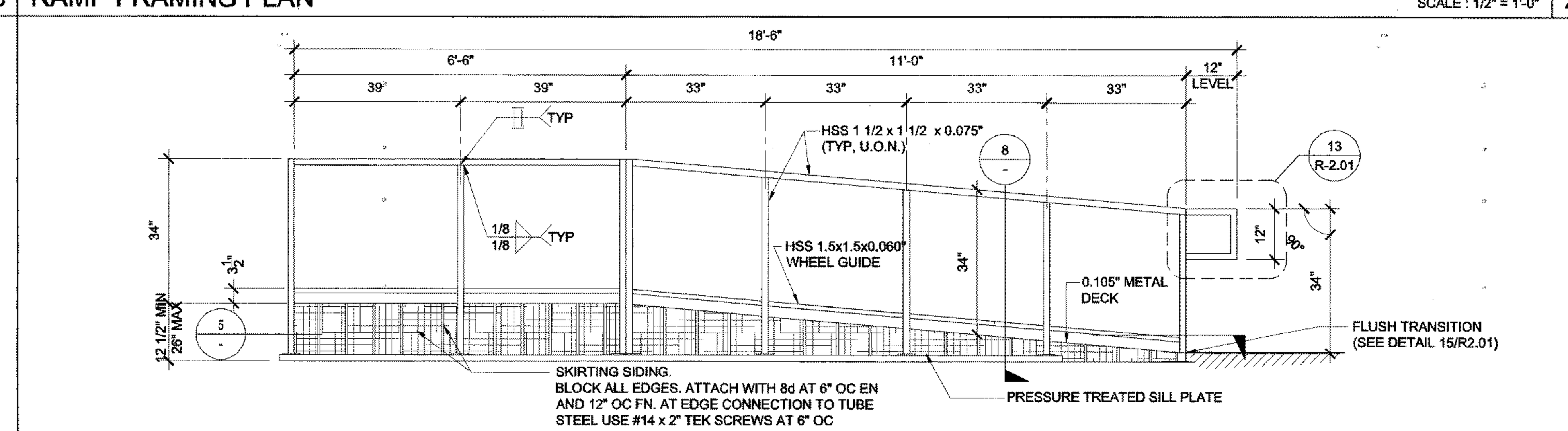
LANDING ELEVATION — SCALE : 1/2" = 1'-0" — 7



RAMP AND LANDING AT BUILDING — SCALE : 1/2" = 1'-0" — 1



RAMP FRAMING PLAN — SCALE : 1/2" = 1'-0" — 2



RAMP AND LANDING ELEVATION — SCALE : 1/2" = 1'-0" — 3

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

OFFSET RAMP PLAN

REGISTERED PROFESSIONAL ENGINEER — JOHN W STARLING — STRUCTURAL — STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER — JOHN W STARLING — 2475 — STRUCTURAL — STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS — SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

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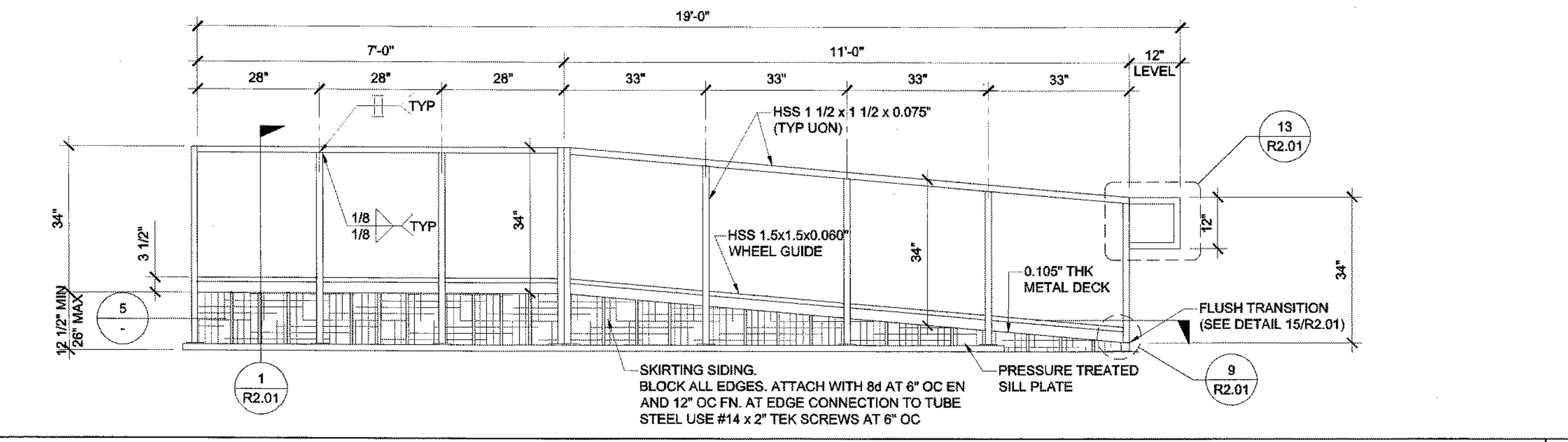
SILVER CREEK INDUSTRIES
12' x 40' PC

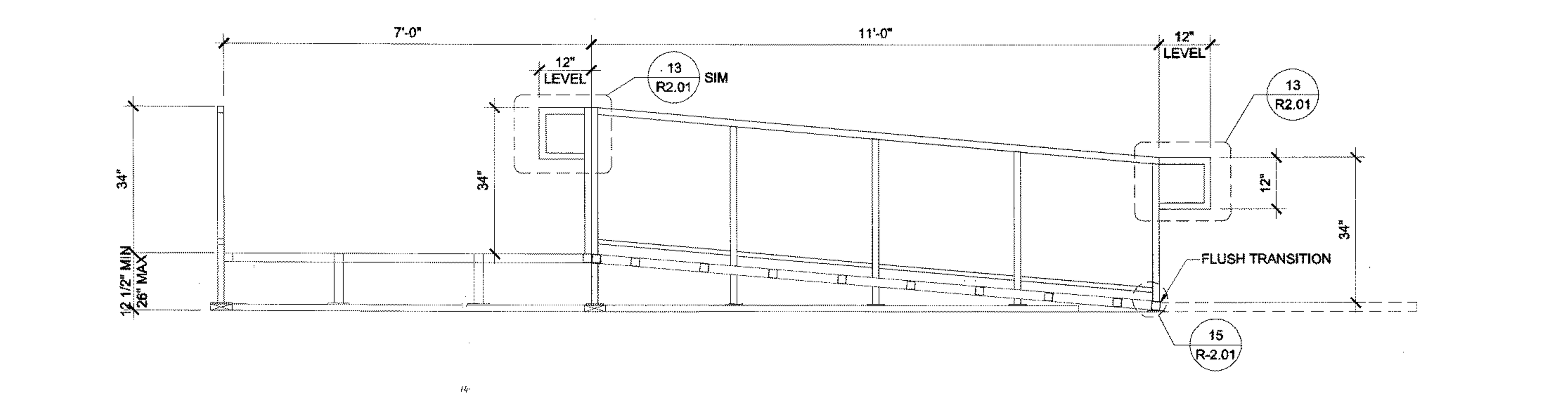
PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

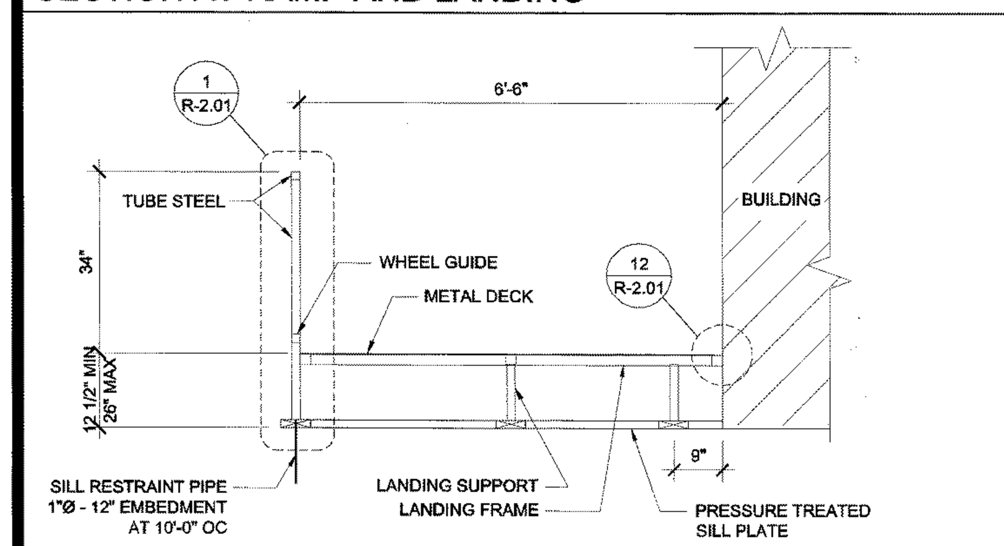
R-1.02



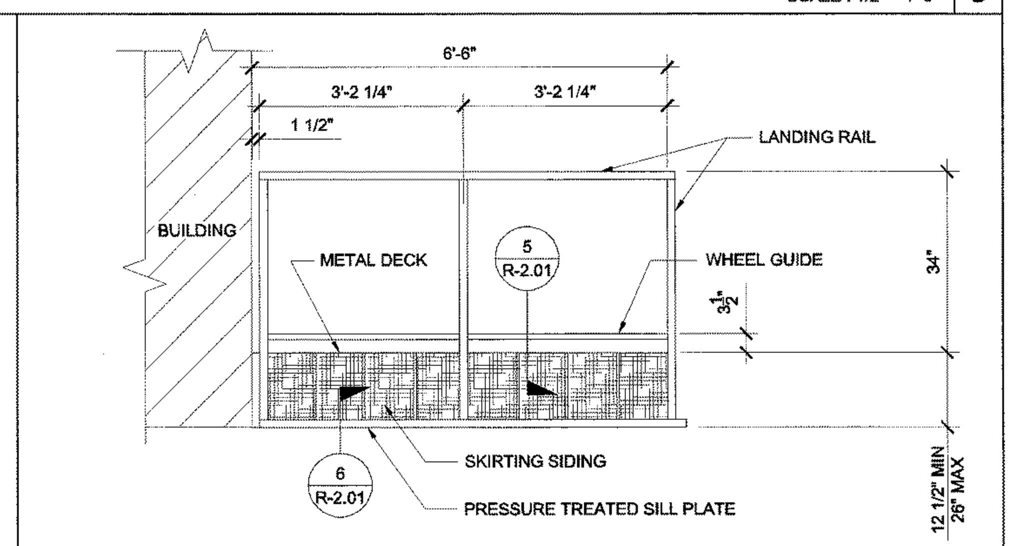
RAMP AND LANDING ELEVATION — SCALE : 1/2" = 1'-0" — 4



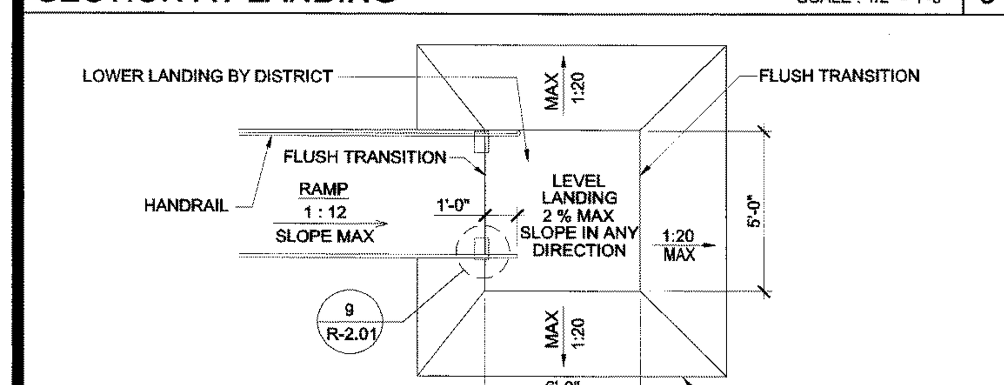
SECTION AT RAMP AND LANDING — SCALE : 1/2" = 1'-0" — 5



SECTION AT LANDING — SCALE : 1/2" = 1'-0" — 9

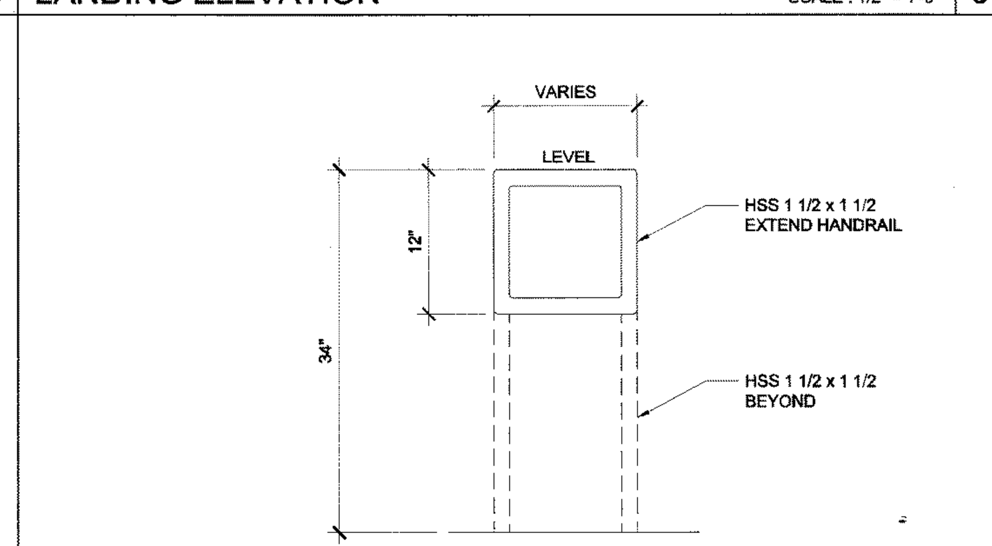


LANDING ELEVATION — SCALE : 1/2" = 1'-0" — 6



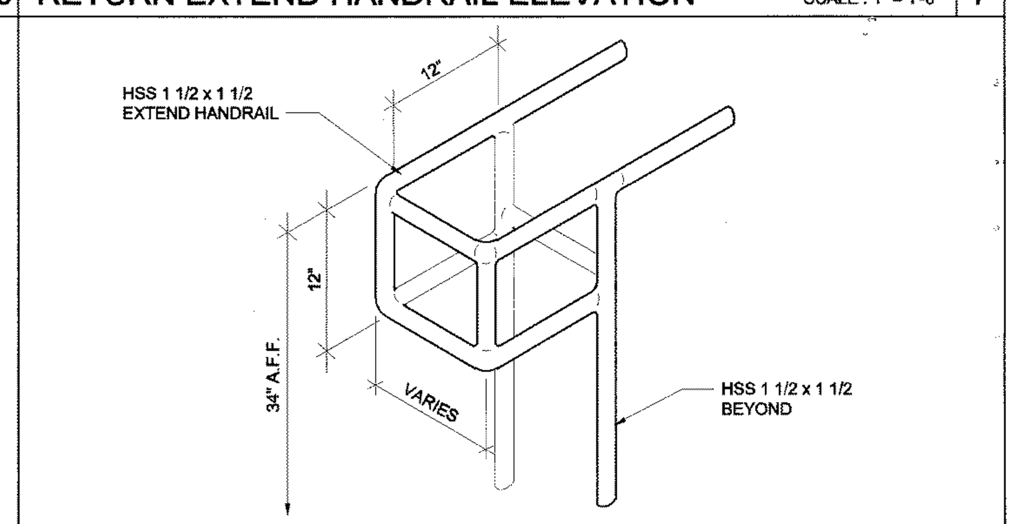
NOTE:
1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS.
2. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT. (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP.)

RAMP TRANSITION — SCALE: NTS — 10

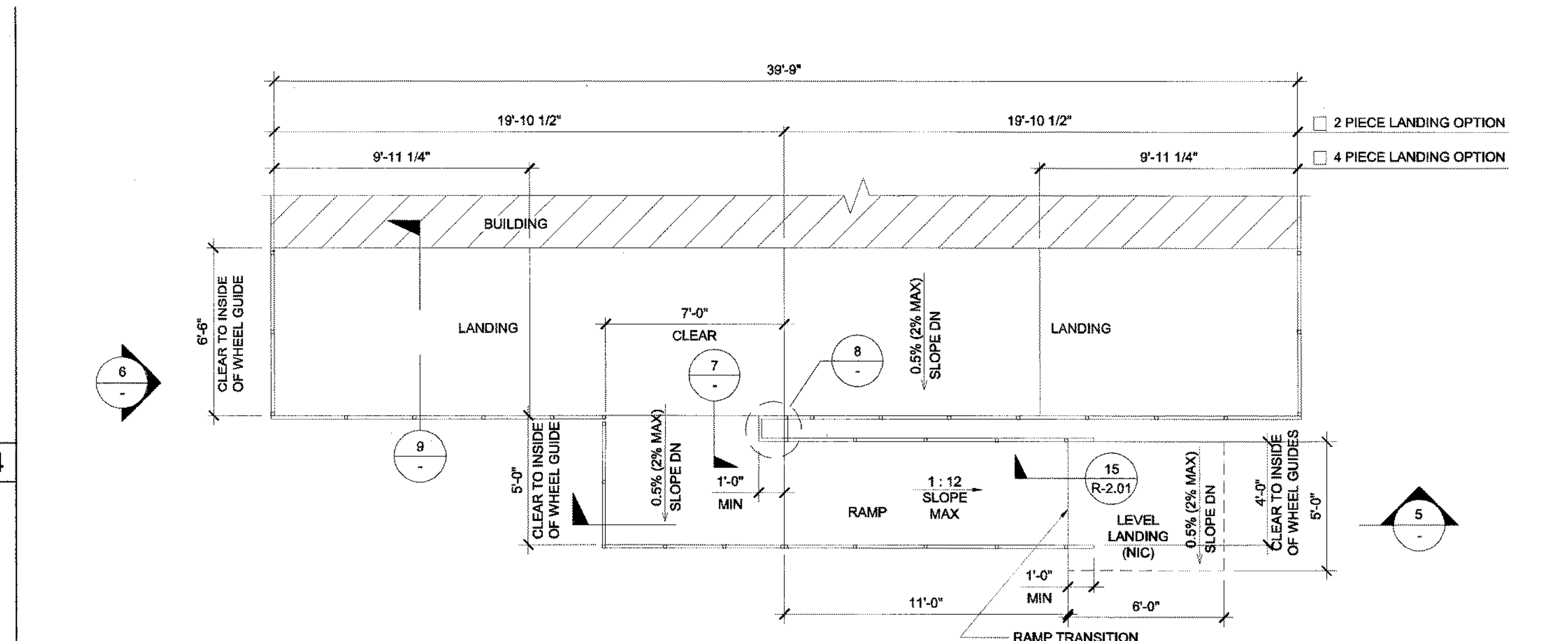


RETURN EXTEND HANDRAIL ELEVATION — SCALE : 1" = 1'-0" — 7

11

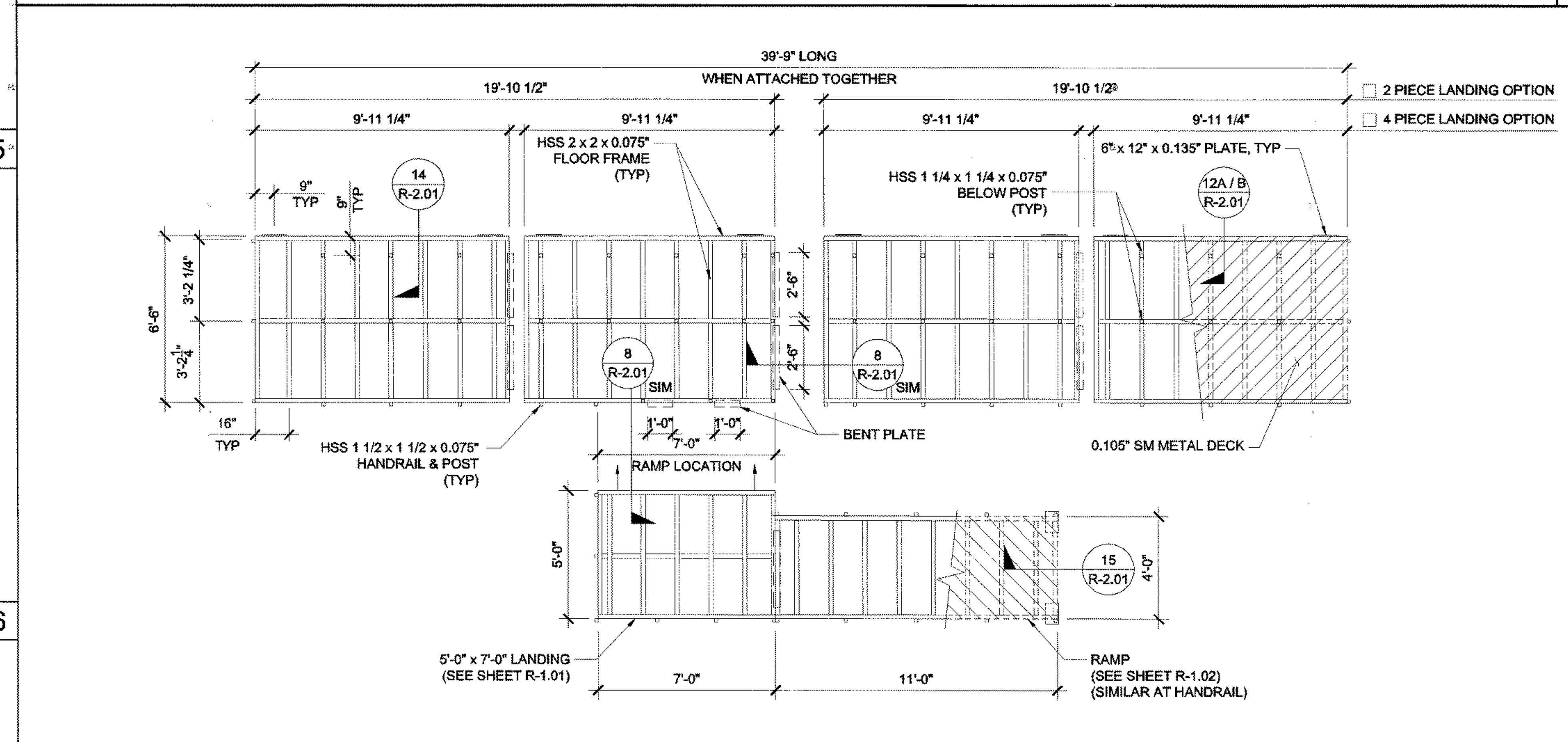


RETURN EXTEND HANDRAIL ISOMETRIC — SCALE : NTS — 8

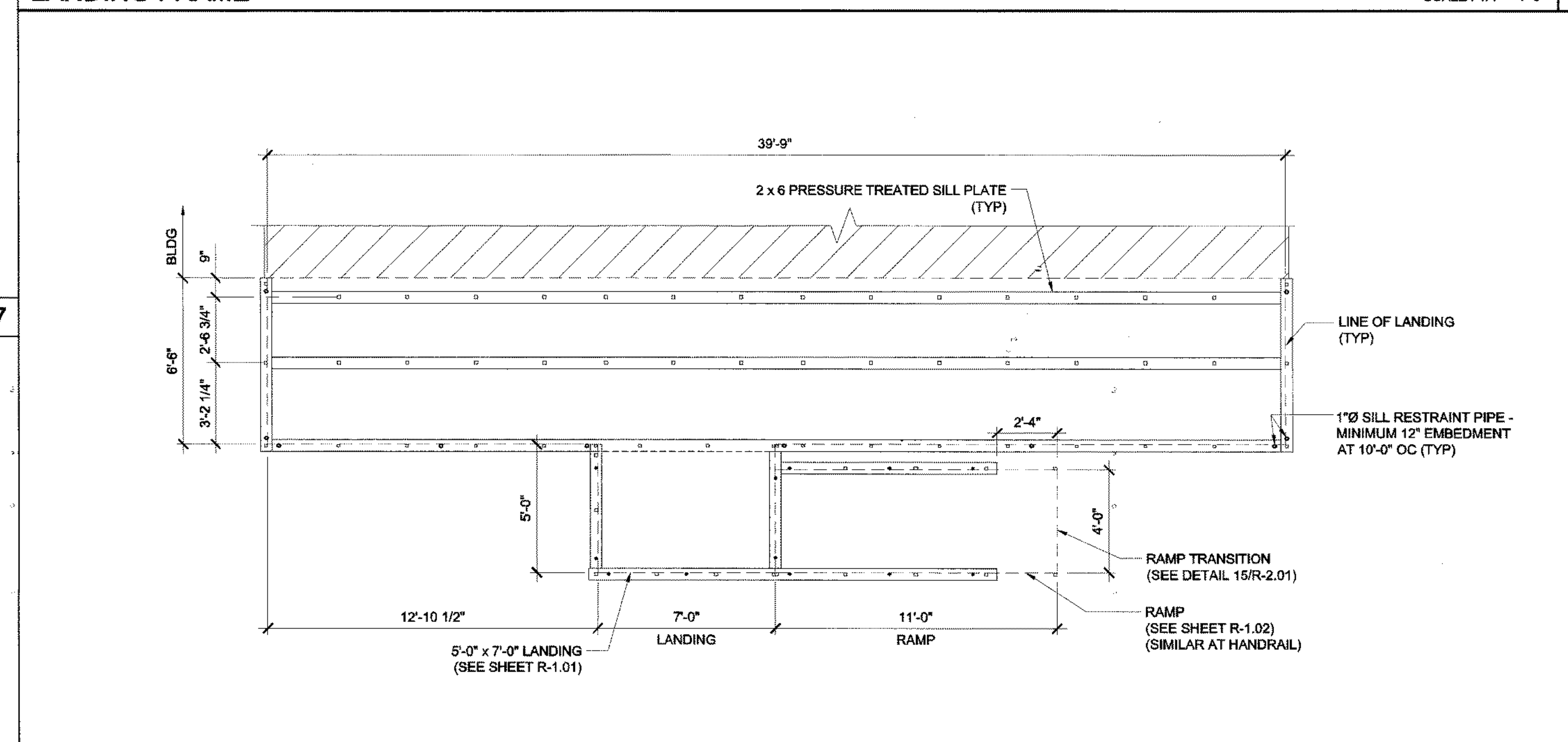


NOTE:
THIS LANDING DESIGN IS FOR USE AT THE 40'-0" MODULE SIDEWALL. IF THIS LANDING DESIGN IS USED AT THE 12'-0" MODULE ENDWALL THEN THE EDGE OF THE LANDING SHALL BE 7" CLEAR (MIN) FROM THE CORNER OF THE BUILDING.

LANDING PLAN — SCALE : 1/4" = 1'-0" — 1



LANDING FRAME — SCALE : 1/4" = 1'-0" — 2



SILL PLAN FOR RAMP AND LANDING — SCALE : 1/4" = 1'-0" — 3

SILVER CREEK INDUSTRIES, INC.
SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:
RAMP LANDING

REGISTERED PROFESSIONAL ENGINEER JOHN W STARR STRUCTURAL STATE OF CALIFORNIA

STOCKPILE PROFESSIONAL
REGISTERED PROFESSIONAL ENGINEER JOHN W STARR STRUCTURAL STATE OF CALIFORNIA
12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS — SS
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL
PRE-CHECK (PC) DOCUMENT CODE 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
FILE NUMBER: 53-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC RM FLS DS SSR KER
DATE 08/22/2018

REVISIONS

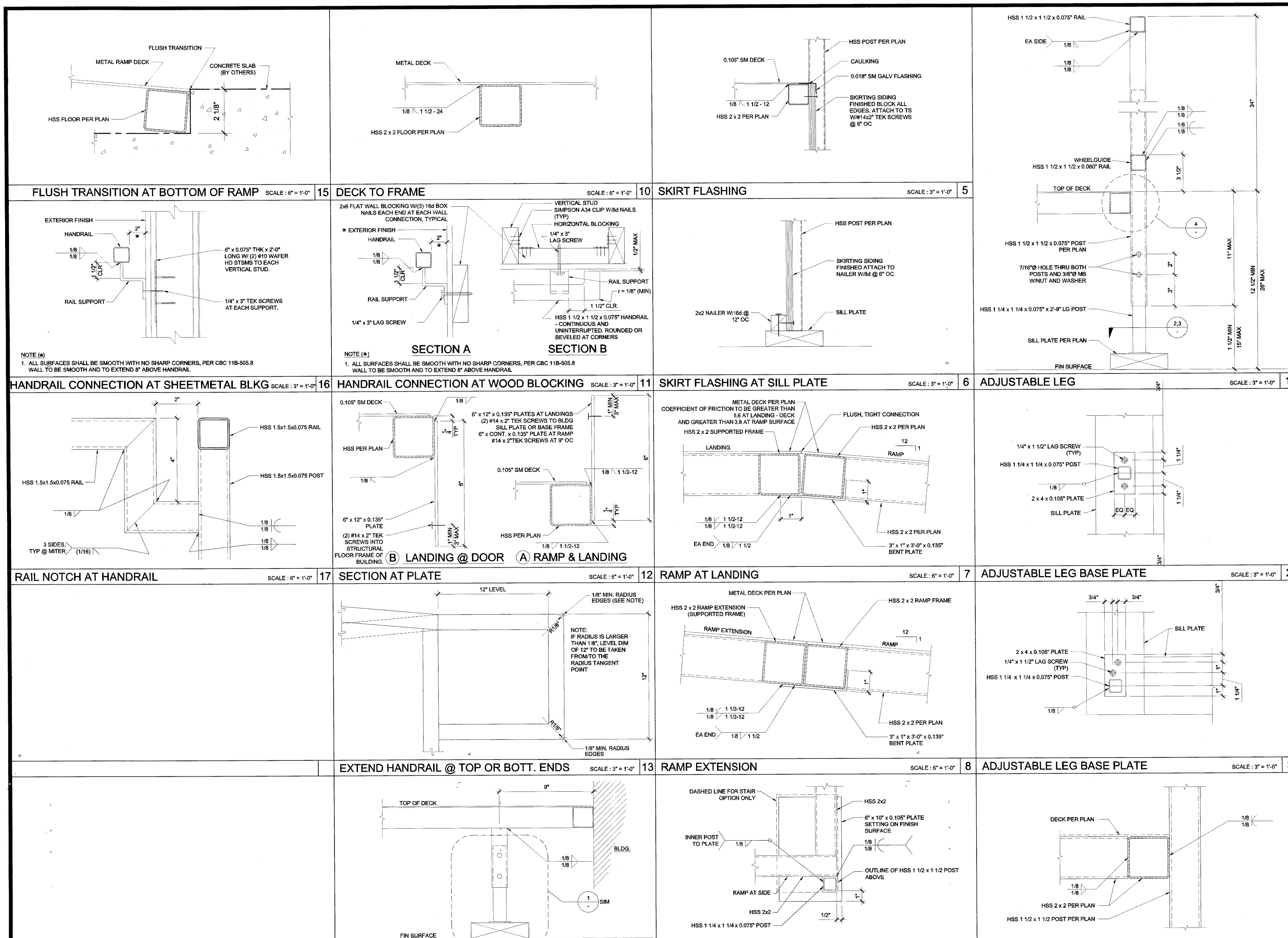
1	REVISED LANDING TO SHOW 4 PIECES 12/12/2012
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER
R-1.03

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



FLUSH TRANSITION AT BOTTOM OF RAMP SCALE : 6" = 1'-0" 15

DECK TO FRAME SCALE : 6" = 1'-0" 10

SKIRT FLASHING SCALE : 3" = 1'-0" 5

ADJUSTABLE LEG SCALE : 3" = 1'-0" 1

HANDRAIL CONNECTION AT SHEETMETAL BLKG SCALE : 3" = 1'-0" 16

HANDRAIL CONNECTION AT WOOD BLOCKING SCALE : 3" = 1'-0" 11

SKIRT FLASHING AT SILL PLATE SCALE : 3" = 1'-0" 6

ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" 2

RAIL NOTCH AT HANDRAIL SCALE : 6" = 1'-0" 17

SECTION AT PLATE SCALE : 6" = 1'-0" 12

RAMP AT LANDING SCALE : 6" = 1'-0" 7

ADJUSTABLE LEG BASE PLATE SCALE : 3" = 1'-0" 3

EXTEND HANDRAIL @ TOP OR BOTT. ENDS SCALE : 3" = 1'-0" 13

RAMP EXTENSION SCALE : 6" = 1'-0" 8

INTERIOR LANDING LEG SECTION SCALE : 3" = 1'-0" 14

BASE PLATE AT RAMP TOE SCALE : 3" = 1'-0" 9

GUARDRAIL POST ATTACHMENT SCALE : 6" = 1'-0" 4

SILVER CREEK INDUSTRIES, INC.

SILVER CREEK
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

STOCKPILE
(16) B-2 TOILET BUILDINGS
(14) C-2 TOILET BUILDINGS

SHEET TITLE:

RAMP DETAILS

STOCKPILE PROFESSIONAL

12/12/2018

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 118031
ACS ✓ FLS ✓ SS ✓
DATE DEC 13 2018

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 03-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_ FLS_DS_SSR_KER
DATE 08/22/2018

REVISIONS

1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

R-2.01

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

Page 1 of 4

DSA DIVISION OF THE STATE ARCHITECT — DEPARTMENT OF GENERAL SERVICES

DSA-103 Issued 12/30/2016

List of Required Structural Tests & Special Inspections - 2016 CBC

INCREMENT # | DSA File No.: | Application No.: | Date Submitted: | Revised: | Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.
NOTE: This form is also available for projects submitted for review under the 2007, 2010, and 2013 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. **Note:** A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests and inspections finally selected. **For more information on use of this form, see DSA-103.INSTR.**

Note: References are to the 2016 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE [1]	PERFORMED BY [2]	CODE REFERENCE AND NOTES
+	**SOILS**			
+	**CONCRETE**			Table 1705A.3, ACI 318-14 Sections 26.12 & 26.13
+	**MASONRY**			TMS 402-13/ACI 530-13/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530.1-13/ASCE 6-13 Table 5
-	**STEEL, ALUMINUM**			Table 1705A.2.1, AISC 303-10, AISC 360-10, AISC 341-10, AISC 358-10, AISI S100-07/S2-10
-	**17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES**			
	Material Verification:			
X	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	2203A.1 (2203.1*), Table 1705A.2.1 Item 3a-3c; AISI S100-07/S2-10 Section A2.1 & A2.2, AISI S200-12 Section A3, AISI S220-11 Section A4. * By special inspector or qualified technician when performed off-site.
X	b. Test unidentified materials	Test	LOR	2203A.1 (2203.1*).
	Inspection:			
X	e. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
-	**19. WELDING:**			1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	~~19.1 SHOP WELDING:~~			
	~~a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds~~	~~Continuous~~	~~SI~~	~~Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.~~
	~~b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds~~	~~Periodic~~	~~SI~~	~~1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.~~
	~~c. Inspect welding of stairs and railing systems.~~	~~Periodic~~	~~SI~~	~~1705A.2.1. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3.~~
	~~d. Verification of reinforcing steel weldability other than ASTM A706~~	~~Periodic~~	~~SI~~	~~1705A.3.1; verify carbon equivalent reported on mill certificates. AWS D1.4. DSA IR 17-3.~~
	~~e. Inspect welding of reinforcing steel.~~	~~Continuous~~	~~SI~~	~~1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8. AWS D1.4. DSA IR 17-3.~~
+	**WOOD**			
+	**OTHER**			

List of required verified report(s):

KEY to Columns

1 Type -	2 Performed By -
Continuous – Indicates that a continuous special inspection is required	**GE** – Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative
Periodic – Indicates that a periodic special inspection is required	**LOR** – Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
Test – Indicates that a test is required	**SI** – Indicates that the special inspection is to be performed by a special inspector

COMPILE PRINT

Name of Architect or Engineer in general responsible charge

Name of Structural Engineer (When structural design has been delegated)

Signature of Architect or Structural Engineer date

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
APP. #____
AC **N/A** F/LS **N/A** SS____
DATE____

"CONSTRUCTION OF" AND "STOCKPILE OF" EXAMPLE DSA 103 FORM (DSA 103 FORM NOT REQUIRED FOR RELOCATION OF CERTIFIED RAMP & LANDING).

THE EXAMPLE FORM DSA-103 SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECT-SPECIFIC FORM DSA-103'S. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING.

TMP SERVICES

2929 KANSAS AVE.
RIVERSIDE, CA 92507
(951) 213-3900
FAX (951) 213-3997

PC 04-116740
ACCESSIBLE RAMPS/ LANDINGS/STAIRS

STATE OF CALIFORNIA – 2015 IBC/2016 CBC

NOTES:

LOADS:

1. RAMP LIVE LOAD = 100 PSF
2. NO SNOW LOADING
3. NO FLOOD LOADING
4. WIND:
   WIND SPEED = 130 MPH
   RISK CATEGORY = II
   EXPOSURE = C
   K_{ZT} = 1.0
   WIND DESIGN PER ASCE 7-10 CHAPTER 29
5. SEISMIC:
   RISK CATEGORY = II
   I_e = 1.25
   S_S = 3.73
   S_1 = 1.30
   SITE CLASS = D
   S_{DS} = 2.487
   C_S = 0.932 (ASCE 7-10 EQUATION 15.4-5)
   R = 3.25 (ASCE 7-10 TABLE 15.4-1)
6. ALLOWABLE SOIL BEARING = 1000 PSF
7. THIS PC CANNOT BE USED IN WILDLAND URBAN INTERFACE (WUI) AREAS.

CODES: (TITLE 24 CODES)

2016 CALIFORNIA ADMINISTRATIVE CODE (CAC)....(PART 1, TITLE 24, CCR)

2016 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR) (2015 EDITION INTERNATIONAL BUILDING CODE WITH 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA FIRE CODE (CFC), (PART 9, TITLE 24, CCR) (2015 EDITION INTERNATIONAL FIRE CODE WITH 2013 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA GREEN CODE (CFC), (PART 9, TITLE 24, CCR)

2016 CALIFORNIA REFERENCED CODE, (PART 12, TITLE 24, CCR)
NFPA 13 2016
NFPA 72 2016

2016 CODE SECTIONS FOR APPLICABLE STANDARDS
2016 CBC, CHAPTER 35
2016 CFC, CHAPTER 45

DATE SIGNED
APR 12 2018

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON S3602 STRUCTURAL STATE OF CALIFORNIA

TABLE OF CONTENTS

ALTERNATE RAMPS/LANDINGS/STAIRS

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

REVISIONS	BY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 116740
ACS SL FLS th SS
DATE MAY 1 6 2018
ACS: S. Lyle / for D. Ferguson
FLS: t.hunter
SS: P. Rooney

COVER SHEET

TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951) 213-3900
FAX: (951) 213-3997

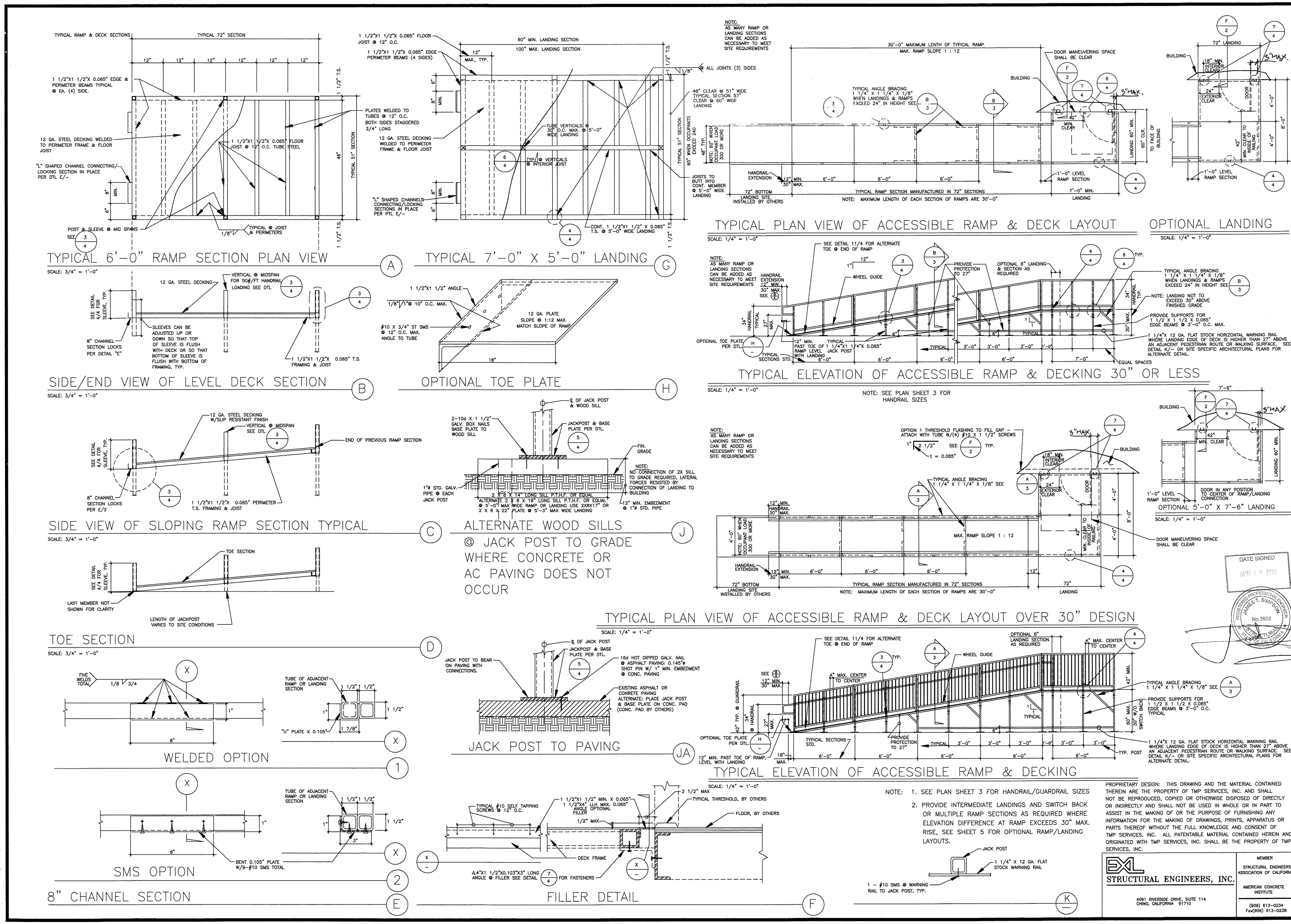
SITE: STATE OF CALIFORNIA
PC 04-116740-2016 CBC

DRAWN
CHECKED
DATE 12 APRIL 2018
SCALE
JOB NO.

1

OF 8 SHEETS

TMP SERVICES DSA RAMP / LANDING – STEEL SHEET 1.DWG



EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
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REVISIONS | BY

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 116740
DATE MAY 16 2018

DATE SIGNED
APR 17 2018

ACCESSIBLE RAMP ELVATIONS & DETAILS

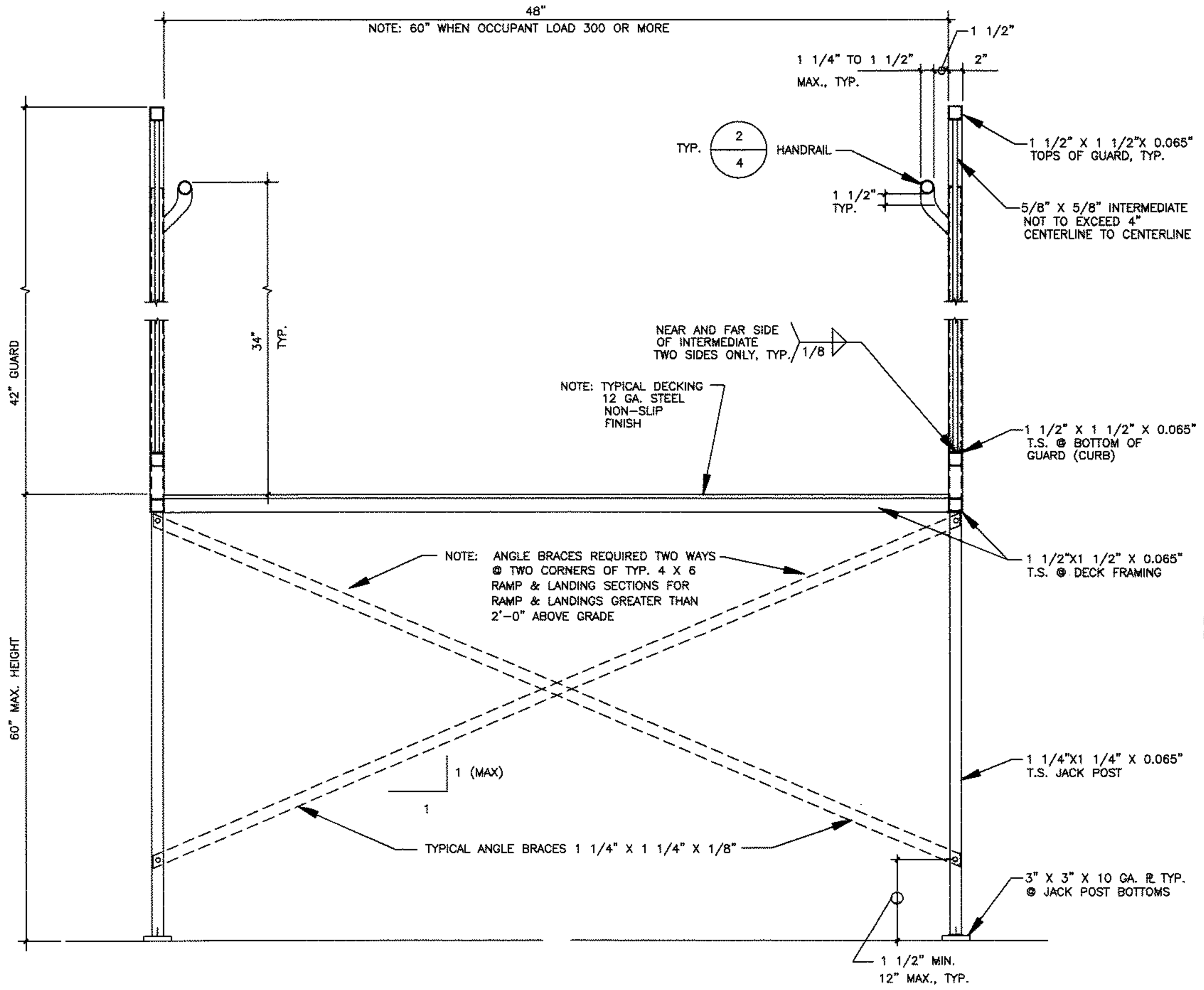
TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951)213-3900
FAX: (951)213-3997

SITE:
STATE OF CALIFORNIA
PC 04-116740-2016 CBC

DRAWN
CHECKED
DATE
12 APRIL 2018
SCALE
JOB NO.

2
OF 8 SHEETS

TMP DSA RAMP AND LANDING STEEL SHEET 2.DWG



A TYPICAL CROSS SECTIONS +30"
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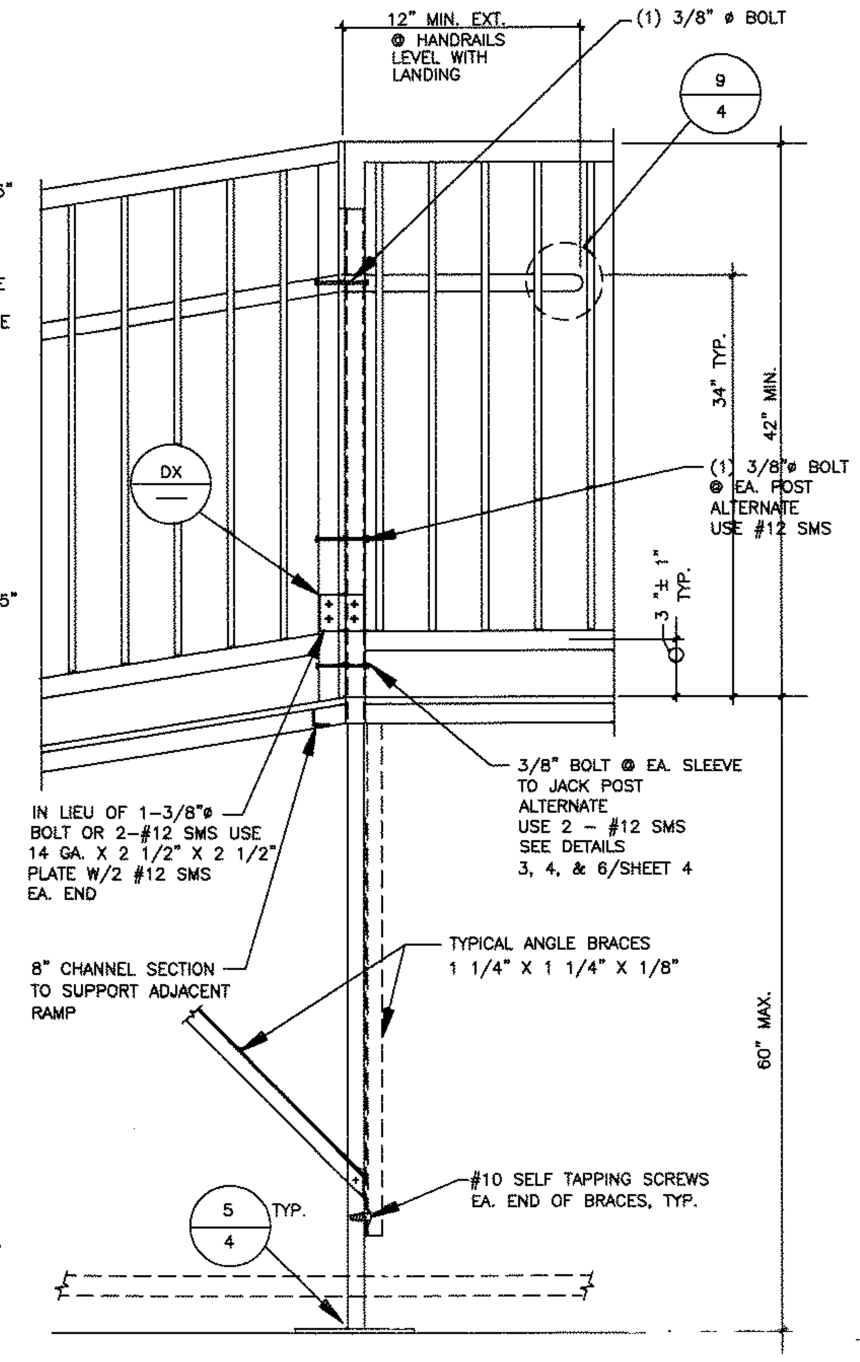

C POST SECTION +30"
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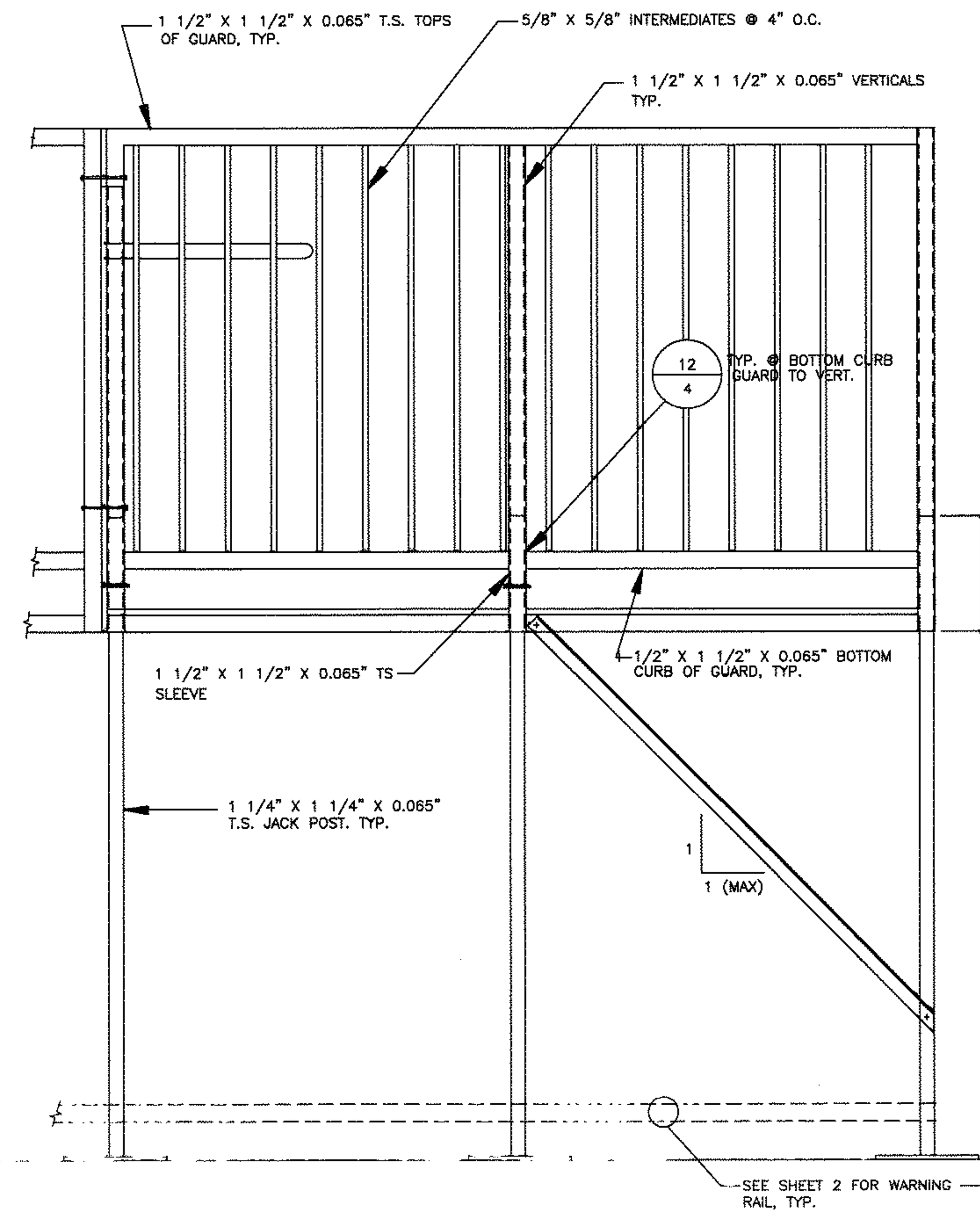

E LANDING RAIL LAYOUT +30"
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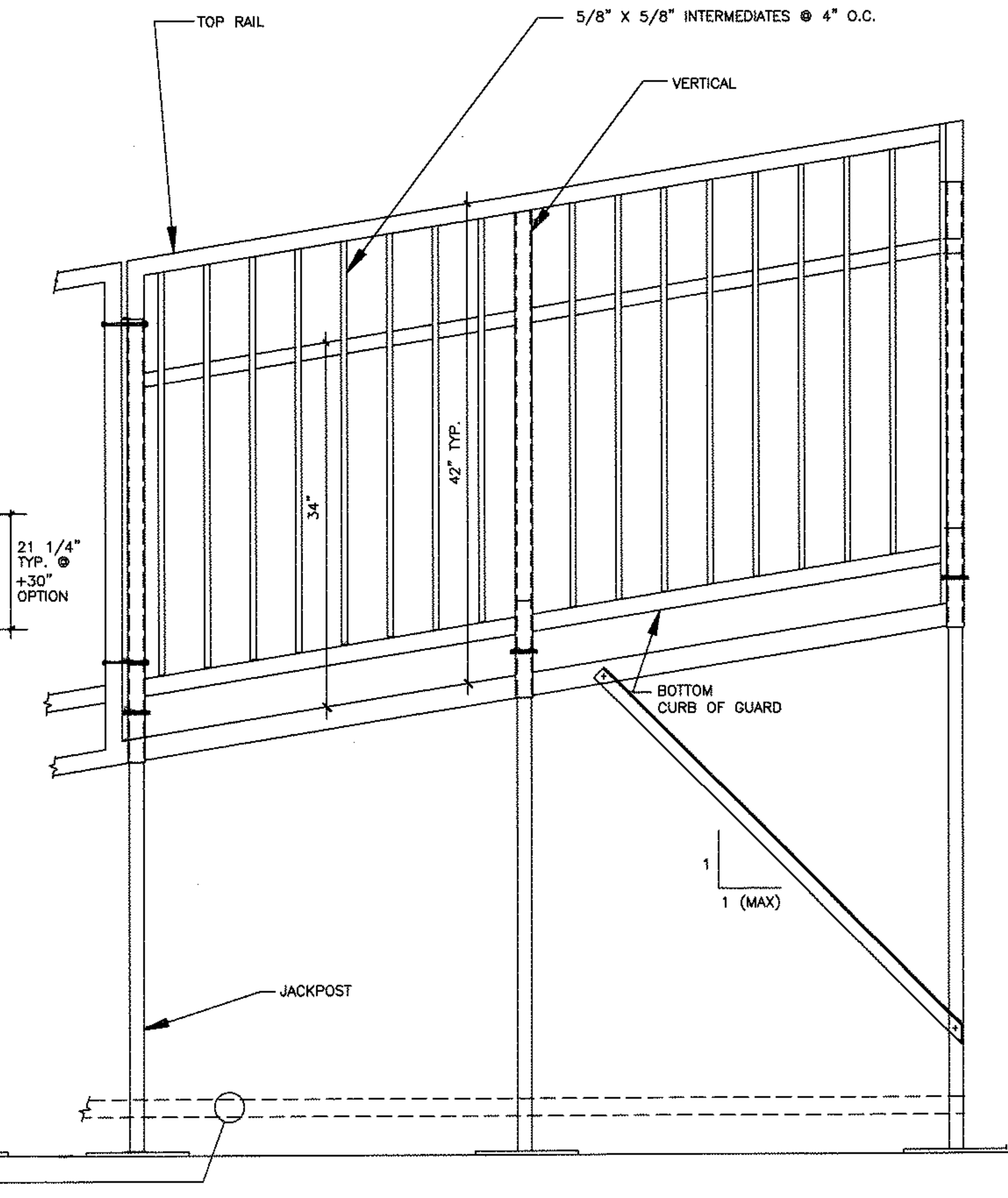

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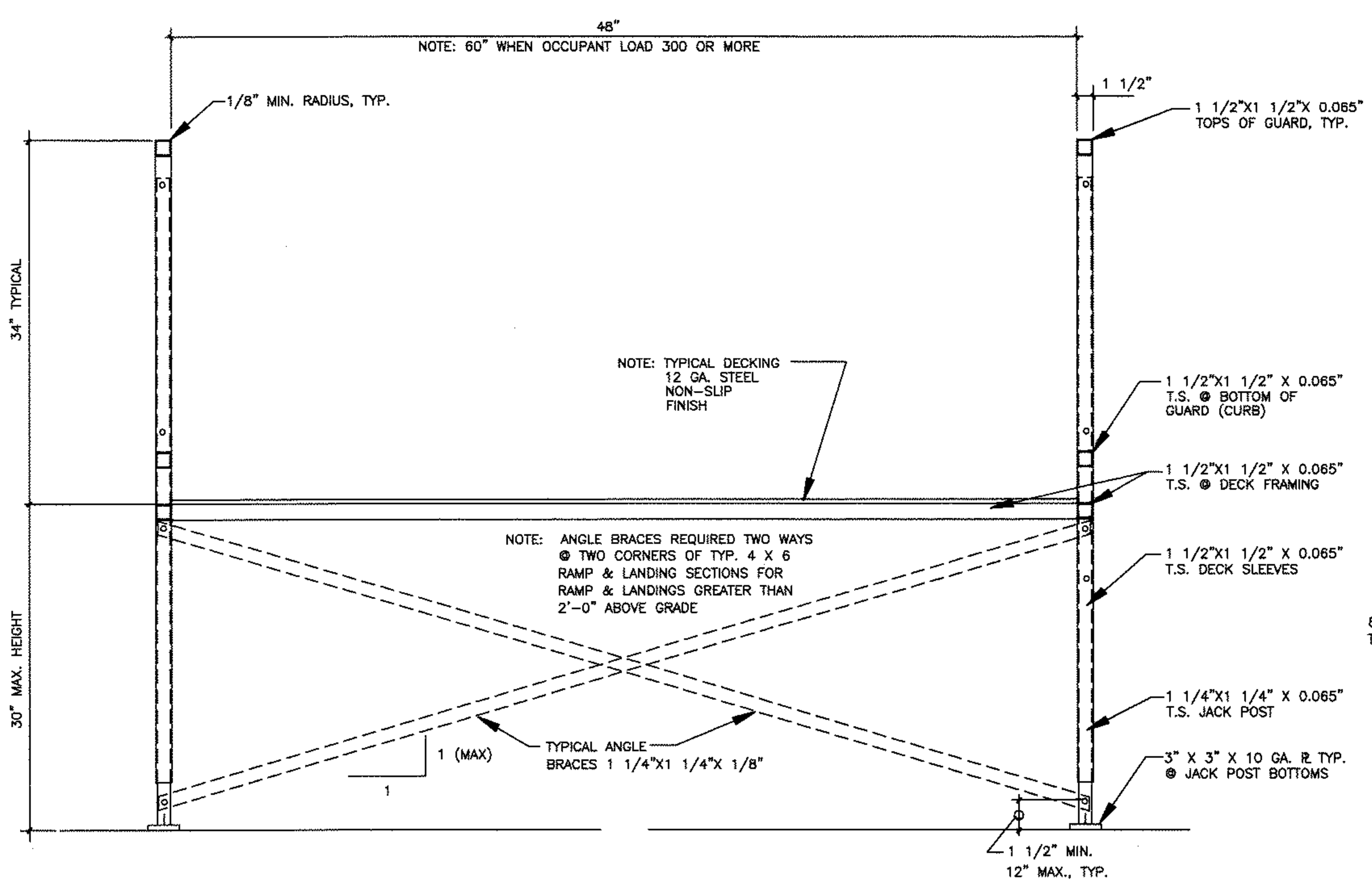

