MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

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LANDSCAPE ARCHITECT
PACIFIC COAST LAND DESIGN, INC.

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020*
2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR*
2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
(2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
(2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
(2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
(2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
(2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
(2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
2016 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS *(PER 2019 CBC PART 2 CH 35)*
NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

PARTIAL LIST OF APPLICABLE STANDARDS
NFPA 13 - STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED), 2016 EDITION
NFPA 14 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA AMENDED), 2016 EDITION
NFPA 17 - STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS, 2017 EDITION
NFPA 17A - STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS, 2017 EDITION
NFPA 20 - STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION, 2016 EDITION
NFPA 22 - STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION, 2013 EDITION
NFPA 24 - STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED), 2016 EDITION
NFPA 72 - NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED), 2016 EDITION
NFPA 80 - STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES, 2016 EDITION
NFPA 2001 - STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED), 2015 EDITION
UL 300 - STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT, 2005 (R2010)
UL 464 - AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES, 2003 EDITION
UL 521 - STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION
UL 1971 - STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED, 2002 (R2010)
ICC 300 - STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS, 2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

*ALL PARTS OF THE 2019 CALIFORNIA BUILDING CODE BECOME EFFECTIVE JANUARY 1, 2020 EXCEPT THE EFFECTIVE DATE FOR THE USE OF THE 2019 BUILDING ENERGY EFFICIENCY STANDARDS (TITLE 24, PART 1, CHAPTER 10) IS JANUARY 8, 2019 AND THE EFFECTIVE DATE FOR THE USE OF THE CALIFORNIA ADMINISTRATIVE CODE (TITLE 24, PART 1, CHAPTER 4) IS JANUARY 8, 2019.

KEY SECTIONS

AFF	ABOVE FINISHED FLOOR
ADJ	ADJUSTABLE
ALUM	ALUMINUM
AB	ANCHOR BOLT
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
@	AT
BM	BEAM
BRG	BEARING
BLKG	BLOCKING
BD	BOARD
BTM or B/	BOTTOM
BLDG	BUILDING
CB	CATCH BASIN
CLNG	CEILING
C/C	CENTER TO CENTER
CL	CENTERLINE
CO	CLEAN OUT
COL	COLUMN
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CJ	CONTROL JOINT
CRS	COURSE
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
EF	EACH FACE
EW	EACH WAY
EA	EACH
ELEC	ELECTRIC
EWC	ELECTRIC WATER COOLER
ELEV	ELEVATION
EQ	EQUAL
EXIST	EXISTING
EJ	EXPANSION JOINT
EXT	EXTERIOR
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
FOF	FACE OF FINISH
FRP	FIBER REINFORCED PLASTIC
FIN	FINISH
FF	FINISHED FLOOR
FEC	FIRE EXTINGUISHER CABINET
FRT	FIRE RETARDANT TREATED
FIXT	FIXTURE
FLR	FLOOR
FD	FLOOR DRAIN
GALV	GALVANIZED
GA	GAUGE
GC	GENERAL CONTRACTOR
GL	GLASS
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GYP BD	GYPSUM BOARD
HCPD	HANDICAPPED
HDWD	HARDWOOD
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HD	HEAVY DUTY
HC	HOLLOW CORE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HB	HOSE BIBB
WH	HOT WATER HEATER
HR	HOUR
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
JB	JOIST BEARING
LAM	LAMINATED PLASTIC
LL	LANDLORD
LH	LEFT-HAND
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LG	LONG
MH	MANHOLE
MFR	MANUFACTURER
MO	MASONRY OPENING
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MTL	METAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC or o.c.	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
OD	OUTSIDE DIAMETER
ORD	OVERFLOW ROOF DRAIN
PT	PAINT
PR	PAIR
PL	PLATE
+/-	PLUS OR MINUS
PLWD	PLYWOOD
POS	POINT OF SALE
PPT	PRESERVATIVE TREATED
P/L	PROPERTY LINE
PIP	PROTECT IN PLACE
QT	QUARRY TILE
RAD or R	RADIUS
RWC	RAIN WATER CONDUCTOR
REINF	REINFORCED
REQ'D	REQUIRED
REV	REVISION
RH	RIGHT HAND
ROW	RIGHT OF WAY
RD	ROOF DRAIN
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SF	SQUARE FEET
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
TEL	TELEPHONE
T&G	TONGUE AND GROOVE
T/	TOP OF
TOJ	TOP OF JOIST
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VCT	VINYL COMPOSITION TILE
VT	VINYL TILE
VWC	VINYL WALL COVERING
WC	WALL COVERING
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT
WD	WOOD
WO	WHERE OCCURS
WP	WORK POINT

DEMOLITION NOTES

1. IDENTIFY ALL DAMAGED ELEMENTS DESIGNATED TO REMAIN OR BE RELOCATED. REQUEST CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH DEMOLITION WORK.

2. GENERAL CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND VERIFYING DEMOLITION PLANS IN RELATION TO STRUCTURAL AND CONSTRUCTION DRAWINGS. CONTRACTOR SHALL VERIFY AND COORDINATE THE EXTENT OF DEMOLITION WORK WITH NEW WORK. THE ARCHITECT SHALL BE NOTIFIED OF ANY AND ALL CONFLICTS, DISCREPANCIES OR PROBLEMS.

3. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO DEMOLITION. THE CONTRACTOR SHALL BEWARE OF POTENTIAL HAZARDS FROM DEMOLITION WORK NEAR UTILITIES. PIPES AND CONDUIT ENCOUNTERED IN DEMOLISHED PARTITIONS AND AREAS WHICH ARE TO REMAIN IN USE SHALL BE RE-ROUTED AND CONCEALED. THOSE WHICH ARE TO BE ABANDONED SHALL BE CAPPED AND CONCEALED IN FLOOR, WALL OR CEILING.

4. THE GENERAL CONTRACTOR SHALL ERECT ALL NECESSARY TEMPORARY SOLID AND/OR PLASTIC DROP CLOTH PARTITIONS TO PROTECT AREAS TO REMAIN WHILE DEMOLITION AND CONSTRUCTION ARE IN PROGRESS.

5. BRACE AND SUPPORT EXISTING WORK PRIOR TO AND DURING DEMOLITION AND NEW WORK, AND UNTIL SAFE TO REMOVE SUCH BRACING AND SUPPORTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL STRUCTURAL SHORING DESIGN AND CALCULATIONS.

6. THE CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK REQUIRED INCLUDING THE REMOVAL AND PROPER DISPOSAL OF ALL DEBRIS, BROKEN CONCRETE, ETC., FROM THE SITE. PROPER SHORING SHALL BE EXECUTED FOR THE SAFETY OF THE STRUCTURE AND WORKMEN.

7. THE OWNER SHALL HAVE FIRST RIGHTS OF REFUSAL FOR ALL DEMOLISHED MATERIALS.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM DEMOLITION AT NO ADDITIONAL COST TO THE OWNER. THE GENERAL CONTRACTOR SHALL BE EXTREMELY CAREFUL TO PROTECT AND NOT TO DAMAGE ANY PORTION OF EXISTING INSTALLATION NOT BEING REMOVED. ANY EXISTING FACILITIES INDICATED TO REMAIN WHICH ARE SO DAMAGED SHALL BE REPLACED EQUAL TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER.

9. CUT EXISTING PORTIONS OF WALLS, FLOORS, CEILINGS, ETC., WHERE INDICATED AND AS NECESSARY FOR NEW WORK. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED, WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER, THE ARCHITECT AND THE AUTHORITY HAVING JURISDICTION.

10. ALL TRADES CONCERNED SHALL COORDINATE EACH OTHER'S WORKS PRIOR TO AND DURING DEMOLITION.

11. ANY PROJECTING OR SURFACE-MOUNTED ITEMS BEING ABANDONED SHALL BE REMOVED, CAPPED AND CONCEALED BEHIND FINISHED SURFACES, UNLESS OTHERWISE NOTED. PATCH AND FINISH TO MATCH EXISTING ADJACENT SURFACE.

12. SURFACES WHERE MATERIAL IS REMOVED TO INSTALL NEW WORK OR TO RECEIVE NEW FINISH SHALL BE REPAIRED AND PATCHED TO MATCH ORIGINAL CONDITIONS. RETEXTURE AND REPAINT WALL OR CEILING WHERE PATCHED TO MATCH EXISTING, WITH NO EVIDENCE THAT PATCH HAS OCCURRED.

13. ALL EXISTING AREAS TO REMAIN OR NEW CONSTRUCTION WORK THAT ARE DAMAGED SHALL BE PATCHED AS REQUIRED TO MATCH EXISTING ADJACENT AREA IN MATERIAL, FINISH AND COLOR, UNLESS OTHERWISE NOTED.

14. ALL EQUIPMENT AND MATERIAL WHICH ARE IN OPERATING CONDITION WHEN REMOVED SHALL BE MAINTAINED AS SUCH AND RETURNED TO THE OWNER OR TO BE REINSTALLED WHERE INDICATED. PROPERLY RECONNECT EQUIPMENT TO RESUME OPERATION.

15. THE PROVISIONS OF CFC & CBC CHAPTER 33 SHALL BE ENFORCED ON THIS PROJECT.

GENERAL NOTES

1. THESE CONDITIONS OF WORK ARE ESTABLISHED TO SUPPLEMENT THE CONDITIONS,TERMS, DEFINITIONS, RESPONSIBILITIES, AND PROCEDURES SET FORTH IN THE AIA A201 GENERAL CONDITIONS, LATEST EDITION, WHICH ARE INCORPORATED BY REFERENCE.

2. PERFORM WORK IN CONFORMANCE WITH THE ADOPTED EDITIONS OF THE INTERNATIONAL CODES OF THE GOVERNMENTAL ENTITY HAVING JURISDICTION AS REFERENCED HEREIN, AND CONFORM TO ALL OTHER APPLICABLE CODES, ORDINANCES, LAWS AND OTHER REGULATIONS AND STANDARDS OF EACH GOVERNMENTAL AGENCY AND BUREAU HAVING JURISDICTION OVER THE PROJECT.

3. DRAWINGS ARE INTENDED TO SHOW AND DESCRIBE DETAILS FOR A COMPLETE INSTALLATION. EXECUTE PARTS AND DETAILS NOT FULLY SHOWN OR DESCRIBED ACCORDING TO STANDARD AND CUSTOMARY TRADE PRACTICE AND IN SIMILAR MANNER OF DETAILS, WHICH ARE SHOWN ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS.

4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE BEFORE COMMENCING WORK AND SHALL RESOLVE ANY DISCREPANCIES WITH THE ARCHITECT. DO NOT OFF SITE FABRICATE ANY ASSEMBLIES, OR COMMENCE WITH CONSTRUCTION UNTIL VERIFICATION OF THE ACCURACY OF THE DRAWING DIMENSIONS ARE ESTABLISHED WITH ACTUAL FIELD CONDITIONS.

5. ALL CONTRACTORS ARE RESPONSIBLE FOR THE DAILY REMOVAL OF ALL ACCUMULATED DEBRIS RESULTING FROM THEIR WORK THAT DAY. LAWFULLY DISPOSE OF ALL SCRAPS, DEBRIS AND OTHER EXCESS MATERIALS OFF SITE UNLESS OTHERWISE DIRECTED BY THE OWNER OR THEIR AGENT.

6. DO NOT USE SCALED DIMENSIONS. USE WRITTEN DIMENSIONS OR WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

7. DETAILS SHOWN SHALL BE INCORPORATED INTO THE PROJECT AT ALL APPROPRIATE LOCATIONS WHETHER SPECIFICALLY CALLED OUT OR NOT.

8. OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND RESOLVED BEFORE PROCEEDING WITH THE WORK.

9. WHERE ANY DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN. WHERE NO SPECIFIC DETAIL IS SHOWN IT IS THE ARCHITECT'S INTENTION THAT CONSTRUCTION CONFORM TO SIMILAR WORK ON THE PROJECT.

10. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND ASSOCIATED OR RELATED WORK PRIOR TO COMMENCING CONSTRUCTION.

11. OWNER IS RESPONSIBLE FOR ALL PERMIT FEES AND CONSTRUCTION DOCUMENT PRINTING COSTS ASSOCIATED WITH EXECUTION OF THE WORK.

12. SHOP DRAWINGS ARE MEANT TO COMPLIMENT AND CLARIFY THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL REVIEW SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE ARCHITECT. HOWEVER, THE ARCHITECTS REVIEW AND APPROVAL DOES NOT RELIEVE CONTRACTOR OF HIS RESPONSIBILITY TO VERIFY CONFORMANCE WITH CONSTRUCTION DOCUMENTS. WHEN DISCREPANCIES ARE FOUND BETWEEN SHOP DRAWINGS AND CONSTRUCTION DOCUMENTS, NOTIFY THE ARCHITECT AND HAVE THE SHOP DRAWINGS REVISED PRIOR TO SUBMITTAL. SHOP DRAWING LITERATURE SHALL BE SUBMITTED FOR ALL STEEL FABRICATIONS, DOORS, AND HARDWARE, PAINT, AND ELECTRICAL FIXTURES AND GEAR.

13. CONTRACTOR SHALL PROVIDE BACKING BEHIND FINISHED WALL AND CEILING SURFACES FOR SUPPORT AND ATTACHMENT OF CASEWORK, SHELVING, MIRRORS, COUNTERS, WALL STOPS, AND ALL FIXED ACCESSORIES.

14. ARCHITECT RESERVES THE RIGHT TO ORDER REMOVAL/REINSTALLATION OF ANY WORK WHICH DOES NOT, IN THE OPINION OF THE ARCHITECT, MAINTAIN THE HIGHEST QUALITY OF WORKMANSHIP STANDARDS OF A TRADE OR CRAFT.

15. ALL FIRE DEPARTMENT CONNECTIONS SHALL BE SECURED W/ KNOX BOX LOCKING CAPS COMPATIBLE W/ VENTURA FIRE DISTRICT EQUIPMENT.

16. KEYS TO ALL EXTERIOR DOORS SHALL BE PROVIDED TO VENTURA FIRE DISTRICT AT THE TIME OF THE FINAL FIRE INSPECTION FOR INSTALLATION IN THE FIRE DEPARTMENT KEY BOX.

17. ALL TELECOMMUNICATIONS/DATA/SECURITY/FIRE SYSTEMS INCLUDING ANY REQUIRED WIRING, GROUNDING DEVICES, AND EQUIPMENT (UNLESS SPECIFICALLY NOTED OTHERWISE) SHALL BE FURNISHED AND INSTALLED BY TENANT'S AGENT/CONTRACTOR. GENERAL CONTRACTOR SHALL NOT BE RESPONSIBLE FOR DAMAGE CAUSED TO WORK BY THE TENANT'S AGENT/CONTRACTOR.

18. 'OR EQUAL' PRODUCTS/MANUFACTURERS MAY BE SUBMITTED W/ CONTRACTOR REVIEW. 'OR EQUAL' SUBMITTAL SHALL BE COMPLETE WITH ORIGINAL SPECIFICATIONS OF THE SPECIFIED PRODUCT AND SPECIFICATIONS OF THE 'OR EQUAL' PRODUCT.

DRAWING INDEX

51 SHEETS TOTAL

DEFERRED APPROVAL ITEMS

1. STOREFRONT WINDOW SYSTEM

SCOPE OF WORK

PROJECT CONSISTS CONVERSION OF (E) CLASSROOMS 1 & 2 INTO PUBLIC LIBRARY SPACE, REMODEL OF INTERIOR SPACES TO PROVIDE STUDY ROOMS AND AN ACCESSIBLE RESTROOM, UPGRADES TO FIRE ALARM THROUGHOUT BUILDING C, AND EXTERIOR IMPROVEMENTS TO ADJACENT OUTDOOR SPACES.

VICINITY MAP

CODE ANALYSIS

BUILDING OCCUPANCY CLASSIFICATION (CH. 3):	A-3, E
CONSTRUCTION TYPE (CH. 6):	VB
AUTOMATIC SPRINKLER SYSTEM (CH. 9):	NOT SPRINKLERED
MIXED-USE SEPARATION (CH. 5)	NON-SEPARATED (508.3)

ALLOWABLE BUILDING HEIGHT, STORIES AND AREA (CH. 5)
THE MOST RESTRICTIVE ALLOWANCES FOR THE OCCUPANCY GROUPS HAVE BEEN USED FOR THE VALUES LISTED BELOW PER CBC 508.3:

ALLOWABLE HEIGHT:	**40'-0"**
ALLOWABLE STORIES ABOVE GRADE:	**1**
ALLOWABLE AREA (SEE SHEETG3.0):	

EQUATION 5-1 (FRONTAGE INCREASE NOT USED)
Aa = At + (NS x If)

At = 6,000 SF
Ns = 6,000 SF
If = 0 (NOT USED)

Aa (ALLOWABLE FLOOR AREA) = **6,000 SF** PER FLOOR

PROPOSED BUILDING HEIGHT, STORIES AND AREA
NO CHANGES TO THE TOTAL BUILDING HEIGHT AND NUMBER OF STORIES.

HEIGHT:	**14'-0"**
STORIES:	**1**
FLOOR AREA:	4,290 SF
FLOOR AREA WITHOUT EXTERIOR WALLS:	150 SF
TOTAL FLOOR AREA:	**4,440 SF**

FIRE RESISTANCE RATING REQUIREMENTS (TABLE 601):

STRUCTURAL FRAMING:	0 HR
BEARING WALLS:	0 HR
NONBEARING WALLS:	0 HR
ROOF CONSTRUCTION:	0 HR

FIRE ALARM AND SPRINKLER SYSTEMS (CHAPTER 9):
A FIRE ALARM SYSTEM SHALL BE PROVIDED THAT COMPLIES WITH NFPA 72 AND SECTION 907.2.2.

THE BUILDING IS NOT REQUIRED TO BE SPRINKLERED FOR A-3 AND E OCCUPANCIES WHERE THE FIRE AREA IS LESS THAN 12,000SF, OCCUPANCY LOAD IS LESS THAN 300 AND THE FIRE AREA IS AT THE LEVEL OF EXIT DISCHARGE PER CBC 903.3.2.3 & 903.2.1.3

OCCUPANT LOAD (TABLE 1004.5): **45 OCCUPANTS**
NOTE: SEE SITE PLAN SHEET A1.10 AND FLOOR PLAN SHEET A2.10 FOR LOAD CALCULATIONS

NUMBER OF EXITS (SECTION 1006):

MINIMUM NUMBER OF EXITS:	2 EXIT
NUMBER OF EXITS PROVIDED:	4 EXITS

NOTE: SEE SHEET A2.10 FOR EGRESS PLANS

CALIFORNIA ENERGY CODE

THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.

LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).

MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.

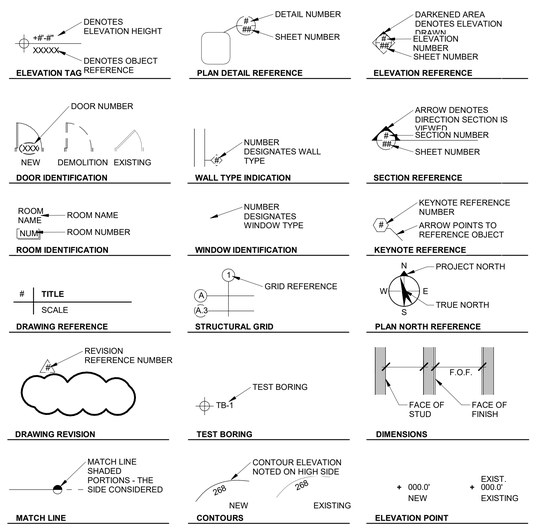
ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL BE PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.

A LISTING OF CERTIFIED ATT CAN BE FOUND AT: HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE.

THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.

PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

STANDARD SYMBOLS



ARCHITECT'S STATEMENT OF GENERAL CONFORMANCE

☒ THE DRAWINGS OR SHEETS LISTED ON THE COVER SHEET OR INDEX SHEET

☐ THIS DRAWING, PAGE OR SPECIFICATION/CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THE STATE. IT HAS BEEN EXAMINED BY ME FOR:
1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OR REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THE PROJECT.

I CERTIFY THAT:
☒ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET
☐ THIS DRAWING OR PAGE

☒ IS/ARE IN GENERAL CONFORMANCE AND
☒ HAVE BEEN COORDINATED

SIGNATURE — DATE: 8/3/2022

ARCHITECT IN RESPONSIBLE CHARGE: JAMES ARMSTRONG
LICENSE NUMBER: C 22059
EXPIRATION DATE: 05/31/2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

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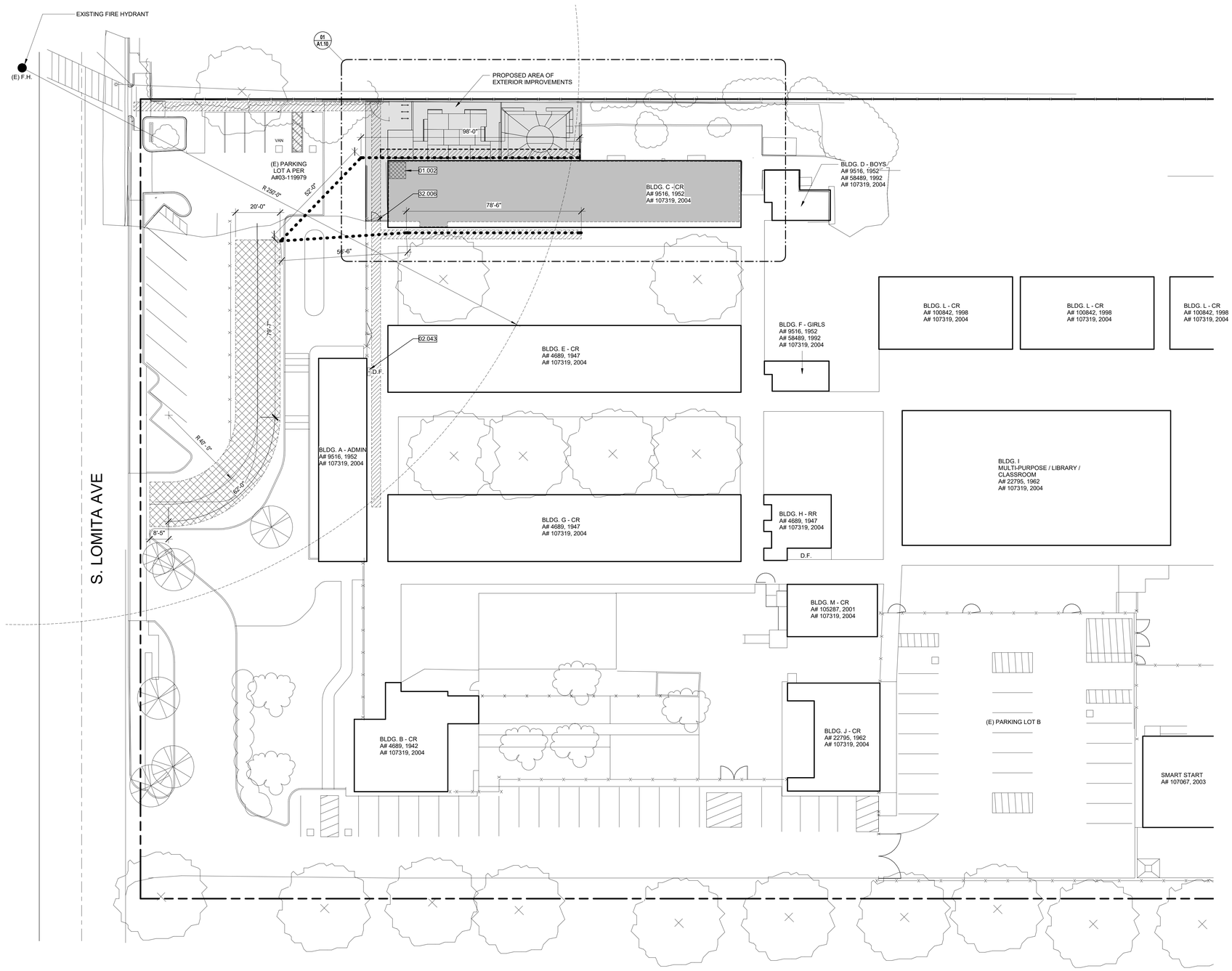
JAMES C. ARMSTRONG — No. 22059 — LICENSED ARCHITECT — STATE OF CALIFORNIA

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION
400 S LOMITA AVE, OJAI, CA 93023

Drawn By: Author
Project No.: 18637

No.	Date	Issue
	8/2/2022	DSA Submittal 2

G1.00
COVER SHEET



1 ACCESSIBILITY SITE PLAN
1" = 20'-0"

GENERAL NOTES

1. ALL GRATINGS IN PATH OF TRAVEL SHALL HAVE GAPS NO GREATER THAN 1/2" IN ALL DIRECTIONS. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.
2. ALL EXISTING BUILDINGS, PARKING LOTS, PATHS OF TRAVEL, SANITARY FACILITIES, DRINKING FOUNTAINS, SIGNAGE & PUBLIC TELEPHONES DSA CERTIFIED UNDER PREVIOUS DSA APPROVED PROJECTS.

PREVIOUS DSA APPLICATIONS

BUILDING	A#
BLDG A	9516, 107319
BLDG B	4689, 107319
BLDG C	9516, 107319
BLDG D	9516, 58489, 107319
BLDG E	4689, 107319
BLDG F	9516, 58489, 107319
BLDG G	4689, 107319
BLDG H	4689, 107319
BLDG I	22795, 107319
BLDG J	22795, 107319
BLDG L	100842, 107319
BLDG M	105287, 107319

KEYNOTES

NO.	DESCRIPTION
01.002	ACCESSIBLE RESTROOM, REFER TO A2.10 FOR ADDITIONAL INFORMATION
02.043	(E) ACCESSIBLE DRINKING FOUNTAIN
32.006	PROVIDE ACCESSIBLE GATE, REFER TO A2.10 AND A7.10 FOR ADDITIONAL INFORMATION

LEGEND

- EXISTING PROPERTY LINE
- EXISTING SITE FENCE
- PROPOSED AREA OF WORK
- EXISTING PATH OF TRAVEL PER A#03-119979
- (E) F.H. — EXISTING FIRE HYDRANT
- EXISTING FIRE ACCESS ROAD: 20' WIDE ACCESS ROUTE WITH 40' WIDE MIN. TURN RADIUS
- HOSE PULL, 150' MAXIMUM DISTANCE
- D.F. — (E) ACCESSIBLE DRINKING FOUNTAIN
- PROPOSED PATH OF TRAVEL: ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:12 OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX, AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

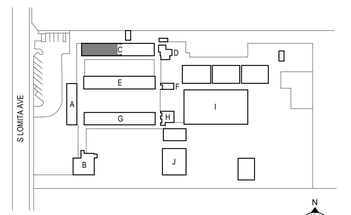
ARCHITECTS STATEMENT:

REFER TO DSA PR 15_01

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

KEY PLAN



DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PL 09-01: Fire Flow for Buildings.*

PROJECT INFORMATION	
School District/Owner:	Ojai Unified School District
Project Name/School:	Meiners Oaks Elementary School - Public Library Conversion
Project Address:	400 S. Lomita Ave, Ojai, CA 93023

FIRE & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☑		No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☑		No ☐
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐		No ☑
	Refer to the following website for FHSZ locations: http://egis.fire.ca.gov/FHSZ/	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			X	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			X	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			X	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			X	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION			
LFA Agency Name:	Ventura County Fire Dept		
LFA Review Official:	Lori Ross		
Title:	Senior Fire Inspector	Work Phone:	
Work Email:	Lori.ross@ventura.org		
LFA Reviewer's Signature:	Lori Ross	Date:	12 / 15 / 2021

VENTURA COUNTY FIRE PROTECTION DISTRICT
FIRE PREVENTION BUREAU
165 DURLEY AVENUE
CAMARILLO, CA 93010
www.vcfd.org
Office: 805-389-9738 Fax: 805-388-4356

FIRE PREVENTION FORM 625
FIRE-FLOW VERIFICATION

SECTION I – PROJECT INFORMATION
(To Be Completed by Applicant)

Project Name: Meiners Oaks Elementary — APN: 017033005
Project Address: 400 S. Lomita Ave. — City: Ojai

SECTION II – INFORMATION ON FIRE-FLOW AVAILABILITY
(To Be Completed by Water Purveyor)

System Information:
Water Purveyor: Meiners Oaks Water District
Size & Location of Main: 8" DIP across from parcel — Distance to Parcel: 50'
Size of Reservoir Serving Test Hydrants: 1.75 mg

Hydrant Information:
Location of Residual Hydrant: 365 S Lomita Ave — Distance to Parcel: * 170
Location of Flow Hydrant: 345 S Lomita Ave — Distance to Parcel: * 335
Type: wet — Size: 6" — # of Outlets: 1 @ 4", 2 @ 2½"
* Distance to parcel shall be measured along the vehicular access

Test Result Information:
Method Used to Obtain Results: Hydraulic Model ☐ Flow Test ☑
Date of Test: 12/21/2021 — Time of Test: 9:40 ☐ AM ☑ PM
Static PSI: 85 — Residual PSI: 68 — Orifice: 2.5 — Pitot: 48
Observed GPM: 1143 — Calculated GPM @ 20 psi: 1896 — Capacity Duration: 15.5 hrs

I have witnessed and/or reviewed this water flow information and by personal knowledge and/or on-site observation certify that the above information is correct.
Name: Kurt Mayer
Signature: Kurt Mayer — Date: 12/21/2021
Title: Utility Worker II — Company: Meiners Oaks Water District
Phone: (805) 947-7211

☐ Private on-site water system proposed. Separate plan submittal required.
☐ Water purveyor approves use of private water system. (Purveyor signature required above)
Fire District Record Number: _____

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

onyx | creative
2300 Knoll Drive, Suite A
Ventura, CA 93003
805.644.8189

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

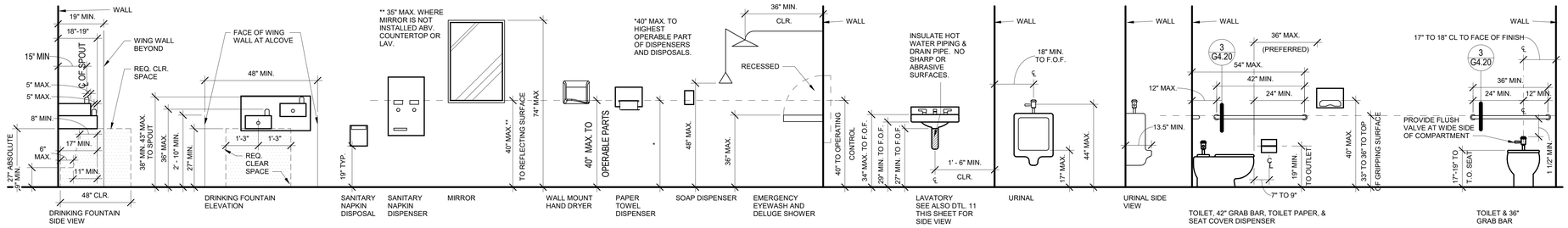
400 S LOMITA AVE,
OJAI, CA 93023

Drawn By:	Author
Project No.:	18637

No.	Date	Issue
	8/2/2022	DSA Submittal 2

G3.01

SITE ACCESSIBILITY AND FIRE ACCESS PLAN



1 ACCESSIBILITY DETAILS

1/2" = 1'-0"

DIMENSIONS FOR ACCESSIBILITY IN FACILITIES

TOILET (CENTERLINE) FROM WALL	17" - 18"
TOILET SEAT HT. (FF TO TOP OF SEAT)	17" - 19"
GRAB BAR HT. (FF TO TOP OF GRIPPING SURFACE)	33" - 36"
TOILET PAPER (CENTERLINE) IN FRONT OF TOILET SEAT EDGE	7" - 9"
NAPKIN DISPOSAL IN FRONT OF TOILET SEAT EDGE	NO REQUIREMENT
DISPENSER, DISPOSAL, OPERABLE PARTS OR MIRROR HT.	40" MAX.
LAVATORY / SINK TOP HT.	34" MAX.
LAVATORY / SINK KNEE CLEARANCE	27" MIN.
URINAL LIP HT.	17" MAX.
URINAL FLUSH HANDLE HEIGHT	44" MAX.
LOW DRINKING FOUNTAIN BUBBLER HT.	36" MAX.
HIGH DRINKING FOUNTAIN BUBBLER HT.	38" -43"
DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.
RAMP / STAIR HANDRAIL HT.	34" - 38"
DESKTOP HEIGHT	26" - 30"
DESK KNEE SPACE	27" MIN.
F.E. CABINET HANDLE & F.E. HANDLE	48" MAX.

5 REQUIRED DIMENSIONS

N.T.S.

4 GRAB BAR SUPPORT

N.T.S.

NOTES:
FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS. LEVER OPERATED. PUSH TYPE & ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

LEGEND

INDICATES REQUIRED CLEAR SPACE UNDER LAVATORY

3 ACCESSIBLE SINK CLEARANCE

N.T.S.

SANITARY FACILITIES NOTES

1. IDENTIFICATION: DOORWAYS LEADING TO MEN'S SANITARY FACILITIES, SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE 1/4 INCH THICK WITH EDGES 12 INCHES LONG AND A VERTEX POINTING UPWARD. WOMEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4 INCH THICK AND 12 INCHES IN DIAMETER. UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4 INCH THICK, 12 INCHES IN DIAMETER WITH A 1/4 INCH THICK TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12 INCH DIAMETER. THESE GEOMETRIC SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 58 TO 60 INCHES ABOVE FINISH FLOOR AND THEIR COLOR SHALL CONTRAST WITH THE COLOR OF THE DOOR. SEE ACCESSIBILITY SIGNAGE CRITERIA FOR ADDITIONAL REQUIREMENTS.

2. PASSAGEWAYS: PASSAGEWAYS LEADING TO SANITARY FACILITIES SHALL HAVE A CLEAR ACCESS AS SPECIFIED IN CHAPTER 11B DIVISION 4.

A. ALL DOORWAYS LEADING TO SUCH SANITARY FACILITIES SHALL HAVE A CLEAR OPENING WIDTH OF 32 INCHES (813 MM) MIN., AND 34 INCHES (864 MM) MIN. CLEAR FOR SIDE ENTRY.
B. LEVEL AREA: SHALL COMPLY WITH CBC SECTION 11B-404.2.4

3. TOILET FACILITIES

3.1 MULTIPLE-ACCOMMODATION TOILET FACILITIES: MULTIPLE-ACCOMMODATION TOILET FACILITIES SHALL HAVE THE FOLLOWING:

A. WHEELCHAIR CLEARANCE. A CLEAR SPACE MEASURED FROM THE FLOOR TO A HEIGHT OF 27 INCHES ABOVE THE FLOOR, WITHIN THE SANITARY FACILITY ROOM, OF SUFFICIENT SIZE TO INSCRIBE A CIRCLE WITH A DIAMETER NOT LESS THAN 60 INCHES. DOORS SHALL NOT SWING INTO THE FLOOR SPACE REQUIRED FOR ANY FIXTURE. THE LAYOUT OF THE COMPARTMENTS SHALL COMPLY WITH CBC FIGURE 11B-604.8.1.1.2 OR 11B-604.8.1.1.3.
B. CLEAR SPACE: THE COMPARTMENT SHALL PROVIDE A CLEAR SPACE OF MINIMUM 60 INCHES FROM THE SIDE WALL NEXT TO A FIXTURE AND 56 INCHES DEEP FROM THE WALL BEHIND THE TOILET. THERE SHALL BE 17 TO 18 INCHES FROM THE CENTERLINE OF THE WATER CLOSET TO THE WALL. A MINIMUM 48-INCH-LONG CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET IF THE COMPARTMENT HAS AN END-OPENING DOOR (FACING THE WATER CLOSET). A MINIMUM 60 INCH-LONG CLEAR SPACE SHALL BE PROVIDED IN A COMPARTMENT WITH THE DOOR LOCATED AT THE SIDE AND OPENING OUT. PROVIDE MINIMUM 72" IF THE DOOR IS OPENING IN. GRAB BARS SHALL NOT PROJECT MORE THAN 3 INCHES INTO THE CLEAR SPACES AS SPECIFIED ABOVE.
C. COMPARTMENT DOORS: WATER CLOSET COMPARTMENT SHALL BE EQUIPPED WITH A DOOR THAT HAS AN AUTOMATIC-CLOSING DEVICE, AND SHALL HAVE A CLEAR, UNOBSTRUCTED OPENING WIDTH OF 32 INCHES WHEN LOCATED AT THE END AND 34 INCHES WHEN LOCATED AT THE SIDE WITH THE DOOR POSITIONED AT AN ANGLE OF 90 DEGREES FROM ITS CLOSED POSITION. DOORS SHALL COMPLY WITH STANDARD ACCESSIBLE CLEARANCES, EXCEPT THAT IF THE APPROACH IS FROM THE PUSH SIDE OF THE COMPARTMENT DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 48 INCHES MINIMUM MEASURED PERPENDICULAR TO THE COMPARTMENT DOOR IN ITS CLOSED POSITION.

THE INSIDE AND OUTSIDE OF THE COMPARTMENT DOOR SHALL BE EQUIPPED WITH A LOOP OR U-SHAPED HANDLE IMMEDIATELY BELOW THE LATCH, MOUNTING HEIGHT OF 34" TO 44" A.F.F. THE LATCH SHALL BE FLIP-OVER STYLE, SLIDING OR OTHER HARDWARE NOT REQUIRING THE USER TO GRASP OR TWIST. EXCEPT FOR DOOR-OPENING WIDTHS AND DOOR SWINGS, A CLEAR, UNOBSTRUCTED ACCESS OF NOT LESS THAN 44 INCHES SHALL BE PROVIDED TO WATER CLOSET COMPARTMENTS DESIGNED FOR USE BY PERSONS WITH DISABILITIES AND THE SPACE IMMEDIATELY IN FRONT OF A WATER CLOSET COMPARTMENT SHALL NOT BE LESS THAN 48 INCHES (1219 MM) AS MEASURED AT RIGHT ANGLES TO COMPARTMENT DOOR IN ITS CLOSED POSITION.

3.2 SINGLE-ACCOMMODATION TOILET FACILITIES: THERE SHALL BE SUFFICIENT SPACE IN THE TOILET ROOM FOR A WHEELCHAIR MEASURING 30 INCHES WIDE BY 48 INCHES LONG TO ENTER THE ROOM AND PERMIT THE DOOR TO CLOSE. THERE SHALL BE IN THE ROOM A CLEAR FLOOR SPACE OF AT LEAST 60 INCHES IN DIAMETER. THE WATER CLOSET SHALL BE LOCATED IN A SPACE WHICH PROVIDES A CLEAR SPACE OF MINIMUM 60 INCHES FROM THE SIDE WALL NEXT TO A FIXTURE AND 56 INCHES DEEP FROM THE WALL BEHIND THE TOILET. THERE SHALL BE 17 TO 18 INCHES FROM THE CENTERLINE OF THE WATER CLOSET TO THE WALL. A MINIMUM 48 INCHES OF CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. DOORS ARE PERMITTED TO SWING OVER FIXTURE CLEAR SPACES IN SINGLE-ACCOMMODATION TOILET FACILITIES. ALL DOORS, FIXTURES AND CONTROLS SHALL BE ON AN ACCESSIBLE ROUTE. THE MINIMUM CLEAR WIDTH OF AN ACCESSIBLE ROUTE SHALL BE 36 INCHES EXCEPT AT DOORS.

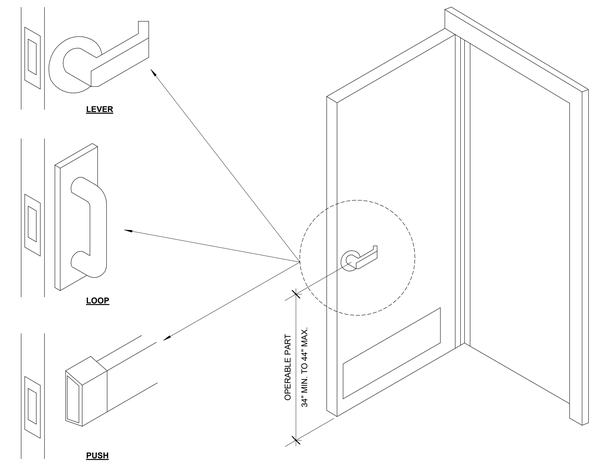
4. GRAB BARS
A. LOCATION: GRAB BARS LOCATED ON EACH SIDE, OR ONE SIDE AND THE BACK OF THE ACCESSIBLE TOILET STALL OR COMPARTMENT, SHALL BE SECURELY ATTACHED AT 33 TO 36 INCHES ABOVE THE FLOOR, MEASURED TO THE TOP OF THE GRIPPING SURFACE. SIDE GRAB BARS SHALL BE AT LEAST 42 INCHES LONG, LOCATED 12 INCHES MAX FROM THE REAR WALL WITH THE FRONT END POSITIONED 24 INCHES IN FRONT OF THE WATER CLOSET. REAR GRAB BARS SHALL NOT BE LESS THAN 36 INCHES LONG, AND SHALL EXTEND 12" TO ONE SIDE AND 24" INCHES TO OTHER SIDE OF WATER CLOSET CENTERLINE.
B. DIAMETER OR WIDTH: THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE 1-1/4 INCHES TO 2 INCHES (32 MM TO 51 MM) OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. IF GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BARS SHALL BE 1-1/2 INCHES (38 MM). SEE FIGURE 11B-609.2.2.
C. STRUCTURAL STRENGTH: GRAB BARS, TUB AND SHOWER SEATS, FASTENERS, AND MOUNTING DEVICES SHALL BE ABEL TO RESIST A 250 POUND POINT LOAD APPLIED AT ANY POINT ON THE ASSEMBLY PER 11B-609.8. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
D. SURFACE: A GRAB BAR AND ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH (3.2 MM).
E. PROJECTION: THE GRAB BAR SHALL NOT PROJECT MORE THAN 4" INTO THE REQUIRED CLEAR FLOOR SPACE. CBC SECTION 11B-604.3.2

5. TOILET ROOM FIXTURES AND ACCESSORIES
A. LAVATORY FIXTURES: A CLEAR FLOOR SPACE 30 INCHES BY 48 INCHES SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW A FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL EXTEND INTO KNEE AND TOE SPACE UNDERNEATH THE LAVATORY. TOE SPACE SHALL EXTEND MINIMUM 9 INCHES ABOVE FINISH FLOOR AND SHALL EXTEND MINIMUM 17 INCHES AND MAXIMUM 19 INCHES UNDER THE LAVATORY. KNEE SPACE SHALL BE 11 INCHES DEEP MINIMUM AT 9 INCHES ABOVE THE FINISH FLOOR, 8 INCHES DEEP MINIMUM AT 27 INCHES ABOVE THE FINISH FLOOR, AND 29 INCHES ABOVE THE FINISH FLOOR AT THE EDGE OF THE LAVATORY SINK.
B. MIRRORS SHALL BE MOUNTED WITH THE BOTTOM EDGE MAX 40 INCHES FROM THE FLOOR WHERE INSTALLED ABOVE LAVATORIES OR COUNTERTOPS. WHERE MIRRORS ARE INSTALLED ELSEWHERE, ONE SHALL BE LOCATED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAX ABOVE FINISH FLOOR.
C. TOWEL, SANITARY NAPKINS, WASTE RECEPTACLES, AND OTHER SIMILAR DISPENSING AND DISPOSAL FIXTURES: WHERE PROVIDED, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED WITH ALL OPERABLE PARTS, INCLUDING COIN SLOTS, WITHIN 40 INCHES FROM THE FINISHED FLOOR.

D. TOILET TISSUE DISPENSERS: THE TOILET TISSUE DISPENSER AT EACH ACCESSIBLE TOILET SHALL BE LOCATED ON THE WALL SO THAT THE CENTERLINE OF THE DISPENSER IS 7 TO 9 INCHES HORIZONTALLY IN FRONT OF THE FRONT EDGE OF THE TOILET SEAT, WITH THE BOTTOM OF THE DISPENSER BELOW THE GRAB BAR AND 19 INCHES MINIMUM ABOVE FINISH FLOOR TO CENTERLINE OF ROLL OR DELIVERY HEIGHT. DISPENSERS THAT CONTROL DELIVERY OR THAT DOES NOT PERMIT CONTINUOUS PAPER FLOW SHALL NOT BE USED. LIMIT THE PROJECTION OF A SURFACE OR SEMI-RECESS MOUNTED DISPENSER FROM ENCROACHING MORE THAN FOUR INCHES FROM THE FACE OF THE WALL OR PARTITION. DISPENSER SHALL NOT BE LOCATED BEHIND ANY GRAB BAR.
E. TOILET PAPER AND FEMININE NAPKIN DISPENSERS LOCATED ON THE GRAB BAR SIDE OF AN ACCESSIBLE TOILET ROOM OR STALL SHALL NOT BE LOCATED CLOSER THAN 1-1/2" CLEAR OF THE TANGENT POINT OF THE GRAB BAR. DO NOT LOCATE SURFACE MOUNTED ACCESSORIES ABOVE GRAB BARS
F. URINALS: WHERE URINALS ARE PROVIDED, AT LEAST ONE SHALL HAVE A CLEAR FLOOR SPACE 30 INCHES BY 48 INCHES IN FRONT OF THE URINAL TO ALLOW FORWARD APPROACH.
G. COAT HOOKS, SHELVES, AND SIMILAR ACCESSORIES SHALL BE LOCATED MINIMUM 40 INCHES AND MAXIMUM 48 INCHES ABOVE THE FINISH FLOOR, WHERE THE REACH IS NOT OBSTRUCTED.

2 SANITARY FACILITIES NOTES

N.T.S.



NOTES:

CBC 11B-404.2.7 DOOR AND GATE HARDWARE. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERABLE PARTS ON DOORS & GATES SHALL COMPLY WITH SECTION 11B-309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES (864 MM) MINIMUM AND 44 INCHES (118 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

CBC 11B-309.4 OPERATION. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM.

LEVERS. THE LEVER OF LEVER ACTUATED LATCHES OR LOCKS SHALL BE CURVED WITH A RETURN TO WITHIN 1/2" OF THE DOOR TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.

ADJUST DOOR CLOSERS SO THAT THE DOOR TAKES AT LEAST 5 SECONDS TO MOVE FROM 90 DEGREE OPEN POSITION TO A POSITION OF 12 DEGREES FROM LATCH PER CBC 11B-404.2.8.1

6 DOOR & GATE HARDWARE

N.T.S.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

onyx | creative
2300 Knoll Drive, Suite A
Ventura, CA 93003
805.644.8189

LICENSED ARCHITECT
JAMES C. ARMSTRONG
No. 31,304
STATE OF CALIFORNIA

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

400 S LOMITA AVE,
OJAI, CA 93023

Drawn By: Author
Project No.: 18637

No.	Date	Issue
	8/2/2022	DSA Submittal 2

G4.20

ACCESSIBILITY DETAILS

Division 5.1 – PLANNING AND DESIGN

SECTION 5.101 GENERAL

5.101.1 Scope. The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

SECTION 5.102 DEFINITIONS

5.102.1 Definitions. The following terms are defined in Chapter 2.

CUTOFF LUMINAIRES.

LOW-EMITTING AND FUEL EFFICIENT VEHICLES.

NEIGHBORHOOD ELECTRIC VEHICLE (NEV).

TENANT-OCCUPANTS.

VANPOOL VEHICLE.

ZEV.

SECTION 5.103 SITE SELECTION (Reserved)

SECTION 5.104 SITE PRESERVATION (Reserved)

SECTION 5.105 DECONSTRUCTION AND REUSE OF EXISTING STRUCTURES (Reserved)

SECTION 5.106 SITE DEVELOPMENT

5.106.1 Stormwater pollution prevention for projects that disturb less than one acre of land. Newly constructed projects and additions which disturb less than one acre of land and are not part of a larger common plan of development or sale shall prevent the pollution of stormwater runoff from the construction activities through one or more of the following measures:

5.106.1.1 Local ordinance. Comply with a lawfully enacted stormwater management and/or erosion control ordinance.

5.106.1.2 Best management practices (BMP's). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMP's.

1. Soil loss BMP's that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Scheduling construction activity during dry weather, when possible.
   b. Preservation of natural features, vegetation, soil, and buffers around surface waters.
   c. Drainage swales or lined ditches to control stormwater flow.
   d. Mulching or hydroseeding to stabilize disturbed soils.
   e. Erosion control to protect slopes.
   f. Protection of storm drain inlets (gravel bags or catch basin inserts).
   g. Perimeter sediment control (perimeter silt fence, fiber rolls).
   h. Sediment trap or sediment basin to retain sediment on site.
   i. Stabilized construction exits.
   j. Wind erosion control.
   k. Other soil loss BMP's acceptable to the enforcing agency.
2. Good housekeeping BMP's to manage construction equipment, materials, non-stormwater discharges, and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Dewatering activities.
   b. Material handling and waste management.
   c. Building materials stockpile management.
   d. Management of washout areas (concrete, paints, stucco, etc.).
   e. Control of vehicle/equipment fueling to contractor's staging area.
   f. Vehicle and equipment cleaning performed off site.
   g. Spill prevention and control.
   h. Other housekeeping BMP's acceptable to the enforcing agency.

5.106.2 Stormwater pollution prevention for projects that disturb one or more acres of land. Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development or sale.

Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development or sale must comply with the postconstruction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).

The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff (pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conservation design measures. Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural practices and be approved by the enforcing agency.

Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.

5.106.4 Bicycle parking. For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2.

5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5 percent of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.

Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

5.106.4.1.2 Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.3. For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility.

5.106.4.1.4. For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.5. Acceptable bicycle parking facility for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall be convenient from the street and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2.

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.

5.106.4.2.2 Staff bicycle parking. Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

5.106.5.2 Designated parking for clean air vehicles. In new projects or additions or alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as follows:

TABLE 5.106.5.2

TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES
0–9	0
10–25	1
26–50	3
51–75	6
76–100	8
101–150	11
151–200	16
201 and over	At least 8 percent of total

5.106.5.2.1 Parking stall marking. Paint, in the paint used for stall striping, the following characters such that the lower edge of the last word aligns with the end of the stall striping and is visible beneath a parked vehicle:

CLEAN AIR/
VANPOOL/EV

Note: Vehicles bearing Clean Air Vehicle stickers from expired HOV lane programs may be considered eligible for designated parking spaces.

5.106.5.3 Electric vehicle (EV) charging. [N] Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the *California Building Code*, the *California Electrical Code* and as follows:

5.106.5.3.1 Single charging space requirements. [N] When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the *California Electrical Code*. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.
2. A listed raceway capable of accommodating a 208/240-volt dedicated branch circuit.
3. The raceway shall not be less than trade size 1."
4. The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into a listed suitable cabinet, box, enclosure or equivalent.
5. The service panel or subpanel shall have sufficient capacity to accommodate a minimum 40-ampere dedicated branch circuit for the future installation of the EVSE.

5.106.5.3.2 Multiple charging space requirements. [N] When multiple charging spaces are required per Table 5.106.5.3.3 raceway(s) is/are required to be installed at the time of construction and shall be installed in accordance with the *California Electrical Code*. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.
2. The raceway(s) shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.
3. Plan design shall be based upon 40-ampere minimum branch circuits.
4. Electrical calculations shall substantiate the design of the electrical system, to include the rating of equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage.
5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.

5.106.5.3.3 EV charging space calculation. [N] Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.

Exceptions: On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:

1. Where there is insufficient electrical supply.
2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

TABLE 5.106.5.3.3

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CHARGING SPACES
0-9	0
10-25	1
26-50	2
51-75	4
76-100	5
101-150	7
151-200	10
201 and over	6 percent of total[1]

1. Calculation for spaces shall be rounded up to the nearest whole number.

5.106.5.3.4 [N] Identification. The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

5.106.5.3.5 [N] Future charging spaces. Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.

5.106.8 Light pollution reduction. [N] Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the *California Energy Code* for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the *California Administrative Code*; and
2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);
3. Uplight and Glare ratings as defined in *California Energy Code* (shown in Tables 130.2-A and 130.2-B in Chapter 8) and
4. Allowable BUG ratings not exceeding those shown in Table 5.106.8 [N], or

Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

1. Luminaires that qualify as exceptions in Section 140.7 of the *California Energy Code*.
2. Emergency lighting.
3. Building facade meeting the requirements in Table 140.7-B of the *California Energy Code*, Part 6.
4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.

Notes:

1. [N] See also *California Building Code*, Chapter 12, Section 1205.7 for college campus lighting requirements for parking facilities and walkways.
2. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, *California Energy Code* Tables 130.2-A and 130.2-B.
3. Refer to the *California Energy Code* for requirements for additions and alterations.

5.106.10 Grading and paving. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.

Exception: Additions and alterations not altering the drainage path.

TABLE 5.106.8 [N]
MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS[1,2]

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
Maximum Allowable Backlight Rating[3] (B)					
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1 – 2 MH from property line	N/A	B2	B3	B4	B4
Luminaire back hemisphere is 0.5 – 1 MH from property line	N/A	B1	B2	B3	B3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2
Maximum Allowable Uplight Rating (U)					
For area lighting[4]	N/A	U0	U0	U0	U0
For all other outdoor lighting, including decorative luminaires	N/A	U1	U2	U3	U4
Maximum Allowable Glare Rating[5] (G)					
Luminaire greater than 2 MH from property line	N/A	G1	G2	G3	G4
Luminaire front hemisphere is 1 – 2 MH from property line	N/A	G0	G1	G1	G2
Luminaire front hemisphere is 0.5 – 1 MH from property line	N/A	G0	G0	G1	G1
Luminaire front hemisphere is less than 0.5 MH from property line	N/A	G0	G0	G0	G1

1. IESNA Lighting Zones 0 are not applicable; refer to Lighting Zones as defined in the *California Energy Code* and Chapter 10 of the *California Administrative Code*.
2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.
3. If the nearest property line is less than or equal to two mounting heights from the back hemisphere of the luminaire distribution, the applicable reduced Backlight rating shall be met.
4. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet *U*-value limits for "all other outdoor lighting."
5. If the nearest property line is less than or equal to two mounting heights from the front hemisphere of the luminaire distribution, the applicable reduced Glare rating shall be met.

5.106.12 Shade trees. [DSA-SS] Shade trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.

Exceptions: The surface parking area covered by solar photovoltaic shade structures, or shade structures, with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.

5.106.12.2 Landscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.

Exception: Playfields for organized sport activity are not included in the total area calculation.

5.106.12.3 Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.

Exception: Walks, hardscape areas covered by solar photvoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.

Division 5.2 – ENERGY EFFICIENCY

SECTION 5.201 GENERAL

5.201.1 Scope. ***California Energy Code.*** For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

Division 5.3 – WATER EFFICIENCY AND CONSERVATION

SECTION 5.301 GENERAL

5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water used indoors, outdoors and in wastewater conveyance.

SECTION 5.302 DEFINITIONS

5.302.1 Definitions. The following terms are defined in Chapter 2.

CONSTRUCTION SITE.

DISINFECTED TERTIARY RECYCLED WATER.

EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF). [DSA-SS]

FOOTPRINT AREA [DSA-SS]

GRAYWATER.

METERING FAUCET.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO).

POTABLE WATER.

RECLAIMED (RECYCLED) WATER.

RECYCLED WATER.

RECYCLED WATER SUPPLY SYSTEM.

SPECIAL LANDSCAPE AREA (SLA). [DSA-SS]

SUBMETER.

SECTION 5.303 INDOOR WATER USE

5.303.1 Meters. Separate submeters or metering devices shall be installed for the uses described in Sections 5.303.1.1 and 5.303.1.2.

5.303.1.1 New buildings or additions in excess of 50,000 square feet. Separate submeters shall be installed as follows:

1. For each individual leased, rented, or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.
2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems:
   a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
   b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
   c. Steam and hot-water boilers with energy input more than 500,000 Btu/h (147 kW).

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.

5.303.2 Reserved.

5.303.3 Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

5.303.3.1 Water closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type Toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals.

5.303.3.2.1 Wall-mounted urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.

5.303.3.2.2 Floor-mounted urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads.

5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.

Note: A hand-held shower shall be considered a showerhead.

5.303.3.4 Faucets and fountains.

5.303.3.4.1 Nonresidential lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches) at 60 psi].

5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per cycle/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

5.303.4 Commercial kitchen equipment.

5.303.4.1 Food waste disposers. Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.

Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

5.303.5 Areas of addition or alteration. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Sections 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building.

5.303.6 Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable standards referenced in Table 1701.1 of the *California Plumbing Code* and in Chapter 6 of this code.

SECTION 5.304 OUTDOOR WATER USE

5.304.1 Outdoor potable water use in landscape areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.

Notes:

1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the *California Code of Regulations*, Title 23, Chapter 2.7, Division 2.
2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/.

5.304.6 Outdoor potable water use in landscape areas. For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, *California Code of Regulations*, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

SECTION 5.305 WATER REUSE SYSTEMS

5.305.1 Recycled water supply systems. Recycled water supply systems shall be installed in accordance with Sections 5.305.1.1, 5.305.1.2, and the *California Plumbing Code*.

5.305.1.1 Outdoor recycled water supply systems. All newly constructed nonresidential developments, where disinfected tertiary recycled water is available from a municipal source to a construction site, shall be provided with both a potable water supply system and a recycled water supply system. The recycled water supply system shall allow the use of reclaimed (recycled) water for aboveground and subsurface irrigation to all landscape irrigation systems.

For the purposes of Section 5.305.1.1, when a recycled water supply pipe is located within 300 feet from a construction site boundary, it shall be considered that reclaimed (recycled) water is available from a municipal source.

Exceptions:

1. Service areas in which the only reclaimed (recycled) water is used for potable purposes, or in which net nonpotable deliveries are anticipated to remain level or decrease as a result of the potable reuse project.
2. Where access to disinfected tertiary recycled water is not feasible and/or cost-efficient, as determined by the authority having jurisdiction in consultation with the recycled water purveyor.

   Note: A city, county, or city and county, in consultation with the recycled water purveyor, may further reduce the area for the mandate to install recycled water supply systems if the recycled water purveyor is unable to accommodate new services or unable to provide uninterruptable service.
3. A potable water supply system is not required for landscape irrigation if the landscape irrigation system is supplied with recycled water at the time of final inspection.
4. Potable water may be used with the recycled water supply system on a temporary basis, as allowed by the authority having jurisdiction in consultation with the recycled water purveyor.

5.305.1.2 Technical requirements for outdoor recycled water supply systems. Recycled water supply systems for outdoor applications shall meet the requirements of this code, and the California Code of Regulations, Title 17, Division 1, Chapter 5, Subchapter 1; Title 22, Division 4, Chapter 3; and Title 23, Division 2, Chapter 2.7, as applicable.

Division 5.4 – MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

SECTION 5.401 GENERAL

5.401.1 Scope. The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

SECTION 5.402 DEFINITIONS

5.402.1 Definitions. The following terms are defined in Chapter 2.

ADJUST.

BALANCE.

BUILDING COMMISSIONING.

ORGANIC WASTE.

TEST.

SECTION 5.403 FOUNDATION SYSTEMS (Reserved)

SECTION 5.404 EFFICIENT FRAMING TECHNIQUES (Reserved)

SECTION 5.405 MATERIAL SOURCES (Reserved)

SECTION 5.406 ENHANCED DURABILITY AND REDUCED MAINTENANCE (Reserved)

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 Weather protection. Provide a weather-resistant exterior wall and foundation envelope as required by *California Building Code* Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.

5.407.2 Moisture control. Employ moisture control measures by the following methods.

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste management company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.

5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1 through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at http://www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris (C&D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

5.408.2 Universal waste. [A] Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.

Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/LawsRegsPolicies/Regs/upload/OEARA_REGS_UWR_FinalText.pdf

5.408.3 Excavated soil and land clearing debris. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on-or off-site, of vegetation or soil contaminated by disease or pest infestation.

Notes:

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. (www.cdfa.ca.gov/exec/county/county_contacts.html)
2. For a map of known pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)

SECTION 5.409 LIFE CYCLE ASSESSMENT (Reserved)

SECTION 5.410 BUILDING MAINTENANCE AND OPERATION

5.410.1 Recycling by occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30 percent or more in floor area, shall provide recycling areas on site.

Exception: Additions within a tenant space resulting in less than a 30-percent increase in the tenant space floor area.

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the *Public Resources Code*. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.

5.410.2 Commissioning. [N] New buildings 10,000 square feet and over. For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated by the *California Energy Code* Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

Note: For energy-related systems under the scope (Section 100) of the *California Energy Code*, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to *California Energy Code* Section 120.8 for commissioning requirements.

Commissioning requirements shall include:

1. Owner's or owner representative's project requirements.
2. Basis of design.
3. Commissioning measures shown in the construction documents.
4. Commissioning plan.
5. Functional performance testing.
6. Documentation and training.
7. Commissioning report.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
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DATE: 11/09/2022

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805.644.9180

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

400 S LOMITA AVE,
OJAI, CA 93023

Drawn By: Author
Project No.: 18637

No.	Date	Issue
	8/2/2022	DSA Submittal 2

G5.00

GREEN BUILDING CODE STANDARDS

Exceptions:

1. Unconditioned warehouses of any size.
2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.
3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.
4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and or air conditioning.

Informational Notes:

1. IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for qualifications of commissioning personnel. AC 476 does not certify individuals to conduct functional performance tests or to adjust and balance systems.
2. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the *California Energy Code*.

5.410.2.1 Owner's or Owner representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:

1. Environmental and sustainability goals.
2. Building sustainable goals.
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations.

5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse systems.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:

1. General project information.
2. Commissioning goals.
3. Systems to be commissioned. Plans to test systems and components shall include:
   a. An explanation of the original design intent.
   b. Equipment and systems to be tested, including the extent of tests.
   c. Functions to be tested.
   d. Conditions under which the test shall be performed.
   e. Measurable criteria for acceptable performance.
4. Commissioning team information.
5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system- to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.

5.410.2.5 Documentation and training. [N] A systems manual and systems operations training are required, including Occupational Safety and Health Act (OSHA) requirements in *California Code of Regulations* (CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:

1. Site information, including facility description, history and current requirements.
2. Site contact information.
3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
4. Major systems.
5. Site equipment inventory and maintenance notes.
6. A copy of verifications required by the enforcing agency or this code.
7. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:

1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
2. Review and demonstration of servicing/preventive maintenance.
3. Review of the information in the systems manual.
4. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.

5.410.4 Testing and adjusting. New buildings less than 10,000 square feet. Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.1 (Reserved)

Note: For energy-related systems under the scope (Section 100) of the *California Energy Code*, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to *California Energy Code* Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific systems.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include, as applicable to the project:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, balance the system in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

Division 5.5 – ENVIRONMENTAL QUALITY

SECTION 5.501
GENERAL

5.501.1 Scope. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.

SECTION 5.502
DEFINITIONS

5.502.1 Definitions. The following terms are defined in Chapter 2.

ARTERIAL HIGHWAY.
A-WEIGHTED SOUND LEVEL (dBA).
1 BTU/HOUR.
COMMUNITY NOISE EQUIVALENT LEVEL (CNEL).
COMPOSITE WOOD PRODUCTS.
DAY-NIGHT AVERAGE SOUND LEVEL (Ldn).
DECIBEL (dB).
ENERGY EQUIVALENT (NOISE) LEVEL (L_{eq}).
EXPRESSWAY.
FREEWAY.
GLOBAL WARMING POTENTIAL (GWP).
GLOBAL WARMING POTENTIAL VALUE (GWP VALUE).
HIGH-GWP REFRIGERANT.
LONG RADIUS ELBOW.
LOW-GWP REFRIGERANT.
MERV.
MAXIMUM INCREMENTAL REACTIVITY (MIR).
PRODUCT-WEIGHTED MIR (PWMIR).
PSIG.
REACTIVE ORGANIC COMPOUND (ROC).
SCHRADER ACCESS VALVES.
SHORT RADIUS ELBOW.
SUPERMARKET.
VOC.

SECTION 5.503
FIREPLACES

5.503.1 Fireplaces. Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed wood-stove or pellet stove, and refer to residential requirements in the *California Energy Code*, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstove and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

SECTION 5.504
POLLUTANT CONTROL

5.504.1 Temporary ventilation. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30 percent based on ASHRAE 52.1-1992. Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.
2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with Section 94507.

TABLE 5.504.4.1
ADHESIVE VOC LIMIT[1,2]
Less Water and Less Exempt Compounds in Grams Per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
Indoor carpet adhesives	50
Carpet pad adhesives	50
Outdoor carpet adhesives	150
Wood flooring adhesive	100
Rubber floor adhesives	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesive not specifically listed	50
SPECIALTY APPLICATIONS	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement welding	250
Adhesive primer for plastic	550
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Top and trim adhesive	250
SUBSTRATE SPECIFIC APPLICATIONS	
Metal to metal	30
Plastic foams	50
Porous material (except wood)	50
Wood	30
Fiberglass	80

1. If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.
2. For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168. http://www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF.

TABLE 5.504.4.2
SEALANT VOC LIMIT
Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
Architectural	250
Marine deck	760
Nonmembrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420
SEALANT PRIMERS	
Architectural Nonporous Porous	250 775
Modified bituminous	500
Marine deck	760
Other	750

Note: For additional information regarding methods to measure the VOC content specified in these tables, see South Coast Air Quality Management District Rule 1168.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(e)(2) and (d)(2) of *California Code of Regulations*, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

1. Manufacturer's product specification
2. Field verification of on-site product containers

TABLE 5.504.4.3
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS[1, 2, 3]
Grams of VOC per Liter of Coating,
Less Water and Less Exempt Compounds

COATING CATEGORY	CURENT LIMIT
Flat coatings	50
Nonflat coatings	100
Nonflat-high gloss coatings	150
SPECIALTY COATINGS	
Aluminum roof coatings	400
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	350
Concrete/masonry sealers	100
Driveway sealers	50
Dry fog coatings	150
Faux finishing coatings	350
Fire resistive coatings	350
Floor coatings	100
Form-release compounds	250
Graphic arts coatings (sign paints)	500
High temperature coatings	420
Industrial maintenance coatings	250
Low solids coatings[4]	120
Magnesite cement coatings	450
Mastic texture coatings	100
Metallic pigmented coatings	500
Multicolor coatings	250
Pretreatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealers	350
Recycled coatings	250
Roof coatings	50
Rust preventative coatings	250
Shellacs Clear Opaque	730 550
Specialty primers, sealers and undercoaters	100
Stains	250
Stone consolidants	450
Swimming pool coatings	340
Traffic marking coatings	100
Tub and tile refinish coatings	420
Waterproofing membranes	250
Wood coatings	275
Wood preservatives	350
Zinc-rich primers	340

1. Grams of VOC per liter of coating, including water and including exempt compounds.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
3. Values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 1, 2008. More information is available from the Air Resources Board.

5.504.4.4 Carpet systems. All carpet installed in the building interior shall meet at least one of the following testing and product requirements:

1. Carpet and Rug Institute's Green Label Plus Program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1 or *Specification 01350)*;
3. NSF/ANSI 140 at the Gold level or higher;
4. Scientific Certifications Systems Sustainable Choice; or
5. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria and listed in the CHPS High Performance Product Database.

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program.

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.) Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

TABLE 5.504.4.5
FORMALDEHYDE LIMITS[1]
Maximum Formaldehyde Emissions in Parts per Million

PRODUCT	CURRENT LIMIT
Hardwood plywood veneer core	0.05
Hardwood plywood composite core	0.05
Particleboard	0.09
Medium density fiberboard	0.11
Thin medium density fiberboard[2]	0.13

1. Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E1333. For additional information, see *California Code of Regulations*, Title 17, Sections 93120 through 93120.12.
2. Thin medium density fiberboard has a maximum thickness of 5/16 inch (8 mm).

5.504.4.5.1 Early compliance. Reserved.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, *et seq.*).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.
5. Other methods acceptable to the enforcing agency.

5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:

1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;
3. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria and listed in the CHPS High Performance Product Database; or
4. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools Program).

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exception: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

5.504.7 Environmental tobacco smoke (ETS) control. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505
INDOOR MOISTURE CONTROL

5.505.1 Indoor moisture control. Buildings shall meet or exceed the provisions of *California Building Code*, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

SECTION 5.506
INDOOR AIR QUALITY

5.506.1 Outside air delivery. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the *California Energy Code*, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

5.506.2 Carbon dioxide (CO2) monitoring. For buildings or additions equipped with demand control ventilation, CO2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the *California Energy Code*, Section 120.1(c)(4).

SECTION 5.507
ENVIRONMENTAL COMFORT

5.507.4 Acoustical control. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E90 and ASTM E413 or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport.

   Exceptions:

   1. L_{dn} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
   2. L_{dn} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L_{eq}-1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (L_{eq}-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: http://www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

SECTION 5.508
OUTDOOR AIR QUALITY

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO_2), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the *California Mechanical Code* shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fourth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves and fittings shall comply with the *California Mechanical Code* and as follows.

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit over the stens are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

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2300 Knoll Drive, Suite A
Ventura, CA 93003
805.644.8180

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

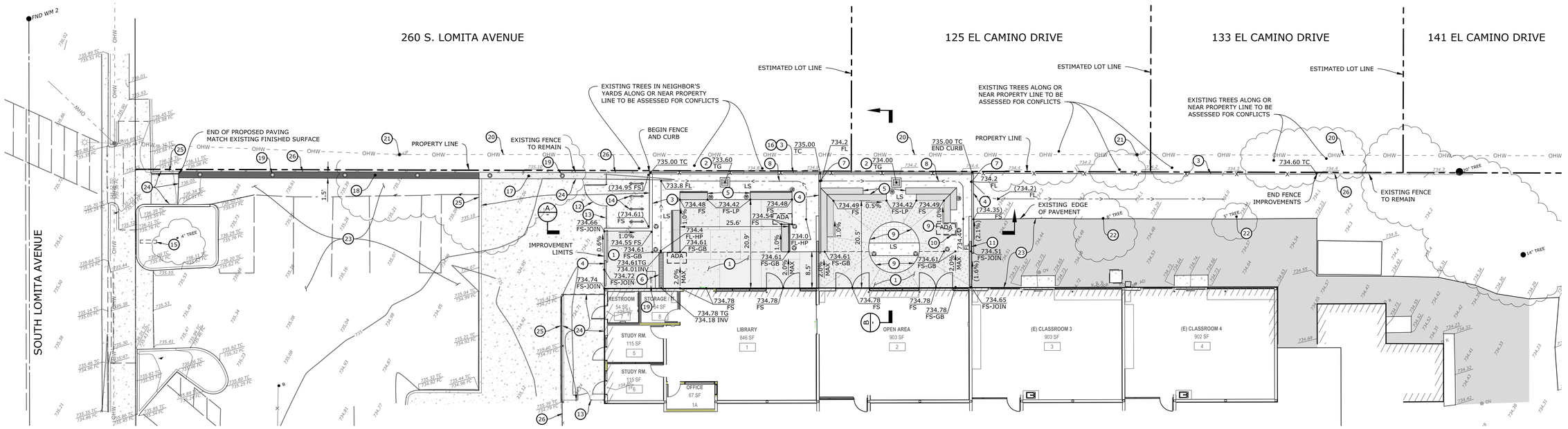
400 S LOMITA AVE,
OJAI, CA 93023

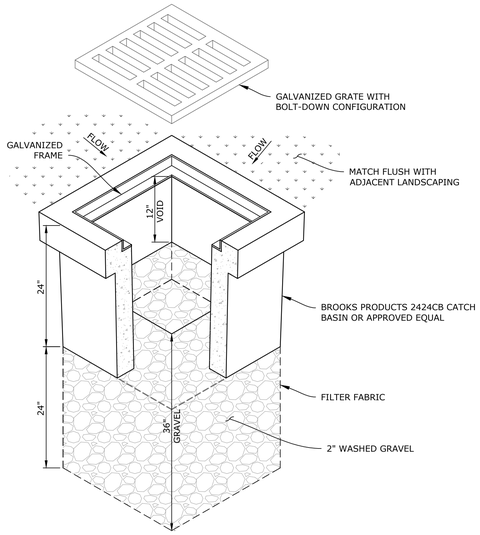
Drawn By:	Author
Project No.:	18637

No.	Date	Issue
	8/2/2022	DSA Submittal 2

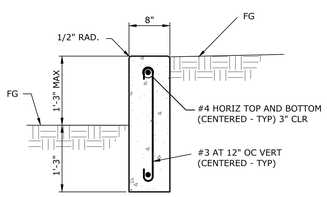
G5.01

GREEN BUILDING
CODE STANDARDS



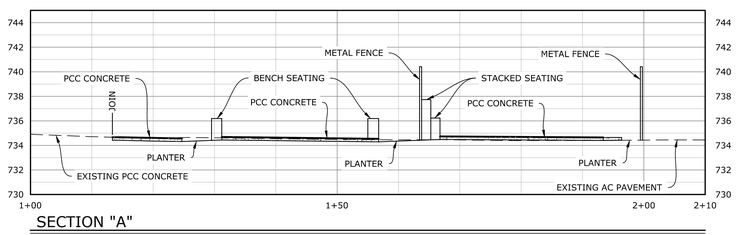


A — 24" CATCH BASIN/DRY WELL
N.T.S.

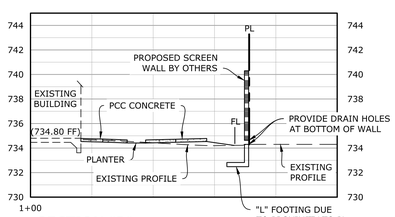


NOTES:
1. CONCRETE SHALL BE CLASS 520-C-2500.
2. EXPOSED EDGES SHALL HAVE A 1/2" TOOLED RADIUS.
3. SUBGRADE SOILS SHALL BE COMPACTED TO 90% RELATIVE COMPACTION.
4. INSTALL WEAKENED PLANE JOINTS AT 12' MAX SPACING.

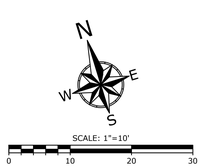
B — RETAINING CURB DETAIL
N.T.S.



SECTION "A"
SCALE: 1"=10' HORZ
1"=5' VERT



SECTION "B"
SCALE: 1"=10' HORZ
1"=5' VERT

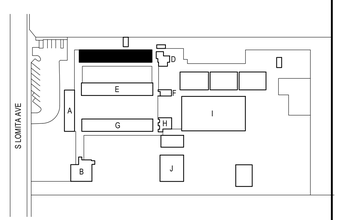


CONSTRUCTION NOTES

1. CONSTRUCT 4" PCC PEDESTRIAN CONCRETE PER SPPWC STDS. 112-2 AND 113-2. COLOR, FINISH AND SCORING PER LANDSCAPE ARCHITECT'S PLANS.
2. CONSTRUCT 24" SQUARE CONCRETE CATCH BASIN/DRY WELL WITH GRATED INLET. SEE DETAIL "A" HEREON.
3. CONSTRUCT CONCRETE CURB BELOW FENCE PER DETAIL "B" HEREON. TOP OF CURB AS NOTED ON PLAN.
4. CONSTRUCT METAL FENCE & GATES PER LANDSCAPE ARCHITECT'S PLANS.
5. CONSTRUCT BENCH SEATING PER LANDSCAPE ARCHITECT'S PLANS.
6. CONSTRUCT 8" WIDE PRO SERIES CHANNEL TRENCH DRAIN WITH 8" LIGHT TRAFFIC, ADA COMPLIANT, HEEL PROOF GRATE PER NDS PRODUNTS. SKU #'s 830 AND 837 RESPECTIVELY OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
7. CONSTRUCT 4"x6" DRAINAGE HOLE AT BOTTOM OF METAL FENCE.
8. CONSTRUCT GRADED SWALE. MINIMUM 1% SLOPE.
9. CONSTRUCT PERMEABLE PAVERS PER LANDSCAPE ARCHITECT'S PLANS.
10. CONSTRUCT ALUMINUM HEADER PER LANDSCAPE ARCHITECT'S PLANS.
11. CONSTRUCT METAL FRAMED SLIDING DIVIDER PER LANDSCAPE ARCHITECT'S PLANS.
12. CONSTRUCT MESH SWINGING GATE BIKE CORRAL PER ARCHITECT'S PLANS.
13. CONSTRUCT ENTRY GATE/FENCE PER ARCHITECT'S PLANS.
14. CONSTRUCT BIKE RACKS PER LANDSCAPE ARCHITECT'S PLANS.
15. CONSTRUCT LIBRARY SIGNAGE PER LANDSCAPE ARCHITECT'S PLANS.
16. CONSTRUCT WOOD PRIVACY FENCE & FENCE POST SUPPORTS PER ARCHITECT'S PLANS.
17. CONSTRUCT PCC CONCRETE PAVEMENT - MATCH EXISTING PAVEMENT SECTION AND FINISHED SURFACE.
18. CONSTRUCT AC PAVEMENT - MATCH EXISTING PAVEMENT SECTION AND FINISHED SURFACE.
19. PROPOSED LIGHTING, CONDUIT & TRANSFORMER PER ELECTRICAL AND LIGHTING PLANS.
20. EXISTING OVERHEAD WIRES TO REMAIN - PROTECT IN PLACE.
21. EXISTING UTILITY POLE TO REMAIN - PROTECT IN PLACE.
22. EXISITNG TREE TO REMAIN - PROTECT IN PLACE.
23. EXISTING ASPHALT PAVEMENT TO REMAIN - PROTECT IN PLACE.
24. EXISTING PCC CONCRETE PAVEMENT TO REMAIN - PROTECT IN PLACE.
25. EXISTING CONCRETE CURB TO REMAIN - PROTECT IN PLACE.
26. EXISTING CHAIN LINK FENCE TO REMAIN - PROTECT IN PLACE.

LEGEND

- PROPOSED PCC CONCRETE PAVEMENT SEE LANDSCAPE PLANS FOR COLOR, FINISH AND SCORING
- PROPOSED AC PAVEMENT
- PROPOSED PERMEABLE PAVERS
- PROPOSED LANDSCAPE AREA
- PROPOSED GRAVEL
- EXISTING ASPHALT CONCRETE PAVEMENT
- EXISTING AC PAVEMENT
- PROPOSED CMU SCREEN WALL BY OTHERS



REGISTERED PROFESSIONAL ENGINEER GLEN H. PAGE NO 61468 CIVIL STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

onyx | creative
22300 Knoll Dr
Ventura, CA 93003
805-644-8809 onyxcreative.com

REGISTERED LANDSCAPE ARCHITECT No. C-23059 GLEN H. PAGE STATE OF CALIFORNIA

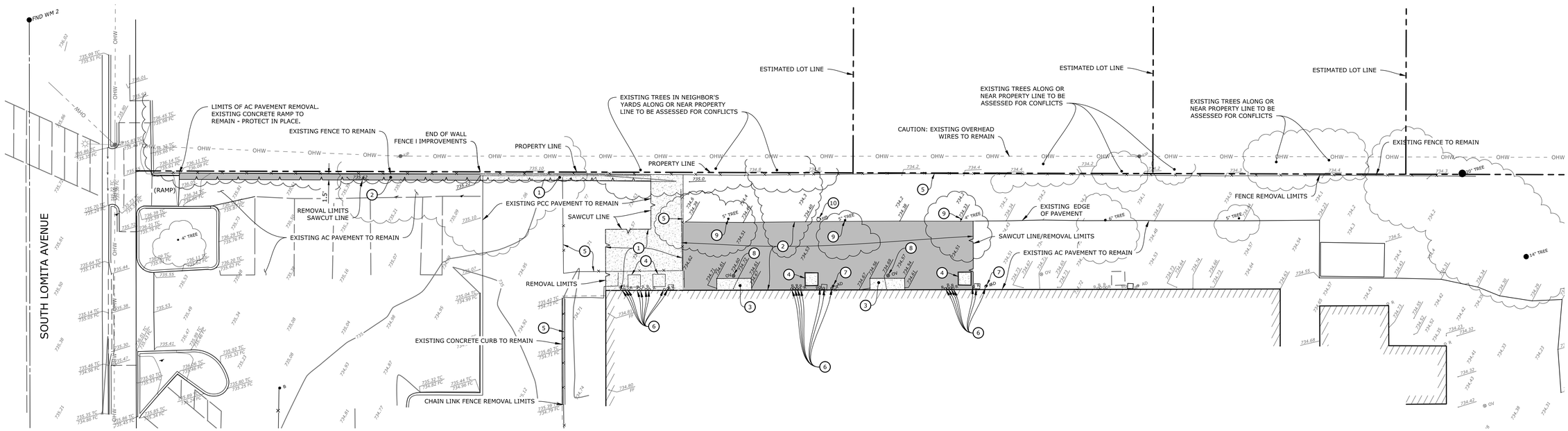
MEINERS OAKS ELEMENTARY SCHOOL-PUBLIC LIBRARY CONVERSION

400 S Lomita Ave,
Ojai, CA 93023

Project No.: 18637
Drawn By: FB/GHP
Date 7/18/2022
Issue DSA SUBMITTAL

C1.00

CONSTRUCTION DOCUMENTS
GRADING & DRAINAGE



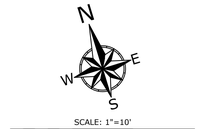
CONSTRUCTION NOTES

1. REMOVE PCC CONCRETE PAVEMENT.
2. REMOVE AC PAVEMENT.
3. REMOVE PCC CONCRETE PADS.
4. REMOVE AC UNIT AND CONCRETE PAD.
5. REMOVE CHAIN LINK FENCE.
6. REMOVE ELECTRICAL RISERS AND PANELS.
7. REMOVE DRAIN INLET (FUNCTION TO BE VERIFIED PRIOR TO REMOVAL).
8. REMOVE VALVE (FUNCTION TO BE VERIFIED PRIOR TO REMOVAL).
9. REMOVE TREE.
10. REMOVE HOSE BIB.

LEGEND

PCC CONCRETE PAVEMENT TO BE REMOVED

AC ASPHALT PAVEMENT TO BE REMOVED



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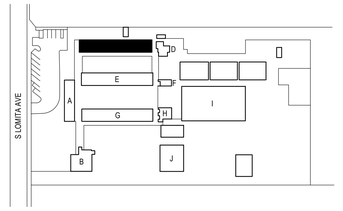
0 10 20 30



REGISTERED PROFESSIONAL ENGINEER
GLEN H. PAGE
NO 61468
CIVIL
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

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REGISTERED ARCHITECT
No. C-12059
STATE OF CALIFORNIA

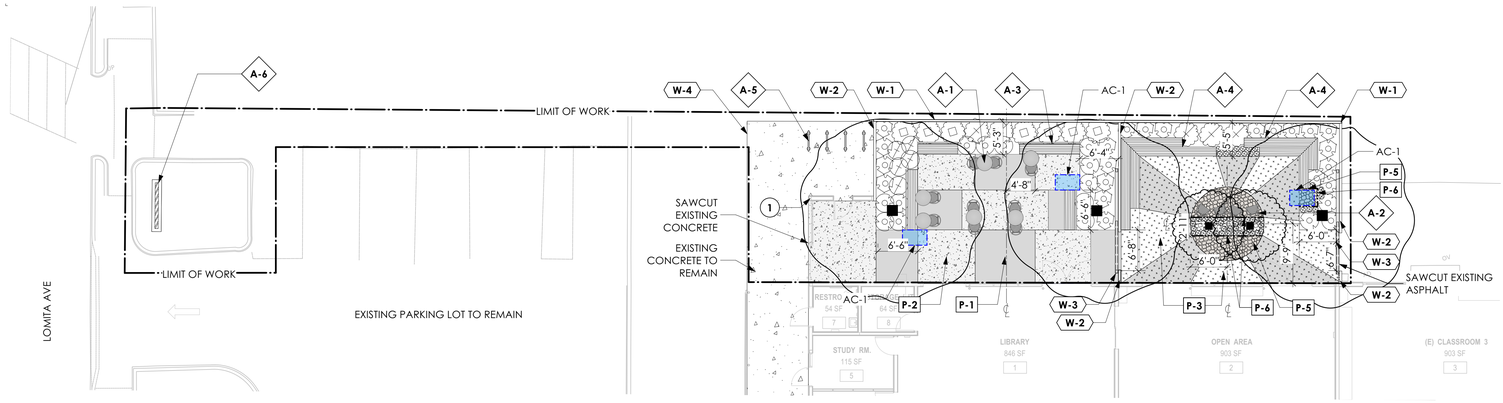
MEINERS OAKS ELEMENTARY SCHOOL-PUBLIC LIBRARY CONVERSION

400 S Lomita Ave,
Ojai, CA 93023

Project No.: 18637
Drawn By: FB/GHP
Date 7/18/2022
Issue DSA SUBMITTAL

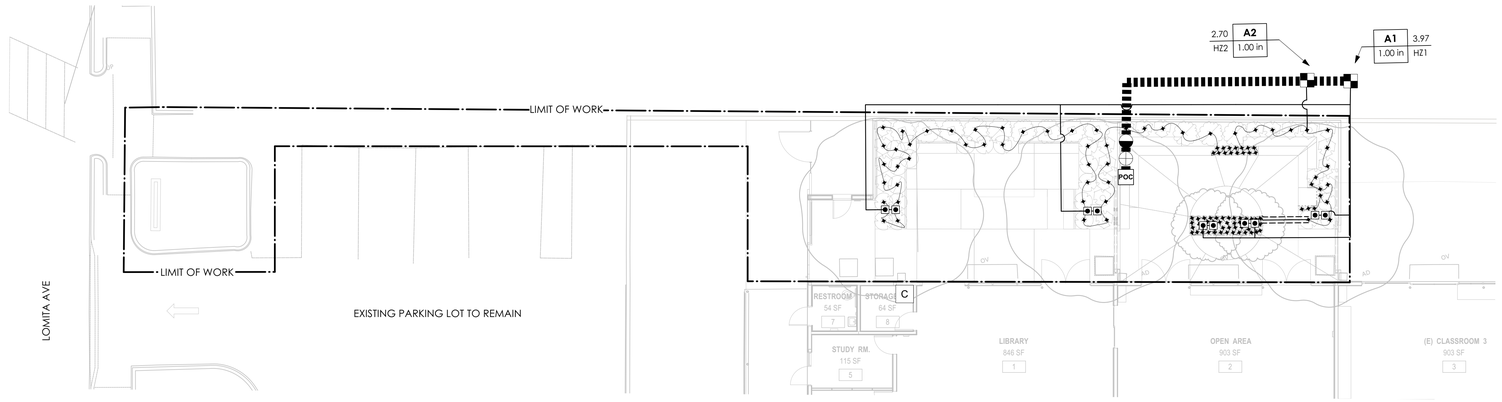
C2.00

CONSTRUCTION DOCUMENTS
DEMOLITION PLAN



LANDSCAPE CONSTRUCTION PLAN

Scale: 1" = 10'-0"



IRRIGATION PLAN

Scale: 1" = 10'-0"

AMENITIES SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
A-1	BISTRO TABLES AND CHAIRS	TOURNESOL FURNISHING HUDDLE TABLE 30" DIAMETER CAFE HEIGHT TABLE, COLOR: CHAMPAGNE AND HOST CHAIR, COLOR: CHAMPAGNE. AVAILABLE FROM TOURNESOL https://www.tournesol.com/	PER MANUF.
A-2	COLORFUL SEATING	TOURNESOL FURNISHING HOST CHAIRS (X4), COLORS: 1) CORAL, 2) FERN, 3) TEAL, 4) WHITE. AVAILABLE FROM TOURNESOL https://www.tournesol.com/	PER MANUF.
A-3	BENCH SEATING	STREETLIFE FURNISHING SOLID STAPLE BENCHES WITH BACKREST. (X2) 79" LENGTH BENCHES. (X2) 118" LENGTH BENCHES. COLOR: ACCOYA WOOD - VIRGIN, POWDER COATED STEEL COLOR: AGATE GREY. AVAILABLE FROM STREETLIFE https://www.streetlife.nl/us/products/solid-terrace	PER MANUF.
A-4	STACKED BENCH SEATING	STREETLIFE FURNISHING SOLID TERRACE SYSTEM STACKED BENCHES - 2 LEVELS. FIRST BENCH LEVEL 15" HEIGHT, SECOND BENCH LEVEL 30" HEIGHT. COLOR: ACCOYA WOOD - VIRGIN. AVAILABLE FROM STREETLIFE https://www.streetlife.nl/us/products/solid-terrace	PER MANUF.
A-5	BIKE RACKS	BELSON TYPE RIDER BIKE RACKS, SURFACE MOUNT, POWDER COATED STEEL. BIKE RACKS TO SPELL OUT "READ". LETTER "R" COLOR: YELLOW/ LETTER "E" COLOR: ORANGE / LETTER 'A' COLOR: LIGHT GREEN / LETTER "D" COLOR: SKY BLUE AVAILABLE FROM BELSON OUTDOORS 1-800-323-5664 https://www.belson.com/Type-Rider-Racks	PER MANUF.
A-6	LIBRARY SIGNAGE	ALUMINUM SIGN COLOR TO MATCH ARCH ENTRY GATE FRAME. FROM SIGNARAMA MANUFACTURING (805) 447-0243 CONTACT MIKE REESE	B/LC-2.02

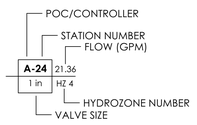
MASTER PLANT SCHEDULE

SYMBOL	QTY	*LATIN NAME*	COMMON NAME	WUCOLS	SIZE	HEIGHT	WIDTH
TREES							
	3	*Arbutus x 'Marina' (Standard)*	Marina Strawberry Tree	L	24" Box	30 ft	30 ft
	2	*Cercis occidentalis*	Western Redbud	L	24" Box	15 ft	12 ft
SHRUBS							
	5	*Agave attenuata 'Boutin Blue'*	Blue Foxtail Agave	L	5 gal	2.5 ft	2 ft
	60	*Carex divulsa*	European Grey Sedge	L	4" plugs	1 ft	1 ft
	5	*Correa glabra 'Coliban River'*	Coliban River Rock Fuchsia	L	5 gal	4 ft	3 ft
	7	*Euphorbia characias 'Portuguese Velvet'*	Portuguese Velvet Euphorbia	L	5 gal	3 ft	4 ft
	5	*Leucadendron 'Safari Sunset'*	Safari Conebush	L	5 gal	4 ft	4 ft
	15	*Nepeta x faassenii Junior Walker*	Catmint	L	1 gal	2 ft	3 ft
	21	*Phormium 'Sea Jade'*	Sea Jade New Zealand Flax	M	1 gal	5 ft	3 ft

ACCESSIBILITY & STRIPING SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
AC-1	CLEAR FLOOR SPACE	30"x48" CLEAR FLOOR ACCESS SPACE	

5% ACCESSIBLE SEATING IS PROVIDED AND DEFINED ON THE PROJECT PLANS. TOTAL SEATS PROVIDED IS BASED ON 101 L.F. OF BENCH SEATING, DIVIDED BY 18" (67.33) PLUS 9 INDIVIDUAL CHAIRS (76.33 TOTAL SEATS). 5% ACCESSIBLE SEATING = 3.82. (4) TOTAL ACCESSIBLE SEATING SPACES ARE PROVIDED.



PAVING SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
P-1	CONCRETE PAVING - TOPCAST FINE	NATURAL GRAY CONCRETE WALKWAY WITH TOPCAST COATING 3, AVAILABLE FROM TRADEMARK CONCRETE SYSTEMS INC. SAWCUT CONTROL JOINTS. ADD FELT EXPANSION JOINT AT 30' O.C. MAX., AT KEY INTERSECTIONS, AND WHERE CONCRETE MEETS STRUCTURAL FOOTINGS.	A.B/LC-2.01
P-2	CONCRETE - TOPCAST COARSE	NATURAL GRAY CONCRETE WALKWAY WITH TOPCAST COATING 50, AVAILABLE FROM TRADEMARK CONCRETE SYSTEMS INC. SAWCUT CONTROL JOINTS. ADD FIBER EXPANSION JOINT AT 30' O.C. MAX., AT KEY INTERSECTIONS, AND WHERE CONCRETE MEETS STRUCTURAL FOOTINGS.	A.B/LC-2.01
P-3	EXPOSED AGGREGATE CONCRETE - LIGHT COLOR - BLUE	EXPOSED AGGREGATE (3/8") SAWCUT CONTROL JOINTS. ADD FIBER EXPANSION JOINT AT 30' O.C. MAX., AT KEY INTERSECTIONS, AND WHERE CONCRETE MEETS STRUCTURAL FOOTINGS. COLOR AND AGGREGATE BLEND TBD	A.B/LC-2.01
P-4	EXPOSED AGGREGATE CONCRETE - MEDIUM COLOR - BLUE	EXPOSED AGGREGATE (3/8") SAWCUT CONTROL JOINTS. ADD FELT EXPANSION JOINT AT 30' O.C. MAX., AT KEY INTERSECTIONS, AND WHERE CONCRETE MEETS STRUCTURAL FOOTINGS. COLOR AND AGGREGATE BLEND TBD	A.B/LC-2.01
P-5	PERMEABLE PAVERS	TECHNO-BLOC ANTIKA, 60mm, RANDOM PATTERN, COLOR: EQUAL BLEND OF SANDLEWOOD, ONYX BLACK, AND SHALE GREY. AVAILABLE FROM TECHNO-BLOC https://www.techo-bloc.com/shop/pavers/antika	D/LC-2.01
P-6	ALUMINUM HEADER	METAL EDGING WITH 12" METAL STAKES PER MANUFACTURER SPECIFICATIONS.	C/LC-2.01

WALL AND FENCE SCHEDULE

ID#	ITEM	DESCRIPTION	DETAIL
W-1	WOODEN PRIVACY FENCE	6'-0" HEIGHT WOOD PRIVACY FENCE	E/LC-2.01
W-2	WOODEN SLAT FENCE	6'-0" HEIGHT WOOD SLAT FENCE	F/LC-2.01, A/LC-2.02
W-3	METAL FRAMED SLIDING DIVIDER	8'-0" HEIGHT METAL FRAMED DIVIDER WITH CNC MILLED DECORATIVE PANEL, HUNG FROM OVERHEAD METAL TRACK.	A/LC-2.02
W-4	METAL MESH SWINGING GATE	5'-0" HEIGHT METAL MESH SWING GATE	G/LC-2.01

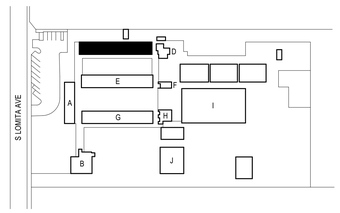
BY OTHERS SCHEDULE

ID#	DESCRIPTION
1	ENTRY GATE PER ARCH

SHADE STUDY

AREA	DESCRIPTION
2,337 sf	HARDSCAPE
2,389 sf	TREE CANOPY (TOTAL AREA, APPROX. 15 YEARS)
1,489 sf	TREE CANOPY SHADE OVER HARDSCAPE
520 sf	LANDSCAPE AREA
353 sf	TREE CANOPY SHADE OVER LANDSCAPE AREA
64%	**TOTAL PERCENT OF NEW HARDSCAPE AREAS SHADED BY TREE CANOPIES (WITHIN 15 YEARS)**
68%	**TOTAL PERCENT OF NEW HARDSCAPE AREAS SHADED BY TREE CANOPIES (WITHIN 15 YEARS)**

KEY PLAN



CONSTRUCTION NOTES

1. ALL PAVING AREAS SHALL BE GRADED NOT TO EXCEED 2% CROSS SLOPE IN ANY DIRECTION. WALKWAY RUNNING SLOPES SHALL NOT EXCEED 5% SLOPE UNLESS AN ADA RAMP IS PROVIDED. SEE CIVIL ENGINEERING GRADING PLANS FOR PRECISE GRADING OF ALL PAVING.
2. BROOM FINISHES SHALL RUN PERPENDICULAR TO WALKS.
3. CONSTRUCT 1/2" EXPANSION JOINTS W/FIBER JOINTS AND SEAL W/W.R. MEADOWS GREY DECK-O-SEAL.
4. CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL CONDUIT, IRRIGATION PIPE, AND UTILITY BOXES TO AVOID CONFLICTS WITH FOOTING, DRAINAGE AREAS, OR INSTALLATION OF AMENITIES SUCH AS BOLLARDS, BOULDERS, BENCHES, AND ROOF DRAINS.
5. FINISH GRADE IN PLANTER AREAS IS 3" BELOW ADJACENT FINISH SURFACE, TYPICAL.
6. LAYOUT OF FORMS SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT OF RECORD 24 HOURS PRIOR TO POURING. INSPECTION PRIOR TO FORM CONSTRUCTION IS PREFERRED.
7. ALL MANUFACTURER SPECIFIED ITEMS TO BE PROVIDED AS SPECIFIED OR AN APPROVED EQUAL.

IRRIGATION NOTES

1. REFER TO SHEET LI-1.01 FOR IRRIGATION SCHEDULE. REFER TO SHEET LI-1.01 FOR IRRIGATION CALCULATIONS.
2. A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE DESIGNER OF THE LANDSCAPE PLANS, IRRIGATION PLANS, OR THE LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.
3. A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES
4. ALL NEW TREES SHALL RECEIVE (2) ROOT WATERING SYSTEMS.
5. AN IRRIGATION AUDIT REPORT SHALL BE COMPLETED AT THE TIME OF FINAL INSPECTION
6. CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL SPRINKLER HEADS WHERE LOW POINT DRAINAGE COULD OCCUR
7. CONTRACTOR SHALL TEST PRESSURE PRIOR TO CONSTRUCTION. IF PRESSURE IS LESS THAN 80 PSI, NOTIFY THE PROJECT MANAGER PRIOR TO CONSTRUCTION.
8. COORDINATE THE INSTALLATION OF ALL IRRIGATION MATERIALS, INCLUDING PIPE, WITH THE PLANTING PLAN TO AVOID INTERFERING WITH THE PLANTING.
9. COORDINATE THE INSTALLATION OF ALL SLEEVING WITH CIVIL ENGINEER'S PLANS, ARCH. FOUNDATION PLANS, STRUCTURAL PLANS AND LANDSCAPE CONSTRUCTION PLANS.
10. IF IT IS FOUND DURING INSTALLATION THAT THE SITE VARIES FROM THE DRAWINGS, NOTIFY THE PROJECT MANAGER BEFORE PROCEEDING WITH THE WORK.
11. IRRIGATION CONTROLLER TO BE WEATHER- OR SOIL MOISTURE-BASED CONTROLLER THAT AUTOMATICALLY ADJUST IRRIGATION IN RESPONSE TO CHANGES IN PLANTS' NEEDS AS WEATHER CONDITIONS CHANGE. WEATHER-BASED CONTROLLERS WITHOUT INTEGRAL RAIN SENSORS OR COMMUNICATION SYSTEMS THAT ACCOUNT FOR LOCAL RAINFALL SHALL HAVE A SEPARATE WIRED OR WIRELESS RAIN SENSOR WHICH CONNECTS OR COMMUNICATES WITH THE CONTROLLER(S). SOIL MOISTURE-BASED CONTROLLERS ARE NOT REQUIRED TO HAVE RAIN SENSOR INPUT. (CA GREEN BUILDING STANDARDS CODE 4.304.1 IRRIGATION CONTROLLERS)
12. IRRIGATION DRAWINGS ARE DIAGRAMMATIC. LOCATE MAIN LINE AS DIRECTED PER PLAN. LOCATE NEW PIPELINES, VALVES AND EQUIPMENT IN PLANTING AREAS WHEREVER POSSIBLE.
13. MOUNT WIRELESS RAIN SENSOR IN LOCATION NOT BLOCKED FROM RAIN BY BUILDING OVERHANG, TREES, OR OTHER OBSTRUCTIONS.
14. NO IRRIGATION LINES SHALL BE PLACED UNDER ROOTBALLS OF EXISTING OR PROPOSED PLANTS.
15. PIPE SLEEVE SHALL ALLOW FOR IRRIGATION PIPING AND RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING. EXTEND NEW SLEEVES 12 INCHES BEYOND EDGE OF PAVING. ALL IRRIGATION MAINLINE CROSSINGS SHALL BE INSTALLED IN SCHEDULE 40 SLEEVES THAT ARE A MIN. OF 2X THE DIAMETER OF THE PRESSURE PIPE. PROVIDE LOCATOR WIRE OR TAPE ALONG LENGTH OF SLEEVE. ALSO PROVIDE A SEPARATE IRRIGATION WIRE CONDUIT TAPED TO MAINLINE SLEEVE SIZED TO EASILY PULL WIRES THAT RUNS PARALLEL TO THE SLEEVE. ALL SLEEVES AND CONDUIT MUST BE PERPENDICULAR TO ROAD.

    ALL IRRIGATION MAINLINE CROSSOVERS SHALL BE INSTALLED IN SCHEDULE 40 SLEEVES THAT ARE IN A MIN. OF 2X THE DIAMETER OF THE PRESSURE PIPE. PROVIDE LOCATOR WIRE OR TAPE ALONG LENGTH OF SLEEVE. ALSO PROVIDE A SEPARATE IRRIGATION WIRE CONDUIT TAPED TO MAINLINE SLEEVE SIZED TO EASILY PULL WIRES THAT RUNS PARALLEL TO THE SLEEVE. ALL SLEEVES AND CONDUIT MUST BE PERPENDICULAR TO ROAD.
16. POINT SOURCE DRIP INSTALLED WITH SCHEDULE 40 PVC LATERAL BELOW GRADE TRANSITIONS TO 1/2" DRIP DISTRIBUTION TUBING AT SPECIFIED LOCATIONS VIA SCHEDULE 80 RISER WITH PVC BALL VALVE. LOCATE IN 6" VALVE BOX. EMITTERS PLACED ALONG DRIP TUBING NO FURTHER THAN 9" FROM STEM OF PLANT. USE 1/4" DISTRIBUTION TUBING WHERE NECESSARY. INSTALL (2) 2 GPH PER 5 GAL. SHRUB AND (1) 2 GPH EMITTERS PER 1 GAL. SHRUB.
17. PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE IS BELOW OR EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES
18. PRESSURE TEST ON ALL MAINLINES 4 HOURS AT 150 PSI. CALL INSPECTOR 24 HOURS PRIOR TO TEST.
19. PVC SHALL BE LAID WITH CONNECTIONS HORIZONTAL, NOT VERTICAL.
20. SCHEDULE 40 PVC ONLY, NO EXCEPTIONS.
21. CONTRACTOR SHALL ADJUST ALL HEADS TO INSURE FULL COVERAGE WITH MINIMUM OVERSPRAY ONTO PAVED SURFACES.

PLANTING NOTES

1. ALL PLANTED AREAS SHALL BE THOROUGHLY RIPPED TO A DEPTH OF 8", USING RIPPER WITH TEETH NO WIDER THAN 12" O.C. WHERE POSSIBLE. THE RIPPING SHOULD BE DONE IN TWO DIRECTIONS TO REDUCE THE COMPACTION WHICH OCCURS AS A RESULT OF CONSTRUCTION.
2. THE CONTRACTOR SHALL COLLECT A MINIMUM OF ONE SOIL SAMPLE FROM NEW PLANTING AREAS FOR AGRONOMIC TESTING & AMENDMENT RECOMMENDATIONS FROM FRUIT GROWERS LAB @ (805) 392-2000. RESULTS SHALL BE TRANSMITTED TO CLIENT AND LANDSCAPE ARCHITECT OF RECORD. SOIL MANAGEMENT REPORT RECOMMENDATIONS SHALL ADDRESS THE FOLLOWING AT A MINIMUM: SOIL TEXTURE, SOIL INFILTRATION RATE, SOIL PH, AND SUGGESTED AMENDMENTS BASED UPON PROPOSED PLANTING PALETTE. SEE SPECIFICATIONS.
3. FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OR PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL
4. ALL AMENDMENTS TO BE APPLIED PER SOIL MANAGEMENT REPORT, OR IF NO TECHNIQUE IS SPECIFIED, THEN MIXED TOGETHER AND ROTOTILLED INTO PLANTING AREAS TO A DEPTH OF 6". (UNTIL RESULTS OF SOIL MANAGEMENT REPORT ARE OBTAINED, THE FOLLOWING AMENDMENTS MAY BE USED FOR BID PURPOSES ONLY. RESULTS OF SOILS ANALYSIS SUPERSEDE THESE QUANTITIES):
    - 5 LBS/1000 SF POTASSIUM SULFATE
    - 5 LBS/1000 SF AMMONIUM SULFATE
    - 5 LBS/1000 SF SINGLE SUPERPHOSPHATE OR EQ.
    - 80 LBS/1000 SF AGRICULTURAL GYPSUM
    - 6 CY GENERAL PURPOSE SOIL AMENDMENT
5. BACKFILL PER CY FOR CONTAINER PLANTS (BACKFILL MIX PROVIDED FOR BID PURPOSES ONLY. RESULTS OF SOILS ANALYSIS SUPERSEDE THESE QUANTITIES):
    - 1/4 LB POTASSIUM SULPHATE
    - 1/4 LB AMMONIUM SULPHATE
    - 1/5 LB SINGLE SUPERPHOSPHATE OR EQ.
    - 4 LBS AGRICULTURAL GYPSUM
    - 5 PARTS BY VOLUME NATIVE SOIL
    - 1 PART BY VOLUME AQUINAGA TURF PLUS
6. GRO-POWER PLANTING TABLETS PLACED 2 INCHES DEEP AND 2" OUTSIDE ROOT BALL: (3) PER 1 GAL; (9) PER 5 GAL; (15) PER 15 GAL, (16) PER 24" BOX AND PER MANUFACTURER'S RECOMMENDATIONS FOR LARGER BOX SIZES
7. ALL TREES WITHIN 5 FT. OF PAVEMENT TO HAVE CENTURY PRODUCTS LINEAR CP36-2 'POLYETHYLENE' ROOT BARRIERS INSTALLED PER MANUFACTURER'S RECOMMENDATIONS 1 1/2" OFF BACK OF CURB OR EDGE OF PAVEMENT. ROOT BARRIER TO BE INSTALLED AT BACK OF HARDSCAPE, IN 10 FOOT PANELS CENTERED ON THE TREE TRUNK, (NOT IN CIRCLE AROUND ROOT BALL).
8. PLANT MATERIAL QUANTITIES LISTED FOR CONVENIENCE OF CONTRACTOR. ACTUAL NUMBER OF SYMBOLS SHALL HAVE PRIORITY OVER QUANTITY DESIGNATED.
9. A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRADICTORY.
10. MULCH SHALL BE ES-2 MULCH FROM AGROMIN PREMIUM SOIL PRODUCTS (805) 482.8749. PROVIDE SAMPLE TO LANDSCAPE ARCHITECT OF RECORD FOR APPROVAL.
11. SEE SHEET, LC-2.03 FOR ALL PLANTING DETAILS

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DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
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DATE: 11/09/2022

Pacific Coast Land Design, Inc.
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LICENSED LANDSCAPE ARCHITECT
MITCHEL ZIELSDORF
#6044
Signature
10/31/23
Renewal Date
Date
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MEINERS OAKS LIBRARY

400 S Lomita Ave,
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Drawn By: Author

Project No.: 18637

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01	04/22/2022	

LC-1.01

CONSTRUCTION + IRRIGATION PLAN

Date: 10/31/23
Time: 3:24 PM
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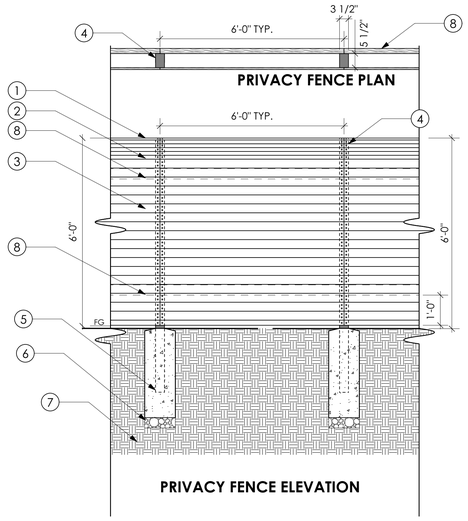
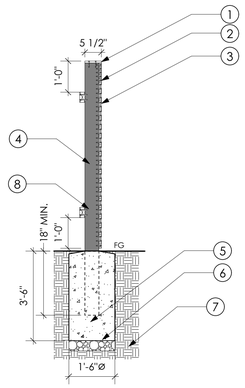




1. 1"X6" WOODTOP CAP, CUT FLUSH TO WOODEN RAILS AND JOIN AT POST W/ (2) 2-1/2" WOOD SCREWS O.C.
2. 1"X2" WOOD RAIL, JOIN AT POST W/ (1) 2" WOOD SCREWS.
3. 1"X4" WOOD RAIL, JOIN AT POST W/ (2) 2" WOOD SCREWS.
4. 4"X6" PRESSURE TREATED DOUGLAS FIR POST, 5' O.C.
5. CONCRETE FOOTING TO BE POURED AROUND WOOD POST. CLEAR, FLEXIBLE, OUTDOOR-RATED SILICONE BEAD TO BE APPLIED AT TOP OF POST-CONCRETE CONNECTION. TOP TO BE SLOPED 1% MIN. AWAY FROM WOOD POST.
6. CRUSHED AGGREGATE, MINIMUM 6" DEPTH
7. EXISTING SOIL, COMPACTED UNDER NEW WOOD POSTS PER SOILS REPORT RECOMMENDATIONS AND ENGINEER'S PLANS.
8. 2"x4" WOODEN RAILS JOIN AT POST W/ (2) 3" WOOD SCREWS

NOTES:
1. ALL METAL HARDWARE AND FASTNERS TO BE STAINLESS STEEL
2. ALL WOOD MEMBERS (EXCLUDING POSTS) TO BE DOUGLAS FIR C SELECT OR BETTER. APPLY CABOT EXTERIOR SEMI-SOLID STAIN, COLOR TO MATCH BENCHES, PER MANUFACTURER'S SPECIFICATIONS.
3. ALL WOOD RAILS MEMBERS TO HAVE EDGES EASED 1/8" PRIOR TO FINAL ASSEMBLY.