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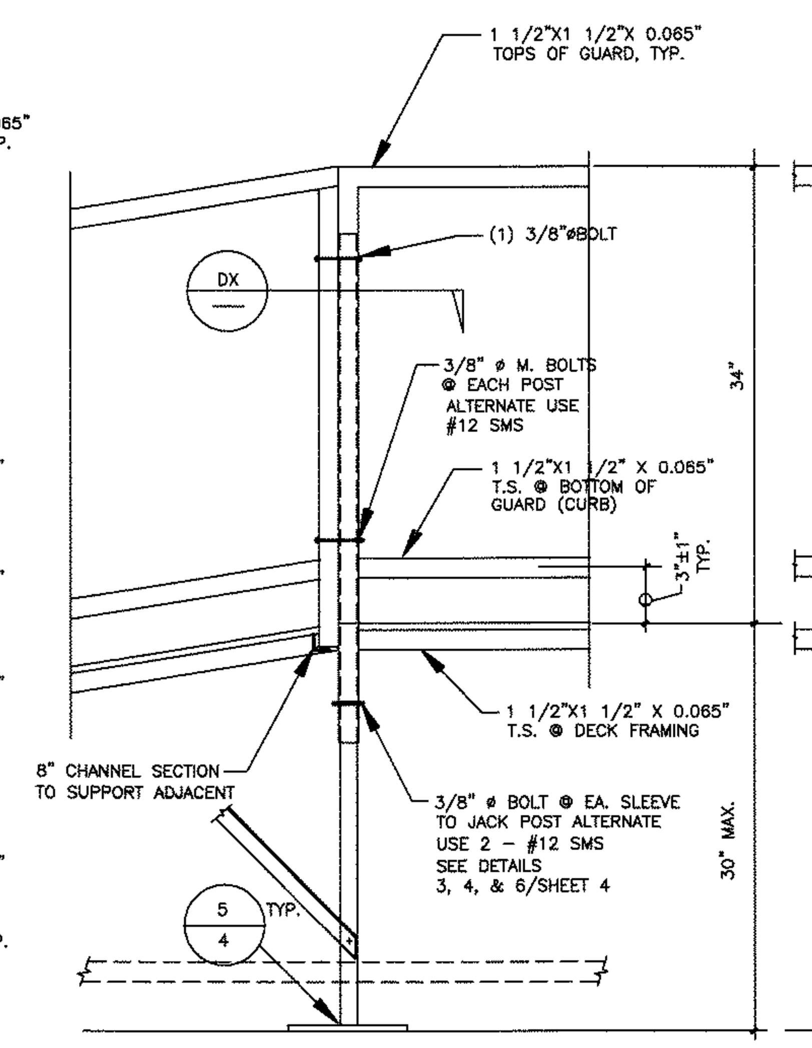

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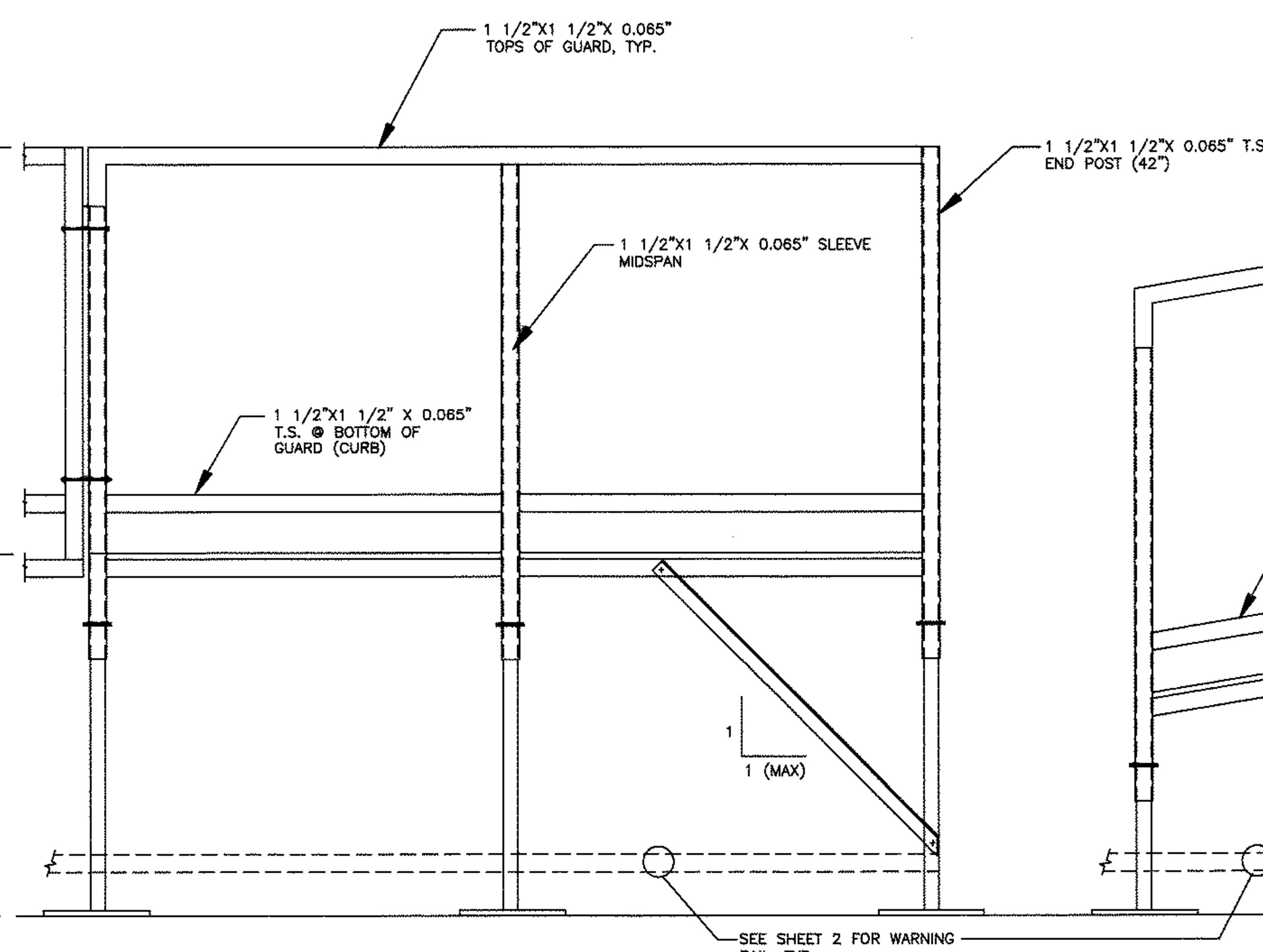

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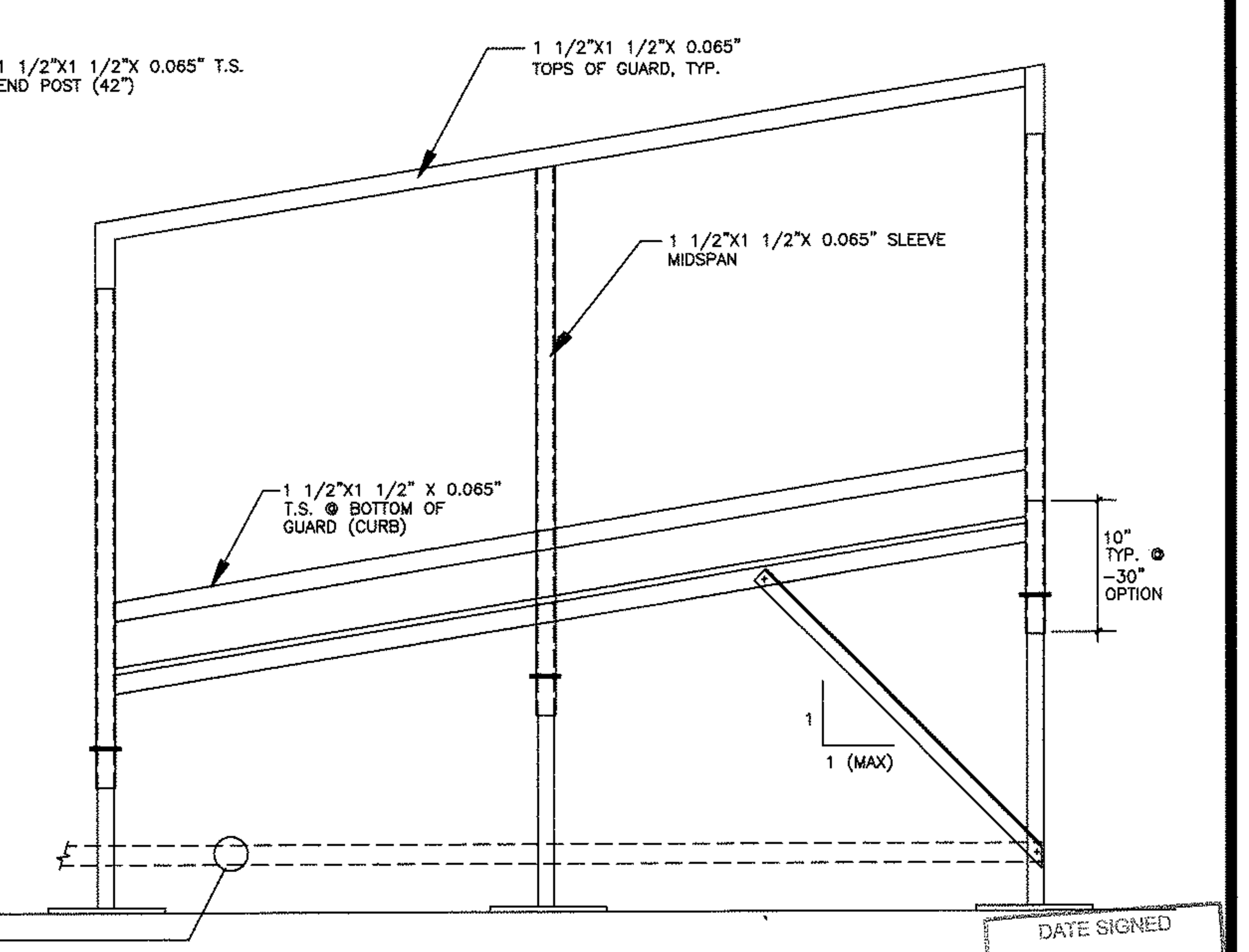

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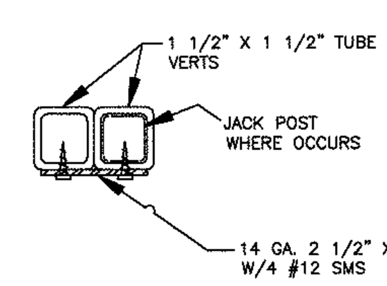

BOTTOM RAIL CONNECTION
NO SCALE
DX

EXL
STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

DATE SIGNED
APR 12 2018
JAMES T. SIMPSON
No. 2602
STRUCTURAL
STATE OF CALIFORNIA

REVISIONS	BY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
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04 116740
ACS FLS SS
DATE MAY 1 6 2018

ACCESSIBLE RAMP
DETAILS & NOTES

TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951)213-3900
FAX: (951)213-3997

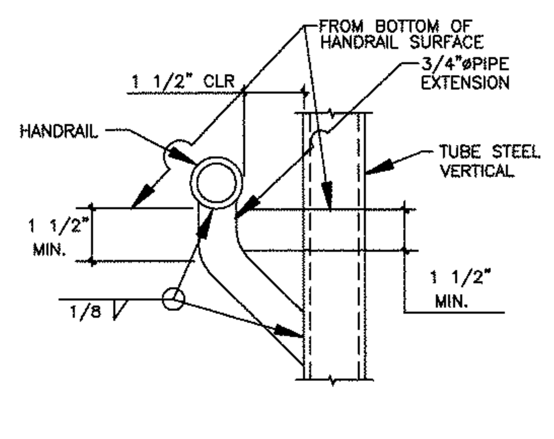
SITE:
STATE OF CALIFORNIA
PC 04-116740-2016 CBC

DRAWN
CHECKED
DATE
12 APRIL 2018
SCALE
JOB NO.

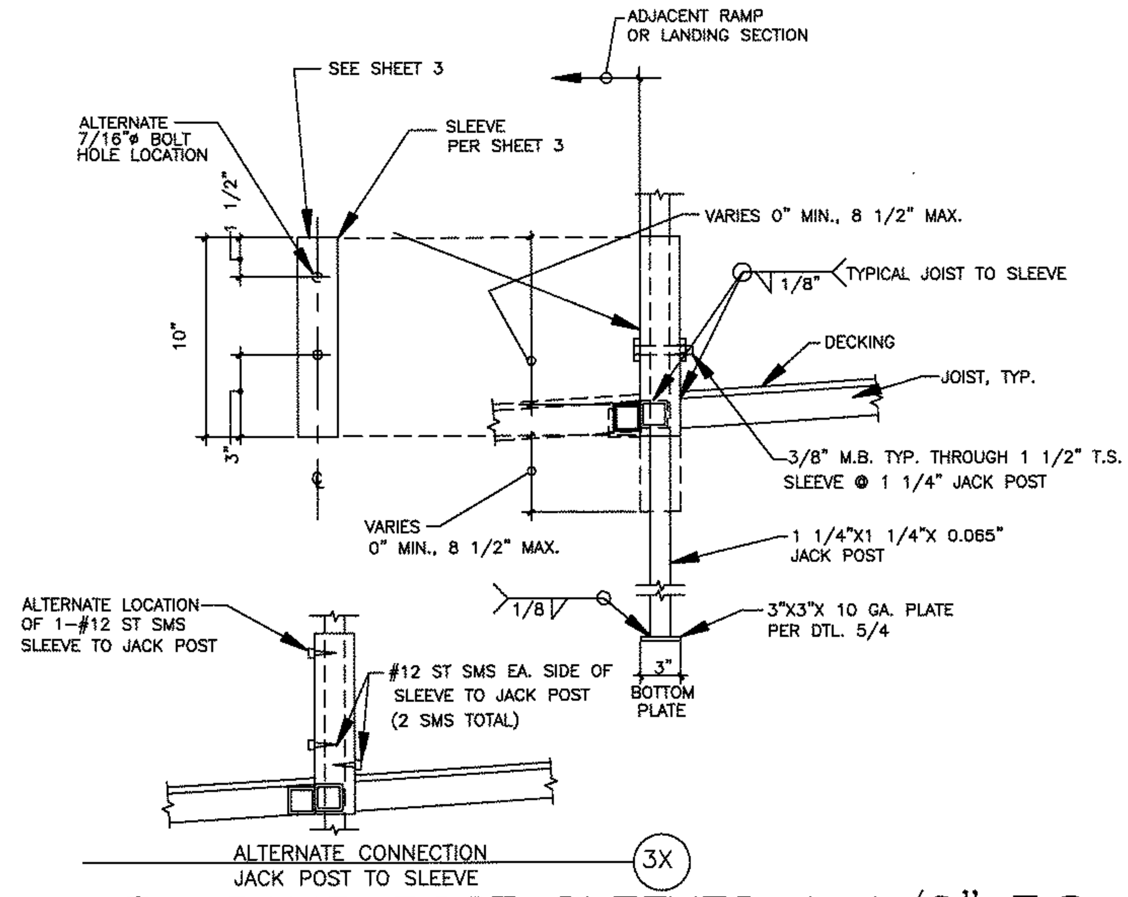
3

OF 8 SHEETS

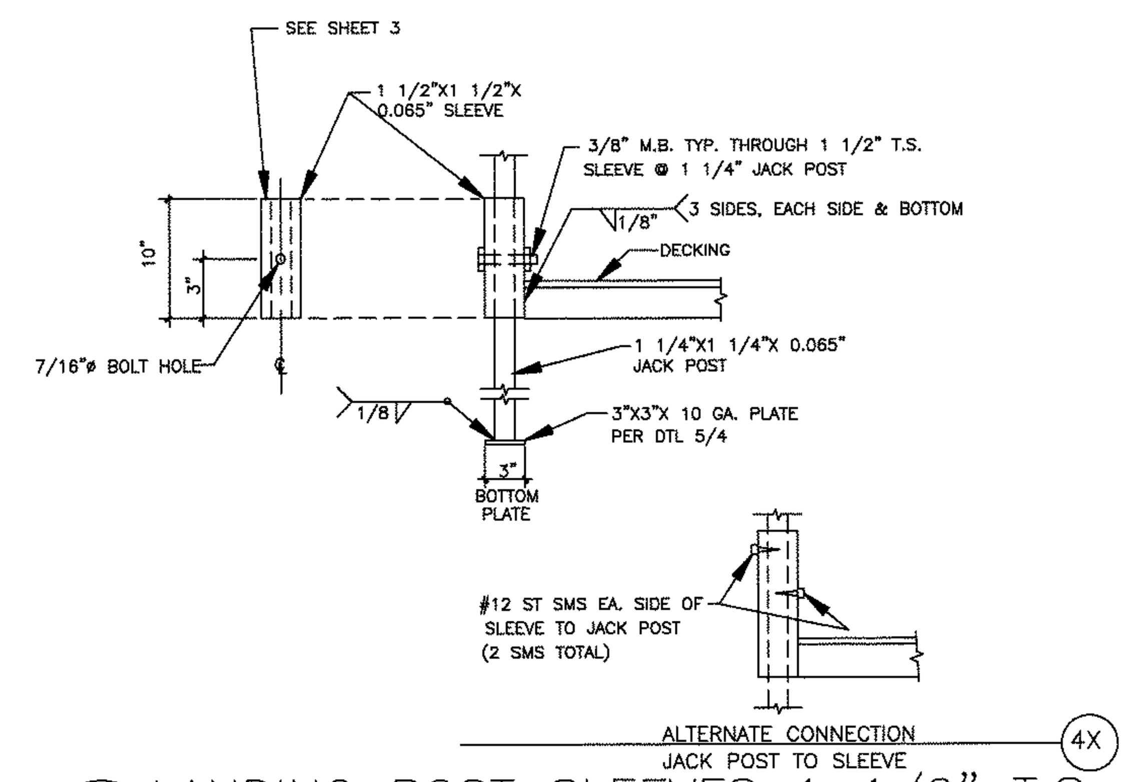
TMP DSA RAMP & LANDING STEEL SHEET 3.DWG



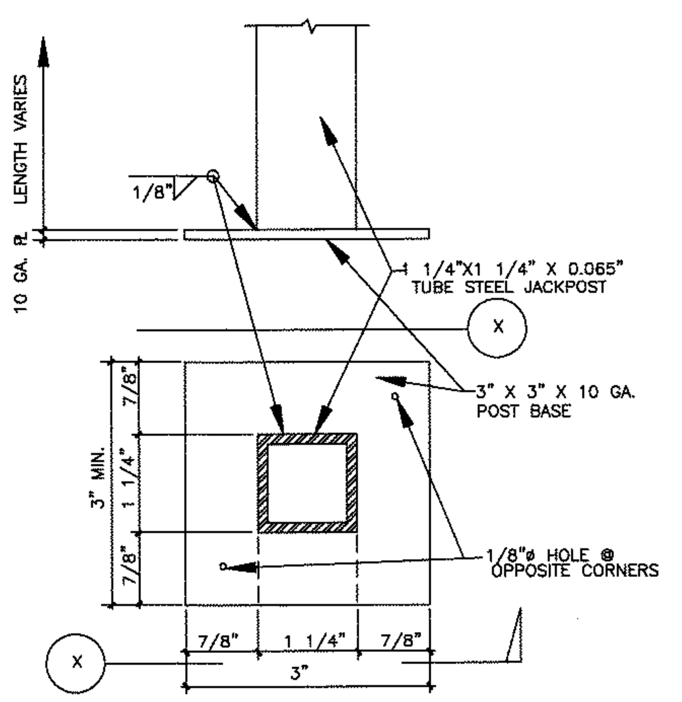
2/4 TYPICAL HANDRAIL ARMS



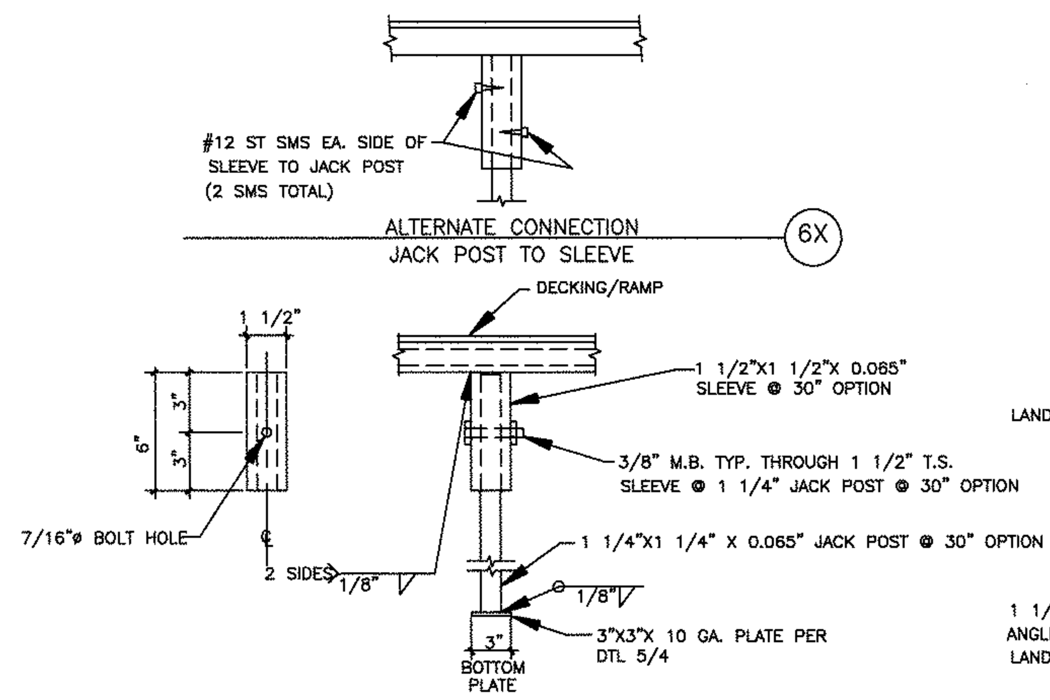
3/4 RAMP POST SLEEVES 1 1/2" T.S.



4/4 LANDING POST SLEEVES 1 1/2" T.S.

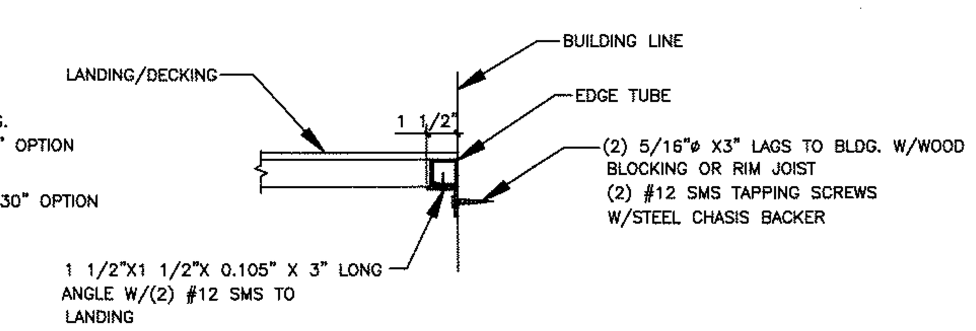


5/4 POST BASE



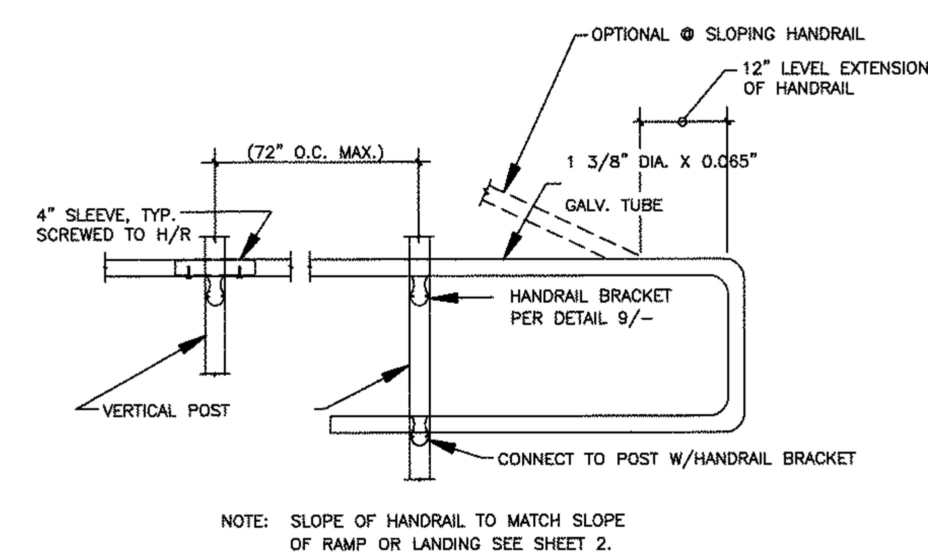
6/4 MID SPAN POST

NOTE: USE 2" X 2" X 0.12" SLEEVE AND 1 1/2"X1 1/2"X 0.065" JACK POST @ ABOVE 30" OPTION

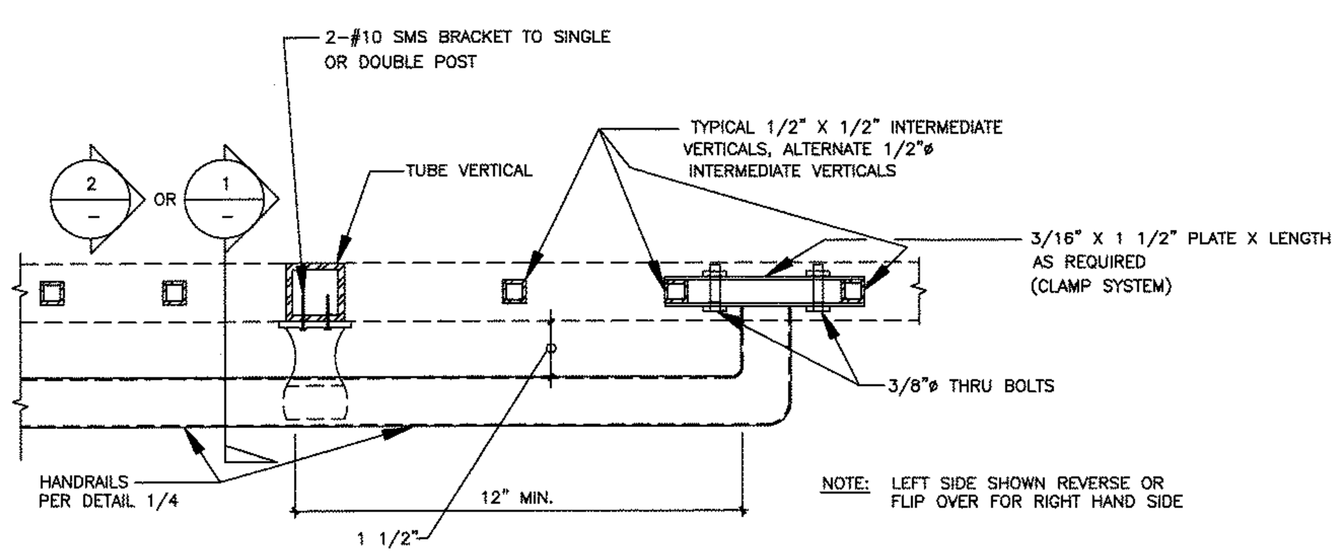


7/4 LANDING TO BUILDING

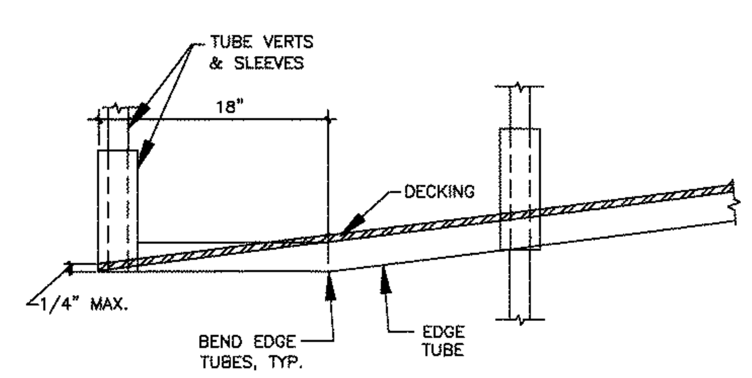
NOTE: DECK SECTIONS ARE FREE STANDING FOR VERTICAL LOADS.



8/4 OPTIONAL CONNECTION @ HANDRAIL DETAIL



9/4 OPTIONAL HANDRAIL DETAIL @ TOP OF STAIRS OR RAMPS



10/4 TOE @ END OF RAMP

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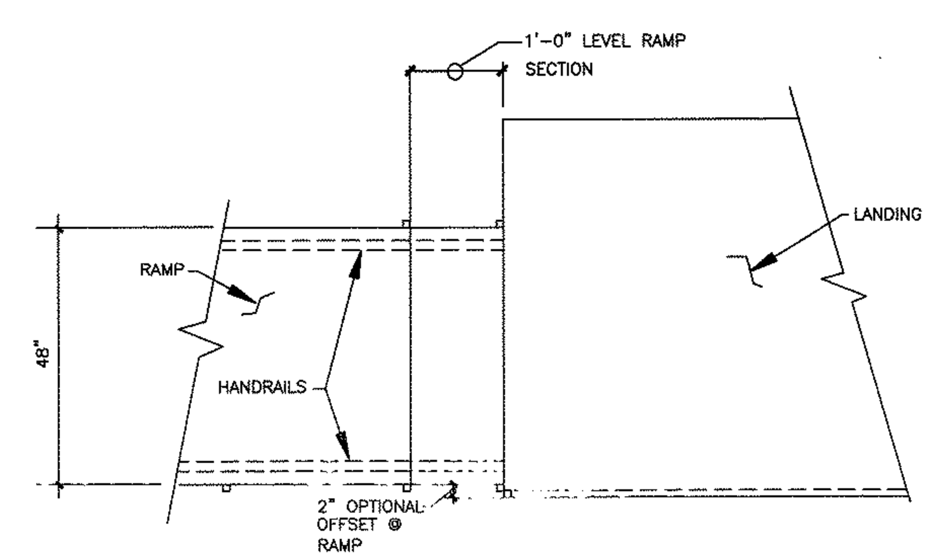
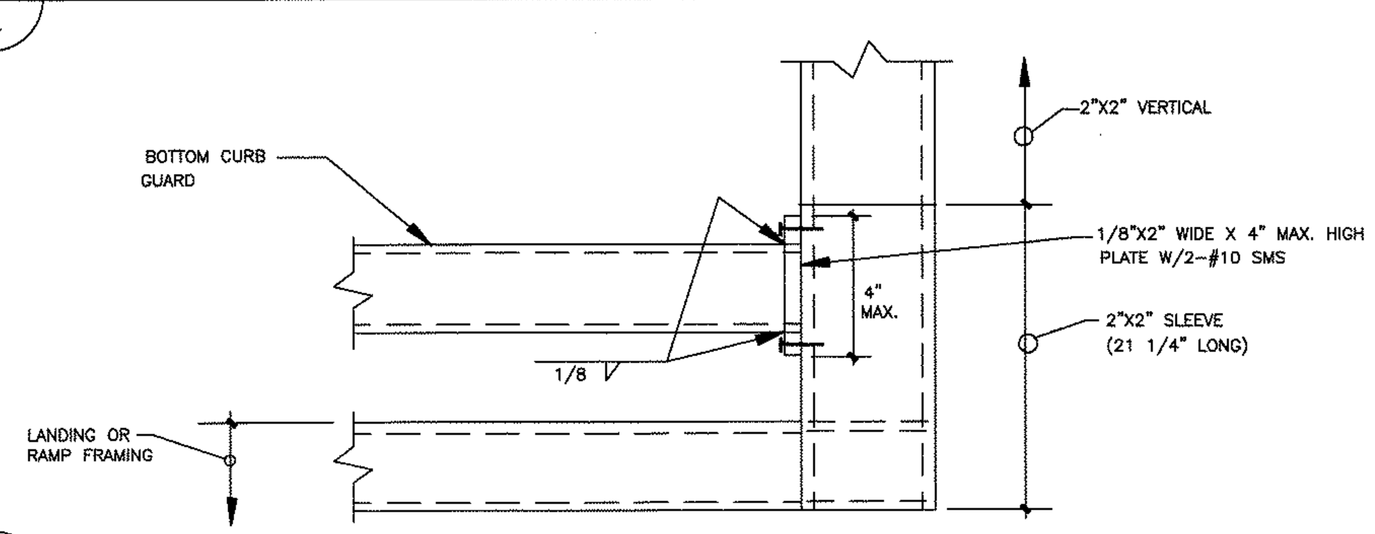


11/4

NO SCALE



12/4

NOTES:

CODES:
2016 CALIFORNIA BUILDING CODE (CBC)

DESIGN LOADS:
LIVE LOAD: 100 PSF
WIND LOAD: SEE SHEET 1
SEISMIC: SEE SHEET 1
HANDRAIL & GUARD RAIL LOADS:
50#/FT
200# POINT LOAD

MATERIAL SPECIFICATIONS:
STEEL: ALL TUBE STEEL ASTM A-1008 CS TYPE A OR B (Fy = 40 KS1)
ALL SHEET, ANGLES, PLATE ETC. TO BE A1011SS GRADE 40
ALL STEEL TO BE COATED WITH A RUST INHIBITIVE COATING
BOLTS: ASTM A307 COMMON BOLTS HOT DIPPED GALVANIZED W/ STAINLESS STEEL WASHERS
PLYWOOD OPTION: APA RATED STRUCT I EXTERIOR PLYWOOD
WELDS: ALL WELDING SHALL CONFORM TO "AMERICAN WELDING SOCIETY D-1.3-2008 FOR SHEET STEEL.
ELECTRODES SHALL BE E70XX.

GENERAL NOTES:

1) RAMPS HAVING SLOPES STEEPER THAN 1 VERTICAL TO 20 HORIZONTAL SHALL HAVE LANDINGS AT TOP AND BOTTOM AND AT LEAST ONE INTERMEDIATE LANDING SHALL BE PROVIDED FOR EACH 30" OF RISE, PER CBC 11B-405.7.

2) LOCATION OF LANDINGS.
LANDINGS SHALL BE PROVIDED AT TOP AND BOTTOM OF EACH RAMP. INTERMEDIATE LANDINGS SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 30 INCHES OF VERTICAL RISE AND AT EACH CHANGE OF DIRECTION . LANDINGS ARE NOT CONSIDERED IN DETERMINING THE MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP.

NOTE: EXAMPLES OF RAMP DIMENSIONS ARE:

SLOPE	MAX. RISE (INCHES)	MAX. HORIZONTAL PROJECTION
1:12	30	30'-0"
1:16	30	40'-0"
1:20	30	50'-0"
1:15	30	37'-6"

2. SIZE OF TOP LANDINGS. TOP LANDINGS SHALL NOT BE LESS THAN 60 INCHES WIDE AND SHALL HAVE A LENGTH OF NOT LESS THAN 60 INCHES IN THE DIRECTION OF RAMP RUN, PER CBC 11B-405.7.2 AND .3.

3) DOORS IN ANY POSITION SHALL NOT REDUCE THE MINIMUM DIMENSION OF THE LANDING TO LESS THAN 42" AND SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 3" WHEN FULLY OPENED, CBC 11B-405.7.5.

4) RAMPS SHALL BE CONSTRUCTED AS REQUIRED FOR STAIRWAYS.

5) THE SURFACE OF RAMPS SHALL BE ROUGHED OR SHALL BE OF SLIP-RESISTANT MATERIAL, TYP. FOR LANDINGS & STAIRS.

6) RAMPS REQUIREMENTS SHALL BE PER CBC 11B-405.

7) RAMPS AND STAIRWAYS USED AS EXIT SHALL CONFORM TO CBC SEC. 1009 SEC. 1010, CHAPTER 11B AND 11B-405.5.

8) HANDRAILS AND GUARDRAILS SHALL CONFORM TO CBC 11B-405.8 (RAMP), AND 11B-504 (STAIRS).

9) RAMPS SHALL CONFORM TO CBC 11B-405.

10) STRIKE EDGE EXTENSION THE WIDTH OF THE LANDING SHALL EXTEND 24" PAST THE STRIKE EDGE OF ANY DOOR OR GATE FOR EXTERIOR RAMPS AND 18" PAST THE STRIKE EDGE FOR INTERIOR RAMPS.

11) LANDING WIDTH. AT BOTTOM AND INTERMEDIATE LANDINGS, THE WIDTH SHALL BE AT LEAST THE SAME AS REQUIRED FOR RAMPS, CBC 11B-405.7.4.

12) THE WIDTH OF RAMPS SHALL BE AS REQUIRED PER STAIRWAYS AND EXITS, CBC 11B-405.5.

13) SLOPE RAMPS AND LANDINGS AS REQUIRED TO PREVENT ACCUMULATION OF WATER ON WALKING SURFACES.

14) ALL WORK SHALL CONFORM TO TITLE 24 CALIFORNIA CODE OF REGULATIONS (CCR).

15) CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1 TITLE 24, CCR.

16) A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4.342 PART 1 TITLE 24 CCR.

IN PLANT: SHOP WELDING INSPECTION AND MATERIAL VERIFICATION

SITE CONSTRUCTION: CLASS 4

DATE SIGNED
APR 1 7 2018

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 2502 STRUCTURAL STATE OF CALIFORNIA

EXL
STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

REVISIONS	BY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT
APPLICATION FOR CONSTRUCTION
IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 116740
ACS FLS SS
DATE MAY 1 6 2018

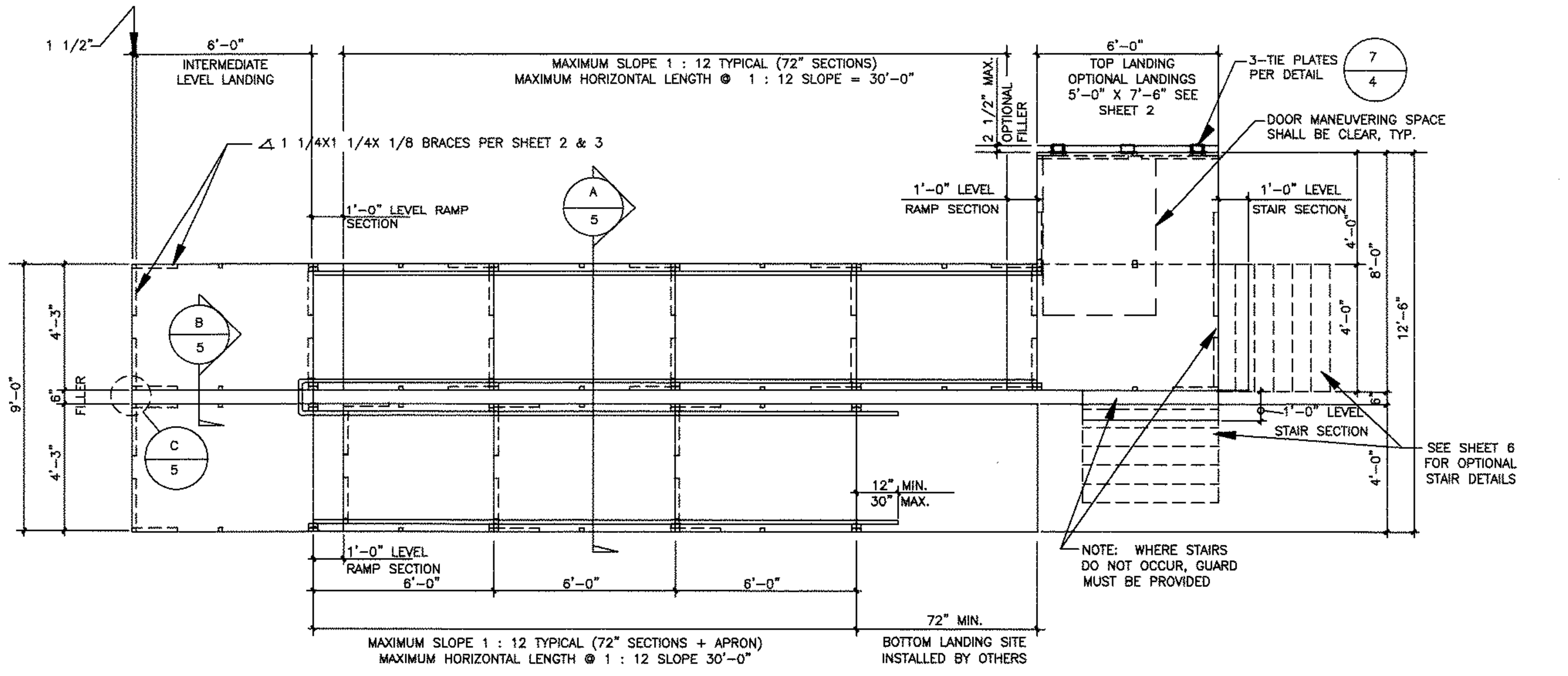
DETAILS AND NOTES

TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951)213-3900
FAX: (951)213-3997

SITE:
STATE OF CALIFORNIA
PC 04-116740-2016 CBC

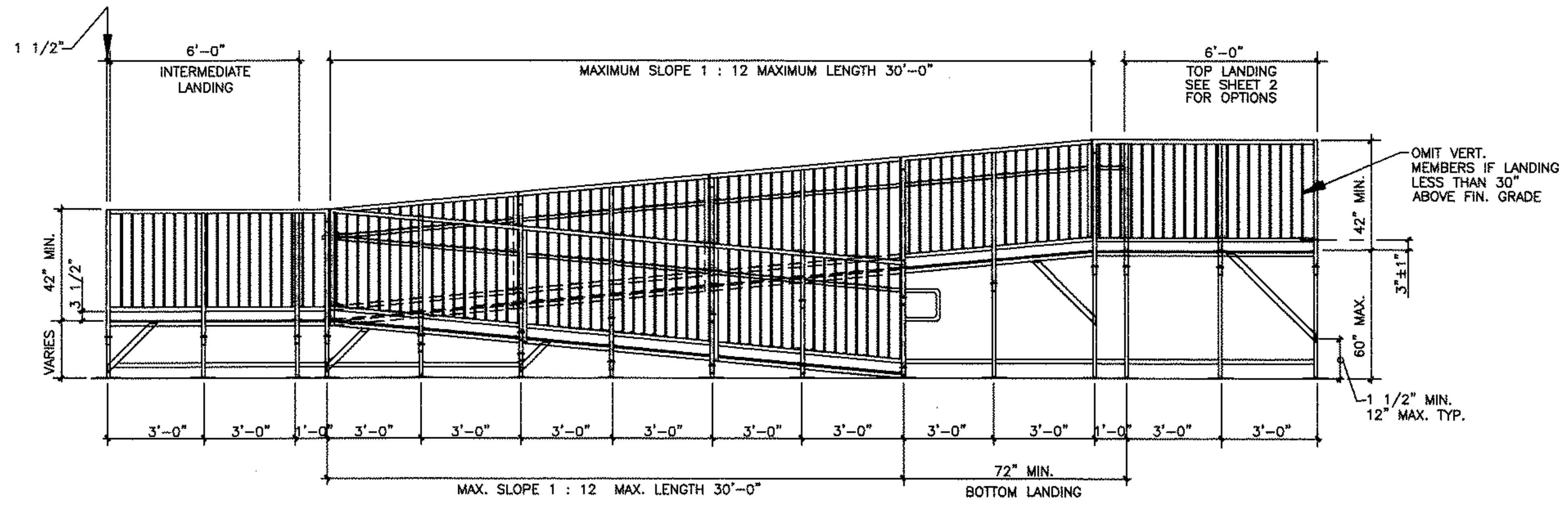
DRAWN
CHECKED
DATE
12 APRIL 2018
SCALE
JOB NO.

TMP DSA RAMP & LANDING STEEL SHEET 4.DWG



TYPICAL PLAN VIEW OF ACCESSIBLE RAMP WITH SWITCH-BACK & PLATFORMS

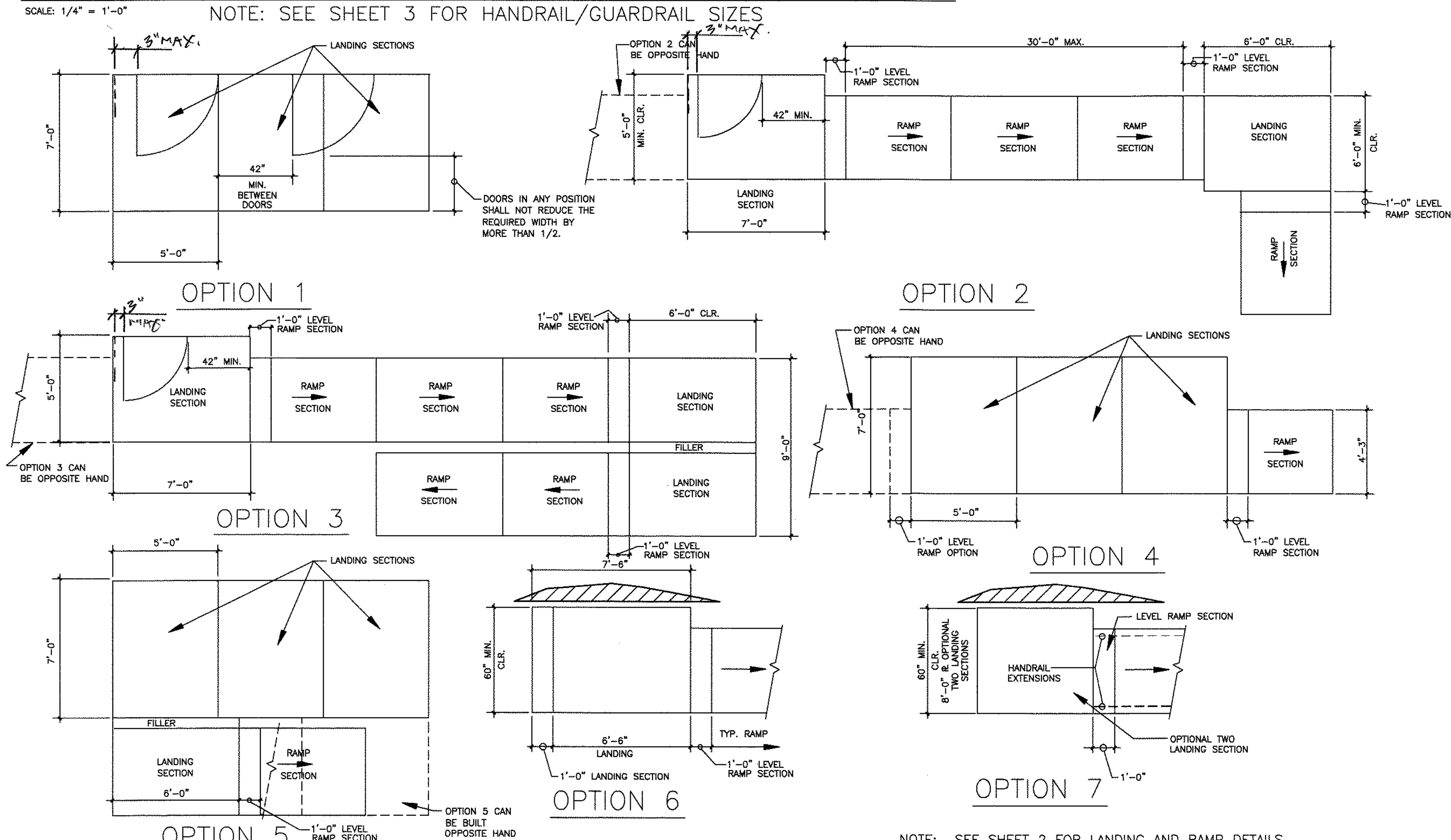
SCALE: 1/4" = 1'-0"



TYPICAL ELEVATION OF ACCESSIBLE RAMP W/SWITCH-BACK RAMP

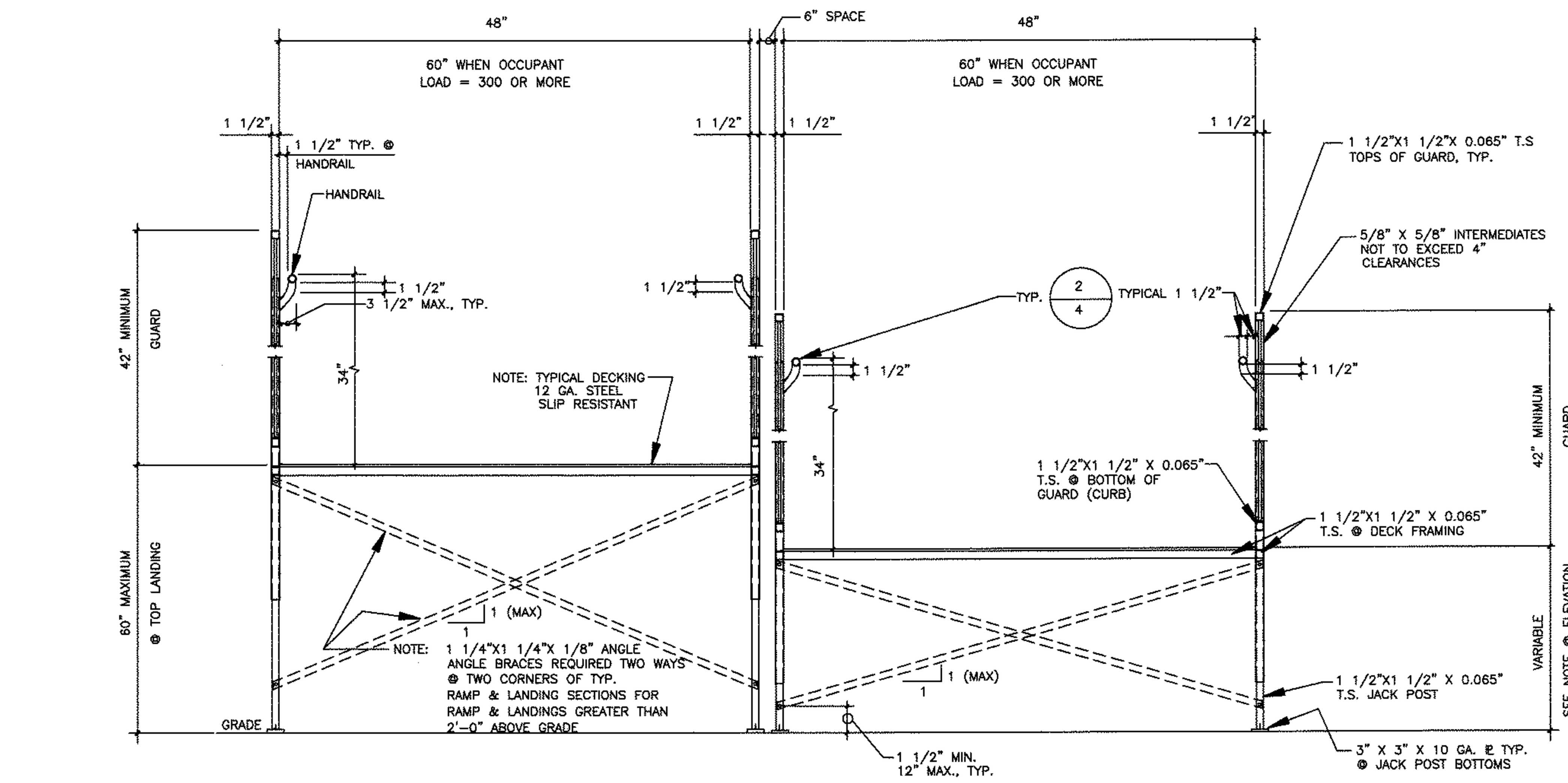
SCALE: 1/4" = 1'-0"

NOTE: SEE SHEET 3 FOR HANDRAIL/GUARDRAIL SIZES



MULTIPLE LANDINGS AND RAMPS

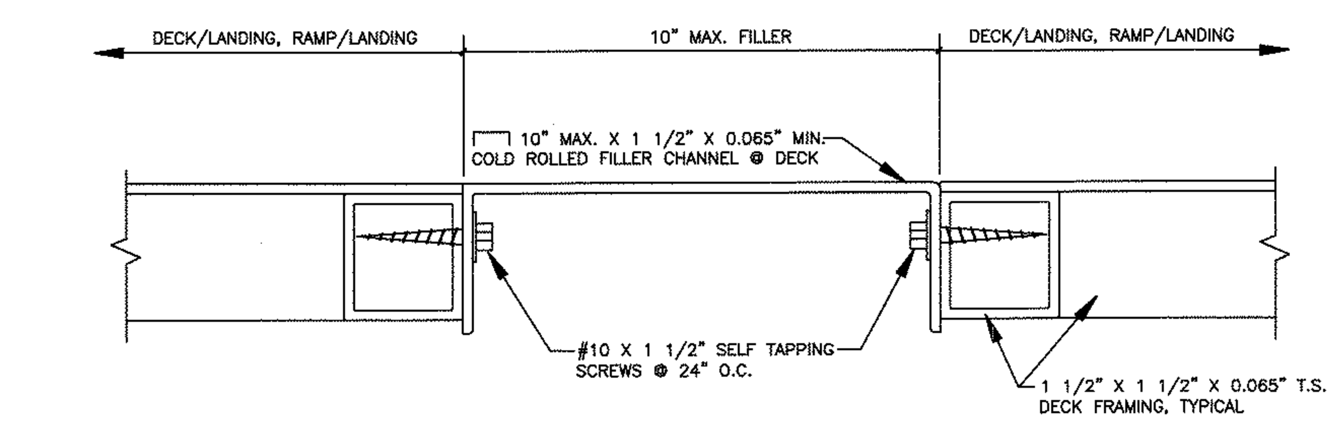
NOTE: SEE SHEET 2 FOR LANDING AND RAMP DETAILS, SEE SHEET 6 FOR TYPICAL STAIRS



A

TYPICAL CROSS SECTIONS

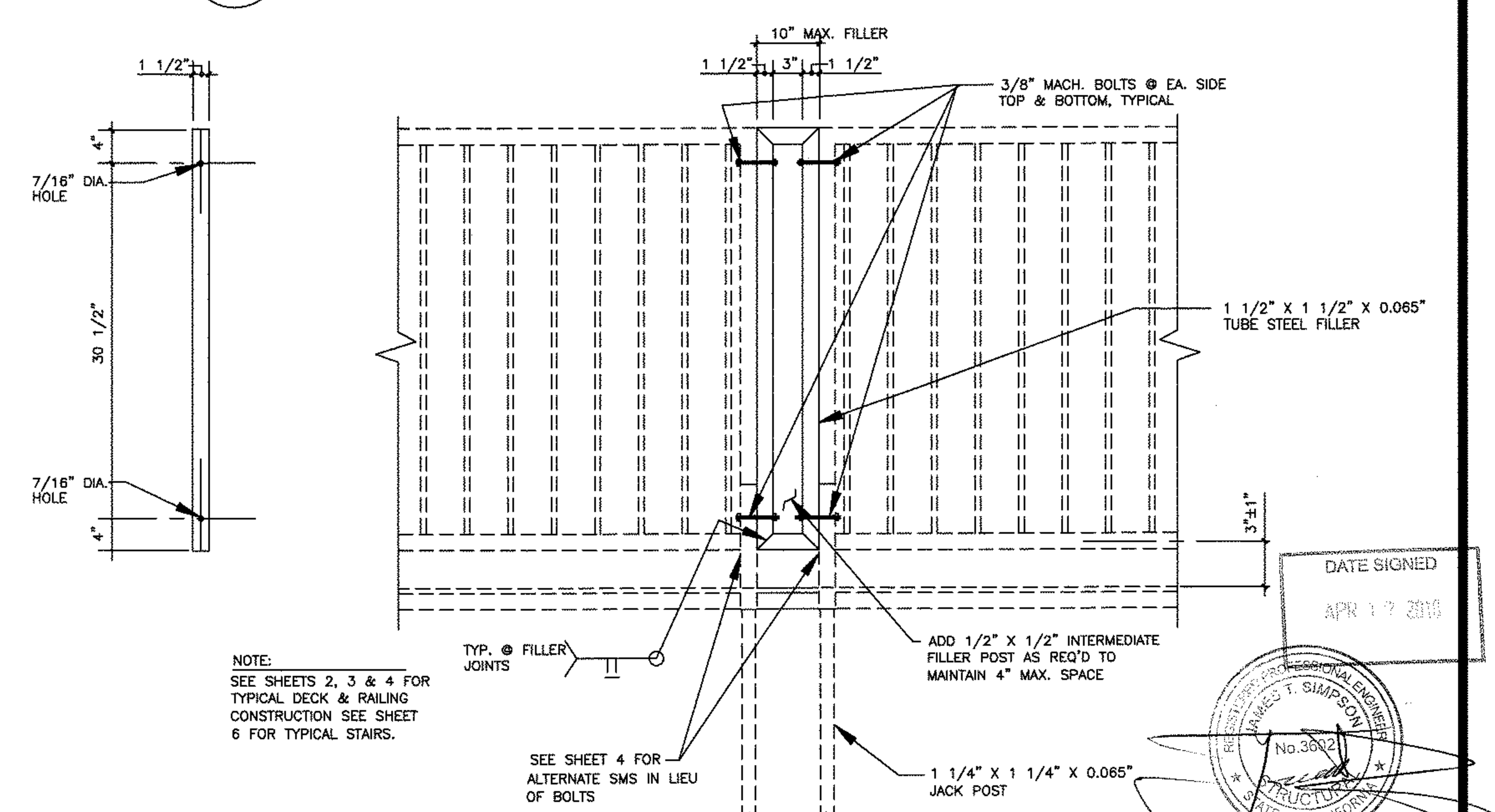
SCALE: 1/4" = 1'-0"



B

TYPICAL DECK CROSS SECTION

SCALE: 1/2" = 1'-0"



C

TYPICAL GUARDRAIL FILLER

SCALE: 3/4" = 1'-0"

DATE SIGNED
APR 1? 2018

EXL
STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

PRE-CHECK (PC) DOCUMENT
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A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

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04 116740
ACS FLS SS
DATE MAY 1 6 2018

ACCESSIBLE RAMP SWITCHBACK DETAILS

TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951)213-3900
FAX: (951)213-3997

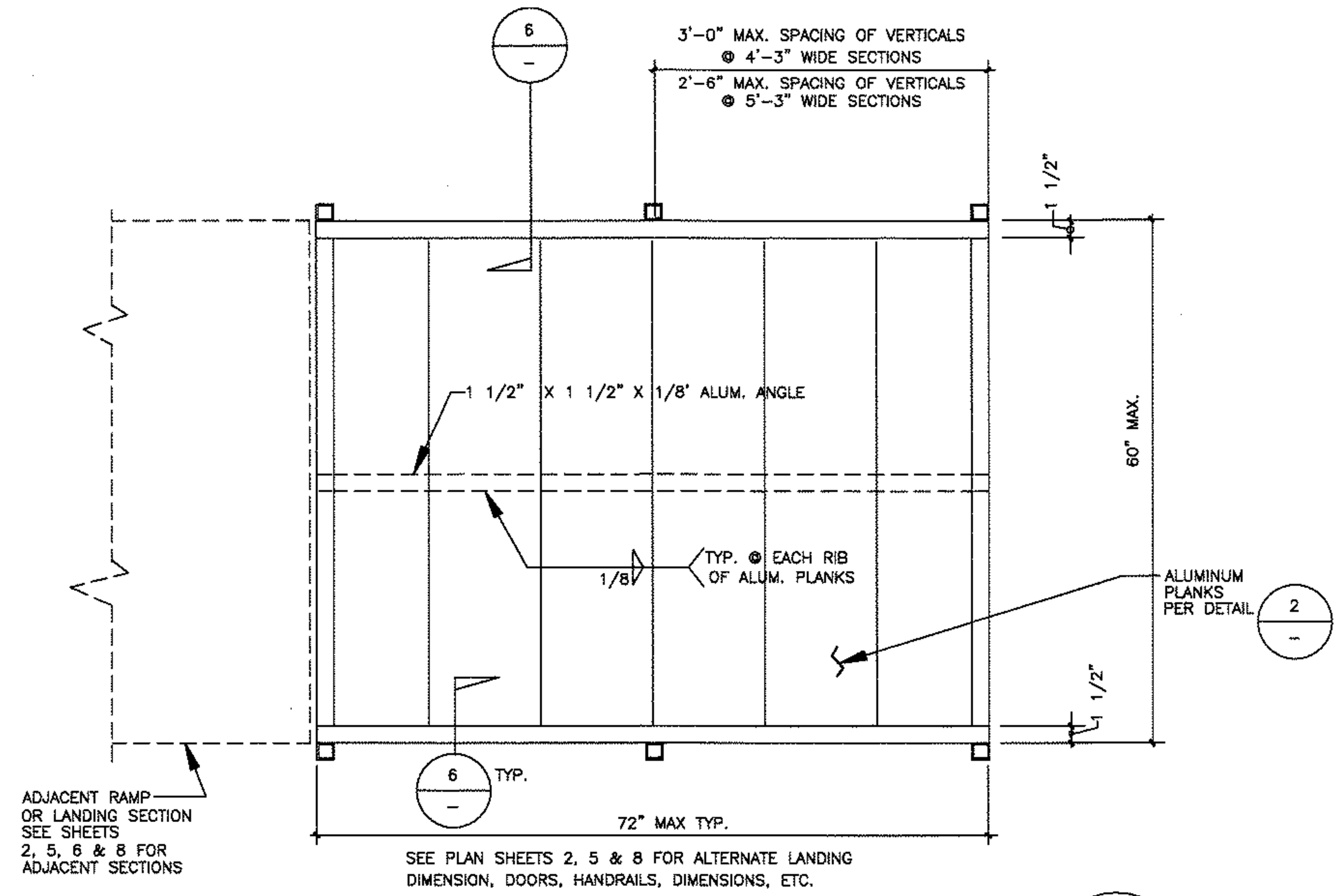
SITE:
STATE OF CALIFORNIA
PC 04-116740-2016 CBC

DRAWN
CHECKED
DATE
12 APRIL 2018
SCALE
JOB NO.

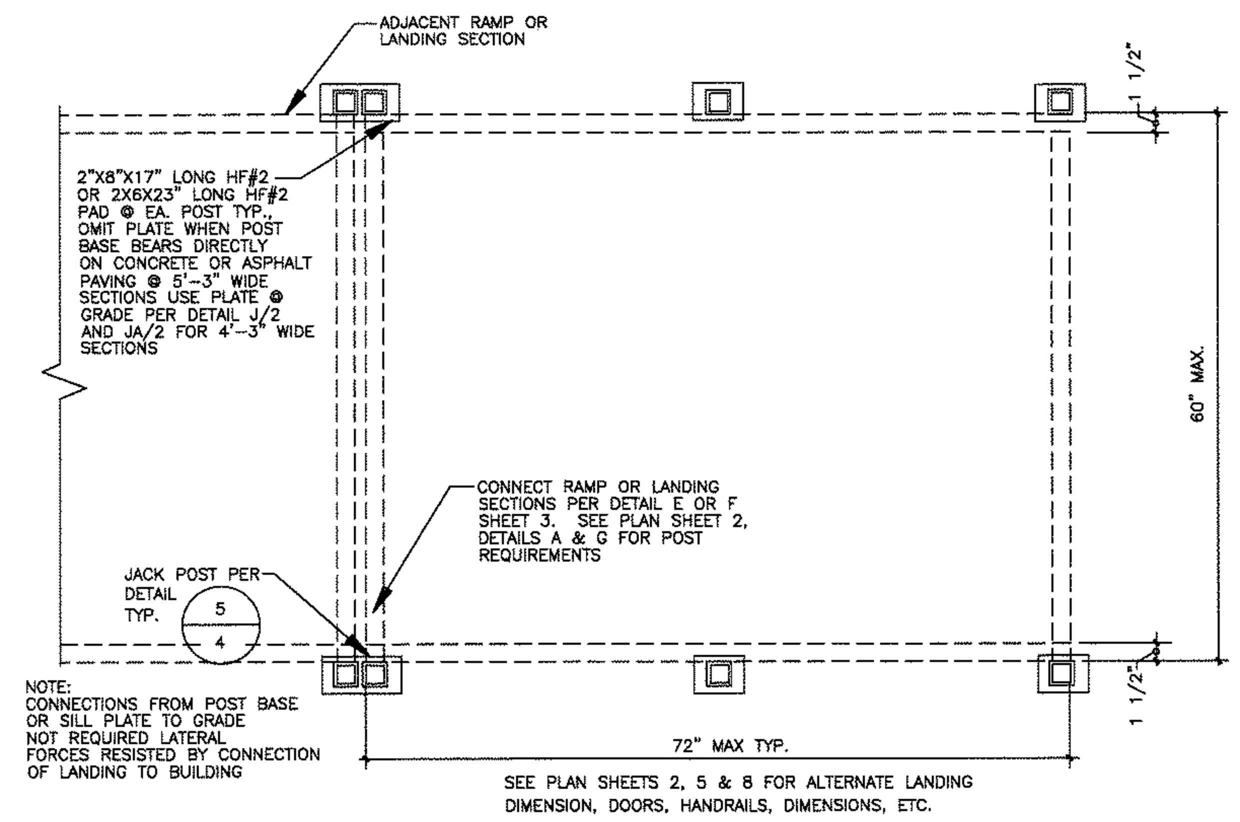
5

OF 8 SHEETS

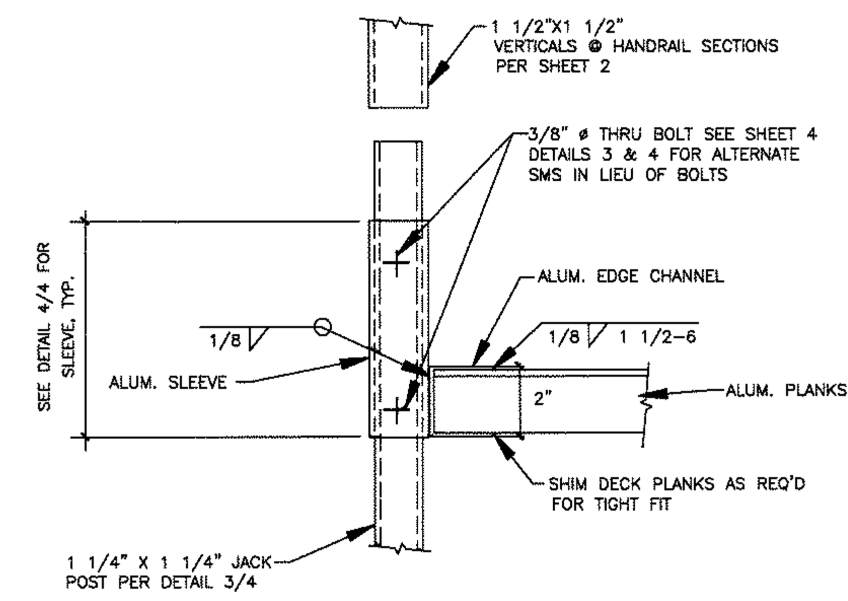
TMP DSARAMP & LANDING STEEL SHEET 5.DWG



LANDING OR RAMP SECTION 1B

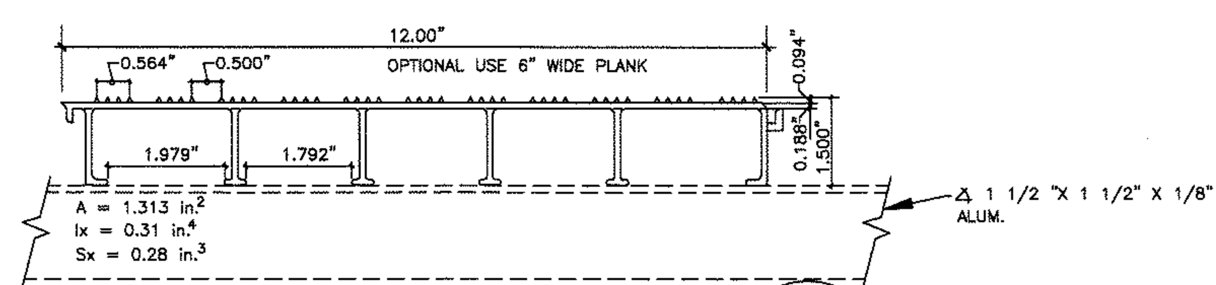


FOOTINGS @ LANDING OR RAMP SECTION 1A

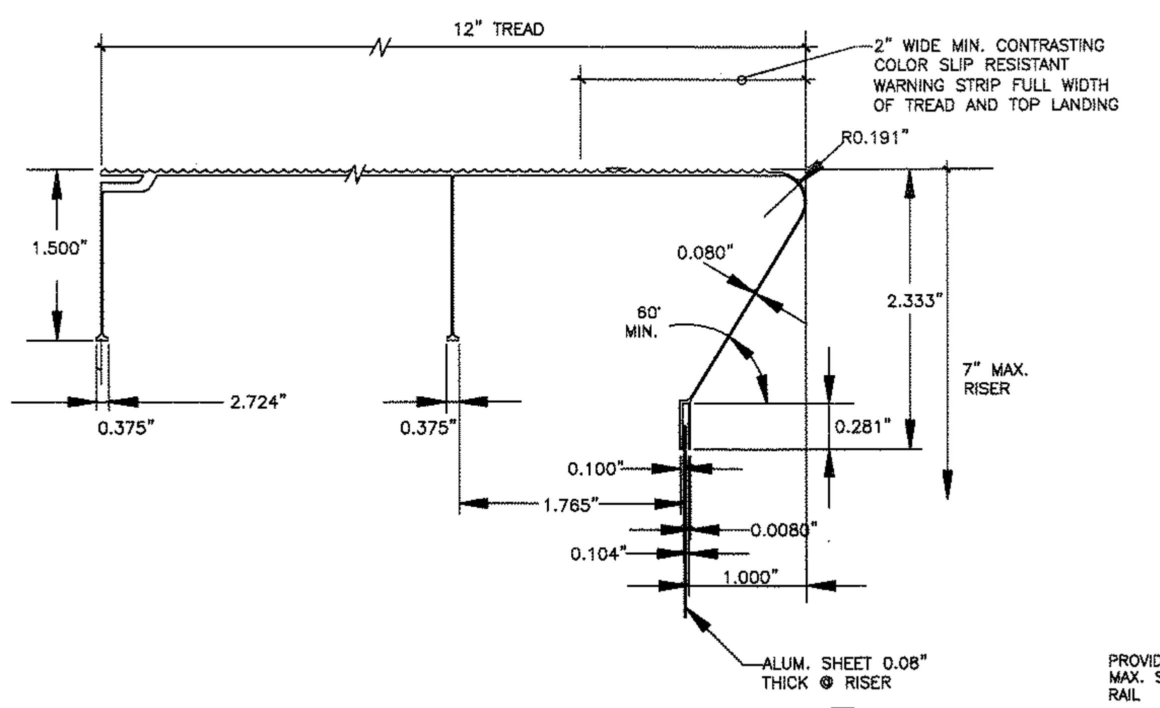


ALUM. SLEEVE DETAIL 3

SCALE: 3" = 1'-0"

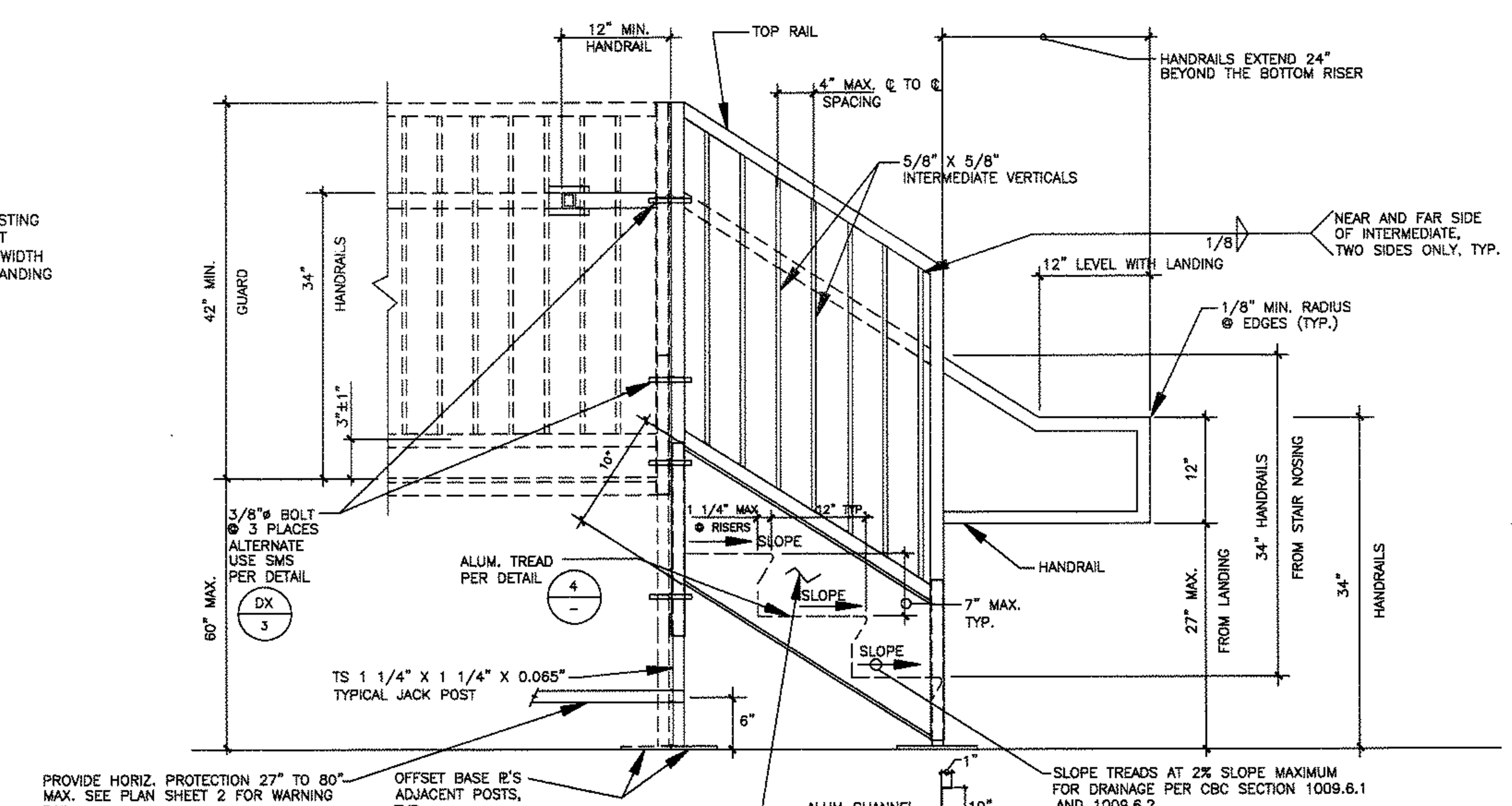


ALUM. DECK PLANKING 2



ALUM. STAIR TREAD 4

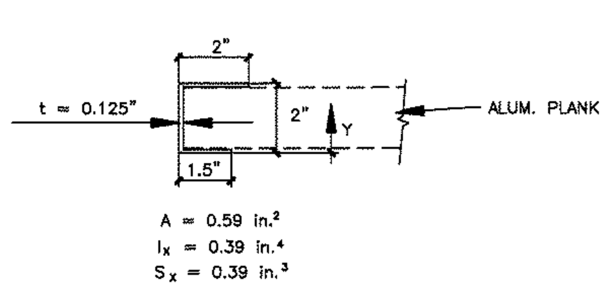
SCALE: 3/4" = 1"



STAIRS 5

SCALE: 3/4" = 1'-0"

NOTE: PICKETS & 42" HIGH GUARD REQUIRED FOR THRESHOLD HEIGHTS GREATER THAN 30" ABOVE FINISH GRADE.
FOR THRESHOLD HEIGHTS LESS THAN 30" ABOVE FINISH GRADE, PICKETS CAN BE OMITTED & HANDRAIL WILL ACT AS GUARD.



ALUM. EDGE CHANNEL 6

SCALE: 3" = 1-0"

NOTES:

MATERIAL SPECIFICATIONS:
ALUMINUM:

1 1/4X 1 1/4X 1/8 ANGLE	6063 T5
2"X1 1/2"X1/8" CHANNEL	6063 T5
DECK PLANKS	6063 T5
STAIR PLANKS	6063 T5

BOLTS: ALUMINUM 6061-T6, 2024-T4 OR 7075-T73, ALTERNATE USE TYPE 304 STAINLESS STEEL BOLTS WITH STAINLESS STEEL WASHERS.

WELDS: ALL WELDING SHALL CONFORM TO "AMERICAN WELDING SOCIETY D1.2-2008 FOR ALUMINUM", ELECTRODES SHALL BE 5356 OR 5554 FOR 6063-T5 ALUMINUM & SHALL BE 5556 FOR 6061-T6 ALUMINUM.

SEE SHEET 4 FOR GENERAL NOTES

REVISIONS BY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT
APPLICATION FOR CONSTRUCTION
IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 116740
ACS FLS SS
DATE MAY 1 6 2018

ACCESSIBLE RAMP
OPTIONAL ALUMINUM DECK

TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951)213-3900
FAX: (951)213-3997

SITE:
STATE OF CALIFORNIA
PC 04-116740-2016 CBC

DATE SIGNED
APR 1 2 2018

JAMES T. SIMPSON
STRUCTURAL
STATE OF CALIFORNIA

EXL
STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

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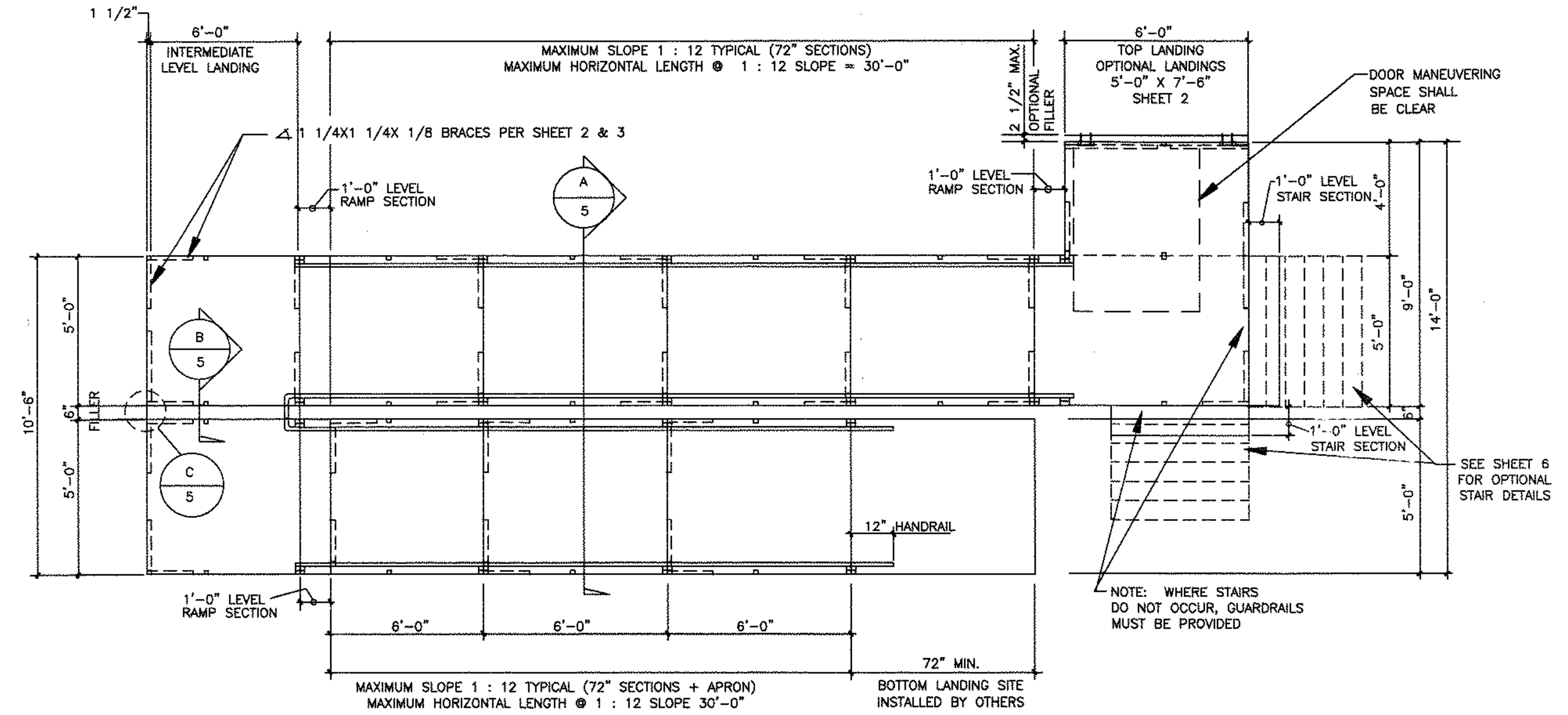
CHECKED
DATE
12 APRIL 2018
SCALE
JOB NO.

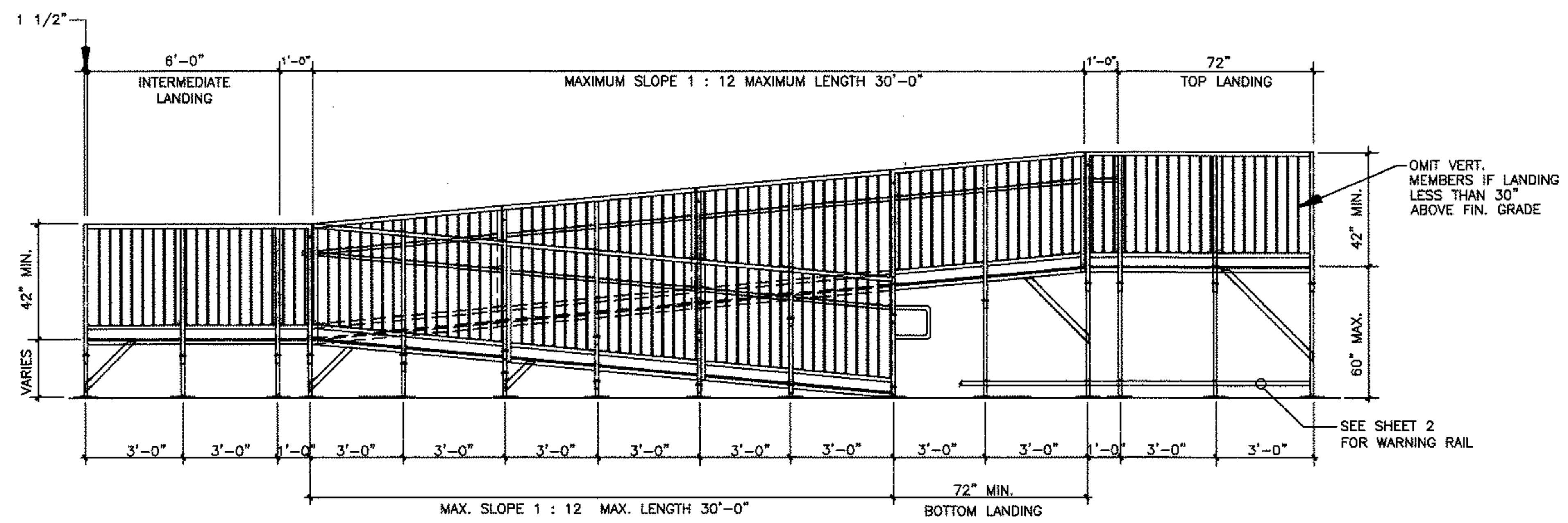
7 OF 8 SHEETS

TMP DSA RAMP & LANDING STEEL SHEET 7.DWG



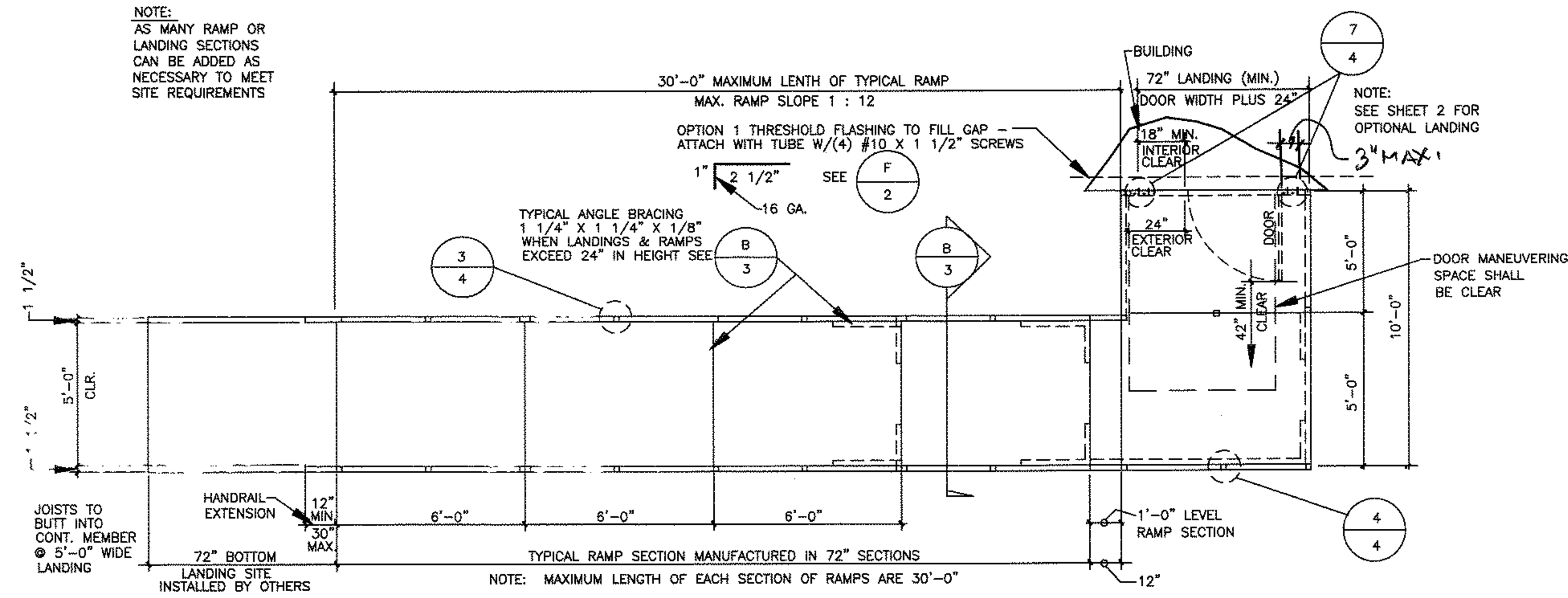
TYPICAL PLAN VIEW OF ACCESSIBLE RAMP WITH SWITCH–BACK & PLATFORMS

SCALE: 1/4" = 1'-0"



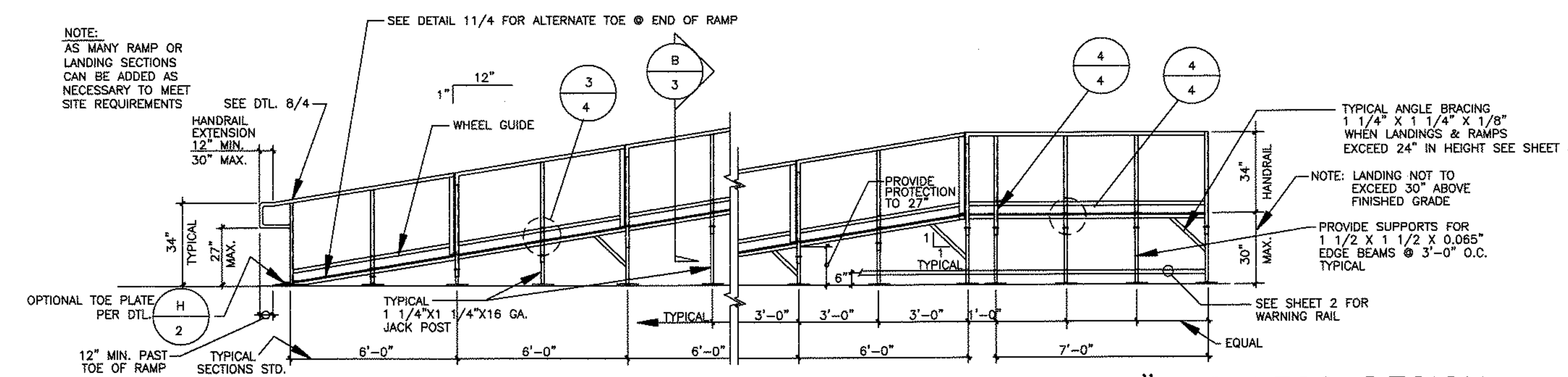
TYPICAL ELEVATION OF ACCESSIBLE RAMP W/SWITCH–BACK RAMP W/ 5'–0" WIDE RAMPS

SCALE: 1/4" = 1'-0"



TYPICAL PLAN VIEW OF ACCESSIBLE RAMP & DECK LAYOUT

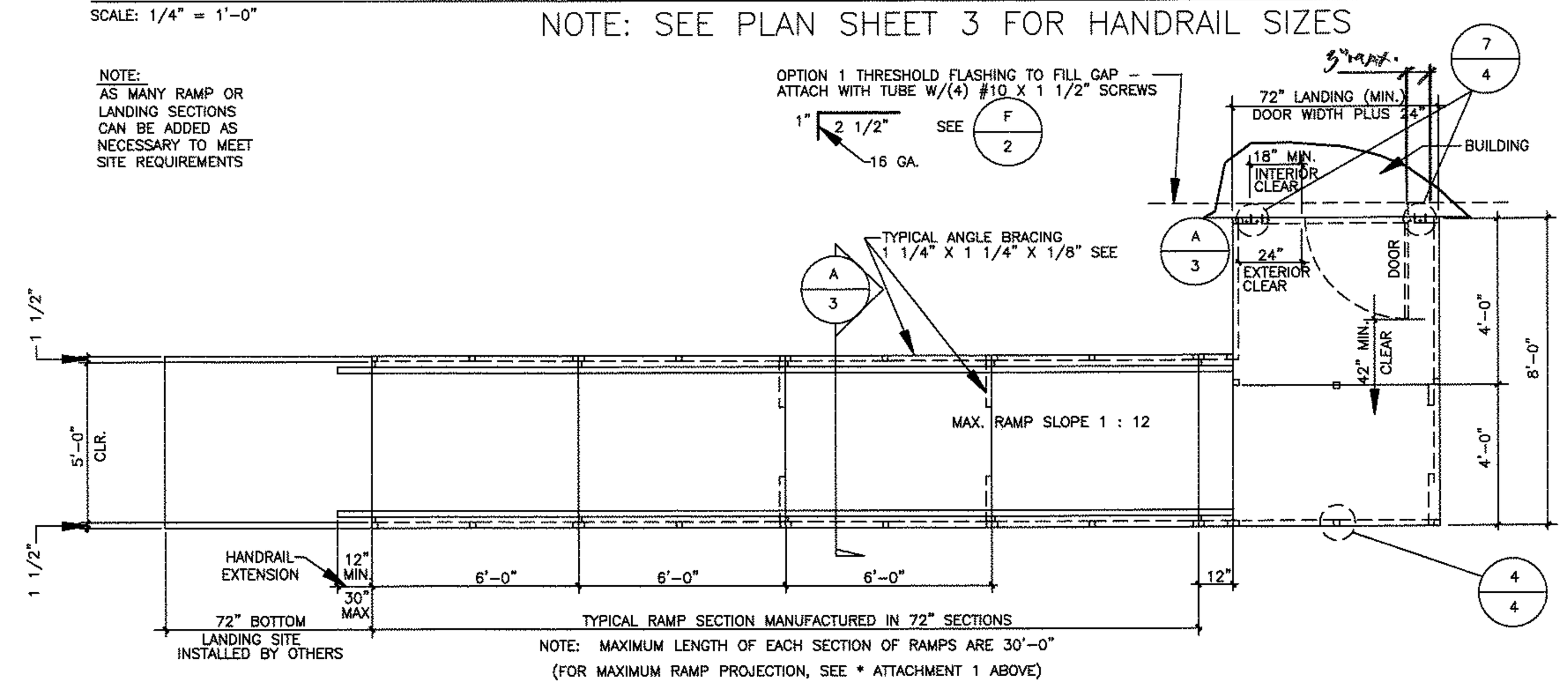
SCALE: 1/4" = 1'-0"



TYPICAL ELEVATION OF ACCESSIBLE RAMP & DECKING 30" OR LESS DESIGN

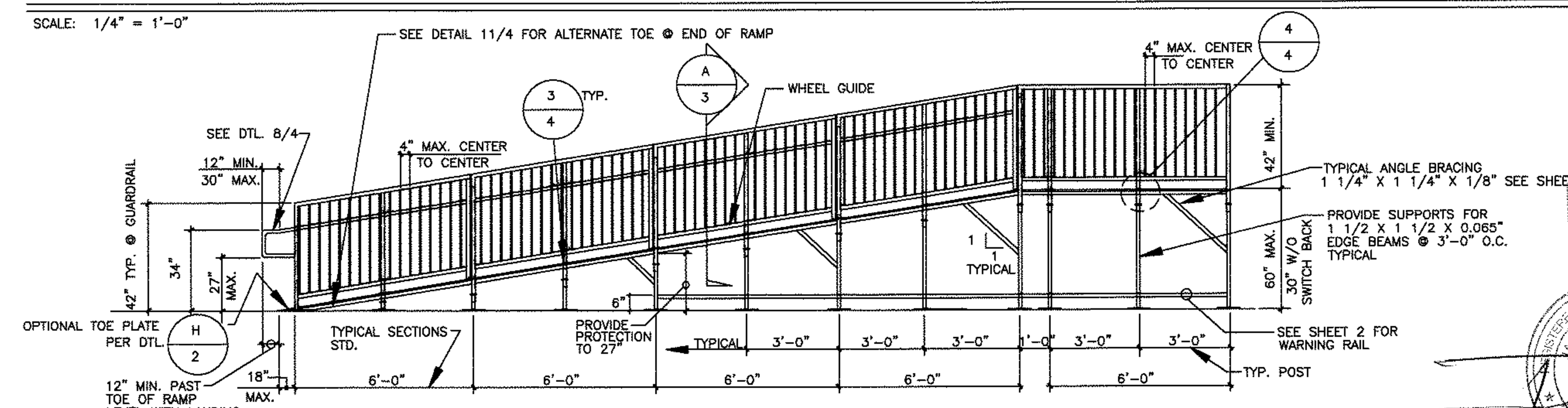
SCALE: 1/4" = 1'-0"

NOTE: SEE PLAN SHEET 3 FOR HANDRAIL SIZES



TYPICAL PLAN VIEW OF ACCESSIBLE RAMP & DECK LAYOUT OVER 30" DESIGN

SCALE: 1/4" = 1'-0"



TYPICAL ELEVATION OF ACCESSIBLE RAMP & DECKING

SCALE: 1/4" = 1'-0"

NOTE: SEE PLAN SHEET 3 FOR HANDRAIL/GUARDRAIL SIZES

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

DATE SIGNED APR 17 2018

REVISIONS | BY

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT
APPLICATION FOR CONSTRUCTION
IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 116740
ACS FLS SS
DATE MAY 16 2018

ACCESSIBLE RAMP ELVATIONS & PLAN VIEWS

TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951)213-3900
FAX: (951)213-3997

SITE:

STATE OF CALIFORNIA
PC 04-116740-2016 CBC

DRAWN

CHECKED

DATE 12 APRIL 2018

SCALE

JOB NO.

8

OF 8 SHEETS

TMP DSA RAMP & LANDING STEEL SHEET 8.DWG

Page 1 of 4

DSA DIVISION OF THE STATE ARCHITECT — DEPARTMENT OF GENERAL SERVICES

DSA-103 Issued 12/30/2016

List of Required Structural Tests & Special Inspections - 2016 CBC

INCREMENT #
DSA File No.:
Application No.:
Date Submitted:
Revised:
Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.
NOTE: This form is also available for projects submitted for review under the 2007, 2010, and 2013 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. **Note:** A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests and inspections finally selected. **For more information on use of this form, see DSA-103.INSTR.**

Note: References are to the 2016 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE 1	PERFORMED BY 2	CODE REFERENCE AND NOTES
+	**SOILS**			
+	**CONCRETE**			Table 1705A.3, ACI 318-14 Sections 26.12 & 26.13
+	**MASONRY**			TMS 402-13/ACI 530-13/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530.1-13/ASCE 6-13 Table 5
-	**STEEL, ALUMINUM**			Table 1705A.2.1, AISC 303-10, AISC 360-10, AISC 341-10, AISC 358-10, AISI S100-07/S2-10
-	**17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES**			
	Material Verification:			
X	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements.	Periodic	*	2203A.1 (2203.1*), Table 1705A.2.1 Item 3a-3c; AISI S100-07/S2-10 Section A2.1 & A2.2, AISI S200-12 Section A3, AISI S220-11 Section A4. * By special inspector or qualified technician when performed off-site.
X	b. Test unidentified materials	Test	LOR	2203A.1 (2203.1*).
	Inspection:			
X	e. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
-	**19. WELDING:**			1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	**19.1 SHOP WELDING:**			
	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	Continuous	SI	Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3.
	d. Verification of reinforcing steel weldability other than ASTM A706	Periodic	SI	1705A.3.1; verify carbon equivalent reported on mill certificates. AWS D1.4. DSA IR 17-3.
	e. Inspect welding of reinforcing steel.	Continuous	SI	1705A.3.1, Table 1705A.3 Item 2, and Table 1705A.2.1 Item 5b, 1903A.8. AWS D1.4. DSA IR 17-3.
+	**WOOD**			
+	**OTHER**			

List of required verified report(s):

KEY to Columns	
1 Type -	2 Performed By -
Continuous – Indicates that a continuous special inspection is required	**GE** – Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative
Periodic – Indicates that a periodic special inspection is required	**LOR** – Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
Test – Indicates that a test is required	**SI** – Indicates that the special inspection is to be performed by a special inspector
COMPILE PRINT	

Name of Architect or Engineer in general responsible charge

Name of Structural Engineer (When structural design has been delegated)

Signature of Architect or Structural Engineer date

IDENTIFICATION STAMP
DIV OF THE STATE ARCHITECT
APP. #
AC N/A F/LS N/A SS
DATE

"CONSTRUCTION OF" AND "STOCKPILE OF" EXAMPLE DSA 103 FORM (DSA 103 FORM NOT REQUIRED FOR RELOCATION OF CERTIFIED RAMP & LANDING).

THE EXAMPLE FORM DSA-103 SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECT-SPECIFIC FORM DSA-103'S. A FORM DSA-103 IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA-103 IS TO BE CROSSED OUT ON THIS DRAWING.

TMP SERVICES

2929 KANSAS AVE.
RIVERSIDE, CA 92507
(951) 213-3900
FAX (951) 213-3997

PC 04-116740
ACCESSIBLE RAMPS/ LANDINGS/STAIRS

STATE OF CALIFORNIA– 2015 IBC/2016 CBC

NOTES:

LOADS:

1. RAMP LIVE LOAD = 100 PSF
2. NO SNOW LOADING
3. NO FLOOD LOADING
4. WIND:
   WIND SPEED = 120 MPH
   RISK CATEGORY = II
   EXPOSURE = C
   K_{ZT} = 1.0
   WIND DESIGN PER ASCE 7–10 CHAPTER 29
5. SEISMIC:
   RISK CATEGORY = II
   I_e = 1.25
   S_S = 3.73
   S_1 = 1.30
   SITE CLASS = D
   S_{DS} = 2.487
   C_S = 0.9332 (ASCE 7–10 EQUATION 15.4–5)
   R = 3.25 (ASCE 7–10 TABLE 15.4–1)
6. ALLOWABLE SOIL BEARING = 1000 PSF
7. THIS PC CANNOT BE USED IN WILDLAND URBAN INTERFACE (WUI) AREAS

CODES: (TITLE 24 CODES)

2016 CALIFORNIA ADMINISTRATIVE CODE (CAC)....(PART 1, TITLE 24, CCR)

2016 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR) (2015 EDITION INTERNATIONAL BUILDING CODE WITH 2016 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA FIRE CODE (CFC), (PART 9, TITLE 24, CCR) (2015 EDITION INTERNATIONAL FIRE CODE WITH 2013 CALIFORNIA AMENDMENTS)

2016 CALIFORNIA GREEN CODE (CFC), (PART 9, TITLE 24, CCR)

2016 CALIFORNIA REFERENCED CODE, (PART 12, TITLE 24, CCR)
NFPA 13 2016
NFPA 72 2016

2016 CODE SECTIONS FOR APPLICABLE STANDARDS
2016 CBC, CHAPTER 35
2016 CFC, CHAPTER 45

DATE SIGNED
APR 1? 2018

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613–0234
Fax(909) 613–0238

TABLE OF CONTENTS

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

PRE–CHECK DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT
APPLICATION FOR CONSTRUCTION
IS REQUIRED

FLS: t.burke
ACS: S. LYLE / FOR D. FELICIANO
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 116740
ACS Sn FLS tb SS
DATE MAY 1 6 2018

COVER SHEET

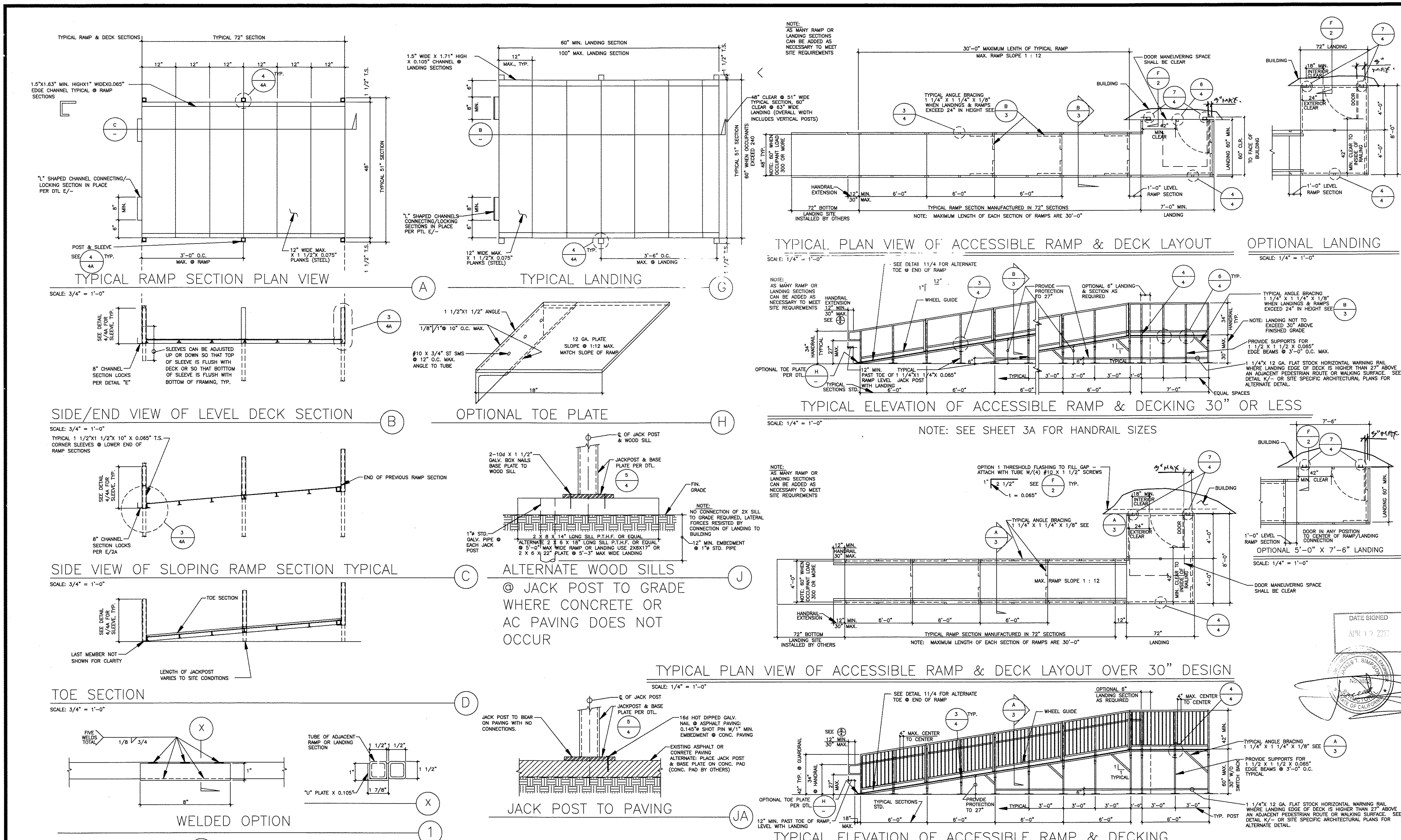
TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951) 213–3900
FAX: (951) 213–3997

SITE:
STATE OF CALIFORNIA
PC 04–116740–2016 CBC

DRAWN
CHECKED
DATE
12 APRIL 2018
SCALE
JOB NO.

1A
OF 8 SHEETS

TMP HCD 2013 – STEEL SHEET 1A.DWG



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4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

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IDENTIFICATION STAMP
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APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT
APPLICATION FOR CONSTRUCTION
IS REQUIRED

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ACS FLS SS
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ACCESSIBLE RAMP ELVATIONS & DETAILS

TMP SERVICES
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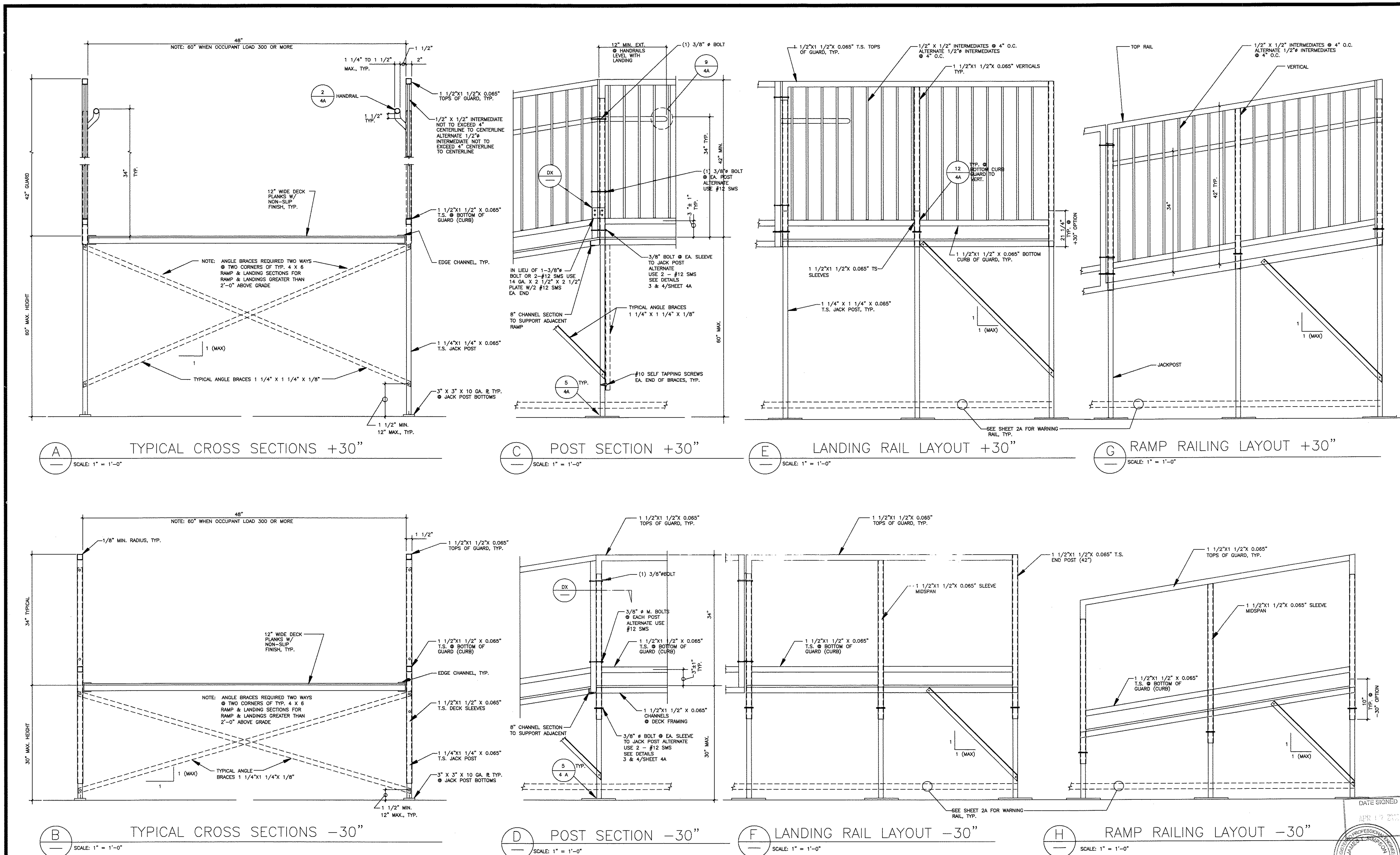
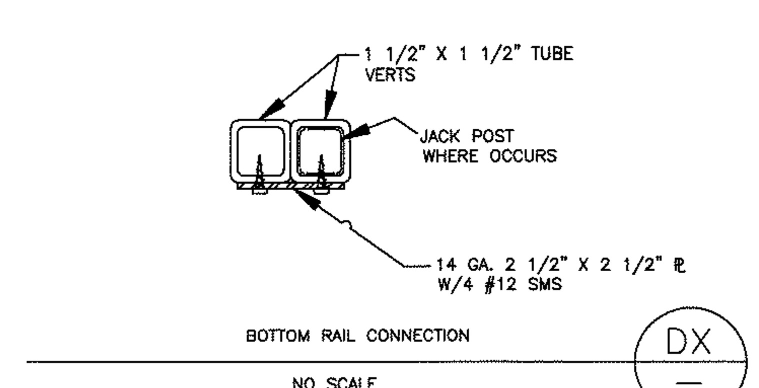
2A

OF 8 SHEETS





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ACCESSIBLE RAMP DETAILS & NOTES

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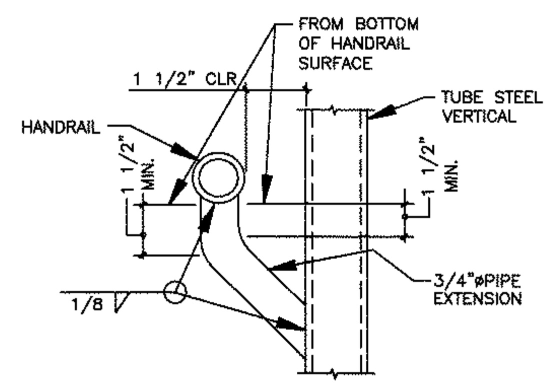
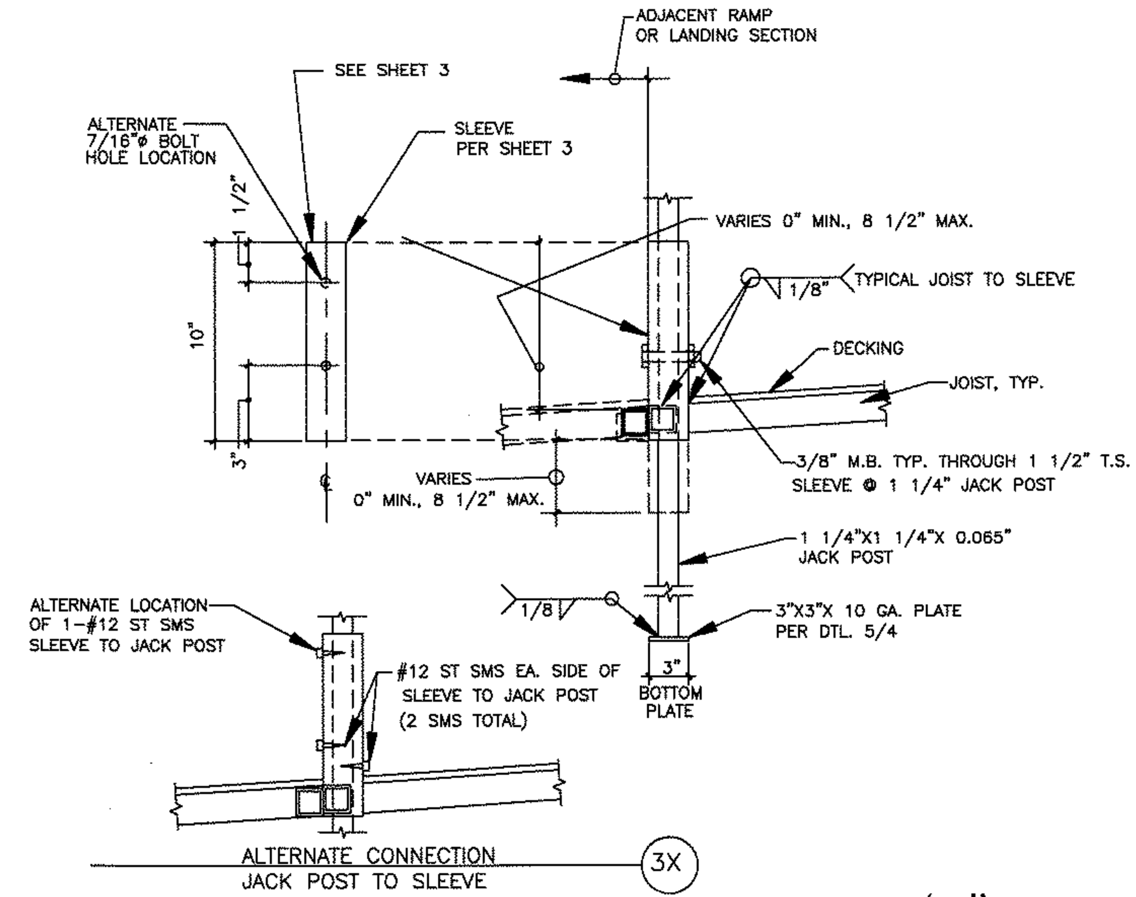
3A

OF 8 SHEETS

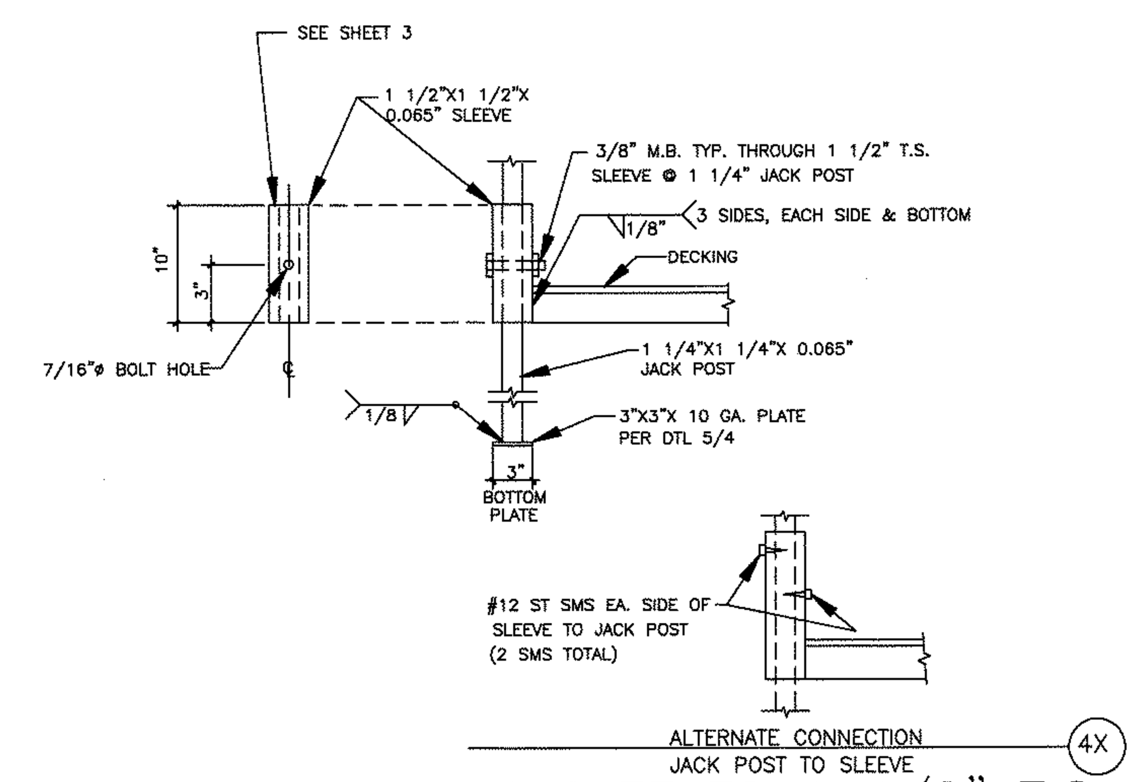
TMP HCD 2013 STEEL SHEET 3A.DWG



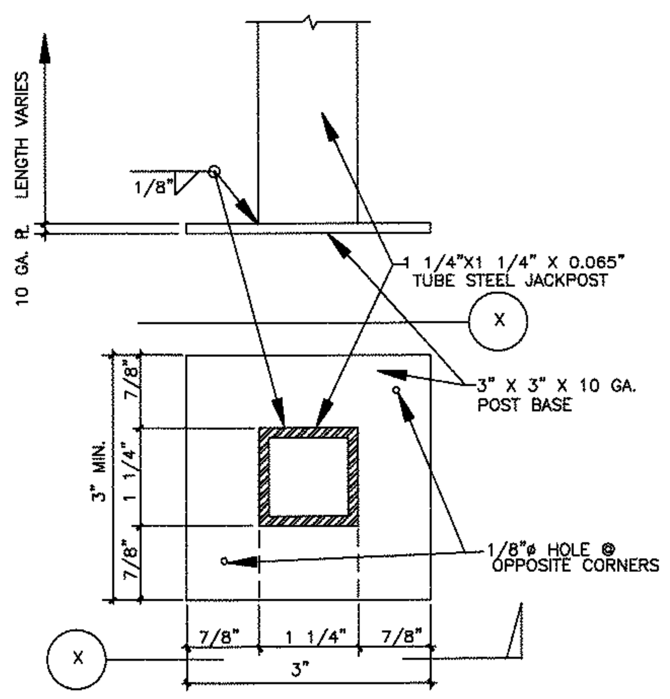
2 TYPICAL HANDRAIL ARMS



3/4 RAMP POST SLEEVES 1 1/2" T.S.

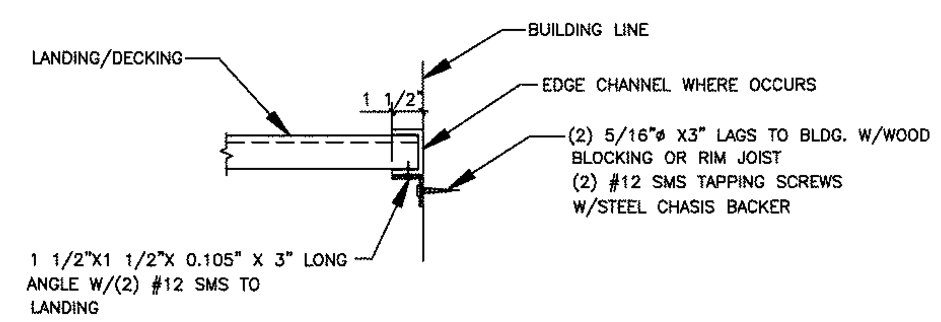


4/4 LANDING POST SLEEVES 1 1/2" T.S.