E WOODEN PRIVACY FENCE

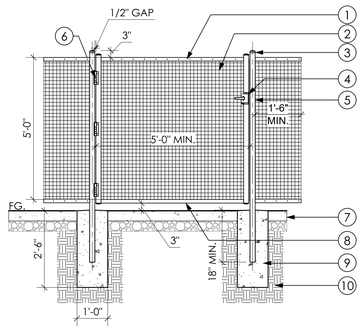
Scale: 1/2" = 1'-0"

1. 1"X6" WOODTOP CAP, CUT FLUSH TO WOODEN RAILS AND JOIN AT POST W/ (1) 2-1/2" WOOD SCREWS, O.C.
2. 1"X2" WOOD RAIL, JOIN AT POST W/ (1) 2" WOOD SCREWS.
3. 1"X4" WOOD RAIL, JOIN AT POST W/ (2) 2" WOOD SCREWS.
4. 4"X6" PRESSURE TREATED DOUGLAS FIR POST, 5' O.C.
5. STUCCO WALL TOPPED WITH WOODEN PRIVACY SCREEN
6. CONCRETE FOOTING TO BE POURED AROUND WOOD POST. CLEAR, FLEXIBLE, OUTDOOR-RATED SILICONE BEAD TO BE APPLIED AT TOP OF POST-CONCRETE CONNECTION. TOP TO BE SLOPED 1% MIN. AWAY FROM WOOD POST.
7. CRUSHED AGGREGATE, MINIMUM 6" DEPTH
8. EXISTING SOIL, COMPACTED UNDER NEW WOOD POSTS PER SOILS REPORT RECOMMENDATIONS AND ENGINEER'S PLANS.
9. ADJACENT PRIVACY FENCE

NOTES:
1. ALL METAL HARDWARE AND FASTNERS TO BE STAINLESS STEEL
2. ALL WOOD MEMBERS TO BE PRESSURE TREATED DOUGLAS FIR C SELECT OR BETTER. APPLY CABOT EXTERIOR SEMI-SOLID STAIN, COLOR TO MATCH BENCHES, PER MANUFACTURER'S SPECIFICATIONS.
3. ALL WOOD RAILS MEMBERS TO HAVE EDGES EASED 1/8" PRIOR TO FINAL ASSEMBLY.

F WOODEN SLAT FENCE

Scale: 1/2" = 1'-0"

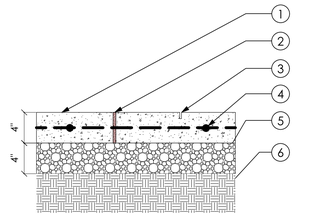


1. 1" x 1" x .055" THICK TUBULAR STEEL TOP RAIL.
2. 12 GAUGE, GALVANIZED WELDED WIRE MESH - 2" X 2" MESH.
3. 2" STEEL POST CAP.
4. LATCH, MIN 42" AND MAX 44" VERTICAL FROM FINISHED ELEVATION.
5. 2" x 2" x .125" THICK TUBULAR STEEL SQUARE POST.
6. SELF-CLOSING STEEL HINGE PER MANUFACTURES SPECIFICATIONS.
7. ADJACENT CONCRETE PAVEMENT. SEE LC-1.01.
8. 1" x 1" x .055" THICK TUBULAR STEEL STRINGER RAIL.
9. 12" x 30" CONCRETE FOOTING.
10. COMPACT SUBGRADE TO 90%.

NOTES:
1. STEEL COATING: ALL STEEL FINISHES SHALL BE FENCOTE, A POLYESTER POWDER COATED FINISH OR APPROVED EQUAL. COLOR: TO MATCH ADJ. ARCH FENCE.
2. ALL WELDS TO BE GROUND SMOOTH.
3. FENCE CONTRACTOR SHALL SITE VERIFY EXACT SIZE OF FENCE PANEL PRIOR TO FABRICATION.
4. FOOTING TO BE POURED AGAINST UNDISTURBED SOIL, RE-COMPACTED SOIL PER STRUCTURAL SOILS REPORT.
5. CONTRACTOR TO MATCH GATE HEIGHT WITH FENCE HEIGHT.
6. SLOPE DRAINAGE AWAY FROM POSTS AT 1.0% MIN.
7. FASTENING HARDWARE SHALL BE SIMPSON GALVANIZED HARDWARE OR APPROVED EQUAL.
8. GALVANIZED WELDED WIRE MESH OR APPROVED EQUAL.

G WELDED WIRE MESH GATE + FENCE

Scale: 1/2" = 1'-0"

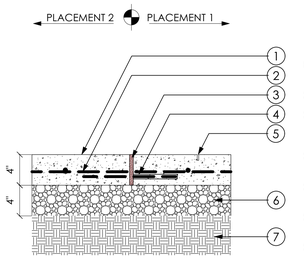


4" CONCRETE PAVING/WALKS

LEGEND:
1. CONCRETE COLOR AND FINISH PER HARDSCAPE PLAN.
2. 1/2" FIBER EXPANSION JOINT W/MASTIC SEALER PER CONSTRUCTION NOTES, LOCATIONS PER HARDSCAPE PLANS
3. SAW-CUT 3/4" DEEP SCORING; SCORE LOCATIONS PER HARDSCAPE PLANS
4. CENTER #4, REBAR @ 16" BOTH WAYS
5. 4", CLASS 2 AGGREGATE BASE, COMPACTED 90%.
6. COMPACTED SUBGRADE PER ENGINEER.

A CONCRETE PAVING

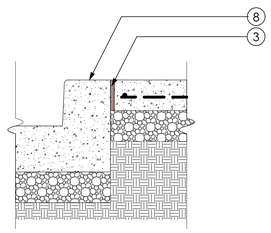
Scale: 1 1/2" = 1'-0"



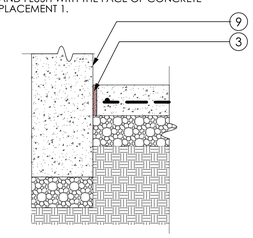
4" CONCRETE PAVING/WALKS - ISOLATION JOINT WITH SEALANT

LEGEND:
1. CONCRETE COLOR AND FINISH PER HARDSCAPE PLAN.
2. CENTER #4, REBAR @ 16" BOTH WAYS.
3. 1/2" FIBER EXPANSION JOINT W/MASTIC SEALER PER CONSTRUCTION NOTES, LOCATIONS PER HARDSCAPE PLANS.
4. #4 REBAR DOWEL WITH 1/2" DOWEL SLEEVE AT 16' O.C. GROUT IN SLEEVE AND INSERT BAR.
5. SAW-CUT 3/16" WIDE x 3/4" DEEP SCORING; SCORE LOCATIONS PER HARDSCAPE PLANS.
6. ASTM NO. 57 WASHED AGGREGATE BASE, COMPACT TO 90%.
7. COMPACTED SUBGRADE PER ENGINEER.
8. CONCRETE CURB. PER CIVIL PLANS.
9. BUILDING OR OTHER VERTICAL ELEMENT. PER CIVIL OR ARCHITECTURAL PLANS.

NOTES:
1. ATTACH 1/2" THICK FIBER EXPANSION MATERIAL TO CONCRETE PLACEMENT 1 USING SPRAY GLUE.
2. FOAM EXPANSION MATERIAL MUST BE STRAIGHT AND FLUSH WITH THE FACE OF CONCRETE PLACEMENT 1.



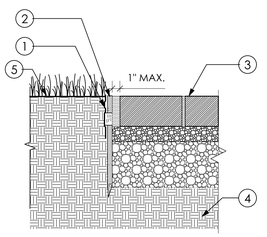
ISOLATION JOINT WITH SEALANT - HORIZONTAL ELEMENT CONDITION



ISOLATION JOINT WITH SEALANT - VERTICAL ELEMENT CONDITION

B ISOLATION JOINT WITH SEALANT

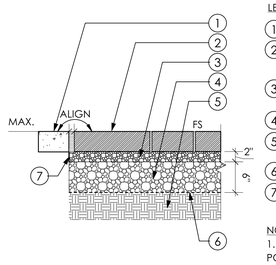
Scale: 1 1/2" = 1'-0"



LEGEND:
1. (3/16" X 5 1/2") PERMALOC 'CLEAN-LINE' ALUMINUM EDGING. TOP OF EDGING TO BE 1/4" ABOVE ADJ. TURF AND MULCH.
2. 12" ALUMINUM STAKES PER MANUFACTURER SPECIFICATIONS.
3. ADJACENT PERMEABLE PAVERS. SEE DETAIL D/LC-2.01
4. NATIVE SUBGRADE
5. ADJACENT LANDSCAPE AREA

C ALUMINUM EDGING

Scale: 1 1/2" = 1'-0"



LEGEND:
1. ADJACENT PAVING.
2. PEDESTRIAN CONCRETE PAVERS. SEE HARDSCAPE LAYOUT PLAN FOR COLOR AND PATTERN.
3. ASTM NO. 8 WASHED AGGREGATE BEDDING COURSE.
4. ASTM NO. 57 WASHED AGGREGATE BASE.
5. 6" SUBGRADE SCARIFIED, 90% COMPACTION. SEE CIVIL FOR INFILTRATION RATE.
6. NON WOVEN GEOTEXTILE.
7. 30 MIL IMPERVIOUS LINER ALONG SIDEWALLS AND DOWN 6".

NOTE:
1. SWEEP SURFACE JOINTS WITH FLEXLOCK POLYMERIC SAND AFTER LAYING PAVER.

D PERMEABLE CONCRETE PEDESTRIAN PAVER

Scale: 1" = 1'-0"

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APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

Pacific Coast Land Design, Inc.
Landscape Architecture • Urban Design • Environmental Planning
461 East Main Street, Ventura, CA 93001 805.644.9497 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MITCHEL ZIELSDORF
#6044
Signature
10/31/23
Renewal Date
Date
STATE OF CALIFORNIA

MEINERS OAKS LIBRARY

400 S Lomita Ave,
Ojai, CA 93023

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Project No.:	18637

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LC-2.01

CONSTRUCTION DETAILS

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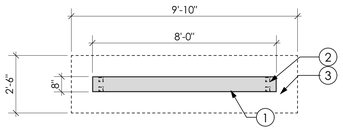
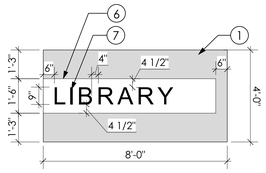
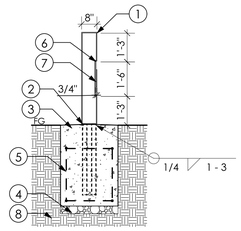




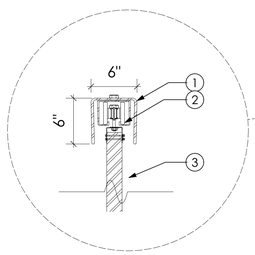


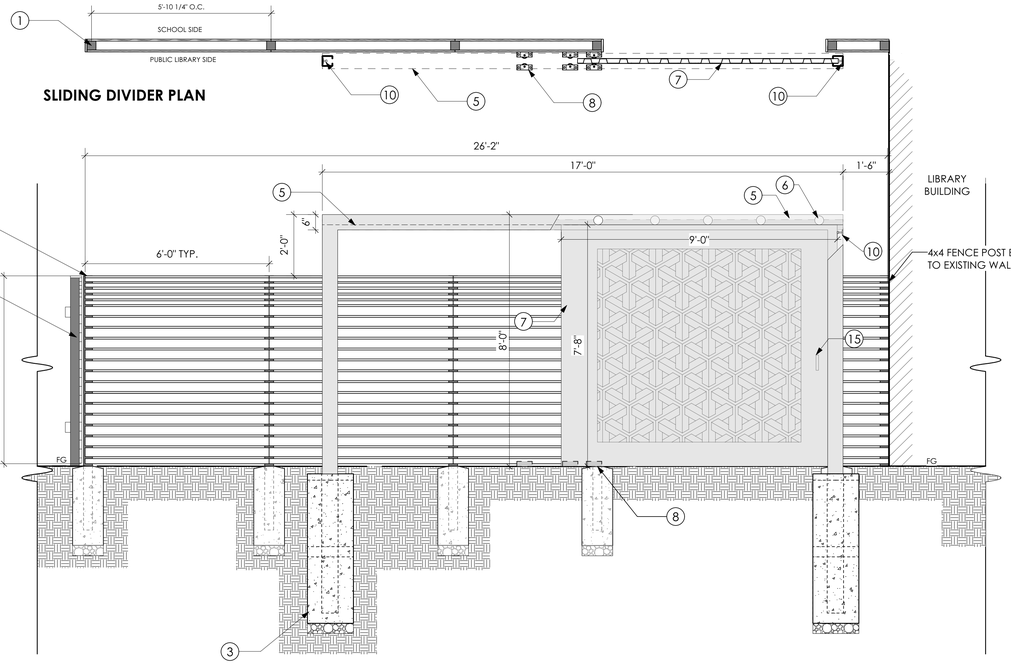
1. 1/4" THICK, POWDER COATED STEAL BOX MONUMENT SIGN
2. (2) 2" x 2" x 4' x 1/4"WALL, ASTM A513 SQUARE STEEL TUBE POST. WELD TO UNDERSIDE OF STEEL BOX WITH 1/8" BASE STANDOFF FROM BOX BOTTOM. SET IN PREFORMED OPENING.
3. CONCRETE FOOTING WITH 2-1/4" x 2-1/4" PREFORMED SQUARE OPENING, PLACE METAL POST, GROUT AND FILL.
4. ASTM NO. 57 WASHED AGGREGATE BASE
5. #4 REBAR, BOTH DIRECTIONS, 24" O.C. 3" FROM CONCRETE FACE.
6. 3/8" THICK ACRYLIC SHEET INSET INTO STEEL BOX MONUMENT SIGN
7. 1/8" THICK STAINLESS STEEL LETTERS MOUNTED ON ACRYLIC SHEET, FONT TO BE ARIAL TO MATCH LETTERING ON ARCHITECTURE
8. COMPACTED SUBGRADE

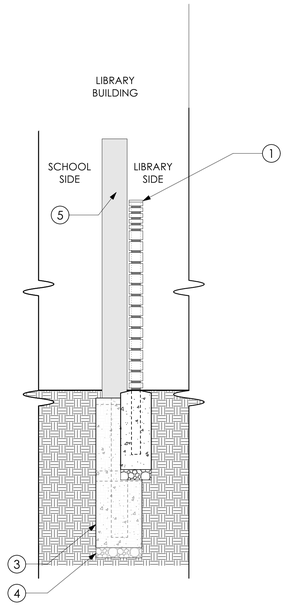
NOTES:
1. CONTACT MIKE REESE AT SIGNARAMA FOR LETTERING MANUFACTURING, (805) 477-0243.
2. GRIND SURFACE OF METAL FRAME BEFORE PRIMER IS APLIED TO ALLOW FOR PROPER APPLICATION OF PRIMER. COLOR TO MATCH ARCH ENTRY GATE.
3. GRIND WELD WHERE NEEDED TO ALLOW FOR SIGN BASE TO SIT FLUSH WITH FOOTING.
4. EPOXY AROUND SIGN AND EXPANSION JOINT TO PREVENT MOISTURE FROM ENTERING BASE.

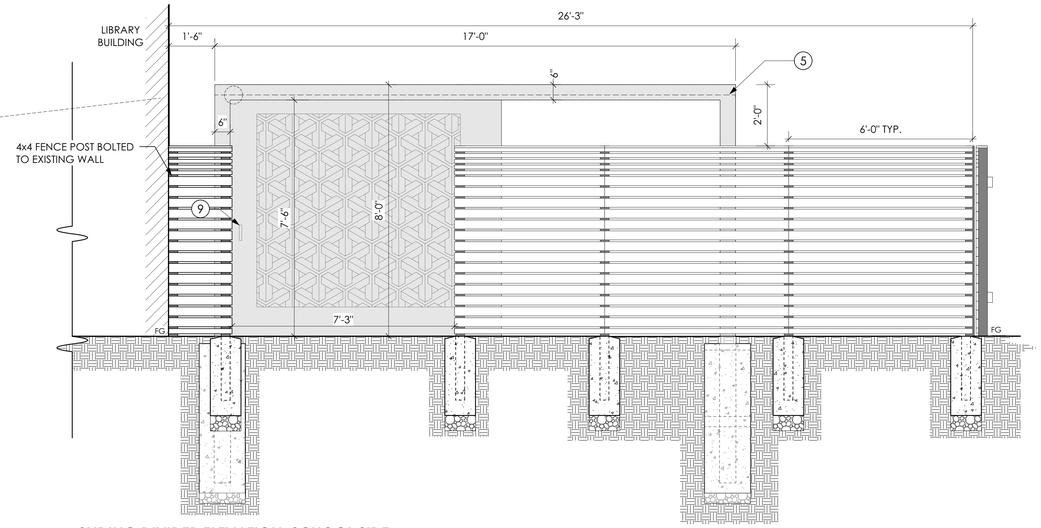
B ENTRY SIGN

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









1. WOODEN SLAT FENCE, SEE DETAIL F/LC-2.01
2. ADJACENT PRIVACY FENCE, SEE DETAIL E/LC-2.01
3. CONCRETE FOOTING, SEE STRUCTURAL PLANS.
4. COMPACTED SUBGRADE.
5. 6"X6" X 1/8" THICK MILD GALVANIZED STEEL U-CHANNEL GATE FRAME WITH POWDERCOATED BLUE FINISH TO MATCH EXISTING BLUE FENCING.
6. RUBBER TRACK WHEELS FASTENED DIRECTLY TO METAL DIVIDER
7. 7'-8"H X 9'W X 1/8" THICK MILD GALVANIZED STEEL DIVIDER WITH CNC MILLED DECORATIVE PANEL AND POWDERCOATED BLUE FINISH TO MATCH EXISTING BLUE FENCING.
8. GROUND MOUNTED GUIDE TRACKS FOR SLIDING DIVIDER
9. FLUSH FINGER PULL
10. HEAVY DUTY GATE STOPPER

NOTES:
ALL EXPOSED STEEL AND STEEL FASTENERS ARE TO BE GALVANIZED STEEL

A SLIDING DIVIDER

Scale: 1/2" = 1'-0"

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LC-2.02

CONSTRUCTION DETAILS

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Time: 3:53
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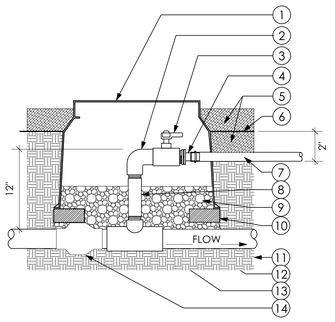
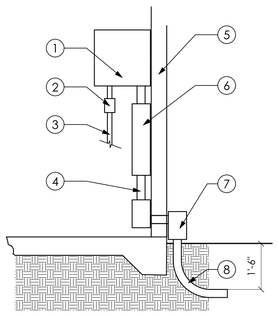


LEGEND:

1. VALVE BOX
2. PVC ELL FPT X FPT
3. PVC BALL VALVE
4. 17mm BARB X 3/4" MIPT ADAPTER W/8" BLANK TUBING
5. BARK MULCH
6. FINISH GRADE
7. DRIP LINE TUBING OR 1/2" POLYETHYLENE W/ INTEGRATED EMITTERS PER IRRIGATION LEGEND
8. SCHEDULE 80 PVC RISER
9. PEA GRAVEL
10. PROVIDE BRICK BASE FOR SUPPORT
11. COMPACTED NATIVE BACKFILL
12. PVC SUPPLY HEADER, CONNECT TO LATERAL
13. PVC SST TEE FITTING
14. PVC UTILITY SPRING/SWING CHECK VALVE , SIZE PER PLAN

H LATERAL TO DRIPLINE CONNECTION

Scale: 1 1/2" = 1'-0"



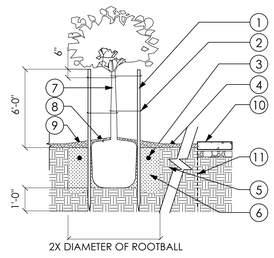
LEGEND:

1. WALL MOUNT CONTROLLER SEE IRRIGATION LEGEND FOR MODEL
2. 120 VOLT AC RECEPTACLE & ON/OFF SWITCH
3. 120 VOLT AC SUPPLY WIRE IN RIGID CONDUIT OR WALL OUTLET PER LOCAL CODE - BY OTHERS
4. 1"Ø MIN. PVC - SIZE TO ACCOMODATE WIRE BUNDLE
5. BUILDING WALL
6. TERMINAL STRIP 24V JUNCTION BOX
7. WEATHERPROOF JUNCTION BOX BOTH SIDES OF WALL SIZE TO ACCOMODATE CONTROL WIRE BUNDLE
8. SWEEP ELL 1'Ø MIN. - SIZE TO ACCOMODATE WIRE BUNDLE

NOTE:
SEAL OPENINGS IN STRUCTURE W/ M+D 25 YEAR CAULK OR EQUAL

I INTERIOR WALL MOUNT CONTROLLER

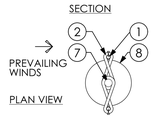
Scale: 1/2" = 1'-0"



LEGEND:

1. 2" DIA. LODGE POLE STAKES (2) EACH FOR 24" BOX TREES AND SMALLER
2. RUBBER CINCH TIES-MIN. (4) PER TREE
3. PLANT TABLETS PER SPECIFICATIONS
4. FINISH GRADE
5. NATIVE SUBGRADE
6. BACK FILL MIX PER SPECIFICATIONS
7. TREE STEM
8. ROOTBALL: SET 2" ABOVE ADJACENT FINISH GRADE
9. BARK MULCH. SET MULCH LAYER 1" ABOVE TOP OF ROOTBALL.
10. ADJACENT SIDEWALK OR CURB
11. ROOT BARRIER

SECTION

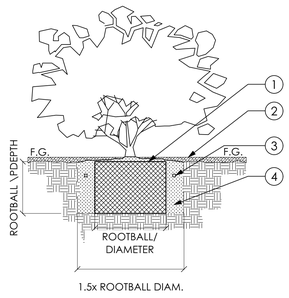


PLAN VIEW

NOTES:
1. KEEP MULCH 3" FROM STEM OF PLANT
2. NO WATERING BASIN
3. SEE GUY DETAIL FOR TREES LARGER THAN 24" BOX
4. USE GALVANIZED NAILS TO SECURE CINCH TIES TO STAKES
5. ROOT BARRIER SHALL HAVE A MIN. DEPTH OF 24" WITH A MIN. THICKNESS OF 6 MM. BARRIERS SHALL BE 10' LONG CENTERED ON TREE TRUNK. INSTALL PER MANUFAC. SPECS. BARRIERS SHALL BE INSTALLED 1" ABOVE F.G.

J TREE PLANTING

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

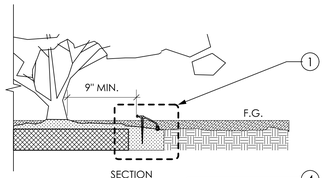


LEGEND:

1. ROOTBALL SET 1" ABOVE F.G.
2. BARK MULCH
3. PLANTING TABLETS
4. BACK FILL MIX.

K SHRUB PLANTING

Scale: 3/4" = 1'-0"



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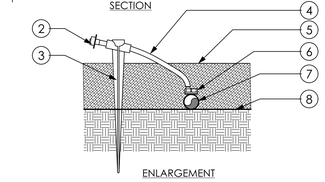


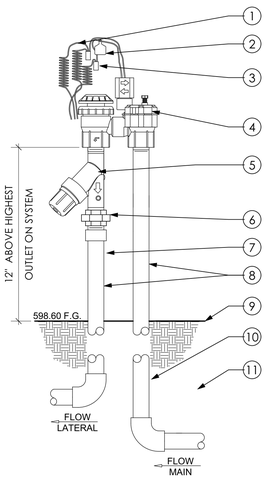
ENLARGEMENT

LEGEND:

1. PLACE EMITTER 9" MAX FROM PLANT STEM. SEE ENLARGEMENT
2. DIFFUSER BUG CAP
3. UNIVERSAL 1/4" TUBING STAKE
4. 1/4" DISTRIBUTION TUBING
5. TOP OF MULCH
6. PRESSURE-COMPENSATING MODULE BARB INLET X BARB OUTLET EMITTER
7. 17MM TUBING PER IRRIGATION LEGEND
8. FINISH GRADE

E POINT SOURCE DRIP EMITTER

Scale: 1 1/2" = 1'-0"



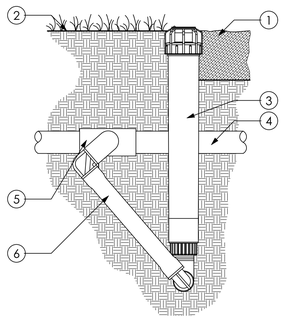
LEGEND:

1. CONTROL WIRE, COILED
2. ID TAG
3. WATERPROOF CONNECTION
4. LOW FLOW ANTI-SIPHON VALVE
5. PRESSURE REGULATING FILTER
6. PVC SCH 80 UNION
7. PVC SCH 40 MALE ADAPTER
8. UV RADIATION RESISTANT PVC SCH 40 PIPE
9. FINISH GRADE/TOP OF MULCH
10. PVC SCH 40 ELL
11. PVC SCH 40 PIPE

NOTE:
1. PROVIDE ATMOSPHERIC VACUUM BREAKER (A.V.B.) AT TOP OF SLOPE FOR VALVES CONTROLLING ZONES WITH EMITTERS SET ABOVE THE VALVE FINISHED GRADE ELEVATION OF 598.60.

F ANTI-SIPHON VALVE

Scale: 1/2" = 1'-0"



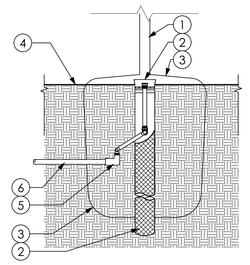
LEGEND:

1. BARK MULCH PER SPECIFICATIONS
2. FINISH GRADE
3. OPERATION INDICATOR PER IRRIGATION LEGEND
4. PVC EXHAUST HEADER
5. PVC SCH 80 TEE X 3/4" FPT
6. PVC SWING JOINT

NOTE:
1. OPERATION INDICATOR NOZZLE TO BE SET TO CLOSED.

G DRIPLINE OPERATION INDICATOR

Scale: 1 1/2" = 1'-0"



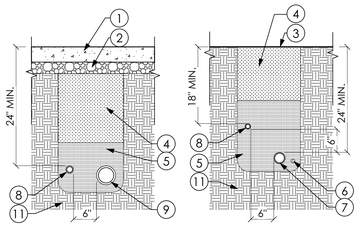
LEGEND:

1. TREE OR SHRUB STEM
2. ROOT WATERING SYSTEM ASSEMBLY W/BUBBLER, RISER, SWING ASSEMBLY, AND GRATE COVER; SEE IRRIGATION LEGEND
3. ROOT BALL
4. FINISH GRADE
5. SCH 40 PVC TEE SxT 90
6. LATERAL PIPE

NOTES:
1. SET GRATE 1" ABOVE FINISH GRADE
2. SEE PLAN VIEW FOR LATERAL LINE AND BUBBLER PLACEMENT

A ROOT WATERING SYSTEM

Scale: 1" = 1'-0"



SECTION UNDER PAVING SECTION IN PLANTER

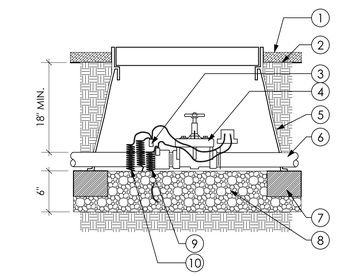
NOTES:
1. EXTEND ALL SLEEVING UNDERNEATH PAVING 12" MINIMUM INTO PLANTERS
2. MAINLINE TRENCHING UNDERNEATH TREE DRIP LINES SHALL INCLUDE ROOT PRUNING. NO ROOT OVER 2" DIAMETER SHALL BE CUT WITHOUT APPROVAL BY THE CITY ARBORIST.

LEGEND:

1. ADJACENT PAVING
2. BASE MATERIAL
3. FINISH GRADE
4. COMPACTED NATIVE BACKFILL
5. SAND BACKFILL - MINIMUM 2" LAYER SAND BED BENEATH LOWEST PIPE. MINIMUM 6" FILL ABOVE HIGHEST PIPE
6. LOW VOLTAGE WIRING
7. IRRIGATION MAINLINE
8. IRRIGATION LATERAL LINE
9. SCH. 40 PVC SLEEVING FOR IRRIGATION MAINLINE AND LATERAL (ALL PIPES SLIDE EASILY W/ EXTRA SPACE)
10. ELECTRICAL CONDUIT FOR WIRES (ALLOW EXTRA ROOM FOR WIRE MOVEMENT)
11. NATIVE SUBGRADE

B TRENCHING

Scale: 3/4" = 1'-0"



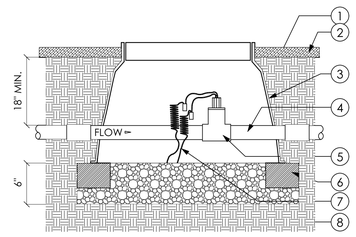
LEGEND:

1. BARK MULCH
2. FINISH GRADE
3. WIRE CONNECTORS
4. ELECTRIC MASTER CONTROL VALVE PER LEGEND
5. VALVE BOX
6. PVC MAINLINE
7. PROVIDE BRICK FOR BASE SUPPORT
8. 6" MIN. PEA GRAVEL
9. COMMON WIRE EXPANSION CURL
10. CONTROL WIRE EXPANSION CURL

NOTES:
1. INSTALL VALVE BOX 1" ABOVE TOP OF MULCH OR FLUSH IN PAVED AREAS
2. WRAP ALL THREADED FITTINGS W/ TEFLON TAPE

C MASTER VALVE

Scale: 1" = 1'-0"



LEGEND:

1. FINISH GRADE
2. BARK MULCH
3. VALVE BOX
4. PVC MAINLINE
5. FLOW SENSOR PER LEGEND
6. PROVIDE BRICK FOR BASE SUPPORT
7. WIRES FROM FLOW SENSOR TO CONTROLLER PER MANUFACTURES SPECIFICATIONS
8. 6" MIN. PEA GRAVEL DRAIN SUMP

NOTES:
1. INSTALL VALVE BOX 1" ABOVE TOP OF MULCH
2. WRAP ALL THREADED FITTINGS WITH TEFLON TAPE

D FLOW SENSOR

Scale: 3/4" = 1'-0"

IDENTIFICATION STAMP
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DATE: 11/09/2022

Pacific Coast Land Design, Inc.
Landscape Architecture • Urban Design • Environmental Planning
461 East Main Street, Ventura, CA 93001 805.644.9497 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MICHAEL ZIELSDORF
#6044
Signature
10/31/23
Renewal Date
Date
STATE OF CALIFORNIA

MEINERS OAKS LIBRARY

400 S Lomita Ave,
Ojai, CA 93023

Drawn By: Author
Project No.: 18637

No.	Date	Issue
01	04/22/2022	

LC-2.03

CONSTRUCTION DETAILS

Date: 5/9/22
Time: 3:34
File name: 21-027-L-Project.vwx

ANTICIPATED MONTHLY IRRIGATION SCHEDULE

valve no.	HZ#	hydrozone	flow (GPM)	irr. type	irr. effcy. (IE)	area (sq.ft.)	precip rate (PR) (in/hr.)	plant factor (PF)	JAN daily runtime (min.)	JAN freq. per week	JAN total ETWU Gallons	FEB daily runtime (min.)	FEB freq. per week	FEB total ETWU Gallons	MAR daily runtime (min.)	MAR freq. per week	MAR total ETWU Gallons	APR daily runtime (min.)	APR freq. per week	APR total ETWU Gallons	MAY daily runtime (min.)	MAY freq. per week	MAY total ETWU Gallons	JUNE daily runtime (min.)	JUNE freq. per week	JUNE total ETWU Gallons	JULY daily runtime (min.)	JULY freq. per week	JULY total ETWU Gallons	AUG daily runtime (min.)	AUG freq. per week	AUG total ETWU Gallons	SEP daily runtime (min.)	SEP freq. per week	SEP total ETWU Gallons	OCT daily runtime (min.)	OCT freq. per week	OCT total ETWU Gallons	NOV daily runtime (min.)	NOV freq. per week	NOV total ETWU Gallons	DEC daily runtime (min.)	DEC freq. per week	DEC total ETWU Gallons	ANNUAL total ETWU Gallons
A1	1	trees	3.97	Bubbler	0.81	141	2.70	0.2	3	1	48	3	1	56	4	1	74	6	1	97	7	1	117	7	1	128	8	1	145	8	1	139	7	1	117	5	1	84	3	1	56	3	1	43	1,104
A2	2	shrubs	2.70	Point Source Drip	0.81	544	0.48	0.2	8	2	183	9	2	217	12	2	283	11	3	375	13	3	450	14	3	492	12	4	558	11	4	533	13	3	450	14	2	325	9	2	217	14	1	167	4,250
POC 'A' Total Daily Runtime									0.2			0.2			0.3			0.3			0.3			0.4			0.3			0.3			0.3			0.3			0.2			0.3			5,353
ANNUAL ESTIMATED WATER USE (gallons per year)																																												5,353

IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL			GPM	PSI	DETAIL / SHEET
BUBBLERS / DRIP EMITTERS			*SERIES*	*NOZZLE MODEL*	*BODY MODEL*			
✦	2 GPH Emitter	Rain Bird(R)	Xeri-Bug(TM) Emitters	XB-20PC		0.03	15 - 50	
●	ROOT WATERING SYSTEM - POTABLE	Rain Bird(R)	Root Watering System (RWS)	RWS-B-C-1401-GRATE-SOCK	1802	0.25	20 - 90	
VALVES			*SERIES*	*MODEL*				
■	DRIP Control Zone Kit with Anti-Siphon Valve	Rain Bird(R)	Residential Medium Flow Control Zone Kits with Anti-Siphon Valve and PR Filter	XACZ-75-PRF		0.2-5.0	20 - 150	
⊕	MASTER VALVE	SUPERIOR	950DW SERIES	950100DW		0.25 - 30	10 - 150	
PIPE			*TYPE*	*NOTES*				
~	BLANK DRIP TUBING		Polyethylene Tubing					
———	LATERAL	WESTERN LASCO	PVC Schedule 40					
▮▮▮▮▮▮▮	MAINLINE	WESTERN LASCO	PVC Schedule 40					
- - - - - - - - - - - -	SLEEVES	WESTERN LASCO	PVC Schedule 40					D / LI-2.01
POINT OF CONNECTION			*MODEL*	*NOTES*				
POC	POINT OF CONNECTION			CONNECT TO EXISTING 1" HOSE BIB WATER LINE				
◒	FLOW SENSOR	HUNTER	HC-100-FLOW	BRASS 1" COUPLING FLOW SENSOR W/ PVC READING CAP				
CONTROLLER			*MODEL*	*ENCLOSURE*				
C	4-STATION PRO-C HYDRAWISE SMART CONTROLLER WITH WIRELESS SOLAR SYNC (WSS-SEN) RAIN/FREEZE SHUT-OFF AND WEATHER ADJUSTMENT.	Hunter Industries(R)	HPC-400	PLASTIC INDOOR WALL MOUNT	4-STATION PRO-C HYDRAWISE SMART CONTROLLER WITH WIRELESS SOLAR SYNC (WSS-SEN) RAIN/FREEZE SHUT-OFF AND WEATHER ADJUSTMENT.			

***CONTRACTOR TO INSTALL MANUFACTURER LISTED EQUIPMENT OR APPROVED EQUAL*

LATERAL PIPE SIZING

GPM	SIZE
1-8	3/4"
8-12	1"
12-22	1 1/4"
22-30	1 1/2"
30+	2"

WATER EFFICIENT LANDSCAPE WORKSHEET - POC 'A'

PROJECT NAME: Meiners Oaks Library
PROJECT TYPE: Commercial
PROJECT LOCATION: Ojai, CA
REFERENCE ETo: 51.0
TOTAL IRRIGATED LANDSCAPE AREA: 707 sf

MONTHLY ETo
ETo: Ojai, CA

jan.	feb.	mar.	april	may	june	**july**	aug.	sept.	oct.	nov.	dec.	**annual**
2.2	2.6	3.4	4.5	5.4	5.9	**6.7**	6.4	5.4	3.9	2.6	2.0	**51**

Maxium Applied Water Allowance (MAWA)

MAWA = (ETo) (0.62) [(ETAF x LA) + ((1 - ETAF) x SLA)]

MAWA= Maximum Applied Water Allowance
ETo = Reference Evapotranspiration (inches per year)
0.62 = Conversion factor (to gallons per square foot)
ETAF = Evapotranspiration Adjustment Factor = 0.45 for Non-residential Areas
LA = Landscaped Area including SLA (sq ft)
SLA = Portion of Landsape Area identified as Special Landscape Area - see Definitions (square feet)

Applicant to fill in boxes below:

707	Irrigated Landscape Area including Special Landscape Area/SLA (square feet)
0	Portion of Landscape Area identified as Special Landscape Area (square feet)

	ETo		*ETAF*		*AREA (sf)*		*Conversion*	*MAWA*	
MAWA for Total LA	51.0	x	0.45	x	707	x	0.62	10,060	
MAWA for SLA*	51.0	x	0.55	x	0	x	0.62	0	
Total MAWA								**10,060**	***(gallons per year)***

Estimated Total Water Use (ETWU)
ETWU = (ETo) (0.62) [(PF x HA) / IE + SLA)]

ETWU = Estimated Total Water Use
ETo = Reference Evapotranspiration (inches per year)
0.62 = Conversion factor (to gallons per square foot)
PF = Plant Factor from WUCOLS (see Table A)
HA = Hydrozone Area (square feet)
IE = Irrigation Efficiency (see Table B)
SLA - Portion of Landsape Area identified as Special Landscape Area - see Definitions (square feet)

ETAF Calculations

Regular Landscape Areas	
Total ETAF x Area	*169*
Total Area	*686*
Average ETAF	***0.25***
All Landscape Areas	
Total ETAF X Area	*169*
Total Area	*686*
Site-wide ETAF	*0.25*

Average ETAF meets requirement for this site type.

ETWU arrived from Hydrozone Table below = 5,353 gallons per year **ETWU meets MAWA requirement.**

HYDROZONE TABLE

hydrozone	plant water use	plant factor (PF)	irrigation method	irrigation efficiency (IE)	ETAF (PF/IE)	hydrozone area (HA) (sf)	ETAF X Area	% of landscape area	Hydrozone ETWU
REGULAR LANDSCAPE AREAS									
1 - trees	low	0.2	drip	0.81	0.25	141	35	21%	1,104
2 - shrubs	low	0.2	drip	0.81	0.25	544	134	79%	4,250
				Regular Landscape Area Subtotal		686	169	100%	5,353
SPECIAL LANDSCAPE AREAS (SLA)									
				Special Landscape Area Subtotal		*0*	*0*	*0%*	*0*
					Total	**686**	**169**	**100%**	**5,353**

Table A - PF (Plant Factor)

Cool Season Turf*	0.8	
Warm Season Turf**	0.6	
High Water Using Plants	0.8	can be between 0.7 - 0.9
Moderate Water Using Plants	0.5	can be between 0.4 - 0.6
Low Water Using Plants	0.2	can be between 0.1 - 0.3
Very Low water Using Plants	0.1	below 0.1

** species include tall fescue, ryegrass, bentgrass and kentucky bluegrass*
*** species include bermudagrass, zoysiagrass, st. augustinegrass*

Table B - IE (Irrigation Efficiency)

Overhead Spray	0.75
Drip	0.81
*Dripline	0.85
*ECO-mat	0.89

**note: adjustment can be made based on exact type of equipment, see irrigation legend*

Date: 5/5/22
Drawn By: LA
File name: 21-027 L1 Project.vwx

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Pacific Coast Land Design, Inc.
Landscape Architecture • Urban Design • Environmental Planning
461 East Main Street, Ventura, CA 93001 805.644.9497 www.pc-ld.com

LICENSED LANDSCAPE ARCHITECT
MITCHEL ZIELSDORF
#6044
Signature
10/31/23
Renewal Date
Date
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400 S Lomita Ave,
Ojai, CA 93023

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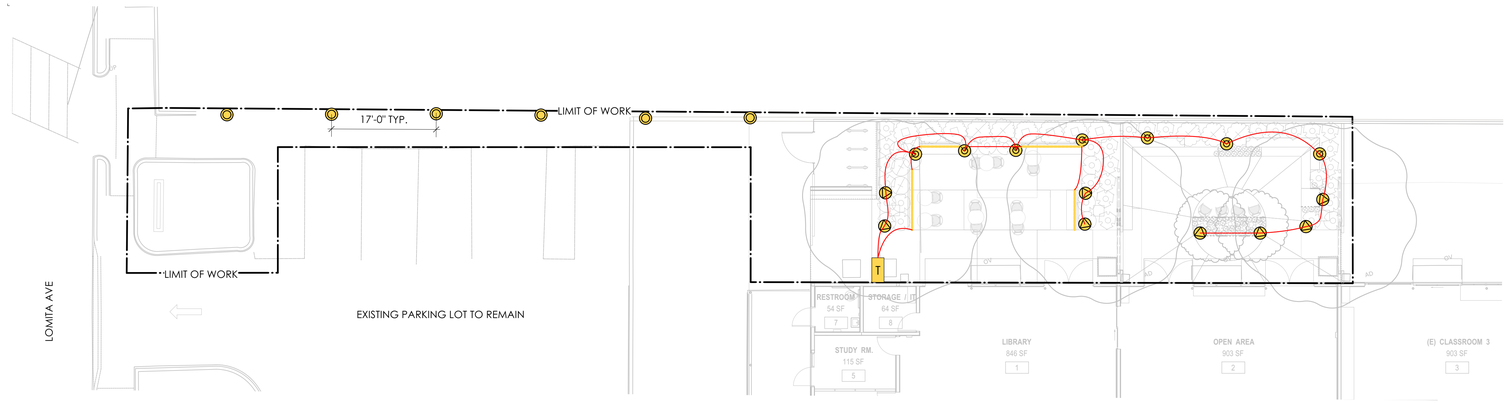
LI-1.01

IRRIGATION CALCULATIONS



LANDSCAPE LIGHTING PLAN

Scale: 1" = 10'-0"

0 10 20 30 40 50 FT

N

LOW-VOLTAGE LIGHTING SCHEDULE

SYMBOL	MFR	FIXTURE TYPE	QTY	MODEL	WATTS	TOTAL WATTS	COMMENT
FIXTURES + EQUIPMENT							
	FX LUMINAIRE	Tree Accent Lighting	8	LR-LED20WWF-LS-NP	4.3	34.4	
	FX LUMINAIRE	Wall Wash Accent Lighting	7	WS-LED35W-BZ	2.4	16.8	
	LEDSUPPLY	LED Rope Light	4	LS-ROPE-WW-LENGTH*	7.7	30.8	*Length varies to match length of benches.
T	N/A	Transformer - 100W Low Voltage	1	Electrical Lighting Plan by Others	0	0	
	LITHONIA	Bollard Lighting	7	RADB LED P4 30K ASY MVOLT BTT BCF DDBXD	19	133	See Electrical Plan

LIGHITNG IMAGES

Wall Wash Accent Light

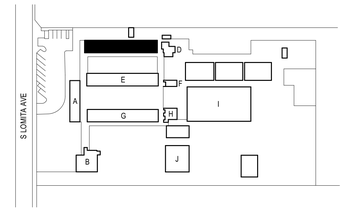
Wall Wash Accent Light

Accent Tree Lights

LED Rope Light Mounted Under Benches

LED Bollard Lighting

KEY PLAN



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400 S Lomita Ave,
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Drawn By: Author

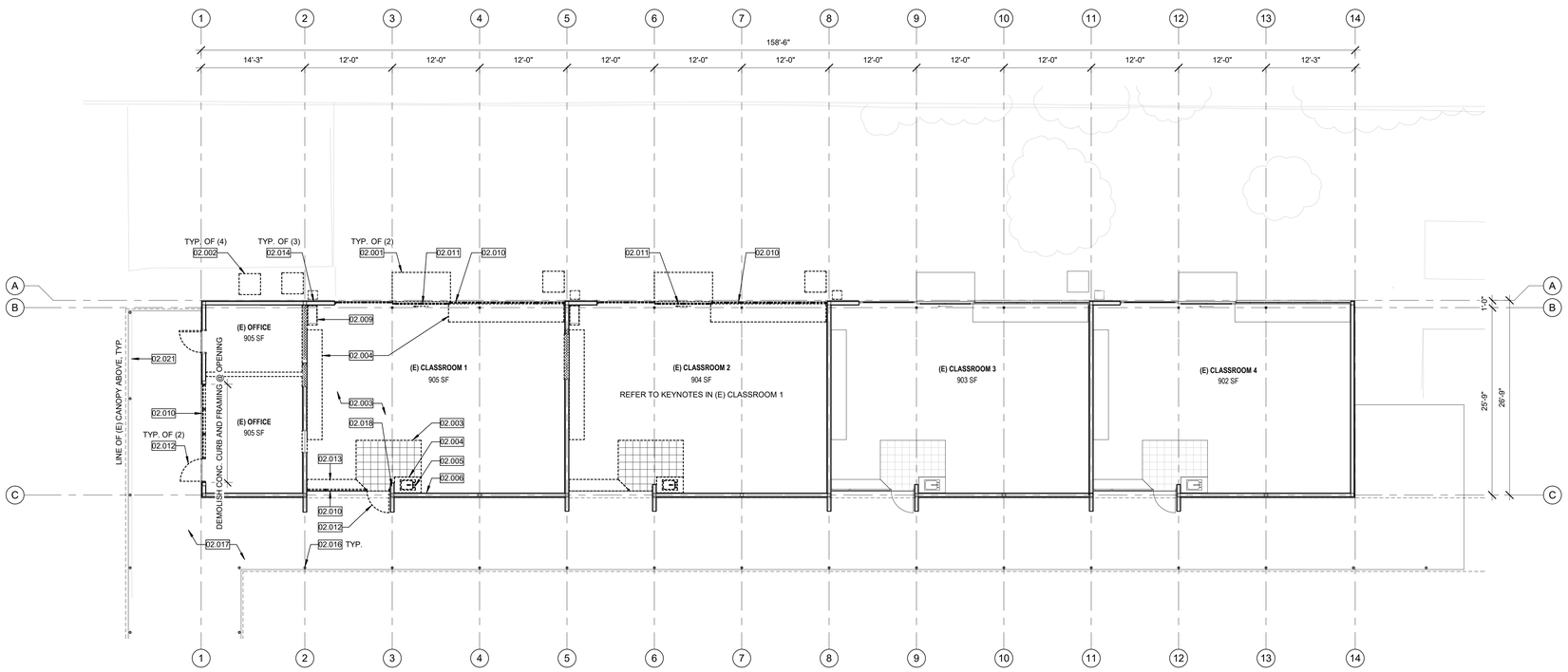
Project No.: 18637

No.	Date	Issue
01	04/22/2022	

LL-1.01

LIGHTING PLAN

Date: 5/6/22
Time: 3:54 PM
File name: 21-027 L-Projection



1 DEMOLITION FLOOR PLAN
1/8" = 1'-0"

DEMOLITION FLOOR PLAN GENERAL NOTES

A. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.

B. RECORD DRAWINGS FOR EXISTING BUILDING ARE AVAILABLE. NO GUARANTEE IS MADE AS TO ACCURACY OF DRAWINGS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. REPORT DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH AFFECTED WORK. DIMENSIONS NOTED AS "VERIFY IN FIELD" (V.I.F.) SHALL BE CHECKED AT THE SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCHITECT BEFORE INCORPORATING INTO THE WORK.

C. NO LOAD-BEARING WALL, SHEAR WALL, EXTERIOR WALL, WOOD/STEEL POST SHALL BE REMOVED UNLESS THE LOCATION & DETAILS ARE SHOWN ON STRUCTURAL DRAWINGS.

D. CONTRACTOR WILL BE REQUIRED TO REPAIR, REPLACE, OR PATCH EXISTING AREAS DISTURBED BY CONSTRUCTION.

E. NOTIFY ARCHITECT & OWNER OF ANY POSSIBLE ASBESTOS CONTAINING MATERIALS DISCOVERED BEFORE PROCEEDING WITH WORK. PROTECT INTERIOR CONSTRUCTION TO REMAIN DURING DEMOLITION AND CONSTRUCTION.