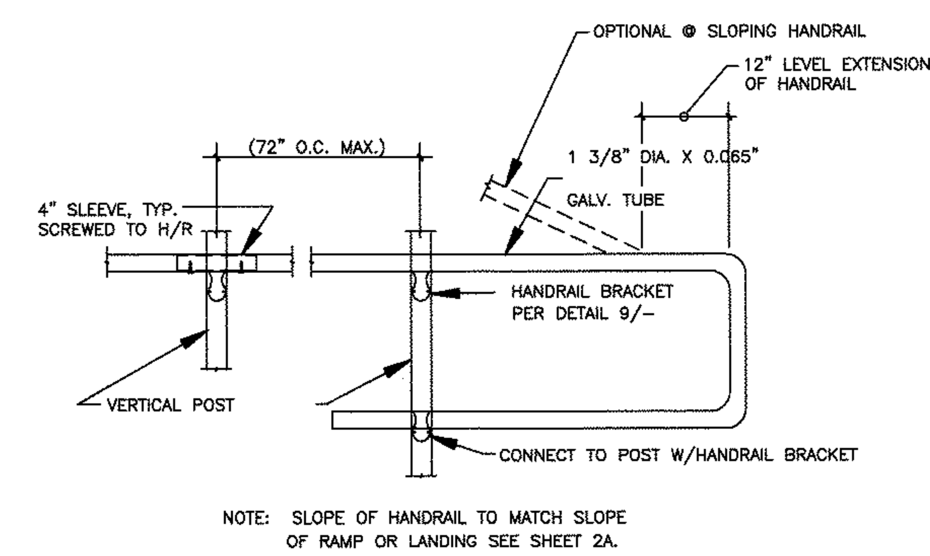
5 POST BASE

6 DETAIL NOT USED

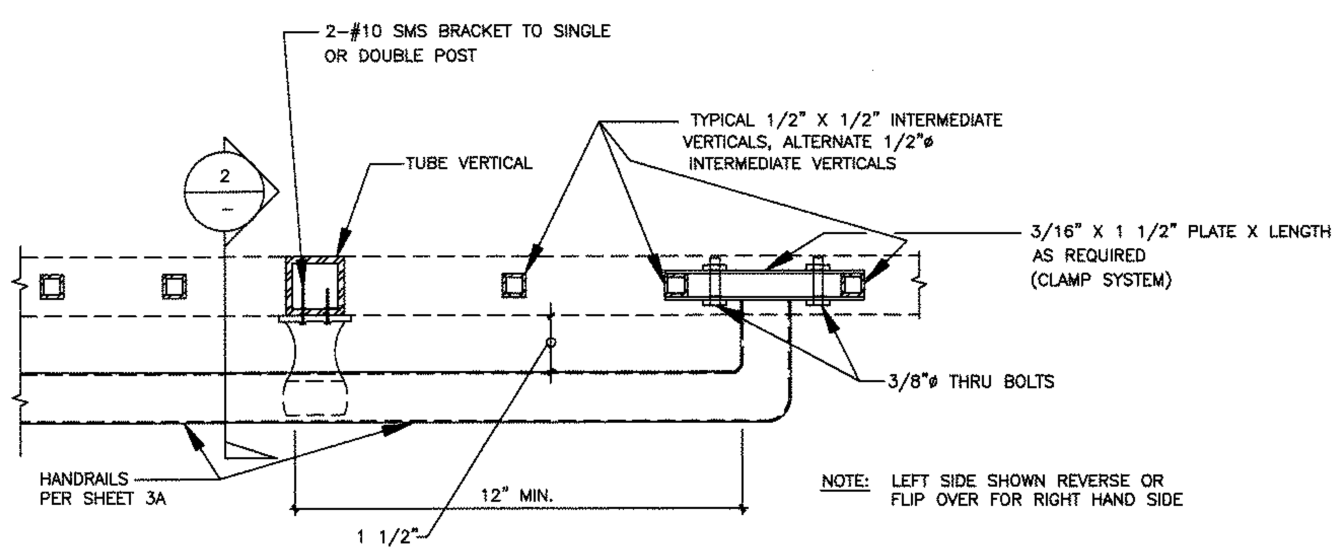


7 LANDING TO BUILDING

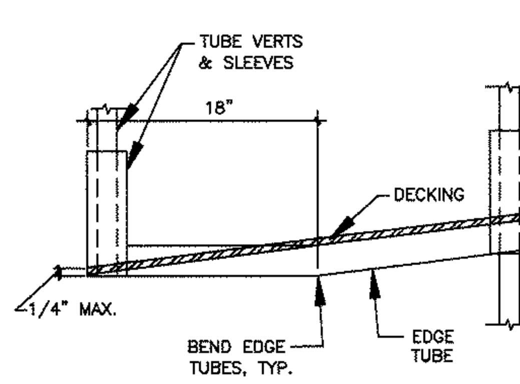
NOTE: DECK SECTIONS ARE FREE STANDING FOR VERTICAL LOADS.



8 OPTIONAL CONNECTION @ HANDRAIL DETAIL

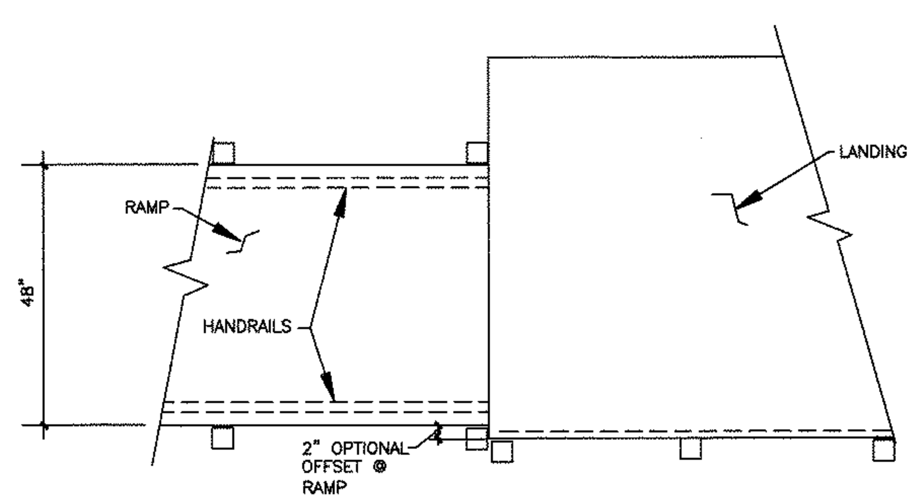


9 OPTIONAL HANDRAIL DETAIL @ TOP OF STAIRS OR RAMPS



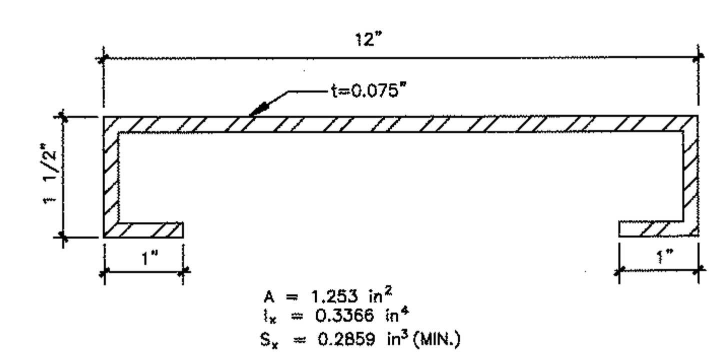
10 TOE @ END OF RAMP

NO SCALE



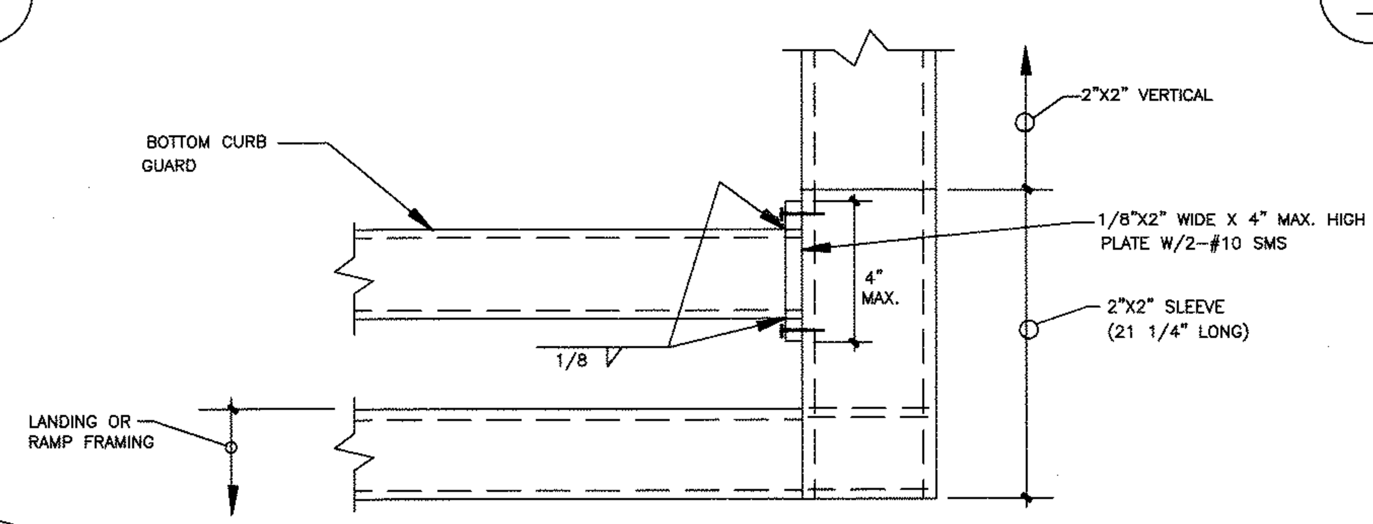
11

NO SCALE



12 STEEL PLANK

NO SCALE



12

NOTES:

CODES:
2016 CALIFORNIA BUILDING CODE (CBC)

DESIGN LOADS:
LIVE LOAD: 100 PSF
WIND LOAD: SEE SHEET 1A
SEISMIC: SEE SHEET 1A
HANDRAIL & GUARD RAIL LOADS:
50#/FT
200# POINT LOAD

MATERIAL SPECIFICATIONS:
STEEL: ALL PLANKS, ANGLE, CHANNELS, ETC. SHALL BE ASTM A1011SS GRADE 40 (Fy = 40 KS1, MIN.)
ALL TUBE STEEL ASTM A-1008 CS TYPE A OR B (Fy = 40KS1)
ALL STEEL TO BE COATED WITH A RUST INHIBITIVE COATING
BOLTS: ASTM A307 COMMON BOLTS HOT DIPPED GALVANIZED W/ STAINLESS STEEL WASHERS
PLYWOOD OPTION: APA RATED STRUCT I EXTERIOR PLYWOOD
WELDS: ALL WELDING SHALL CONFORM TO "AMERICAN WELDING SOCIETY D-1.3-2008 FOR SHEET STEEL.
ELECTRODES SHALL BE E70XX.

GENERAL NOTES:
1) RAMPS HAVING SLOPES STEEPER THAN 1 VERTICAL TO 20 HORIZONTAL SHALL HAVE LANDINGS AT TOP AND BOTTOM AND AT LEAST ONE INTERMEDIATE LANDING SHALL BE PROVIDED FOR EACH 30" OF RISE, PER CBC 11B-405.7.
2) LOCATION OF LANDINGS.
LANDINGS SHALL BE PROVIDED AT TOP AND BOTTOM OF EACH RAMP. INTERMEDIATE LANDINGS SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 30 INCHES OF VERTICAL RISE AND AT EACH CHANGE OF DIRECTION . LANDINGS ARE NOT CONSIDERED IN DETERMINING THE MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP.

NOTE: EXAMPLES OF RAMP DIMENSIONS ARE:

SLOPE	MAX. RISE (INCHES)	MAX. HORIZONTAL PROJECTION
1:12	30	30'-0"
1:16	30	40'-0"
1:20	30	50'-0"
1:15	30	37'-6"

2. SIZE OF TOP LANDINGS. TOP LANDINGS SHALL NOT BE LESS THAN 60 INCHES WIDE AND SHALL HAVE A LENGTH OF NOT LESS THAN 60 INCHES IN THE DIRECTION OF RAMP RUN, PER CBC 11B-405.7.2 AND .3.

3) DOORS IN ANY POSITION SHALL NOT REDUCE THE MINIMUM DIMENSION OF THE LANDING TO LESS THAN 42" AND SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 3" WHEN FULLY OPENED, CBC 11B-405.7.5.
4) RAMPS SHALL BE CONSTRUCTED AS REQUIRED FOR STAIRWAYS.
5) THE SURFACE OF RAMPS SHALL BE ROUGHED OR SHALL BE OF SLIP-RESISTANT MATERIAL, TYP. FOR LANDINGS & STAIRS.
6) RAMPS REQUIREMENTS SHALL BE PER CBC 11B-405.

7) RAMPS AND STAIRWAYS USED AS EXIT SHALL CONFORM TO CBC SEC. 1009 SEC. 1010, CHAPTER 11B AND 11B-405.5.
8) HANDRAILS AND GUARDRAILS SHALL CONFORM TO CBC 11B-405.8 (RAMP), AND 11B-504 (STAIRS).

9) RAMPS SHALL CONFORM TO CBC 11B-405.

10) STRIKE EDGE EXTENSION THE WIDTH OF THE LANDING SHALL EXTEND 24" PAST THE STRIKE EDGE OF ANY DOOR OR GATE FOR EXTERIOR RAMPS AND 18" PAST THE STRIKE EDGE FOR INTERIOR RAMPS.

11) LANDING WIDTH. AT BOTTOM AND INTERMEDIATE LANDINGS, THE WIDTH SHALL BE AT LEAST THE SAME AS REQUIRED FOR RAMPS, CBC 11B-405.7.4.

12) THE WIDTH OF RAMPS SHALL BE AS REQUIRED PER STAIRWAYS AND EXITS, CBC 11B-405.5.

13) SLOPE RAMPS AND LANDINGS AS REQUIRED TO PREVENT ACCUMULATION OF WATER ON WALKING SURFACES.

14) ALL WORK SHALL CONFORM TO TITLE 24 CALIFORNIA CODE OF REGULATIONS TITLE 24, CCR.

15) SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING WORK:
SHOP WELDING INSPECTION
MATERIAL VERIFICATION
DSA SPECIAL INSPECTOR: CLASS 4
(ON SITE)

DATE SIGNED
APR 1 7 2018

JAMES T. SIMPSON

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
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DETAILS AND NOTES

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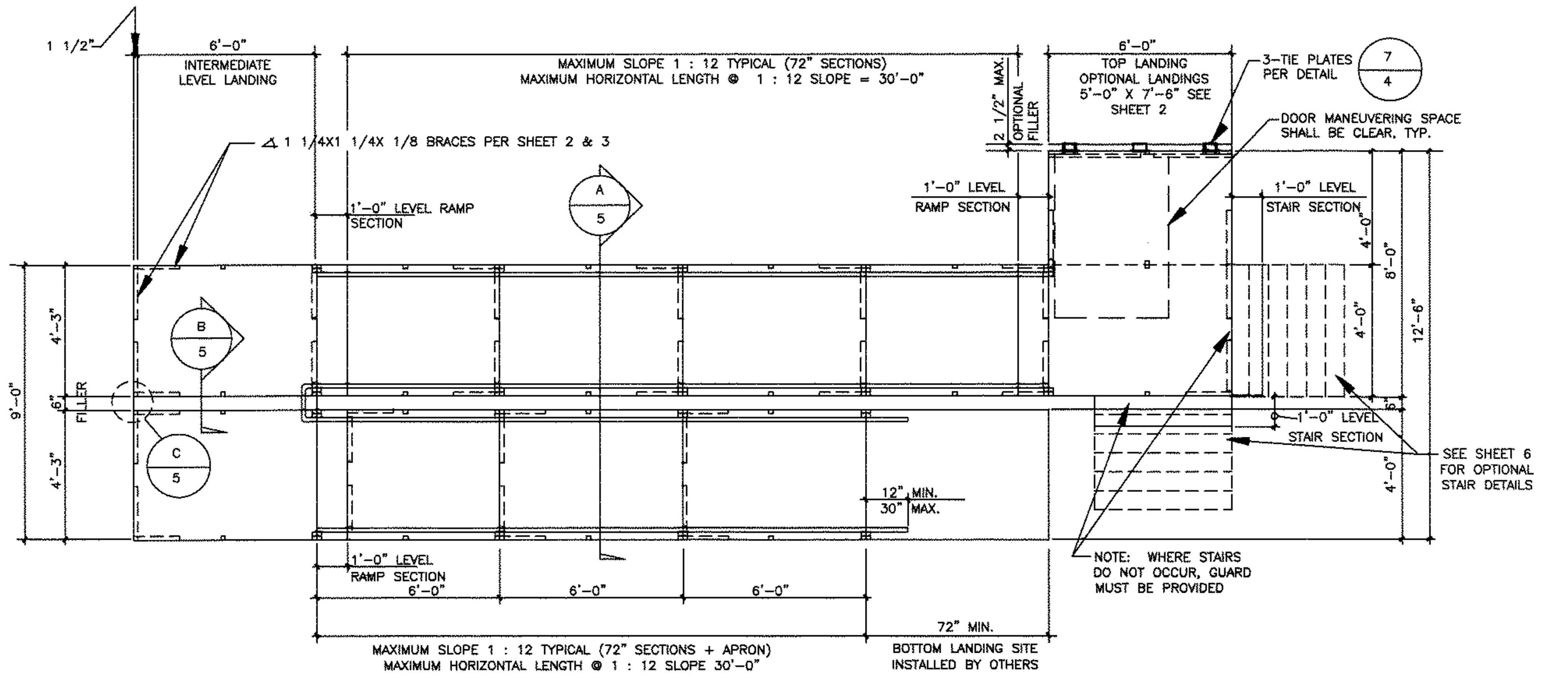
4A

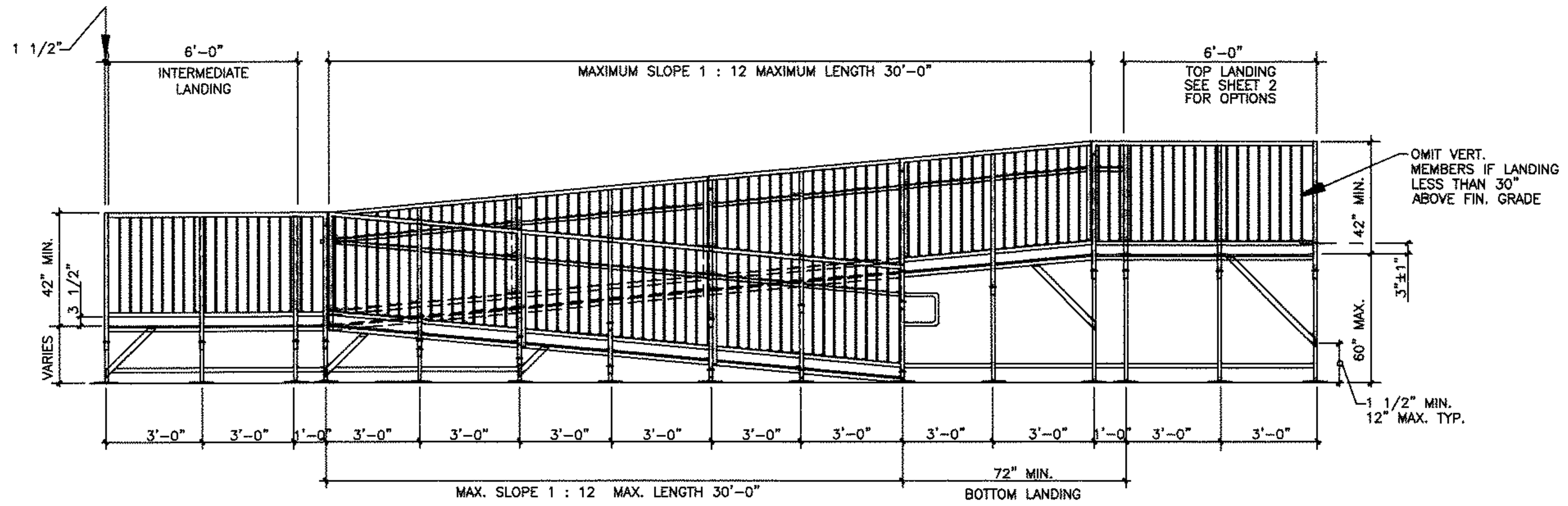
OF 8 SHEETS

TMP HCD 2013 STEEL SHEET 4A.DWG



TYPICAL PLAN VIEW OF ACCESSIBLE RAMP WITH SWITCH-BACK & PLATFORMS

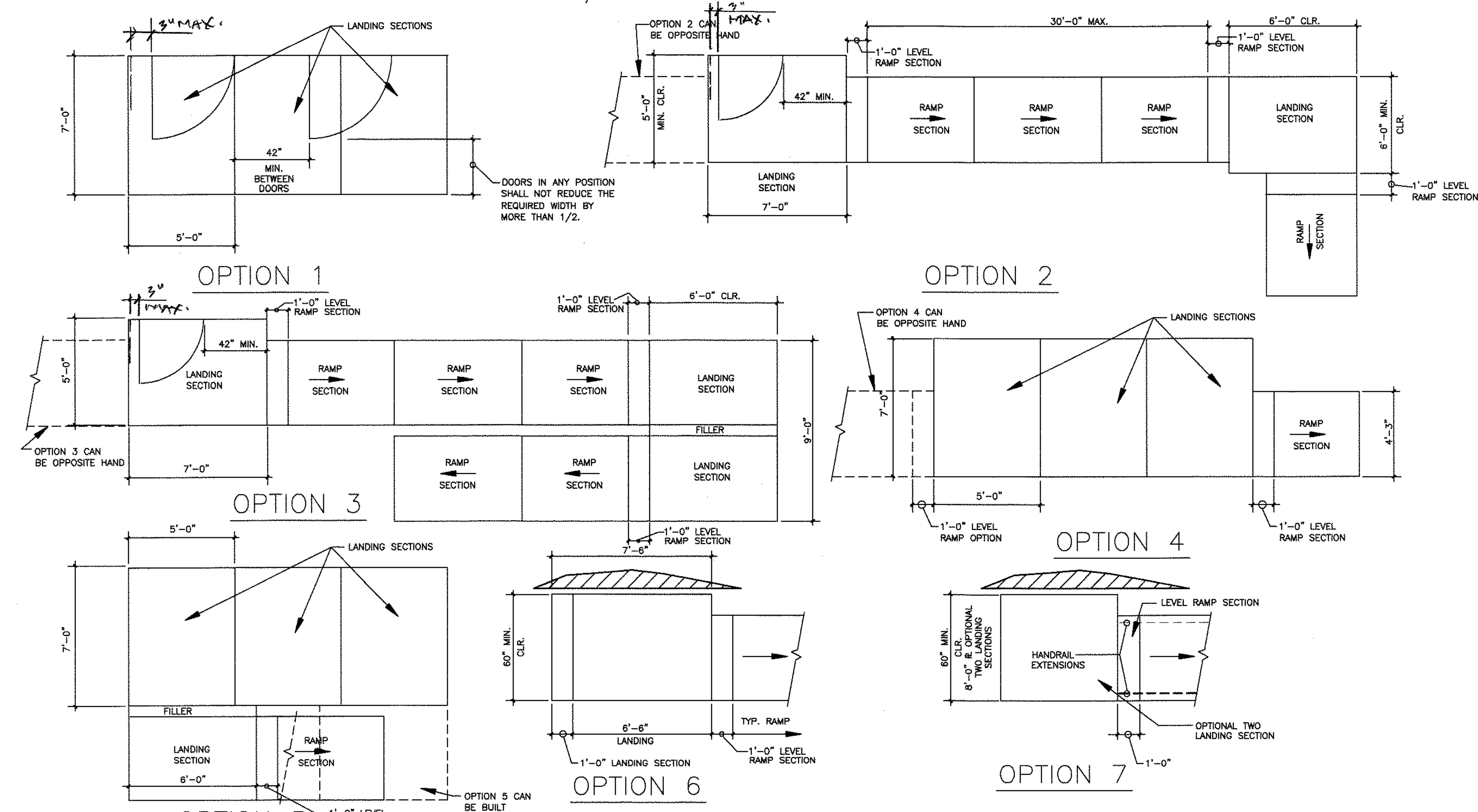
SCALE: 1/4" = 1'-0"



TYPICAL ELEVATION OF ACCESSIBLE RAMP W/SWITCH-BACK RAMP

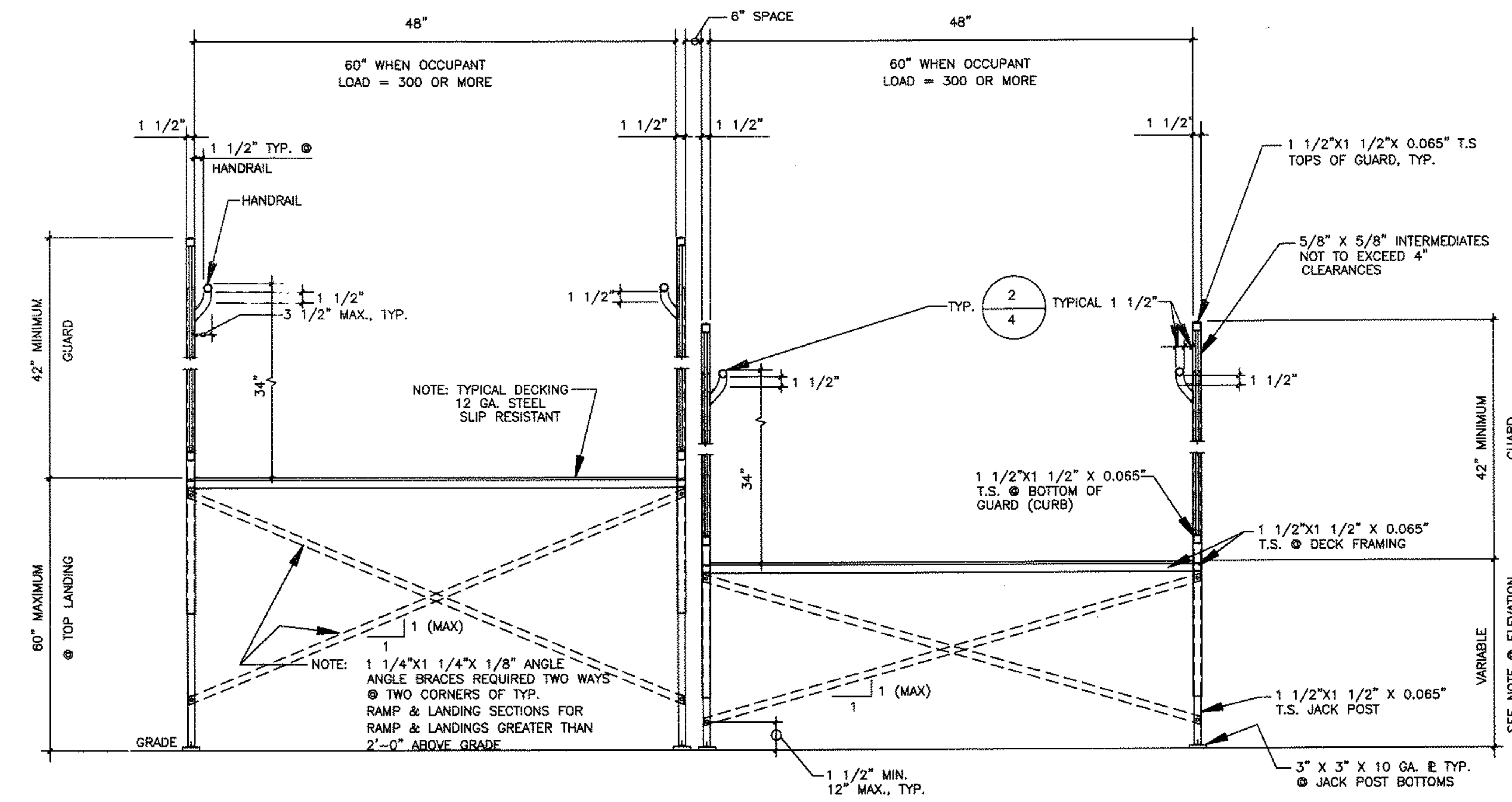
SCALE: 1/4" = 1'-0"

NOTE: SEE SHEET 3A FOR HANDRAIL/GUARDRAIL SIZES



MULTIPLE LANDINGS AND RAMPS

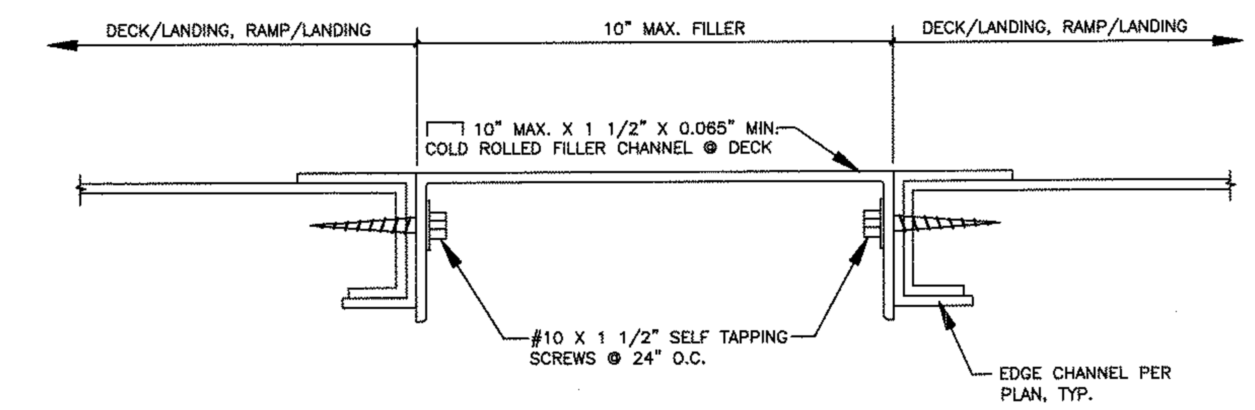
NOTE: SEE SHEET 2 FOR LANDING AND RAMP DETAILS, SEE SHEET 6 FOR TYPICAL STAIRS



A

TYPICAL CROSS SECTIONS

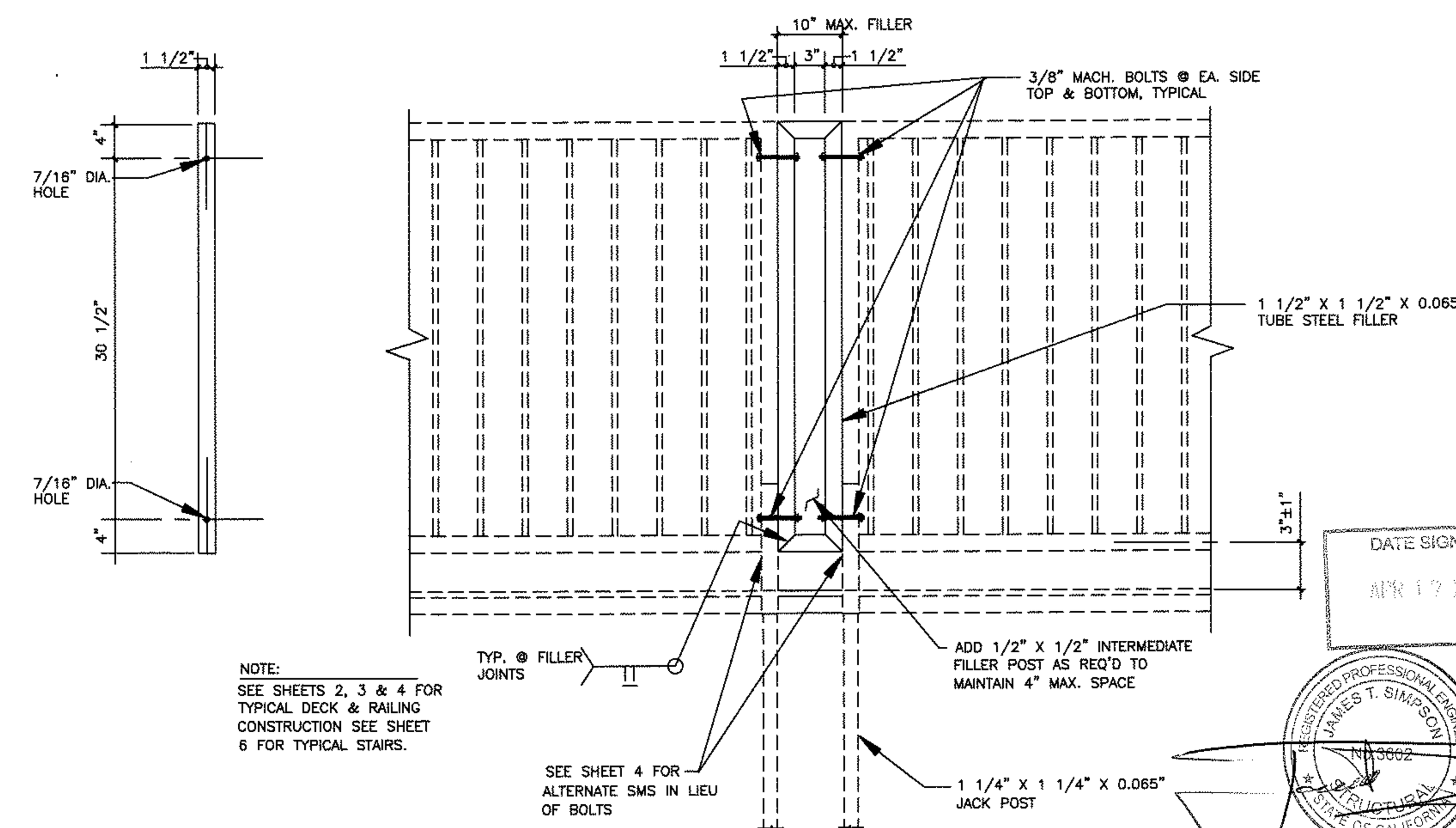
SCALE: 1/4" = 1'-0"



B

TYPICAL DECK CROSS SECTION

SCALE: 1/2" = 1'-0"



C

TYPICAL GUARDRAIL FILLER

SCALE: 3/4" = 1'-0"

DATE SIGNED APR 17 2018

EXL STRUCTURAL ENGINEERS, INC.
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ACCESSIBLE RAMP SWITCHBACK DETAILS

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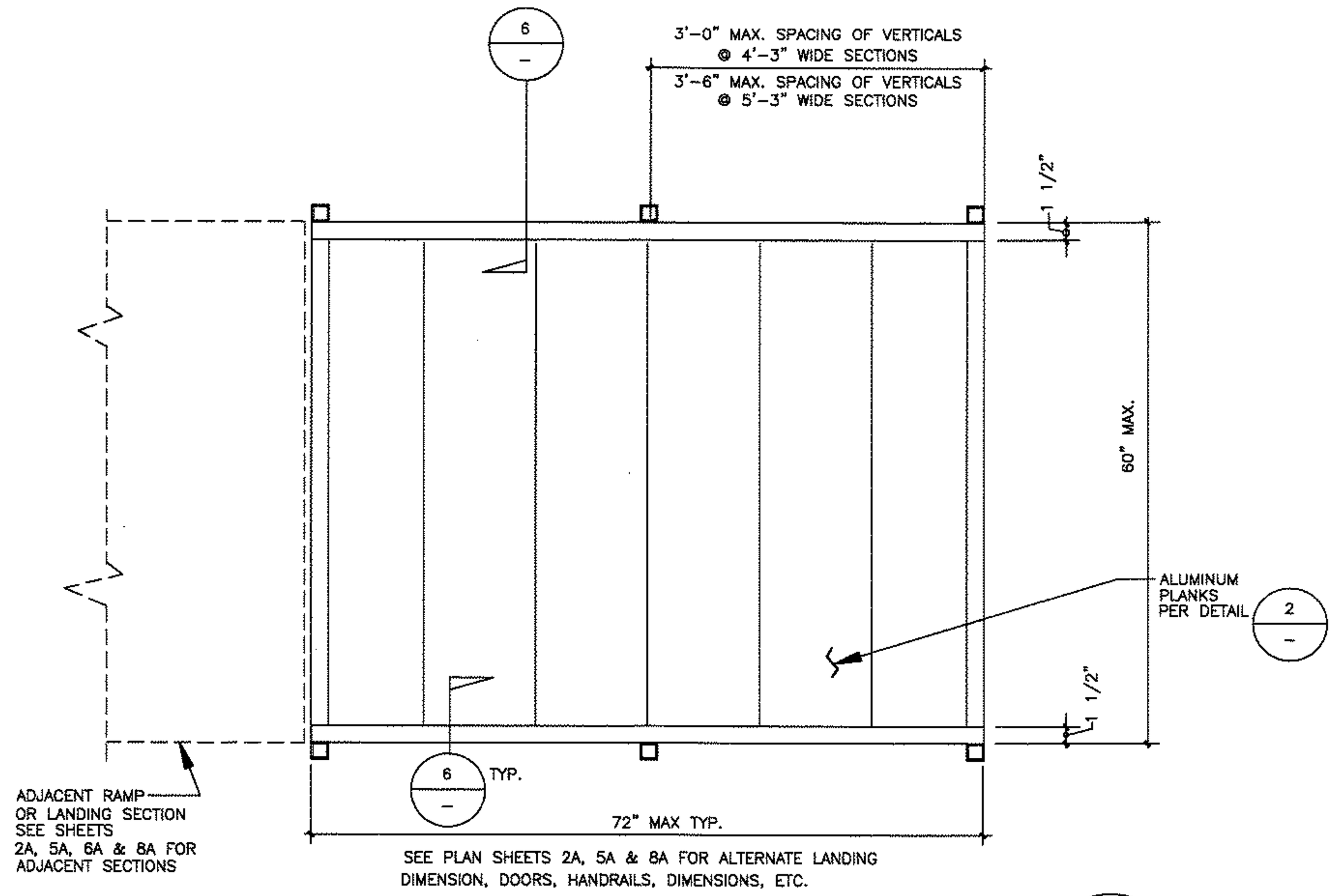
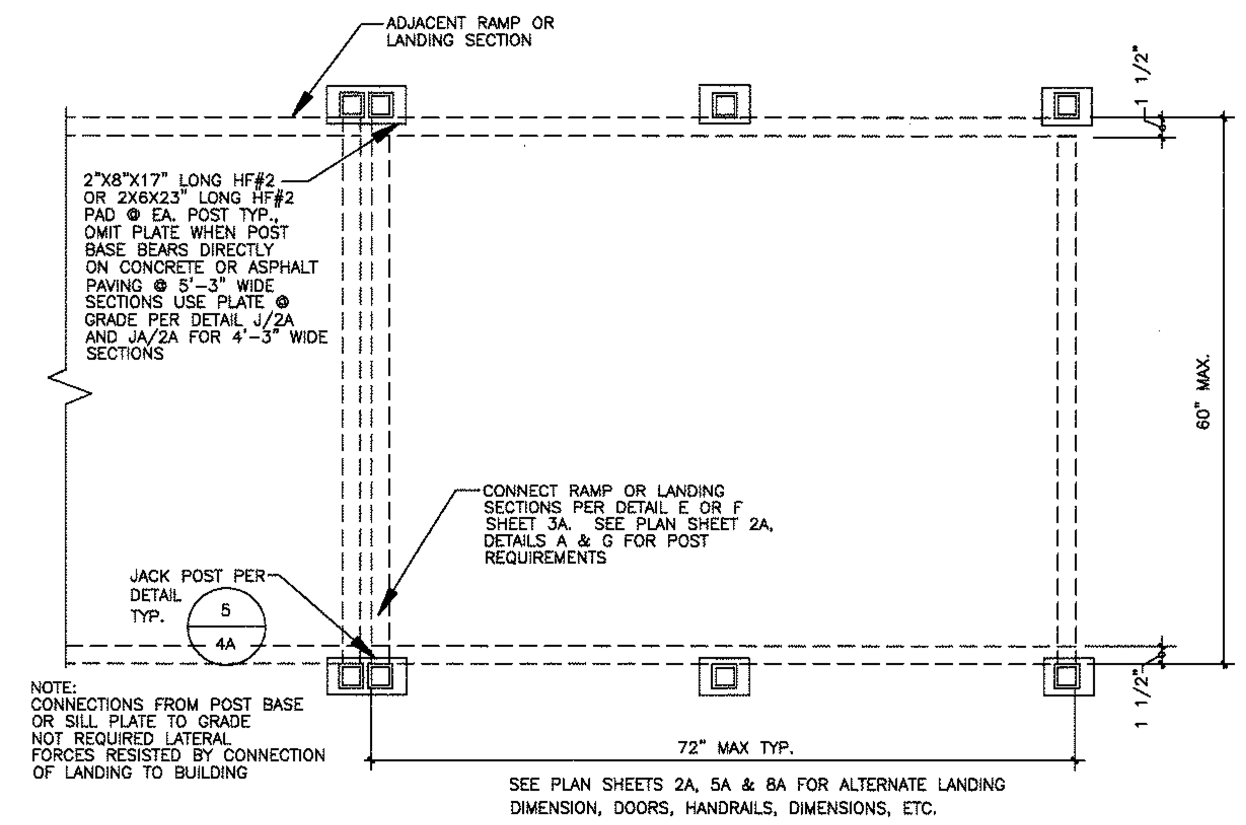
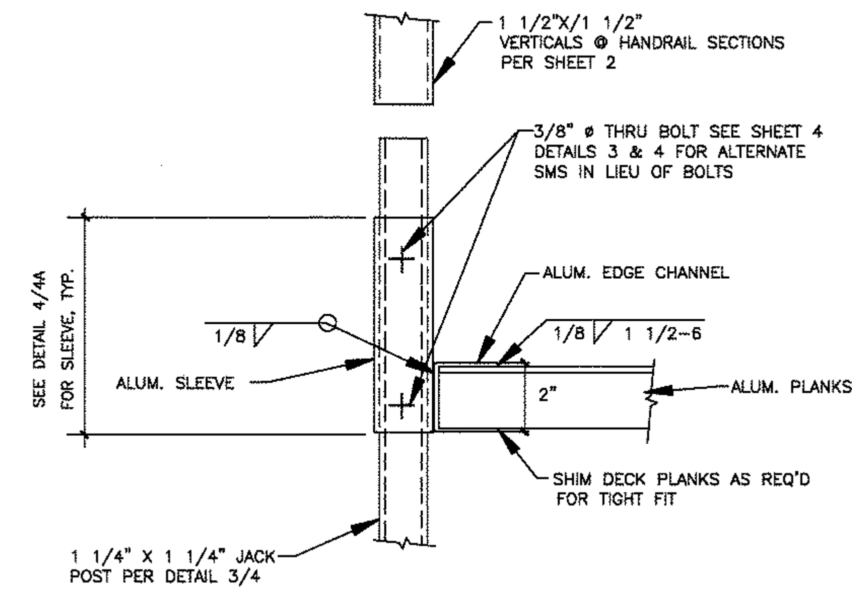
TMP HCD 2013 STEEL SHEET 5A.DWG



LANDING OR RAMP SECTION 1B

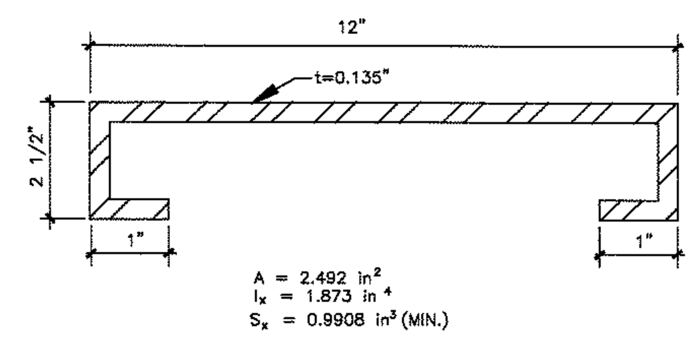


FOOTINGS @ LANDING OR RAMP SECTION 1A

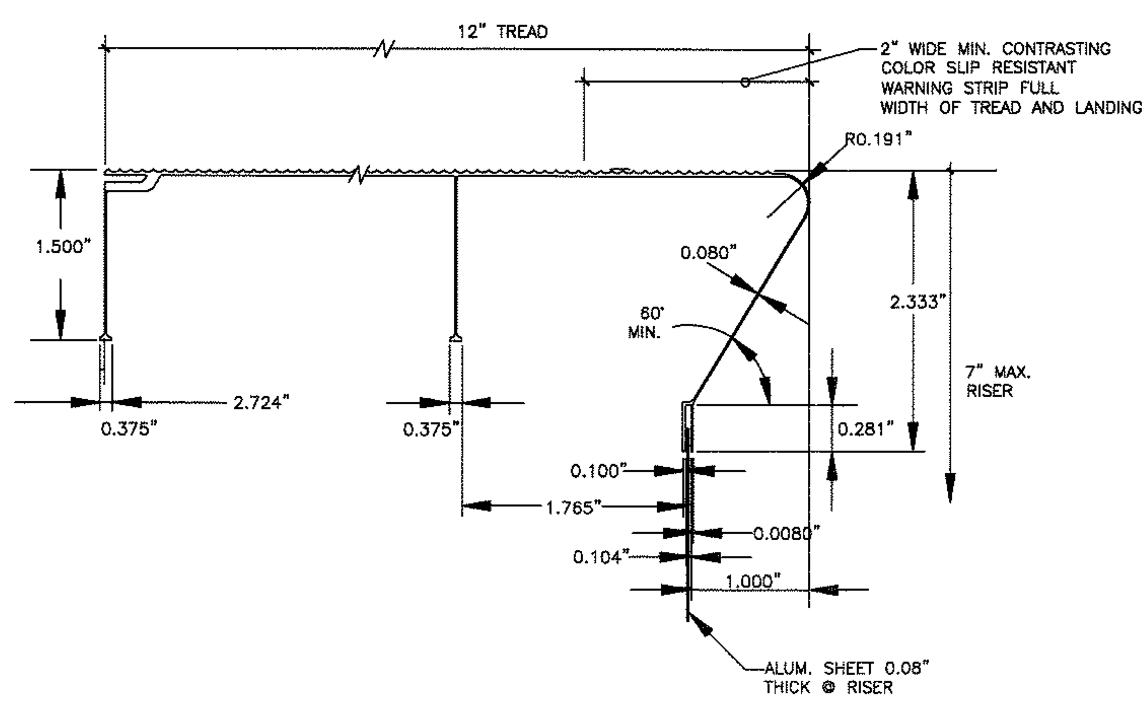


ALUM. SLEEVE DETAIL 3

SCALE: 3" = 1'-0"

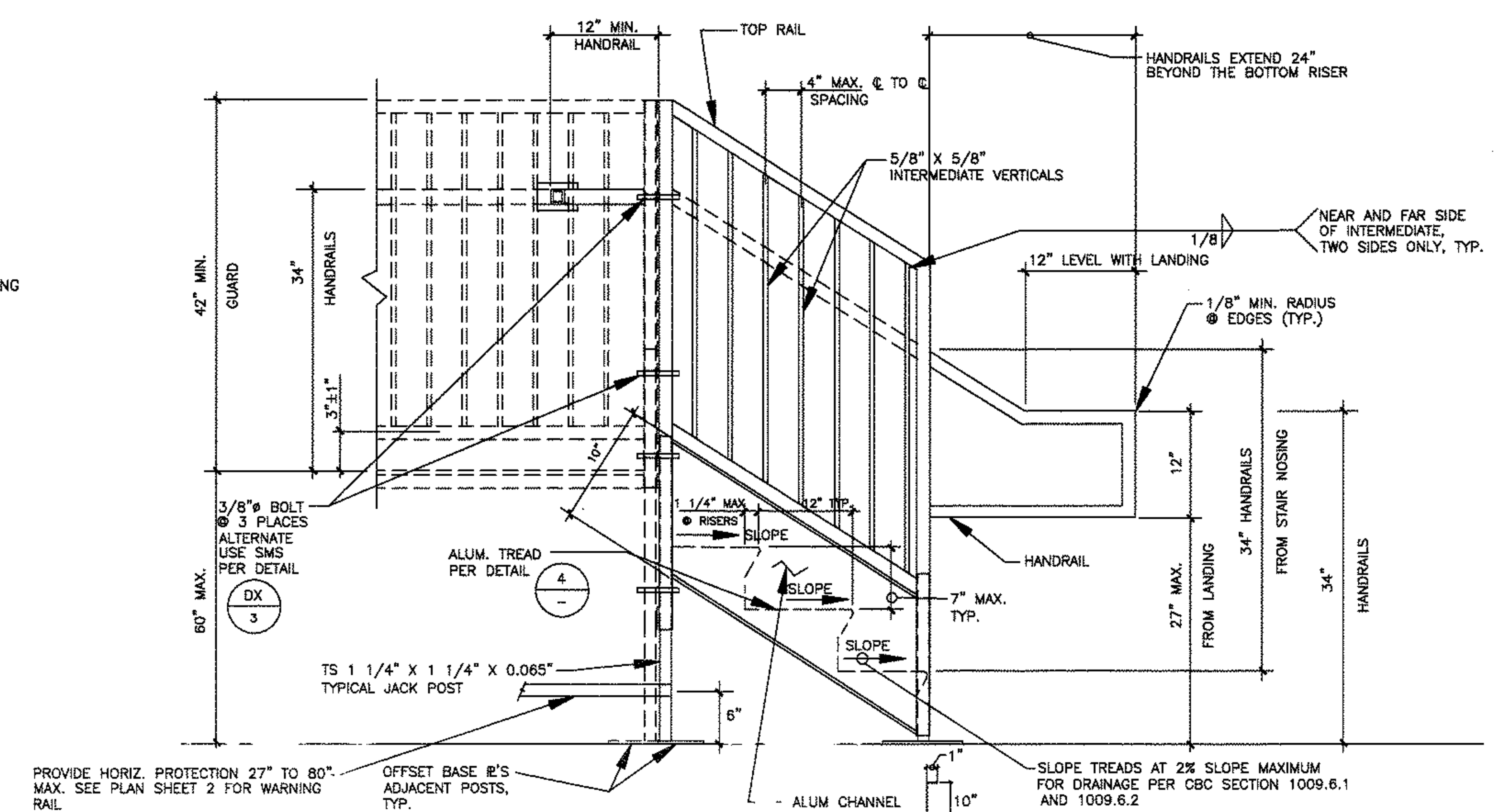


ALUM. PLANKING 2



ALUM. STAIR TREAD 4

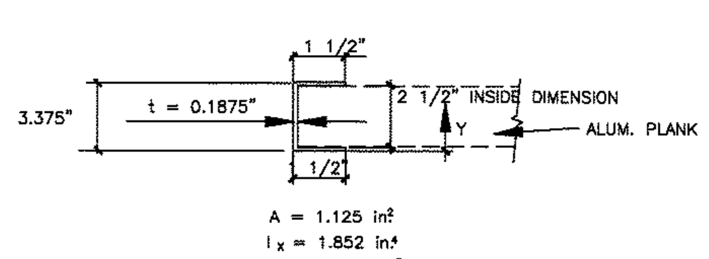
SCALE: 3/4" = 1"



STAIRS 5

SCALE: 3/4" = 1'-0"

NOTE: PICKETS & 42" HIGH GUARD REQUIRED FOR THRESHOLD HEIGHTS GREATER THAN 30" ABOVE FINISH GRADE.
FOR THRESHOLD HEIGHTS LESS THAN 30" ABOVE FINISH GRADE, PICKETS CAN BE OMITTED & HANDRAIL WILL ACT AS GUARD.



ALUM EDGE CHANNEL @ RAMP 6

SCALE: 3" = 1-0"

NOTES:

MATERIAL SPECIFICATIONS:
ALUMINUM:

1 1/4X 1 1/4X 1/8 ANGLE	6063 T5
2"X1 1/2"X1/8" CHANNEL	6063 T5
DECK PLANKS	6063 T5
STAIR PLANKS	6063 T5

BOLTS: ALUMINUM 6061-T6, 2024-T4 OR 7075-T73, ALTERNATE USE TYPE 304 STAINLESS STEEL BOLTS WITH STAINLESS STEEL WASHERS.

WELDS: ALL WELDING SHALL CONFORM TO "AMERICAN WELDING SOCIETY D1.2-2008 FOR ALUMINUM", ELECTRODES SHALL BE 5356 OR 5554 FOR 6063-T5 ALUMINUM & SHALL BE 5556 FOR 6061-T6 ALUMINUM.

SEE SHEET 4A FOR GENERAL NOTES

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ACCESSIBLE RAMP
OPTIONAL ALUMINUM DECK

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REGISTERED PROFESSIONAL ENGINEER
JAMES T. SIMPSON
No. 3602
STRUCTURAL
STATE OF CALIFORNIA

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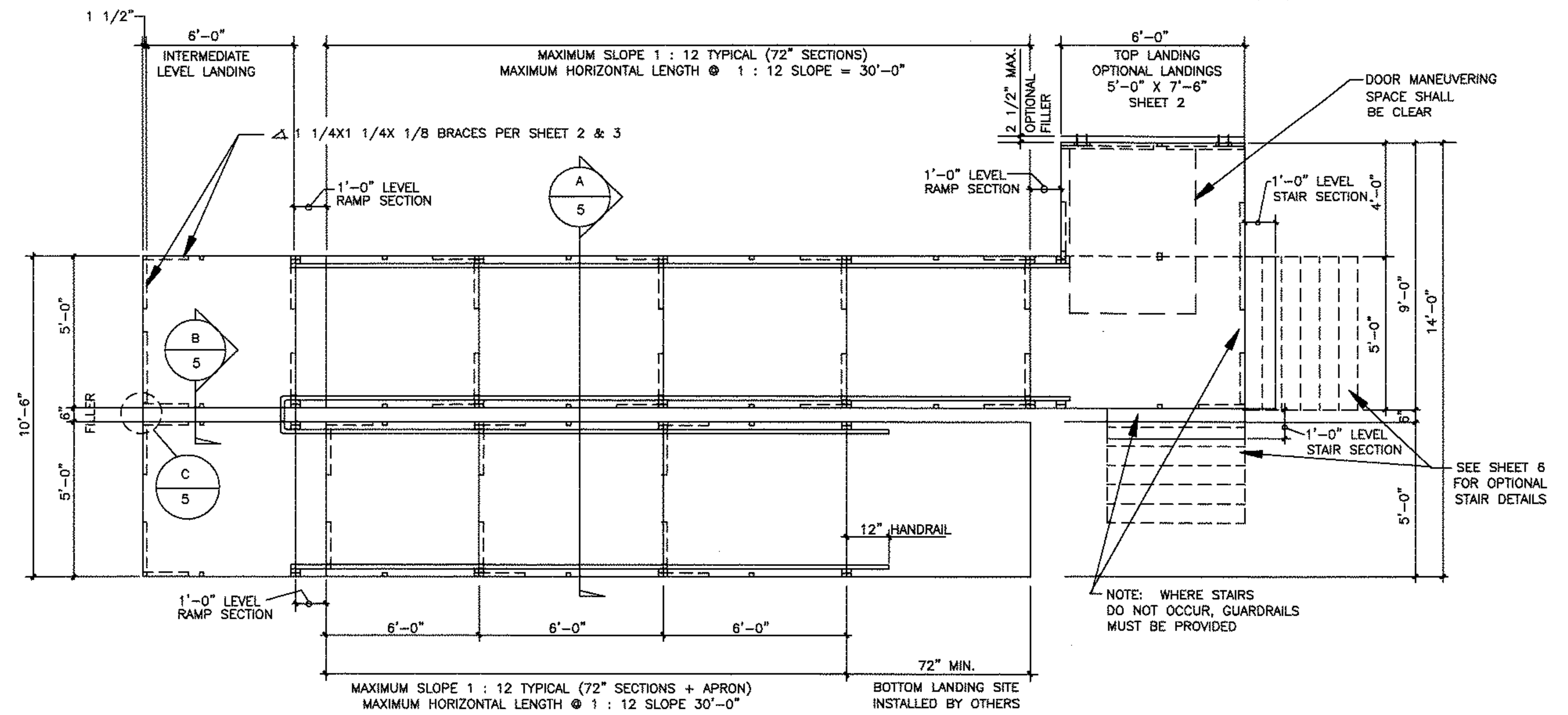
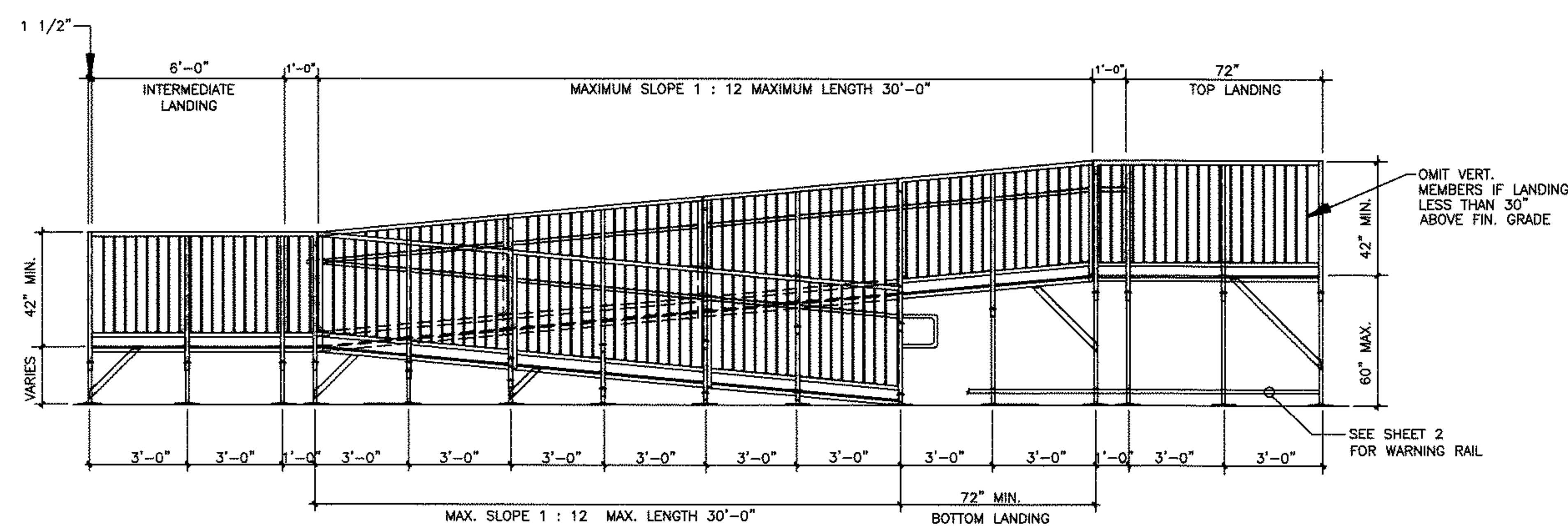
TMP HCD 2013 STEEL SHEET 7A.DWG



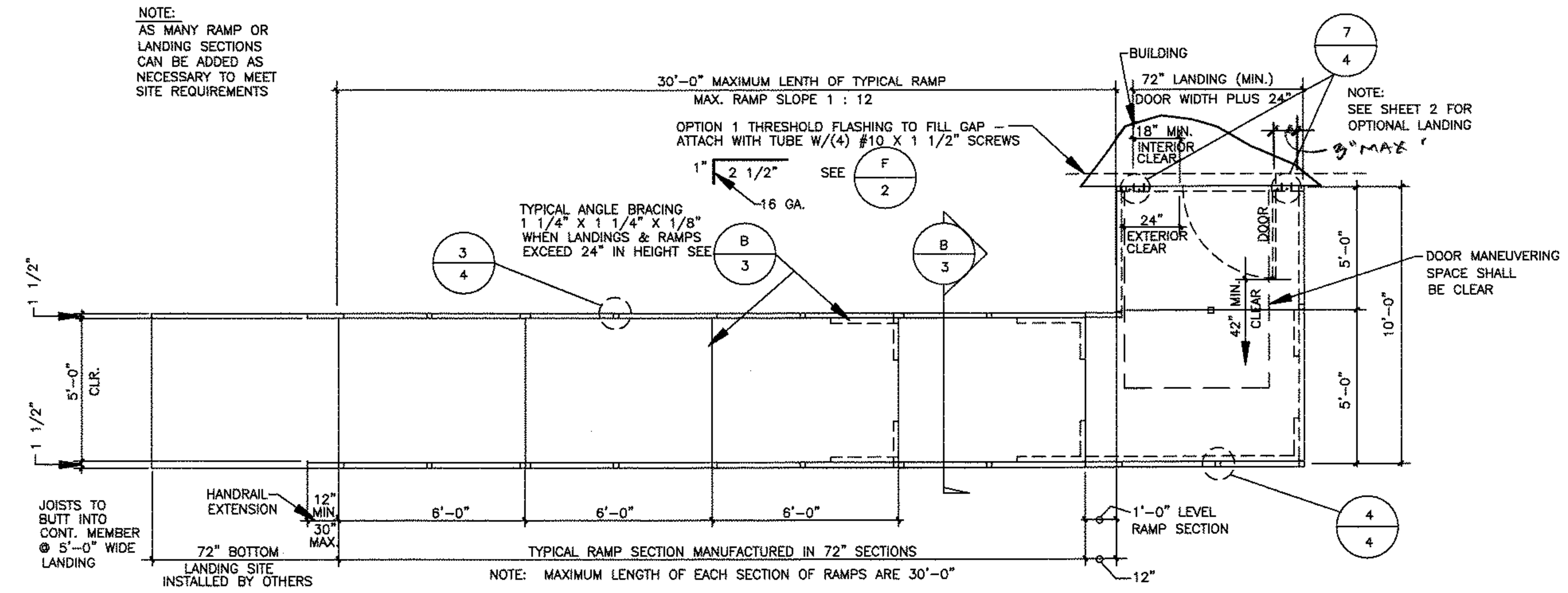
TYPICAL PLAN VIEW OF ACCESSIBLE RAMP WITH SWITCH-BACK & PLATFORMS

SCALE: 1/4" = 1'-0"



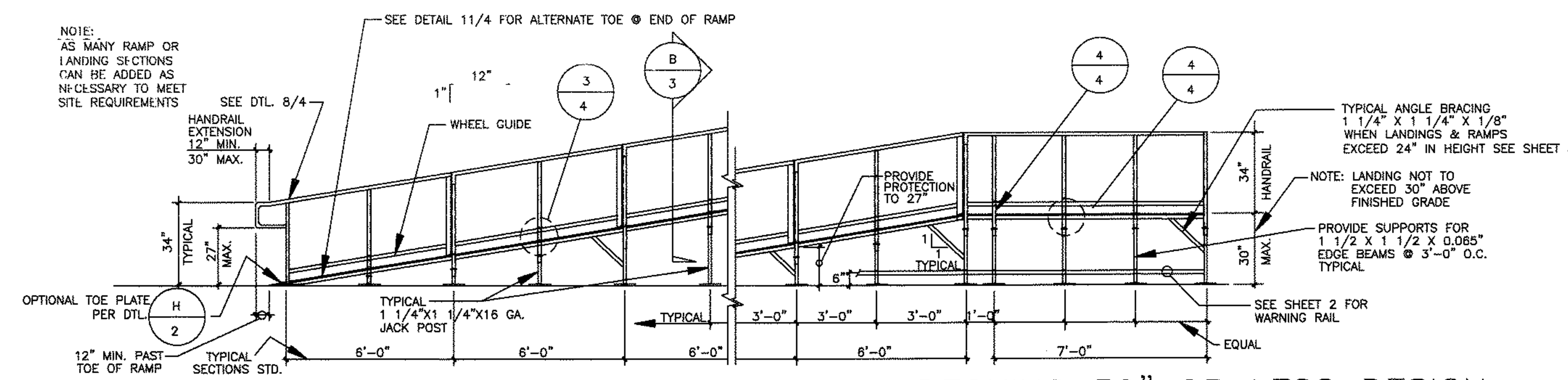
TYPICAL ELEVATION OF ACCESSIBLE RAMP W/SWITCH-BACK RAMP W/ 5'-0" WIDE RAMPS

SCALE: 1/4" = 1'-0"



TYPICAL PLAN VIEW OF ACCESSIBLE RAMP & DECK LAYOUT

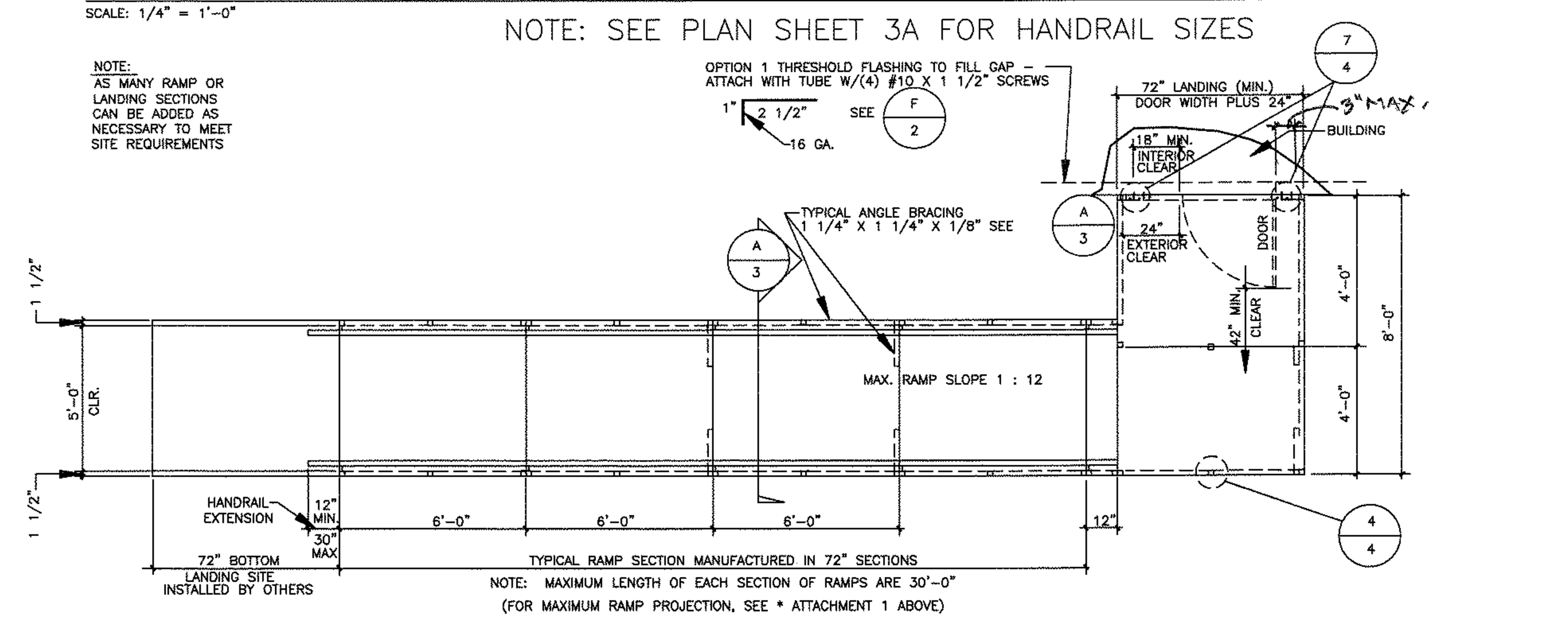
SCALE: 1/4" = 1'-0"



TYPICAL ELEVATION OF ACCESSIBLE RAMP & DECKING 30" OR LESS DESIGN

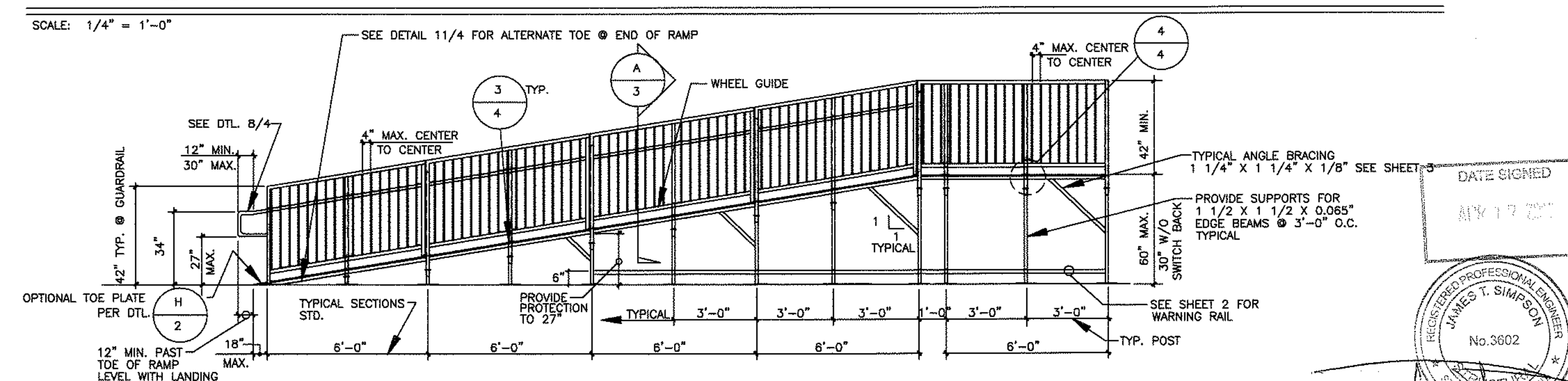
SCALE: 1/4" = 1'-0"

NOTE: SEE PLAN SHEET 3A FOR HANDRAIL SIZES



TYPICAL PLAN VIEW OF ACCESSIBLE RAMP & DECK LAYOUT OVER 30" DESIGN

SCALE: 1/4" = 1'-0"



TYPICAL ELEVATION OF ACCESSIBLE RAMP & DECKING

SCALE: 1/4" = 1'-0"

NOTE: SEE PLAN SHEET 3A FOR HANDRAIL/GUARDRAIL SIZES

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JAMES T. SIMPSON No.3602 STRUCTURAL CALIFORNIA

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ACS FLS SS
DATE MAY 16 2018

ACCESSIBLE RAMP ELVATIONS & PLAN VIEWS

TMP SERVICES
2929 KANSAS AVE.
RIVERSIDE, CA 92507
PHONE: (951)213-3900
FAX: (951)213-3997

SITE:

STATE OF CALIFORNIA
PC 04-116740-2016 CBC

DRAWN

CHECKED

DATE
12 APRIL 2018

SCALE

JOB NO.

8A

OF 8 SHEETS

TMP DSA RAMP & LANDING STEEL SHEET 8A.DWG

LIST OF CALIFORNIA CODE OF REGULATIONS

TITLE 24 CODES:

ALL WORK SHALL COMPLY AND CONFORM TO THE REQUIREMENTS OF THE 2016 CBC AND ORDINANCES OF ALL LOCAL CODES AND AUTHORITIES

2016 California Administrative Code (CAC)................................ (Part 1, Title 24, CCR)

2016 California Building Code (CBC), Volumes 1 and 2 .... (Part 2, Title 24, CCR)

(2015 International Building Code with 2016 California amendments)

2016 California Electrical Code .... (Part 3, Title 24, CCR)

(2014 National Electrical Code with 2016 California amendments)

2016 California Mechanical Code (CMC).......................................(Part 4, Title 24, CCR)

(2015 Uniform Mechanical Code with 2016 California amendments)

2016 California Plumbing Code (CPC) ....(Part 5, Title 24, CCR)

(2015 Uniform Plumbing Code with 2016 California amendments)

2016 California Energy Code .... (Part 6, Title 24, CCR)

2016 California Fire Code (CFC) .... (Part 9, Title 24, CCR)

(2015 International Fire Code with 2016 California Amendments)

2016 California Green Building Standards Code......................... (Part 11, Title 24, CCR)

2016 California Referenced Standards Code ....(Part 12, Title 24, CCR)

NFPA 13 - 2016

NFPA 72 - 2016

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:

2016 CBC, Chapter 35

2016 CFC, Chapter 80

SHEET INDEX

OPTIONS	SHEET TITLE	SHEET NUMBER
COVER SHEET	GENERAL NOTES; APPLICABLE CODES; BUILDING DESIGN DATA; WIND DESIGN DATA, EARTHQUAKE DESIGN DATA	T-1
ALL	DSA 103 (sample) / A-NUMBER TABLE	T-2
BUILDING SIZE		
~~24X40~~	~~MODIFICATION PLAN / DETAILS FOR~~ 24X40 BLDG	S-1
36X40	MODIFICATION PLAN / DETAILS FOR 36X40 BLDG	S-2
48X40	MODIFICATION PLAN / DETAILS FOR 48X40 BLDG	S-3
~~24X40~~	~~MODIFICATION PLAN (ARCHITECTURAL)~~ FOR 24X40 BLDG	A-1
36X40	MODIFICATION PLAN (ARCHITECTURAL) FOR 36X40 BLDG	A-2
48X40	MODIFICATION PLAN (ARCHITECTURA) FOR 48X40 BLDG	A-3
ALL	NOTES / DETAILS	A-4
ALL	DOOR, WINDOW & FINISH SCHEDULES	A-5
ALL	ROOF PLAN / DSA FORM 103 (SAMPLE)	A-6
~~24X40~~	~~EXTERIOR ELEVATIONS 24X40 BLDG.~~	~~A-7~~
36X40	EXTERIOR ELEVATIONS 36X40 BLDG.	A-8
48X40	EXTERIOR ELEVATIONS 48X40 BLDG.	A-9
ALL	GENERAL NOTES AND SPECIFICATIONS	A-10
~~24X40~~	~~ELECTRICAL PLAN FOR 24X40 BLDG.~~	~~E-1~~
36X40	ELECTRICAL PLAN FOR 36X40 BLDG.	E-2
48X40	ELECTRICAL PLAN FOR 48X40 BLDG.	E-3
~~24X40~~	~~MECHANICAL PLAN FOR 24X40 BLDG.~~	~~M-1~~
36X40	MECHANICAL PLAN FOR 36X40 BLDG.	M-2
48X40	MECHANICAL PLAN FOR 48X40 BLDG.	M-3
~~24X40~~	~~PLUMBING PLAN FOR 24X40 BLDG.~~	~~P-1~~
~~36X40~~	~~PLUMBING PLAN FOR 36X40 BLDG.~~	~~P-2~~
~~48X40~~	~~PLUMBING PLAN FOR 48X40 BLDG.~~	~~P-3~~
~~All~~	~~PLUMBING DETAILS~~	~~P-4~~

DESIGN DATA			
NUMBER OF STORIES:	1-STORY		
OCCUPANCY:	□ E-1	□ E-2	□ E-3
TYPE OF CONSTRUCTION:	VB		
FLOOR LIVE LOAD:	□ 50 PSF	□ 50 PSF + 20 PSF PARTITION LOAD	
ROOF LIVE LOAD:	□ 20 PSF (PROJECT IS NOT LOCATED IN A SNOW LOAD AREA		
ROOF DEAD LOAD:	□ 17 PSF (INCLUDING FIRE SPRINKLER LOAD) / VARIES PER INDIVIDUAL STOCKPILE		
BUILDING AREA:	□ 24'X40' (960 S.F.)		
	□ 36'X40' (1,440 S.F.)		
	□ 48'X40' (1,920 S.F.)F		
ALLOWABLE BUILDING AREA (MAX):	9,000 S.F.		

WIND DESIGN DATA	SECTION 1603.A.1.4
1. ULTIMATE WIND SPEED .3 SEC GUST (MPH):	110
2. RISK CATEGORY:	II
3.WIND EXPOSURE:	"C"
4. APPLICABLE INTERNAL PRESSURE COEFFICIENT:	+ or - 0.18
	Kzt = 1.0

EARTHQUAKE DESIGN DATA	SECTION 1603.A.1.5
1. SEISMIC DESIGN CATEGORY:	E
2. BASIC SEISMIC-FORCE-RESISTANCE-SYSTEM	□ LIGHT MODULAR STEEL MOMENT FRAME
3. ANALYSIS PROCEDURE USED:	EQUIVALENT LATERAL FORCE
	NO HORIZONTAL OR VERTICAL IRREGULARITIES PRESENT
4. FLOOD DESIGN DATA:	PROJECT IS NOT LOCATED IN FLOOD ZONE

NOTE:
ALL THE STOCKPILES LISTED IN THIS PC WERE DESIGNED FOR MAXIMUM SEISMIC LOADS IN CA ACCORDING TO THE CODES UNDER WHICH THEY WERE DESIGNED (1988 – 2007 CBC), AND CAN BE PLACED ANYWHERE IN THE STATE FOR SEISMIC CONSIDERATIONS PER DSA POLICY

mobile modular

11450 MISSION BLVD.
MIRA LOMA, CA 91752

EXISTING STOCKPILE BUILDINGS MODIFICATION PLANS MODIFICATIONS BASED ON PC 04–113941

APPROVALS

JAMES T. SIMPSON
No.3602
STRUCTURAL
STATE OF CALIFORNIA

DATE SIGNED
AUG 31 2018

SSS: K. ROBERTS
ACS: S DANILON
FLS: JARED ATAIYAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04–117462
AC ___ FLS ___ SS ___
DATE: SEP 26 2018

PRE–CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

REVISIONS | BY

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

COVER SHEET

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

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CHECKED
DATE
15 JUNE 2018
SCALE
JOB NO.

T — 1

OF 25 SHEETS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

APPROVED STOCKPILE A NUMBERS APPLICABLE TO THIS PC PLAN

Manufacturer	A No.	Manufacturer	A No.	Manufacturer	A No.	Manufacturer	A No.
AM	A01101536	~~AM~~	~~A58704~~	EN	A02108288	MT	A04102339
~~AM~~	~~A01101842~~	AM	A59780	EN	A02110147	MT	A04102365
AM	A02100277	~~AM~~	~~A61254~~	EN	A02110148	MT	A04103001
AM	A02100586	AM	A62111	EN	A02110149*	MT	A04103044
AM	A02100727	AM	A62118	EN	A02110281	MT	A04103186
AM	A02100728	~~AM~~	~~A64301~~	EN	A02110718	MT	A04103205
AM	A02100992	AM	A65821	EN	A57820*	MT	A04103310
AM	A02101029	AM	A69217	EN	A59785	MT	A04103621
AM	A02101106	AM	A69866	EN	A63749	MT	A04104812
AM	A02101284	~~AMSI~~	~~A68218~~	EN	A65586	MT	A04105219
AM	A02101285	AU	A03107543	MB	A04101905	MT	A04105399
AM	A02101583	AU	A04101310	MB	A04102291	MT	A04105400
AM	A02102021	AU	A04101502	MB	A04103266	MT	A04105434
AM	A02102043	AU	A04105339	MB	A04103407	MT	A04105483
AM	A02102798	AU	A04105437	MB	A04103554	MT	A04106558
AM	A02103575	AU	A04105946	MB	A04103659	MT	A04106777
AM	A02103576	AU	A04106096	MB	A04104262	MT	A04101343
AM	A02103809	AU	A04106097	MB	A04104492	MT	A54130
AM	A02103810	AU	A04106617	MB	A04104623	MT	A54198
AM	A02104419	AU	A04100408	MB	A04104624	MT	A60811
AM	A02104420	AU	A55943	MB	A04105527	MT	A61172
AM	A02104635	AU	A56725	MB	A04105913	MT	A61516
AM	A02104636	AU	A58433	MB	A04106102	MT	A64873
AM	A02105185	AU	A58551	MB	A04106168	MT	A65920
AM	A02105634	AU	A58653	MB	A04106292	MT	A65965
AM	A02105665	AU	A61228	MB	A04106466	MT	A67332
AM	A02105807	AU	A62078	MB	A04106467	MT	A67446
AM	A02105886	AU	A62105	MB	A04106743	MT	A67650
AM	A02106048	AU	A63693	MB	A04107100	MT	A67816
AM	A02106165	AU	A63817	MB	A04107176	MT	A67817
AM	A02106184	AU	A64839	MB	A04107207	MT	A68292
AM	A02106185*	AU	A65301	MB	A04107230	MT	A69746
AM	A02106214	AU	A65601	MB	A04107251	MT	A69878*
AM	A02106215	AU	A67425	MB	A04109450	~~MT~~	~~A69911~~
AM	A02106239	AU	A67426	MB	A04101926	SI	A04108525
AM	A02106328	EN	A01100789	MB	A52144	SI	A04108729
AM	A02106373	EN	A01102792	MB	A52350	SI	A04108760
~~AM~~	~~A02106373~~	EN	A01102793	MB	A52938	SI	A04108943
AM	A02106499	EN	A01106412*	MB	A53703	SI	A04108944
AM	A02106788	EN	A02101564	MB	A53982	SI	A04109460
AM	A02106845	EN	A02102873	MB	A54553	SI	A04109518
AM	A02106949	EN	A02103384	MB	A65714	SI	A04109615
AM	A02107007	EN	A02103726	MB	A68436	SI	A04109640
AM	A02107120	EN	A02104123	MT	A01100021	SI	A04109641
AM	A02107138	EN	A02104862	MT	A01100906	SI	A04109688
AM	A02107162	EN	A02105136	MT	A01100907	SI	A04109752
AM	A02107390	EN	A02105898	MT	A01100908	SI	A04109754
AM	A02108178	EN	A02105944	MT	A01100910	SI	A04110055
AM	A02108179	EN	A02105945	MT	A02105794	SI	A04110142
AM	A02109934	EN	A02106008	MT	A04100727	SI	A04110549
AM	A02110035	EN	A02106895	MT	A04100729	SI	A04110811
~~AM~~	~~A54164~~	EN	A02107272	MT	A04100730	SI	A04111152
~~AM~~	~~A54592~~	EN	A02107401	MT	A04100811	WS	A04107179
~~AM~~	~~A55949~~	EN	A02107484	MT	A04101194		
~~AM~~	~~A55969~~	EN	A02108109	MT	A04101767		
~~AM~~	~~A58499~~	EN	A02108132	MT	A04101891		

AM = American Modular Systems AU = Aurora Modular MB = Modular Structures Int'l SI = Silver Creek
AMSI = American Modular Structures EN = Enviroplex MT = Modtech WS = Walden Structures

NOTE: ALL STOCKPILES LISTED ARE CERTIFIED WITH FULL APPROVAL OF THE MODULAR BUILDINGS EXCEPT THOSE MARKED WITH AN ASTERIK (*). PROJECTS WITH AN ASTERIK (*) MUST PROVIDE AN IN-PLANT WELDING INSPECTION REPORT BEFORE PROJECT CAN BE APPROVED.

DSA-103 Issued 9/1/2017

List of Required Structural Tests & Special Inspections - 2016 CBC

INCREMENT # DSA File No.: Application No.:
Date Submitted: Revised: Revised:

School Name | District

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A.
NOTE: This form is also available for projects submitted for review under the 2007, 2010, and 2013 CBC.

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other issues. A shaded box can be clicked indicating your selection of that test. **Note:** A minus (-) on a category or subcategory heading indicates that it can be collapsed. However, any selections you may have made will be cleared. Click on the "COMPILE" button to show only the tests and inspections finally selected. **For more information on use of this form, see DSA-103.INSTR.**

Note: References are to the 2016 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE[1]	PERFORMED BY[2]	CODE REFERENCE AND NOTES
+	**SOILS**			
+	**CONCRETE**			**Table 1705A.3, ACI 318-14 Sections 26.12 & 26.13**
+	**MASONRY**			**TMS 402-13/ACI 530-13/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530.1-13/ASCE 6-13 Table 5**
-	**STEEL, ALUMINUM**			**Table 1705A.2.1, AISC 303-10, AISC 360-10, AISC 341-10, AISC 358-10, AISI S100-07/S2-10**
-	**19. WELDING:**			**1705A.2.5, Table 1705A.2.1 Items 4 & 5;** DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	**19.1 SHOP WELDING:**			
X	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds	Periodic	SI	**1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6.** Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	**1705A.2.1.** Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3.
-	**19.2 FIELD WELDING:**			
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	**Table 1705A.2.1 Item 5a.5.** Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
+	**WOOD**			
+	**OTHER**			

List of required verified report(s):

KEY to Columns

1 Type -	2 Performed By -
Continuous – Indicates that a continuous special inspection is required	**GE** – Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative
Periodic – Indicates that a periodic special inspection is required	**LOR** – Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
Test – Indicates that a test is required	**SI** – Indicates that the special inspection is to be performed by a special inspector
COMPILE PRINT	

Name of Architect or Engineer in general responsible charge

Name of Structural Engineer (When structural design has been delegated)

Signature of Architect or Structural Engineer date

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DIV OF THE STATE ARCHITECT
APP. #
AC N/A F/LS N/A SS
DATE

APPROVALS

No. 3602
STRUCTURAL
STATE OF CALIFORNIA

DATE SIGNED
SEP 2 6 2018

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
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OFFICE OF REGULATION SERVICES
PC 04-117462
AC FLS SS
DATE: SEP 2 6 2018

REVISIONS | BY

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

DSA 103 (SAMPLE)/A-NUMBER TABLE

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

DRAWN
CHECKED
DATE 15 JUNE 2018
SCALE
JOB NO.

T—2

OF 25 SHEETS

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APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

Advisory 1008.4.2 Clear Floor or Ground Space. Clear floor or ground spaces, turning spaces, and accessible routes are permitted to overlap within play areas. A specific location has not been designated for the clear floor or ground spaces or turning spaces, except swings, because each play component may require that the spaces be placed in a unique location. Where play components include a seat or entry point, designs that provide for an unobstructed transfer from a wheelchair or other mobility device are recommended. This will enhance the ability of children with disabilities to independently use the play component.

When designing play components with manipulative or interactive features, consider appropriate reach ranges for children seated in wheelchairs. The following table provides guidance on reach ranges for children seated in wheelchairs. These dimensions apply to either forward or side reaches. The reach ranges are appropriate for use with those play components that children seated in wheelchairs may access and reach. Where transfer systems provide access to elevated play components, the reach ranges are not appropriate.

Children's Reach Ranges

Forward or Side Reach	High (maximum)	Low (minimum)
Ages 3 and 4	36 in (915 mm)	20 in (510 mm)
Ages 5 through 8	40 in (1015 mm)	18 in (455 mm)
Ages 9 through 12	44 in (1120 mm)	16 in (405 mm)

CHAPTER 11:COMMUNICATION ELEMENTS AND FEATURES

11B.702 Fire Alarm Systems
11B.702.1 General. Fire alarm systems shall have permanently installed audible and visible alarms complying with NFPA 72 (2016 edition)
except that the maximum allowable sound level of audible notification appliances complying with section 11B.4-3.2.1 of NFPA 72 shall have a sound level no more than 110 dB at the minimum hearing distance from the audible appliance. In addition, alarms in guest rooms required to provide communication features shall comply with NFPA 72 (2016 edition)

11B.703 Signs

11B.703.1 General. Signs shall comply with 703. Where both visual and tactile characters are required, either one sign with both visual and tactile characters, or two separate signs, one with visual, and one with tactile characters, shall be provided.

11B.703.2 Raised Characters. Raised characters shall comply with 703.2 and shall be duplicated in braille complying with 703.3. Raised characters shall be installed in accordance with 703.4.

11B.703.2.1 Depth. Raised characters shall be 1/32 inch (0.8 mm) minimum above their background.

11B.703.2.2 Case. Characters shall be uppercase.

11B.703.2.3 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

11B.703.2.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

11B.703.2.5 Character Height. Character height measured vertically from the baseline of the character shall be 5/8 inch (15.9 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I".

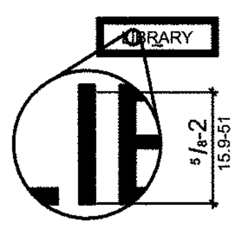


Figure 703.2.5 Height of Raised Characters

TABLE 11B-703.3.1
BRAILLE DIMENSIONS

MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6 mm)
Distance between two dots in the same cell[1]	0.100 (2.5 mm)
Distance between corresponding dots in adjacent cells[1]	0.300 (7.6 mm)
Dot height	0.025 (0.6 mm) to 0.037 (0.9 mm)
Distance between corresponding dots from one cell directly below[1]	0.395 (10 mm) to 0.400 (10.2 mm)

1. Measured center to center.

GENERAL SIGNAGE MOUNTING LOCATIONS & LAYOUT

11B.703.2.6 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 15 percent maximum of the height of the character.

11B.703.2.7 Character Spacing. Character spacing shall be measured between the two closest points of adjacent raised characters within a message, excluding word spaces. Where characters have rectangular cross sections, spacing between individual raised characters shall be 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum. Where characters have other cross sections, spacing between individual raised characters shall be 1/16 inch (1.6 mm) minimum and 4 times the raised character stroke width maximum at the base of the cross sections, and 1/8 inch (3.2 mm) minimum and 4 times the raised character stroke width maximum at the top of the cross sections. Characters shall be separated from raised borders and decorative elements 3/8 inch (9.5 mm) minimum.

11B.703.2.8 Line Spacing. Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent minimum and 170 percent maximum of the raised character height.

11B.703.3 Braille. Braille shall be contracted (Grade 2) and shall comply with 703.3 and 703.4.

11B.703.3.1 Dimensions and Capitalization. Braille dots shall have a domed or rounded shape and shall comply with Table 703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.

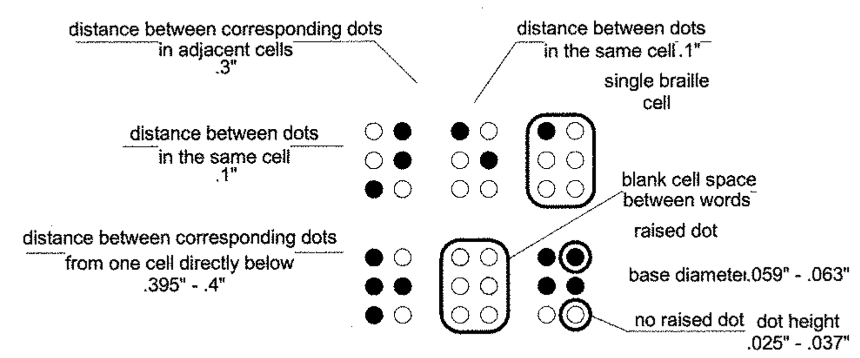


Figure 703.3.1 Braille Measurement

11B.703.3.2 Position. Braille shall be positioned below the corresponding text. If text is multi-lined, braille shall be placed below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.

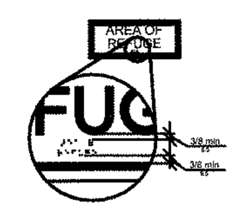


Figure 703.3.2 Position of Braille

11B.703.4 Installation Height and Location. Signs with tactile characters shall comply with 703.4.

11B.703.4.1 Height Above Finish Floor or Ground. Tactile characters on signs shall be located 48 inches (1220 mm) minimum above the finish floor or ground surface, measured from the baseline of the lowest tactile character and 60 inches (1525 mm) maximum above the finish floor or ground surface, measured from the baseline of the highest tactile character.

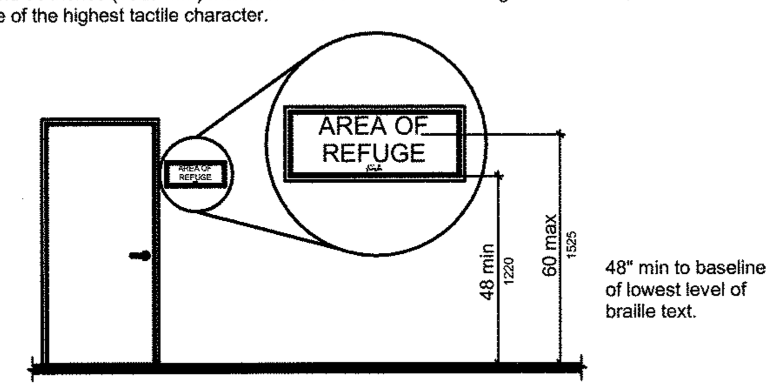
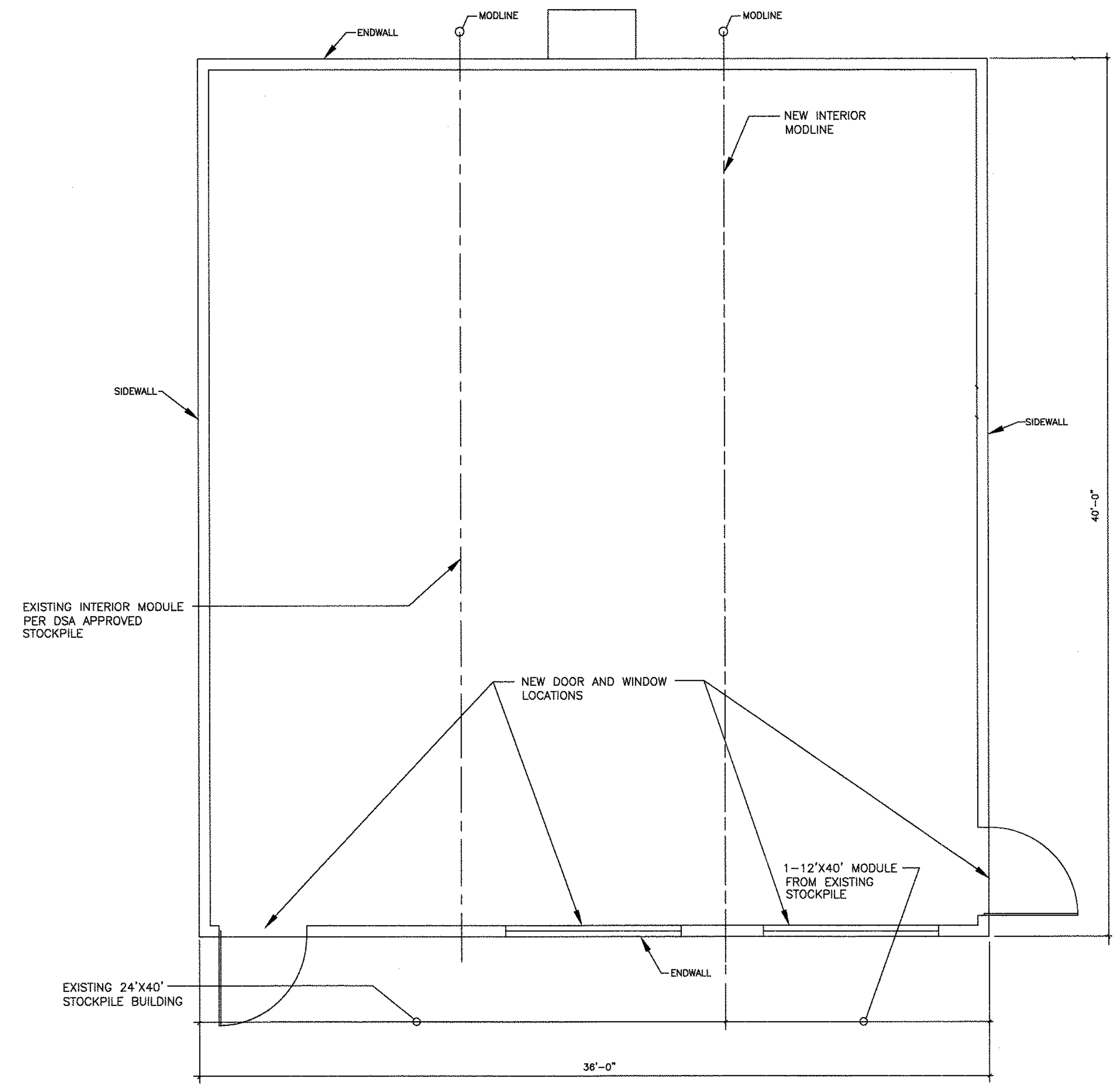
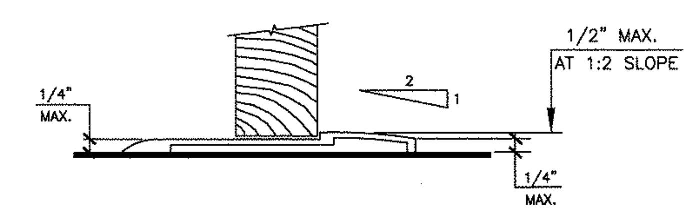


Figure 703.4.1 Height of Tactile Characters Above Finish Floor or Ground



MODIFICATION PLAN

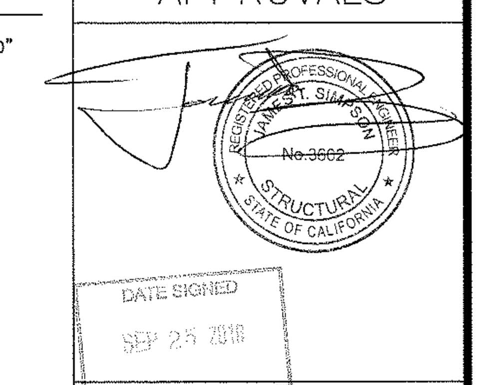
1/4" = 1'-0"



THRESHOLD DETAIL

5

APPROVALS



PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-117462
AC ___ FLS ___ SS ___
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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

REVISIONS	BY

STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

MODIFICATION PLAN FOR 36 X 40 BUILDINGS

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

DRAWN
CHECKED
DATE
15 JUNE 2018
SCALE
JOB NO.

S-2

OF 25 SHEETS

MOBILE MODULAR STOCKPILE MODIFICATION SHEET S-2.DWG

11B.703.4.2 Location. Where a tactile sign is provided at a door, the sign shall be located alongside the door at the latch side. Where a tactile sign is provided at double doors with one active leaf, the sign shall be located on the inactive leaf. Where a tactile sign is provided at double doors with two active leafs, the sign shall be located to the right of the right hand door. Where there is no wall space at the latch side of a single door or at the right side of double doors, signs shall be located on the nearest adjacent wall. Signs containing tactile characters shall be located so that a clear floor space of 18 inches (455 mm) minimum by 18 inches (455 mm) minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

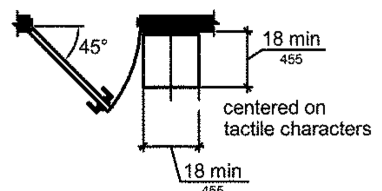


Figure 703.4.2 Location of Tactile Signs at Doors

11B.703.5 Visual Characters. Visual characters shall comply with 703.5.

11B.703.5.1 Finish and Contrast. Characters and their background shall have a non-glare finish. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.

11B.703.5.2 Case. Characters shall be uppercase or lowercase or a combination of both.

11B.703.5.3 Style. Characters shall be conventional in form. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

11B.703.5.4 Character Proportions. Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 percent minimum and 110 percent maximum of the height of the uppercase letter "I".

11B.703.5.5 Character Height. Minimum character height shall comply with Table 703.5.5. Viewing distance shall be measured as the horizontal distance between the character and an obstruction preventing further approach towards the sign. Character height shall be based on the uppercase letter "I".

11B.703.5.6 Height From Finish Floor or Ground. Visual characters shall be 40 inches (1015 mm) minimum above the finish floor or ground.

11B.703.5.7 Stroke Thickness. Stroke thickness of the uppercase letter "I" shall be 10 percent minimum and 20 percent maximum of the height of the character.

11B.703.5.8 Character Spacing. Character spacing shall be measured between the two closest points of adjacent characters, excluding word spaces. Spacing between individual characters shall be 10 percent minimum and 35 percent maximum of character height.

11B.703.5.9 Line Spacing. Spacing between the baselines of separate lines of characters within a message shall be 135 percent minimum and 170 percent maximum of the character height.

11B.703.6 Pictograms. Pictograms shall comply with 703.6.1

11B.703.6.1 Pictogram Field. Pictograms shall have a field height of 6 inches (150 mm) minimum. Characters and braille shall not be located in the pictogram field.

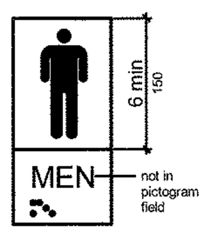


Figure 703.6.1 Pictogram Field
dark-on-light.

GENERAL SIGNAGE MOUNTING LOCATIONS & LAYOUT

FIGURE 11B-703.7.2.4

REQUIRED PER 11B-219 & 11B-706
(SEE INTERIOR ELEVATION PLANS FOR MORE INFO)

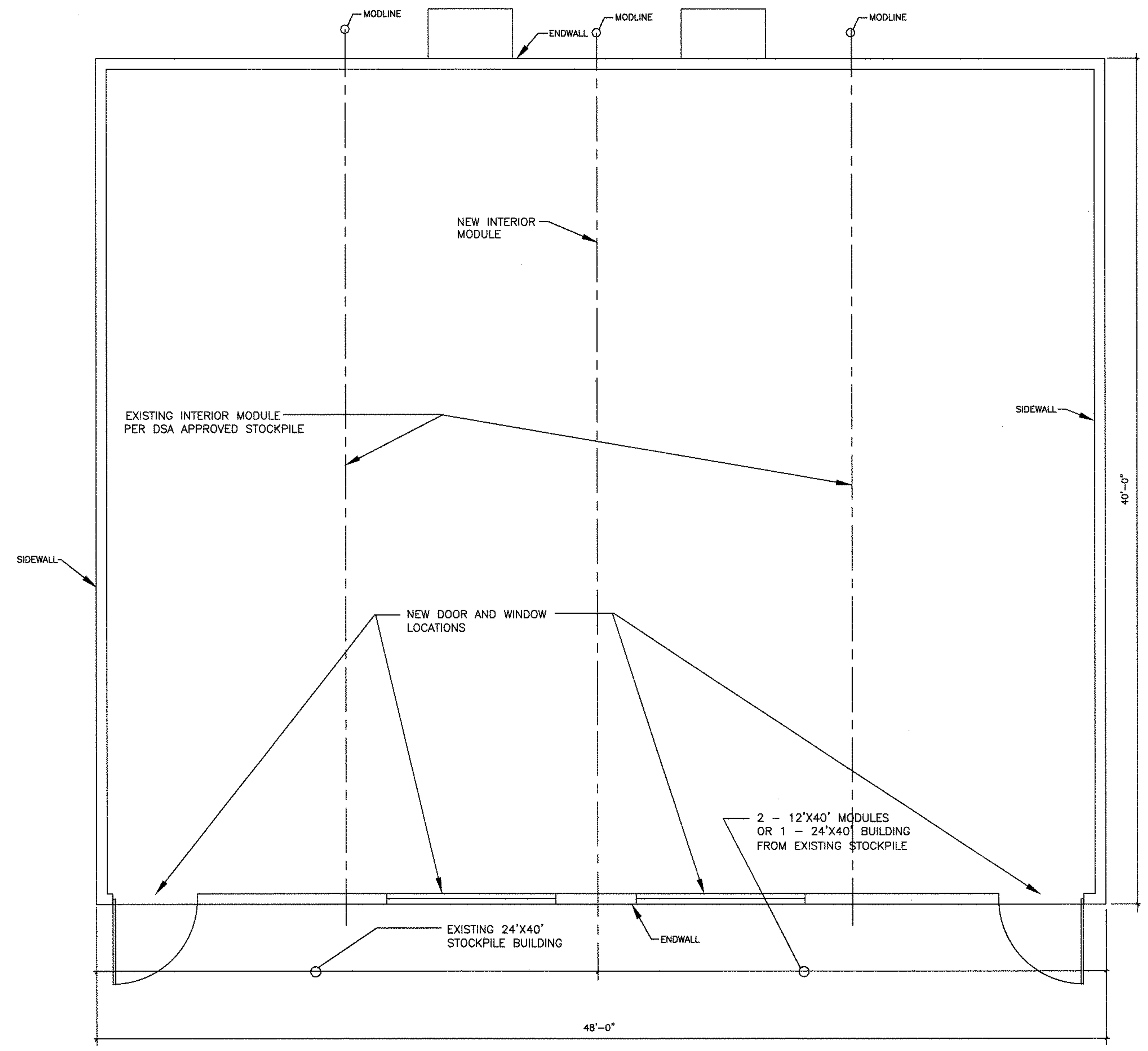
MAXIMUM OCCUPANCY

____

PERSONS

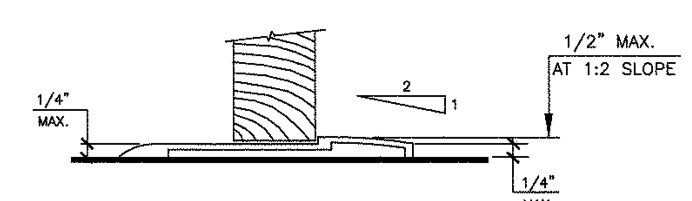
OCCUPANT LOAD SIGN REQUIRED PER DSA BU11-08.

EVERY ROOM OR SPACE WHICH IS USED FOR ASSEMBLY, CLASSROOM, DINING OR SIMILAR PURPOSES HAVING AN OCCUPANT LOAD OF 50 OR MORE SHALL HAVE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED IN A CONSPICUOUS PLACE, NEAR THE MAIN EXIT OR EXIT ACCESS DOORWAY



MODIFICATION PLAN

1/4" = 1'-0"



THRESHOLD DETAIL

5
—

APPROVALS

DATE SIGNED
SEP 25 2018

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

This drawing and the material contained therein are the property of Mobile Modular Management Corporation (MMMC) and shall not be reproduced, copied or otherwise disposed of directly or indirectly and shall not be used in whole or in part to assist in the making of, or for the purpose of furnishing, any information for the making of drawings, prints, apparatus or parts thereof without the full knowledge and written consent of MMMC and all patentable material contained herein and originating with MMMC and shall be the property of MMMC.

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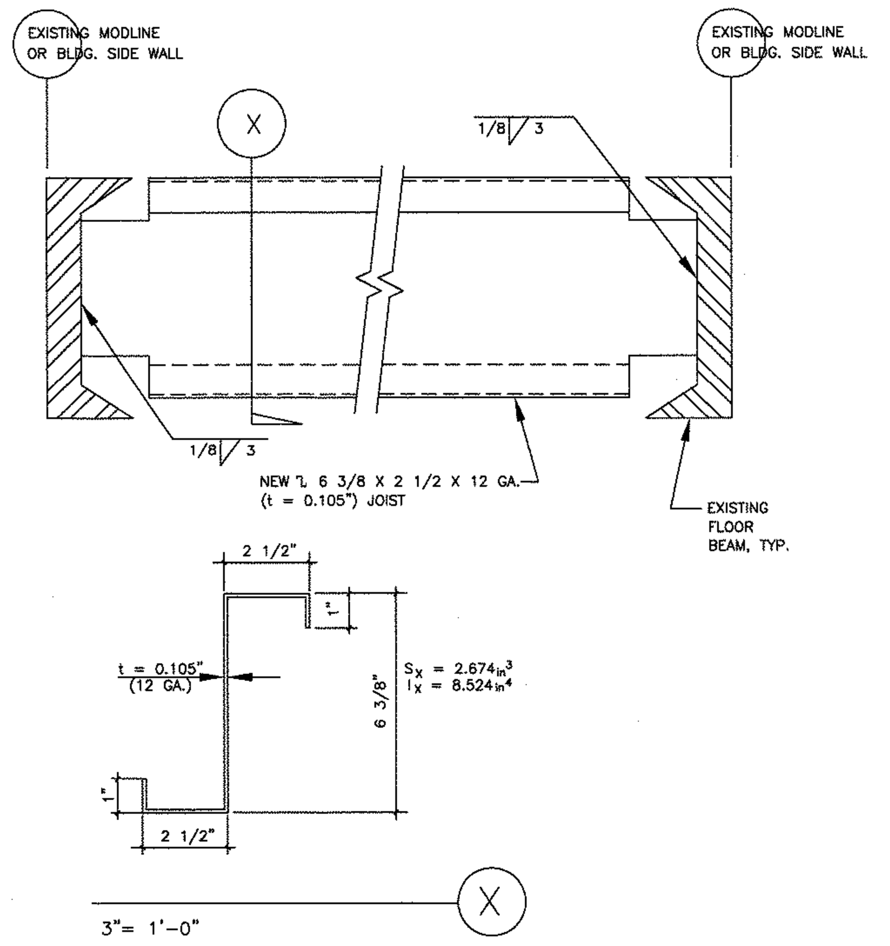
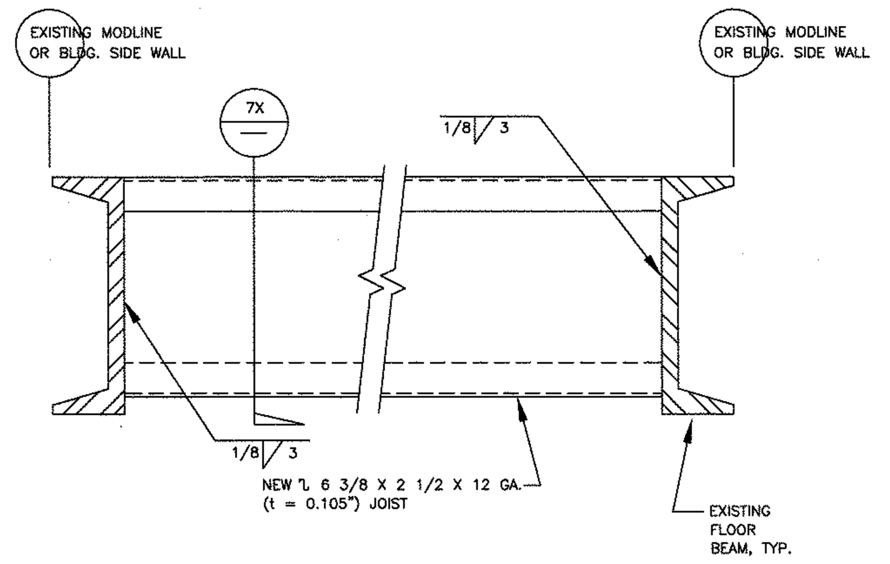


3" = 1'-0" X

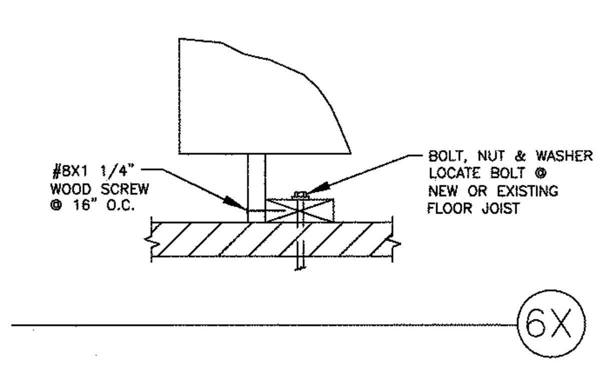
NEW FLOOR JOIST @ TYPICAL BUILDING 7

3" = 1'-0"

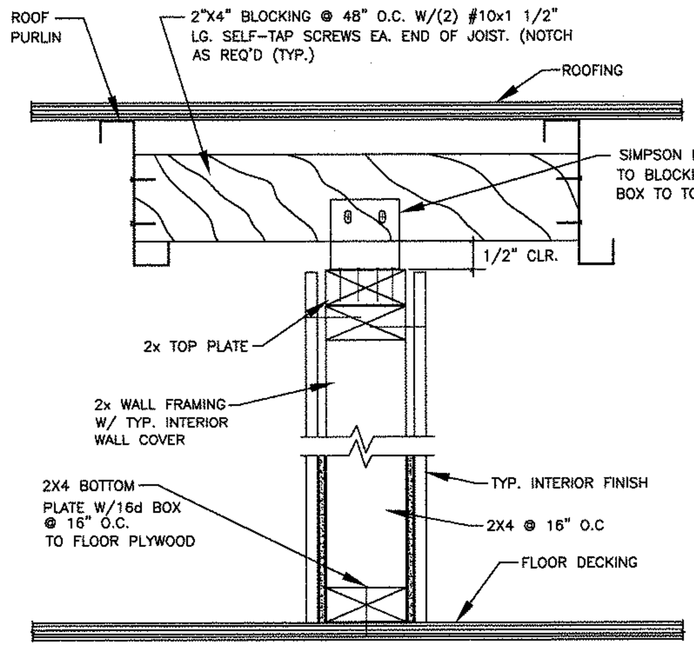


NEW FLOOR JOIST @ AMERICAN MODULAR BUILDINGS 8

3" = 1'-0"

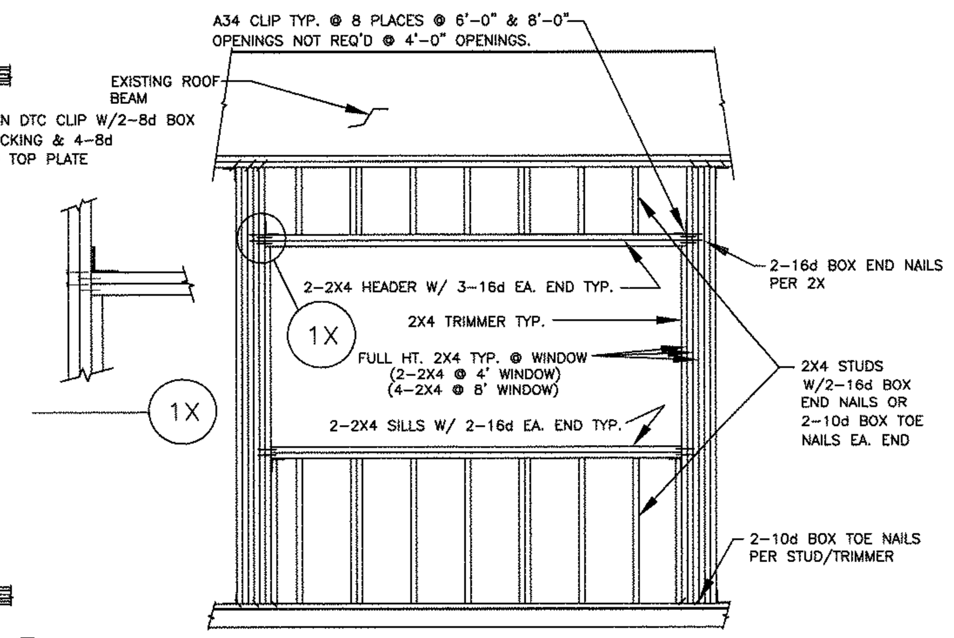


6X



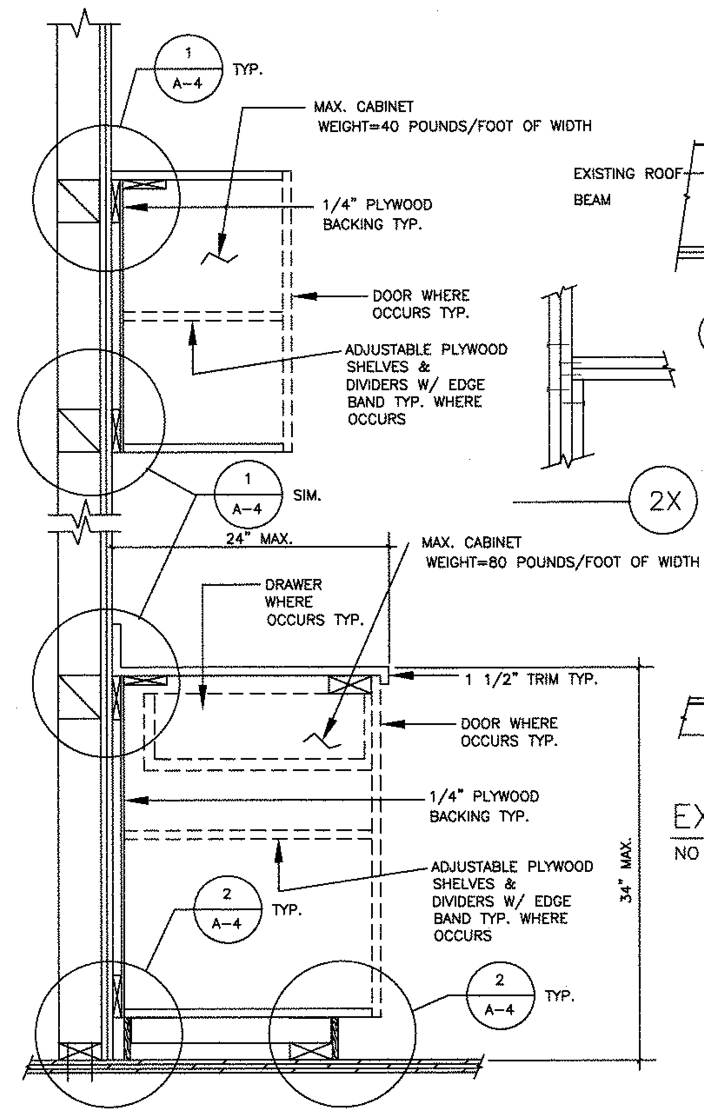
PARTITION WALL TO ROOF 4

NO SCALE



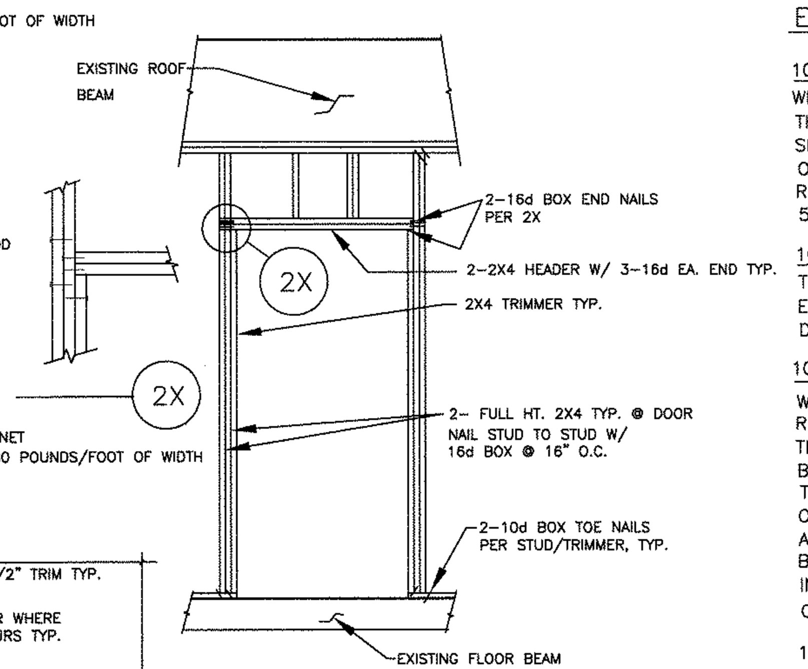
EXTERIOR WINDOW FRAMING 1

NO SCALE



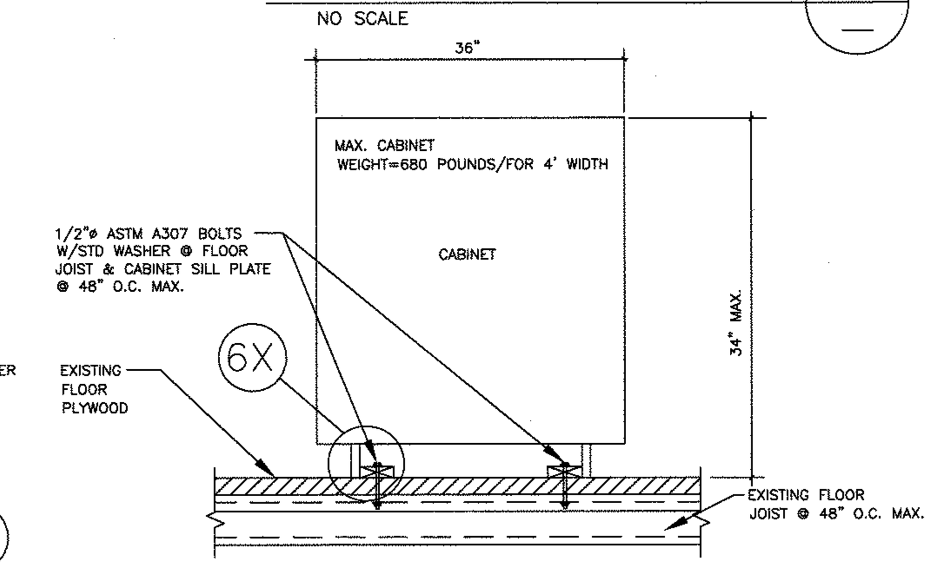
CABINET BLOCKING 5

NO SCALE



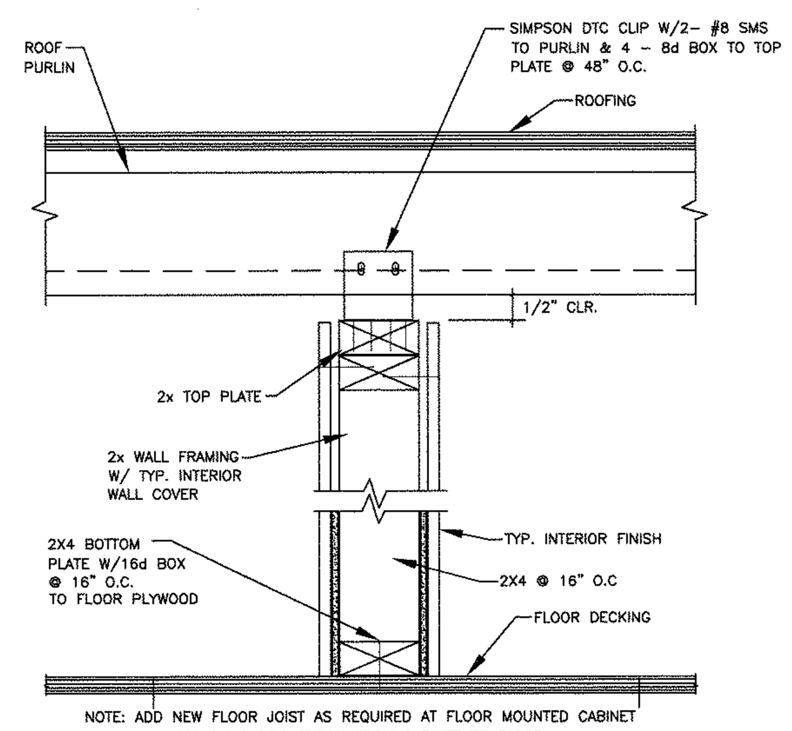
EXTERIOR DOOR FRAMING 2

NO SCALE



FLOOR MOUNTED CABINET 6

NO SCALE



PARTITION WALL TO ROOF 3

NO SCALE

NEW ROOF BEAM PENETRATION:
LOCATE 2'-0" MIN. FROM END WALLS. PROVIDE 4 OPENINGS MAXIMUM IN ROOF BEAM, SPACE OPENINGS @ 2'-0" O.C. ℄ TO ℄ MIN.