F. ALL DASHED LINES ARE DEMOLITION LINES UNLESS NOTED OTHERWISE.

G. NOTES OR DIMENSIONS LABELED "TYPICAL" SHALL APPLY TO SITUATIONS THAT ARE THE SAME OR SIMILAR.

H. REFER TO CIVIL DRAWINGS FOR SITE DEMOLITION INFORMATION.

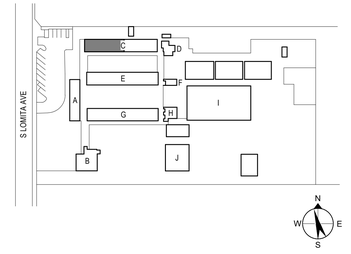
KEYNOTES

NO.	DESCRIPTION
02.001	DEMOLISH (E) CONCRETE SLAB ON GRADE
02.002	REMOVE AND STORE (E) HVAC UNIT TO BE RELOCATED. DEMOLISH ASSOCIATED CONCRETE PAD
02.003	DEMOLISH (E) FLOORING TO (E) SLAB
02.004	DEMOLISH (E) CASEWORK
02.005	REMOVE AND STORE (E) SINK, FAUCET AND BUBBLER TO BE RETURNED TO DISTRICT
02.006	REMOVE AND STORE (E) PAPER TOWEL DISPENSER TO BE RETURNED TO DISTRICT
02.009	DEMOLISH (E) F.A.U.
02.010	DEMOLISH (E) WINDOW
02.011	DEMOLISH (E) SLIDING DOOR
02.012	DEMOLISH (E) DOOR
02.013	DEMOLISH (E) SEAT WALL
02.014	DEMOLISH (E) ELECTRICAL PANEL
02.016	PROTECT IN PLACE (E) COLUMN
02.017	PROTECT IN PLACE (E) CONCRETE PAVING
02.018	REMOVE AND STORE (E) SOAP DISPENSER TO BE RETURNED TO DISTRICT
02.021	PROTECT IN PLACE (E) CONCRETE CURB

LEGEND

- PROTECT IN PLACE (E) WALL
- PROTECT IN PLACE (E) ITEM
- DEMOLISH (E) NON-LOAD-BEARING / SHEAR WALL
- DEMOLISH (E) LOAD BEARING / SHEAR WALL
- DEMOLISH ITEM
- DEMOLISH (E) WINDOW
- DEMOLISH (E) DOOR

KEY PLAN



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DATE: 11/09/2022

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805.644.8180

JAMES E. ARMSTRONG
LICENSED ARCHITECT
No. C-30903
EXP. MAY. 31, 2023
STATE OF CALIFORNIA

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

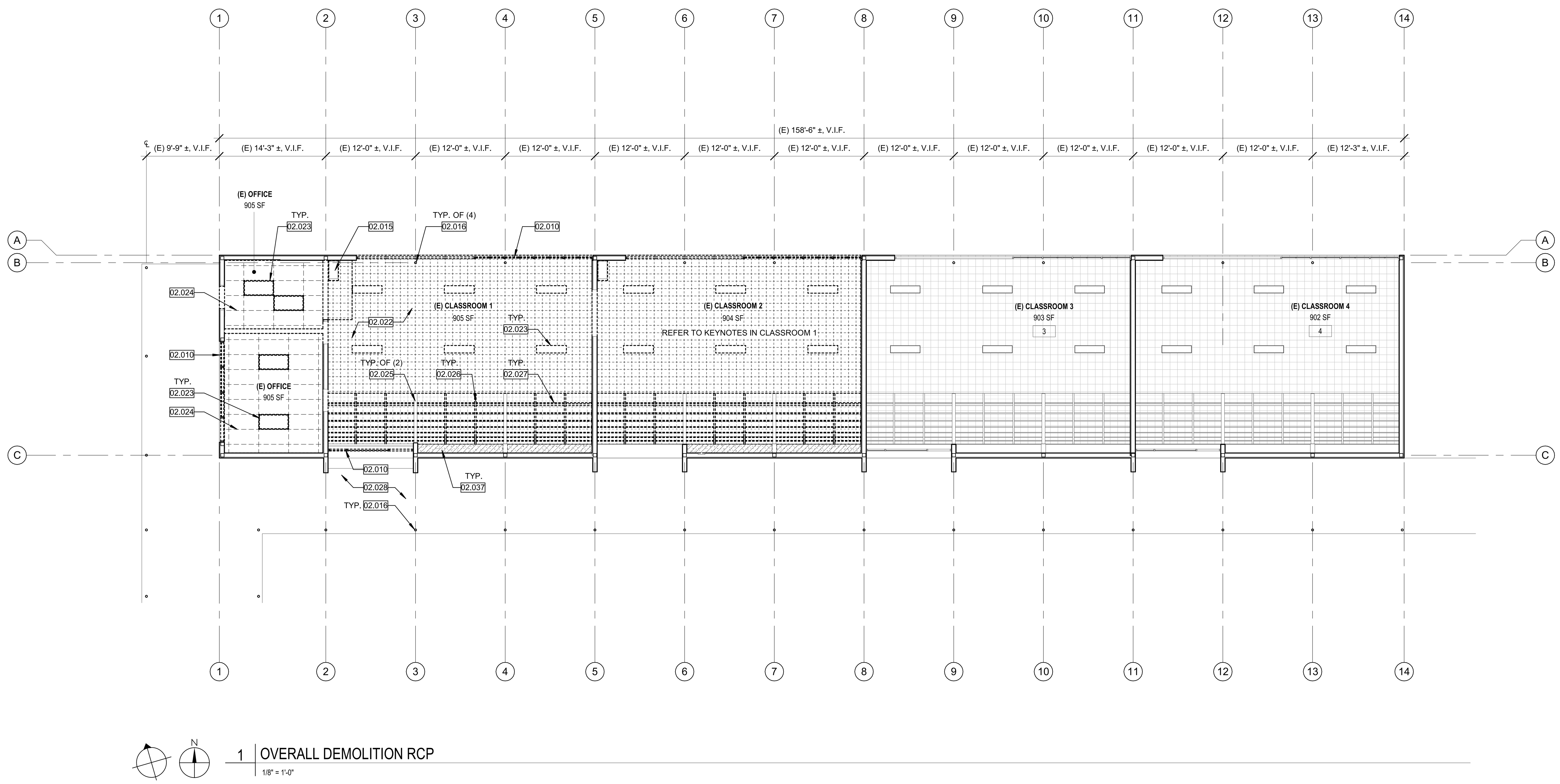
400 S LOMITA AVE,
OJAI, CA 93023

Drawn By:	Author
Project No.:	18637

No.	Date	Issue
	8/2/2022	DSA Submittal 2

D2.00

OVERALL DEMOLITION PLAN



1 OVERALL DEMOLITION RCP

1/8" = 1'-0"

DEMOLITION REFLECTED CEILING PLAN GENERAL NOTES

1. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.
2. DO NOT DEMOLISH STRUCTURAL BUILDING ELEMENTS UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS.
3. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. REPORT DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH AFFECTED WORK.
4. CONTRACTOR WILL BE REQUIRED TO REPAIR, REPLACE, OR PATCH EXISTING AREAS DISTURBED BY CONSTRUCTION.
5. NOTIFY ARCHITECT & OWNER OF ANY POSSIBLE ASBESTOS CONTAINING MATERIALS DISCOVERED BEFORE PROCEEDING WITH WORK, PROTECT INTERIOR CONSTRUCTION TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
6. NOTES OR DIMENSIONS LABELED "TYPICAL" SHALL APPLY TO SITUATIONS THAT ARE THE SAME OR SIMILAR.

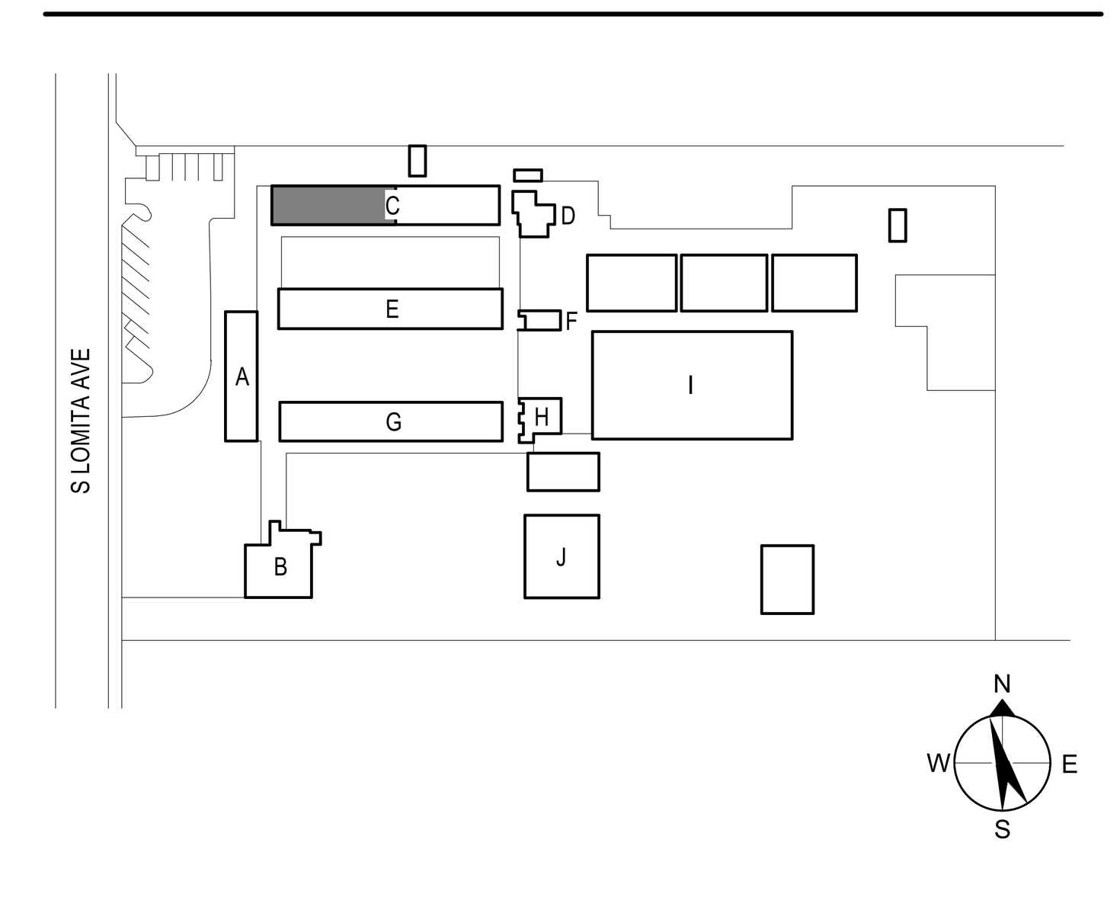
KEYNOTES

NO.	DESCRIPTION
02.010	DEMOLISH (E) WINDOW
02.015	PROTECT IN PLACE (E) FAU
02.016	PROTECT IN PLACE (E) COLUMN
02.022	DEMOLISH (E) ACOUSTIC CEILING TILES AND (E) FINISH TO CEILING JOISTS
02.023	DEMOLISH (E) LIGHT FIXTURE
02.024	DEMOLISH (E) SUSPENDED CEILING
02.025	DEMOLISH (E) FINISH, PROTECT IN PLACE (E) STRUCTURAL TRUSS
02.026	DEMOLISH (E) CEILING JOIST TO TRUSS
02.027	DEMOLISH (E) METAL LOUVERS
02.028	PROTECT IN PLACE (E) PLASTER SOFFIT
02.037	DEMOLISH (E) FINISH TO CEILING FRAMING

LEGEND

- PROTECT IN PLACE (E) WALL
- PROTECT IN PLACE (E) ITEM
- DEMOLISH (E) NON-LOAD-BEARING / SHEAR WALL
- DEMOLISH (E) LOAD BEARING / SHEAR WALL
- DEMOLISH ITEM
- DEMOLISH (E) WINDOW
- DEMOLISH (E) 24" x 48" SUSPENDED CEILING
- DEMOLISH (E) 12" ACOUSTIC CEILING TILES AND (E) FINISH TO CEILING FRAMING
- DEMOLISH (E) CEILING FINISH TO CEILING FRAMING

KEY PLAN



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OVERALL DEMOLITION RCP

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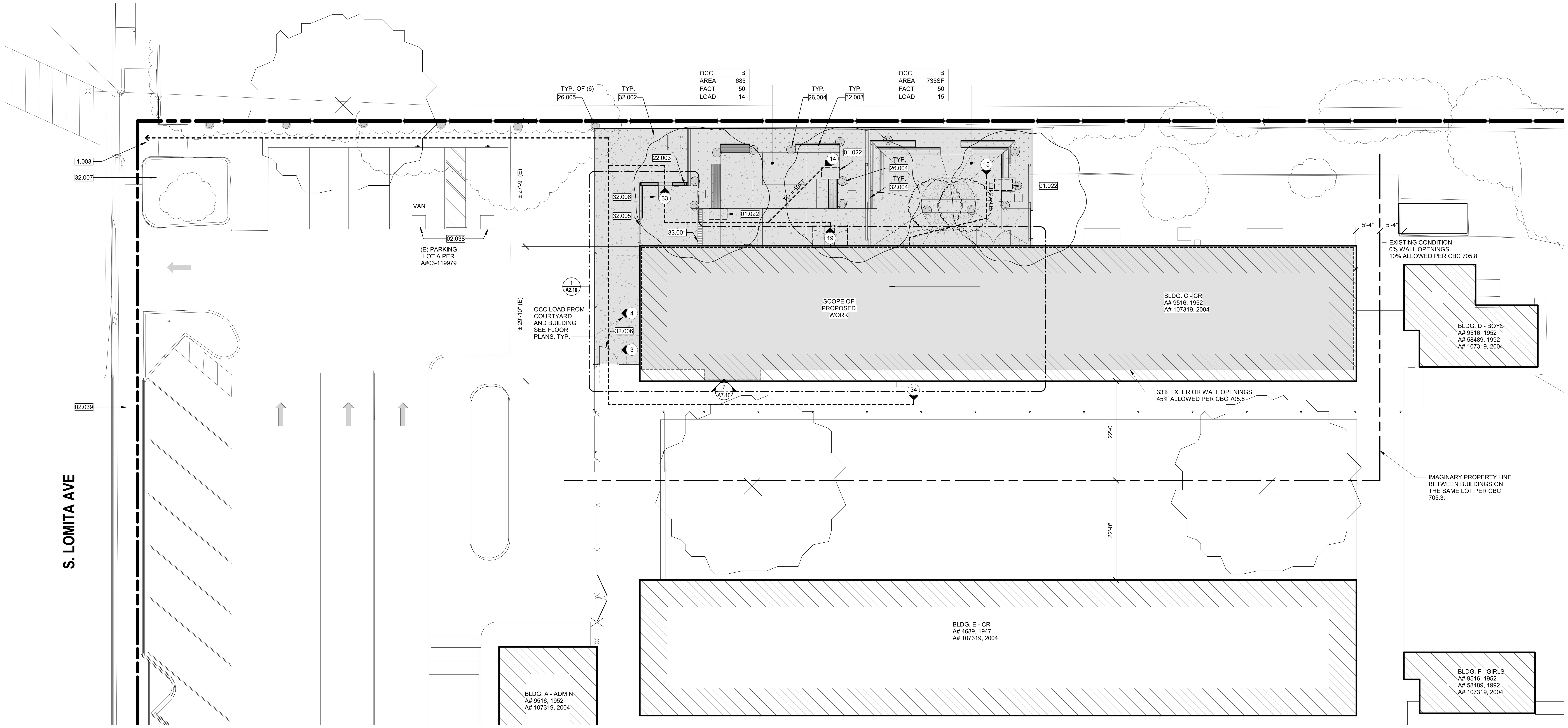


01 SITE PLAN
1" = 10'-0"

SITE PLAN GENERAL NOTES

A. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.
B. REFER TO LANDSCAPE DRAWINGS FOR PLANTING AND IRRIGATION.
C. REFER TO CIVIL DRAWINGS FOR GRADING AND UTILITIES.
D. REFER TO ELECTRICAL DRAWINGS FOR TRANSFORMER LOCATIONS AND ALL UNDERGROUND ELECTRICAL VAULTS.
E. REFER TO G3.01 FOR FIRE AND LIFE SAFETY INFORMATION.

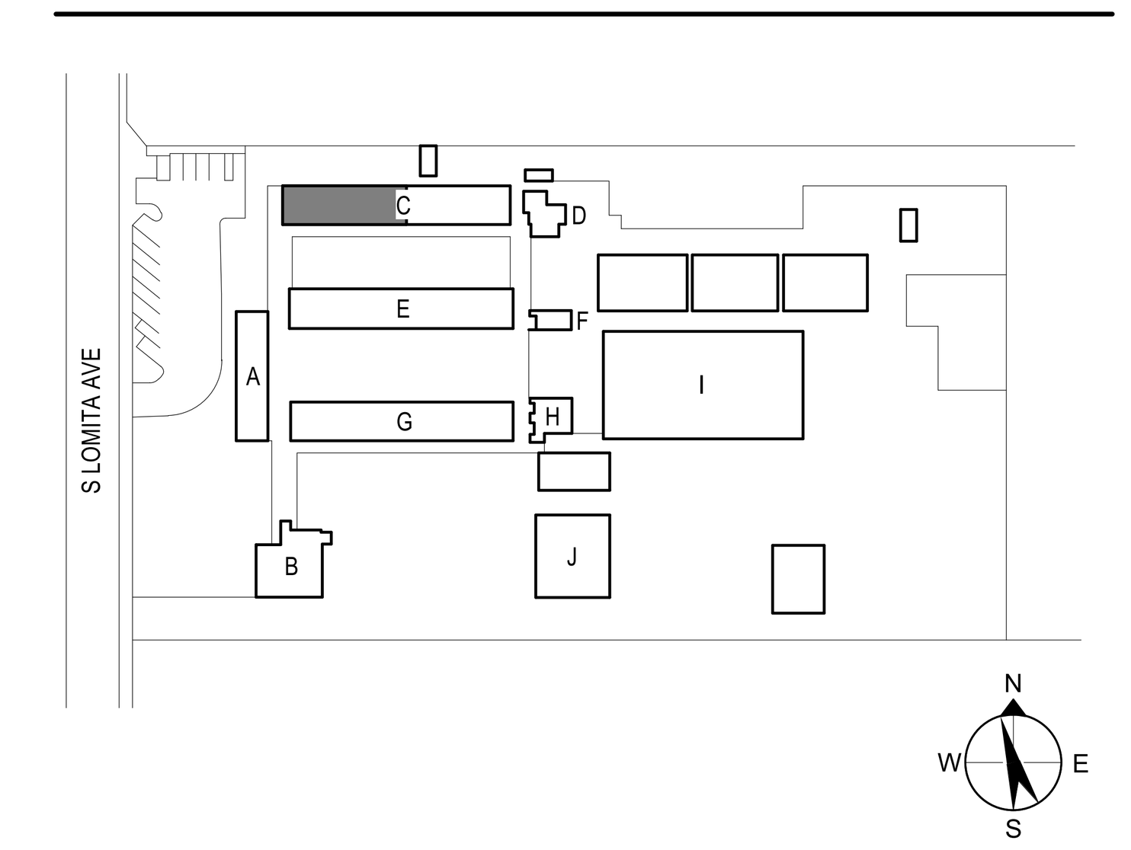
LEGEND

CONCRETE PAVING
EXTENT OF INTERIOR IMPROVEMENTS
PLANTING SEE LANDSCAPE PLANS
EXTENT OF EXTERIOR IMPROVEMENTS

KEYNOTES

NO.	DESCRIPTION
1.003	EXIT DISCHARGE
01.022	ACCESSIBLE SEATING
02.038	(E) ACCESSIBLE PARKING STALL PER A#03-119979
02.039	(E) PUBLIC SIDEWALK
22.003	ROOF DRAIN PIPE, STEEL SCHEDULE 40, PRE-FINISHED. REFER TO 9/A9.00 FOR ATTACHMENT INFORMATION. DRAIN TO LANDSCAPE SWALE AND STORM WATER SYSTEM PER CIVIL PLANS.
26.004	ACCENT LIGHTING, REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
26.005	EGRESS ILLUMINATION, REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
32.002	PROVIDE BIKE RACK, REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
32.003	SITE SEATING, REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
32.004	PROVIDE PRIVACY WALL AND SLIDING GATE, REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
32.005	SLIDING ENTRY GATE, REFER TO SHEET A2.10 AND A7.10. GATE TO REMAIN OPEN DURING BUSINESS HOURS, SEE SHEET A9.60 FOR SIGNAGE INFORMATION.
32.006	PROVIDE ACCESSIBLE GATE, REFER TO A2.10 AND A7.10 FOR ADDITIONAL INFORMATION
32.007	PROVIDE MONUMENT SIGNAGE, REFER TO LANDSCAPE DRAWINGS.
33.001	ADA COMPLIANT TRENCH DRAIN. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION

KEY PLAN



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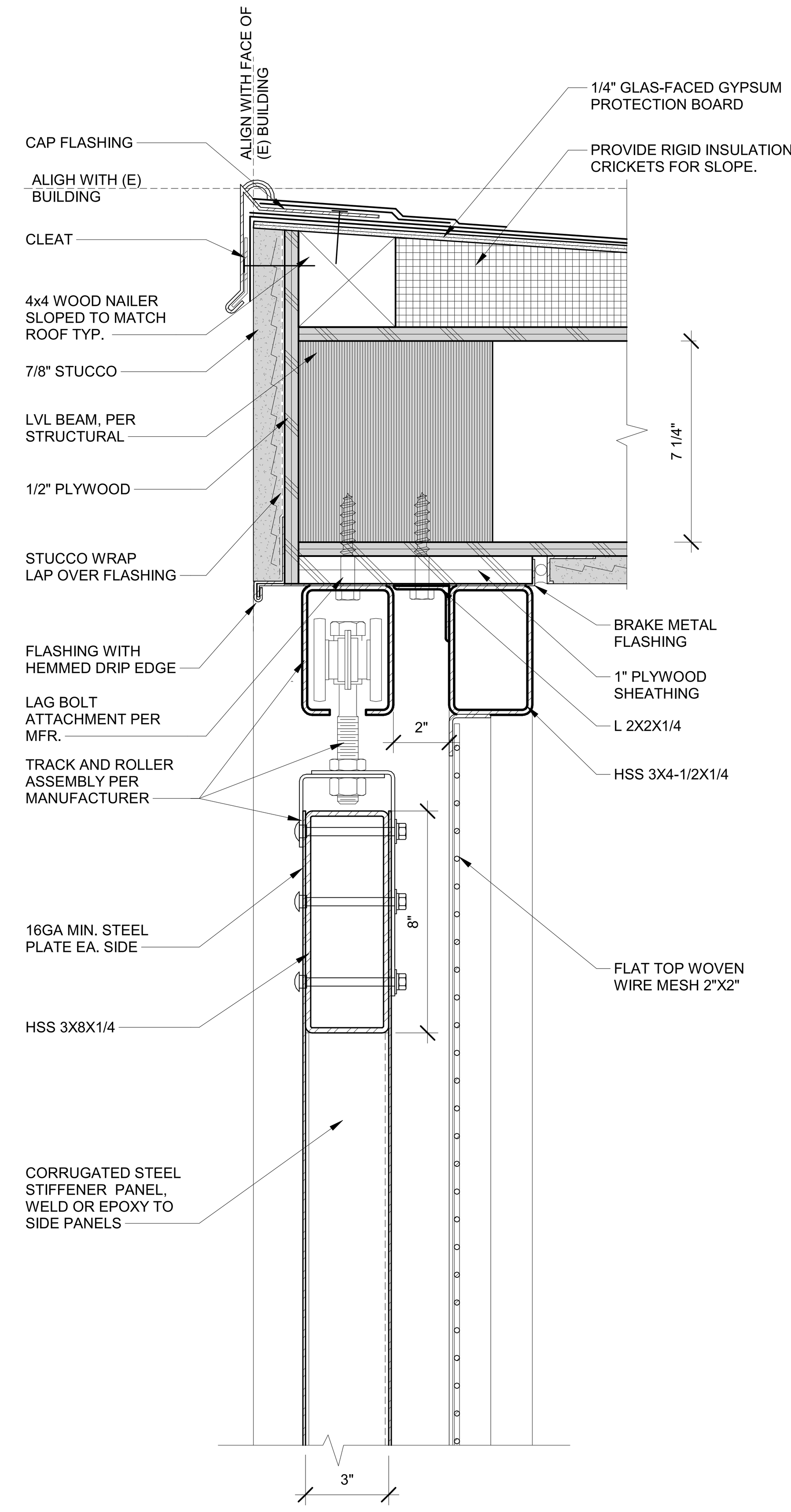
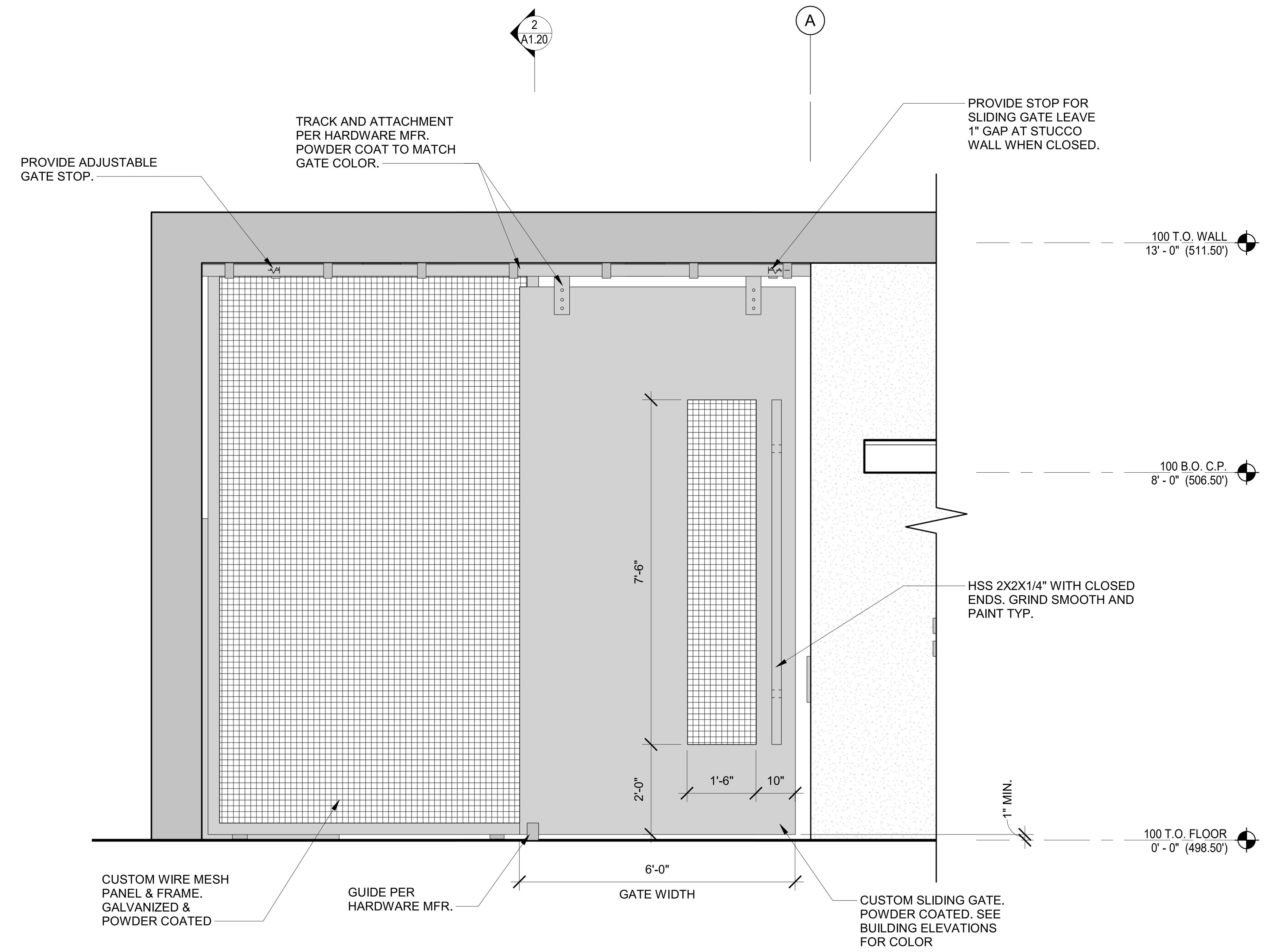
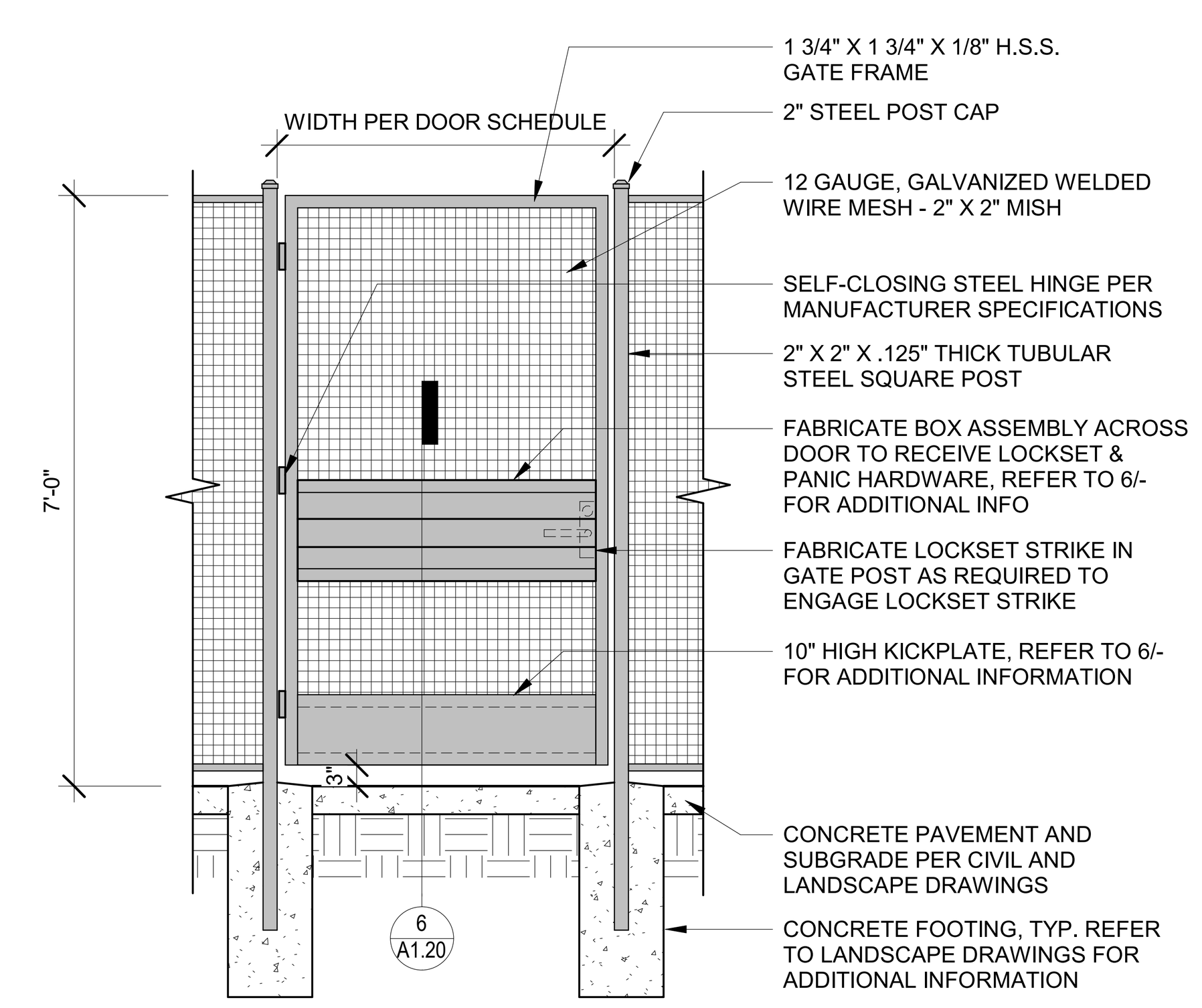
SITE PLAN



4 | GATE HEAD DETAIL
3" = 1'-0"

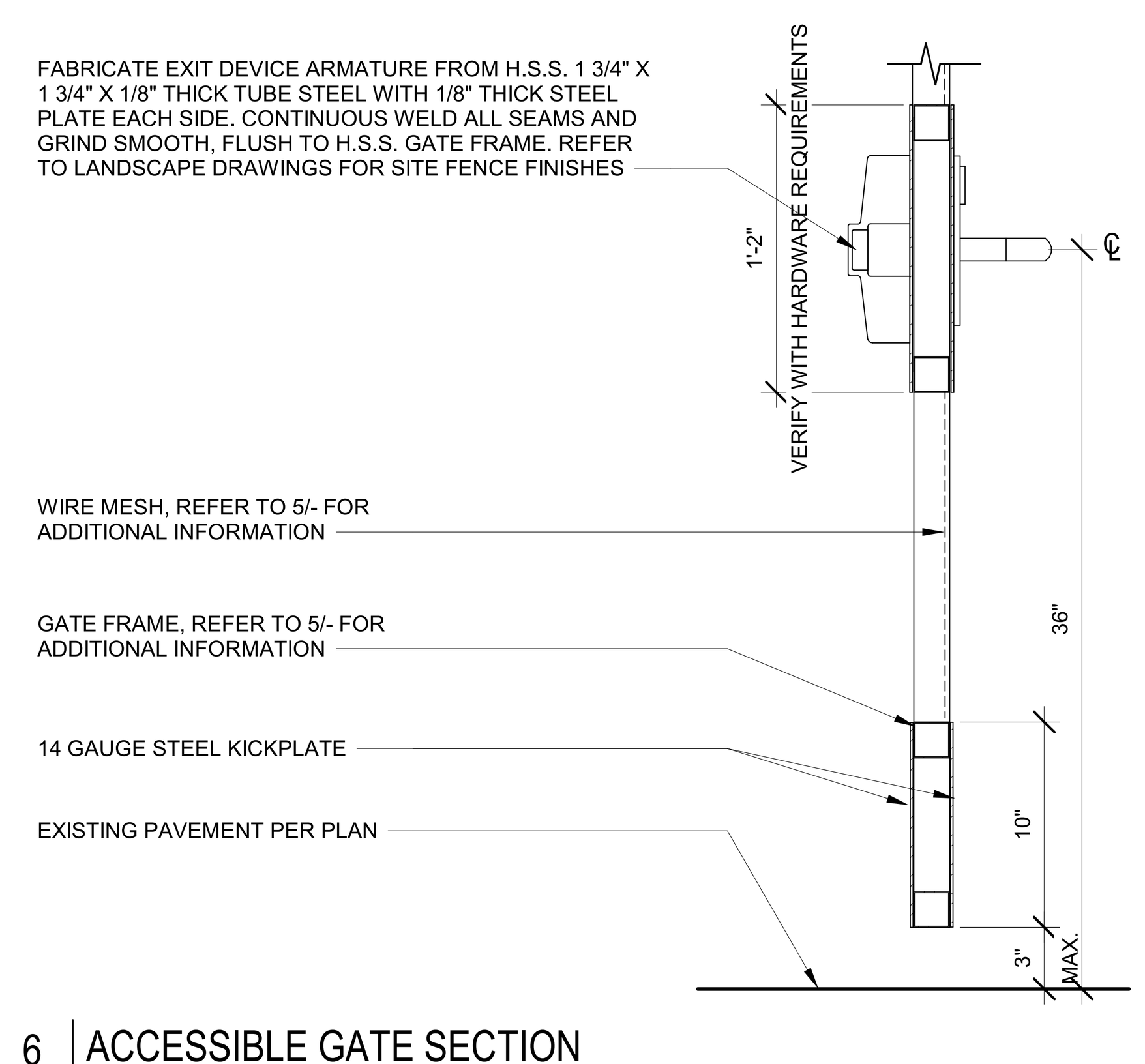


1 | HANGING GATE ELEVATION
1/2" = 1'-0"

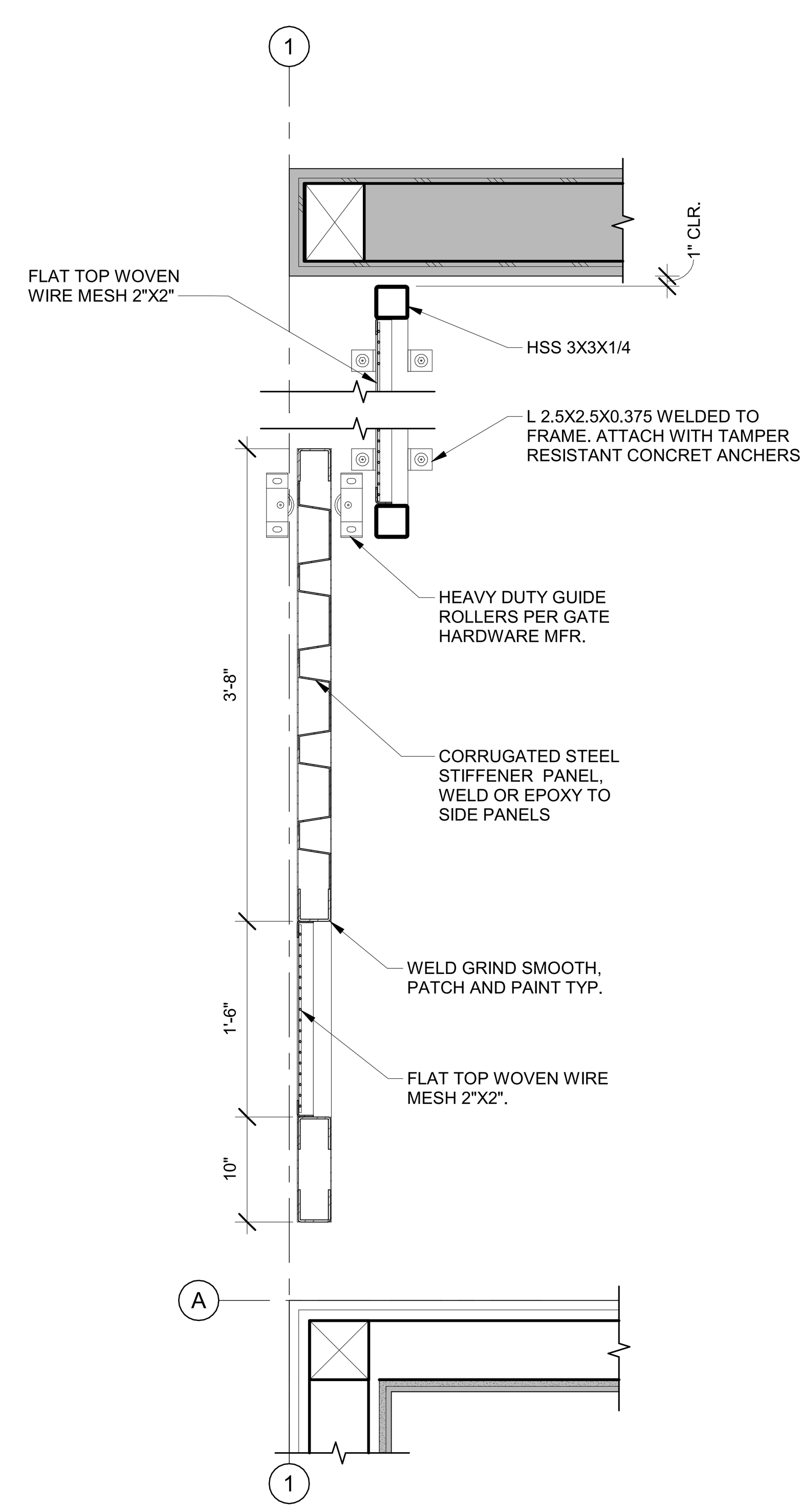


NOTE:
REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION AND SITE FENCE CONSTRUCTION DETAILS.

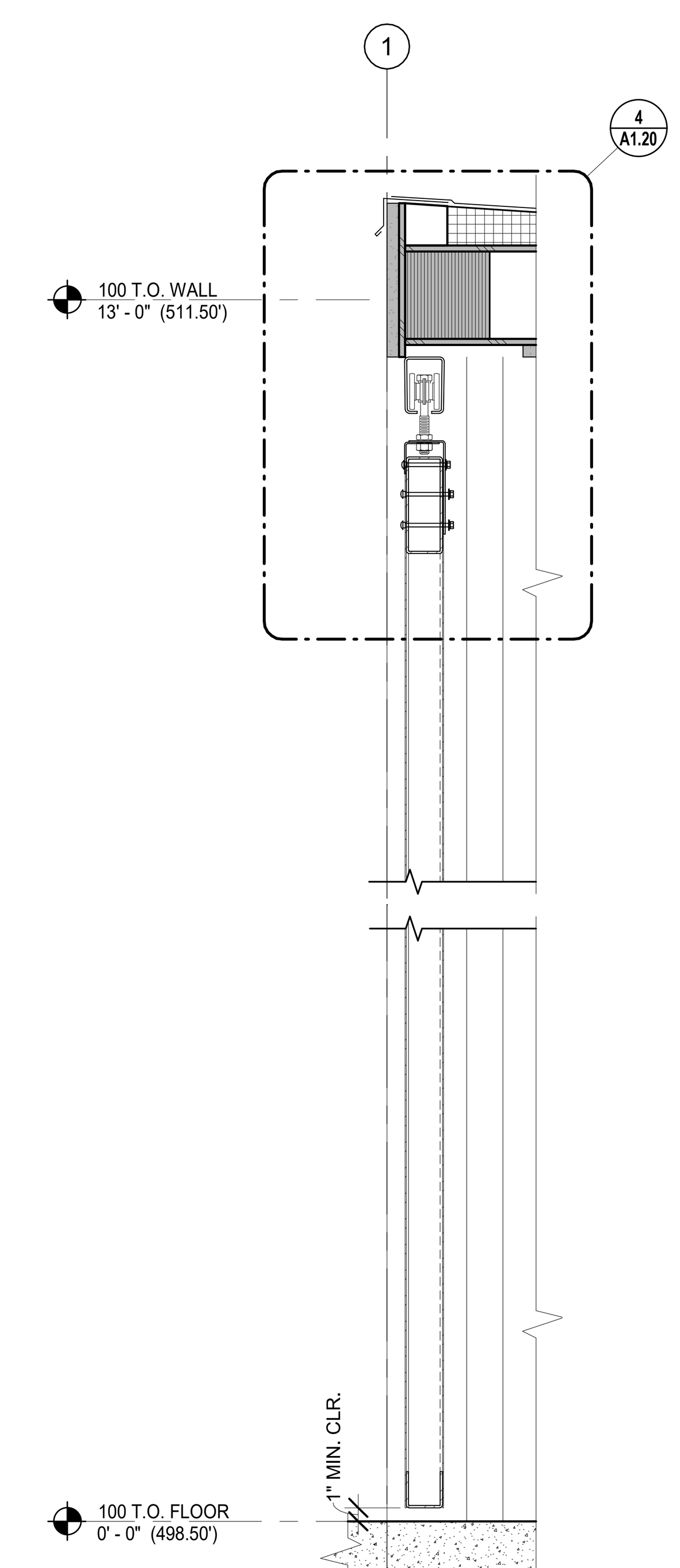
5 | ACCESSIBLE SWING GATE
1/2" = 1'-0"



6 | ACCESSIBLE GATE SECTION
1 1/2" = 1'-0"



3 | GATE PLAN VIEW
1" = 1'-0"



2 | GATE SECTION
1" = 1'-0"

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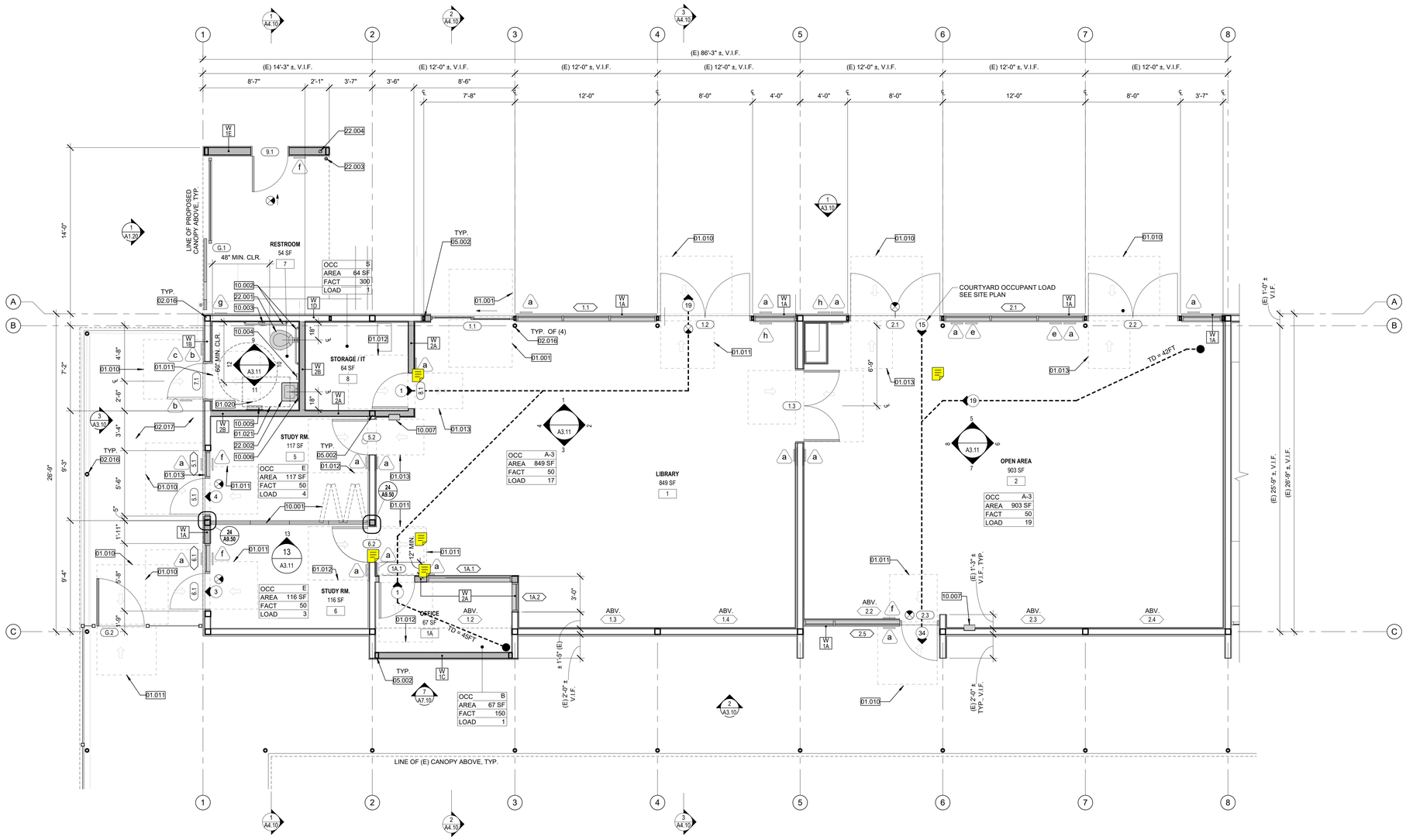
A1.20

SITE DETAILS



1 FIRST FLOOR PLAN

1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

A. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.

B. REFER TO DOOR AND WINDOW MANUFACTURER SPECIFICATIONS FOR ACTUAL ROUGH OPENINGS.

C. FOR SPECIFIC WALL ASSEMBLY INFORMATION SEE DETAIL 1/A9.00.

D. REFER TO STRUCTURAL DRAWINGS FOR SHEAR WALL, HOLD DOWN LOCATIONS AND BEAM SIZES.

E. PROVIDE WALL GUARDS AT EXPOSED GYPSUM BOARD OUTSIDE CORNERS IN PUBLIC AREAS.

F. REFER TO SHEET G4.20 FOR ACCESSIBILITY STANDARDS.

G. REFER TO INTERIOR ELEVATIONS ON A3.11 FOR ADDITIONAL INFORMATION.

H. ALL INTERIOR FINISHES ARE NEW UNLESS NOTED OTHERWISE.

I. ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.

J. ALL DOORS ARE LOCATED 4" FROM WALL FINISH AT THE HINGE SIDE UNLESS OTHERWISE NOTED.

KEYNOTES

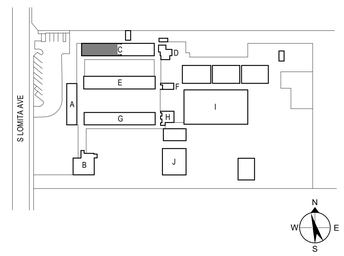
NO.	DESCRIPTION
01.001	CLEAR FLOOR SPACE AT SLIDING DOOR LATCH APPROACH PER DETAIL 6/G4.20 FIG. 11B-404.2.4.2 (D)
01.010	FRONT APPROACH EXTERIOR SWING DOOR PULL SIDE PER DETAIL 6/G4.20 FIG. 11B-404.2.4.1 (A)
01.011	FRONT APPROACH SWING DOOR PUSH SIDE WITH LATCH AND CLOSER PER DETAIL 6/G4.20 FIG.
01.012	CLEAR FLOOR SPACE FRONT APPROACH SWING DOOR PULL SIDE PER DETAIL 6/G4.20 FIG. 11B-404.2.4.1 (A)
01.013	FRONT APPROACH SWING DOOR PUSH SIDE PER DETAIL 6/G4.20 FIG.
01.020	5FT CLEAR TURN RADIUS PER DETAIL 8/G4.20 FIG. 11B-304.3.1
01.021	30X48 CLEAR FLOOR SPACE PER DETAIL 8/G4.20 FIG. 11B-305.3
02.016	PROTECT IN PLACE (E) COLUMN
02.017	PROTECT IN PLACE (E) CONCRETE PAVING
05.002	COLUMN; REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
10.001	PROVIDE ACCORDION FOLDING PARTITION, BASIS OF DESIGN 6LBS PER SQUARE FOOT.
10.002	PROVIDE ACCESSIBLE GRAB BAR, REFER TO ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION
10.003	PROVIDE TOILET PAPER DISPENSER PER DISTRICT STANDARD, REFER TO ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION
10.004	PROVIDE SOAP DISPENSER PER DISTRICT STANDARD, REFER TO ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION
10.005	PROVIDE ACCESSIBLE PAPER TOWEL DISPENSER PER DISTRICT STANDARD, REFER TO ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION
10.006	PROVIDE MIRROR PER DISTRICT STANDARDS. REFER TO ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION.
10.007	PROVIDE SEMI-RECESSED FIRE EXTINGUISHER CABINET. REFER TO DETAIL 11/A9.00 FOR ADDITIONAL INFORMATION
22.001	PROVIDE ACCESSIBLE TOILET, REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
22.002	PROVIDE ACCESSIBLE LAVATORY, REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
22.003	ROOF DRAIN PIPE, STEEL SCHEDULE 40, PRE-FINISHED. REFER TO 9/A9.00 FOR ATTACHMENT INFORMATION. DRAIN TO LANDSCAPE SWALE AND STORM WATER SYSTEM PER CIVIL PLANS.
22.004	ROOF OVERFLOW DRAIN WITH 2" HIGH DAM. ROUTE DRAIN THROUGH WALL AND DAYLIGHT 12" ABOVE FINISH GRADE.

LEGEND

- **PROTECT IN PLACE EXISTING STRUCTURE**
- **NEW CONSTRUCTION** REFER TO NOTES AND DETAIL REFERENCES ON EACH PLAN.
- 0.0 **DOOR TAG** REFER TO DOOR SCHEDULE SHEET A7.10
- 0.0 **WINDOW TAG** REFER TO WINDOW SCHEDULE SHEET A7.10
- X **SIGNAGE TAG** REFER TO 2/A9.60
- 0.0 **ASSEMBLY TAG** REFER TO DETAIL 1/A9.00
- **ACCESSIBLE CLEARANCES PER CBC CHAPTER 11B** REFER TO KEYNOTES AND DETAILS ON SHEET G4.20
- FE **FIRE EXTINGUISHER 75FT MAX. TRAVEL DISTANCE**
- EXIT **TACTILE EXIT SIGN**
- SD **SMOKE ALARM** INSTALLED PER NFPA 72 AND THE CBC SECTION 907
- AV **AUDIBLE / VISIBLE ALARM**
- **ILLUMINATED EXIT SIGN**
  - ILLUMINATED SURFACE
  - DIRECTION OF ARROWS
- T.D. **EXIT ACCESS TRAVEL DISTANCE**
- C.P. **COMMON PATH OF TRAVEL DISTANCE**
- **OCCUPANCY TAG**

OCC R2	OCCUPANCY GROUP
AREA 150 SF	AREA OF ROOM / SPACE
FACT 200	OCCUPANCY LOAD FACTOR
LOAD 4	OCCUPANCY LOAD

KEY PLAN



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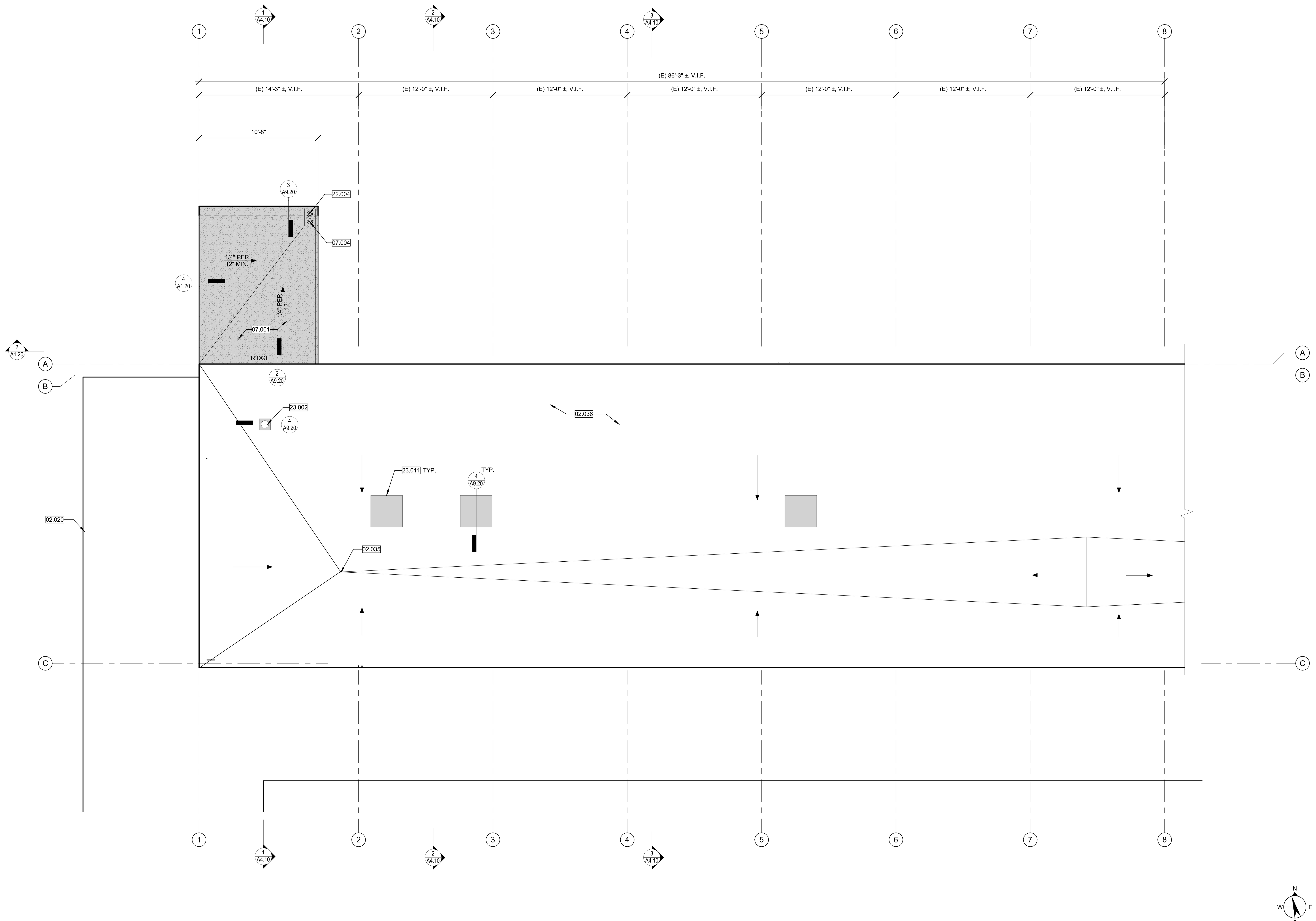
FLOOR PLAN



1 ROOF PLAN

1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.
2. ANY ROOFING MEMBERS OBSERVED TO BE COMPROMISED TO BE REPLACED IN COMPLIANCE WITH DSA-APPROVED EXISTING CONDITION DRAWINGS.
3. PROVIDE PENETRATION FLASHING FOR ALL ROOF TOP EQUIPMENT AND RELATED CONDUIT AND PIPING. REFER TO PRODUCT SPECIFICATION, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR LOCATION AND QUANTITIES OF PENETRATIONS NOT INDICATED ON ARCHITECTURAL ROOF PLAN.
4. ALL ROOF PENETRATIONS TO MAINTAIN REQUIRED FIRE RATING(S).
5. REFER TO 5/A9.20 FOR ROOF DETAILS AT PLUMBING PENETRATIONS.