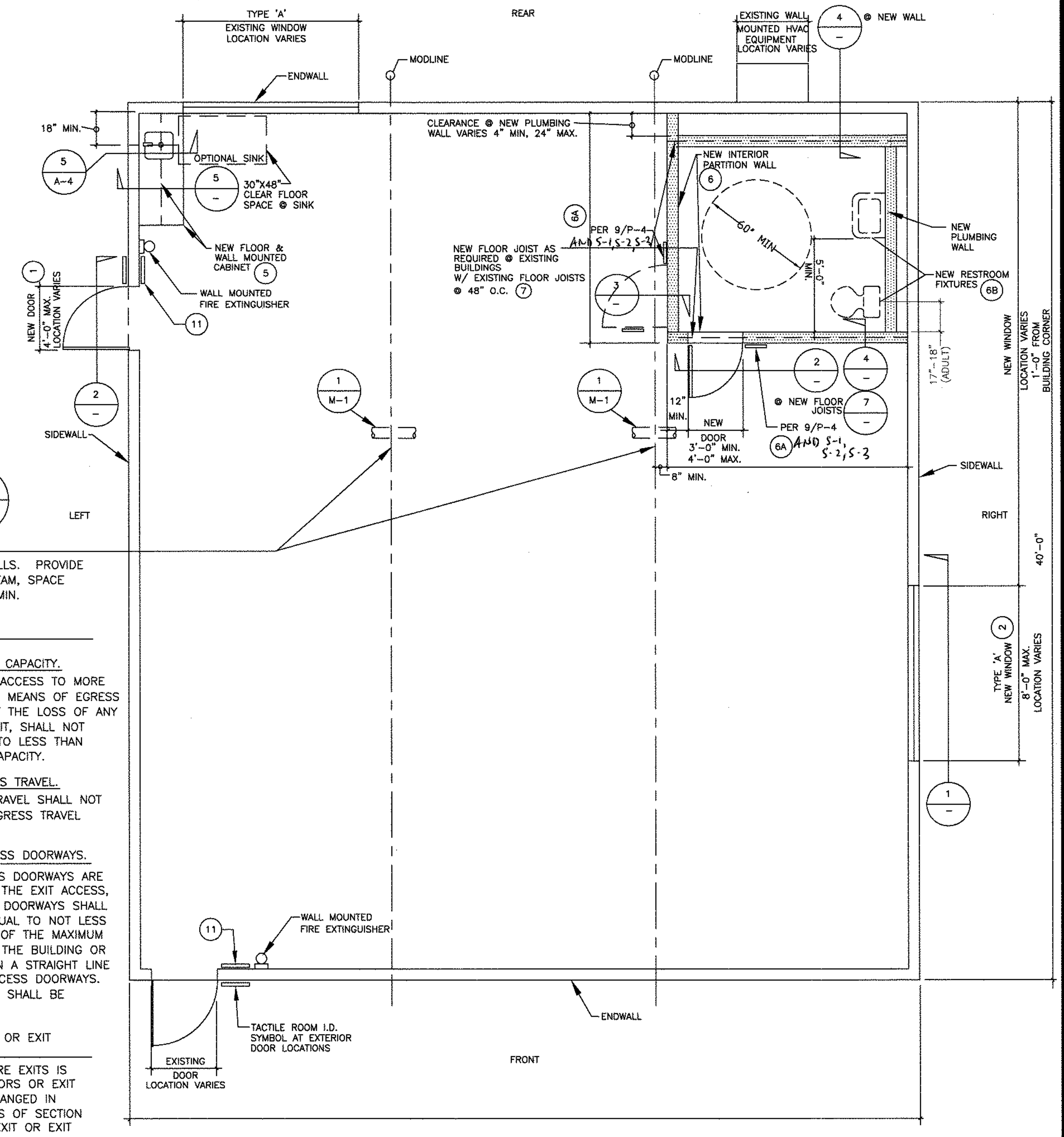
EGRESS NOTES:

1005.5. DISTRIBUTION OF EGRESS CAPACITY.
WHERE MORE THAN ONE EXIT, OR ACCESS TO MORE THAN ONE EXIT, IS REQUIRED, THE MEANS OF EGRESS SHALL BE CONFIGURED SUCH THAT THE LOSS OF ANY ONE EXIT, OR ACCESS TO ONE EXIT, SHALL NOT REDUCE THE AVAILABLE CAPACITY TO LESS THAN 50 PERCENT OF THE REQUIRED CAPACITY.

1014.3 COMMON PATH OF EGRESS TRAVEL.
THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED THE COMMON PATH OF EGRESS TRAVEL DISTANCES IN TABLE 1014.3.

1015.2.1 TWO EXITS OR EXIT ACCESS DOORWAYS.
WHERE TWO EXITS OR EXIT ACCESS DOORWAYS ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN EXIT DOORS OR EXIT ACCESS DOORWAYS. INTERLOCKING OR SCISSOR STAIRS SHALL BE COUNTED AS ONE EXIT STAIRWAY.

1015.2.2 THREE OR MORE EXITS OR EXIT ACCESS DOORWAYS
WHERE ACCESS TO THREE OR MORE EXITS IS REQUIRED, AT LEAST TWO EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE ARRANGED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 1015.2.1 ADDITIONAL REQUIRED EXIT OR EXIT ACCESS DOORWAYS SHALL BE ARRANGED A REASONABLE DISTANCE APART SO THAT IF ONE BECOMES BLOCKED, THE OTHERS WILL BE AVAILABLE.



MODIFICATION PLAN

1/4" = 1'-0"

NOTES:

1. NEW DOORS CAN BE LOCATED ON SIDE OR END WALLS, SEE DETAIL 2/- NUMBER OF NEW 3' WIDE BY 7' HIGH DOORS IS NOT LIMITED. SEPARATE DOORS BY 12" MIN.
2. NEW WINDOWS CAN BE LOCATED ON SIDE OR END WALLS, SEE DETAIL 1/- NUMBER OF NEW WINDOWS IS NOT LIMITED. SEPARATE WINDOWS BY 12" MIN.
3. NEW PARTITION WALL, PARTITION WALL CAN EXTEND FOR THE FULL LENGTH OF THE MODULE/BUILDING OR CAN EXTEND FOR PART OF THE LENGTH OF THE MODULE/BUILDING, SEE DETAIL 3/- & 4/-
   - 3A. INTERIOR DOORS CAN BE INSTALLED IN NEW PARTITION WALL. NEW DOORS CAN BE LOCATED ANYWHERE ALONG LENGTH OF PARTITION WALL. NUMBER OF DOORS IS NOT LIMITED. SEPARATE DOORS/WINDOWS BY 12" MIN.
   - 3B. INTERIOR WINDOWS CAN BE INSTALLED IN NEW PARTITION WALL. NEW WINDOWS CAN BE LOCATED ANYWHERE ALONG LENGTH OF PARTITION WALL. NUMBER OF WINDOWS IS NOT LIMITED. SEPARATE DOORS/WINDOWS BY 12" MIN.
4. NEW FLOOR MOUNTED ADA CABINETS MAY BE LOCATED ANYWHERE ON FLOOR PLAN, WITH ALL ACCESSIBLE CLEARANCES TO BE MAINTAINED, SEE DETAIL 6/- & 6X/-
5. NEW FLOOR & WALL MOUNTED CABINETS CAN BE LOCATED ANYWHERE ON FLOOR PLAN. NUMBER OF FLOOR & WALL MOUNTED CABINETS IS NOT LIMITED, SEE DETAIL 5/-.
6. NEW PARTITION WALLS INCLUDING OFFICE OR RESTROOM, SEE DETAIL 3/- & 4/-
   - 6A. DIMENSIONS FOR OFFICE/RESTROOM TO BE PART OF SITE SPECIFIC PLANS.
   - 6B. LAY OUT FOR NEW FIXTURES/GRAB BARS/ETC. TO BE PART OF SITE SPECIFIC PLANS. SEE DETAILS ~~X~~/P-1, 2/P-4 AND TABLE 2/P-4 FOR MIN. DIMENSIONS.
7. ADD NEW ˥ 6 3/8"X2 1/2"X 12GA. (t = 0.105") FLOOR JOIST PER DETAIL 7/- AND 8/- @ NEW PARTITION WALLS. WHERE PARTITION WALLS ARE PERPENDICULAR TO FLOOR JOISTS ADD NEW FLOOR JOISTS AS REQ'D TO PROVIDE 24" SPACING FOR EXISTING FLOOR FRAMING W/EXISTING JOISTS @ 48" O.C.
8. FILL IN ANY ABANDONED DOORS OR WINDOWS PER DETAIL 9/A-6
9. RESTROOM LOCATION (S) MAY VARY AND MAY BE MIRRORED. SEE SHEET P-1, P-2, P-3 AND P-4 FOR ADDITIONAL INFORMATION.
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11. PROVIDE EXIT OR EXIT RAMP DOWN TACTILE SIGN, AS APPLICABLE, SEE SHEET S-1, S-2 & S-3 FOR SIGNAGE DETAILS. (OR ROOM I.D. SIGN)

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APPROVALS

REGISTERED PROFESSIONAL ENGINEER No.3602 STRUCTURAL STATE OF CALIFORNIA

DATE SIGNED SEP 25 2018

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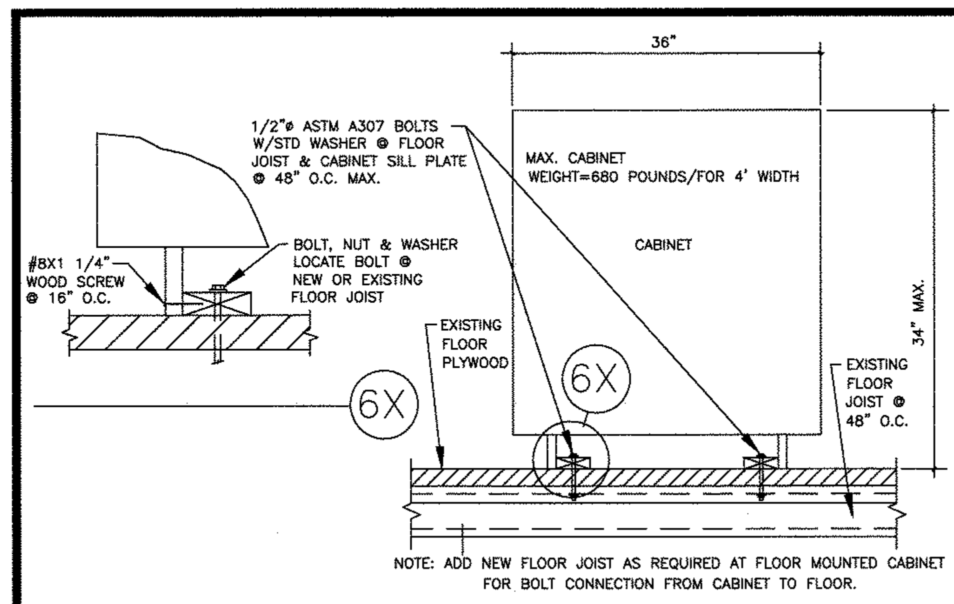
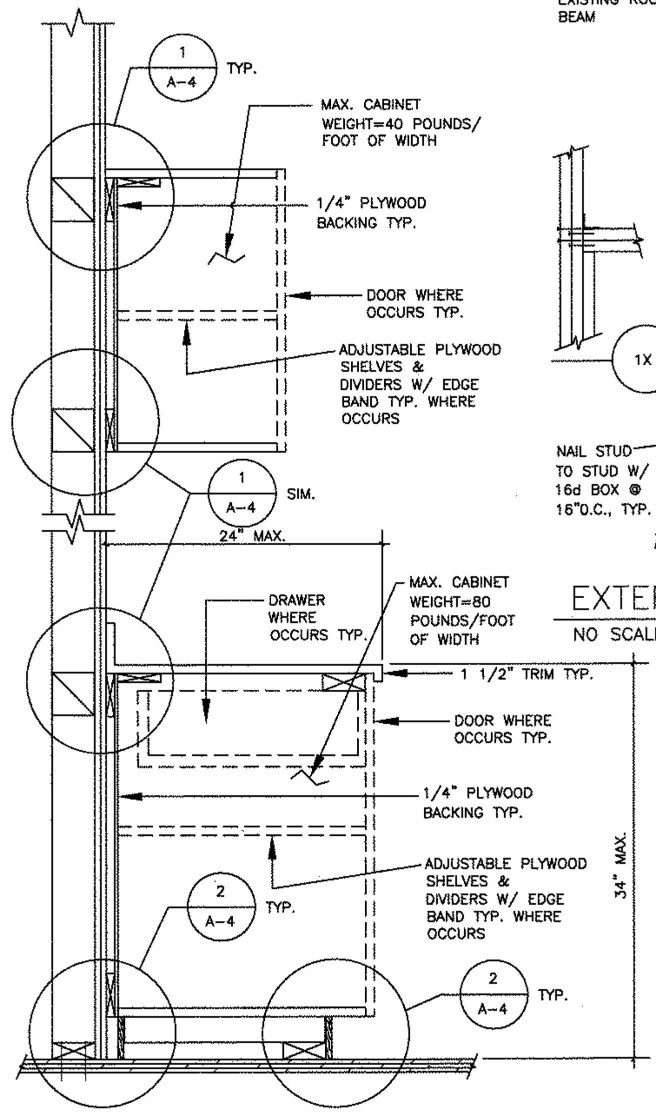
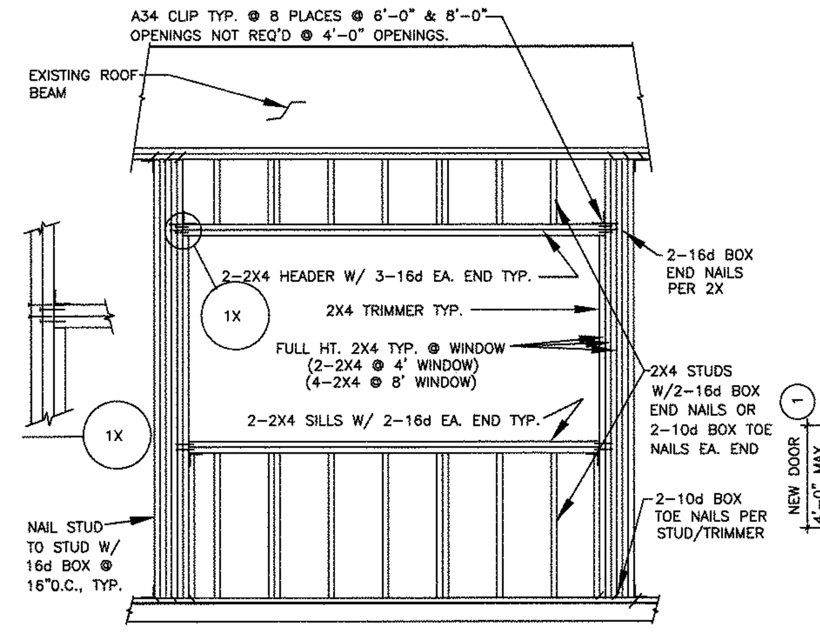


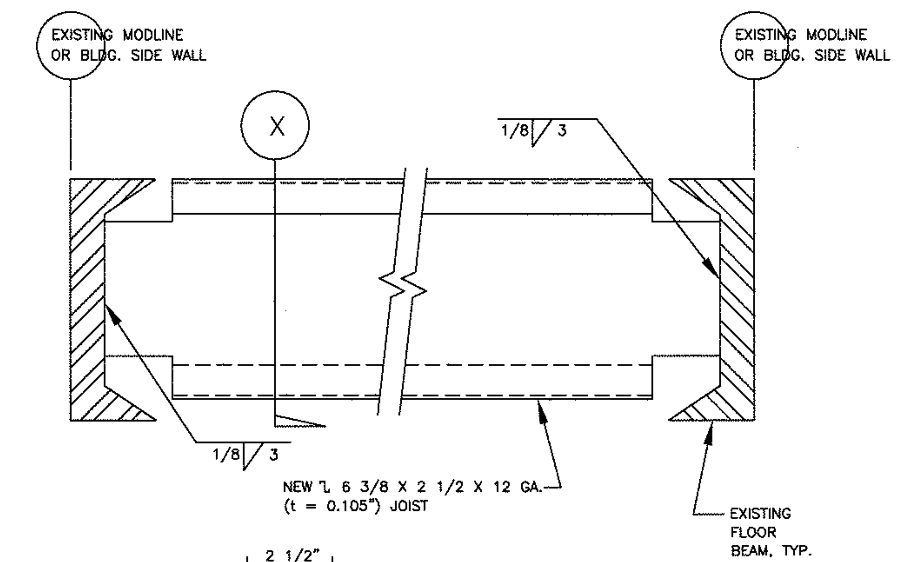
FLOOR MOUNTED CABINET 6
NO SCALE

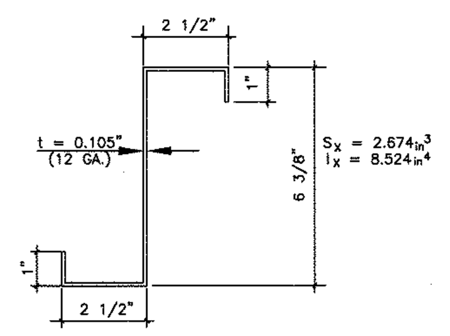


CABINET BLOCKING 5
NO SCALE



EXTERIOR WINDOW FRAMING 1
NO SCALE





X
3"= 1'-0"

NEW FLOOR JOIST @ TYPICAL BUILDING 7
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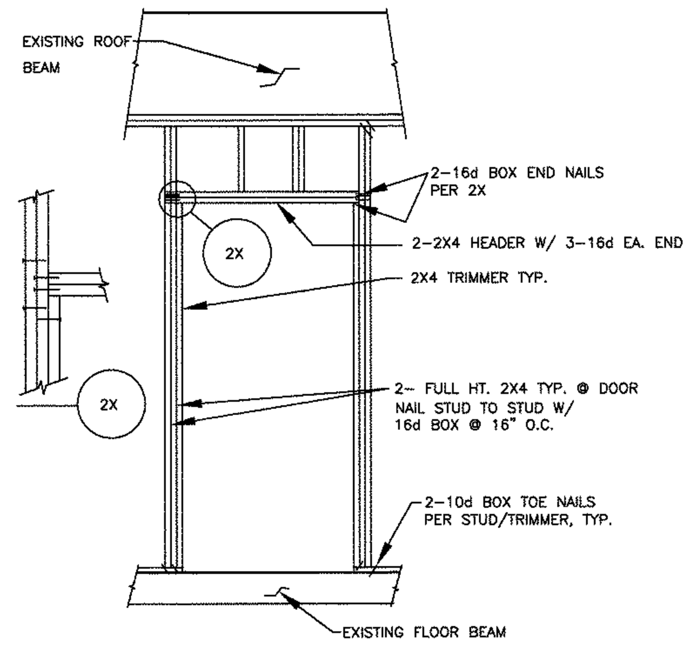
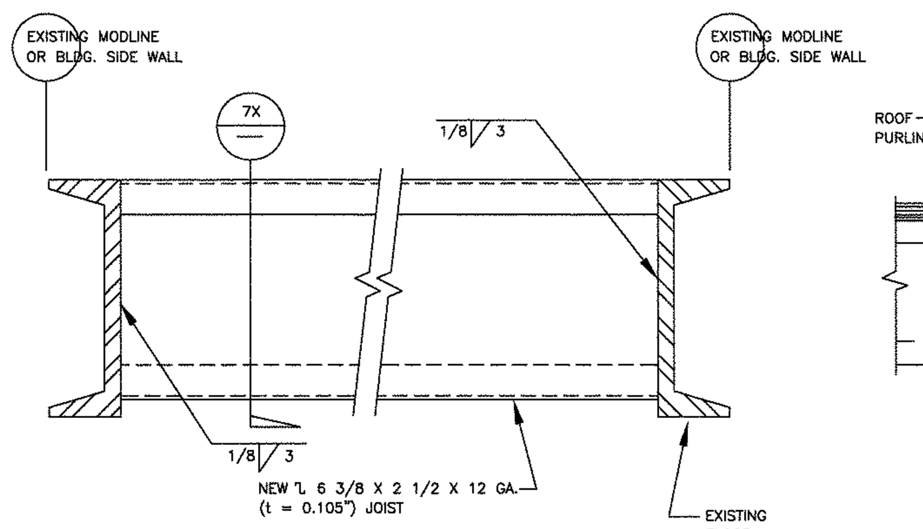


EXTERIOR DOOR FRAMING 2
NO SCALE



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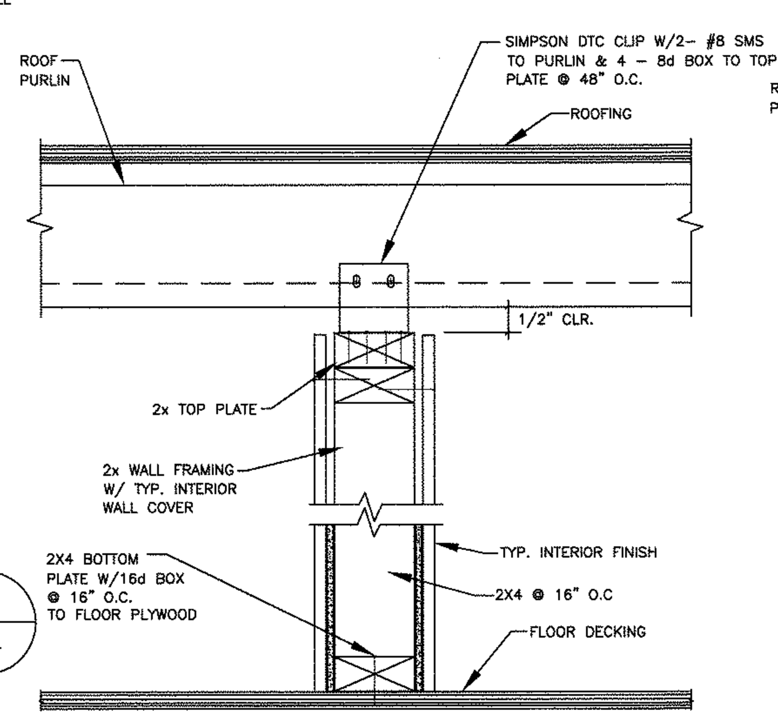
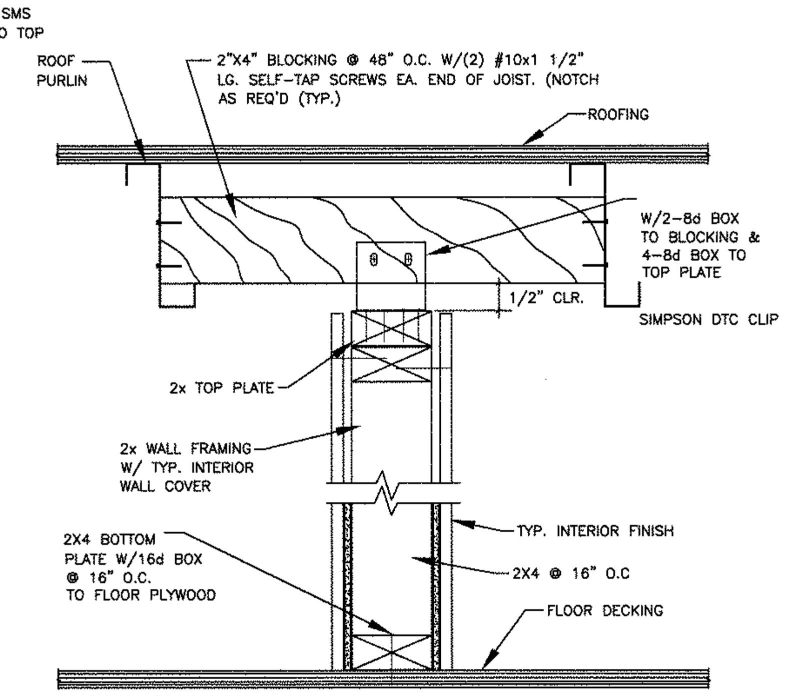


PARTITION WALL TO ROOF 3
NO SCALE



PARTITION WALL TO ROOF 4
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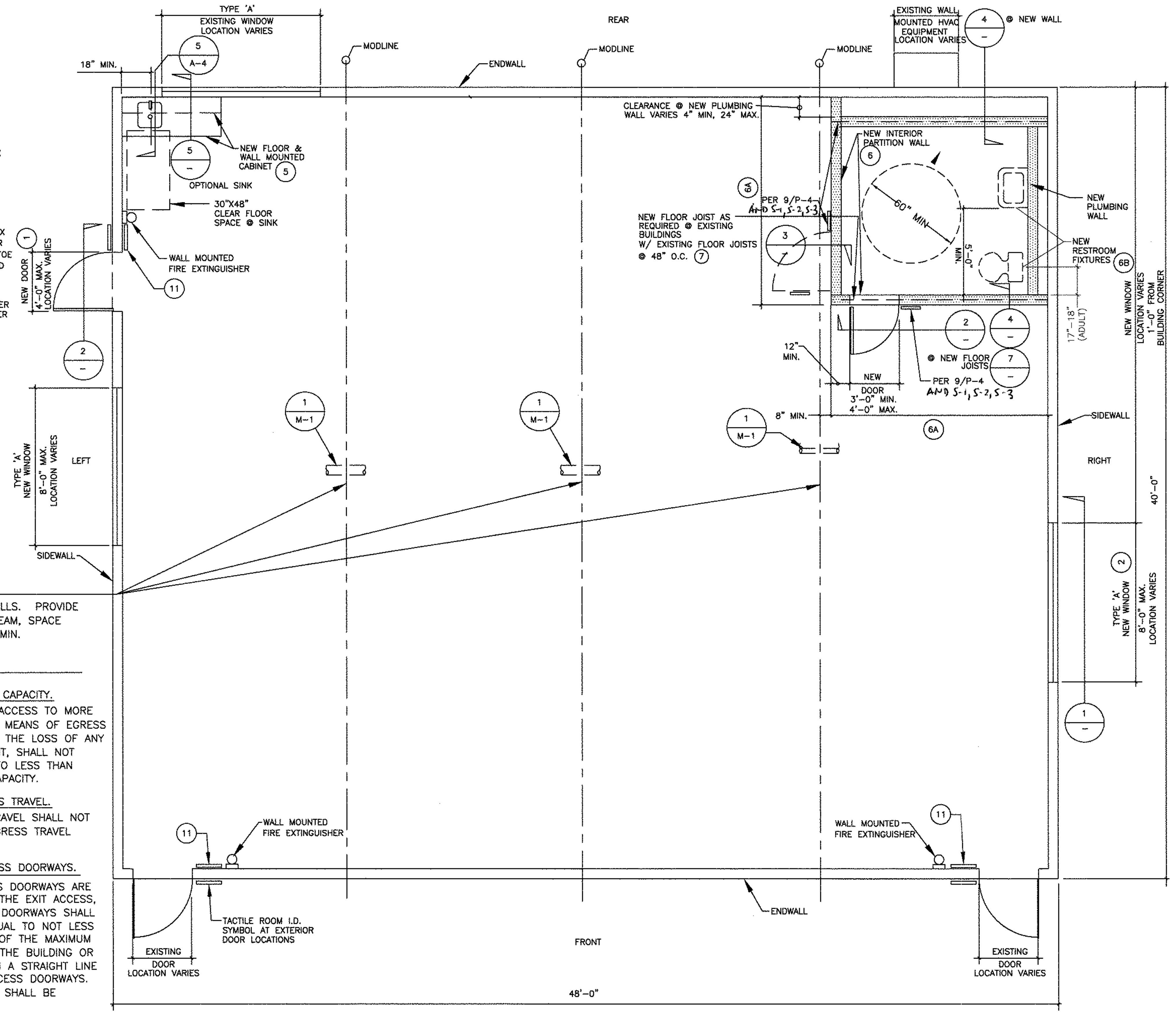

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STATE OF CALIFORNIA

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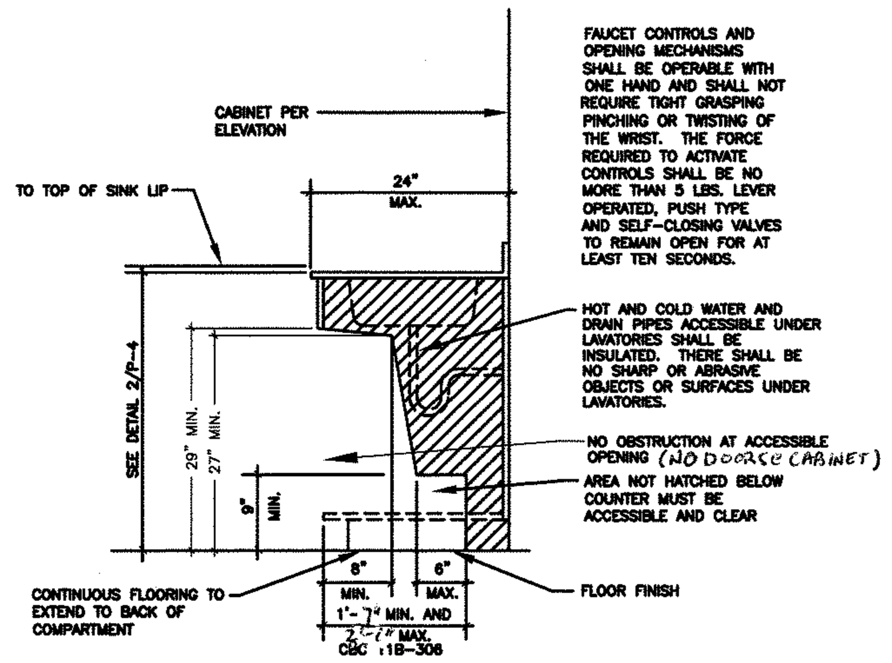
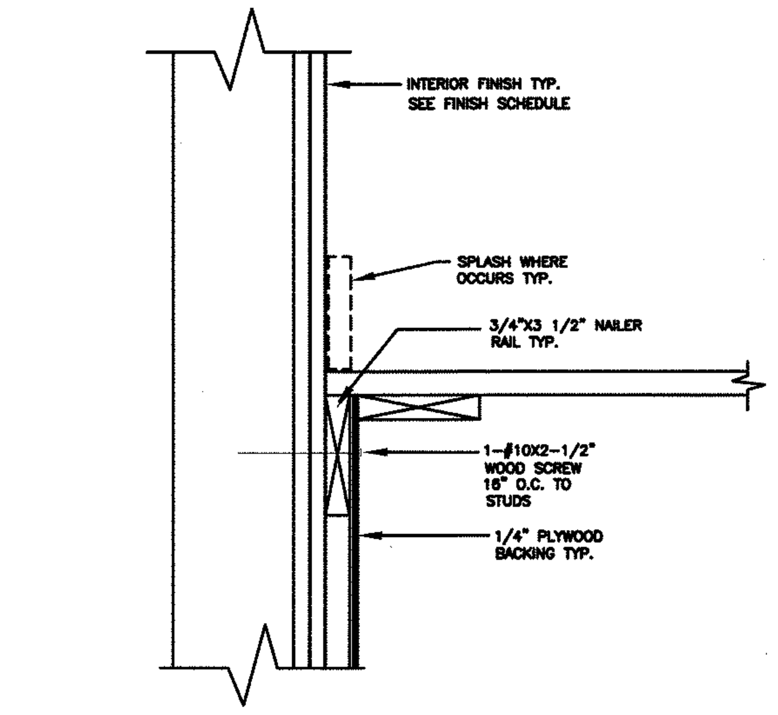


SECTION VIEW

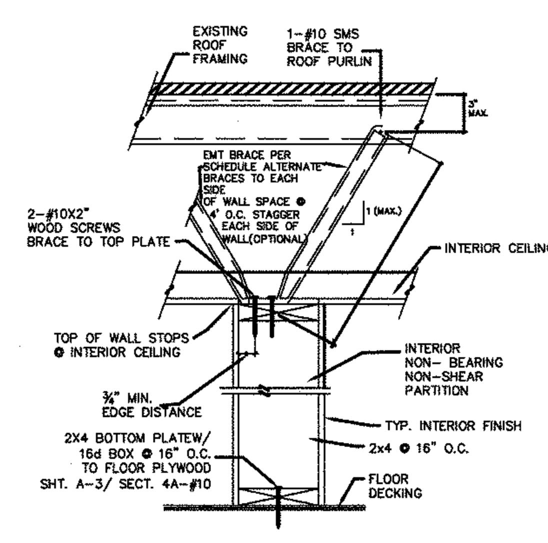
ACCESSIBLE CLEARANCES:WIC 155 — 5 / A-4

3/4"=1'-0"



CABINET MOUNTING — 1 / A-4

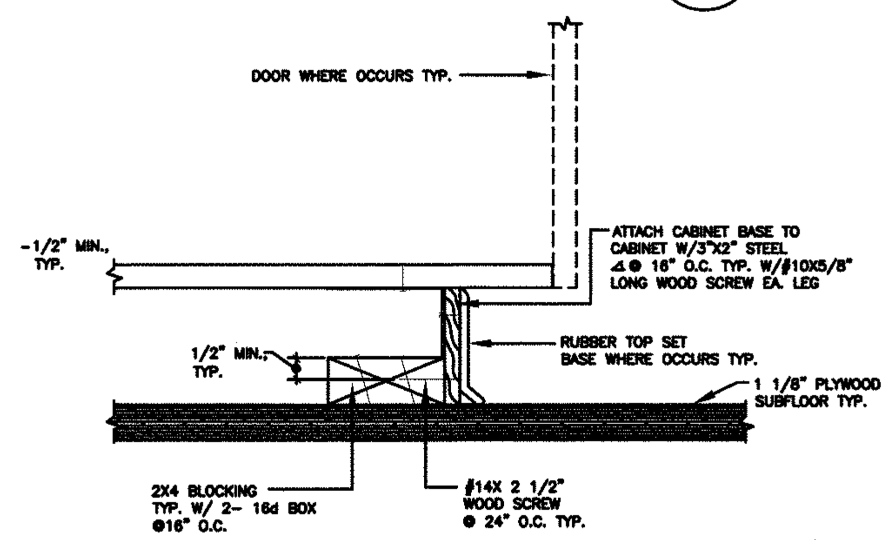
3"=1'-0"



EMT	OD	THICKNESS	MAX. LENGTH
½"	0.59"	0.045"	3'-2"
¾"	0.992"	0.045"	3'-2"

INTERIOR PARTITION BRACING (BRACES PARALLEL TO ROOF PURLINS) — 6 / A-4

1/4"=1'-0"

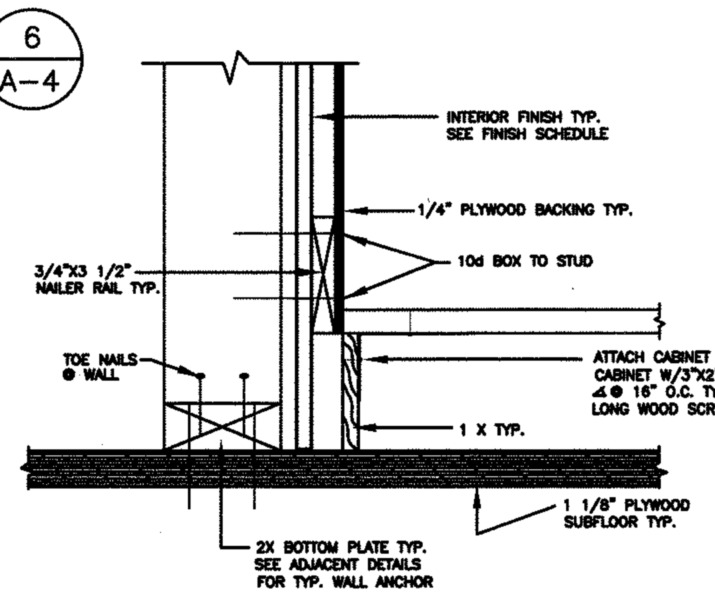


CABINET BASE — 2 / A-4

3"=1'-0"

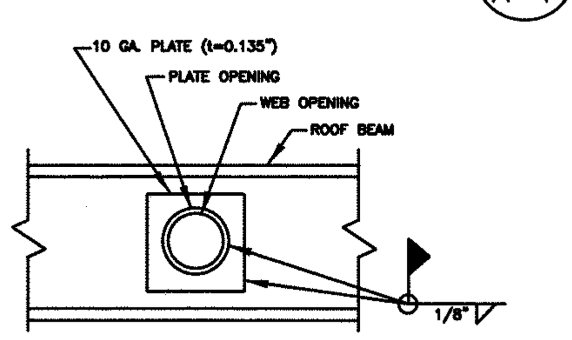
NOT USED — 7 / A-4

1/4"=1'-0"



CABINET BOTTOM @ WALL — 3 / A-4

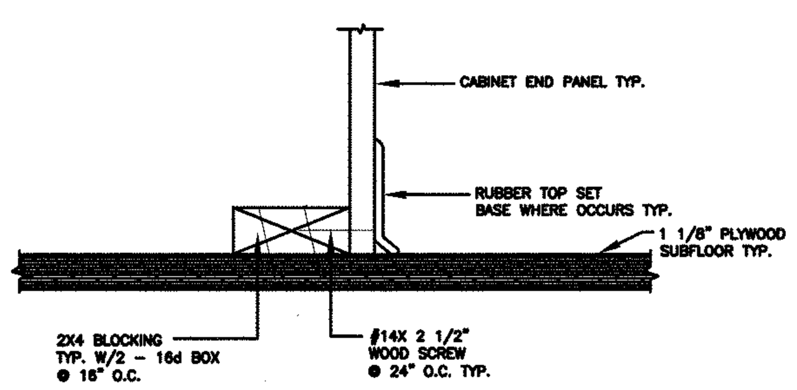
3"=1'-0"



WEB OPENING	PLATE SIZE	PLATE OPENING
6"ø	12"X12"	6 1/4"ø
8"ø	14"X14"	8 1/4"ø
10"ø	16"X16"	10 1/4"ø

OPTIONAL BEAM PENETRATION — 8 / A-4

NTS



CABINET BASE @ END PANEL — 4 / A-4

3"=1'-0"

GENERAL SPECIFICATIONS

SECTION 1A

1. GENERAL

A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENTS APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH SECTION.

B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS.

2. SCOPE OF WORK

A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT, AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDING AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.

B. ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS (CCR) RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION, WELDING, MECHANICAL AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICT.
3. ON SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY OF THE BUILDING INSTALLATION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. COST OF THESE INSPETIONS/TESTS SHALL BE BORNE BY THE SCHOOL DISTRICT.

3. WORK NOT INCLUDED

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.

B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS, WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

C. FIRE ALARM SYSTEM, FIRE EXTINGUISHER, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

4. WHEELS AND HITCH

SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. ACCESSIBILITY OF SITE

THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF THE BUILDING. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS, ETC. NECESSARY FOR MOVE-IN AND REMOVAL OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 2A SITE ASSEMBLY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.

THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

2. ASSEMBLY OF ELEMENTS

A. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING.

B. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHING, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER PLANS AND DETAILS OF THE ORIGINAL MANUFACTURER'S DRAWINGS.

SECTION 3A CARPENTRY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.

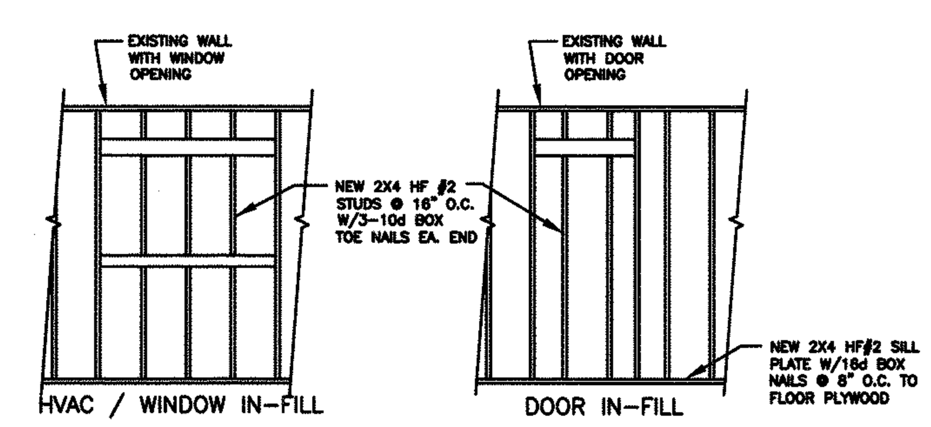
2. WORKMANSHIP

A. FRAMING- SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.

B. NAILING- IN ACCORDANCE WITH TITLE 24 CCR- TABLE 2304.10.1. NAILS SHALL BE CORROSION RESISTANT BOX NAILS.

C. MACHINE APPLIED NAILING- SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY DSA FIELD INSPECTOR AND THE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUES SATISFACTORY PERFORMANCE. PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8". IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.

D. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING.



INFILL DETAILS @ EXISTING WALL — 9 / A-4

3"=1'-0"

SECTION 4A MATERIAL SPECIFICATIONS

1. STRUCTURAL FRAMING SHALL BE HEM FIR - GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES NO. 16 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS. (HEM FIR SOUTH IS NOT ALLOWED.) EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW GRADES INDICATED.
ALL FRAMING EXCEPT AS NOTED HEM FIR NO. 2.
2. PLYWOOD SHALL BE AS SHOWN ON THESE DRAWINGS WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD DOC PS 1-07 OR DOC PS-04.
ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX AS SHOWN ON DRAWINGS. USE 4'x8' PANELS, MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE MINIMUM PANEL DIMENSION SHALL BE 24" AT ROOFS AND FLOORS AND 12" AT WALLS.
3. BOLTS FOR TIMBER CONNECTIONS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1-2012 AND 2015 EDITION OF THE NDS. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). BOLT HOLES SHALL BE 1/32 TO 1/16 INCH LARGER THAN BOLT DIAMETER. RE-TIGHTEN BOLTS BEFORE CLOSING IN WORK. BOLTS SHALL BE FULL BODY STEEL BOLTS WITH MINIMUM YIELD STRENGTH OF 45,000 PSI
4. LAG SCREWS SHALL BE STEEL AND CONFORM TO ANSI/ASME STANDARD B18.2.1 AND THE REQUIREMENTS OF THE 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS). HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER. ONE QUARTER INCH (1/4") DIAMETER LAG SCREWS NEED NOT HAVE PRE-DRILLED HOLES IF IT CAN BE SHOWN THAT THE WOOD MEMBERS ARE NOT DAMAGED DURING INSTALLATION. PROVIDE FULL DIAMETER BODY LAG SCREWS WITH BENDING YIELD STRENGTHS PER TABLE 12J AND 12K IN NDS.
5. PROVIDE MALLEABLE IRON WASHERS OR EQUIVALENT CUT PLATE WASHERS (NOT LESS THAN A STANDARD CUT WASHER) UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD.
6. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1 AND THE REQUIREMENTS OF THE 2015 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER OR USED IN FOUNDATIONS. SCREWS SHALL BE STEEL WITH CUT THREADS AND BENDING YIELD STRENGTHS PER TABLES 12L AND 12M IN NDS.
7. WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON STRUCTURAL DRAWINGS.
8. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
9. STRUCTURAL NAILING SHALL BE WITH BOX NAILS PER ALL REQUIREMENTS OF 2015 NDS. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CCR TITLE 24, PART 2, TABLE 2304.9.1. ALL NAILS SHALL BE GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER, IN FOUNDATIONS AND AS NOTED ON PLANS, PER THE REQUIREMENTS OF CCR TITLE 24, PART 2, WITH MINIMUM BENDING YIELDS PER TABLE 12N, 12P, 12Q AND 12R IN NDS. (SEE NAIL EQUIVALENCE BELOW.)
10. NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR SPECIFIED PENETRATION, TYP. U.O.N.)
6d EQUALS .113" DIA. - PROVIDE 1.36" MIN POINT PENETRATION
8d EQUALS .131" DIA. - PROVIDE *1.57" MIN POINT PENETRATION
10d EQUALS .148" DIA. - PROVIDE *1.78" MIN POINT PENETRATION
16d EQUALS .162" DIA. - PROVIDE *1.94" MIN POINT PENETRATION
* 1 1/2" AT 2x MEMBERS
11. PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303.1.9, CCR TITLE 24, PART 2. PROVIDE QUALITY MARK ON ALL TREATED FOUNDATION MEMBERS. PRESSURE TREATED WOOD AND IDENTIFICATION MUST COMPLY WITH CBC 2303.1.9.1. ALL FOUNDATION MEMBERS SHALL BE MARKED AS "FOR GROUND CONTACT (UC4A)" OR "FOR ABOVE GROUND USE (UC3A OR UC3B)" AS APPROPRIATE. TREAT ALL CUT ENDS OF PRESSURE TREATED MEMBERS WITH AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED EQUIVALENT). WHERE NOTED, MEMBERS BELOW THE SUB FLOOR THAT ARE NOT A PART OF THE FOUNDATION SHALL BE PRESSURE TREATED PER AWPA STANDARD UI.
12. ONLY MATERIAL IN CONTACT WITH GROUND NEEDS TO BE PRESSURE TREATED, ALL OTHER FOUNDATION LUMBER CAN BE DF OR HF#2 OR EQUAL.
13. IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OR ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.
14. FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL COMPLY WITH SEC. 2304.10 OF CBC.
15. NAILS AND SPIKES USED IN WET OR EXTERIOR LOCATIONS SHALL COMPLY WITH SEC. 2304.10.5.1 OF CBC.
16. SHIM MATERIAL SHALL BE PLYWOOD CD EXP 1 OR EQUAL (NOT P.T.).
17. USED LUMBER IN GOOD CONDITION IS ACCEPTABLE FOR USE IN FOUNDATION SYSTEM.

SITE INSTALLATION REQUIREMENTS CLAUSE:

SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS. IN THE CASE OF EQUIPMENT LOCATED IN THE STATE OF CALIFORNIA, THE LESSEE IS RESPONSIBLE FOR THE SITE BEING CLEARED (FREE OF GRASS, SHRUBS, FROM TREES, ETC.) AND GRADED TO WITHIN 4 1/2" OF LEVEL GRADE FOR EACH BUILDING. IF THE SITE EXCEEDS THE 4 1/2" REQUIREMENT ADDITIONAL COSTS MAY BE CHARGED TO LESSEE. UNDER NO CIRCUMSTANCES SHOULD THE SITE BE GREATER THAN 9" FROM LEVEL GRADE OR HAVE LESS THAN A 1000 PSF MINIMUM SOIL BEARING PRESSURE. PRIOR TO DELIVERY, THE LESSEE SHALL MARK THE FOUR CORNERS OF THE BUILDING ON THE SITE, INCLUDING THE DOOR LOCATION. SHOULD SPECIAL HANDLING BE REQUIRED TO EITHER PLACE, INSTALL OR REMOVE THE CLASSROOM ON THE LESSEE'S SITE DUE TO SITE OBSTRUCTIONS SUCH AS FENCING, LANDSCAPING, OTHER CLASSROOMS, ETC., ADDITIONAL COSTS WILL BE CHARGED TO LESSEE.

TEST AND INSPECTIONS:

1. PROVIDE ELECTRICAL GROUNDING TEST PER DSA IR E-1
2. NO OTHER TESTS AND INSPECTIONS ARE REQUIRED.

STRUCTURAL NOTES

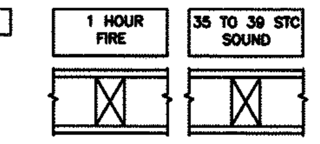
1. BUILDING CODE:
A. ALL WORK SHALL COMPLY AND CONFORM TO THE REQUIREMENTS OF THE 2016 CALIFORNIA BUILDING CODE WITH LATEST AMMENDMENTS.
B. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO STARTING WORK, AND REPORT ANY DISCREPANCIES TO THE OWNER.
2. STURCTURAL STEEL:
A. ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.
B. TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B.
3. LIGHT GAGE STEEL:
ALL LIGHT GAGE STEEL SHALL CONFORM TO ASTM A1011SS GRADE 33
4. BOLTS:
ALL COMMON BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.
5. WELDING:
ALL STRUCTURAL WELDING SHALL BE BY "ELECTRIC ARC PROCESS" PER A.W.S. STANDARD CODE FOR ARC & GAS WELDING IN BUILDING CONSTRUCTION. ALL
LT. GAGE STEEL (SHEET STEEL) SHALL BE WELDED PER A.W.S. D1.3-81. ALL REINFORCED STEEL SHALL BE WELDED WITH LOW HYDROGEN RODS PER A.W.S. D1.4-79, OR REINFORCING STEEL SHALL CONFORM TO ASTM A-706. ALL SHOP WELDING MUST BE PERFORMED BY "APPROVED" WELDERS IN A SHOP OF A LICENSED FABRICATOR. ALL FIELD WELDING SHALL BE PERFORMED BY "APPROVED" WELDERS. ELECTRODES SHALL BE E70XX FOR STRUCTURAL STEEL & REBAR & SHALL BE E60XX FOR LT. GAGE STEEL.

GA FILE NO. WP 3514	GENERIC	1 HOUR FIRE	35 TO 39 STC SOUND

GYPSUM WALLBOARD, WOOD STUDS

ONE LAYER 5/8" TYPE X GYPSUM WALL BOARD OR GYPSUM VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 2X4 WOOD STUDS 16" O.C. WITH 1 1/4" TYPE W DRYWALL SCREWS 12" O.C.

JOINTS STAGGERED 16" ON OPPOSITE SIDES. (LOAD-BEARING)



THICKNESS: 4 3/4"
APPROX. WEIGHT: 7 psf
FIRE TEST: SWRI 01-4511-619(1), 3-94
SOUND TEST: SEE WP 3520 (G&H NG-246FT,7-2-65)

ONE HOUR RATED WALL — 10 / A-4

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVALS

DATE SIGNED AUG 31 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-117462
AC FLS SS
DATE: SEP 26 2018

REVISIONS | BY

EXL STRUCTURAL ENGINEERS, INC.

NOTES\DETAILS

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

DRAWN
CHECKED
DATE 15 JUNE 2018
SCALE
JOB NO.

A-4

OF 25 SHEETS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

MOBILE MODULAR UNIVERSAL ARCHITECTURAL MODIFICATIONS SHEET A-3.DWG

1 FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WAINSCOT	WALL FINISH FRONT	REAR	RIGHT	LEFT	CEILING TYPE	CEILING FINISH	CEILING HEIGHT	REMARKS
	CLASSROOM	CPT	B4	–	VTB	VTB	VTB	VTB	AC	FF	8'–6"	
	LOCKER ROOM AND OFFICE	SV	B4	-	VTB	VTB	VTB	VTB	AC	FF	8'-6"	

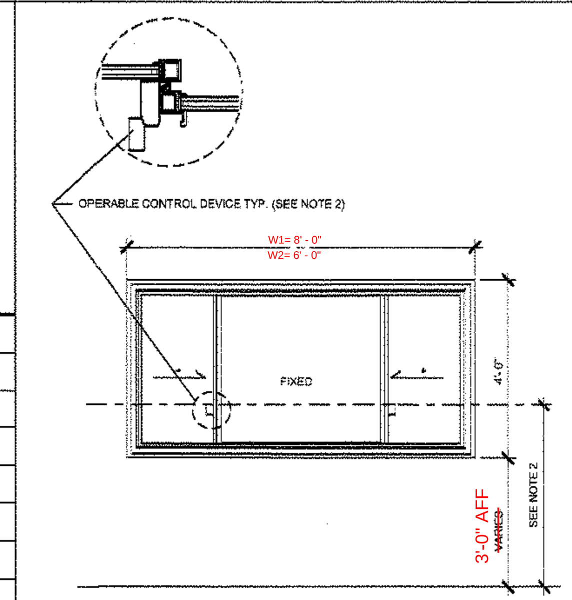
2 WINDOW SCHEDULE

WIN. NO.	SIZE (WxH)	TYPE	HDR. HGT.	REMARKS
W1	8'–0" x 4'–0"	A	7'–0"	WITH INSECT SCREEN
W2	6' - 0" X 4' - 0"	A	7' - 0"	
W3				
W4				
W5				
W6				
W7				

WINDOW FRAMES SHALL BE ANODIZED ALUMINUM W/ 3/16" TEMPERED, DUAL GLAZE, SOLAR GREY TINT W/ LIGHT TRANMISION FACTOR O F46%

OPTION: 1. HIGH PERFORMANCE EMISSIUITY GLASS – "LOW E"

3 WINDOW TYPES



NOTES:

1. WINDOW LOCATION MAY VARY BASED ON PROJECT REQUIREMENTS.
2. OPENING MECHANISM MUST COMPLY w/ CBC SECTIONS:
   - 11B-308 REACH RANGES
   48" MAX. AFF, WHERE FOWARD REACH IS UNOBSTRUCTED OR 44" MAX W/OBSTRUCTION;
   48" MAX. AFF, WHERE SIDE REACH IS UNOBSTRUCTED OR 46" MAX W/OBSTRUCTION;
   - 11B-309 OPERABLE PARTS - THE MECHANISM CANNOT REQUIRE TIGHT GRASPING PINCHING OR TWISTING OF THE WRIST 5LBS MAX FORCE TO OPERATE WINDOW LATCH & TO PUSH/PULL WINDOW.
3. IF NOT EQUIPPED WITH AUTOMATIC SPRINKLER SYSTEMS AND METAL GRILLS ARE ON THE WINDOW OPENING MUST BE EQUIPPED WITH A RELEASE MECHANISM. TYP ALL WINDOWS - SEE 2016 CBC 442.1.5 SPECIAL HAZARDS.

WINDOW - 3/4" INSULATING GLASS UNIT PERFORMANCE
U-VALUE : 0.35
SHGC : 0.24
VT : 0.5

ABBREVIATIONS:
DP - DUAL PANE
T - TEMPERED GLASS

4 FINISH LEGEND

INTERIOR FINISH SPECIFICATIONS

		ITEM	DESCRIPTION
FLOOR	[ ]	CPT	CARPET (SEE SPEC.)
FLOOR	[ ]	SV	SHEET VINYL (SEE SPECS.)
FLOOR	[ ]	VCT	1/8"x12"x12" VINYL COMPOSITION TILE, ARMSTRONG OR EXCELON
FLOOR	[ ]	B1	CERAMIC TILE
BASE	[ ]	B1	CERAMIC TILE
BASE	[ ]	B4	4" RESILIENT TOP SET BASE
BASE	[ ]	B6	6" RESILIENT TOP SET BASE
WALLS	[ ]	GB	1/2" GYP. BD.
WALLS	[ ]	VTB	1/2" VINYL COVERED TACK BOARD OVER 1/2" GYP. BOARD BACKING.
WALLS	[ ]	VGB	1/2" VINYL COVERED GYP. BD. OVER 1/2" GYP. BOARD BACKING.
WALLS	[ ]	GBW	1/2" GYP. BD. – WATER RESISTANT
WALLS	[ ]	FRP	3/32" FIBERGLASS REINFORCED PANEL OVER 1/2" MOISTURE RESISTANT GYP. BD.
CLG	[ ]	GBX	5/8" GYP. BD. – TYPE 'X'
CLG	[ ]	AC	ACCOUSTICAL CEILING

5 DOOR SCHEDULE

DOOR NO.	DOOR OPENING SIZE (WxH)	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLAZING	FRAME MATERIAL	FRAME FINISH	HARDWARE GROUP	REMARKS
1	3'–0" x 7'–0"	A	HM	PT	–	HKD	PT	1	THRESHOLD DETAIL 5/S-2. EXTERIOR DOORS AND CLASSROOM CLOSET ROOMS ONLY.
2	3'–0" x 7'–0"	B/C	HM	PT	–	HKD	PT	3	FOR ALL INTERIOR DOORS, PROVIDE DOOR TYPE B OR C PER DISTRICT DECISION.
3	3' - 0" X 7' -0"	A	HM	PT	-	HKD	PT	3	CLASSROOM CLOSET ROOMS ONLY.
4									
5									
6									
7									
8									
9									

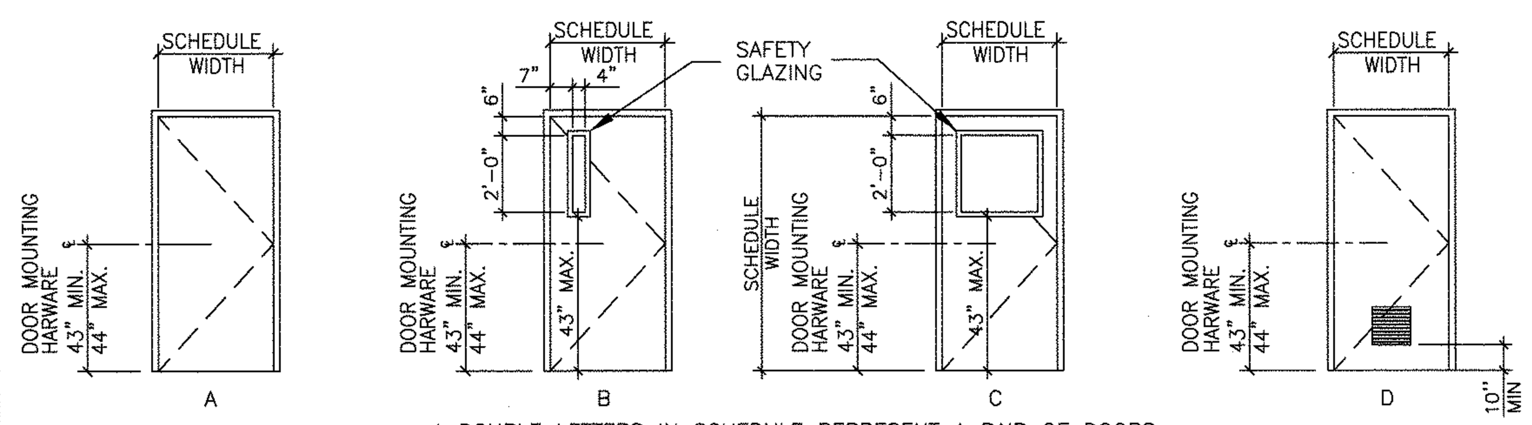
6 DOOR TYPES

AL – ALUMINUM STOREFRONT
CG – CLEAR GLASS
FG – FIRE RATED GLASS
HC – HOLLOW CORE
HCL – HOLLOW CORE LEGACY
HKD – HOLLOW METAL KNOCK DOWN (16 GA.)
HM – NON RATED HOLLOW METAL (18 GA.)
HM–20 – 20 MIN. RATED HOLLOW METAL
HM–45 – 45 MIN. RATED HOLLOW RATED
SCL – SOLID CORE LEGACY
TG – TEMPERED GLASS
TWG – ALUMINUM STOREFRONT
SC–NR – SOLID CORE NON RATED PAINT
SC–20 – 20 MIN. SOLID CORE
SC–45 – 45 MIN. SOLID CORE
PT – PAINT

7 EXTERIOR FINISH

MATERIAL	DESC.	SPECIFICATION
SIDING	[ ]4' x 9' x 5/8"	APA RATED OR EQUAL, GROUP 1, TYPE 303 EXTERIOR SIDING
STUCCO FINISH	[ ] CEMENT PLASTER	7/8" CEMENT PLASTER (STUCCO) EXTERIOR FINISH.
ROOFING	[ ] 26 GA. METAL	METAL ROOFING TO BE 26 GA. INTERLOCKING PANELS WITH STANDING SEAM. STEEL DECK SHALL BE GALVANIZED
ROOFING	[ ] 22 GA. METAL	METAL ROOFING TO BE 22 GA. INTERLOCKING PANELS WITH STANDING SEAM. STEEL DECK SHALL BE GALVANIZED

8 DOOR LEGEND



* DOUBLE LETTERS IN SCHEDULE REPRESENT A PAIR OF DOORS

9 DOOR NOTES

1. ALL DOORS SHALL BE 1 3/4" THICK, U.N.O.
   A. ALL EXIT DOORS SHALL BE OPENABLE FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE
   B. ALL DOOR SWINGS SERVING AN OCCUPANT LOAD OF 50 OR GREATER SHALL SWING IN THE DIRECTION OF EXIT.
2. ALL SIGNAGE TO BE SUPPLIED AND INSTALLED BY DISTRICT
3. DOORS WITH CLOSURES SHALL NOT EXCEED THE FOLLOWING OPERATING PRESSURE:
   INTERIOR DOORS – 5 POUNDS
   EXTERIOR DOORS – 5 POUNDS
   FIRE DOORS – THE MAXIMUM OPENING FORCE ALLOWABLE BY THE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS
4. ALL HARDWARE ON DOORS SERVING AREAS ACCESSIBLE TO THE HANDICAPPED SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER DEVICE OR PANIC BAR.
5. PANIC HARDWARE TO BE MOUNTED 36" TO 44" FROM FINISH FLOOR
6. DEADBOLT LOCKS ARE NOT ALLOWED
7. ACCESSIBLE THRESHOLD 5/S–1
8. ROOMS WITH OCCUPANT LOAD GREATER THAN 5 ON K–12 PROJECTS REQUIRE COMPLIANCE WITH CBC 1010.1.11 FOR CLASSROOM SECURITY

10 HARDWARE GROUPS

NOTE:
ROOMS WITH OCCUPANT LOAD GREATER THAN 5 ON K–12 PROJECTS REQUIRE COMPLIANCE WITH CBC 1010.1.11 FOR CLASSROOM SECURITY

HARDWARE GROUP #1 (ENTRY)
LOCKSET – TELL Mfg. LC12110CTL 26D 234 A SCC (OR EQUAL)
BUTTS – 1 1/2 PAIR HAGER BB1279 4–1/2" X 4–1/2" NRP 26D (OR EQUAL)
CLOSER – NORTON 1601 BFDP (OR EQUAL)
THRESHOLD – PEMKO 271A OR EQUAL.
DOOR BOTTOM – PEMKO 216AV OR EQUAL.
WEATHER–STRIP – PEMKO 299AV OR EQUAL.