KEYNOTES

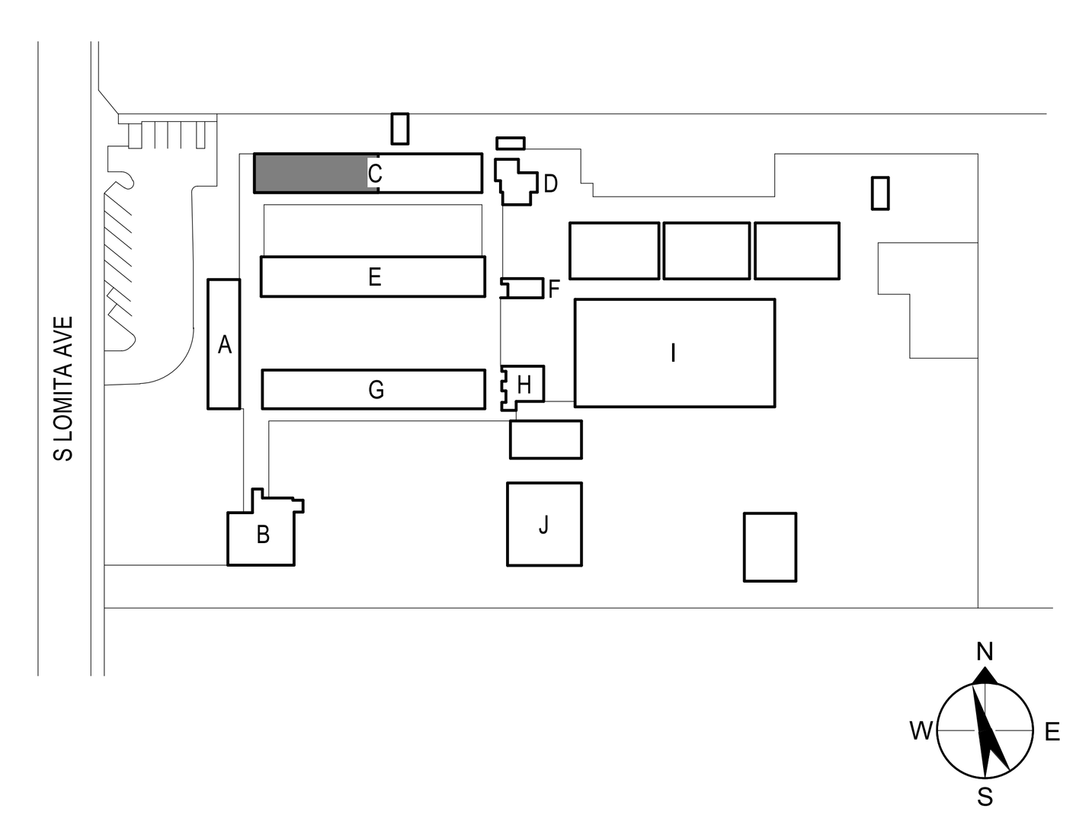
NO.	DESCRIPTION
02.020	PROTECT IN PLACE (E) CANOPY
02.035	PROTECT IN PLACE (E) ROOF SUMP
02.036	PROTECT IN PLACE (E) ROOFING
07.001	PROVIDE CANOPY
07.004	ROOF DRAIN, REFER TO 6/A9.20
22.004	ROOF OVERFLOW DRAIN WITH 2" HIGH DAM. ROUTE DRAIN THROUGH WALL AND DAYLIGHT 12" ABOVE FINISH GRADE.
23.002	EXHAUST FAN, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
23.011	RELOCATE (E) CONDENSER UNIT

LEGEND

EXISTING TO REMAIN PROTECT IN PLACE

PROPOSED NEW CONSTRUCTION. REFER TO 8/A9.20 FOR FASTENING PATTERN.

KEY PLAN



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REN. MAY 31, 2023
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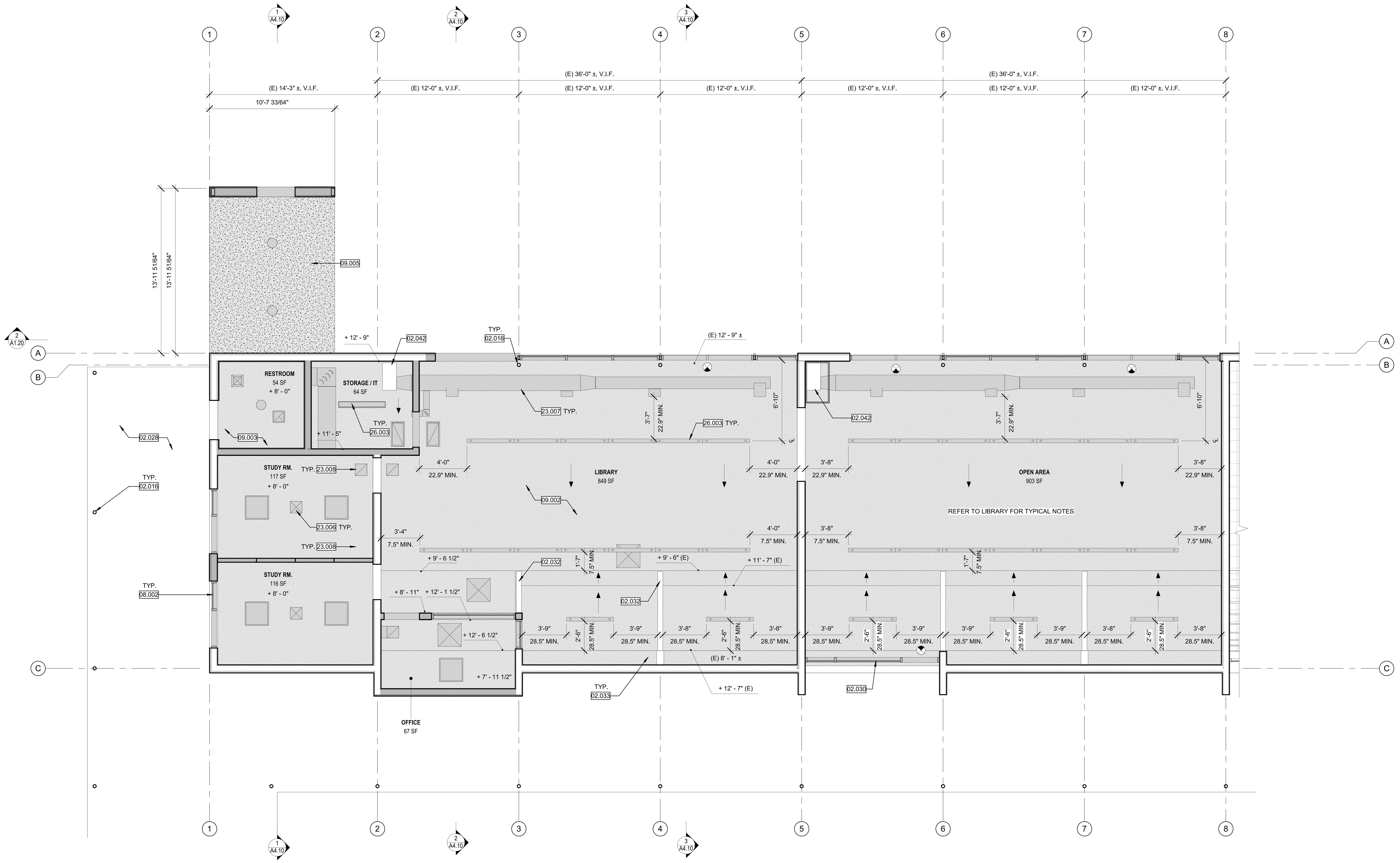
ROOF PLAN



1 RCP ENLARGED

1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.
2. INSTALL REQUIRED BACKING FOR LIGHT FIXTURE SUPPORTS.
3. PAINT ALL EXPOSED STEEL, PIPE, CONDUIT, AND DUCTWORK.
4. REFER TO ELECTRICAL DRAWINGS FOR FIRE ALARM DEVICE LOCATIONS.

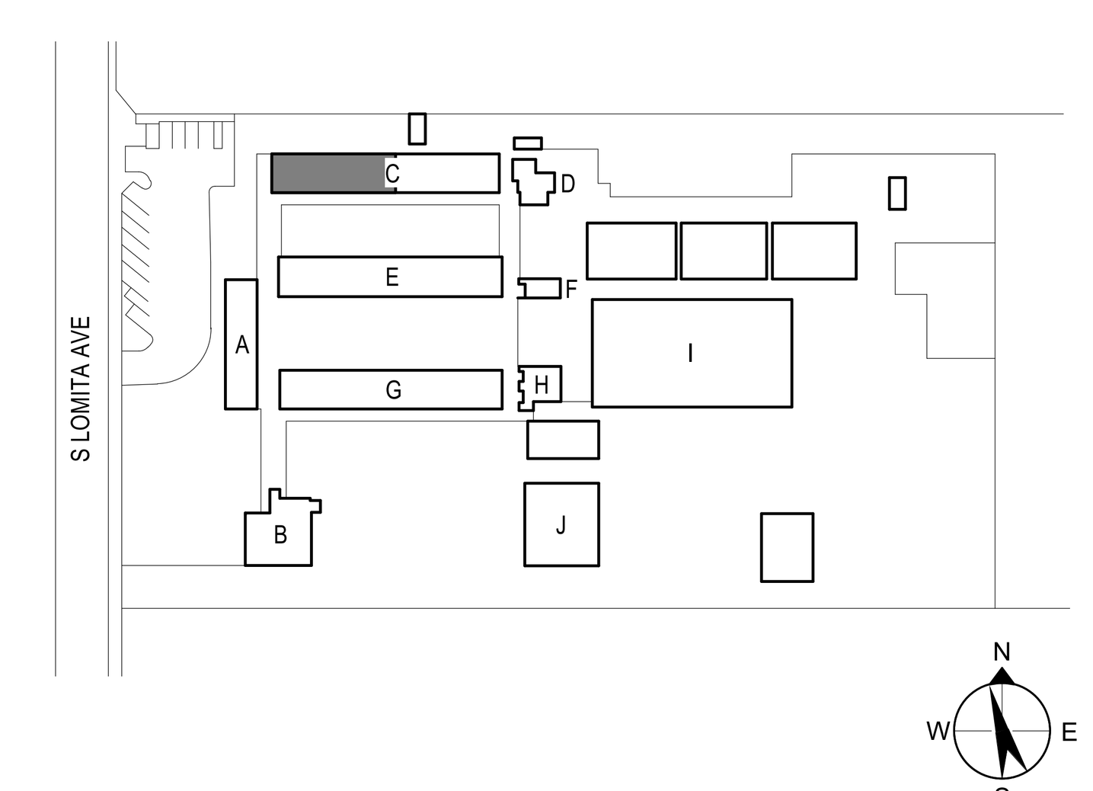
KEYNOTES

NO.	DESCRIPTION
02.016	PROTECT IN PLACE (E) COLUMN
02.028	PROTECT IN PLACE (E) PLASTER SOFFIT
02.030	PROTECT IN PLACE (E) WINDOW
02.032	PROTECT IN PLACE (E) STRUCTURAL TRUSS
02.033	PROTECT IN PLACE (E) INTERIOR GYPSUM PLASTER CEILING FINISH
02.042	(E) FORCED AIR UNIT. PROVIDE MECHANICAL CLOSET, REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION
08.002	PROVIDE WINDOW PER WINDOW SCHEDULE
09.002	PROVIDE GYPSUM BOARD FINISH, PAINT PER FINISH SCHEDULE
09.003	PROVIDE GLASS MAT GYPSUM WALL BOARD FINISH, PAINT PER FINISH SCHEDULE
09.005	PROVIDE EXTERIOR PLASTER SOFFIT FINISH, PAINT PER DISTRICT STANDARD
23.006	SUPPLY DIFFUSER, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
23.007	MECHANICAL DUCT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
23.008	RETURN DIFFUSER, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
26.003	PROVIDE LINEAR LED LIGHT FIXTURE, PENDANT TYPE. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

LEGEND

- PROTECT IN PLACE (E) STRUCTURE
- PROPOSED WALL, REFER TO FLOOR PLAN FOR WALL TYPES
- PROVIDE GYPSUM BOARD CEILING, PAINT PER DISTRICT STANDARD. REFER TO 13/A9.00 FOR ASSEMBLY INFORMATION
- PROVIDE EXTERIOR PLASTER SOFFIT, REFER TO 14/A9.00 FOR ASSEMBLY INFORMATION
- PROVIDE SURFACE MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- PROVIDE RECESSED CAN LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
- PROVIDE LINEAR LED PENDANT LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

KEY PLAN



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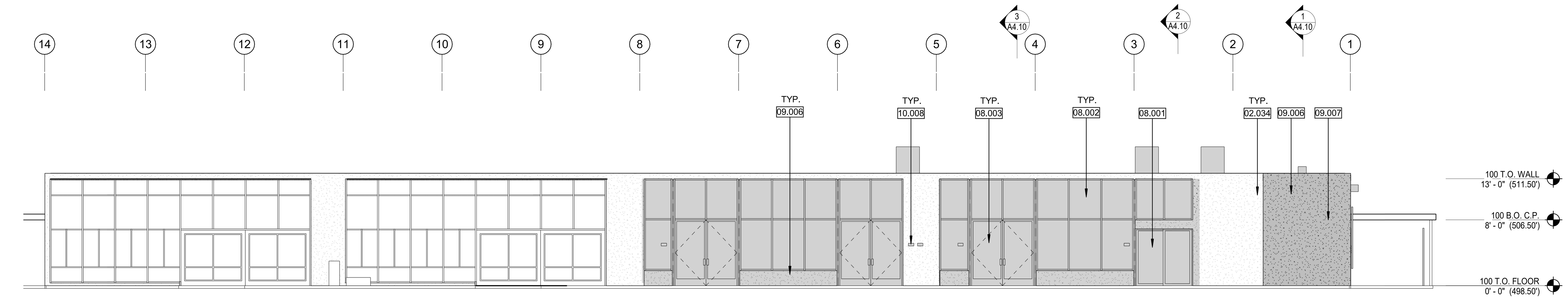
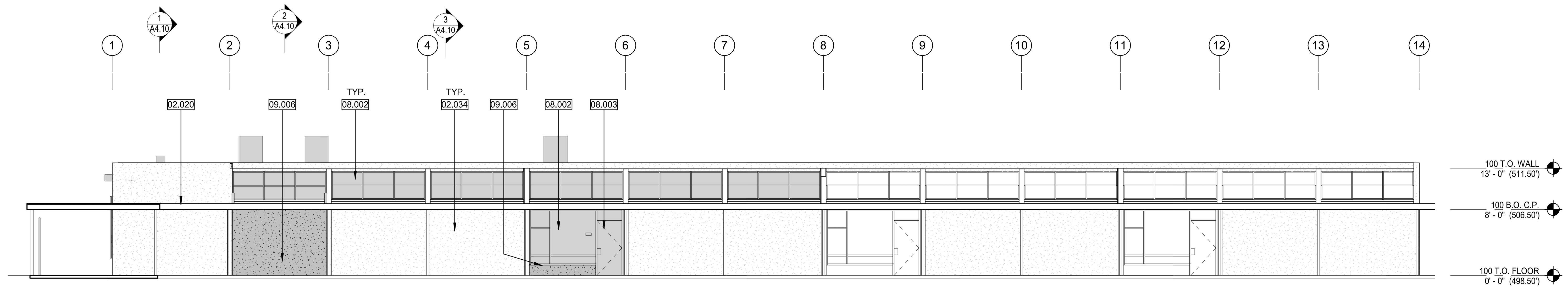
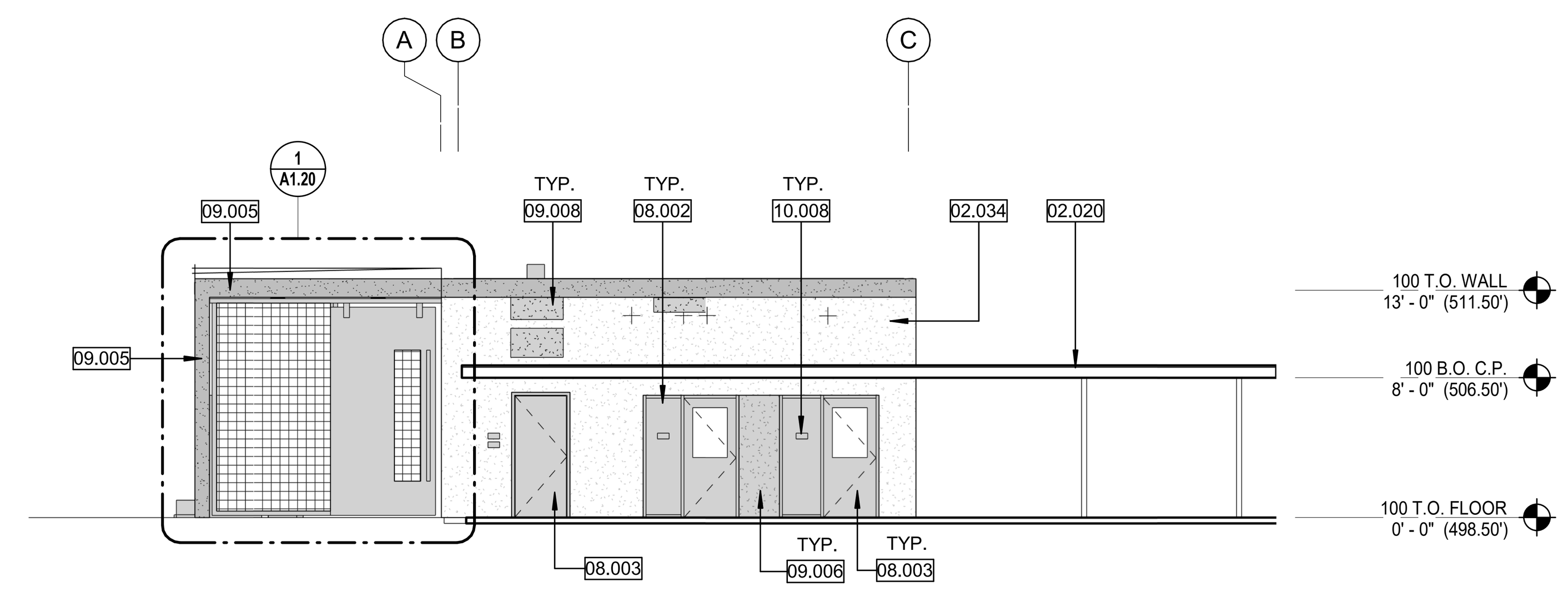
REFLECTED CEILING PLAN



1 NORTH ELEVATION
1/8" = 1'-0"



2 SOUTH ELEVATION
1/8" = 1'-0"



3 WEST ELEVATION
1/8" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

A. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.

B. PATCH AND REPAIR (E) ADJACENT EXTERIOR FINISHES AS REQUIRED TO ACCOMMODATE NEW WORK.

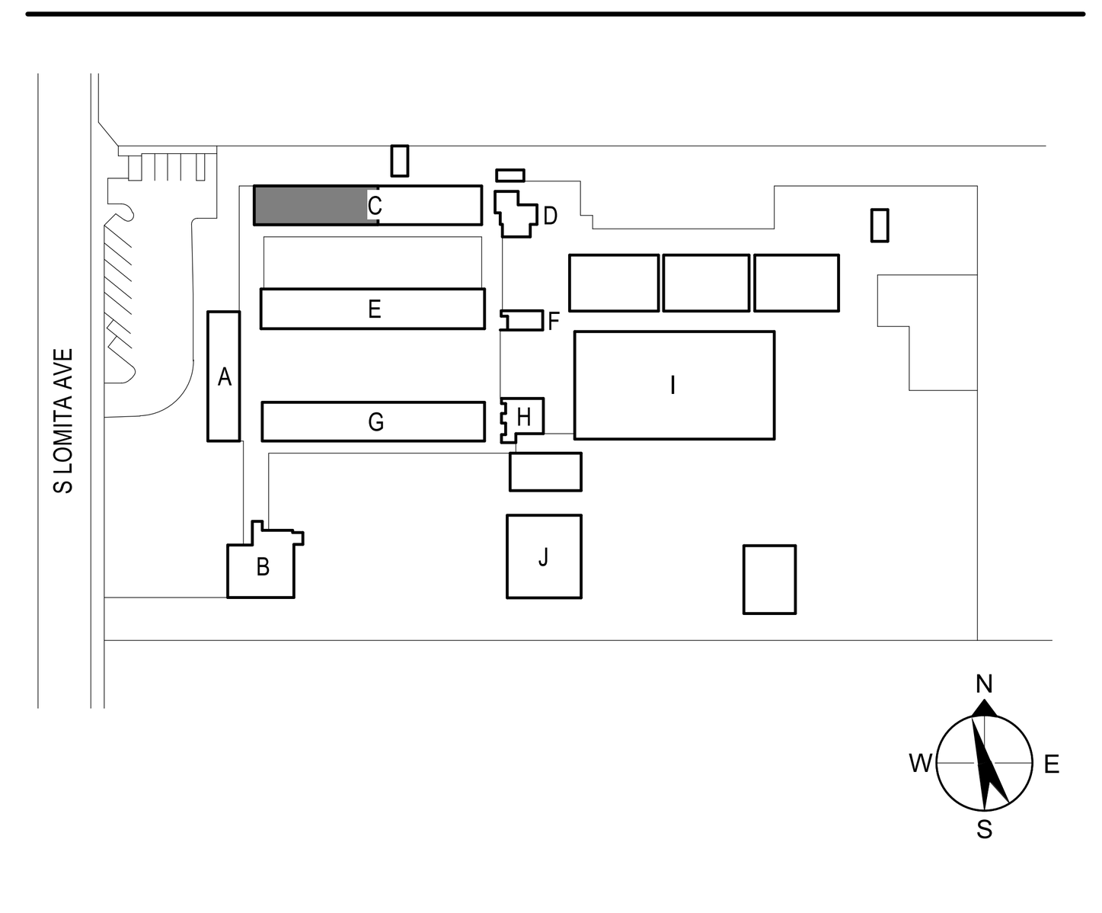
KEYNOTES

NO.	DESCRIPTION
02.020	PROTECT IN PLACE (E) CANOPY
02.034	PROTECT IN PLACE (E) EXTERIOR PLASTER FINISH. REPAINT PER DISTRICT STANDARDS.
08.001	PROVIDE SLIDING DOOR PER DOOR SCHEDULE
08.002	PROVIDE WINDOW PER WINDOW SCHEDULE
08.003	PROVIDE DOOR PER DOOR SCHEDULE
09.005	PROVIDE EXTERIOR PLASTER SOFFIT FINISH, PAINT PER DISTRICT STANDARD
09.006	PROVIDE EXTERIOR PLASTER FINISH, PAINT PER DISTRICT STANDARDS
09.007	CONTROL JOINT, REFER TO DETAIL 12/A9.00
09.008	PROVIDE EXTERIOR PLASTER INFILL AT (E) OPENINGS. PAINT PER DISTRICT STANDARD
10.008	PROVIDE SIGNAGE PER PLAN

LEGEND

PROVIDE EXTERIOR PLASTER, PAINT PER DISTRICT STANDARD

KEY PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

onyx | creative
2300 Knoll Drive, Suite A
Ventura, CA 93003
805.644.8180

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

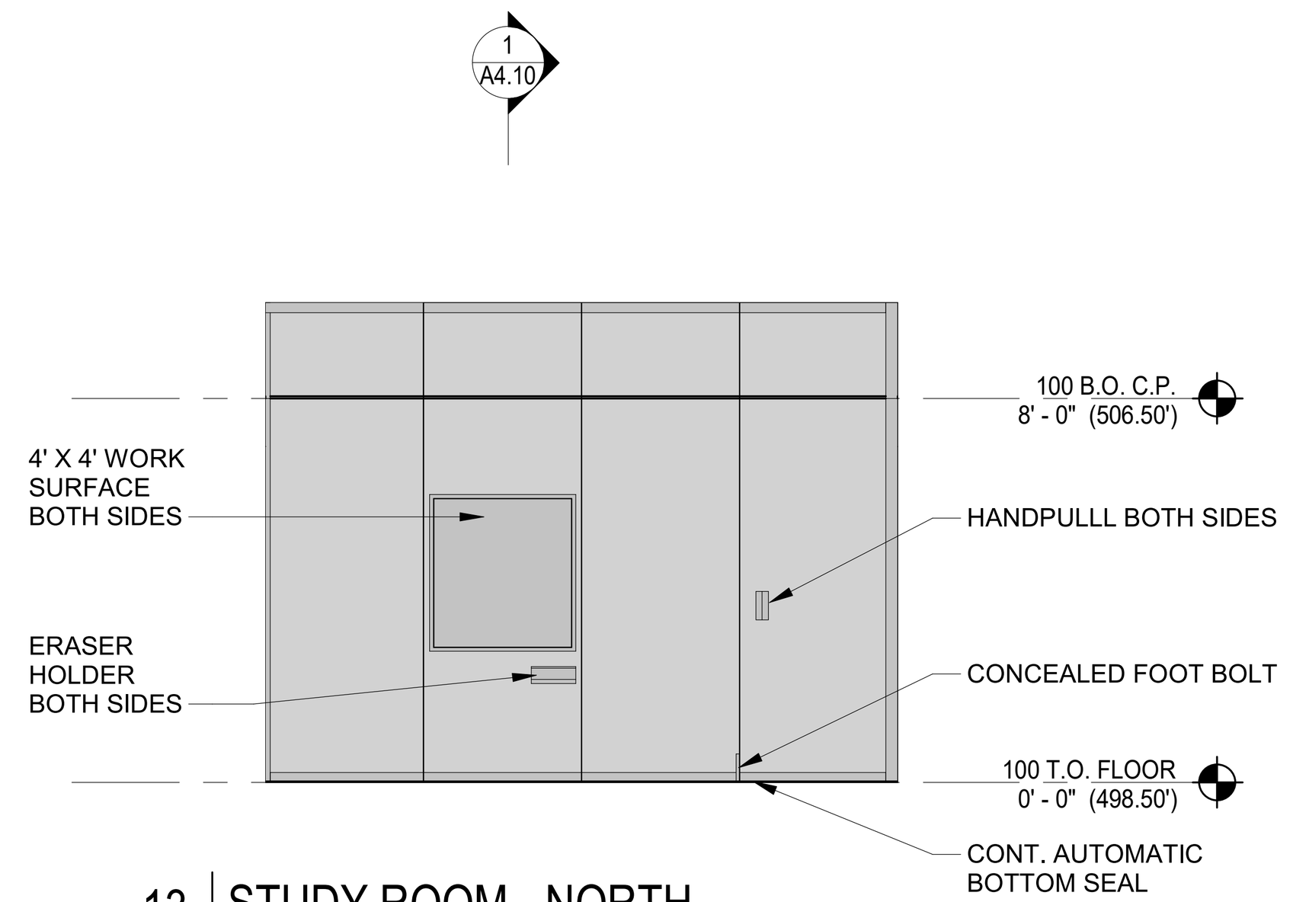
400 S LOMITA AVE,
OJAI, CA 93023

Drawn By: Author
Project No.: 18637

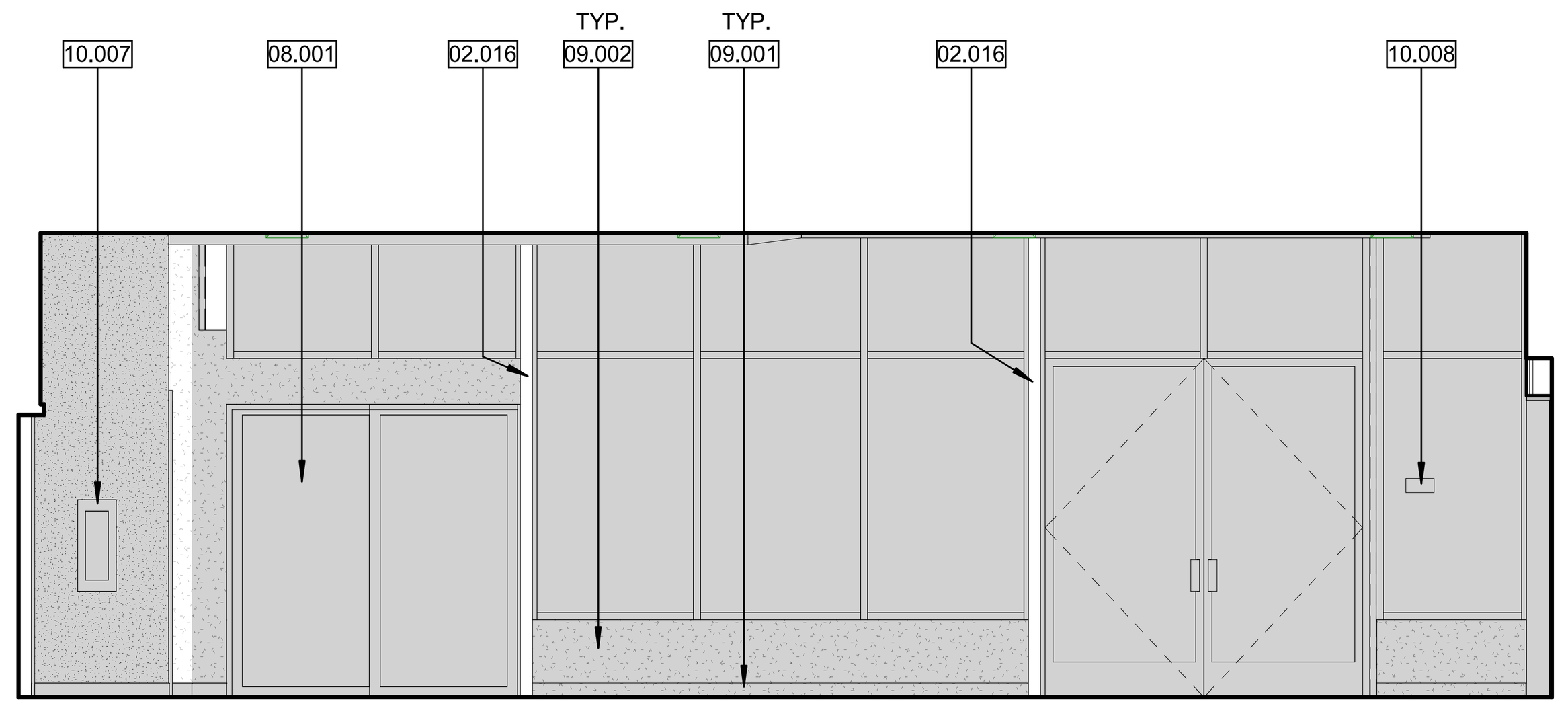
No.	Date	Issue
	8/2/2022	DSA Submittal 2

A3.10

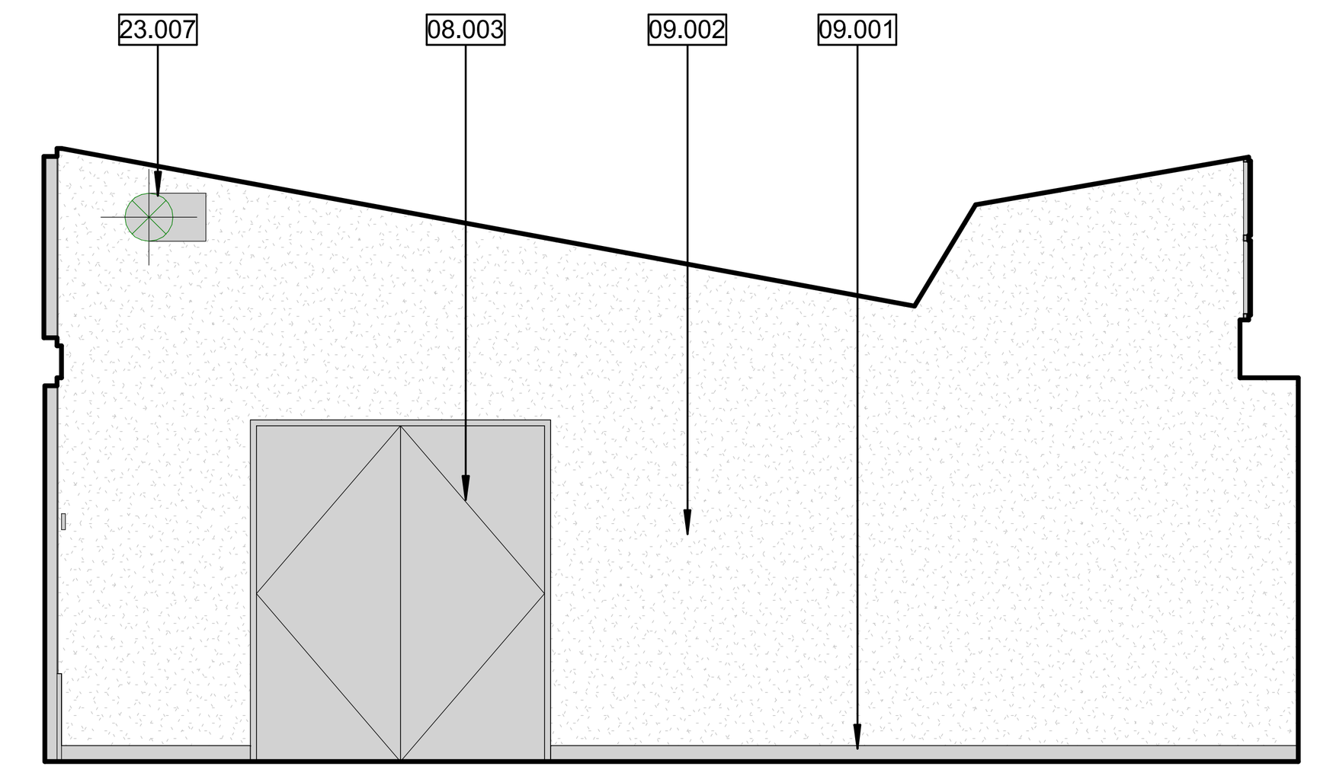
ELEVATIONS



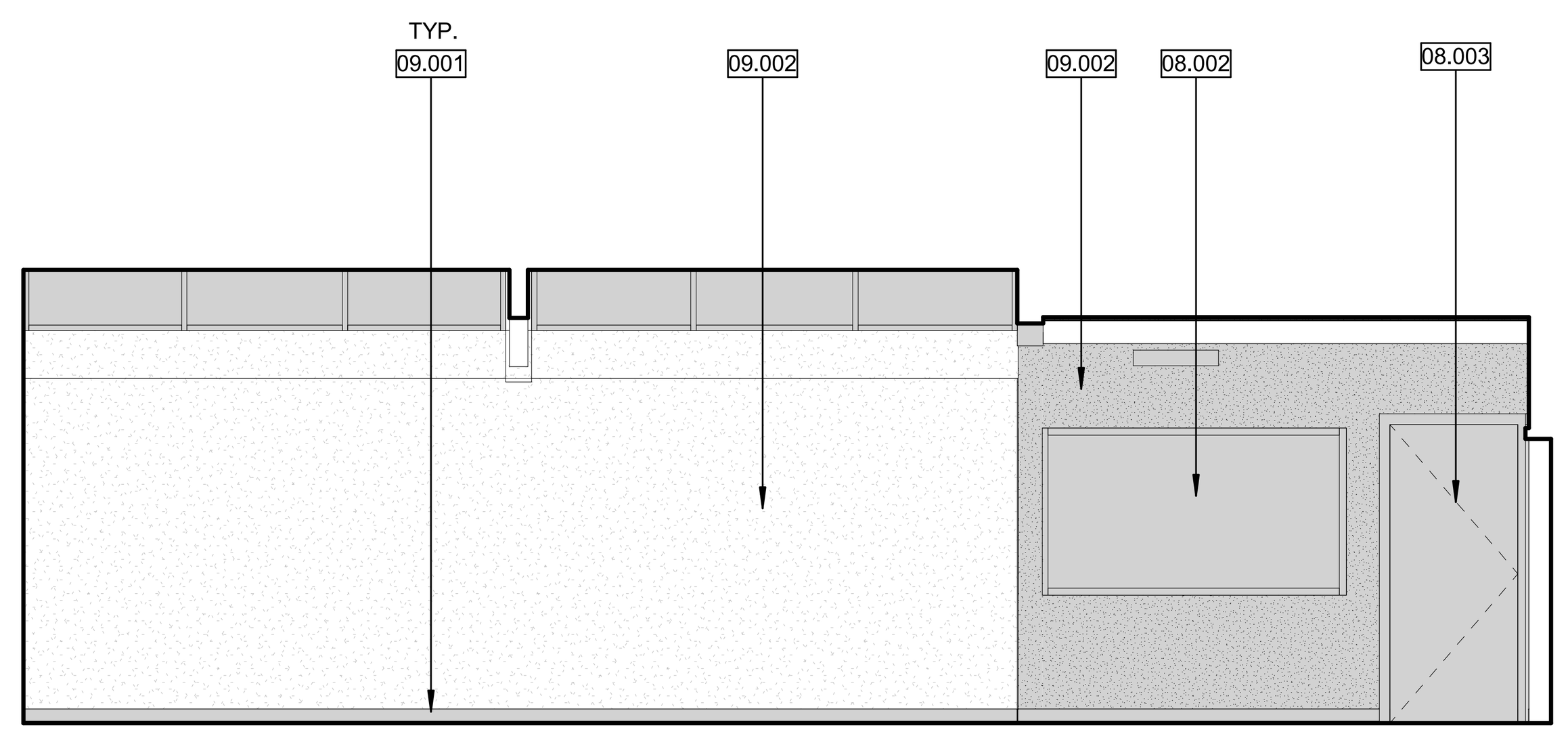
13 STUDY ROOM - NORTH
1/4" = 1'-0"



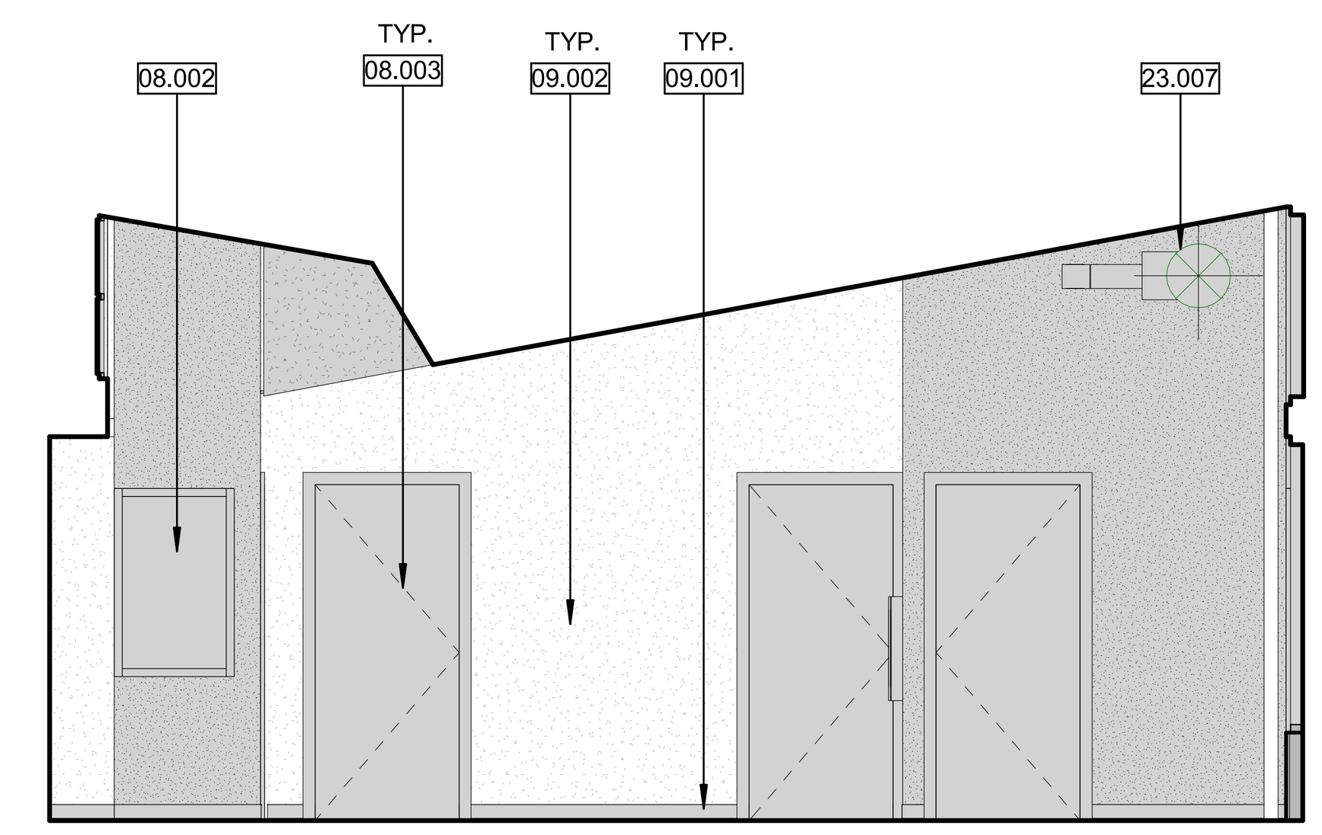
1 LIBRARY - NORTH
1/4" = 1'-0"



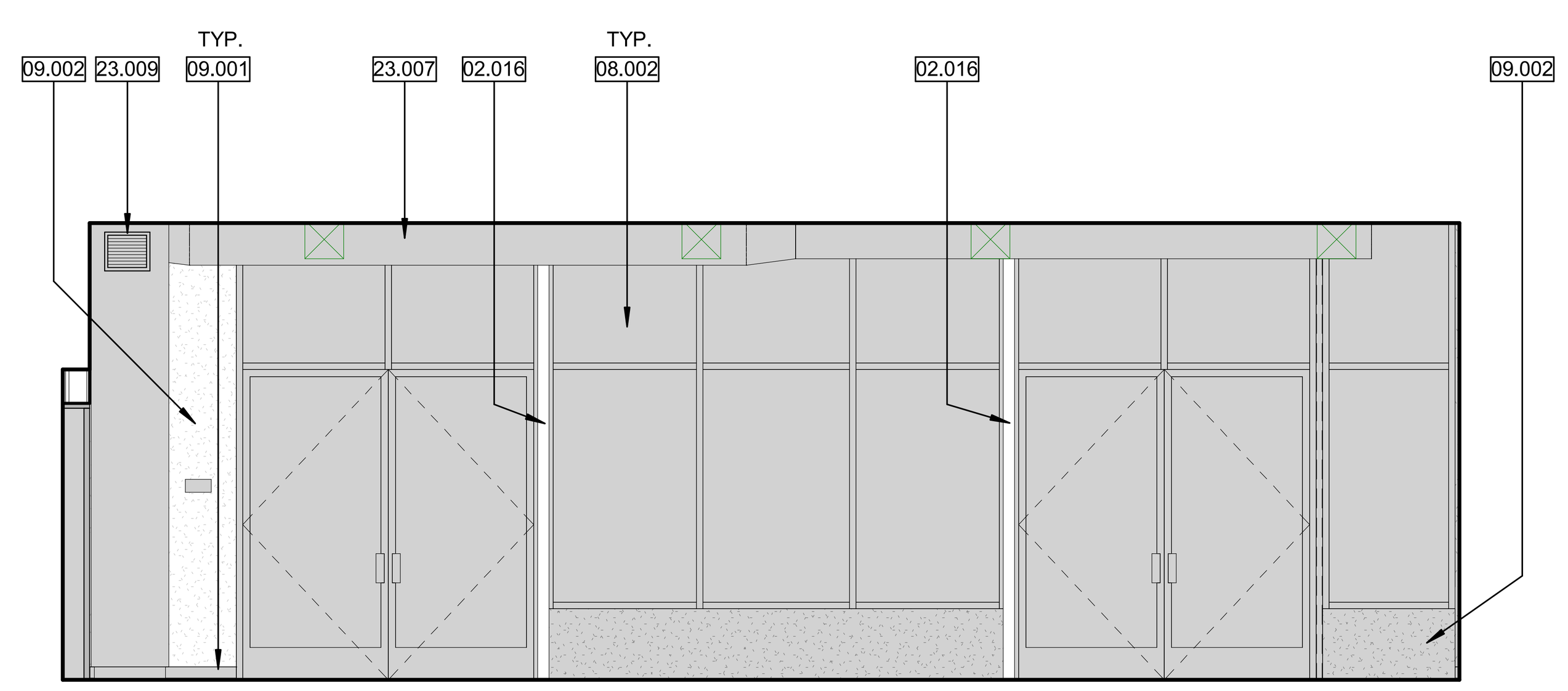
2 LIBRARY - EAST
1/4" = 1'-0"



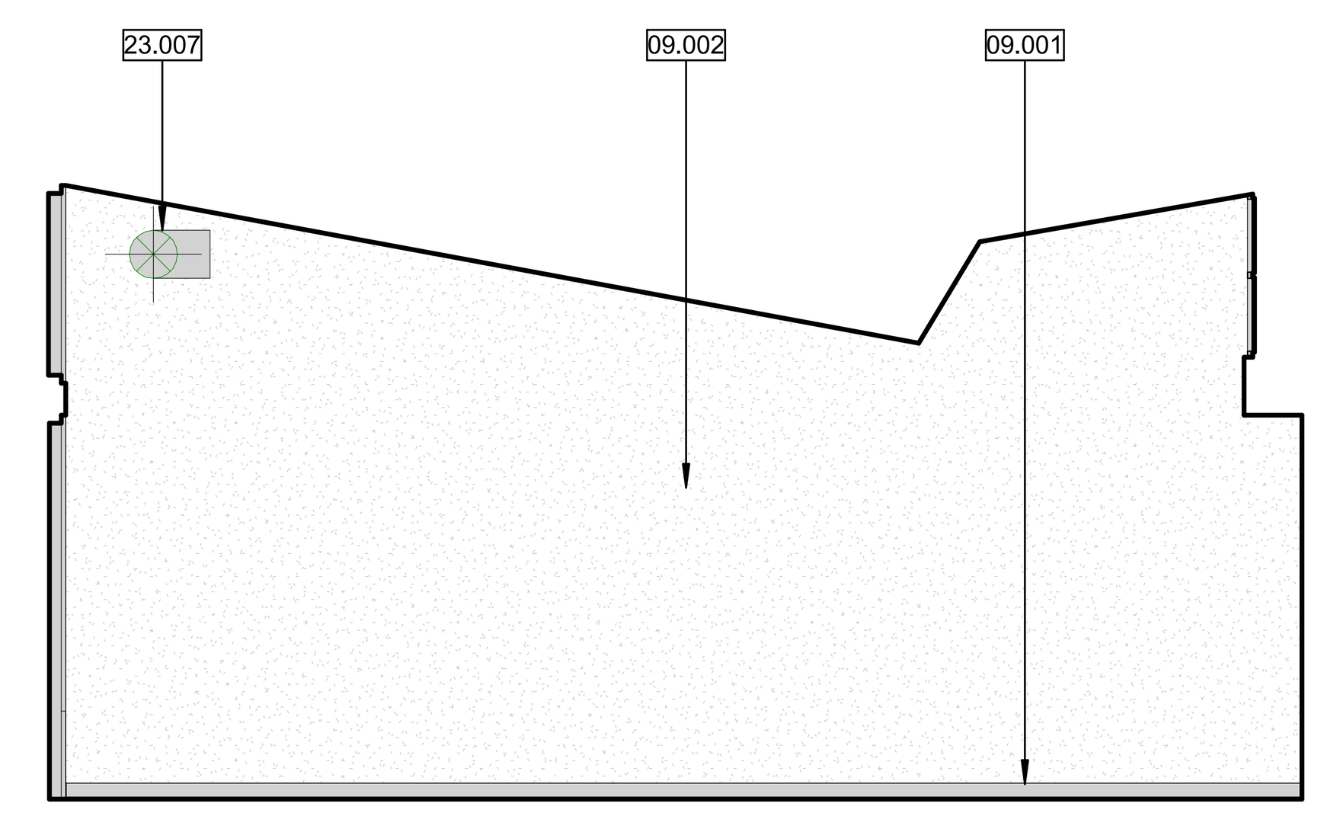
3 LIBRARY - SOUTH
1/4" = 1'-0"



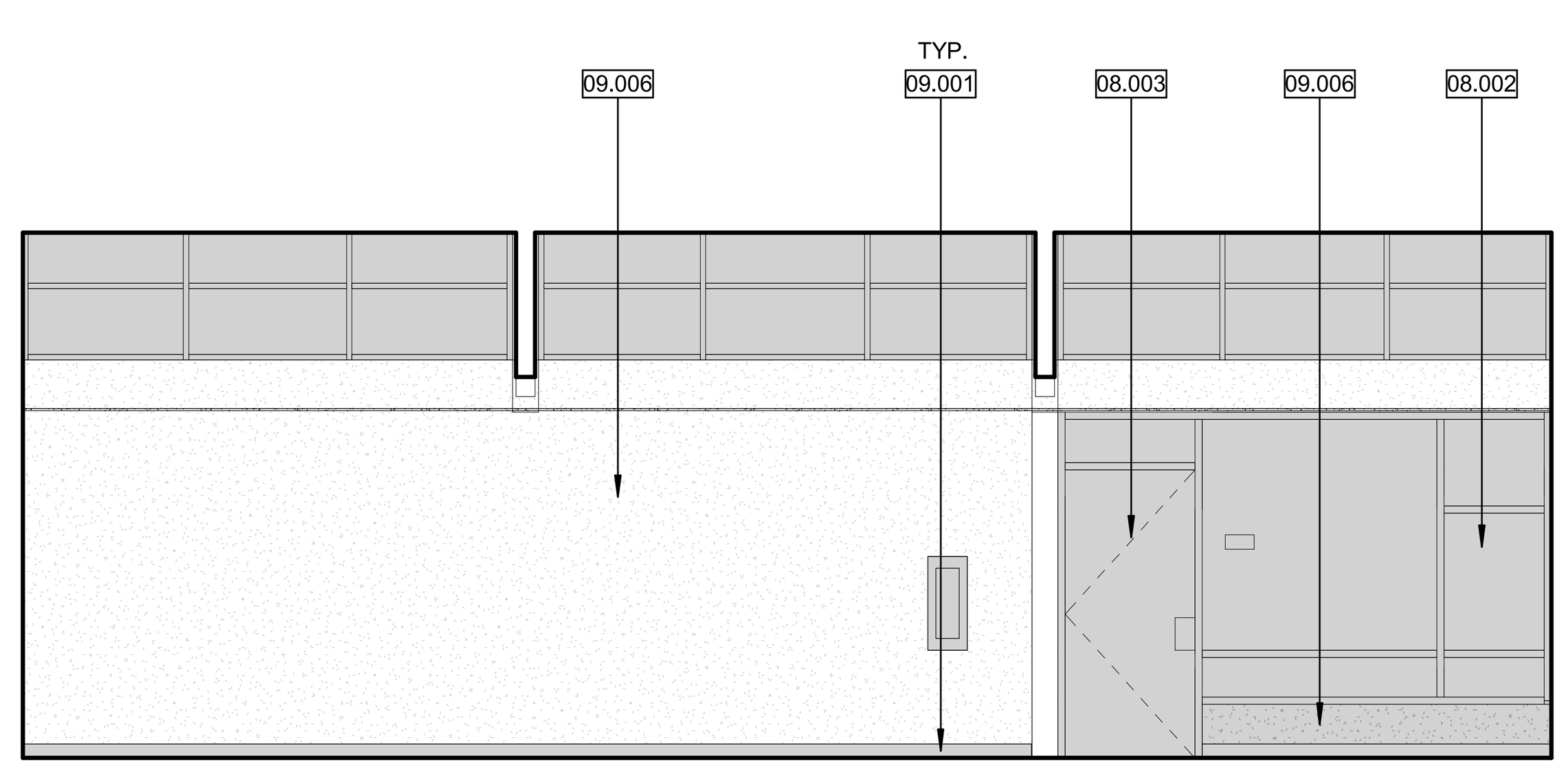
4 LIBRARY - WEST
1/4" = 1'-0"



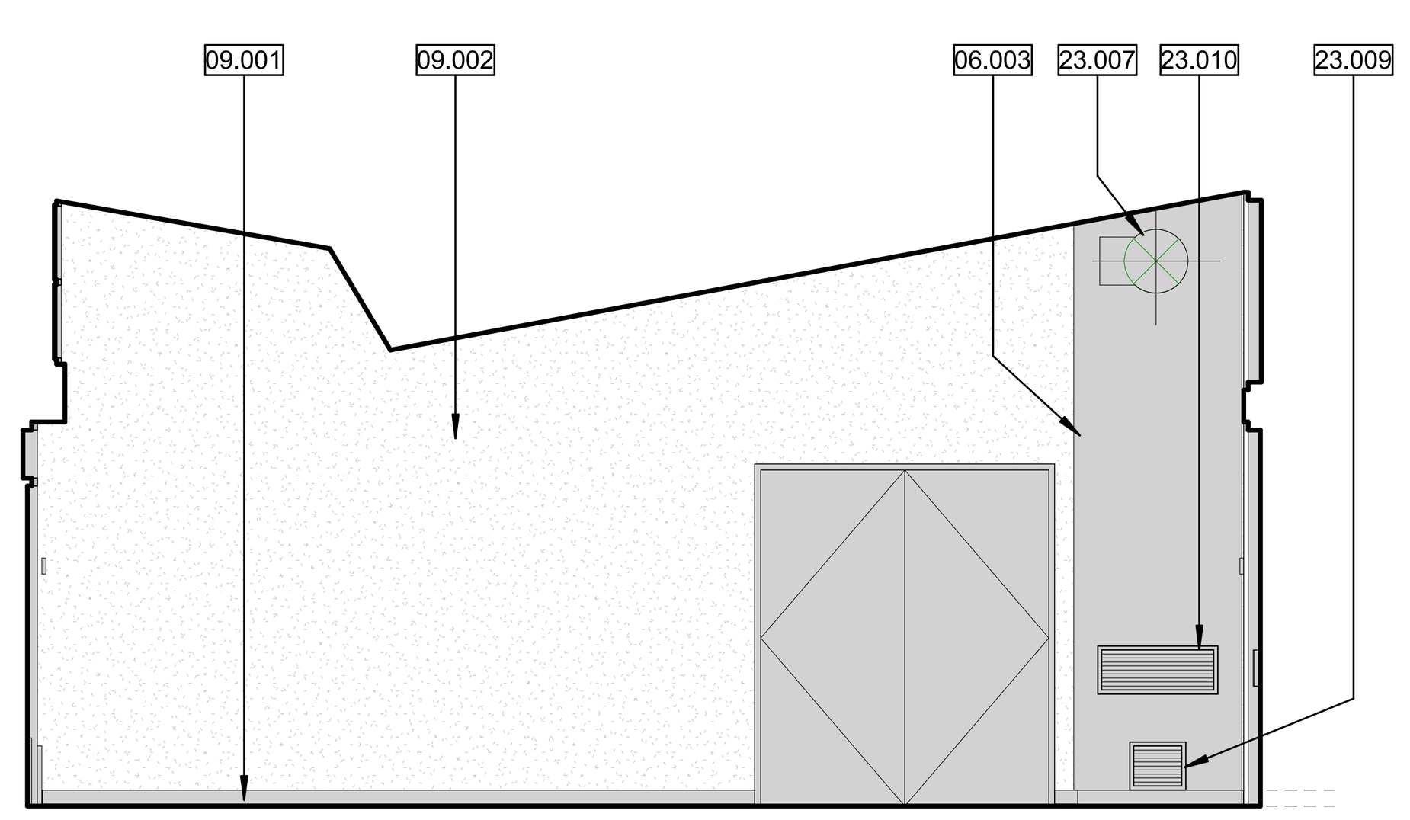
5 OPEN AREA - NORTH
1/4" = 1'-0"



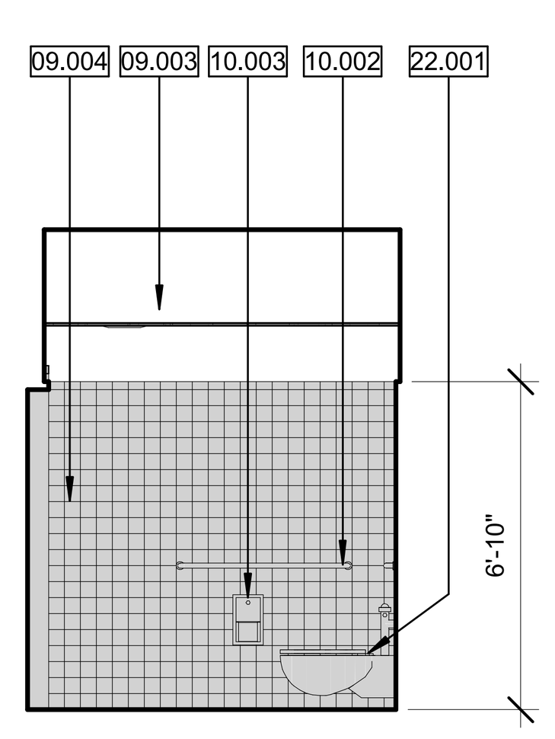
6 OPEN AREA - EAST
1/4" = 1'-0"



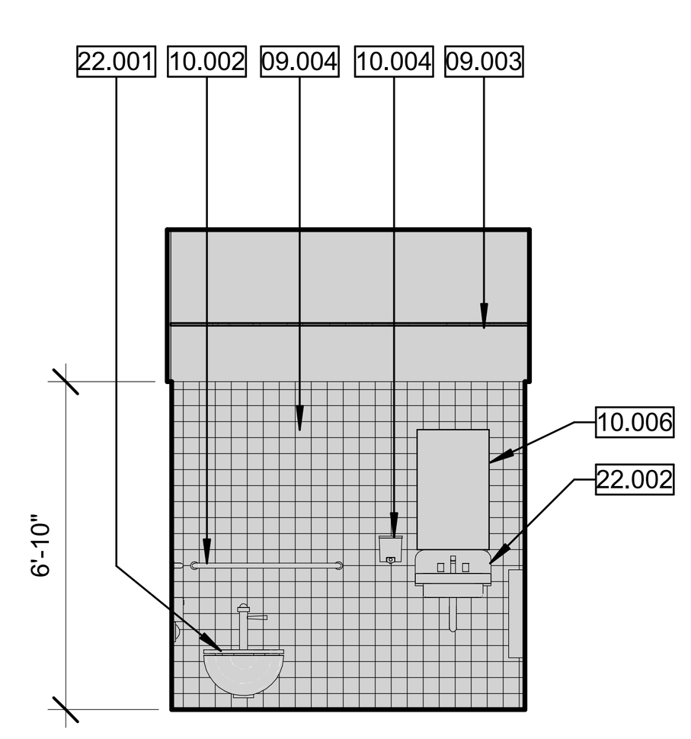
7 OPEN AREA - SOUTH
1/4" = 1'-0"



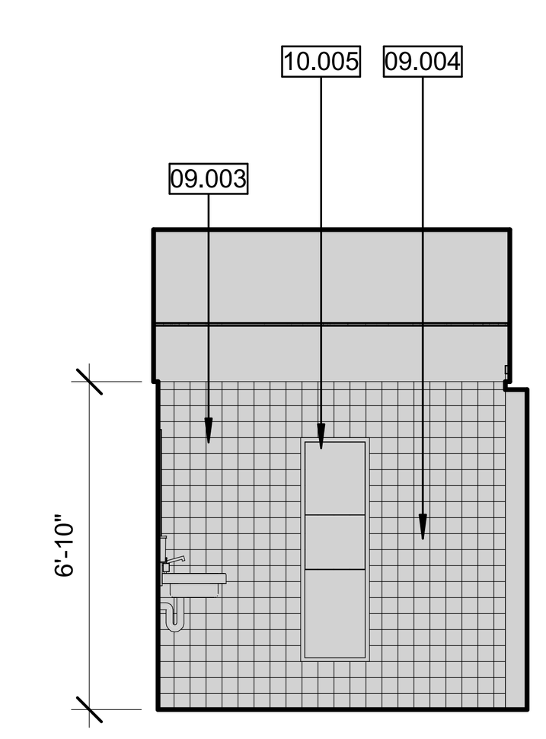
8 OPEN AREA - WEST
1/4" = 1'-0"



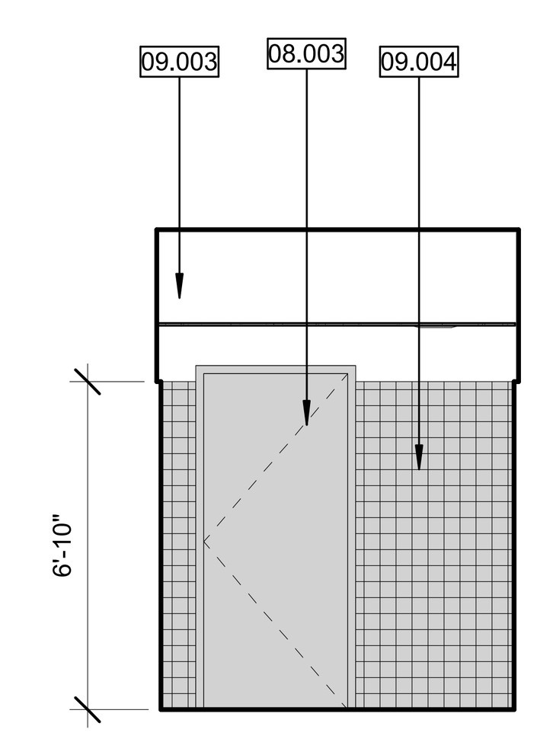
9 RESTROOM - NORTH
1/4" = 1'-0"



10 RESTROOM - EAST
1/4" = 1'-0"



11 RESTROOM - SOUTH
1/4" = 1'-0"



12 RESTROOM - WEST
1/4" = 1'-0"

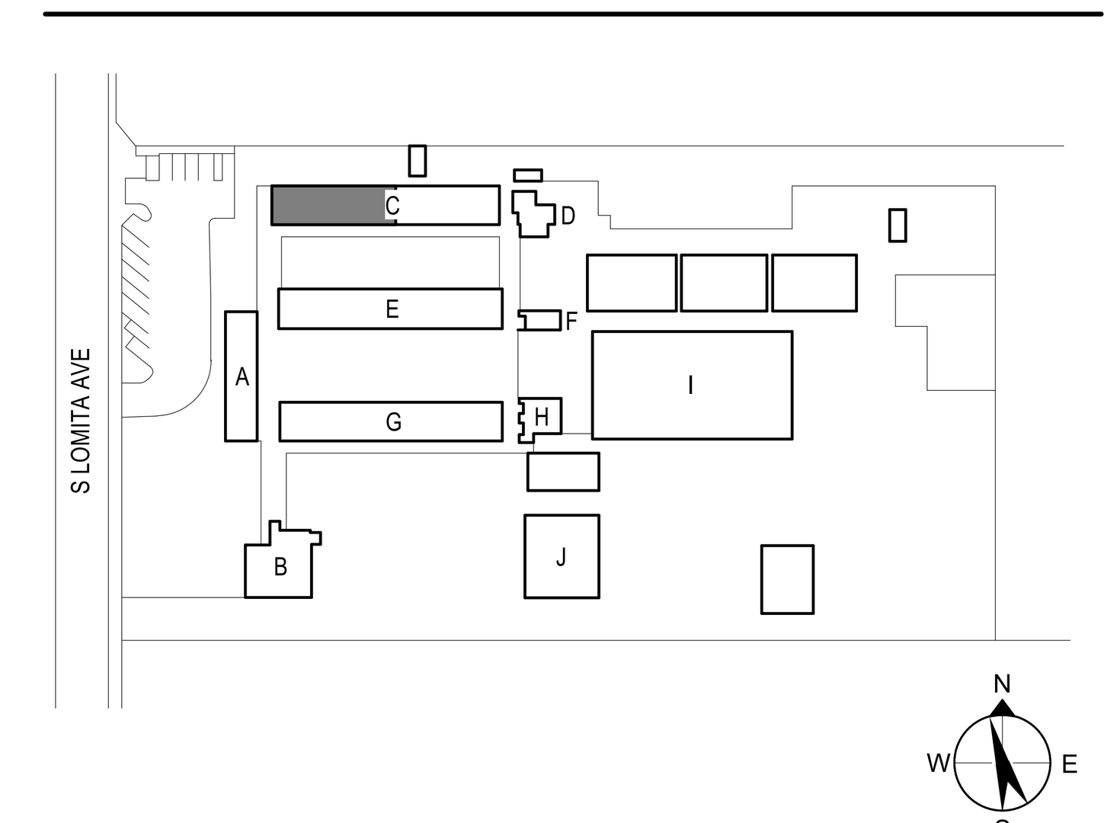
INTERIOR ELEVATIONS GENERAL NOTES

1. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.
2. SEE INTERIOR FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
3. PAINT ALL EXPOSED STEEL, PIPE, CONDUIT, AND DUCTWORK.
4. REFER TO CASEWORK DETAILS FOR MORE INFORMATION.
5. REFER TO G4.20 FOR ACCESSIBLE MOUNTING HEIGHTS.

KEYNOTES

NO.	DESCRIPTION
02.016	PROTECT IN PLACE (E) COLUMN
06.003	PROVIDE MECHANICAL CLOSET, BACKING PER STRUCTURAL.
08.001	PROVIDE SLIDING DOOR PER DOOR SCHEDULE
08.002	PROVIDE WINDOW PER WINDOW SCHEDULE
08.003	PROVIDE DOOR PER DOOR SCHEDULE
09.001	PROVIDE 4" RUBBER WALL BASE PER DISTRICT STANDARDS
09.002	PROVIDE GYPSUM BOARD FINISH, PAINT PER FINISH SCHEDULE
09.003	PROVIDE GLASS MAT GYPSUM WALL BOARD FINISH, PAINT PER FINISH SCHEDULE
09.004	PROVIDE PORCELAIN WALL TILE FINISH PER DISTRICT STANDARD
09.006	PROVIDE EXTERIOR PLASTER FINISH, PAINT PER DISTRICT STANDARDS
10.002	PROVIDE ACCESSIBLE GRAB BAR, REFER TO ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION
10.003	PROVIDE TOILET PAPER DISPENSER PER DISTRICT STANDARD, REFER TO ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION
10.004	PROVIDE SOAP DISPENSER PER DISTRICT STANDARD, REFER TO ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION
10.005	PROVIDE ACCESSIBLE PAPER TOWEL DISPENSER PER DISTRICT STANDARD, REFER TO ACCESSIBILITY DETAILS FOR ADDITIONAL INFORMATION
10.006	PROVIDE MIRROR PER DISTRICT STANDARDS. REFER TO ACCESSIBLITY DETAILS FOR ADDITIONAL INFORMATION.
10.007	PROVIDE SEMI-RECESSED FIRE EXTINGUISHER CABINET. REFER TO DETAIL 11/A9.00 FOR ADDITIONAL INFORMATION
10.008	PROVIDE SIGNAGE PER PLAN
22.001	PROVIDE ACCESSIBLE TOILET, REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
22.002	PROVIDE ACCESSIBLE LAVATORY, REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION
23.007	MECHANICAL DUCT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
23.009	NEW 12"X10" GRILLE
23.010	EXTEND VENT FROM EXISTING FORCED AIR UNIT AND RE-ATTACH GRILLE ONTO NEW MECHANICAL CABINET

KEY PLAN



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LICENSED ARCHITECT
JAMES E. ARMSTRONG
REN. MAY 31, 2023
STATE OF CALIFORNIA

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

400 S LOMITA AVE,
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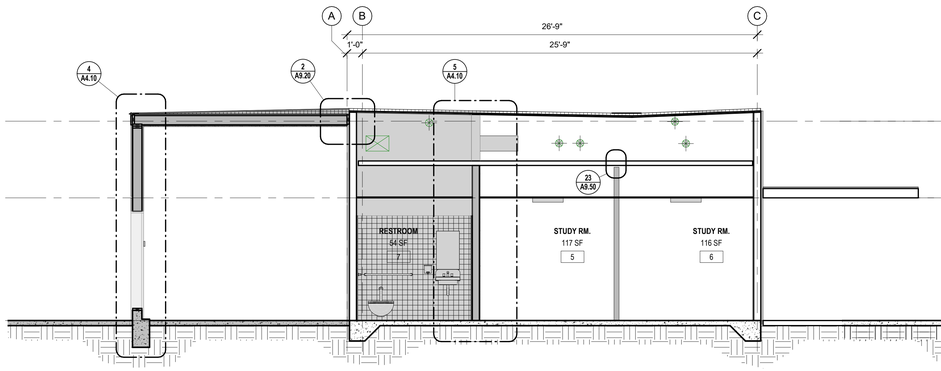
Drawn By: Author
Project No.: 18637

No.	Date	Issue
	8/2/2022	DSA Submittal 2

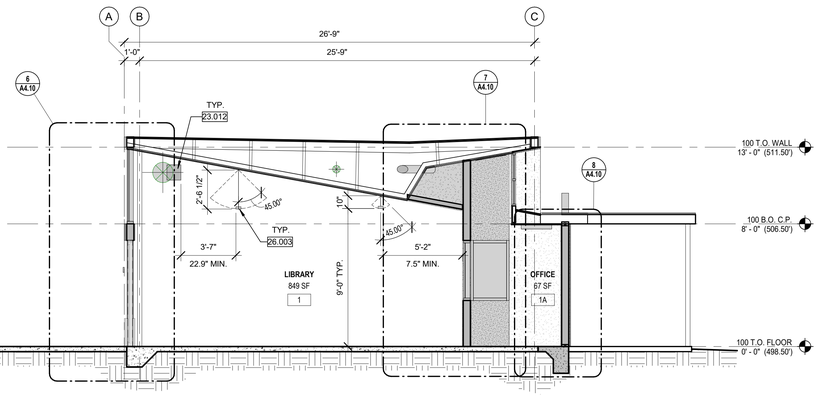
A3.11

INTERIOR ELEVATIONS



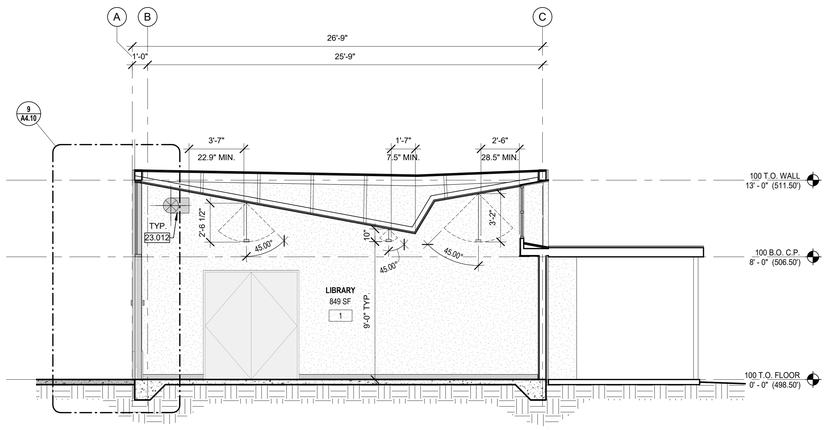
1 CANOPY SECTION

1/4" = 1'-0"



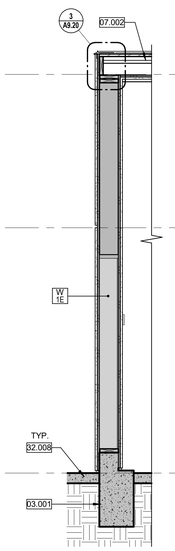
2 OFFICE SECTION

1/4" = 1'-0"



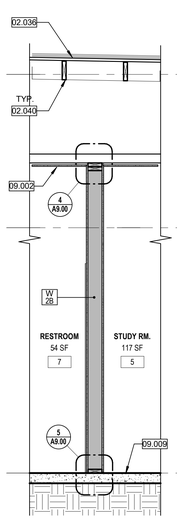
3 AWNING SECTION

1/4" = 1'-0"



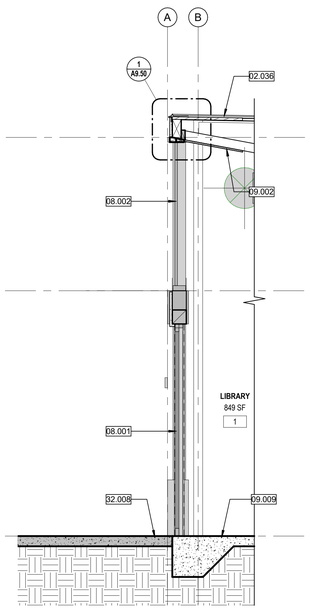
4 WALL SECTION 1

1/2" = 1'-0"



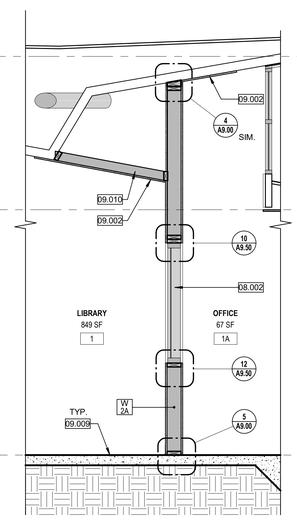
5 WALL SECTION 2

1/2" = 1'-0"



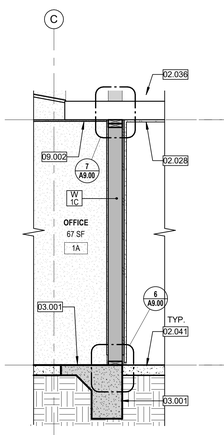
6 WALL SECTION 3

1/2" = 1'-0"



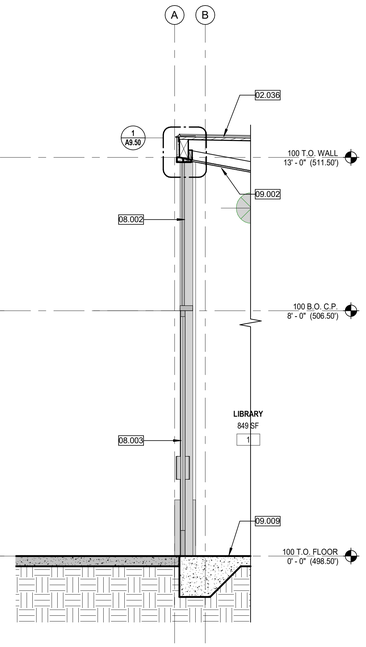
7 WALL SECTION 4

1/2" = 1'-0"



8 WALL SECTION 5

1/2" = 1'-0"



9 WALL SECTION 6

1/2" = 1'-0"

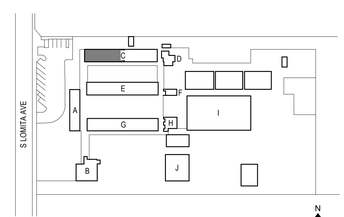
SECTIONS GENERAL NOTES

1. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. REFER TO MECHANICAL DRAWINGS FOR DUCT SIZES AND GENERAL LAYOUT.
4. REFER TO CIVIL DRAWINGS FOR GRADING AND ADDITIONAL INFORMATION REGARDING FLATWORK.
5. REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION REGARDING FLATWORK AND OTHER SITE COMPONENTS.

KEYNOTES

NO.	DESCRIPTION
02.028	PROTECT IN PLACE (E) PLASTER SOFFIT
02.036	PROTECT IN PLACE (E) ROOFING
02.040	PROTECT IN PLACE (E) ROOF FRAMING
02.041	PROTECT IN PLACE (E) CONCRETE WALKWAY
03.001	CONCRETE FOOTING, REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
07.002	ROOF ASSEMBLY, REFER TO 1/A9.20 FOR ADDITIONAL INFORMATION
08.001	PROVIDE SLIDING DOOR PER DOOR SCHEDULE
08.002	PROVIDE WINDOW PER WINDOW SCHEDULE
08.003	PROVIDE DOOR PER DOOR SCHEDULE
09.002	PROVIDE GYPSUM BOARD FINISH, PAINT PER FINISH SCHEDULE
09.009	PROVIDE FLOOR FINISH OVER (E) SLAB ON GRADE. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION
09.010	PROVIDE FRAMED CEILING, REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION
23.012	BRACED MECHANICAL DUCT, REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION
26.003	PROVIDE LINEAR LED LIGHT FIXTURE, PENDANT TYPE, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
32.008	CONCRETE WALKWAY, REFER TO CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION

KEY PLAN



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DATE: 11/09/2022

onyx | creative
2300 Knoll Drive, Suite A
Ventura, CA 93003
805.644.8189

LICENSED ARCHITECT
JAMES E. ARMSTRONG
No. 32,008
EXP. MAY. 31, 2024
STATE OF CALIFORNIA

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

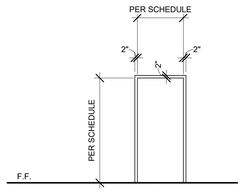
400 S LOMITA AVE,
OJAI, CA 93023

Drawn By:	Author
Project No.:	18637

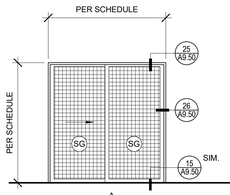
No.	Date	Issue
	8/2/2022	DSA Submittal 2

A4.10

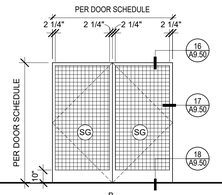
SECTIONS & WALL SECTIONS



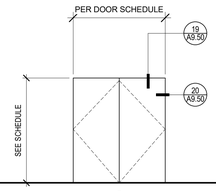
1
HOLLOW METAL



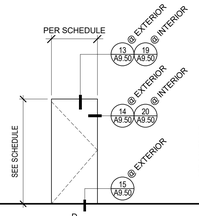
A
AUTOMATIC
SLIDING GLASS
DOOR



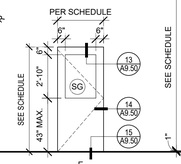
B
STOREFRONT
DOUBLE DOOR



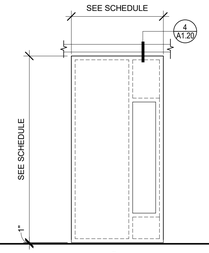
C
FLUSH
DOUBLE DOOR



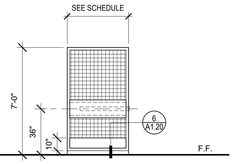
D
FLUSH DOOR



E
FLUSH DOOR
WITH LITE



F
SITE
HANGING
GATE



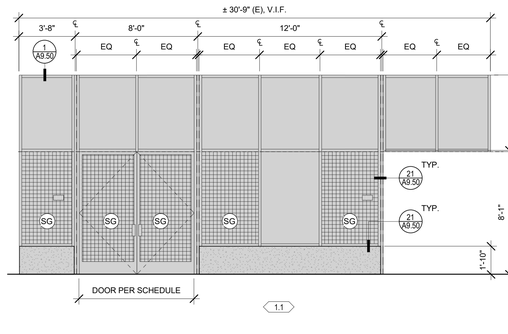
G
SITE SWING
GATE

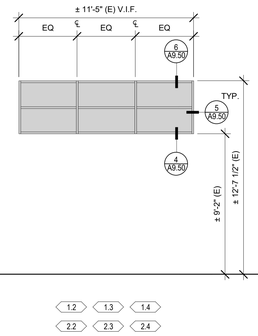
FRAME TYPES

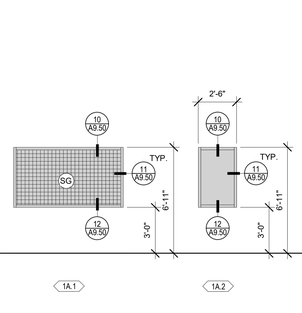
DOOR TYPES

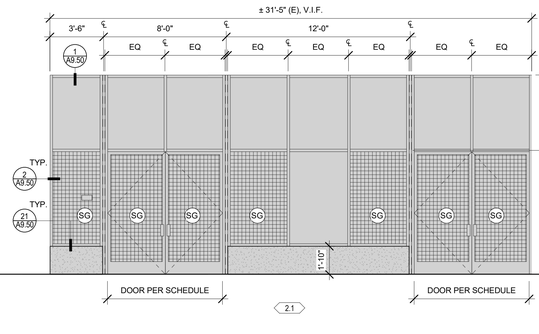
DOOR SCHEDULE

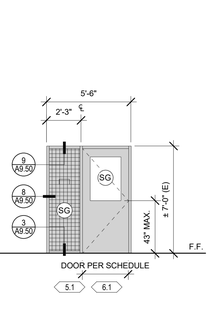
NUMBER	TYPE	SIZE WIDTH	SIZE HEIGHT	DOOR PANEL MAT.	DOOR PANEL FINISH	DOOR FRAME FRAME TYPE	DOOR FRAME MAT.	DOOR FRAME FINISH	HARDWARE GROUP	RATING	REMARKS
1.1	A	6' - 9"	6' - 11"	AL	FA	BY MANUF.	AL	FA	04		1, 3
1.2	B	7' - 6"	8' - 0"	AL	FA	BY MANUF.	AL	FA	09		1, 3
1.3	C	6' - 0"	7' - 0"	WD	PT	1	HM	PT	11		
1A.1	D	3' - 0"	7' - 0"	WD	PT	1	HM	PT	02		
2.1	B	7' - 6"	8' - 0"	AL	FA	BY MANUF.	AL	FA	09		3
2.2	B	7' - 6"	8' - 0"	AL	FA	BY MANUF.	AL	FA	09		
2.3	E	3' - 0"	6' - 8"	HM	PT	BY MANUF.	AL	FA	13		3
5.1	E	3' - 0"	6' - 10"	HM	PT	BY MANUF.	AL	FA	06		1, 3
5.2	D	3' - 0"	7' - 0"	WD	PT	1	HM	PT	05		1
6.1	E	3' - 0"	6' - 10"	HM	PT	BY MANUF.	AL	FA	07		1, 3
6.2	D	3' - 0"	7' - 0"	WD	PT	1	HM	PT	05		1
7.1	D	3' - 0"	7' - 0"	HM	PT	1	HM	PT	03		
8.1	D	3' - 0"	7' - 0"	WD	PT	1	HM	PT	01		
9.1	D	3' - 0"	7' - 0"	HM	PT	1	HM	PT	12		
G.1	F	6' - 0"	12' - 2"	STL	PC	-	-	-	10		
G.2	G	4' - 0"	7' - 0"	STL	PC	-	-	-	08		2

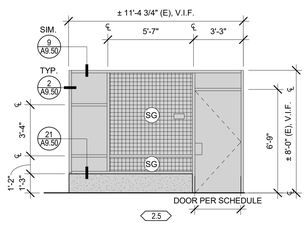












WINDOW SCHEDULE

FINISH SCHEDULE

NUMBER	NAME	FLOOR MAT.	FLOOR FINISH	BASE MAT.	BASE FINISH	NORTH WALL MAT.	NORTH WALL FINISH	EAST WALL MAT.	EAST WALL FINISH	SOUTH WALL MAT.	SOUTH WALL FINISH	WEST WALL MAT.	WEST WALL FINISH	CEILING MAT.	CEILING FINISH	REMARKS
1	LIBRARY	LVT	FA	RB	FA	GB	PT	GB	PT	GB	PT	GB	PT	GB	PT	
1A	OFFICE	LVT	FA	RB	FA	GB	PT	GB	PT	GB	PT	GB	PT	GB	PT	
2	OPEN AREA	LVT	FA	RB	FA	GB	PT	GB	PT	GB	PT	GB / AWT	PT / FA	GB	PT	
5	STUDY RM.	LVT	FA	RB	FA	GB	PT	GB	PT	-	-	GB	PT	GB	PT	
6	STUDY RM.	LVT	FA	RB	FA	-	-	GB	PT	GB	PT	GB	PT	GB	PT	
7	RESTROOM	CT	FA	CT	FA	CT / GB	FA / PT	CT / GB	FA / PT	CT / FA	FA / PT	CT / GB	FA / PT	GB	PT	
8	STORAGE / IT	LVT	FA	RB	FA	GB	PT	GB	PT	GB	PT	GB	PT	GB	PT	

GENERAL DOOR NOTES

1. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.
2. CONTRACTOR IS RESPONSIBLE FOR THE PROPER INSTALLATION AND OPERATION OF SCHEDULED DOORS AND HARDWARE COMPLIANT WITH REQUIREMENTS OF THE ADA, BUILDING CODE, FIRE CODE, AND LOCAL MUNICIPAL CODE.
3. COORDINATE THE INSTALLATION OF HARDWARE WITH THE PROPER SIDE OF DOOR. SEE PLANS FOR INDIVIDUAL DOOR SWING DIRECTION AND RELATION IN FRAME.
4. PROVIDE MANEUVERING CLEARANCES AT DOORS AS PRESCRIBED BY PREVAILING FEDERAL, STATE, OR LOCAL CODE/REGULATION.
5. ALL HOLLOW METAL DOORS AND FRAMES PRIMED AND FINISH PAINTED UPON DELIVERY OR PRIMED AND FIELD PAINTED, UNLESS NOTED OTHERWISE.
6. PROVIDE RUBBER DOOR SILENCERS (3 PER JAMB) WHERE LIGHT / SOUND GASKETS OR WEATHER-STRIPPING IS NOT OTHERWISE REQUIRED.
7. PROVIDE COMPLETE WEATHER STRIPPING AT ALL EXTERIOR DOORS.
8. ALL DOORS AND EXTERIOR GLAZING TO BE THERMAL INSULATING.
9. PROVIDE LABEL OR ETCHING ON SAFETY GLAZING WITHIN 18" OF DOOR AND AT OTHER REQUIRED LOCATIONS.
10. DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES SHALL BE INSTALLED 34 INCHES (864 MM) MINIMUM AND 48 INCHES (1219 MM) MAXIMUM ABOVE THE FINISHED FLOOR. LOCKS USED ONLY FOR SECURITY PURPOSES AND NOT USED FOR NORMAL OPERATION ARE PERMITTED AT ANY HEIGHT. PER CBC 1010.1.9.2
11. EGRESS DOORS SHALL BE READILY OPENABLE FROM EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT (CBC 1010.1.9). FORCE REQUIRED TO PUSH OR PULL AN EGRESS DOOR TO OPEN POSITION SHALL NOT EXCEED 5 POUNDS (CBC 1010.1.3).
12. SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES (254 MM) OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE.
13. SEE DOOR DETAILS FOR FURTHER INFORMATION ON TYPICAL CONDITIONS.

DOOR MATERIALS AND FINISHES LEGEND

SG	TEMPERED SAFETY GLAZING, CATEGORY I. SHALL COMPLY WITH CBC 2406 IMPACT TEST	HM	HOLLOW METAL
		STL	STEEL
		AL	ALUMINUM
SG	TEMPERED SAFETY GLAZING, CATEGORY II. SHALL COMPLY WITH CBC 2406 IMPACT TEST	FG	FIBER GLASS
		WD	WOOD
		FA	FACTORY FINISH
FG	FIRE RATED GLAZING	PT	PAINTED
		PC	POWDER COATED

DOOR SCHEDULE REMARKS

1. PROVIDE LOW VOLTAGE FOR FUTURE SECURITY UPGRADES.
2. REFER TO 5/A1.20 FOR GATE DETAILS.
3. THE DOOR SHALL HAVE A LOCK THAT ALLOW THE DOOR TO BE LOCKED FROM THE INSIDE PER CBC 1010.1.11. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT PER CBC 1010.1.9. REFER TO 6/G4.20 FOR ADDITIONAL INFORMATION.

GENERAL WINDOW NOTES

A. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.

B. CONTRACTOR TO VERIFY ROUGH OPENINGS WITH MANUFACTURER.

C. ALL EXTERIOR GLAZING SHALL BE THERMAL INSULATING PER TITLE 24 ENERGY COMPLIANCE.

D. LABEL FIRE PROTECTION RATED GLAZING ASSEMBLIES IN ACCORDANCE WITH THE BUILDING CODE(S).

E. GLASS USED IN DOORS AND GLAZING LOCATED WITHIN A 24-INCH ARC OF THE NEAREST VERTICAL EDGE OF A DOOR AND UP TO 60-INCHES ABOVE FINISH FLOOR AND AREAS SUBJECT TO HUMAN IMPACT OR OTHER HAZARDOUS LOCATIONS SHALL HAVE APPROVED SAFETY GLAZING MATERIAL AS DEFINED BY THE AUTHORITIES HAVING JURISDICTION. REFERENCE WINDOW SCHEDULE AND DETAILS FOR LOCATION.

F. STOREFRONT MULLION FINSIH SHALL BE SELECTED FROM MANUFACTURER'S FULL RANGE OF COLORS BY ARCHITECT.

G. ALL GLAZING SHALL BE CLEAR, U.O.N.

H. SINGLE SOURCE ALL STOREFRONT ASSEMBLIES.

WINDOW LEGEND

SG	TEMPERED SAFETY GLAZING, CATEGORY I. SHALL COMPLY WITH CBC 2406 IMPACT TEST
SG	TEMPERED SAFETY GLAZING, CATEGORY II. SHALL COMPLY WITH CBC 2406 IMPACT TEST
FG	FIRE RATED GLAZING

GENERAL FINISH NOTES

1. SEE SHEET G1.00 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO INTERIOR ELEVATIONS ON SHEET A3.11 FOR ADDITIONAL INFORMATION.
3. ALL FINISHED ARE NEW U.O.N.
4. ALL FINISHES SHALL COMPLY WITH CBC AND TITLE 19 CCR.

FINISHES AND MATERIALS LEGEND

LVT	LUXURY VINYL TILE
CT	CERAMIC TILE
RB	RUBBER WALL BASE
GB	GYPSUM WALL BOARD
AWT	ACOUSTIC WALL TILE
FA	FACTORY FINISH
PT	PAINTED

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DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

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LICENSED ARCHITECT
JAMES E. ARMSTRONG
No. 30,000
STATE OF CALIFORNIA

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

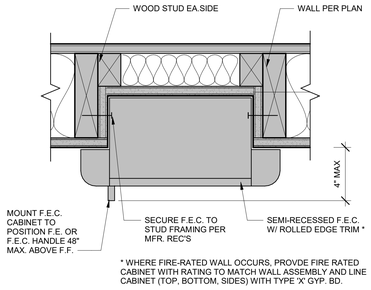
400 S LOMITA AVE,
OJAI, CA 93023

Drawn By: Author
Project No.: 18637

No.	Date	Issue
	8/2/2022	DSA Submittal 2

A7.10

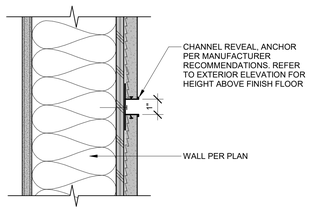
SCHEDULE DOORS, WINDOWS, FINISHES



* WHERE FIRE-RATED WALL OCCURS, PROVDE FIRE RATED CABINET WITH RATING TO MATCH WALL ASSEMBLY AND LINE CABINET (TOP, BOTTOM, SIDES) WITH TYPE 'X' GYP. BD.

11 F.E.C. AT WOOD STUD WALL

3" = 1'-0"



12 STUCCO CONTROL JOINT

3" = 1'-0"

13 TYPICAL GYPSUM BOARD CEILING ASSEMBLY

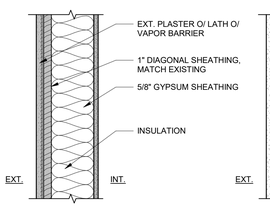
1 1/2" = 1'-0"

14 TYPICAL EXT. PLASTER SOFFIT ASSEMBLY

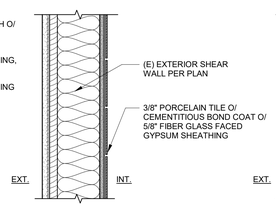
1 1/2" = 1'-0"

15 LATH ANCHORAGE

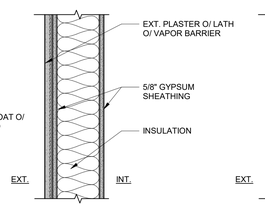
6" = 1'-0"



SECTION W 1A



SECTION W 1B



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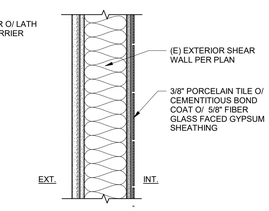

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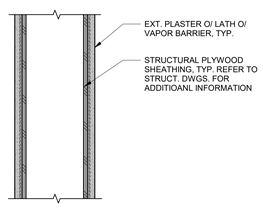


SECTION W 1A

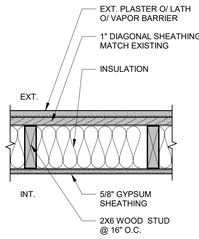
W 1A EXTERIOR WALL W/ 6" WOOD STUDS W/ 5/8" GYPSUM SHEATHING ON INTERIOR SIDE AND EXTERIOR PLASTER O/ LATH. O/ 1" DIAGONAL SHEATHING ON EXTERIOR SIDE. INSULATION BETWEEN STUDS.

W 1B (E) EXTERIOR SHEAR WALL W/ 3/8" PORCELAIN TILE O/ CEMENTITIOUS BOND COAT O/ 5/8" FIBER GLASS FACED GYPSUM SHEATHING ON INTERIOR SIDE. INSULATION BETWEEN STUDS.

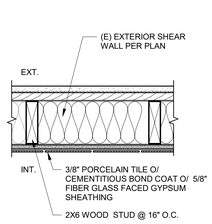
W 1C EXTERIOR WALL W/ 6" WOOD STUDS W/ 5/8" GYPSUM SHEATHING ON INTERIOR SIDE AND EXTERIOR PLASTER O/ LATH. O/ 5/8" GYPSUM SHEATHING ON EXTERIOR SIDE. INSULATION BETWEEN STUDS.

W 1D (E) EXTERIOR SHEAR WALL W/ 3/8" PORCELAIN TILE O/ CEMENTITIOUS BOND COAT O/ 5/8" FIBER GLASS FACED GYPSUM SHEATHING GG ON INTERIOR SIDE. INSULATION BETWEEN STUDS.

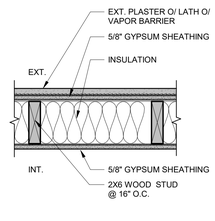
W 1E EXTERIOR CANOPY WALL W/ 8" WOOD STUDS W/ EXTERIOR PLASTER O/ LATH. O/ STRUCTURAL PLYWOOD SHEATHING ON BOTH SIDES.



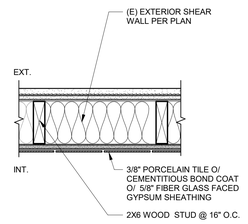
PLAN W 1A



PLAN W 1B



PLAN W 1C



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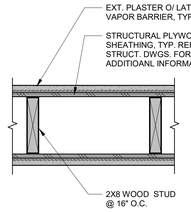


PLAN W 1E

1 EXTERIOR WALL ASSEMBLIES

1 1/2" = 1'-0"

7 TOP OF EXTERIOR WALL

3" = 1'-0"

4 TYPICAL TOP OF WALL

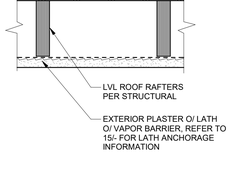
3" = 1'-0"

SECTION W 2A

SECTION W 2B

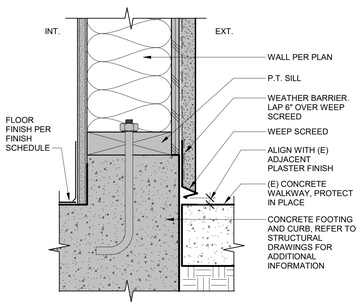
W 2A INTERIOR WALL W/ 4" WOOD STUDS W/ 5/8" GYPSUM BOARD BOTH SIDES. INSULATION BETWEEN STUDS.

W 2B INTERIOR WALL W/ 4" WOOD STUDS W/ 3/8" PORCELAIN TILE O/ CEMENTITIOUS BOND COAT O/ 5/8" FIBER GLASS FACED GYPSUM BOARD BOTH SIDES.



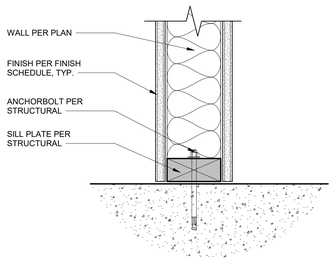
14 TYPICAL EXT. PLASTER SOFFIT ASSEMBLY

1 1/2" = 1'-0"



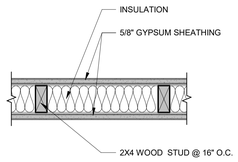
6 BASE OF EXTERIOR WALL

3" = 1'-0"

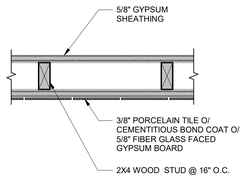


5 TYPICAL BOTTOM OF WALL

3" = 1'-0"



PLAN W 2A



PLAN W 2B

2 INTERIOR WALL ASSEMBLIES

1 1/2" = 1'-0"

9 DOWNSPOUT AT CANOPY WALL

3" = 1'-0"

10 SCHEDULE 40 DOWNSPOUT

3" = 1'-0"

8 BASE OF CANOPY WALL

3" = 1'-0"

3 TYPICAL BACKING DETAIL

3" = 1'-0"

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2300 Knoll Drive, Suite A
Ventura, CA 93003
805.644.8180

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DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

LICENSED ARCHITECT
JAMES E. ARMSTRONG
No. 31,207
RENEWAL: MAY. 31, 2024
STATE OF CALIFORNIA

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

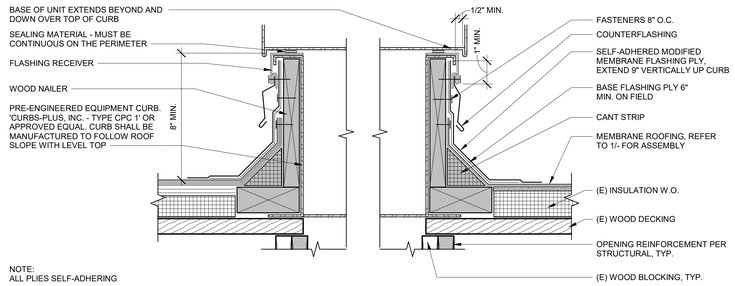
400 S LOMITA AVE, OJAI, CA 93023

Drawn By:	Author
Project No.:	18637

No.	Date	Issue
	8/2/2022	DSA Submittal 2

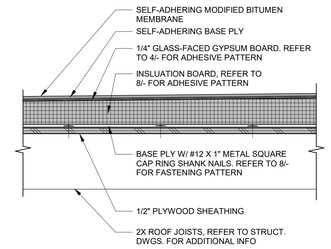
A9.00

DETAILS ASSEMBLIES AND TYPICAL WALL DETAILS

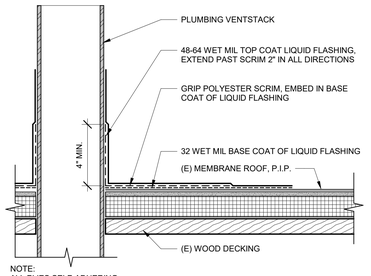


NOTE:
ALL PLIES SELF-ADHERING

4 EQUIPMENT CURB
3" = 1'-0"

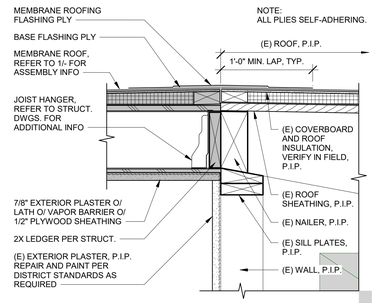


1 CANOPY ROOF ASSEMBLY
1 1/2" = 1'-0"

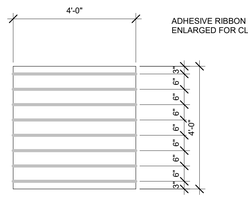


NOTE:
ALL PLIES SELF-ADHERING

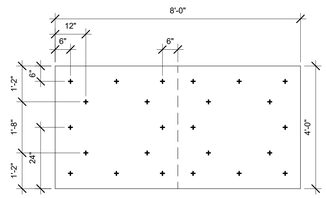
5 PIPE PENETRATION
3" = 1'-0"



2 CANOPY @ (E) ROOF
1 1/2" = 1'-0"



INSULATION BOARD AHESIVE PATTERN:
6" O.C. BEADS PER BOARD

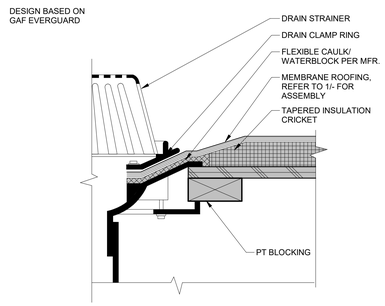


TYPICAL FASTENER PATTERN (CLOSED AND OPEN SOFFIT):
24 FASTENERS PER BOARD

NOTE:
TYPICAL ROOF USE 3" #14 SCREW FASTENER #3 PHILLIPS TRUSS HEAD AND PLATE.