HARDWARE GROUP #2 (PASSAGE)
LOCKSET – TELL Mfg. LC1275CTL 26D 234 A SCC (OR EQUAL)
BUTTS – 1 1/2 PAIR HAGER BB1279 4–1/2" X 4–1/2" NRP 26D (OR EQUAL)

HARDWARE GROUP #3 (OFFICE)
LOCKSET – TELL Mfg. LC1282CTL 26D 234 A SCC (OR EQUAL)
BUTTS – 1 1/2 PAIR HAGER BB1279 4–1/2" X 4–1/2" NRP 26D (OR EQUAL)

HARDWARE GROUP #4 (RATED)
LOCKSET – TELL Mfg. LC1282CTL 26D 234 A SCC (OR EQUAL)
BUTTS – 1 1/2 PAIR HAGER BB1279 4–1/2" X 4–1/2" NRP 26D (OR EQUAL)
CLOSER – NORTON 1601 BFDP (OR EQUAL)
SMOKE SEAL – PEMKO S–88 (OR EQUAL)

HARDWARE GROUP #5 (PRIVACY)
LOCKSET – TELL Mfg. LC1276CTL 26D 234 A SCC (OR EQUAL)
BUTTS – 1 1/2 PAIR HAGER BB1279 4–1/2" X 4–1/2" NRP 26D (OR EQUAL)

HARDWARE GROUP #6 (PANIC)
LOCKSET – VON DUPRIN 99–~~X~~–AX–PA (OR EQUAL)
BUTTS – 1 1/2 PAIR HAGER BB1279 4–1/2" X 4–1/2" NRP 26D (OR EQUAL)
CLOSER – NORTON 1601 BFDP (OR EQUAL)
THRESHOLD – PEMKO 271A (OR EQUAL)
DOOR BOTTOM – PEMKO 216AV (OR EQUAL)
WEATHER–STRIP – PEMKO 299AV (OR EQUAL)

APPROVALS

DATE SIGNED
SEP 25 2018

PRE–CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04–117462
AC ___ ~~FLS~~ ___ SS ___
DATE: SEP 2 6 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

REVISIONS | BY

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613–0234
Fax(909) 613–0238

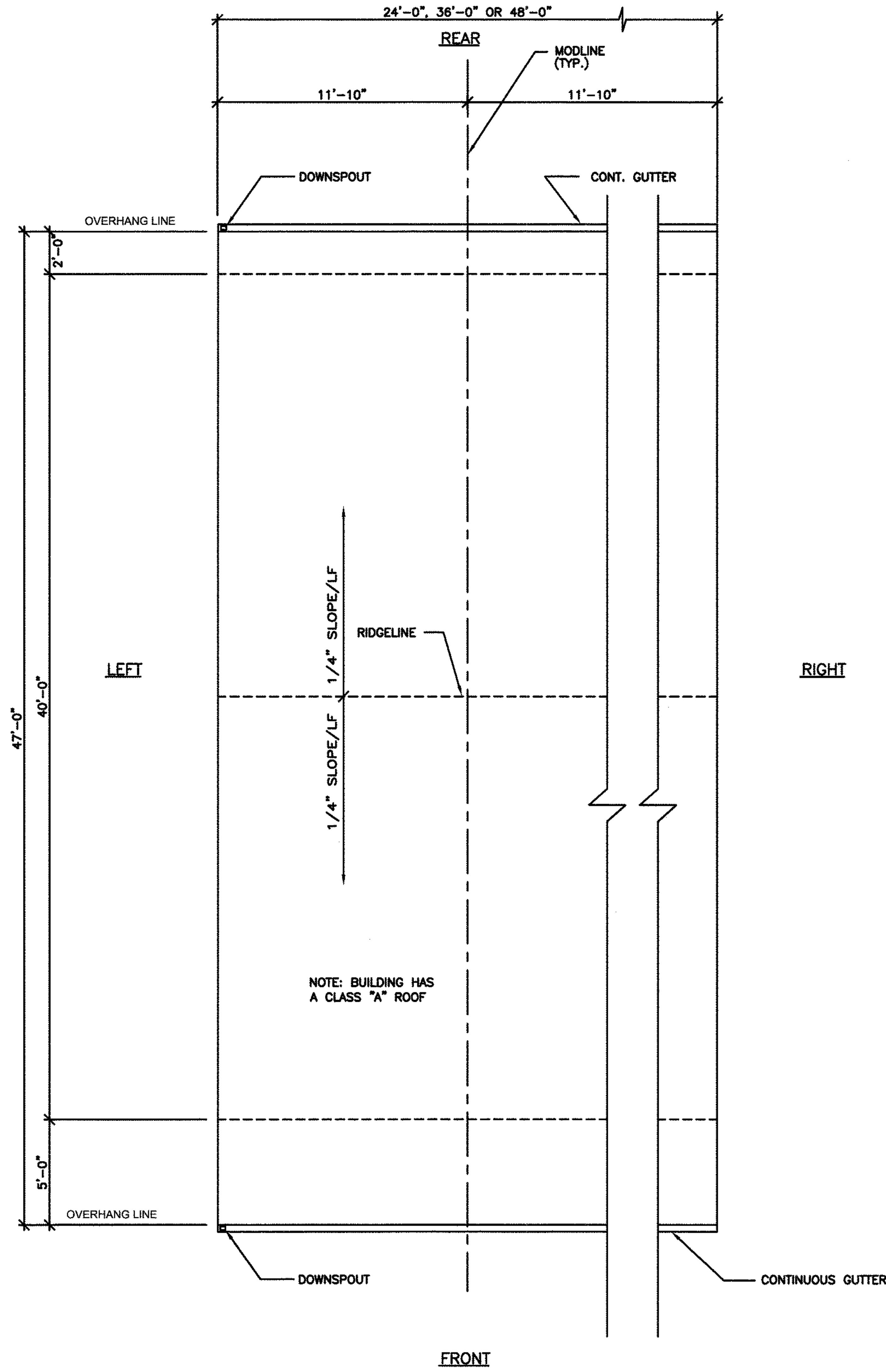
WINDOW, DOOR & FINISH SCHEDULES
MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

DRAWN
CHECKED
DATE 15 JUNE 2018
SCALE
JOB NO.

A—5

OF 25 SHEETS



ROOF PLAN 26 GA DUAL SLOPE – (24'-0", 36'-0" OR 48'-0")

SCALE: 1/4" = 1'-0"

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVALS

JAMES T. SIMPSON
No. 3602
STRUCTURAL
STATE OF CALIFORNIA
DATE SIGNED
AUG 3 1 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-117462
AC FLS SS
DATE: SEP 26 2018

REVISIONS	BY

EXL STRUCTURAL ENGINEERS, INC.
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CHINO, CALIFORNIA 91710
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(909) 613-0234
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ROOF PLAN

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

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DATE
15 JUNE 2018
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JOB NO.

A–6

OF 25 SHEETS

MOBILE MODULAR UNIVERSAL ARCHITECTURAL MODIFICATIONS SHEET A-3.DWG

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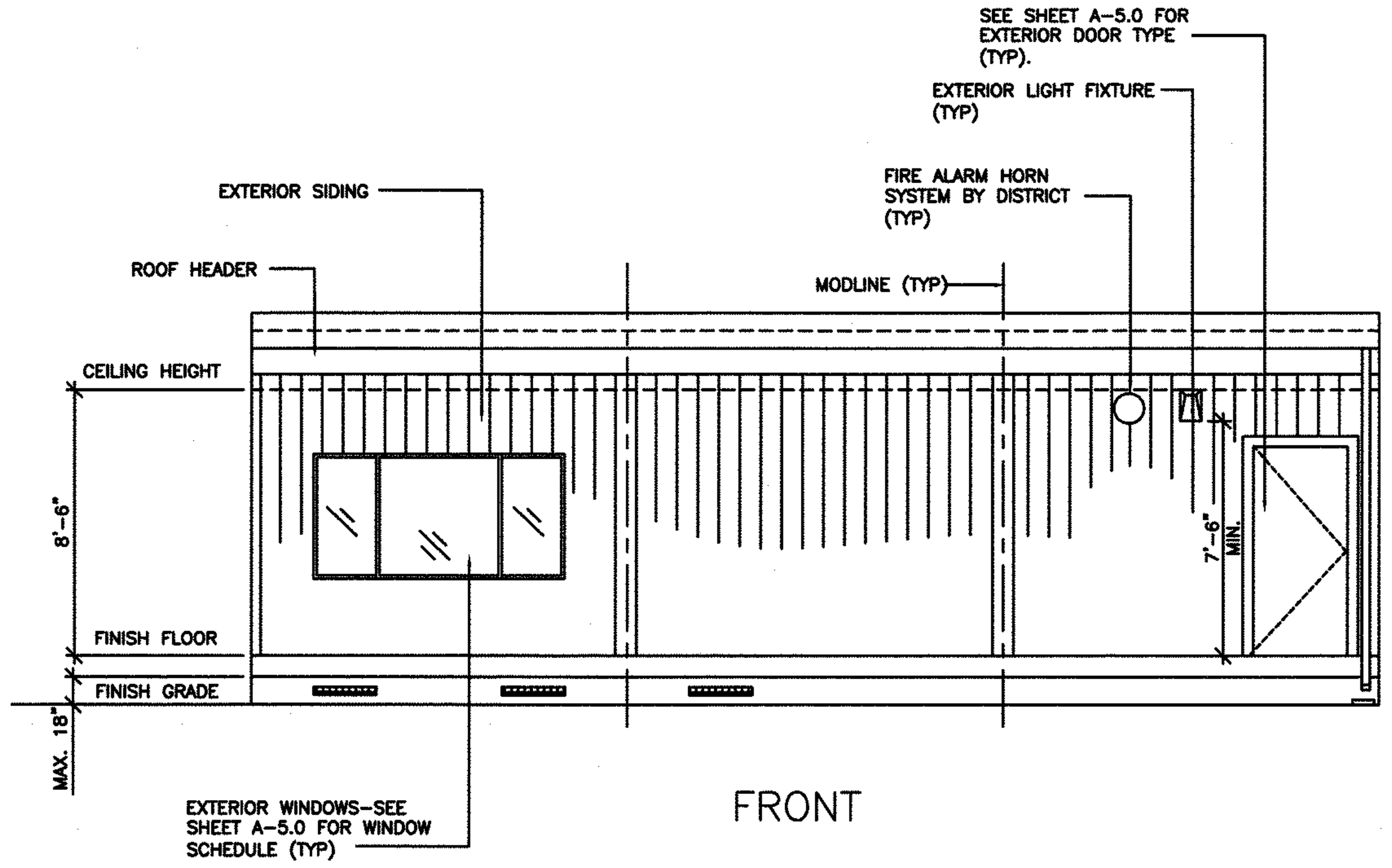
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020



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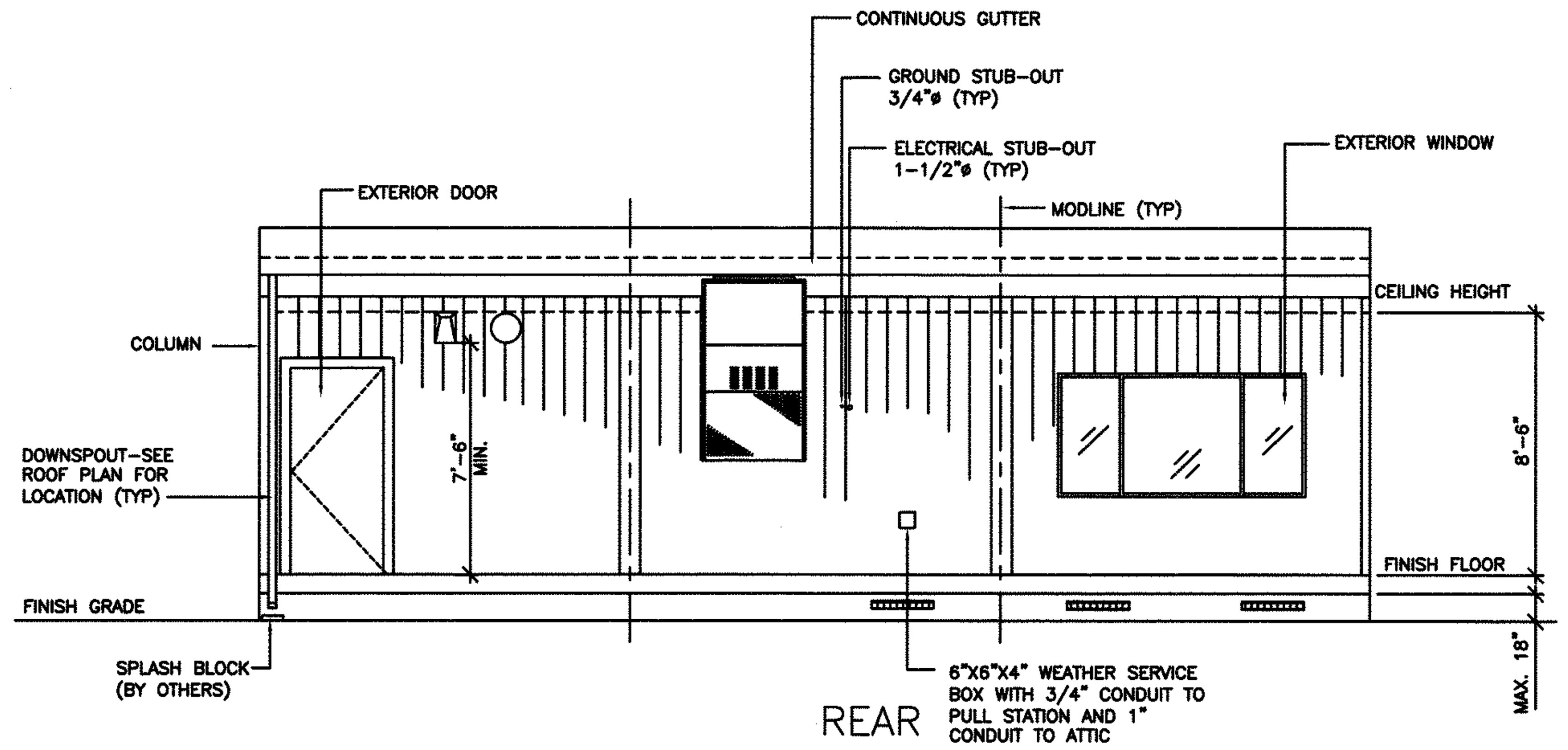
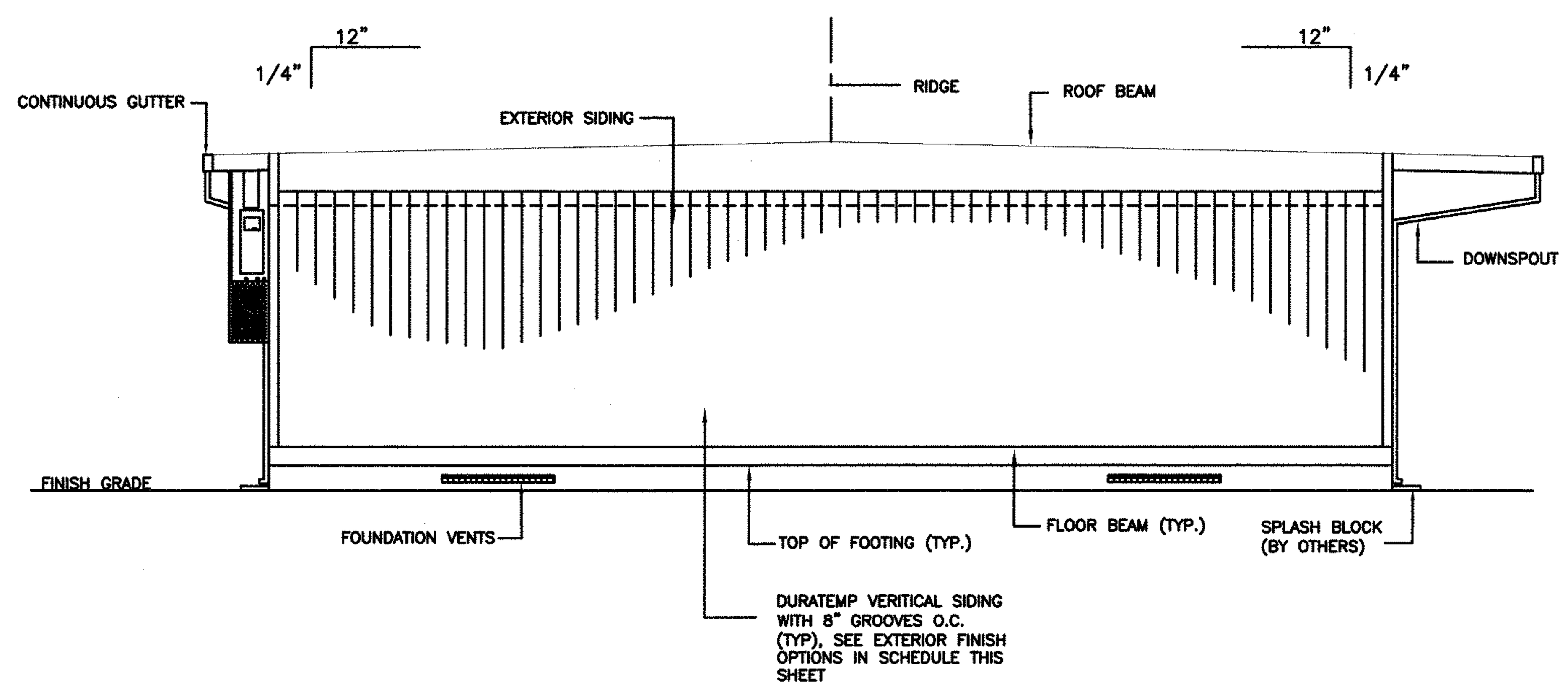
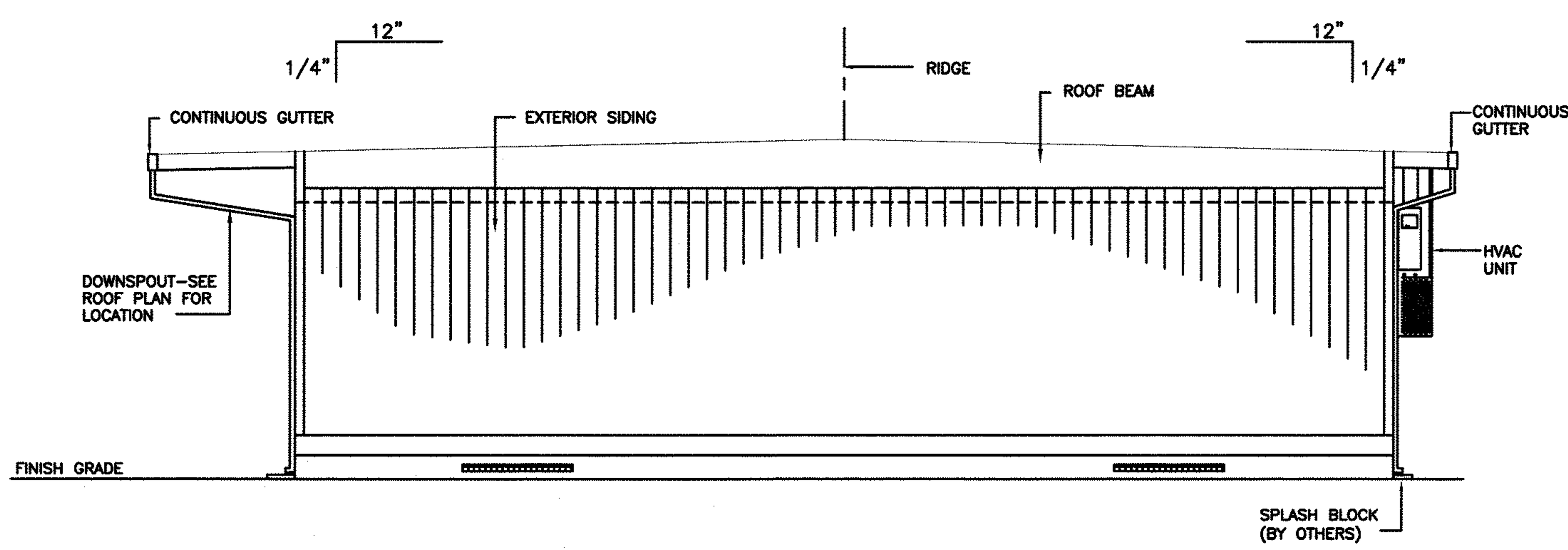


REAR



LEFT SIDE



RIGHT SIDE

EXTERIOR FINISH OPTION SCHEDULE

1. L.P. SMART PANEL WITH 8" GROOVES O.C. AND 4"X4" TRIM
2. HARDIPANEL-"SIERRA" FIBROUS CEMENT BOARD WITH 8" GROOVES O.C.
3. HARDIPANEL-"STUCCO" VERTICAL FIBROUS CEMENT BOARD
4. 1/8" ELASTOMERIC ACRYLIC STUCCO OVER 5/16" FIBROUS CEMENT BOARD
5. EXTERIOR GRADE PLYWOOD SUBSTRATE TO ACCEPT STUCCO FINISH BY OTHERS ON SITE
6. DURATEMP PANEL WITH 8" GROOVES O.C. AND 4"X4" TRIM

NOTES

1. VERIFY SITE CONDITIONS AND FOUNDATION TYPE PRIOR TO CONSTRUCTION OF RAMPS AND LANDINGS

2016 CBC TABLE 2304.10.1 FASTENING SCHEDULE

Connections for wood members shall be designed in accordance with the appropriate methodology in Section 2301.2.

The number and size of fasteners connecting wood members shall not be less than that set forth in Table 2304.10.1.

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	
Wood structural panels (WSP), subfloor, roof and interior wall sheathing to framing and particleboard wall sheathing to framing[a]			
		Edges (inches)	Intermediate supports (inches)
Other exterior wall sheathing			
34. $\frac{1}{2}$" fiberboard sheathing[b]	$1\frac{1}{2}$" galvanized roofing nail ($\frac{7}{16}$" head diameter); or $1\frac{1}{4}$" 16 gage staple with $\frac{7}{16}$" or 1" crown	3	6
35. $\frac{25}{32}$" fiberboard sheathing[b]	$1\frac{3}{4}$" galvanized roofing nail ($\frac{7}{16}$" diameter head); or $1\frac{1}{2}$" 16 gage staple with $\frac{7}{16}$" or 1" crown	3	6
Panel siding to framing			
39. $\frac{1}{2}$" or less	6d corrosion-resistant siding ($1\frac{7}{8}$" × 0.106"); or 6d corrosion-resistant casing (2" × 0.099")	6	12
40. $\frac{5}{8}$"	8d corrosion-resistant siding ($2\frac{3}{8}$" × 0.128"); or 8d corrosion-resistant casing ($2\frac{1}{2}$" × 0.113")	6	12

For SI: 1 inch = 25.4 mm.

a. Nails spaced at 6 inches at intermediate supports where spans are 48 inches or more. For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to Section 2305. Nails for wall sheathing are permitted to be common, box or casing.

b. Spacing shall be 6 inches on center on the edges and 12 inches on center at intermediate supports for nonstructural applications. Panel supports at 16 inches (20 inches if strength axis in the long direction of the panel, unless otherwise marked).

c. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the rafter shall be permitted to be reduced by one nail.

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVALS

JAMES T. SIMPSON
No. 3602
STRUCTURAL
STATE OF CALIFORNIA

DATE SIGNED
AUG 3 1 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-117462
AC FLS SS
DATE: SEP 2 5 2018

REVISIONS	BY

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0236

EXTERIOR ELEVATION
36X40 BLDG.

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

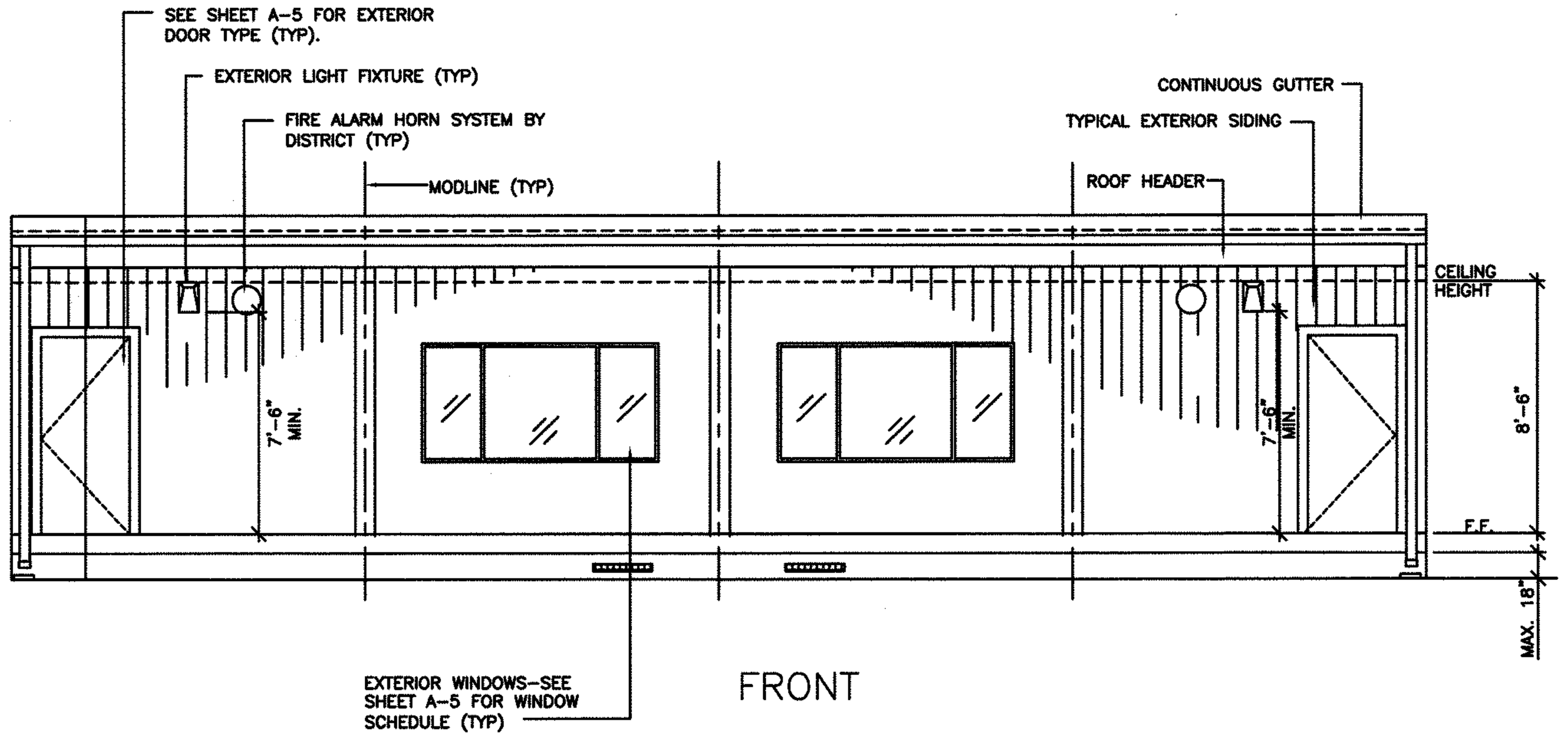
SITE:

DRAWN
CHECKED
DATE 15 JUNE 2018
SCALE N.T.S.
JOB NO.

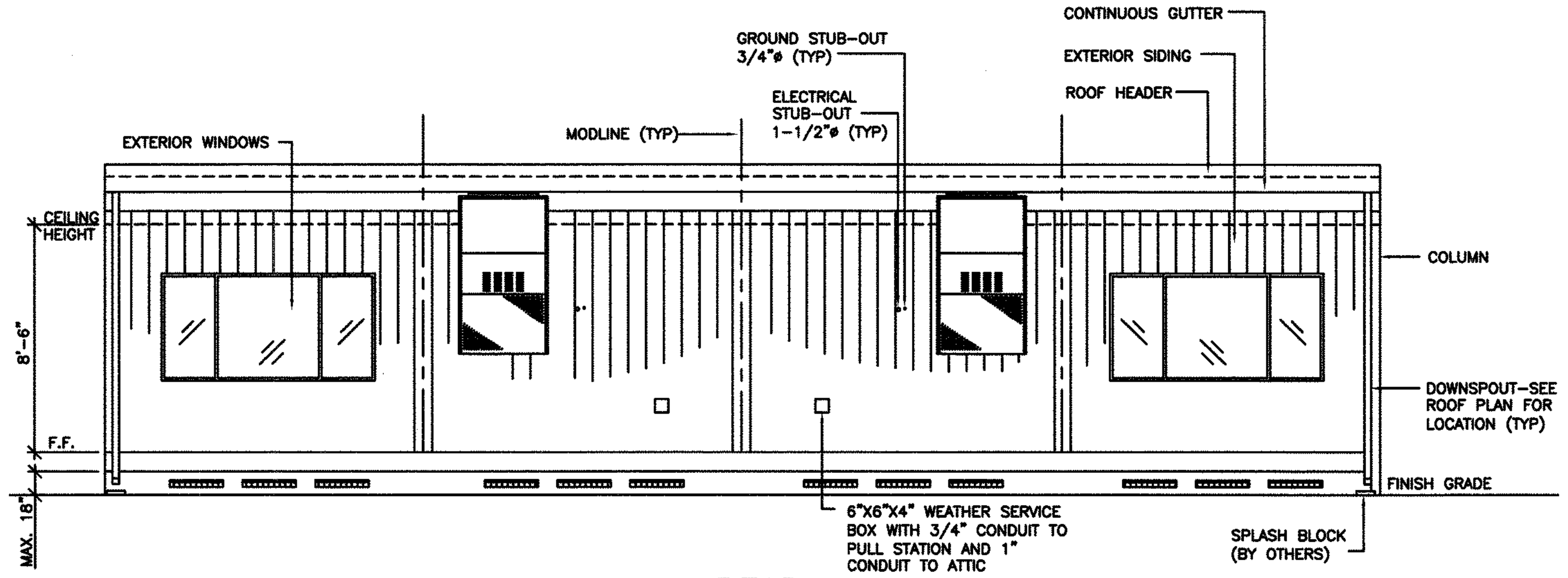
A-8

OF 25 SHEETS

MOBILE MODULAR UNIVERSAL ARCHITECTURAL MODIFICATIONS SHEET A-3.DWG



FRONT



REAR

EXTERIOR FINISH OPTION SCHEDULE

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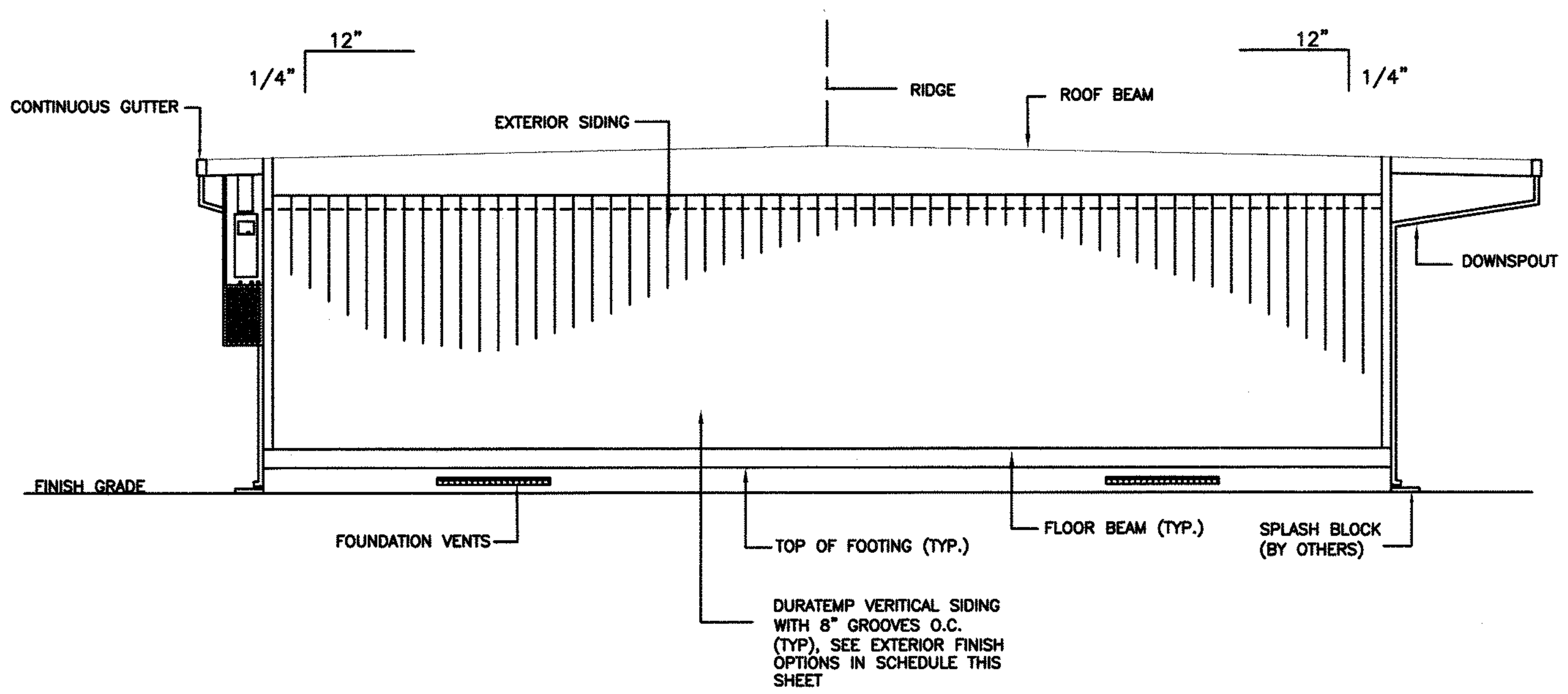
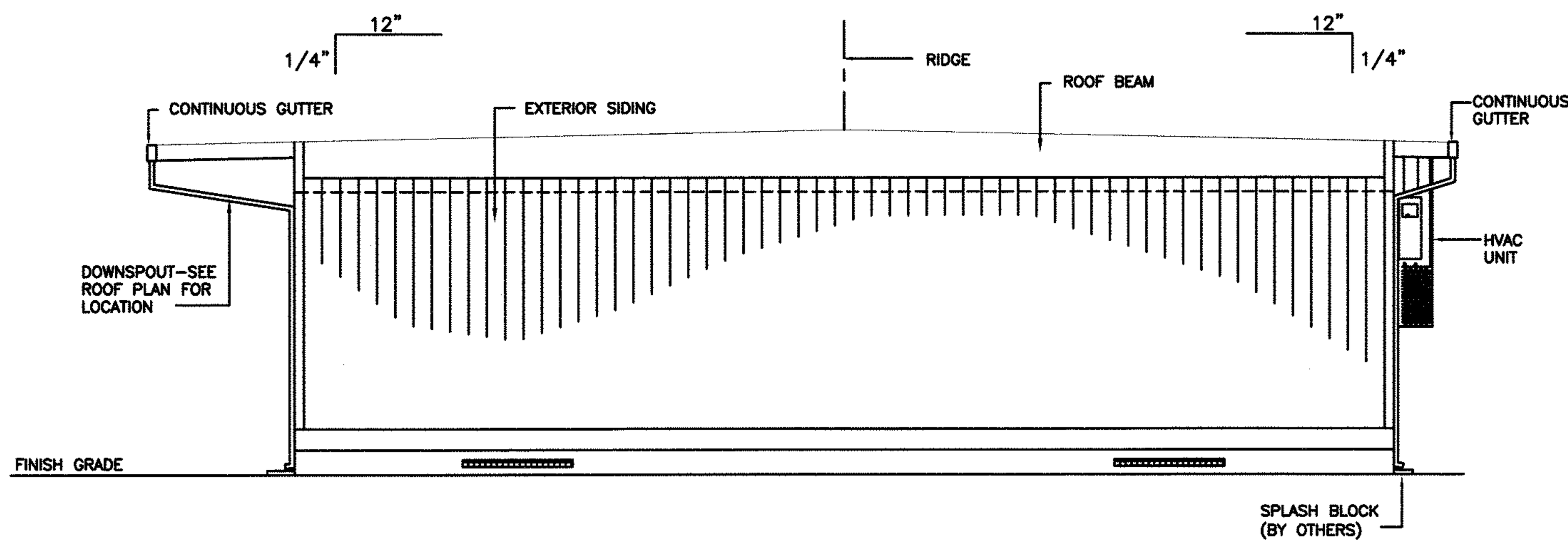
NOTES

1. VERIFY SITE CONDITIONS AND FOUNDATION TYPE PRIOR TO CONSTRUCTION OF RAMPS AND LANDINGS



LEFT SIDE



RIGHT SIDE

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Connections for wood members shall be designed in accordance with the appropriate methodology in Section 2301.2.

The number and size of fasteners connecting wood members shall not be less than that set forth in Table 2304.10.1.

DESCRIPTION OF BUILDING ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING AND LOCATION	
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		Edges (inches)	Intermediate supports (inches)
Other exterior wall sheathing			
34. 1/2" fiberboard sheathing[b]	1 1/2" galvanized roofing nail (7/16" head diameter); or 1 1/4" 16 gage staple with 7/16" or 1" crown	3	6
35. 25/32" fiberboard sheathing[b]	1 3/4" galvanized roofing nail (7/16" diameter head); or 1 1/2" 16 gage staple with 7/16" or 1" crown	3	6
Panel siding to framing			
39. 1/2" or less	6d corrosion-resistant siding (1 7/8" × 0.106"); or 6d corrosion-resistant casing (2" × 0.099")	6	12
40. 5/8"	8d corrosion-resistant siding (2 3/8" × 0.128"); or 8d corrosion-resistant casing (2 1/2" × 0.113")	6	12

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c. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule and the ceiling joist is fastened to the top plate in accordance with this schedule, the number of toenails in the rafter shall be permitted to be reduced by one nail.

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVALS

JAMES T. SIMPSON No. 3602 STRUCTURAL STATE OF CALIFORNIA

DATE SIGNED AUG 31 2018

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC 04-117462
AC FLS SS
DATE: SEP 26 2018

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

REVISIONS | BY

EXL STRUCTURAL ENGINEERS, INC.

EXTERIOR ELEVATION 48X40 BLDG.

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

DRAWN
CHECKED
DATE 15 JUNE 2018
SCALE N.T.S.
JOB NO.

A–9

OF 25 SHEETS

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A

1. GENERAL:
   A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERA REQUIREMENTS APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH SECTION.
   B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD QBALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS.
   C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLE 19, AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE DISTRICT ARCHITECT.
2. SCOPE OF WORK:
   A. THE WORK CONSIST OF MANUFACTURING OFF-SITE IN A PLANT, AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDING AS DEFINED HEREIN AND SHOWN AND DETAILED DRAWINGS.
   B. ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS (C.C.R.) RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
   C. GENERAL RESPOSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
   D. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION, WELDING, MECHANICAL AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICT.
   E. ON SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION TO BE BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
   F. OTHER SPECIAL TEST OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
3. WORK NOT INCLUDED:
   ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
   ALL LEVELING, GRADING OR OTHER SITE PREPERATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS, WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
   FIRE ALARM SYSTEM, FIRE EXTINGUISHER, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
4. WHEELS AND HITCH: (OPTION ONLY)
   SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. ACCESSIBILITY OF SITE:
   THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF THE BUILDING, REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS, ECT. NECESSARY FOR THE MONE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.
6. GENERAL CONSTRUCTION:
   STRUCTURAL FRAMING:
   EACH MODULE SHALL BE DESIGNED AS A MOMENT FRAME STRUCTURE TO WITHSTAND VERTICAL AND HORIZONTAL LOADS AND COMPLY WITH REQUIREMENTS OF THE 2001 CALIFORNIA BUILDING CODE, THE NECESSARY PROVISIONS ARE INCORPORATED IN THE STRUCTURE TO PERMIT THE RELOCATION OF THE STRUCTURAL FRAME IN SECTIONS IN SECTIONS NOT EXCEEDING 12 FEET IN WIDTH.
   FLOOR:
   THE FLOOR SHALL BE STEEL FRAMED WITH A DESIGN LIVE LOAD OF 50 lbs. PER SQUARE FOOT UNLESS OTHER OTHERWISE NOTED ON THE DRAWINGS.
   INSULATION:
   INSULATIONS @ CEILINGS SHALL BE 6" THICK WITH AN "R" VALUE OF 19. INSULATION @ EXTERIOR WALLS & FLOORS SHALL BE 3 1/2" THICK WITH AN "R" VALUE OF 11. INSULATION SHALL BE FORMALDEHYDE FREE & SHALL COMPLY WITH CBC 7073 (CLASS I = 0-25 FLAME SPREAD) SMOKE DEVELOPMENT DENSITY LESS THAN 450. THE INSULATION SUPPORT MATERIAL SHALL IMPEDE MOVEMENT OF THE INSULATION DURING TRANSPORTATION. THE INSULATION & SUPPORT MATERIAL SHALL BE INTACT UPON DELIVERY TO THE SITE & SHALL COMPLETELY COVER THE FLOOR CAVITY.

SECTION 5A STRUCT. & MISC. STEEL

1. SCOPE OF WORK:
   CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND AS SPECIFIED AND INDICATED ON THE DRAWINGS, SERVICES REQUIRED FOR STRUCTURAL AND MISCELLANEOUS STEEL.
2. MATERAIL:
   A. STRUCTURAL STEEL SHAPES - ASTM A-36, OPEN HEARTH OR ELECTRIC FURNANCE ONLY, ALL REGULAR SHAPES AS DESCRIBED IN AISC CONSTRUCTION MANUAL, UNLESS OTHERWISE NOTED.
   B. COLD FORMED LIGHT GUAGE STEEL - ASTM A-570 GRADE 33, MINIMUM YIELD 33,000 PSI.
   C. STRUCTURAL PIPE - ASTM A-53 MIN. YIELD OF 35,000 PSI. STRUCTURAL TUBING - ASTM A-500 MIN. YIELD OF 46,000 PSI.
   D. BOLT MATERIAL - BOLTS AND NUTS, AMERICAN STANDARD REGULAR, AS DETAILED IN AISC CONSTRUCTION MANUAL, FABRICATED FROM STRUCTURAL QUALITY STEEL, ASTM A-307.
   E. ARC-WELDING ELECTRODES - CLASS E-70 SERIES FOR WELDING A-36 STEEL TO A-36 AND E-60 SERIES FOR WELDING A-570 STEEL TO A-36, CONFORMING TO REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF AMERICAN WELDING SOCIETY, LATEST EDITION.
3. WORKMANSHIP:
   A. GENERAL - ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLES 24 OF THE CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON STEEL STRUCTURAL MEMBERS.
   B. WELDING - ALL WELDING DONE BY SHIELDING ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH THE AMERICAN WELDING SOCIETY. WELDING DONE BY QUALIFIED OPERATORS IN ACCORDANCE WITH AWS D1.1
   C. ERECTION - STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDING AS INDICATED ON THE DRAWINGS.
   D. HANDRAILS - FABRICATED AS DETAILED, WELDS GROUND SMOOTH.
   E. NAILS, BOLTS, SCREWS, NUTS, ETC. - FOR EXTERIOR WORK SHALL BE CADIUM PLATED OR GALVANIZED.
   F. SHOP PAINT-
   1. EXPOSED STEEL COATED WITH ONE COAT SHOP COAT.
   2. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO
   3. APPLICATION OF SHOP COAT. NON-EXPOSED STEEL COATED WITH ONE COAT SHOP COAT.
   G. TEST - PROVIDE MILL CERTIFICATES OR TEST ALL MEMBERS. WELDS SHALL BE INSPECTED AND/OR TESTED PER T-24 SECTION 2231.5

SECTION 6A CARPENTRY

1. SCOPE OF WORK:
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.
2. MATERIALS:
   LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 16" OF WEST COAST LUMBER INSPECTION BUREAU OR "GRADING RULES FOR WESTERN LUMBER, 3rd EDITION" OF WESTERN WOOD PRODUCTS ASSOCIATION. PLYWOOD GRADE MARKED IN ACCORDANCE WITH "PRODUCT STANDARD PS 1-95 FOR SOFTWOOD" OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH UBC STANDARD 25-9
   A. HEADERS: HF STUD GRADE OR BETTER.
   B. PLATES: FH STUD GRADE OR BETTER.
   C. BLOCKING: FH STUD GRADE OR BETTER
   D. SILLS AND LUMBER IN CONTACT WITH CONCRETE, MASONRY OR EARTH- HEMLOCK FIR PRESSURE TREATED WITH WOLMAN SALTS, TANALITH U OR CHROMATE COPPER ARSENIC; GRADE - 2x4; NO. 2 GRADE - 2x6, CUT ENDS DIPPED IN PRESERVATIVE (CUPONAL).
   E. PLYWOOD ROOF DECKING: APA C-D GRADE, GROUP 1, EXPOSURE 1 WITH EXTERIOR GLUE, ON OVERHANGS, C-C PLUGGED AND TOUCH SANDED.
   F. PLYWOOD FLOOR DECKING: APA STURD-I-FLOOR 48" O.C. 1-1/8" TONGUE AND GROOVE FLOOR SHEATHING.
   G. EXTERIOR SIDING/SHEATHING - APA TYPE 303, EXTERIOR, M.D.O. 8" O.C., SIDING, SHEATHING 1/2" STRUCTURAL #1 OSB.
   H. BUILDING TRIM: 4/4 L.P. SMART TRIM
   I. DOOR/WINDOW TRIM: 4/4 L.P. SMART TRIM
3. WORKMANSHIP:
   A. FRAMIMG:
   SECURLY NAILED BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITHN ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
   B. NAILING:
   IN ACCORDANCE WITH TITLE 24 C.C.R. - TABLE 23A-11-B-1. NAILS SHALL BE CORROSION RESISTANT BOX NAILS.
   C. EXTERIOR WALLS:
   FACTORY FABRICATED CAULKING PROVIDED BETWEEN PERIMETER OF WALLS AND STRUCTURAL MEMBERS PROVIDING WEATHERPROOF AND WATERTIGHT SEAL. NECESSARY CLOSURES, SEALS, FLASHING PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
   D. MACHINE APPLIED NAILING:
   SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY D.S.A. FIELD INSPECTORS AND THE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUES SATISFACTORY PERFORMANCE. PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8" IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL DEEMED UNSATISFACTORY.
   E. TRIM SEALED AT ALL EDGES, SEALED PAINTED TO MATCH TRIM OR SIDING.
   F. RETIGHTEN ALL BOLTS BEFORE CLOSING IN.
   G. THW DESIGN MOISTURE CONTENT OF LUMBER IS 19% OR LESS BEFORE FABRICATION, OTHER REVISION THRU CHANGE ORDER WILL BE REQUIRED.

SECTION 7B SHEET METAL

1. SCOPE OF WORK:
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
2. MATERIALS:
   A. SHEET METAL:
   STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATED CONFORMING TO ASTM A123. MINIMUM 26 GA.
   B. SOLDER:
   OF STANDARD BRAND, GRADE A OF EQUAL PARTS LEAD & TIN ASTM B32.
   C. FLUX:
   ZINC SATURATED MURATIC ACID.
3. WORKMANSHIP:
   SHEET METAL ACCURATLEY FORMED TO DOMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ALGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED & INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT.

SECTION 7J SEALANT

1. SCOPE OF WORK:
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO SEAL THE BUILDINGS.
2. MATERIALS:
   "VULKEM" SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL OR APPROVED EQUAL.
   SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT, IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

SECTION 8B HOLLOW METAL DOORS & FRAMES

1. SCOPE OF WORK:
   CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS & FRAMES.
2. MATERIALS:
   A. DOORS:
   TYPE L FULL FLUSH MANUFACTURED BY AMWELD, CURRIES OR REPUBLIC MANUFACTURING COMPANY OR APPROVED EQUAL, 18 GA. 1-3/4" THICK.
   B. FRAMES:
   16 GA. COLD ROLLED 2" FACES.

SECTION 8D FINISH HARDWARE

1. SCOPE OF WORK:
   CONTRACTOR SHALL SUPPLY AND INSTALL HARDWARE AS SPECIFIED & AS REQUIRED
2. DOOR SHEDULE: SEE SHEET A7.0
3. SPECIAL REQUIREMENTS:
   A. CLOSURE FOR EXTERIOR DOORS SHALL BE SET FOR A MAX. OPENING PRESSURE OF 5lbs.
   B. DEAD BOLT LOCKS ARE NOT ALLOWED IN SCHOOL FACILITIES.
   C. HARDWARE SHALL BE CENTERED BETWEEN 30" & 44" ABOVE FINISH FLOOR
   D. EXIT DOORS SHALL BE OPENABLE FROM INSIDE WITHOUT ANY EFFORT, SPECIAL TOOL, OR KNOWLEDGE.
   E. PANIC HARWARE SHOULD BE MOUNTED ABOVE 36" TO 44" SO AS TO NOT REDUCE THE REQUIRED EXIT WIDTH.

SECTION 9E PAINTING

1. SCOPE OF WORK:
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS & SERVICES TO PAINT BUILDINGS, ALL EXPOSED SURFACES OF BUILDING AND RAMP SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS.
2. MATERIALS:
   A. EXTERIOR WOOD:
   42-1 PRIMER, W203 "DUNN EDWARDS"
   B. INTERIOR TRIM:
   W7500 "DUNN EDWARDS"
   C. METAL:
   9 SERIES "DUNN EDWARDS"

WORKMANSHIP:
   A. EXTERIOR:
   WOOD SIDING, TRIM & SKIRTING - APPLY TWO COATS OF EXTERIOR FLAT ACRYLIC PAINT SPRAYED ON.
   B. INTERIOR
   TRIM: NOT RECOATED SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER SHOP COAT.
   C. RAMP:
   ONE COAT OF NON-SKID SURFACING.

SECTION 13F SITE ASSEMBLY

1. SCOPE OF WORK:
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE & TO COMPLETE THE ASSEMBLY AT THE SITE.
   THE CONDITION OT THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.
2. ASSEMBLY OF ELEMENTS:
   A. IN A LOCATION AS DETERMINED BY THE SCHOOL DISTRICT, THE CONTRACTOR SHALL PLACE CONCRETE LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWING.
   B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING.
   C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHING, TRIM & OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

SECTION 15A MECHANICAL

1. SCOPE OF WORK:
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS & SERVICES TO INSTALL THE AIR CONDITION SYSTEM AS SHOWN ON THE DRAWINGS INCLUDING A/C UNITS & ACCESSORIES, REMOTE THERMOSTAT, GRILLS & POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
2. EQUIPMENT: SEE A/C INFORMATION SCHEDULE FOR SIZE & TYPE
3. WORKMANSHIP:
   UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

SECTION 16A ELECTRICAL

1. SCOPE OF WORK:
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS & SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT & POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS & DISCONNECTS TO A/C EQUIPMENT.
2. MATERIALS: ALL NEW COMPLYING WITH REQUIREMENTS OF CBC & NFPA
   A. ELECTRIC METALLIC TUBING:
   COUPLINGS & FLEX CONDUIT GALVANIZED OR SHEDRARDIZED.
   B. PANELBOARDS:
   FLUSH MOUNTED WITH HINGED DOORS & INDEXED CARD HOLDERS.
   C. CONDUCTORS:
   COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES MINIMUM SIZE #12.
   D. RECEPTACLE:
   PED SPEC UL, SPECIFICATION GRADE #CRB 5262. PASS & SEYMOUR
   E. CLOCK RECEPTACLE:
   PASS & SEYMOUR, #S3713-I RECESSED W/IVORY WALL PLATE.
   F. SWITCHES:
   PASS & SEYMOUR, PS15AC1, IVORY, SPEC GRADE 15 AMP, 1 POLE
   G. LIGHTING FIXTURES:
   2'x4' FLUORESCENT DROP IN THE TYPE, FIXTURES WITH 34 WATT LAMPS & ENERGY SAVING BALLAST.
3. WORKMANSHIP:
   MATERIAL & EQUIPMENT INSTALLED IN A SECURE, NEAT, WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS, PANEL BOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL & CEILING SPACES WORK PIERCING WATERPROOFED AREAS FLASHED & SEALED TO A WATERTIGHT CONDITION.

ENVELOPE MANDATORY MEASURES

1. INSTALLED INSULATING MATERIAL SHALL HAVE BEEN CERTIFIED BY THE MANUFACTURER TO COMPLY WITH THE CALIFORNIA QUALITY STANDARDS FOR INSULATING MATERIAL, TITLE 20, CHAPTER 4, ARTICLE 3.
2. ALL INSULATING MATERIALS SHALL BE INSTALLED IN COMPLIANCE WITH THE FLAME SPREAD RATING AND SMOKE DENSITY REQUIREMENTS OF SECTIONS 2602 AND 707 OF TITLE 24, PART 2.
3. ALL EXTERIOR JOINTS AND OPENINGS IN THE BUILDING THAT ARE OBSERVABLE SOURCES OF AIR LEAKAGE SHALL BE CAULKED, GASKETED, WEATHERSTRIPPED OR OTHERWISE SEALED.
4. MANUFACTURED DOORS AND WINDOWS INSTALLED SHALL HAVE AIR INFILTRATION RATES NOT EXCEEDING THOSE SHOWN IN TABLE NUMBER 1-E. OF THE STANDARDS. MANUFACTURED FENESTRATION PRODUCTS MUST BE LABELED FOR U-VALUE ACCORDING TO NFRC PROCEDURES.

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVALS

REGISTERED PROFESSIONAL ENGINEER
JAMES T. SIMPSON
No.3602
STRUCTURAL
STATE OF CALIFORNIA

DATE SIGNED
AUG 31 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-117462
AC ___ FLS ___ SS ___
DATE: SEP 26 2018

REVISIONS | BY

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

GENERAL NOTES AND SPECIFICATIONS

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

DRAWN
CHECKED
DATE
15 JUNE 2018
SCALE
JOB NO.

A-10

OF 25 SHEETS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

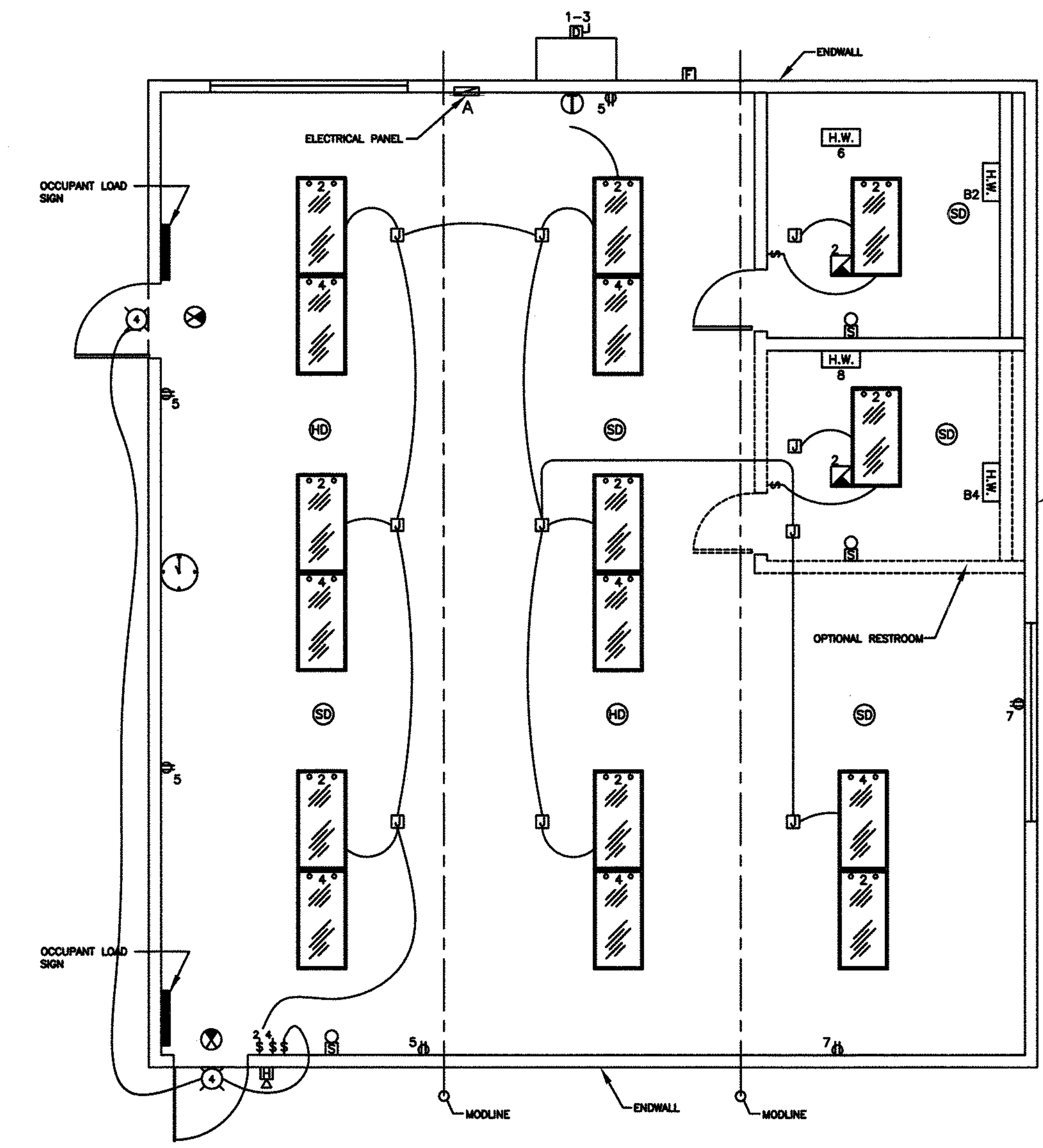
SYMBOL	DESCRIPTION
	2'x4' FLUORESCENT RECESSED FIXTURE, W/DIFFUSED PRISMATIC LENS W/2 BALLAST(S) & (3) T8 TUBES
	CEILING MOUNTED EXHAUST FAN 100 CFM
$	SINGLE SWITCH 20 AMP IN SINGLE GANG BOX
$$$	TRIPLE SWITCH 20 AMP IN TRIPLE GANG BOX
	DUPLEX RECEPT – 20 AMP
WP GFI	DEDICATED DUPLEX RECEPT – 20 AMP W/GROUND FAULT INTERRUPTER AND CLEAR IN-USE COVER
	EXTERIOR MOUNTED FLUORESCENT LIGHT FIXTURE, "HARRIS" #300 W/ PHOTO CELL
T	THERMOSTAT-PROGRAMMABLE, "BRAEBURN" #2200 (+48")
J	J-BOX MOUNTED IN CEILING FOR LIGHT FIXTURES, RUN WIRE TO PANEL BOX
F	WATER PROOF J-BOX AT FLOOR LEVEL W/ 3/4" C.O. STUBBED TO ATTIC
+80" S	4S J-BOX W/SINGLE GANG RING FOR FUTURE FIRE ALARM INTERIOR STROBE LIGHT W/3/4" CONDUIT STUBBED ABOVE CEILING, NO WIRE, BLANK COVER PLATE (DEVICES, WIRING & INSTALLATION BY OTHERS)
+80" H	4S J-BOX W/SINGLE GANG RING FOR FUTURE FIRE ALARM EXTERIOR HORN W/3/4" CONDUIT STUBBED ABOVE CEILING, NO WIRE, WEATHERPROOF BLANK COVER PLATE (DEVICES, WIRING & INSTALLATION BY OTHERS)
	CLOCK MOUNTED 6" BELOW CEILING LINE
D	DISCONNECT SWITCH BUILT INTO A/C
SD	EMPTY 4S J-BOX W/SINGLE GANG RING FOR FIRE ALARM SMOKE DETECTOR MOUNTED IN CEILING, NO WIRE, BLANK COVER
HD	EMPTY 4S J-BOX W/SINGLE GANG RING FOR FIRE ALARM HEAT DETECTOR MOUNTED IN CEILING, NO WIRE, BLANK COVER
H.W.	INSTA HOT WATER HEATER 120V. (OPTIONAL)
	WALL MOUNTED ILLUMINATED EXIT SIGN WITH EMERGENCY LIGHTS

NOTE:
1. LOCATE ALL RECEPTACLES & J-BOX'S @ 18" TO CENTERLINE OF BOX AFF
2. LOCATE ALL SWITCHES @ 48" TO TOP OF BOX AFF
3. LOCATE ALL T-STATS @ 48" TO TOP OF BOX AFF
4. WHEN MULTIPLE GFI RECEPTACLES ARE SHOWN ON THE SAME CIRCUIT INSTALL W/ FEED THROUGH GFI RECEPT & PROTECT DOWNSTREAM RECEPTACLE OFF OF FEED THROUGH GFI & LABEL PROPERLY
5. LIGHTING TO BE INSTALLED PER DETAIL #4 OF MMMC SPECS, TITLE 24, PARTS 1 & 2 OF THE CCR & TO IR-47-3 & 47-4 OF THE DSA INTEPRETIVE MANUAL
6. THE INSTALLATION OF ALL LIGHTS & CEILINGS TO BE INSTALLED PER MMM SPECS & PARTS 1 & 2 OF THE CCR & TO #IR-47-3 & #IR-47-4 OF THE DSA INTEPRETIVE MANUAL
7. ALL SUPPLY REGISTERS TO BE POSITIVELY ATTACHED TO THE ROOF RAFTER (2 CORNERS PER REGISTER MIN.)
8. FIRE ALARM SYSTEM IS SITE SPECIFIC AND IS APPROVED AS A SEPARATE DEFERRED APPROVAL.

PANEL: A	PHASE: SINGLE			VOLTS: 120/240		BUSS: 150 AMP			MAIN: NONE				LOCATION: EXTERIOR			FEED: BOTTOM					MOUNTING: SURFACE
OBJECT DESCRIPTION	WATT PER	NO. OF	LCL	WATTS A	WATTS B	BRK	POLE	WIRE SIZE	CKT NO	A	B	CKT NO	WIRE SIZE	POLE	BRK	WATTS A	WATTS B	LCL	NO OF	WATT PER	OBJECT DESCRIPTION
5 TON HP	5980	1	x	5980		60	2	#4	1	X		2	#12	1	20	1452		x	11	132	LIGHTS
5 TON HP	5980	/	x		5980	/	/	#4	3		X	4	#12	1	20		1452	x	11	132	LIGHTS
RECEPTS	180	4	x	720		20	1	#12	5	X		6	#12	1	20	1500			1	1500	INSTA HOT
RECEPTS	180	3	x		540	20	1	#12	7		X	8	#12	1	20		1500		1	1500	INSTA HOT
				0					9	X		10				0					
					0				11		X	12					0				
	LEG TOTALS			6700	6520											2952	2952	LEG TOTALS			
LCL=4031+19124=23155																					
TOTAL WATTS=23155							LEG BALANCE = 0.9%									TOTAL AMPS: 96.48					

ELECTRICAL PANEL

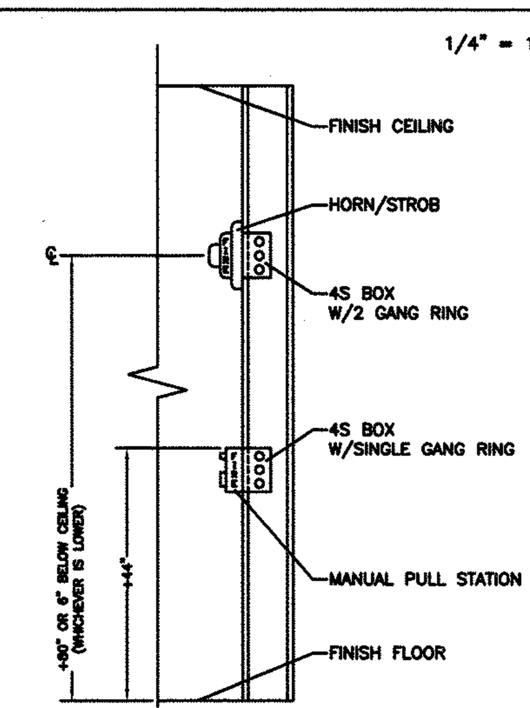
NOTE: UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.



PROVIDE EMERGENCY EGRESS ILLUMINATION TO A SAFE DISPERSAL AREA PER DSA IR10-1. COORDINATE EMERGENCY EGRESS ILLUMINATION WITH PROJECT SPECIFIC SITE PLANS.

ELECTRICAL PLAN

1/4" = 1'-0"



(A) STANDARD FIRE ALARM HEIGHTS

NOTE:
ALL EXISTING F.A. BOXES TO REMAIN WHERE LOCATED

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVALS

No.3602
DATE SIGNED
AUG 31 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-117462
AC FLS SS
DATE: SEP 26 2018

REVISIONS | BY

MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710

MODIFICATION PLAN FOR 36 X 40 BUILDINGS

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

DRAWN
CHECKED
DATE 15 JUNE 2018
SCALE
JOB NO.

E-2

OF 25 SHEETS

SYMBOL	DESCRIPTION
	2'x4' FLUORESCENT RECESSED FIXTURE, W/DIFFUSED PRISMATIC LENS W/2 BALLAST(S) & (3) T8 TUBES
	CEILING MOUNTED EXHAUST FAN 100 CFM
$	SINGLE SWITCH 20 AMP IN SINGLE GANG BOX
$$$	TRIPLE SWITCH 20 AMP IN TRIPLE GANG BOX
	DUPLEX RECEPT – 20 AMP
WP GFI	DEDICATED DUPLEX RECEPT – 20 AMP W/GROUND FAULT INTERRUPTER AND CLEAR IN-USE COVER
	EXTERIOR MOUNTED FLUORESCENT LIGHT FIXTURE, "HARRIS" #300 W/ PHOTO CELL
	THERMOSTAT-PROGRAMMABLE, "BRAEBURN" #2200 (+48")
J	J-BOX MOUNTED IN CEILING FOR LIGHT FIXTURES, RUN WIRE TO PANEL BOX
F	WATER PROOF J-BOX AT FLOOR LEVEL W/ 3/4" C.O. STUBBED TO ATTIC
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	CLOCK MOUNTED 6" BELOW CEILING LINE
D	DISCONNECT SWITCH BUILT INTO A/C
SD	EMPTY 4S J-BOX W/SINGLE GANG RING FOR FIRE ALARM SMOKE DETECTOR MOUNTED IN CEILING, NO WIRE, BLANK COVER
HD	EMPTY 4S J-BOX W/SINGLE GANG RING FOR FIRE ALARM HEAT DETECTOR MOUNTED IN CEILING, NO WIRE, BLANK COVER
H.W.	INSTA HOT WATER HEATER 120V. (OPTIONAL)
	WALL MOUNTED ILLUMINATED EXIT SIGN WITH EMERGENCY LIGHTS

NOTE:
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2. LOCATE ALL SWITCHES @ 48" TO TOP OF BOX AFF
3. LOCATE ALL T-STATS @ 48" TO TOP OF BOX AFF
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5. LIGHTING TO BE INSTALLED PER DETAIL #4 OF MMMC SPECS, TITLE 24, PARTS 1 & 2 OF THE CCR & TO IR-47-3 & 47-4 OF THE DSA INTEPRETIVE MANUAL
6. THE INSTALLATION OF ALL LIGHTS & CEILINGS TO BE INSTALLED PER MMM SPECS & PARTS 1 & 2 OF THE CCR & TO #IR-47-3 & #IR-47-4 OF THE DSA INTEPRETIVE MANUAL
7. ALL SUPPLY REGISTERS TO BE POSITIVELY ATTACHED TO THE ROOF RAFTER (2 CORNERS PER REGISTER MIN.)
8. FIRE ALARM SYSTEM IS SITE SPECIFIC AND IS APPROVED AS A SEPARATE DEFERRED APPROVAL.

PANEL: A — PHASE: SINGLE — VOLTS: 120/240 — BUSS: 100 AMP — MAIN: NONE — LOCATION: EXTERIOR — FEED: BOTTOM — MOUNTING: SURFACE

OBJECT DESCRIPTION	WATT PER	NO. OF	LCL	WATTS A	WATTS B	BRK	POLE	WIRE SIZE	CKT NO	A	B	CKT NO	WIRE SIZE	POLE	BRK	WATTS A	WATTS B	LCL	NO OF	WATT PER	OBJECT DESCRIPTION
4 TON HP	5244	1	x	5244		60	2	#6	1	X		2	#12	1	20	1716		x	13	132	LIGHTS
4 TON HP	5244	/	x		5244	/	/	#6	3		X	4	#12	1	20		1848	x	14	132	LIGHTS
RECEPTS	180	4	x	720		20	1	#12	5	X		6				0					
RECEPTS	180	4	x		720	20	1	#12	7		X	8					0				
				0					9	X		10				0					
					0				11		X	12					0				
	LEG TOTALS			5964	5964											1716	1848	LEG TOTALS			

LCL=3873+15492=19365
TOTAL WATTS=19365 — LEG BALANCE = 0.9% — TOTAL AMPS: 80.69

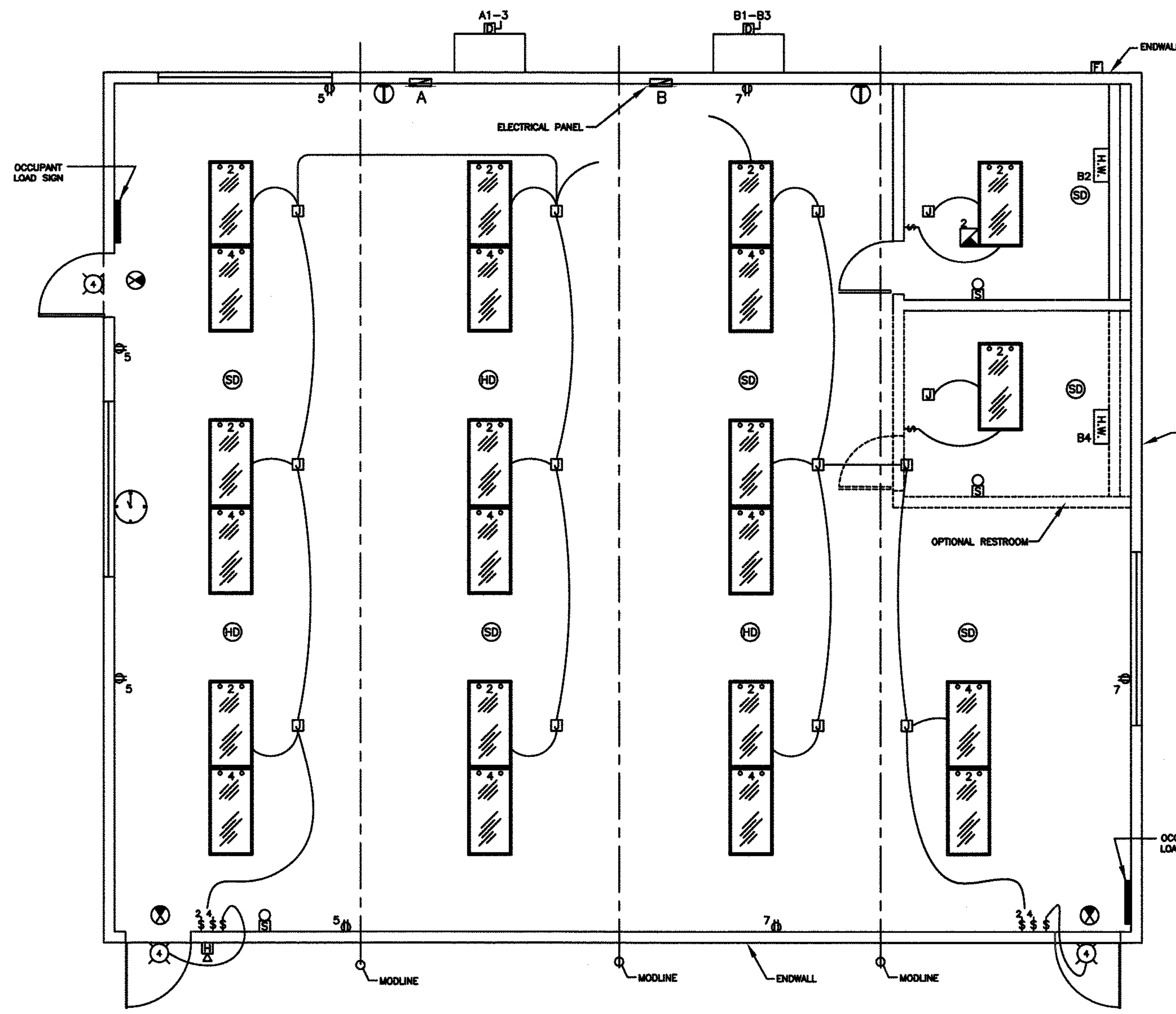
PANEL: B — PHASE: SINGLE — VOLTS: 120/240 — BUSS: 100 AMP — MAIN: NONE — LOCATION: EXTERIOR — FEED: BOTTOM — MOUNTING: SURFACE

OBJECT DESCRIPTION	WATT PER	NO. OF	LCL	WATTS A	WATTS B	BRK	POLE	WIRE SIZE	CKT NO	A	B	CKT NO	WIRE SIZE	POLE	BRK	WATTS A	WATTS B	LCL	NO OF	WATT PER	OBJECT DESCRIPTION
4 TON HP	5244	1	x	5244		60	2	#6	1	X		2	#12	1	20	1500			1	1500	INSTA HOT
4 TON HP	5244	/	x		5244	/	/	#6	3		X	4	#12	1	20		1500		1	1500	INSTA HOT
				0					5	X		6				0					
					0				7		X	8					0				
				0					9	X		10				0					
					0				11		X	12					0				
	LEG TOTALS			5244	5244											1500	1500	LEG TOTALS			

LCL=2622+13488=16110
TOTAL WATTS=16110 — LEG BALANCE = 0.0% — TOTAL AMPS: 67.13

ELECTRICAL PANEL

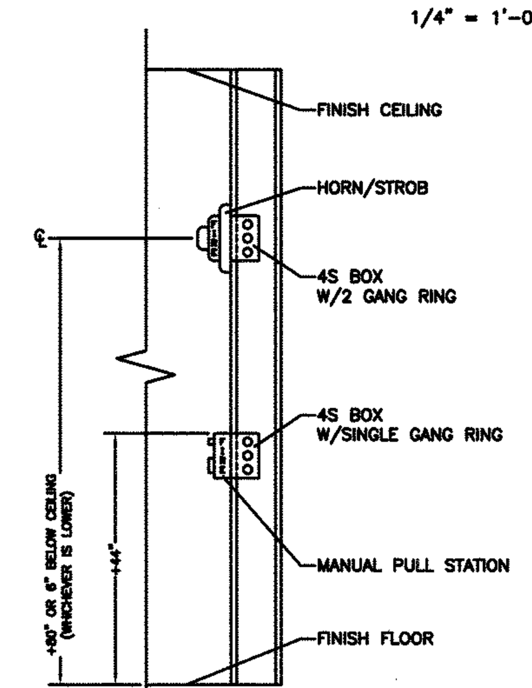
NOTE: UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.



PROVIDE EMERGENCY EGRESS ILLUMINATION TO A SAFE DISPERSAL AREA PER DSA IR 10-1.
COORDINATE EMERGENCY EGRESS ILLUMINATION WITH PROJECT SPECIFIC SITE PLANS.

ELECTRICAL PLAN

1/4" = 1'-0"



A STANDARD FIRE ALARM HEIGHTS

NOTE:
ALL EXISTING F.A. BOXES TO REMAIN WHERE LOCATED

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVALS

No.3602
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IDENTIFICATION STAMP
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APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

REVISIONS	BY

STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

MODIFICATION PLAN FOR 48 X 40 BUILDING

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

DRAWN
CHECKED
DATE
15 JUNE 2018
SCALE
JOB NO.

E — 3

OF 25 SHEETS

MOBILE MODULAR MANAGEMENT UNIVERSAL ARCHITECTURAL MODIFICATIONS SHEET E-3.DWG

LEGEND

- ⊠ 12"x12" SUPPLY AIR GRILLE W/4-WAY CURVED BLADE DIFFUSER "AIRMATE" #204M 12"x12" W/BACK BOX & COLLAR
- 24"x24" RETURN AIR GRILLE PERF. FACE
- THERMOSTAT-PROGRAMMABLE, "BRAEBURN" #2200

MECHANICAL NOTES

MECHANICAL EQUIPMENT INSTALLATION IN OR ON THIS BUILDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE U.M.C. UNLESS OTHERWISE SPECIFICALLY EXEMPTED OR REQUIRED BY APPROVED STATE REGULATORY AGENCIES.

MECHANICAL AND GRAVITY VENTILATION REQUIREMENTS SHALL COMPLY WITH STATE OF CALIFORNIA CCR TITLE 24, PART 6, SECTION T-20.

RECTANGULAR DUCT SHALL BE 'FIBERGLASS' TYPE LP OR EQUAL U.L. LISTED WITH 1" THICK INSULATED DUCT BOARD WITH JOINTS SEALED WITH DUCTBOARD TAPE.

ROUND FLEX DUCT SHALL BE U.L. LISTED CLASS 1, STANDARD 181 – FACTORY MADE AIR DUCTS AND AIR CONNECTORS. THE MINIMUM THERMAL PERFORMANCE SHALL BE AT 4.2 R-VALUE, AND MEASURED IN ACCORDANCE TO ASTM C 518 OR ASTM C 177 AT 75DEG F MEAN TEMPERATURE. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURES INSTALLATION INSTRUCTIONS

THERMOSTAT PROGRAMMING TO BE PERFORMED AND BATTERY TO BE PROVIDED BY OTHERS ON SITE.

ALL HVAC EQUIPMENT LEAVES FACTORY WIRED FOR 240 VOLT OPERATION THE ACCEPTABLE OPERATING RANGE FOR THE 240V & 208V TAPS ARE:

TAP	RANGE
240	253–216
208	220–187

AIR FILTERS IN HVAC UNITS OR SYSTEMS ARE TO BE CHANGED EVERY 30 DAYS BY OTHERS ON SITE.

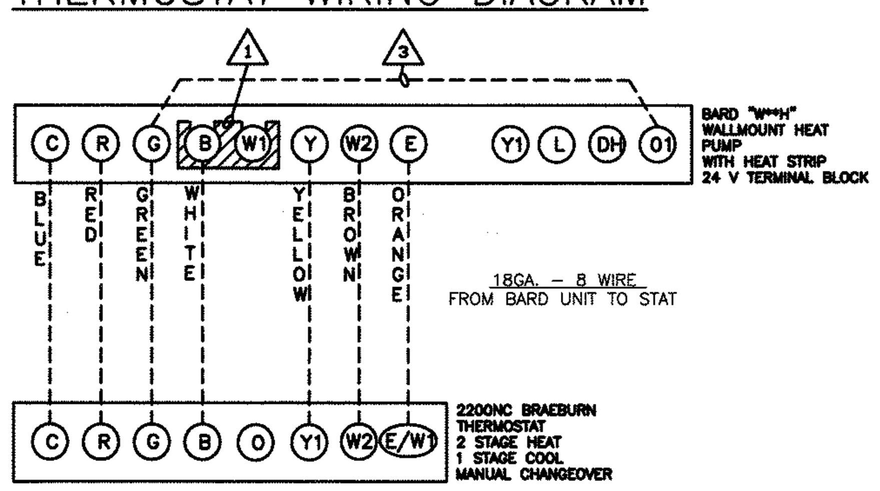
TEST AND BALANCE OF HVAC SYSTEM TO BE PROVIDED AND PERFORMED BY OTHERS ON SITE.

SET UP AND TESTING OF ECONOMIZERS, AND CLASSROOM VENTILATORS TO BE PROVIDED AND PERFORMED BY OTHERS ON SITE.

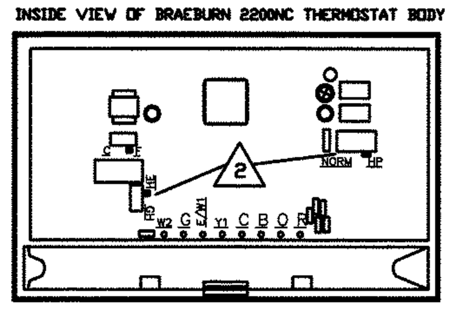
NOTE: HVAC units operated on generator power must be protected from voltage fluctuation, or voltage variance. Improper voltage may cause short and long range damage to HVAC unit components and may void HVAC unit warranties.

HP 1
5.0 Ton Heat Pump, Bard, R410a, Step Capacity Wallmount, CH5S*-A04VP4TXX 4 KW
52,500 Nom Btu Cooling Capacity – 13.6 IPLV
54,000 Nom Btu Heating Capacity from Compressor.
Additional 13,562 Nom Btu Heating Capacity from Heat Strips @ 240V.
MCA 65, MOCP 70, Min. Wire Size #4
1700 CFM @ 0-.5 Esp, Unit Weight 700 lbs.
230 Volt, 60 Cycle, Single Phase
Requires use of CPB5A-4 Top Discharge Plenum

THERMOSTAT WIRING DIAGRAM

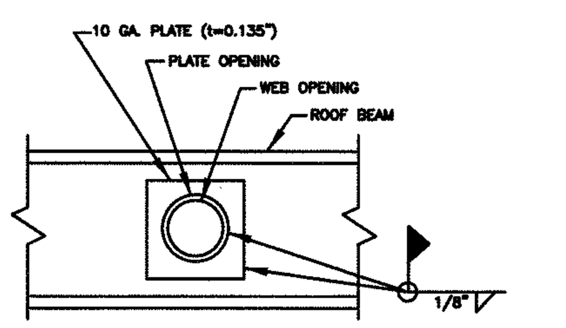


INSIDE VIEW OF BRAEBURN 2200NC THERMOSTAT BODY



NOTES:

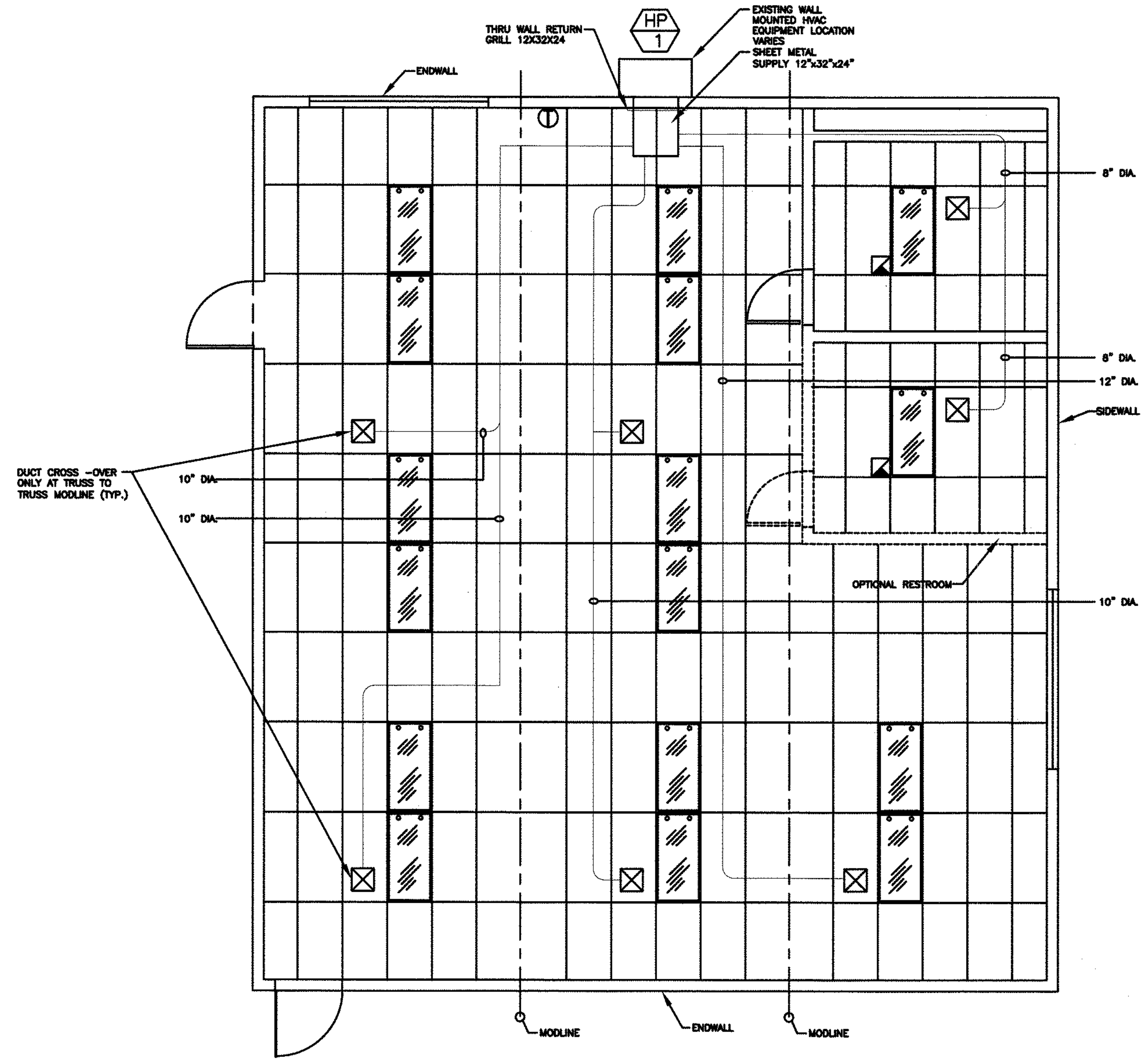
1. BARD FACTORY INSTALLED JUMPER PLATE TO ENERGIZE ALL HEAT STRIPS FROM SINGLE STAGE HEATING STAT
2. SET ELEC./GAS SWITCH TO "HE" ON THIS APPLICATION. SET NORM/HP SWITCH TO "HP" ON THIS APPLICATION.
3. FIELD INSTALLED JUMPER (G TO O1) BY UNIT INSTALLER TO ENERGIZE VARIOUS BARD VENTILATION OPTIONS



WEB OPENING	PLATE SIZE	PLATE OPENING
6"ø	12"X12"	6 1/4"ø
8"ø	14"X14"	8 1/4"ø
10"ø	16"X16"	10 1/4"ø

24" MIN. SPACING ℄ OF HOLE TO ℄ OF HOLE.

OPTIONAL BEAM PENETRATION
NTS
1 / M-1



MECHANICAL PLAN

1/4" = 1'-0"

NOTE: UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVALS

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No. 3602 STRUCTURAL STATE OF CALIFORNIA

DATE SIGNED AUG 31 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-117462
AC FLS SS
DATE: SEP 26 2018

REVISIONS	BY

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0236

MODIFICATION PLAN FOR 36 X 40 BUILDINGS

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

DRAWN
CHECKED
DATE 15 JUNE 2018
SCALE
JOB NO.

M—2
OF 25 SHEETS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

LEGEND

12"x12" SUPPLY AIR GRILLE W/4-WAY CURVED BLADE DIFFUSER "AIRMATE" #204M 12"x12" W/BACK BOX & COLLAR

24"x24" RETURN AIR GRILLE PERF. FACE

THERMOSTAT-PROGRAMMABLE, "BRAEBURN" #2200

MECHANICAL NOTES

MECHANICAL EQUIPMENT INSTALLATION IN OR ON THIS BUILDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE U.M.C. UNLESS OTHERWISE SPECIFICALLY EXEMPTED OR REQUIRED BY APPROVED STATE REGULATORY AGENCIES.

MECHANICAL AND GRAVITY VENTILATION REQUIREMENTS SHALL COMPLY WITH STATE OF CALIFORNIA CCR TITLE 24, PART 6, SECTION T-20.

RECTANGULAR DUCT SHALL BE 'FIBERGLASS' TYPE LP OR EQUAL U.L. LISTED WITH 1" THICK INSULATED DUCT BOARD WITH JOINTS SEALED WITH DUCTBOARD TAPE.

ROUND FLEX DUCT SHALL BE U.L. LISTED CLASS 1, STANDARD 181 - FACTORY MADE AIR DUCTS AND AIR CONNECTORS. THE MINIMUM THERMAL PERFORMANCE SHALL BE AT 4.2 R-VALUE, AND MEASURED IN ACCORDANCE TO ASTM C 518 OR ASTM C 177 AT 75DEG F MEAN TEMPERATURE. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURES INSTALLATION INSTRUCTIONS

THERMOSTAT PROGRAMMING TO BE PERFORMED AND BATTERY TO BE PROVIDED BY OTHERS ON SITE.

ALL HVAC EQUIPMENT LEAVES FACTORY WIRED FOR 240 VOLT OPERATION THE ACCEPTABLE OPERATING RANGE FOR THE 240V & 208V TAPS ARE:

TAP	RANGE
240	253-216
208	220-187

AIR FILTERS IN HVAC UNITS OR SYSTEMS ARE TO BE CHANGED EVERY 30 DAYS BY OTHERS ON SITE.

TEST AND BALANCE OF HVAC SYSTEM TO BE PROVIDED AND PERFORMED BY OTHERS ON SITE.

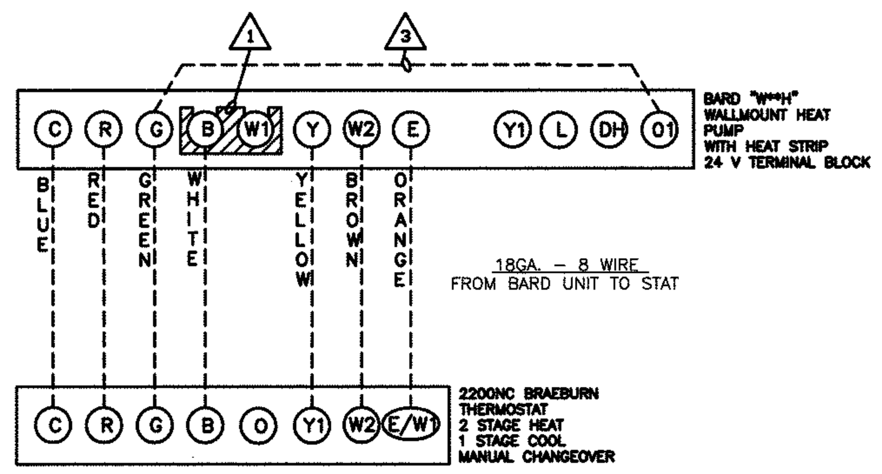
SET UP AND TESTING OF ECONOMIZERS, AND CLASSROOM VENTILATORS TO BE PROVIDED AND PERFORMED BY OTHERS ON SITE.

NOTE: HVAC units operated on generator power must be protected from voltage fluctuation, or voltage variance. Improper voltage may cause short and long range damage to HVAC unit components and may void HVAC unit warranties.

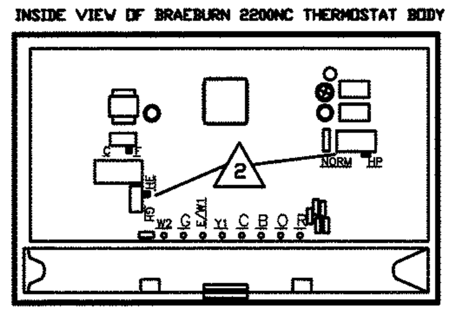
HP 1

4.0 Ton Heat Pump, Bard, R410a, Step Capacity Wallmount, CH4S*-A04VP4TXX 4 KW
45,000 Nom Btu Cooling Capacity - 14.5 IPLV
41,000 Nom Btu Heating Capacity from Compressor.
Additional 13,562 Nom Btu Heating Capacity from Heat Strips @ 240V.
MCA 57, MOCP 60, Min. Wire Size #6
1500 CFM @ 0-.5 Esp, Unit Weight 700 lbs.
230 Volt, 60 Cycle, Single Phase
Requires use of CPB5A-4 Top Discharge Plenum

THERMOSTAT WIRING DIAGRAM

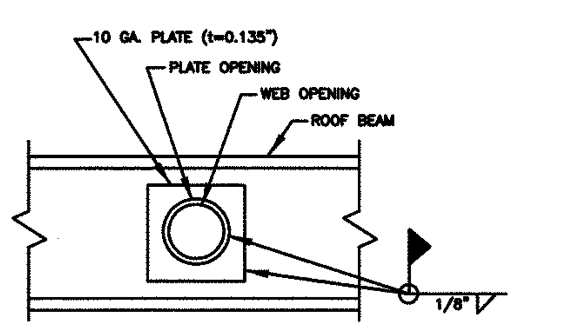


INSIDE VIEW OF BRAEBURN 2200NC THERMOSTAT BODY



NOTES:

1. BARD FACTORY INSTALLED JUMPER PLATE TO ENERGIZE ALL HEAT STRIPS FROM SINGLE STAGE HEATING STAT
2. SET ELEC./GAS SWITCH TO "HP" ON THIS APPLICATION. SET NORM/HP SWITCH TO "HP" ON THIS APPLICATION.
3. FIELD INSTALLED JUMPER (G TO 01) BY UNIT INSTALLER TO ENERGIZE VARIOUS BARD VENTILATION OPTIONS



WEB OPENING	PLATE SIZE	PLATE OPENING
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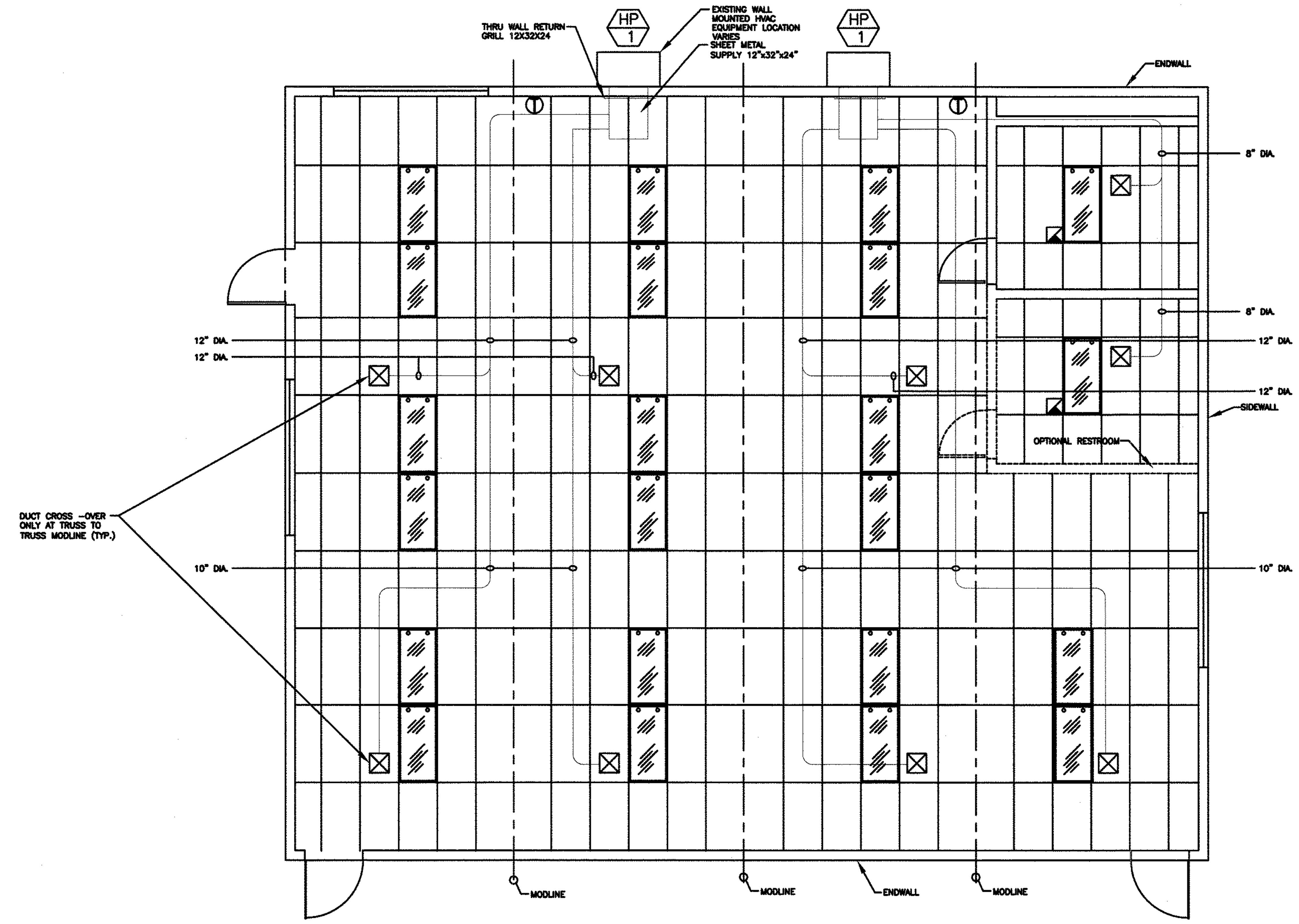
24" MIN. SPACING ℄ OF HOLE TO ℄ OF HOLE.

OPTIONAL BEAM PENETRATION 1/M-1

NTS



MECHANICAL PLAN

1/4" = 1'-0"

NOTE: UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVALS

JAMES T. SIMPSON, No. 3602, STRUCTURAL, STATE OF CALIFORNIA
DATE SIGNED AUG 3 1 2018

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC 04-117462
AC ___ FLS ___ SS ___
DATE: SEP 2 6 2018

REVISIONS | BY

EXL STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0236

MODIFICATION PLAN FOR 48 X 40 BUILDING

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SITE:

DRAWN
CHECKED
DATE 15 JUNE 2018
SCALE
JOB NO.

M-3

OF 25 SHEETS

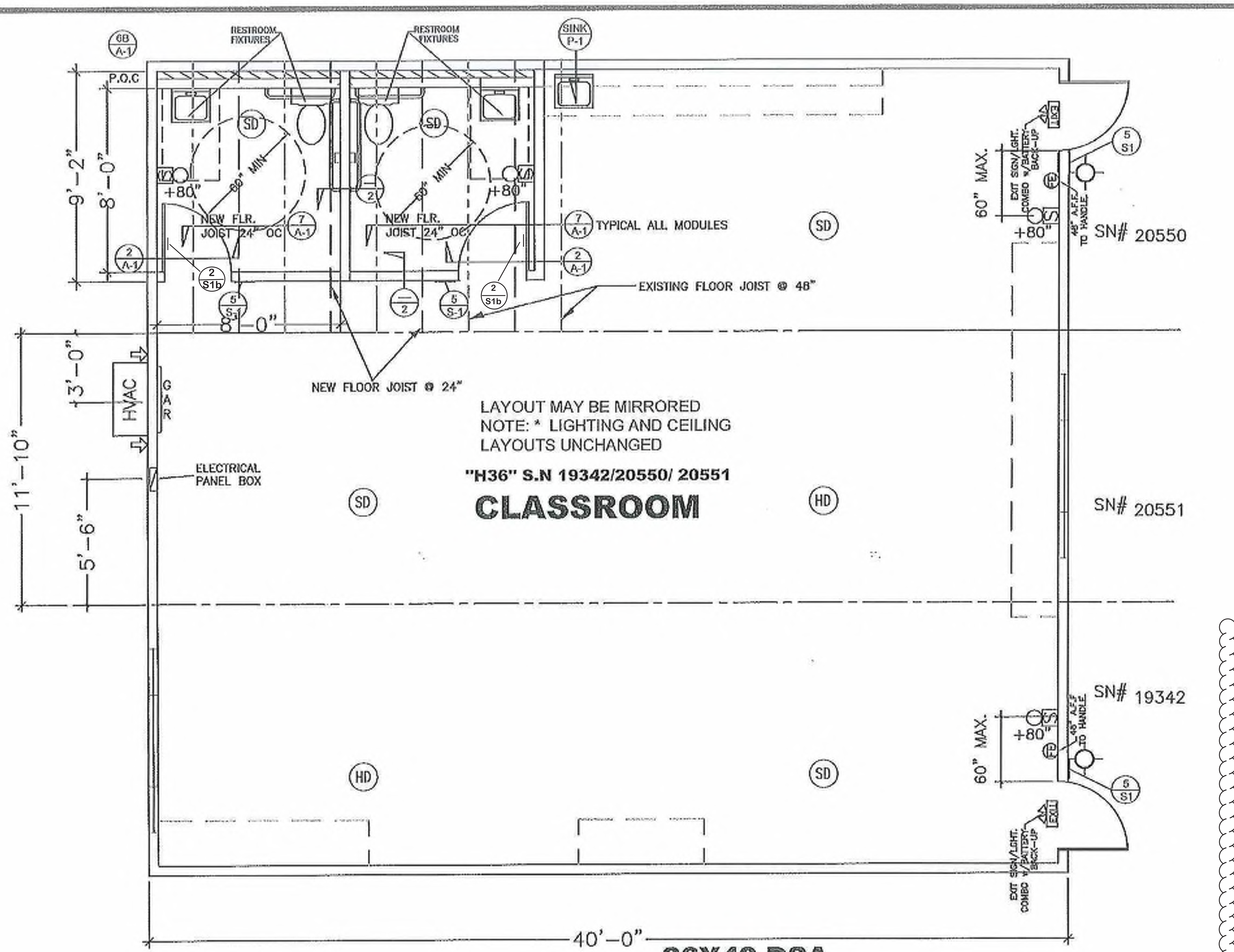
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

MOBILE MODULAR MANAGEMENT UNIVERSAL ARCHITECTURAL MODIFICATIONS SHEET_M-3.DWG

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020

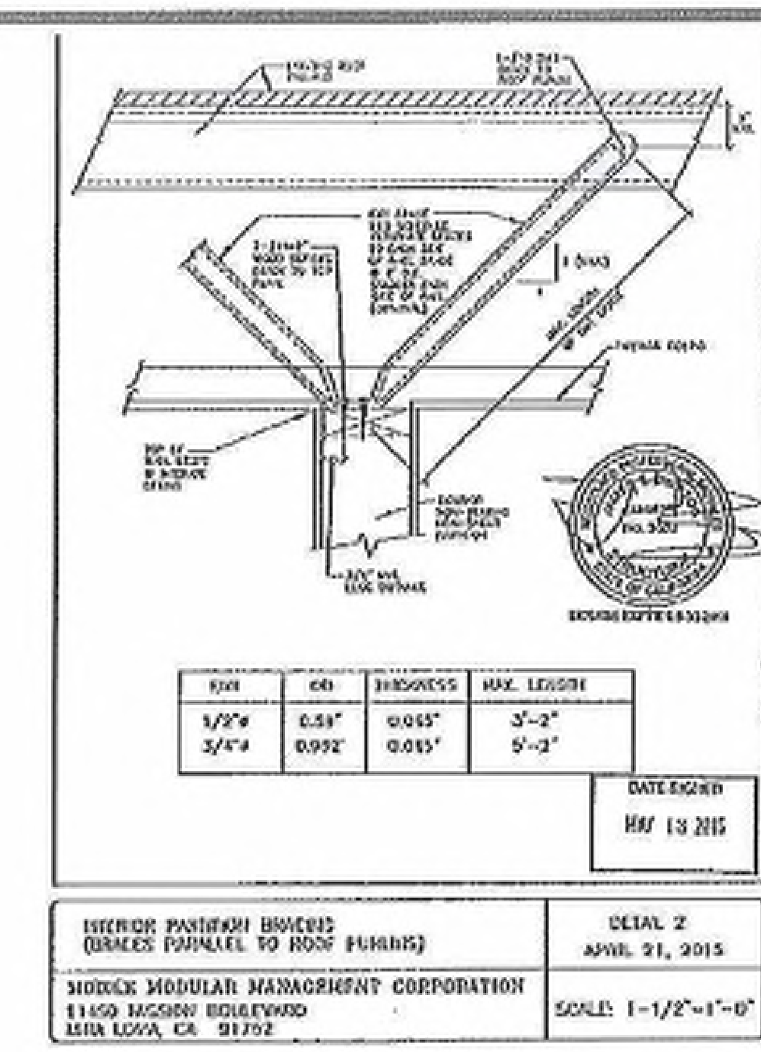
DATE SIGNED
FEB 22 2017

REGISTERED PROFESSIONAL ENGINEER
JAMES T. SIMPSON
No. 3001
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-18

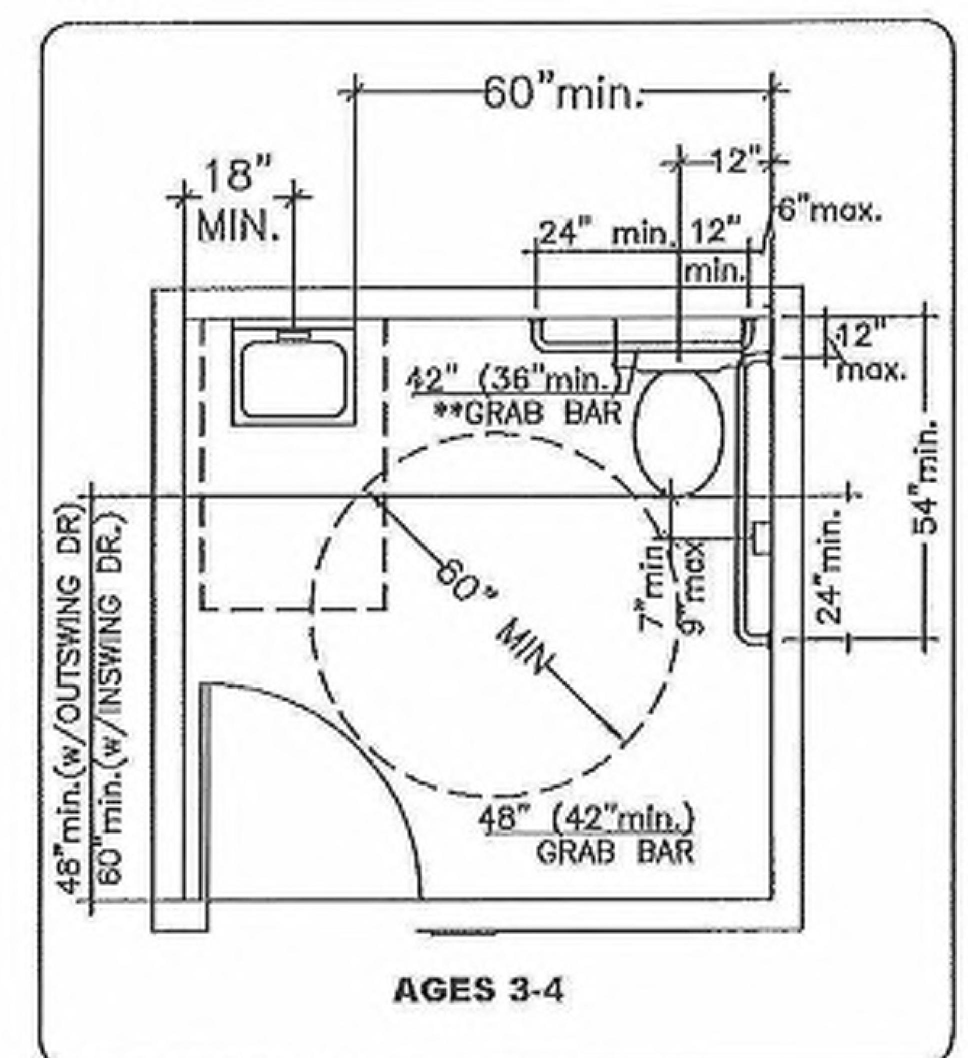


36X40 DSA

EXISTING STOCKPILE ALTERATIONS
DSA A# 04-114454



2 DETAIL



3 DETAIL

**NOTE:
WHERE FLUSH VALVES OR TOILET TANKS CONFLICT WITH THE REAR GRAB BAR, THE 36" REAR GRAB BAR SHALL BE REPLACED W/ A 24" GRAB BAR AND SHIFTED TO THE OPEN SIDE OF THE TOILET AREA PER 11B-604.5.2. PROVIDE A 24" GRAB BAR AT THE SAME ELEVATION AS THE SIDE GRAB BAR WITH 1 ½" MIN. CLEARANCE FROM FIXTURE OR CONTROL VALVE.

EXISITING STOCKPILE ALTERATIONS 36X40 A#04-114454

UNIT MANUF. BY (ID)	DATE OF MFR.	SIZE OF UNIT	MFR. SERIAL NUMBER
AURORA	04/30/99	12X40	19342
AURORA	04/30/99	12X40	20550
AURORA	04/30/99	12X40	20551

36X40 DSA w/2-RESTROOMS
BID 76520
EXISTING A# 65601
KINDER TOILETS
COLD WATER ONLY
2/15/17

APPROVED
DIVISION OF THE STATE ARCHITECT
ACS SL FLS RF SSR CN
A# 04- 114454 DATE: 03.20.17

NOTES:

5A INTERIOR DOOR: 3'-0" X 7'-0" TIMLEY DOOR & FRAME
HARDWARE: TELL MPG LC2075 w/PRIVACY LOCK

*ALL DIMENSIONS ARE NOMINAL AND MAY VARY DUE TO STRUCTURAL CONSIDERATION

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SCALE: 3/16" = 1'
DATE: 2/15/17

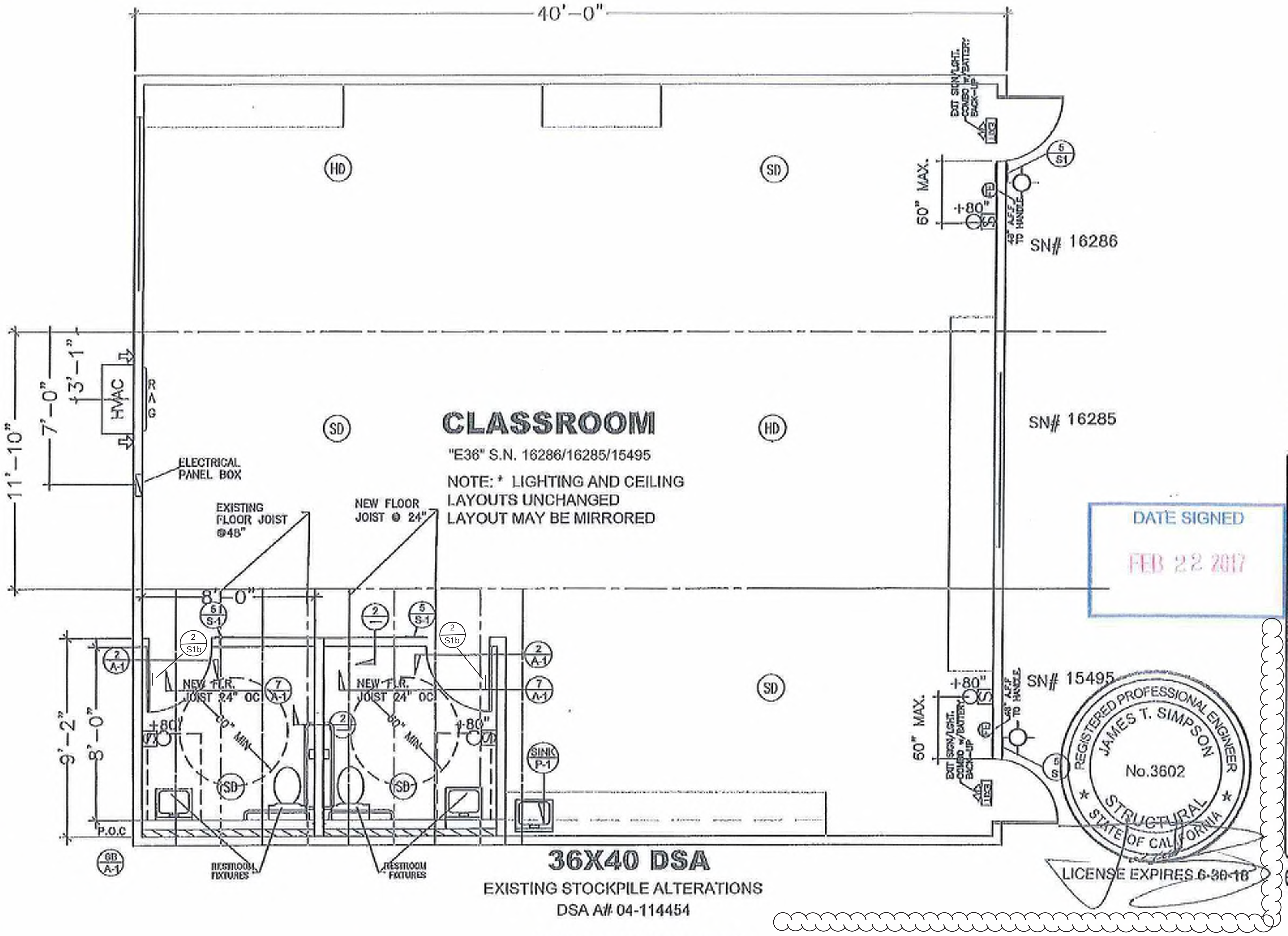
mobile modular

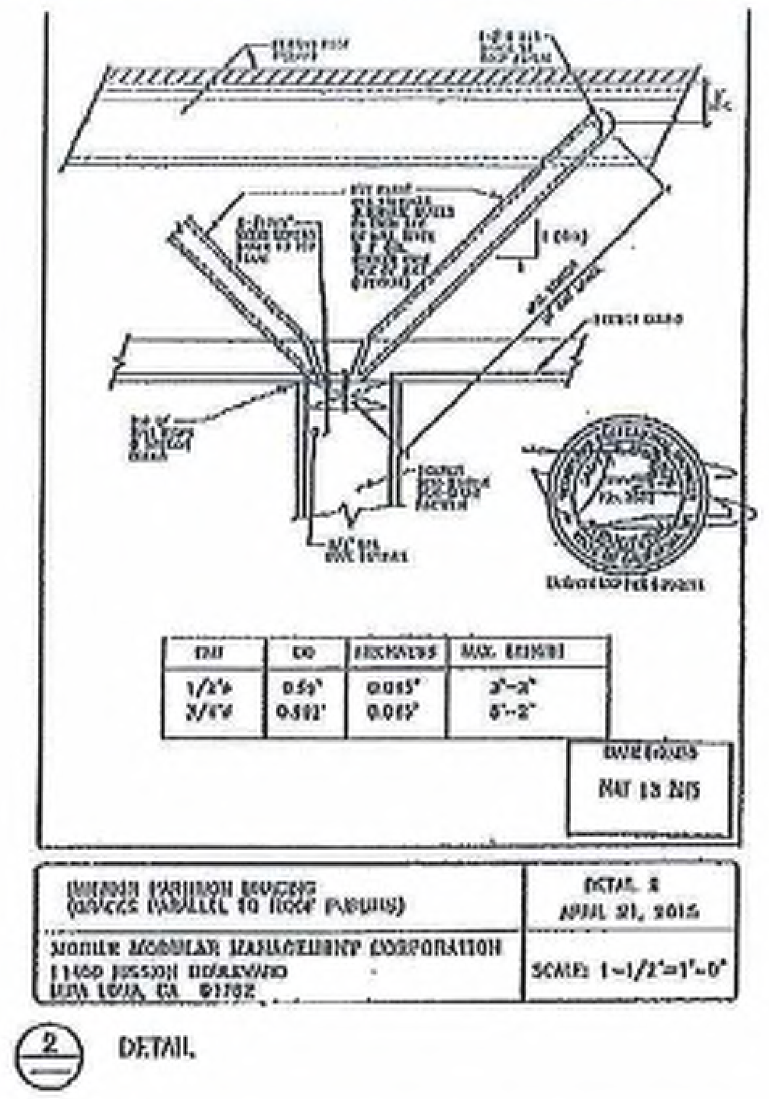
DRAWN BY:
REV:
DRAWING NUMBER

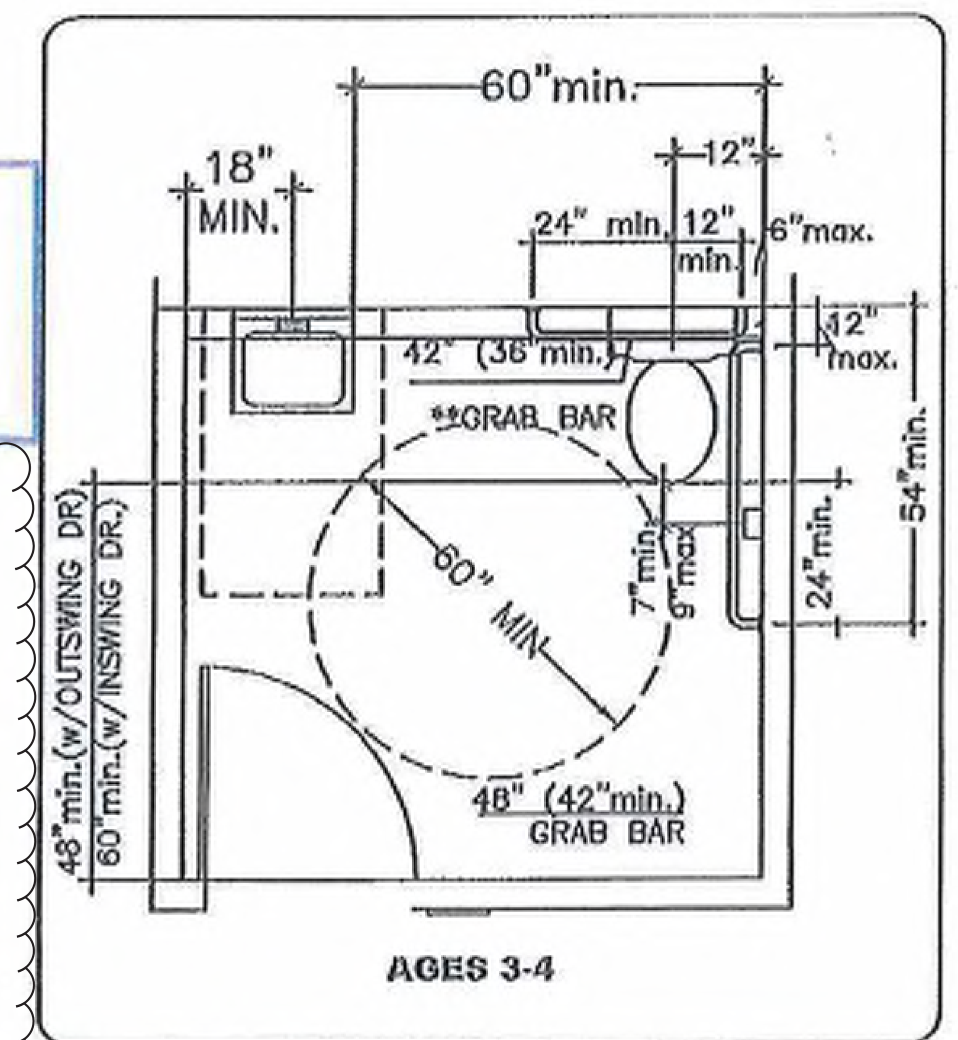
A-1a FLRPLN 36x40 STOCKPILE

C:\Users\jorge.hernandez\Documents\CAD DWG's\DSA\LARRY\36x40stock pile

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119005 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/24/2020







3 DETAIL **NOTE:
WHERE FLUSH VALVES OR TOILET TANKS CONFLICT WITH THE REAR GRAB BAR, THE 36" REAR GRAB BAR SHALL BE REPLACED W/ A 24" GRAB BAR AND SHIFTED TO THE OPEN SIDE OF THE TOILET AREA PER 11B-604.5.2. PROVIDE A 24" GRAB BAR AT THE SAME ELEVATION AS THE SIDE GRAB BAR WITH 1 ½" MIN. CLEARANCE FROM FIXTURE OR CONTROL VALVE.

EXISITING STOCKPILE ALTERATIONS 36X40 A#04-114454			
UNIT MANUF. BY (ID)	DATE OF MFR.	SIZE OF UNIT	MFR. SERIAL NUMBER
AURORA	9/1/96	12X40	16286
AURORA	9/1/96	12X40	16285
AURORA	9/1/96	12X40	15495

36X40 DSA w/2-RESTROOMS
BID 79751
EXISTING A# 65601
KINDER TOILETS
COLD WATER ONLY
2/16/17

NOTES:

3A INTERIOR DOOR: 3'-0" X 7'-0" TIMLEY DOOR & FRAME
HARDWARE: TELL MPG LC2075 w/PRIVACY LOCK

APPROVED
DIVISION OF THE STATE ARCHITECT
ACS SL FLS RF SSR CN
A# 04- 114454 DATE 03.20.17

*ALL DIMENSIONS ARE NOMINAL AND MAY VARY DUE TO STRUCTURAL CONSIDERATION

MOBILE MODULAR
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SCALE: 1/8" = 1'
DATE: 2/16/17
mobile modular
DRAWN BY:
REV:
DRAWING NUMBER
A-1ab FLRPLN 36x40 STOCKPILE

C:\Users\jorge.hernandez\Documents\CAD DWG's\DSA\LARRY\36x40stock pile