8 FASTENER PATTERN
1/2" = 1'-0"

6 ROOF DRAIN
1 1/2" = 1'-0"



7 ROOF DRAIN SECTION
3" = 1'-0"

3 CANOPY ROOF EDGE
3" = 1'-0"

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Ventura, CA 93003
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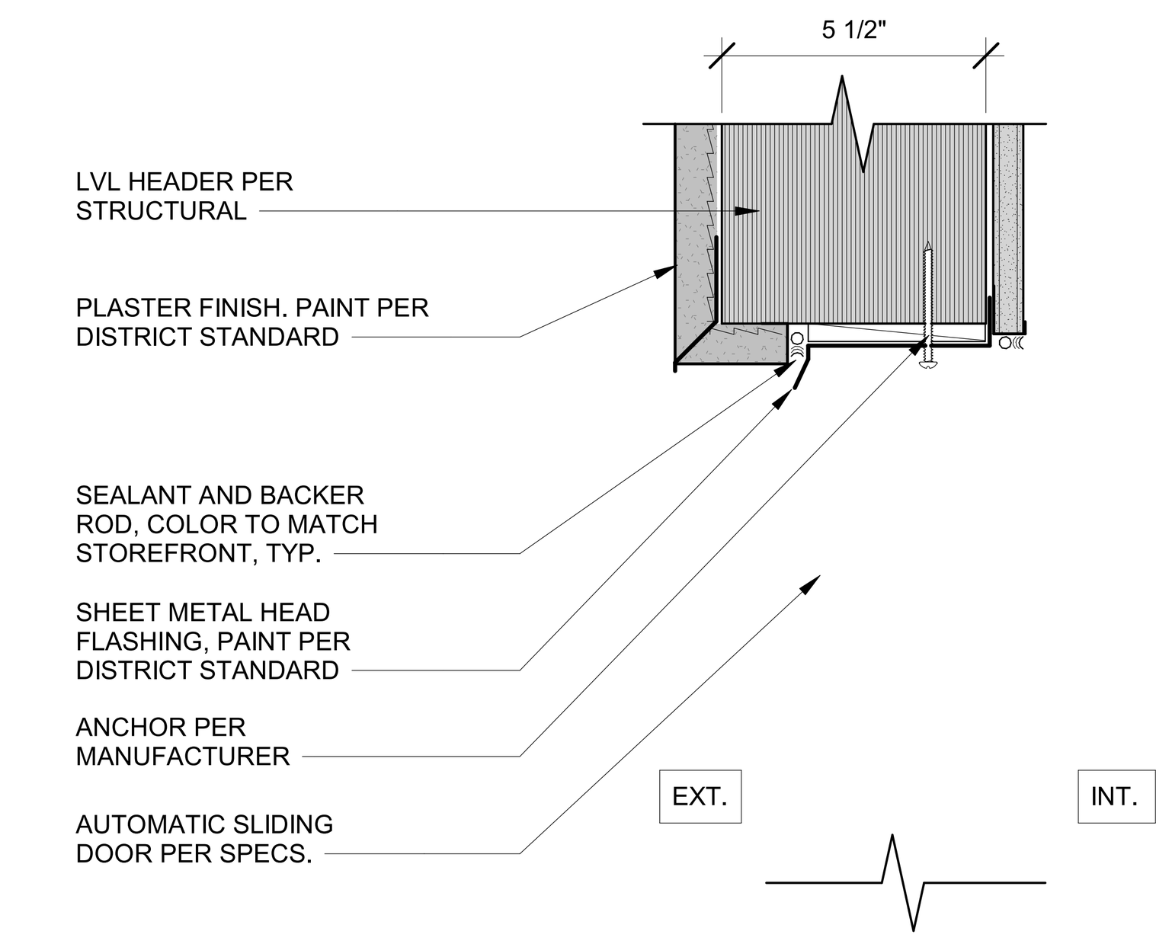
Drawn By:	Author
Project No.:	18637

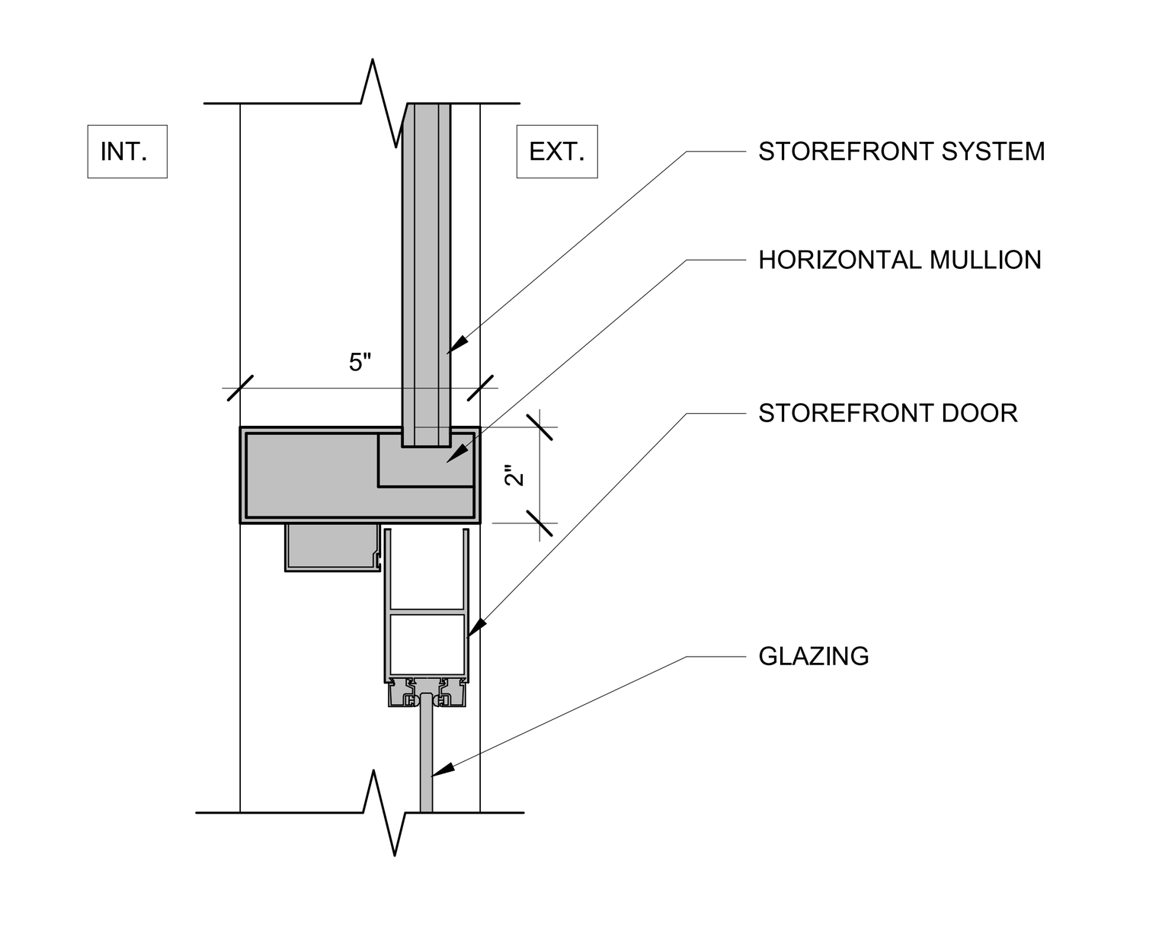
No.	Date	Issue
	8/2/2022	DSA Submittal 2

A9.20

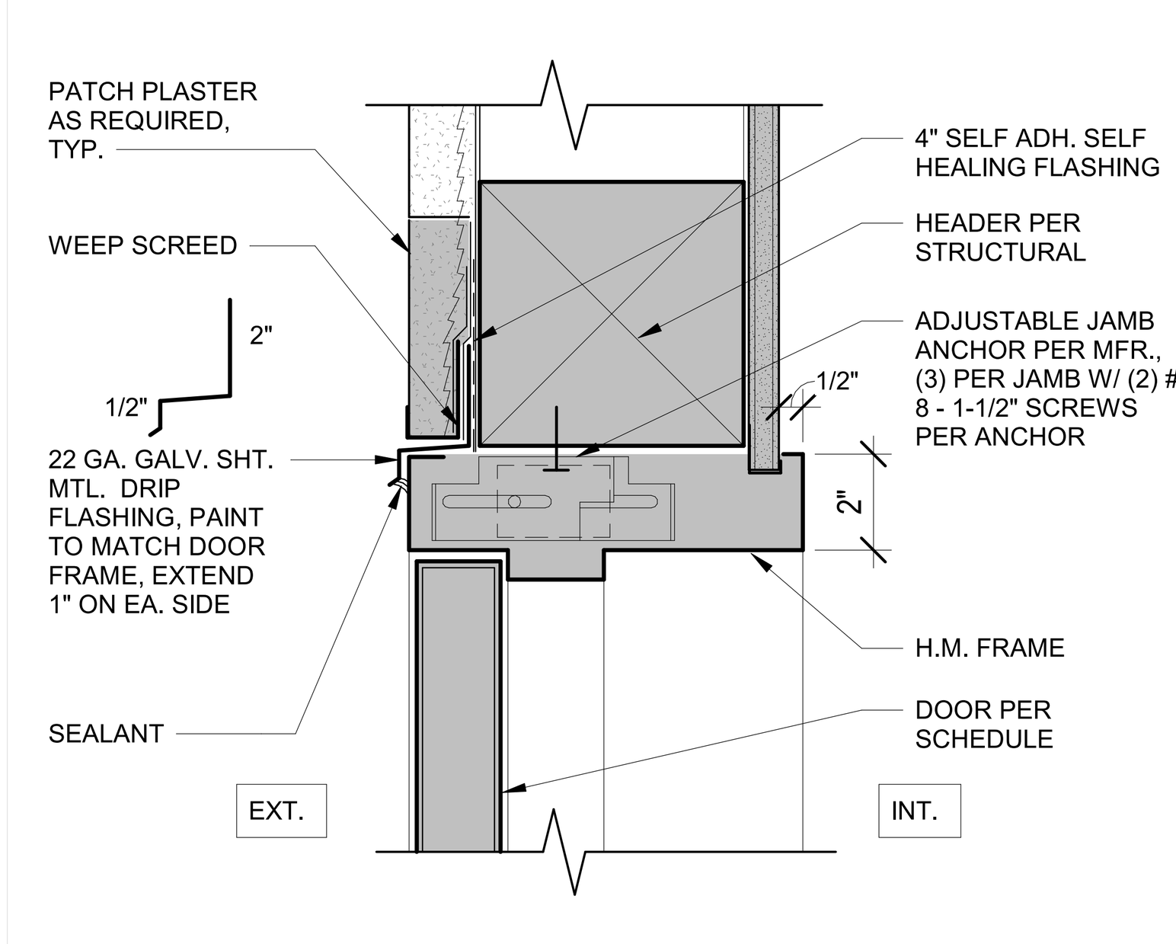
DETAILS ROOF



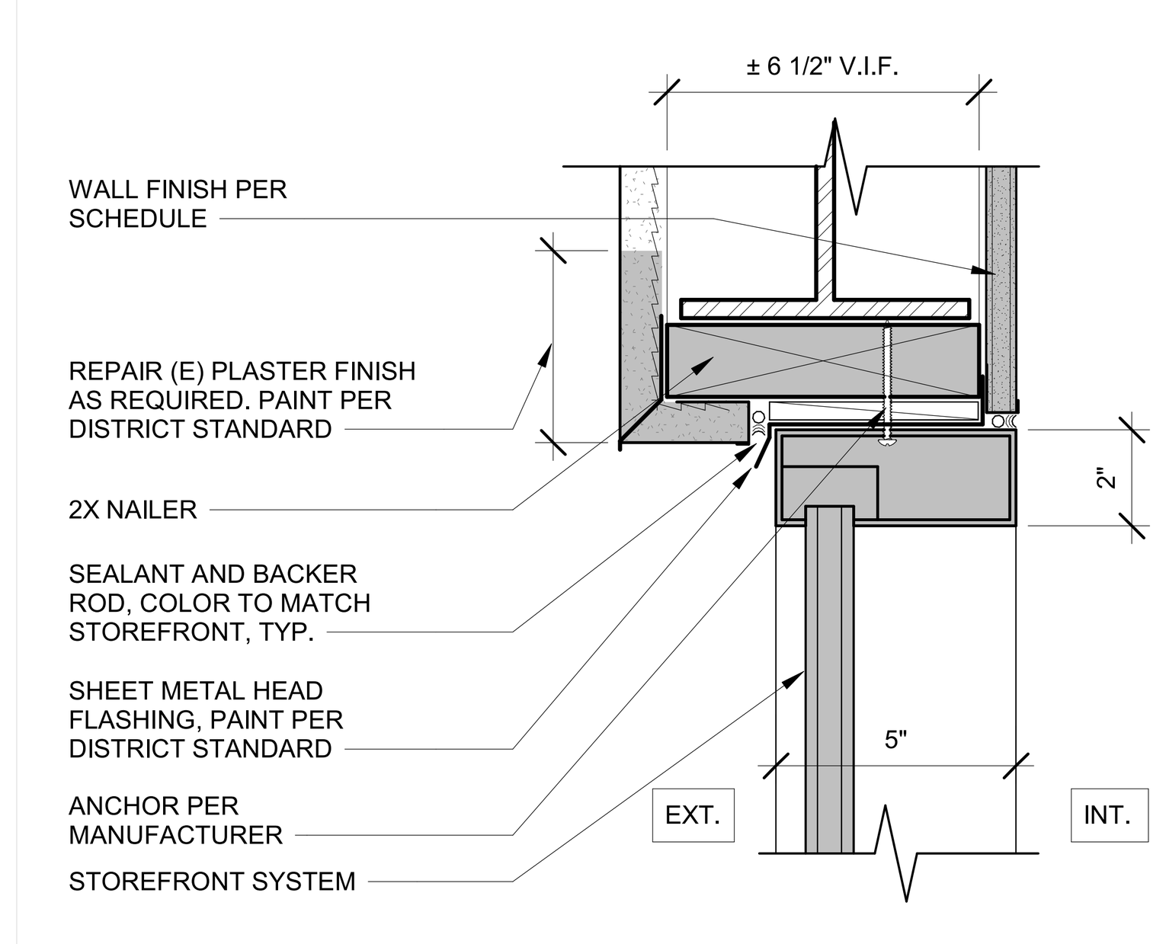
25 AUTOMATIC SLIDING DOOR HEAD
3" = 1'-0"



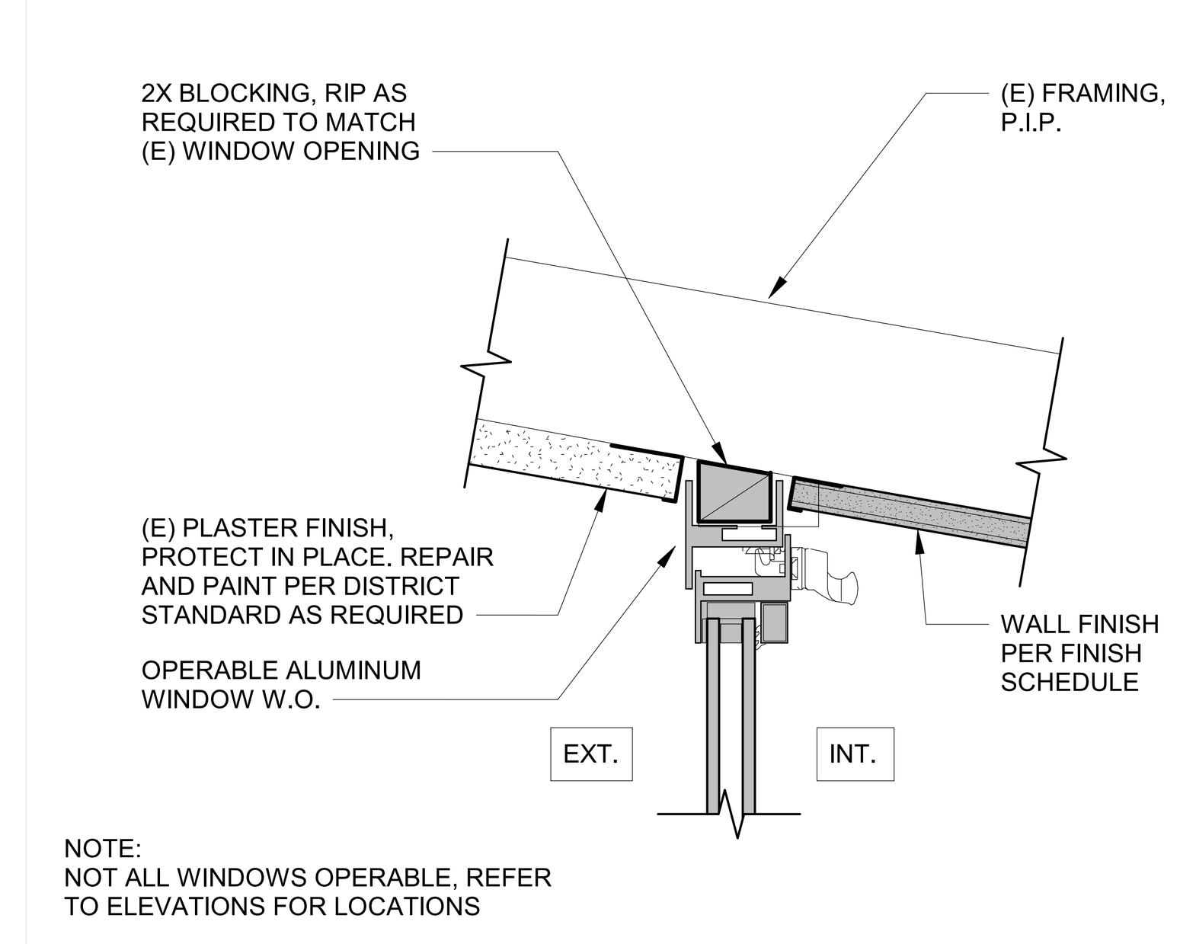
16 STOREFRONT DOOR HEAD
3" = 1'-0"



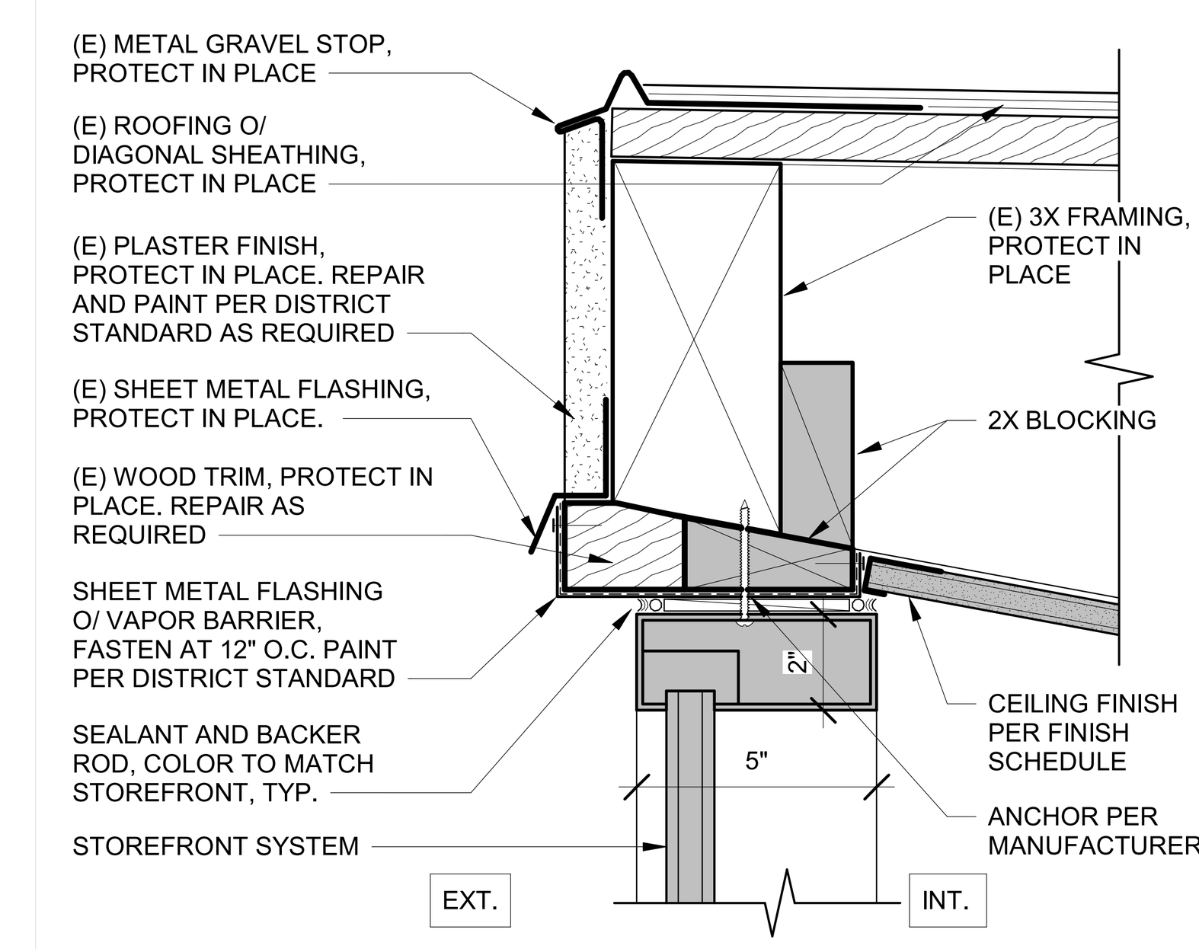
13 EXTERIOR HM DOOR HEAD
3" = 1'-0"



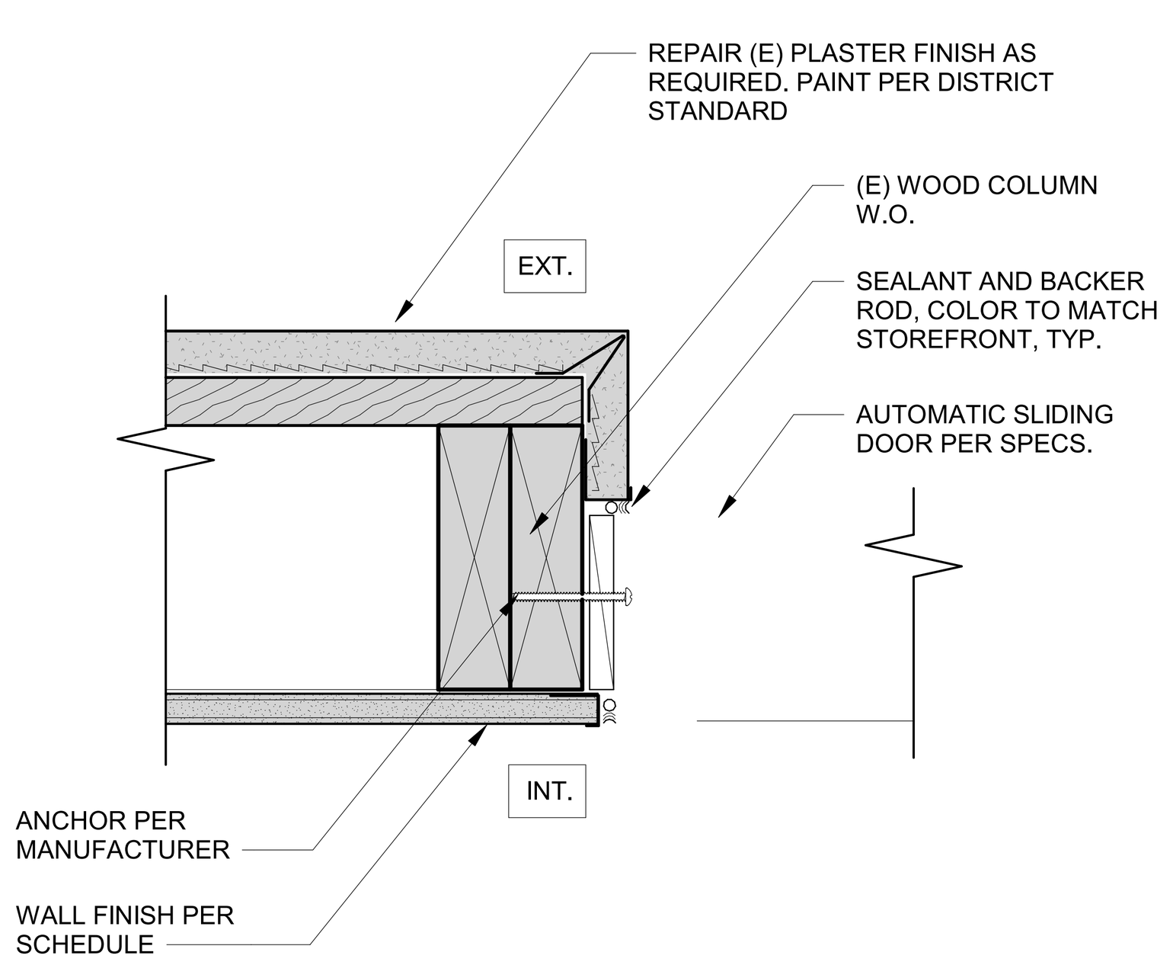
9 STOREFRONT HEAD @ EXTERIOR PLASTER
3" = 1'-0"



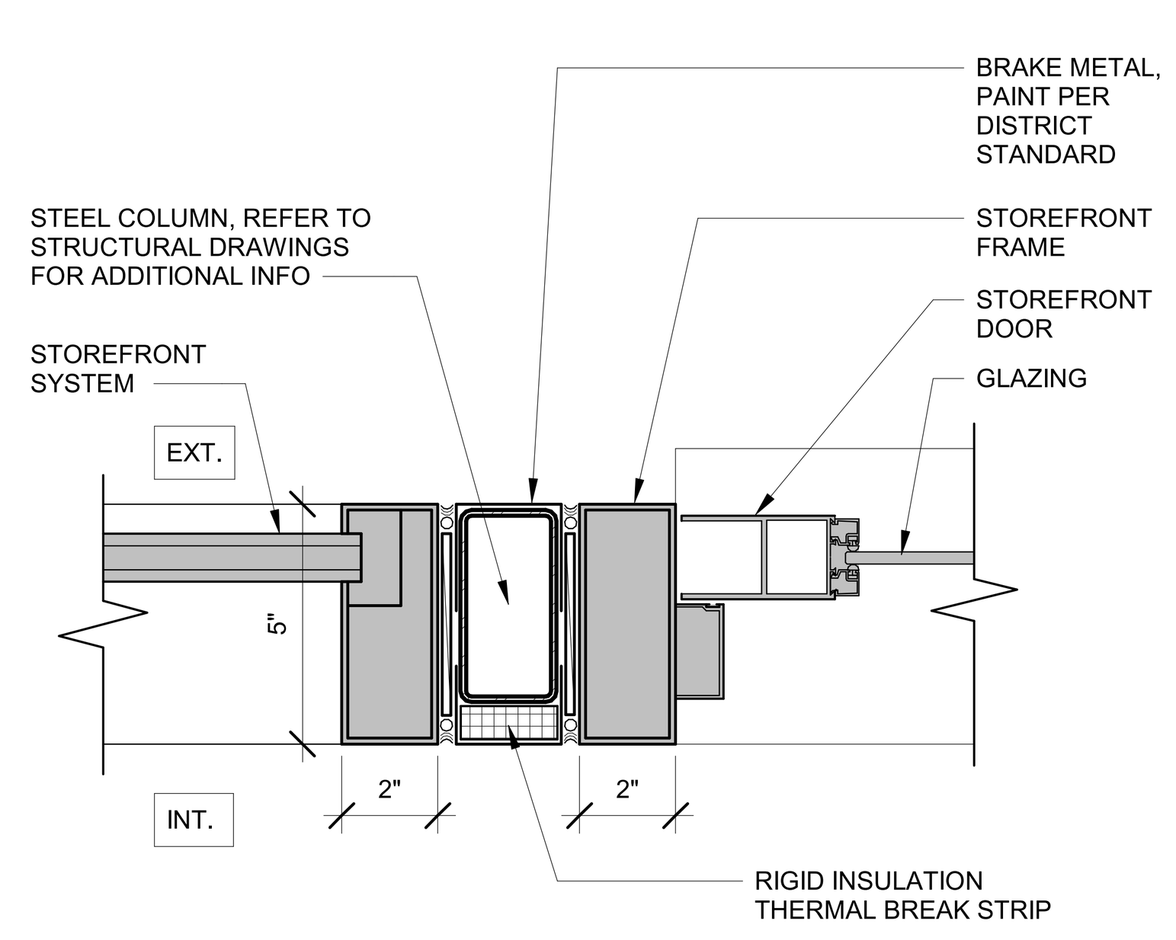
6 ALUMINUM WINDOW HEAD
3" = 1'-0"



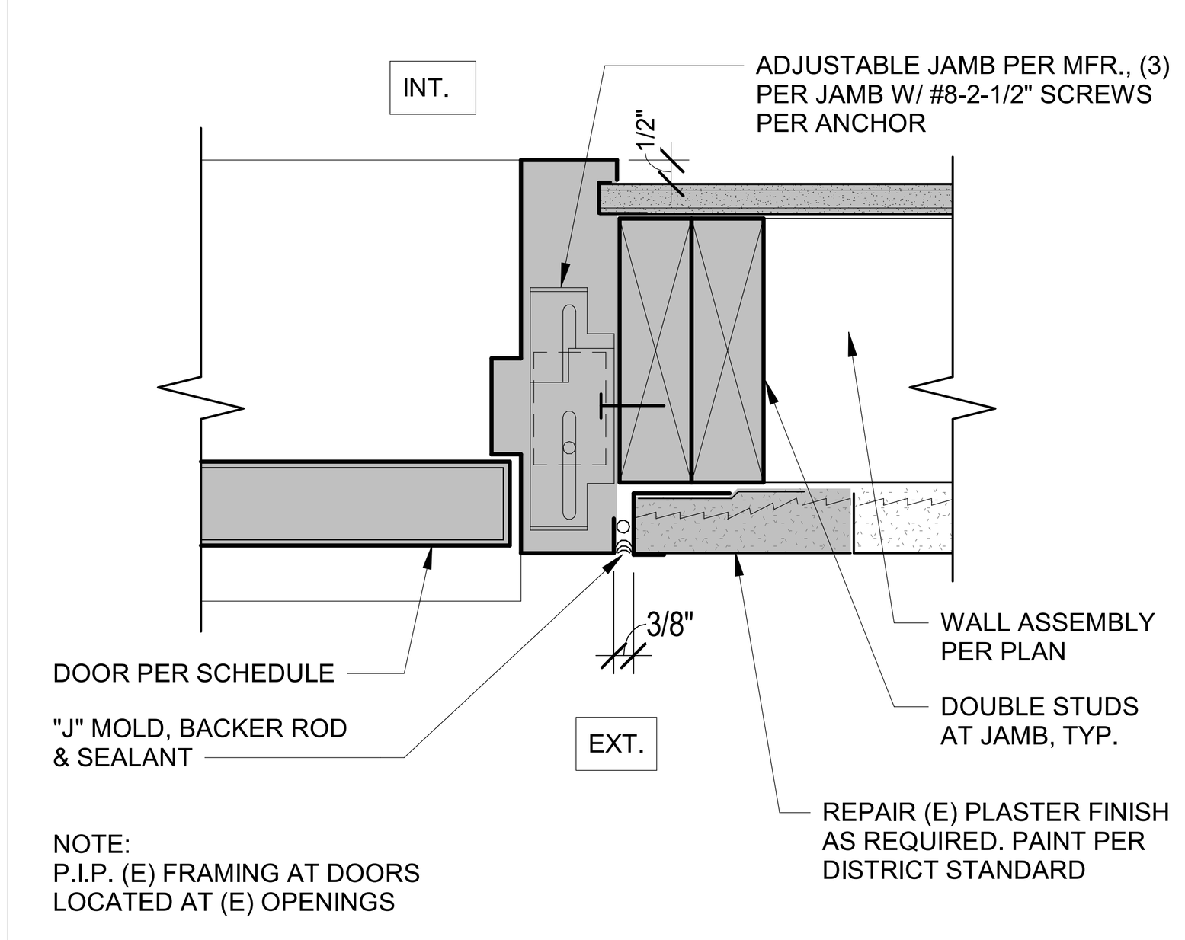
1 STOREFRONT HEAD
3" = 1'-0"



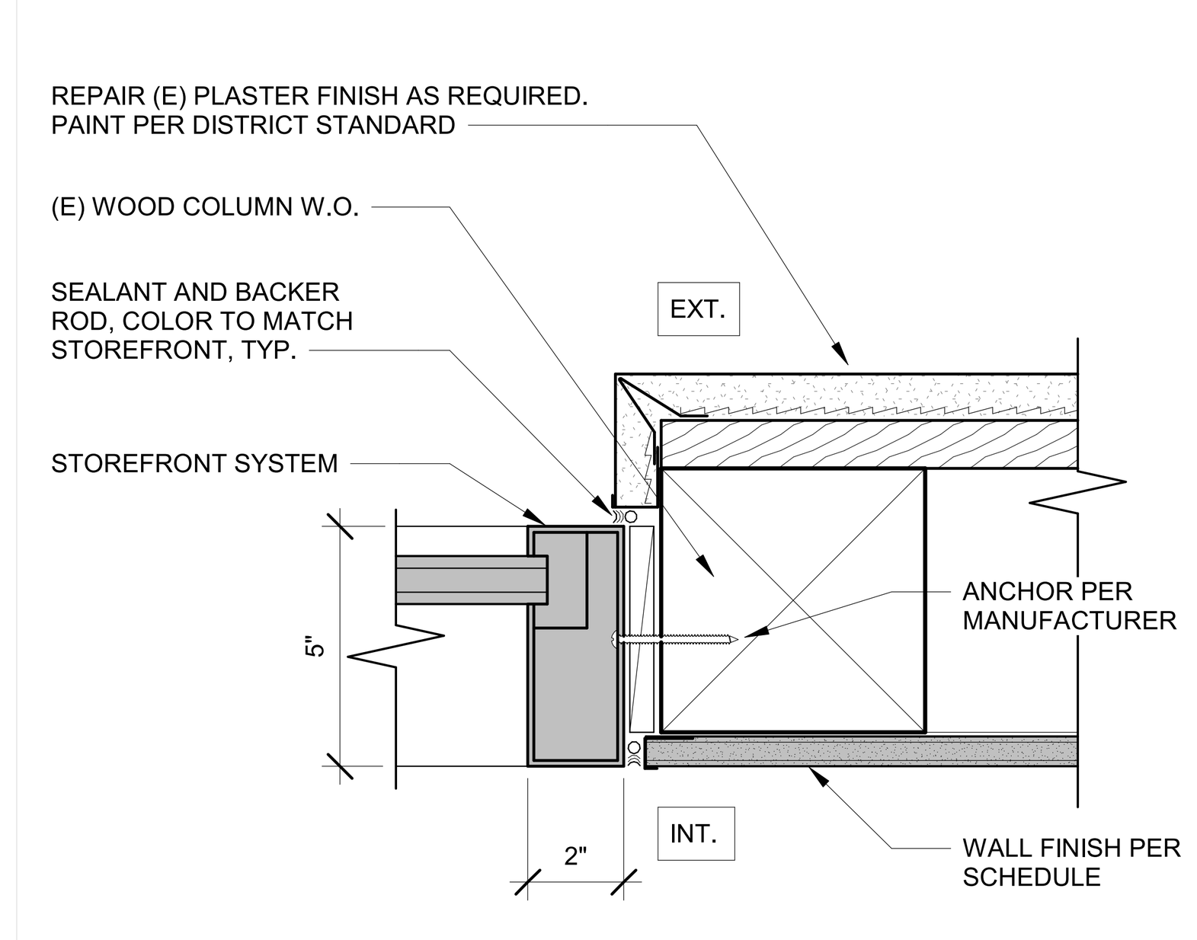
26 AUTOMATIC SLIDING DOOR JAMB
3" = 1'-0"



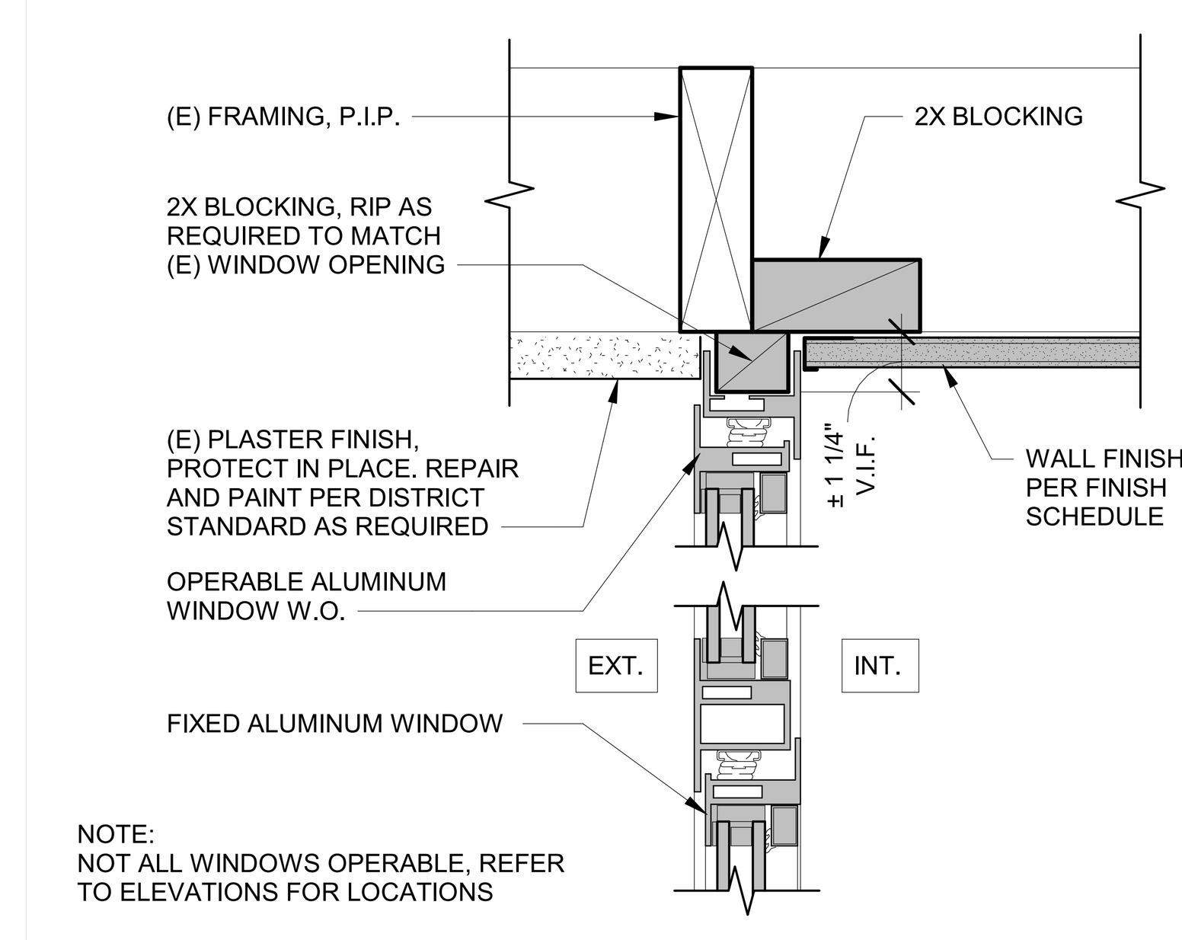
17 STOREFRONT DOOR JAMB
3" = 1'-0"



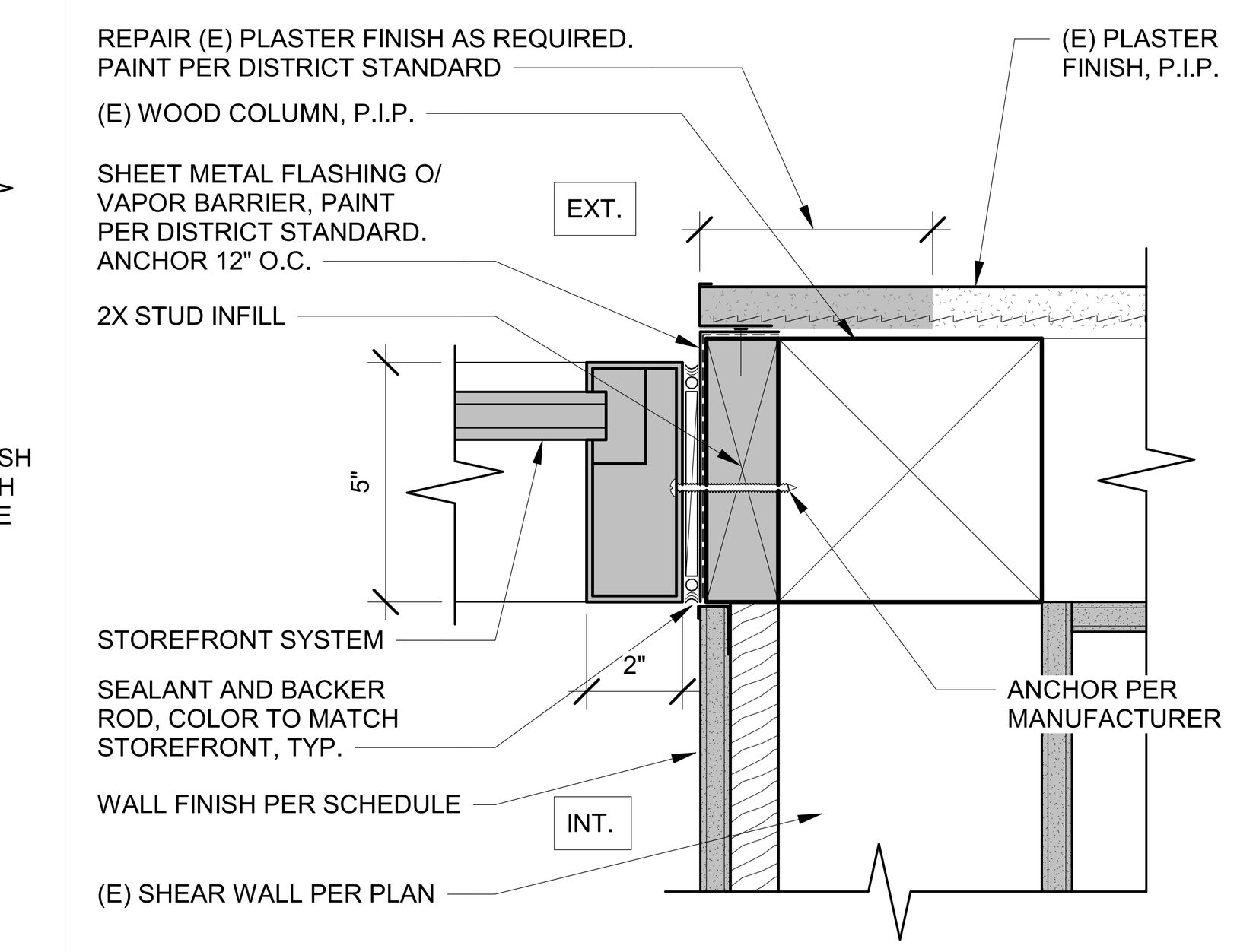
14 EXTERIOR HM DOOR JAMB
3" = 1'-0"



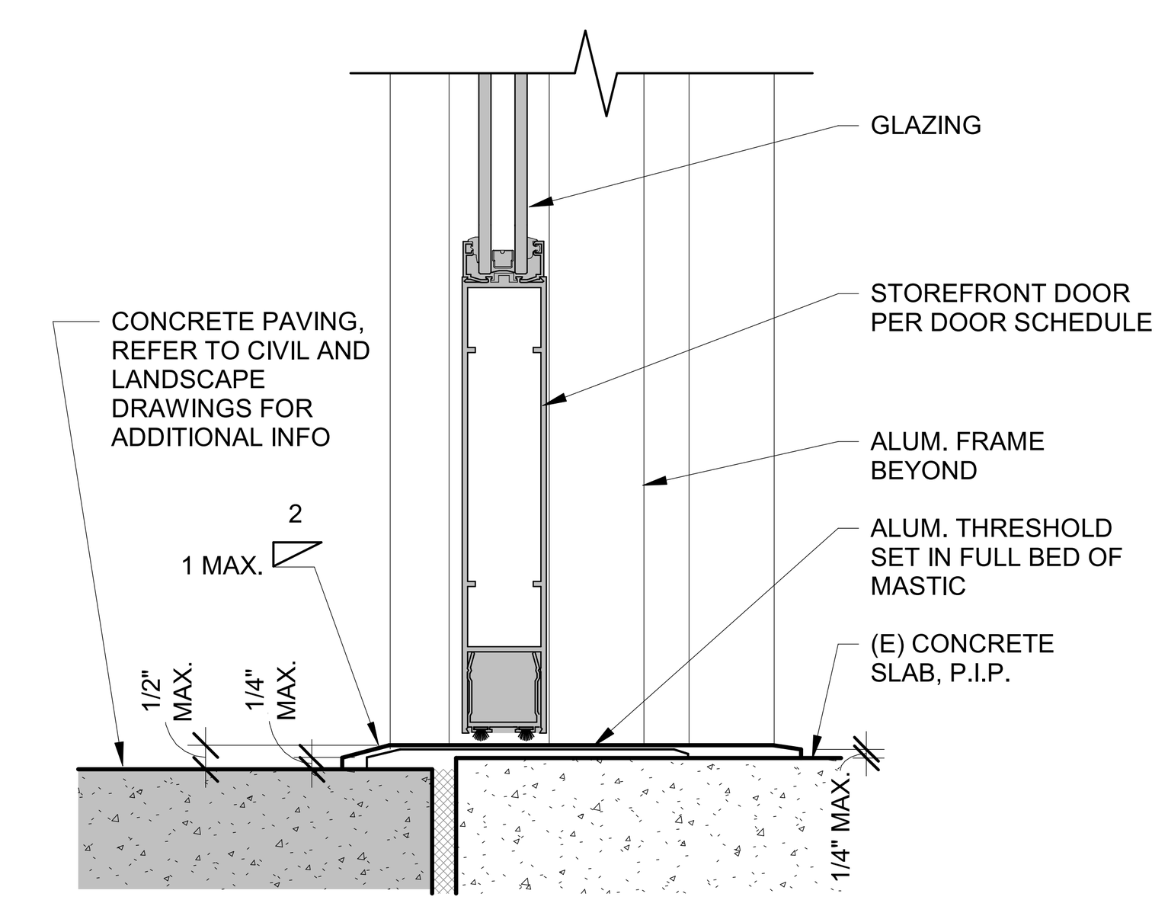
8 STOREFRONT JAMB @ EXTERIOR PLASTER
3" = 1'-0"



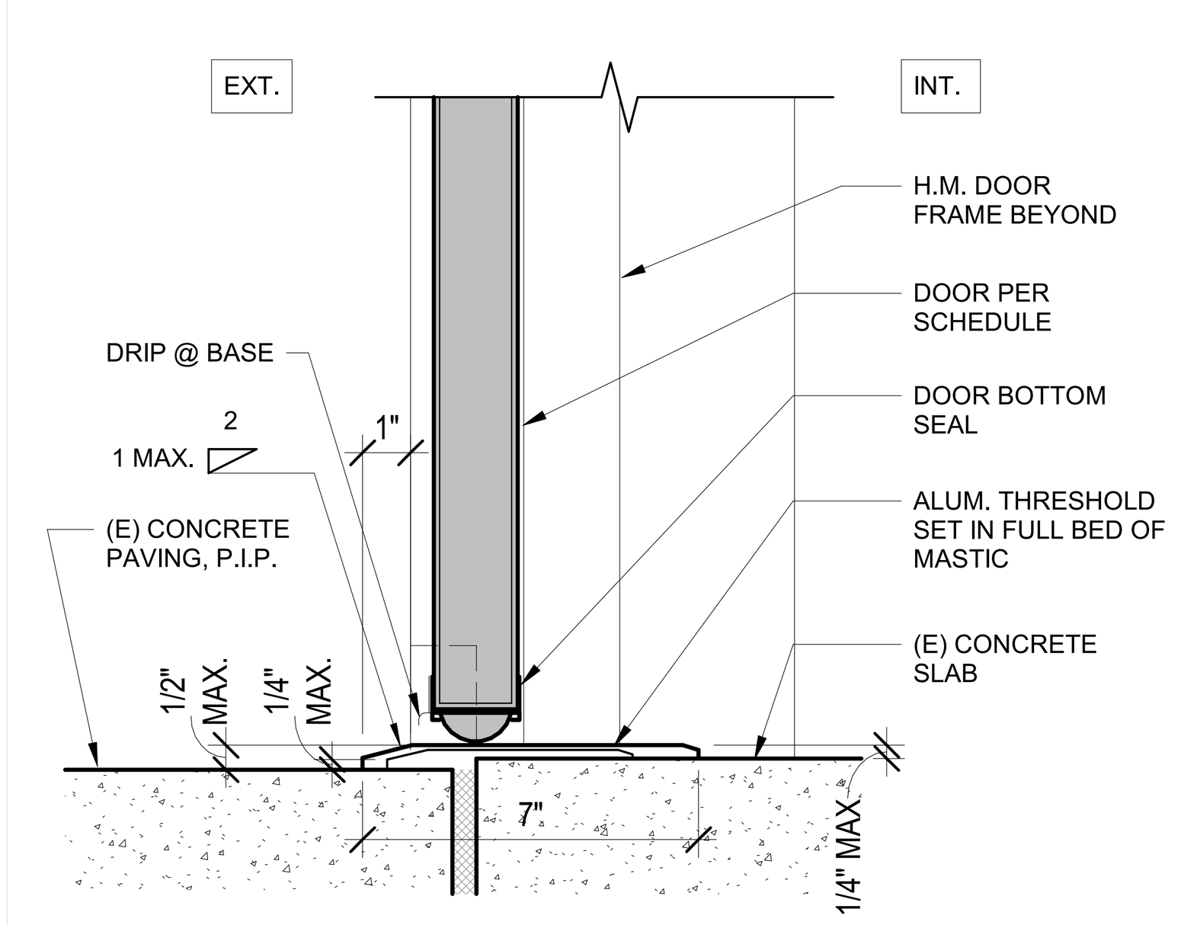
5 ALUMINUM WINDOW JAMB
3" = 1'-0"



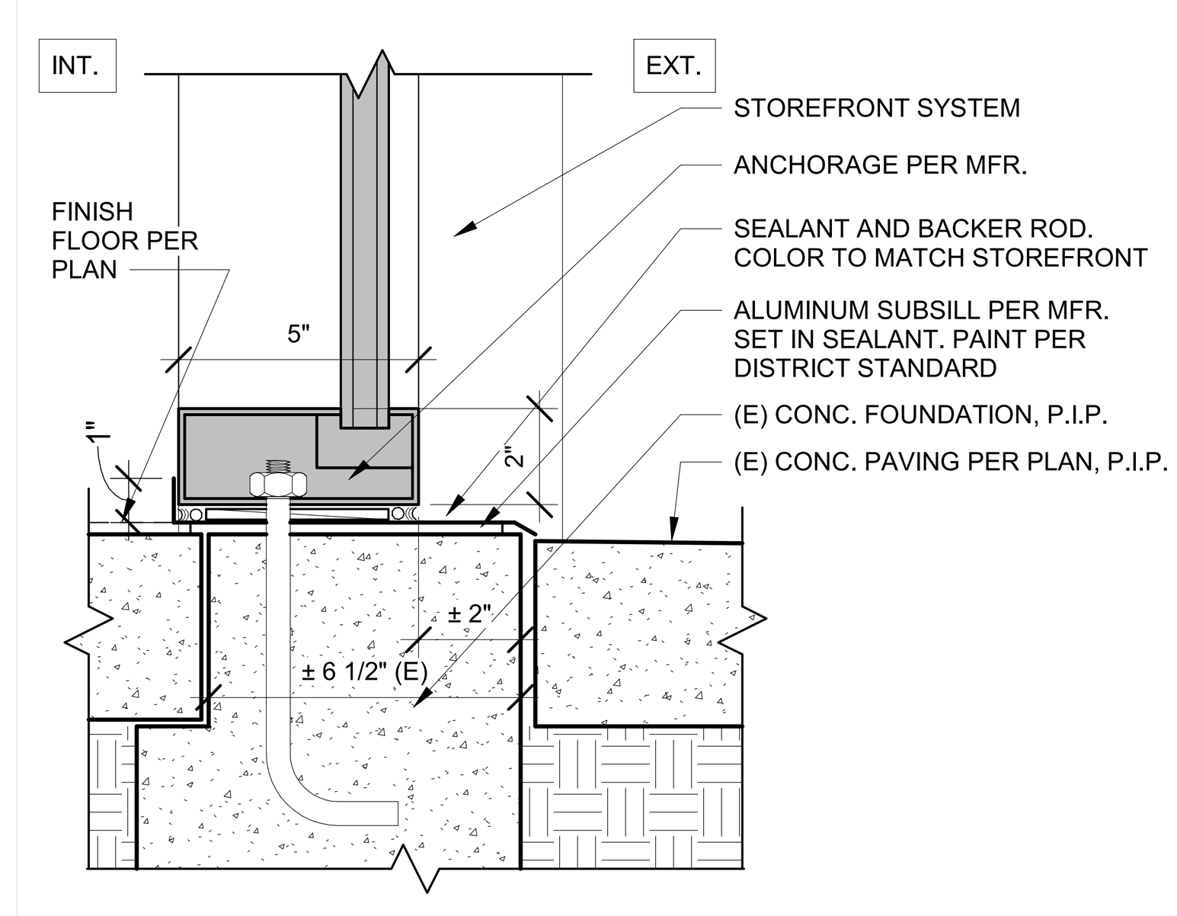
2 STOREFRONT JAMB @ EXTERIOR PLASTER
3" = 1'-0"



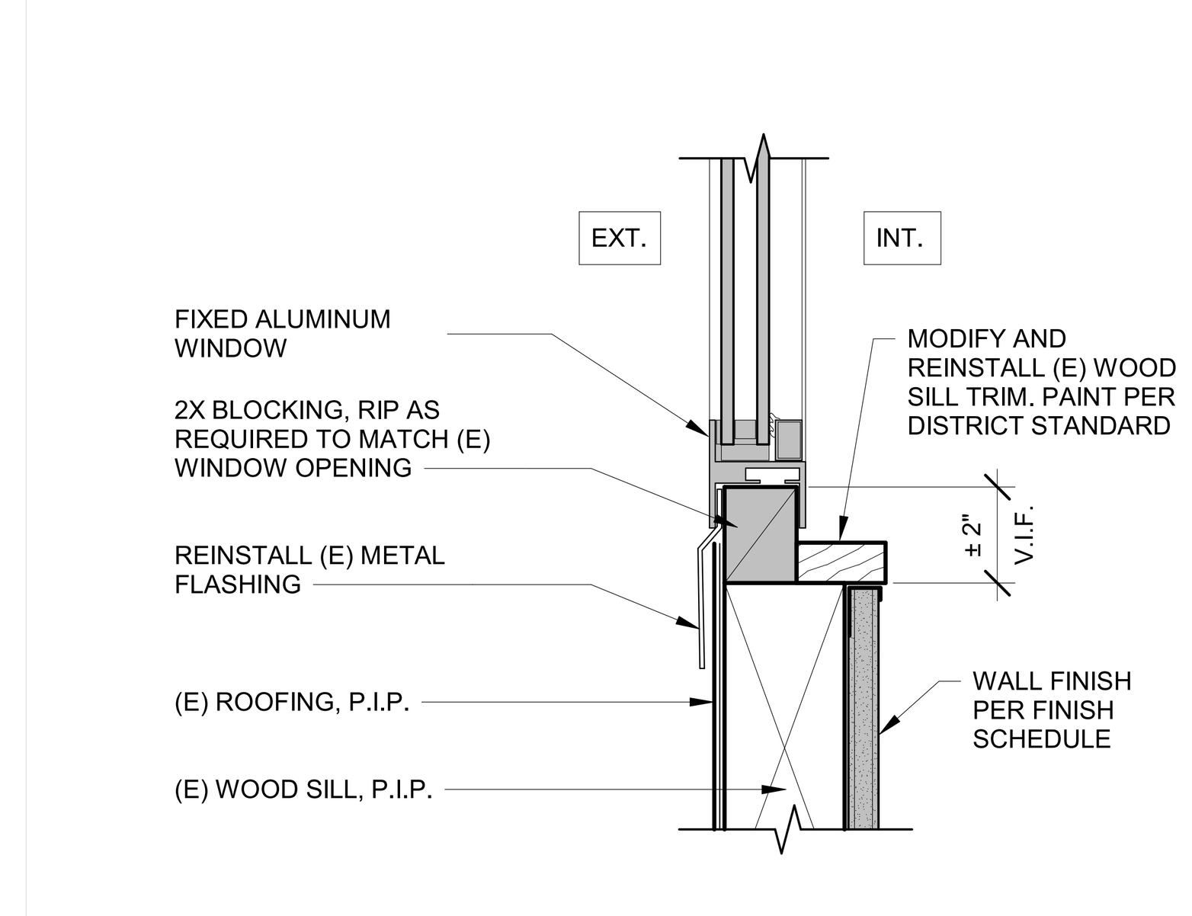
18 STOREFRONT DOOR THRESHOLD
3" = 1'-0"



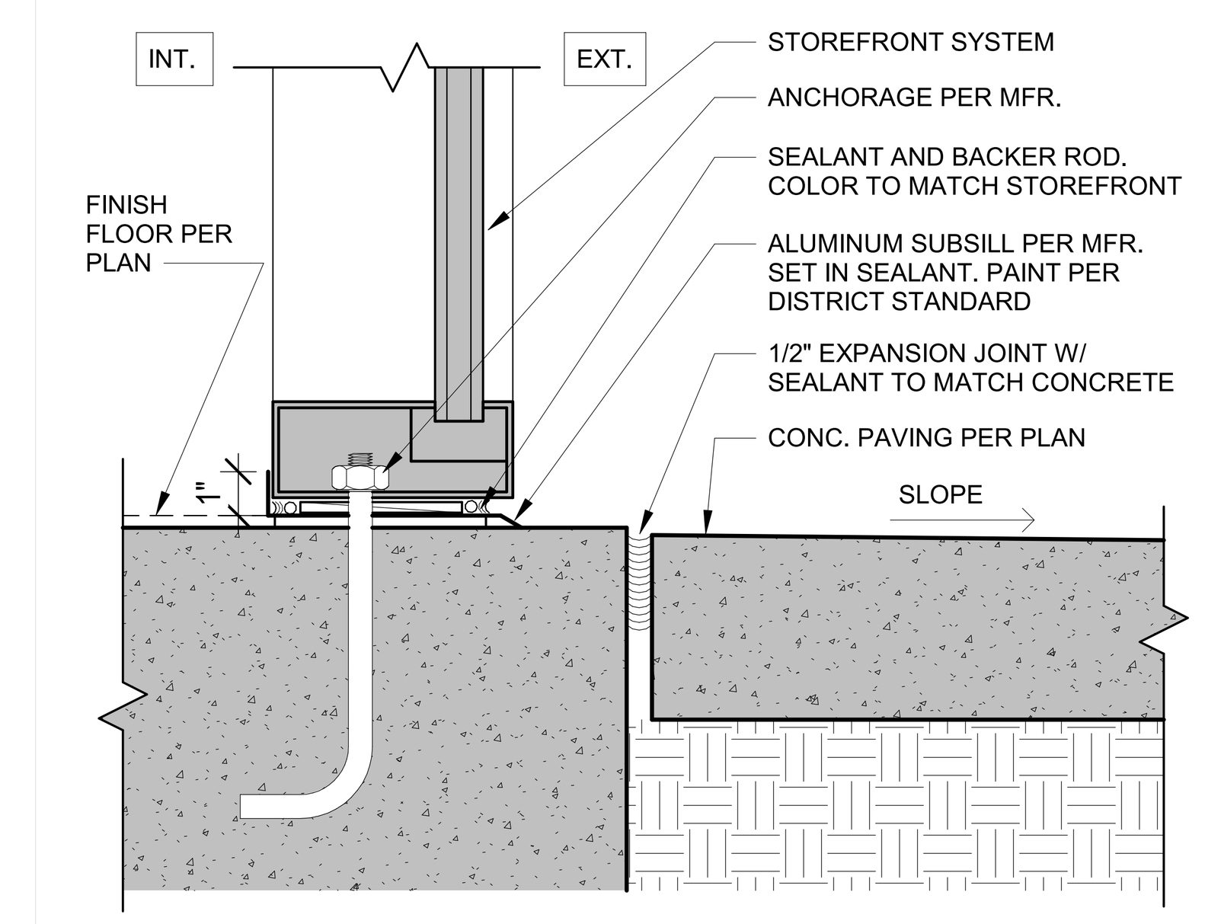
15 EXTERIOR HM DOOR THRESHOLD
3" = 1'-0"



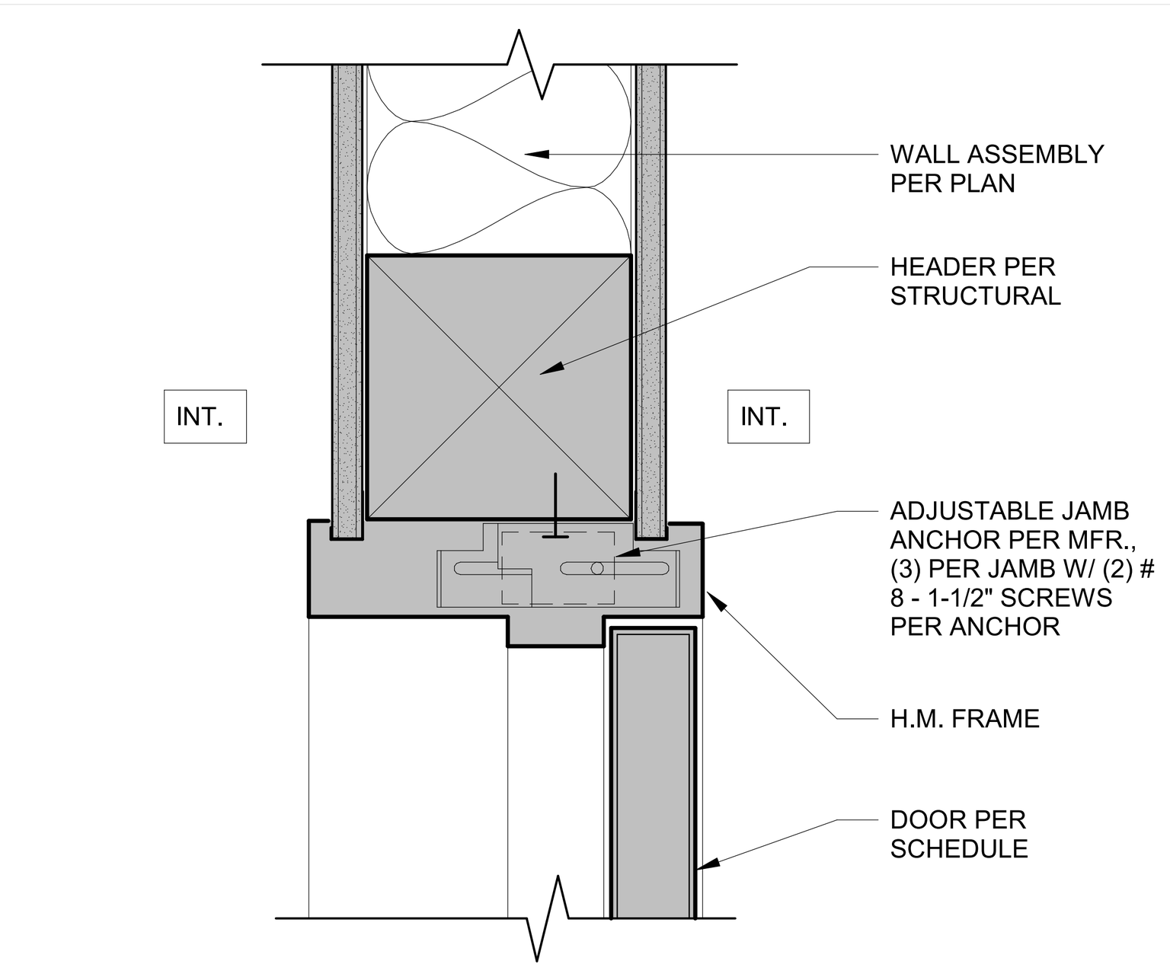
7 STOREFRONT SILL @ GRADE
3" = 1'-0"



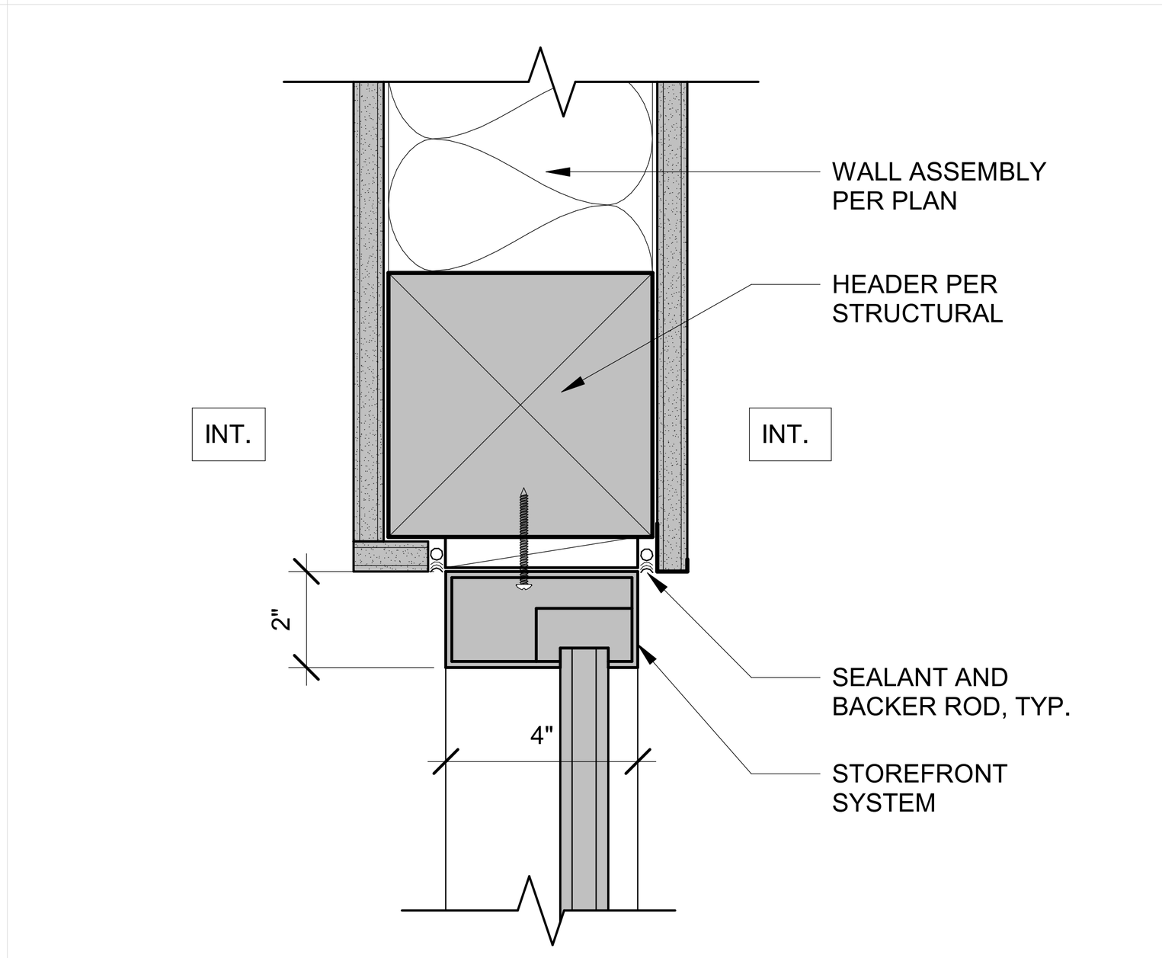
4 ALUMINUM WINDOW SILL
3" = 1'-0"



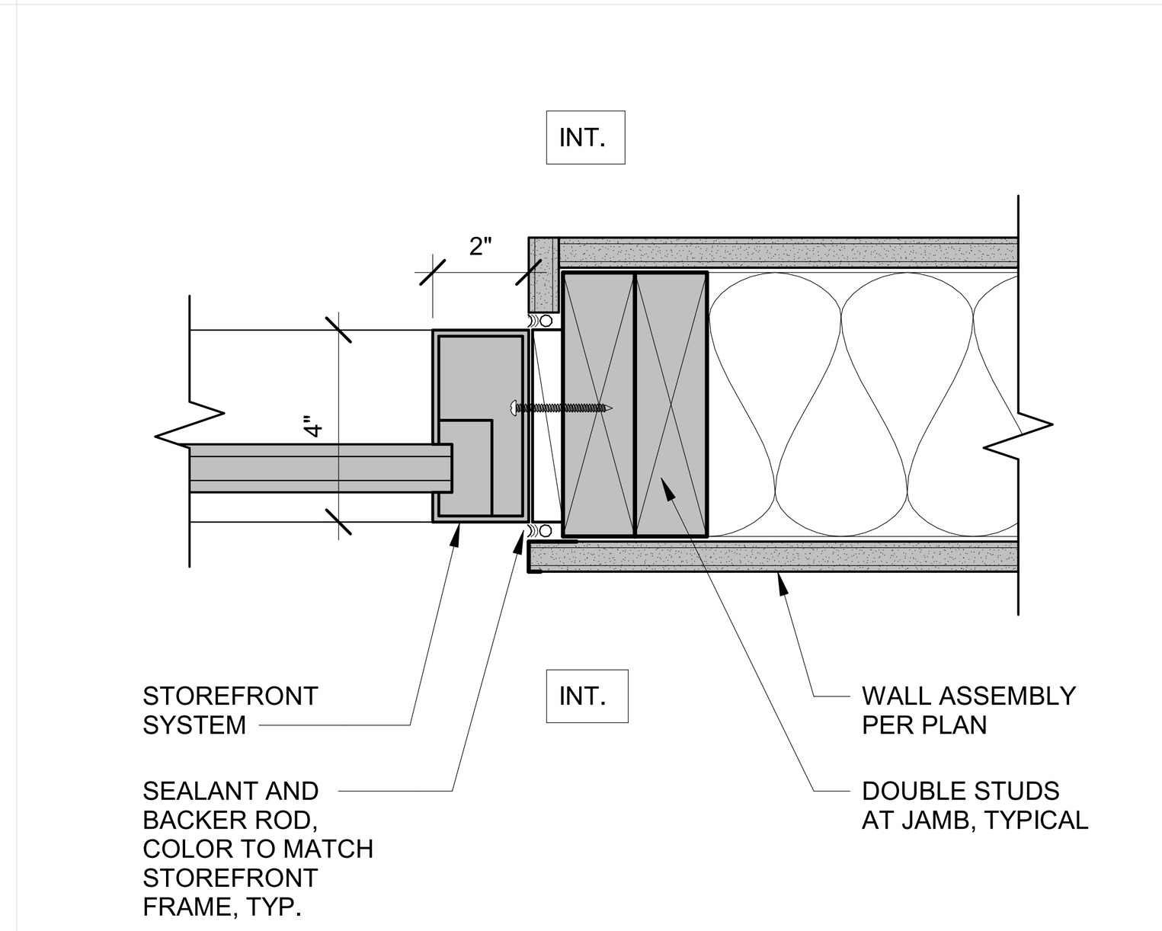
3 STOREFRONT SILL @ GRADE
3" = 1'-0"



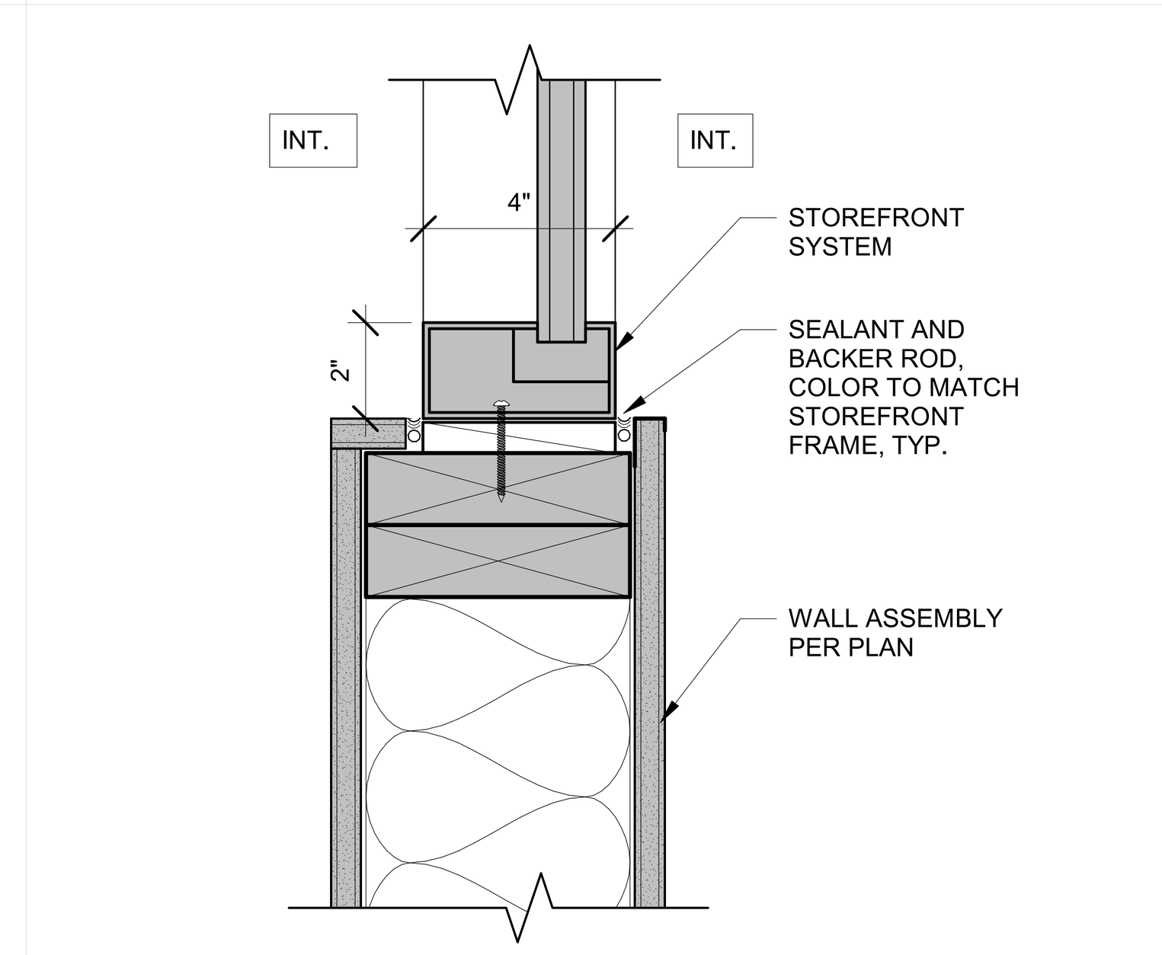
19 INTERIOR HM DOOR HEAD
3" = 1'-0"



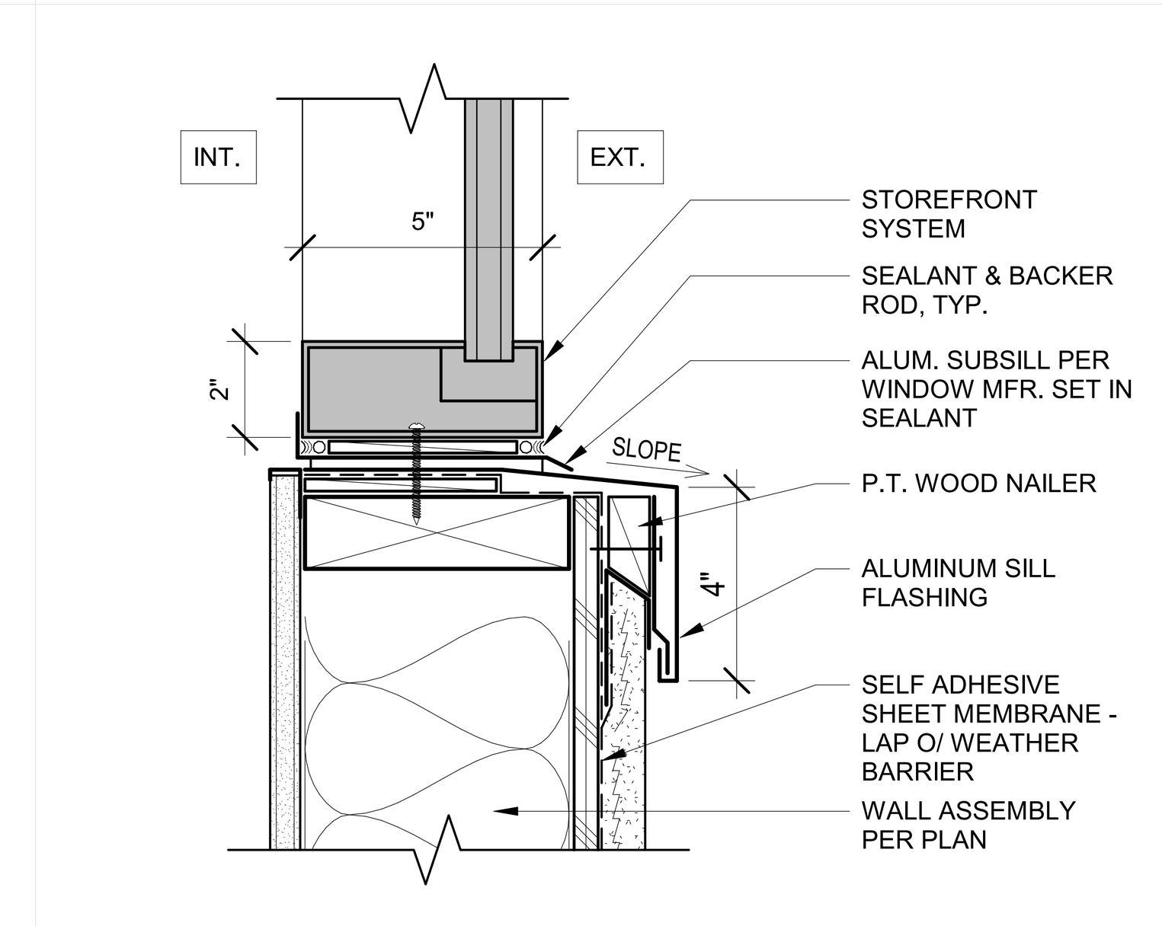
10 INTERIOR STOREFRONT HEAD
3" = 1'-0"



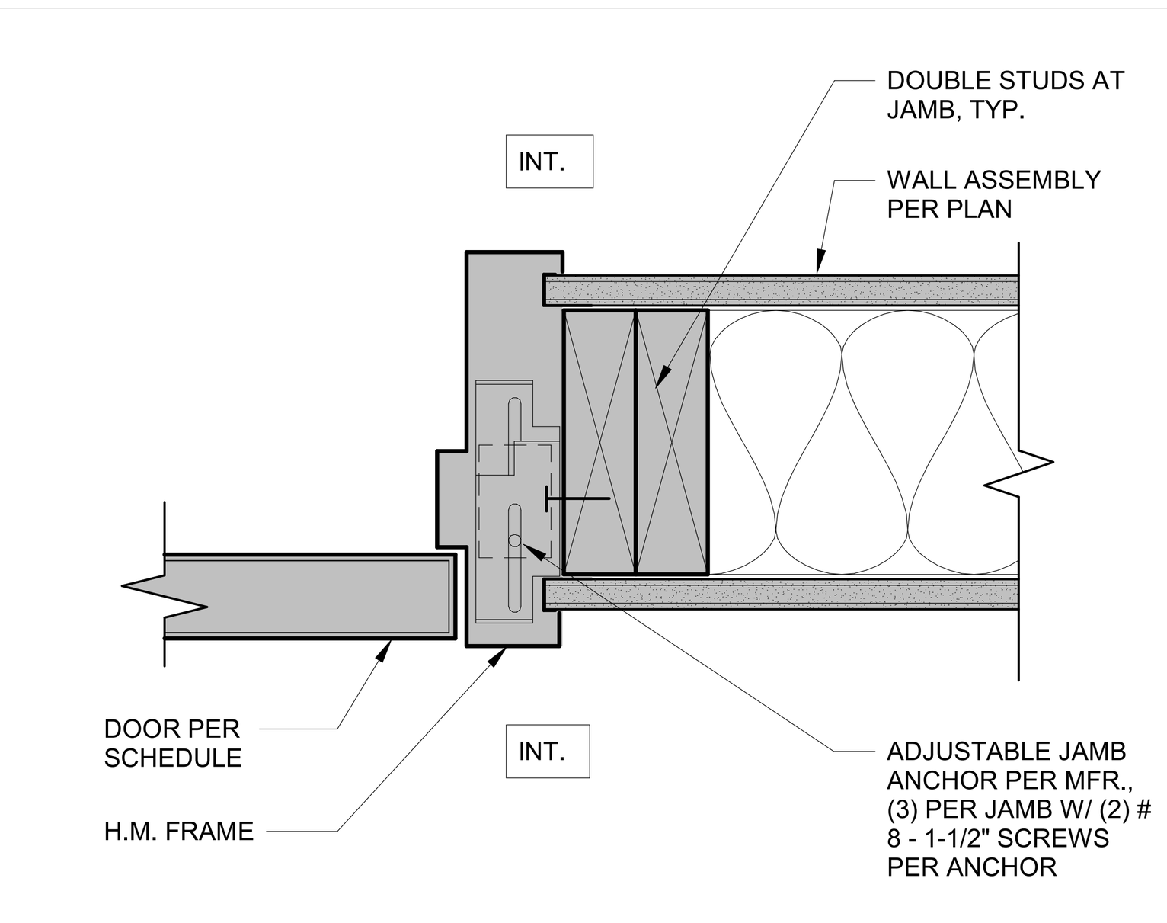
11 INTERIOR STOREFRONT JAMB
3" = 1'-0"



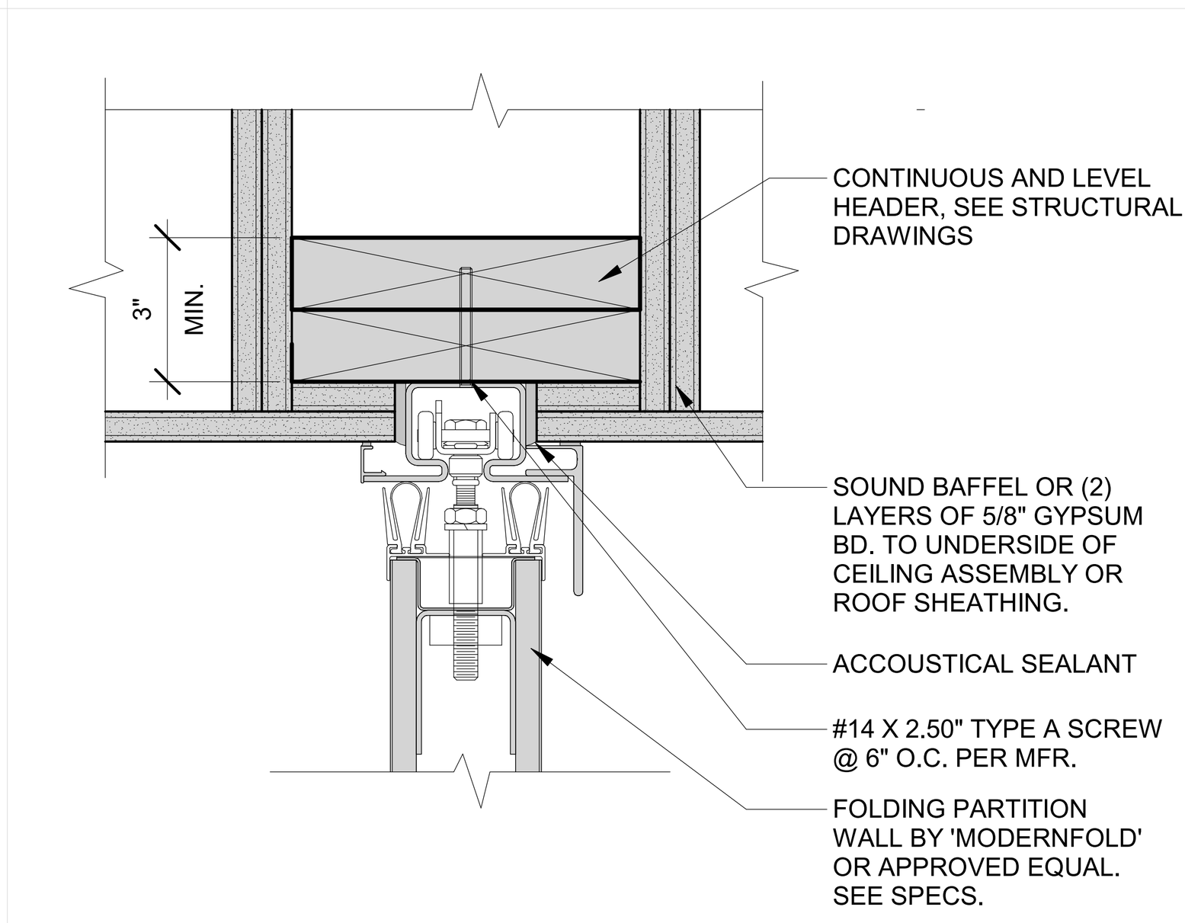
12 INTERIOR STOREFRONT SILL
3" = 1'-0"



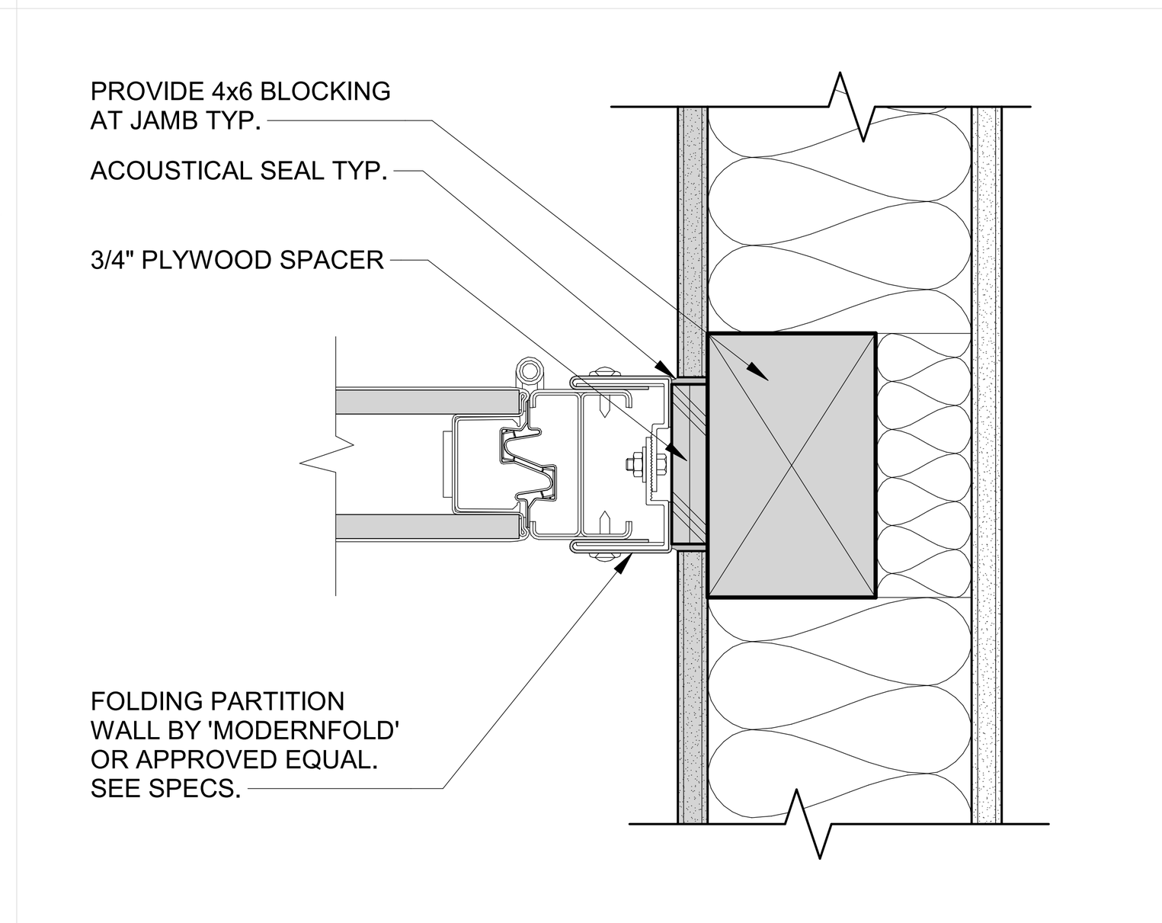
21 STOREFRONT SILL @ PLASTER WALL
3" = 1'-0"



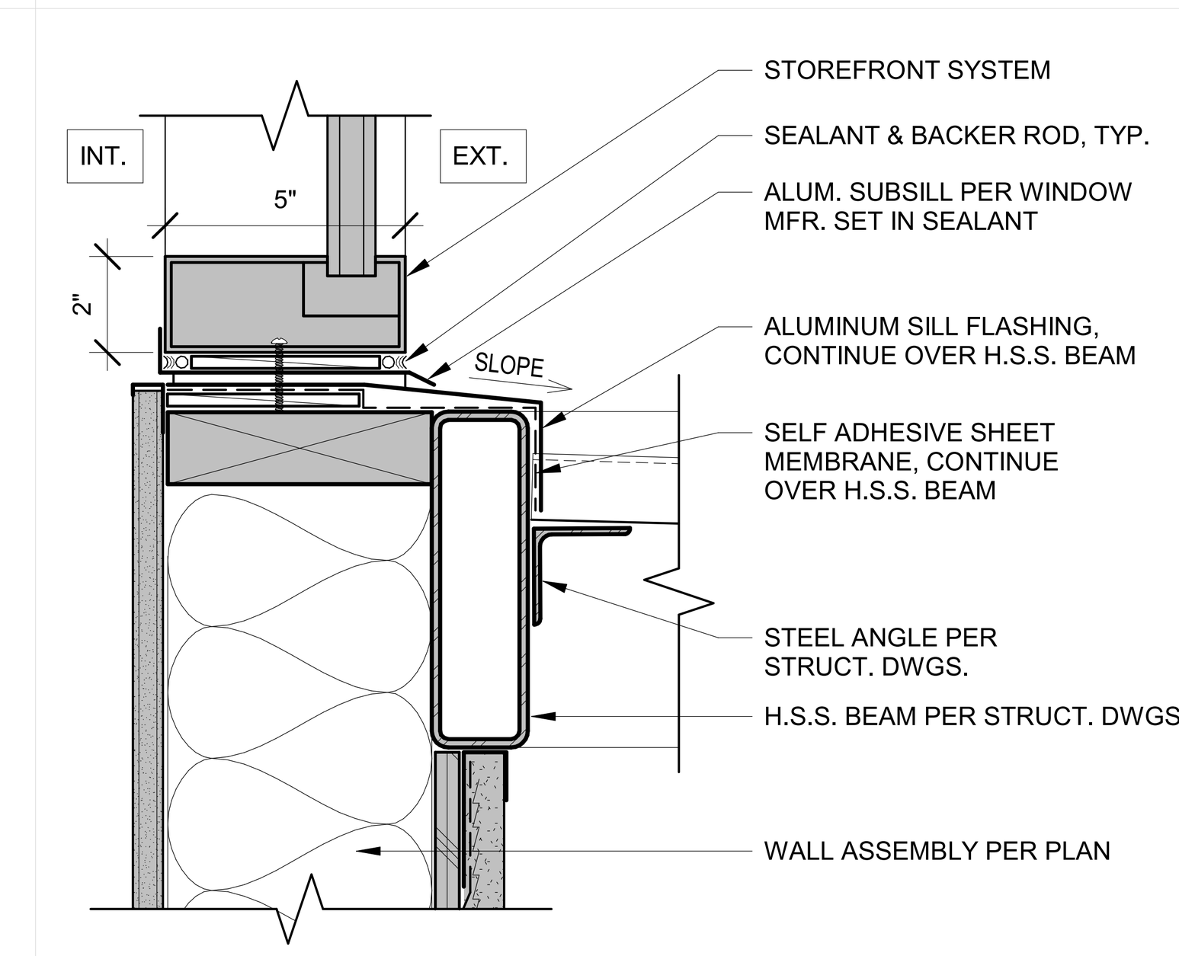
20 INTERIOR HM DOOR JAMB
3" = 1'-0"



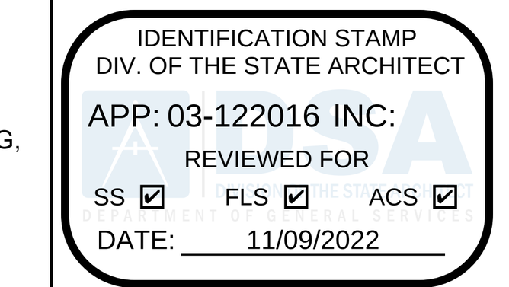
23 INTERIOR FOLDING PARTITION HEAD
3" = 1'-0"



24 INTERIOR FOLDING PARTITION JAMB
3" = 1'-0"



22 STOREFRONT SILL @ METAL CANOPY
3" = 1'-0"



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MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

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OJAI, CA 93023

Drawn By:	Author
Project No.:	18637

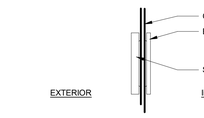
No.	Date	Issue
	8/2/2022	DSA Submittal 2

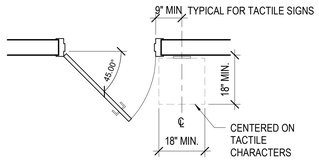
A9.50

DETAILS WINDOWS & DOORS

GENERAL NOTES

1. FOR SIGNAGE APPLICATION TO GLASS, PROVIDE A MATCHING BACK-UP PLATE & MOUNT TO INTERIOR SURFACE OF GLASS WITH ADHESIVE.



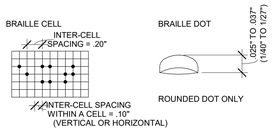


2. VERIFY ALL SIGN TEXT WITH ***DISTRICT*** PRIOR TO ORDERING SIGNAGE.

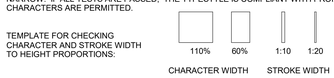
3. PROVIDE AN ADDITIONAL 10 BUILDING SIGNS WITH 40 CHARACTERS PER SIGN TO BE DETERMINED DURING CONSTRUCTION PER THE ***DISTRICT***'S DIRECTION.

ACCESSIBLE SIGNAGE

1. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO INDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH AND AS SPECIFICALLY REQUIRED IN THESE NOTES. THE FOLLOWING ELEMENTS AND SPACES OF ACCESSIBLE FACILITIES SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY:
   - A. ACCESSIBLE PARKING SPACES.
   - B. ACCESSIBLE AREA OF REFUGE.
   - C. ACCESSIBLE PASSENGER LOADING ZONES.
   - D. ACCESSIBLE TOILET AND BATHING FACILITIES.
   - E. ALL MAIN ENTRY DOORS.
2. OTHER SIGNS:
   - A. IN ASSEMBLY AREAS, A SIGN NOTIFYING THE GENERAL PUBLIC OF THE AVAILABILITY OF ASSISTIVE LISTENING SYSTEMS SHALL BE PROVIDED AT TICKET OFFICES OR SIMILAR LOCATIONS.
   - B. EACH DOOR TO AN EXIT SHALL HAVE A TACTILE SIGN, INCLUDING RAISED LETTERS AND BRAILLE, STATING "EXIT" AND SHALL COMPLY WITH CABO/ANSI A117.1, CBC 1011.4 AND CBC 11B-703.
   - C. AT EXITS AND ELEVATORS SERVING A REQUIRED ACCESSIBLE SPACE, BUT NOT PROVIDING AN APPROVED ACCESSIBLE MEANS OF EGRESS, SIGNS SHALL BE INSTALLED INDICATING THE LOCATION OF ACCESSIBLE MEANS OF EGRESS.
3. COLOR OF SYMBOL: THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595C.
4. BRAILLE SYMBOLS: CALIFORNIA CONTRACTED GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE SYMBOLS ARE SPECIFICALLY REQUIRED. DOTS SHALL BE 1/10 INCH ON CENTER IN EACH CELL WITH 2/10 INCH SPACE BETWEEN CELLS. DOTS SHALL BE RAISED 0.025 TO 0.037 (1/40 TO 1/27) INCH ABOVE THE BACKGROUND. CBC TABLE 11B-703.3.1. RECOMMENDED ROUNDED OR DOMED CALIFORNIA BRAILLE DOTS, EACH DISTINCT AND SEPARATE.



5. CHARACTER PROPORTION: CHARACTER PROPORTIONS: LETTERS AND NUMBERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF UPPERCASE LETTER "O" IS BETWEEN 60% AND 110% THE HEIGHT OF THE UPPERCASE LETTER "I", AND THE STROKE THICKNESS OF THE UPPERCASE LETTER "I" IS 10% TO 20% MAXIMUM OF THE HEIGHT OF THE CHARACTER. CBC SECTION 11B-703.5.4. CREATE A TEMPLATE TO TEST PROPORTIONS. PLACE THE TEMPLATE'S 1:1 SQUARE OVER THE X OF O, WHICHEVER IS NARROW. IF THE CHARACTER IS NOT WIDER THAN THE 110% RECTANGLE, NOR NARROWER THAN THE 60% RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 1:10 RECTANGLE TO DETERMINE IF THE STROKE OF THE I IS TOO BROAD, AND THE 1:20 RECTANGLE TO SEE IF IT IS TOO NARROW. IF ALL TESTS ARE PASSED, THE TYPESTYLE IS COMPLIANT WITH PROPORTION CODE. LOWER CASE CHARACTERS ARE PERMITTED.



6. CHARACTER HEIGHT - VISUAL CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEWING DISTANCE FROM WHICH THEY ARE TO BE READ, PER TABLE 11B-703.5.5 (REPRODUCED BELOW). THE HEIGHT IS MEASURED USING AN UPPER-CASE "I". LOWERCASE CHARACTERS ARE PERMITTED.

7. FINISH AND CONTRAST OF SYMBOL: CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTER ON A LIGHT BACKGROUND. CBC 11B-703.5.1

8. RAISED CHARACTERS AND PICTORIAL SYMBOL SIGNS. WHEN RAISED CHARACTERS OR SYMBOLS ARE USED, THEY SHALL CONFORM TO THE FOLLOWING:

- A. TYPE: LETTER TYPE: LETTERS AND NUMBERS ON SIGNS SHALL BE RAISED 1/32 INCH MINIMUM AND SHALL BE SANS-SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CALIFORNIA CONTRACTED GRADE 2 BRAILLE. CBC SECTION 11B-703.2 (SEE NOTE 3).
- B. SIZE: RAISED CHARACTERS OR SYMBOLS SHALL BE A MINIMUM OF 5/8" HIGH AND A MAXIMUM OF 2" HIGH.
- C. PICTORIAL SYMBOL SIGN (PICTOGRAMS): PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOUMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMNSION OF THE PICTOGRAM SHALL BE A MINIMUM OF 6 INCHES IN HEIGHT. PICTOGRAMS SHALL HAVE A NON-GLARE FINISH AND SHALL CONTRAST WITH THEIR FIELD.
- D. SPACING: CHARACTER SPACING SHALL BE 1/16 INCH MINIMUM AND 4 TIMES THE STROKE WIDTH MAXIMUM AT THE BASE, AND 1/8" MINIMUM AND 4 TIMES THE STROKE WIDTH MAXIMUM AT THE TOP. LINES SPACING SHALL BE 135% TO 170% OF THE RAISED CHARACTER HEIGHT. CBC 11B-703.2.

9. ENTRANCE SIGNS. ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES SHALL BE IDENTIFIED WITH AT LEAST ONE STANDARD SIGN AND WITH ADDITIONAL DIRECTIONAL SIGNS, AS REQUIRED, TO BE VISIBLE TO PERSONS ALONG APPROACHING PEDESTRIAN WAYS.

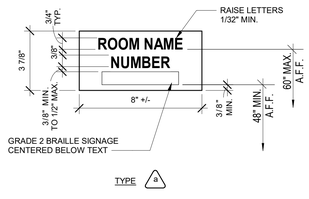
10. INFORMATION POSTED. BUILDINGS THAT HAVE BEEN REMODELED TO PROVIDE SPECIFIC SANITARY FACILITIES AND/OR ELEVATORS FOR PUBLIC USE THAT CONFORM TO THESE BUILDING STANDARDS SHALL HAVE THIS INFORMATION POSTED IN THE BUILDING LOBBY, PREFERABLY AS PART OF THE BUILDING DIRECTORY.

11. MOUNTING LOCATION AND HEIGHT FOR TACTILE SIGNAGE: WHERE DIRECTION OR IDENTIFICATION SIGNS ARE PROVIDED FOR INTERIOR OR EXTERIOR ROOMS, SPACES, OR FACILITIES, RAISED LETTERS SHALL ALSO BE PROVIDED AND SHALL BE ACCOMPANIED BY BRAILLE. CBC SECTION 11B-216.2. 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 TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE ON THE LATCH SIDE OF A SINGLE DOOR OR THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. EXIT SIGNAGE SHALL BE LOCATED ON THE APPROACH SIDE OF THE DOOR AS ONE EXITS THE SPACE. MOUNTING HEIGHT SHALL BE 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR TO THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS AND 48" MINIMUM ABOVE FINISHED FLOOR TO THE BASELINE OF THE LOWEST BRAILLE CELLS. MOUNTING LOCATION SHALL BE DETERMINED SO THAT AN 18" X 18" CLEAR SPACE IS PROVIDED CENTERED ON THE TACTILE CHARACTERS AND BEYOND ANY DOOR SWING. CBC SECTION 11B-703.4.

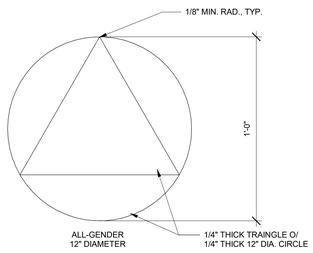
12. ALL SIGNS (AT MAIN ENTRANCES, TOILETS, PERMANENT ROOMS AND ASSISTIVE LISTENING SYSTEM(S), ETC.) SHALL COMPLY WITH TITLE 24, INCLUDING SECTION 11B-703.

TABLE 11B-703.5.5 VISUAL CHARACTER HEIGHT

HEIGHT TO FINISH FLOOR OR GROUND FROM BASELINE OF CHARACTER	HORIZONTAL VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT
40 IN. TO 70 IN.	LESS THAN 72 IN.	5/8 IN.
	72 IN. AN5/8 IN., PLUS 1/8 IN. PER FT. OF VIEWING DISTANCE ABOVE 72 IN.	
GREATER THAN 70 IN. TO 120 IN.	LESS THAN 180 IN.	2 IN.
	180 IN. A2 IN., PLUS 1/8 IN. PER FT. OF VIEWING DISTANCE ABOVE 180 IN.	
GREATER THAN 120 IN.	LESS THAN 21 FT.	3 IN.
	21 FT. AN3 IN., PLUS 1/8 IN. PER FT. OF VIEWING DISTANCE ABOVE 21 FT.	

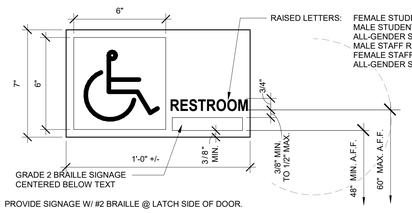


TYPE a



NOTE #1: MOUNT ON DOOR, SEE MOUNTING INSTRUCTION

NOTE #2: COLOR OF TRIANGLE SHALL CONTRAST WITH COLOR OF CIRCLE. COLOR OF CIRCLE SHALL CONTRAST WITH COLORS OF TRIANGLE AND DOOR. COLORS TO BE SELECTED BY THE ARCHITECT.

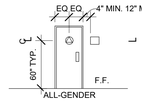


NOTE # 1: PROVIDE SIGNAGE W/ #2 BRAILLE @ LATCH SIDE OF DOOR.

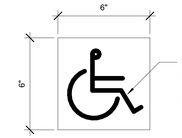
NOTE #2: COLOR & CONTRAST OF SIGN SHALL BE DISTINCTLY DIFFERENT FROM COLOR & CONTRAST OF THE DOOR. COLOR TO BE SELECTED BY THE ARCHITECT.

NOTE #3: SEE DETAIL BELOW FOR INDIVIDUAL SIGNAGE MOUNTING HEIGHT.

NOTE #4: WHEREVER USED, ISA PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1



TYPE b
CONSISTS OF BOTH DOOR SYMBOL AND TACTILE JAMB SIGN



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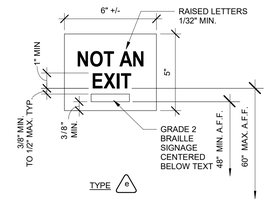
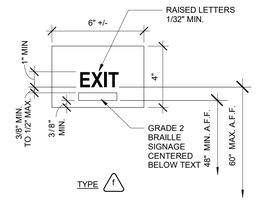


TYPE e

TYPE d



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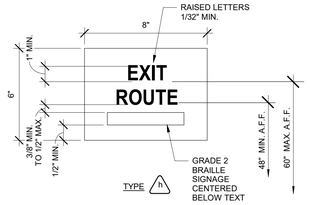

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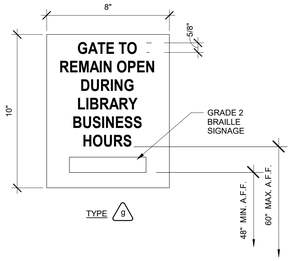

TYPE g

1 SIGNAGE NOTES
3" = 1'-0"

2 TYPICAL SIGNAGE
3" = 1'-0"

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

MEINERS OAKS ELEMENTARY SCHOOL - PUBLIC LIBRARY CONVERSION

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Drawn By:	Author
Project No.:	18637

No.	Date	Issue
	8/2/2022	DSA Submittal 2

A9.60

DETAILS SIGNAGE

GENERAL NOTES:

1. GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE PLANS, PRIOR TO COMMENCING WORK.
2. COORDINATE STRUCTURAL DETAILS & DIMENSIONS WITH RELATED REQUIREMENTS ON OTHER DRAWINGS.
3. THE ARCHITECT WILL INTERPRET THE INTENT OF THE DOCUMENTS IN CASE OF A POSSIBLE CONFLICT OR DISCREPANCY BETWEEN STRUCTURAL AND OTHER DISCIPLINES.
4. DETAILS NOTED AS "TYPICAL" OR "TYP" SHALL APPLY IN ALL CASES WHETHER OR NOT SPECIFICALLY REFERENCED.
5. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 EDITION OF THE CALIFORNIA BUILDING CODE (CBC).
6. FOUNDATION DESIGN IS BASED UPON MINIMUM REQUIREMENTS OF THE CBC:
   A. ALLOWABLE SOIL BEARING PRESSURE: 1500 PSF
7. MATERIAL REQUIREMENTS:

A. CONCRETE:	F'C = 3000 PSI AT 28 DAYS **SPECIAL INSPECTION REQUIRED.**
B. CONCRETE BLOCK:	ASTM C90 GRADE N-1 (NORMAL WEIGHT) NO SPECIAL INSPECTION REQUIRED (f'm= 1500psi) GROUT: f'c= 2,000 psi, MORTAR: f'c=1800psi
C. REINFORCING STEEL:	ASTM A615, #4 & SMALLER – GRADE 40, #5 & LARGER – GRADE 60
D. STRUCTURAL STEEL:	ALL STRUCTURAL STEEL SHALL COMPLY WITH ASTM A36, TYP U.N.O., STRUCTURAL TUBES SHALL COMPLY WITH ASTM A500, GRADE B. STRUCTURAL PIPES SHALL COMPLY WITH ASTM A53, GRADE B.
E. MACHINE BOLTS:	ASTM A307
F. ANCHOR BOLTS:	ASTM A307
G. TIMBER FASTENERS:	SIMPSON STRONGTIE, USP STRUCTURAL CONNECTORS OR APPROVED EQUAL.
H. SAWN TIMBER:	ALL LUMBER SHALL BE GRADE MARKED, NO. 2 DOUGLAS FIR-LARCH OR BETTER, EXCEPT AS NOTED ON FRAMING NOTE 2 OR PLAN.
I. GLU-LAMINATED BEAMS:	ALL GLU-LAMINATED MEMBERS SHALL BE FAB-RICATED IN ACCORDANCE WITH BUILDING DEPT. STANDARDS. A CERTIFICATE OF INSPECTION IS TO BE SUBMITTED TO THE BUILDING DEPT. PRIOR TO ERECTION. ALL GLU-LAMINATED BEAMS SHALL BE 24F.
J. LVL OR PSL LUMBER:	Fb=2850 PSI, Fv=285 PSI, E=2,000,000 PSI (ESR-1387, ESR-1040 OR ESR 1225)
K. I-JOISTS:	TJI PRO SERIES BY TRUSS JOIST (ESR-1153) BOISE CASCADE (ESR-1336) OR PWI JOIST BY PACIFIC WOODTECH CORP (ESR-1225)
L. PLYWOOD/OSB SHTG:	U.S. PRODUCT STANDARD 2-10, APA WALL: APA STRUCTURAL 1 RATED, EXPOSURE 1 ROOF: 15/32" CDX, (PSR-24/0), EXPOSURE 1 FLOOR: 3/4" T&G UNDERLAYMENT GRADE, (PSR-32/16)
M. HARDY FRAME:	ICC-ES NO. ESR-2089
N. MECH ANCHORS:	REFER TO 10/S1, TYPICAL.
O. EPOXY ANCHORS:	REFER TO 5/S1, TYPICAL **SPECIAL INSPECTION REQUIRED.** A REPORT SHALL BE GIVEN TO THE BUILDING INSPECTOR AT FRAMING INSPECTION. REFER TO NOTE 10 ON 4/S1.

8. STRUCTURAL DESIGN LOADS:

A. ROOF LOADS:	DEAD LOAD = 18 PSF LIVE LOAD = 20 PSF
B. WALL LOADS:	EXTERIOR WOOD FRAMING = 16 PSF INTERIOR WOOD FRAMING = 9 PSF
C. SEISMIC DESIGN:	OCCUPANCY CATEGORY = II SEISMIC IMPORTANCE FACTOR = 1.0 S_{MS} = 1.885 S_{MT} = 0.713 S_{DS} = 1.51 S_{D1} = 0.81 SEISMIC DESIGN CATEGORY = D SEISMIC FORCE RESISTING SYSTEM = LIGHT FRAMED WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE OR STEEL SHEETS. DESIGN BASE SHEAR = 0.29W C_S = 0.29W R = 6.5 ANALYSIS PROCEDURE = "EQUIVALENT LATERAL FORCE PROCEDURE"
D. WIND DESIGN:	BASIC WIND SPEED = 100 M.P.H. WIND IMPORTANCE FACTOR = 1.0 WIND EXPOSURE = C INTERNAL PRESSURE COEFFICIENT = ±0.18 DESIGN WIND PRESSURE = 21.54 PSF

FOUNDATION NOTES:

1. ALL CONCRETE SHALL HAVE 3000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS. **SPECIAL INSPECTION REQUIRED.**
2. ALL HOLDDOWN ANCHORS SHALL BE FIRMLY HELD IN PLACE BY A TEMPLATE PRIOR TO PLACING CONCRETE. EXACT HOLDDOWN LOCATION MUST BE COORDINATED BETWEEN CONCRETE AND FRAMING CONTRACTOR.
3. ALL REINFORCING STEEL SHALL COMPLY WITH MATERIAL REQUIREMENTS NOTED ABOVE. PLACING OF REINFORCING STEEL SHALL COMPLY WITH CHAPTER 19 OF THE CALIFORNIA BUILDING CODE.
4. ALL SHEAR WALL SILL PLATE ANCHOR BOLTS SHALL HAVE 3" X 3" X ¼" STEEL PLATE WASHERS, TYPICAL.

FRAMING NOTES:

1. ALL FRAMING AND CARPENTRY SHALL BE DONE IN ACCORDANCE WITH THOSE APPLICABLE SECTIONS OF CHAPTER 23 OF THE LATEST ADOPTED EDITION OF THE CALIFORNIA BUILDING CODE AND DETAILS INDICATED ON THE DRAWINGS.
2. ALL STRUCTURAL LUMBER SHALL BE DOUGLAS FIR GRADE IN ACCORDANCE WITH THE LATEST EDITION OF "GRADING AND DRESSING RULES #16 OF THE WEST COAST LUMBER INSPECTION BUREAU" OF THE FOLLOWING GRADES:
   A. RAFTERS AND JOISTS..... NO. 2 AND BETTER, U.N.O.
   B. BEAMS..... NO. 1 AND BETTER, U.N.O.
   C. POSTS..... NO. 1 AND BETTER, U.N.O.
   D. LVL POST (ESR-1387)..... F_b = 2,500 psi, F_v = 285 psi, E = 2,000,000 psi
   E. STUDS, PLATES, ALL OTHERS.... STUD GRADE, U.N.O.
3. WOOD BEARING DIRECTLY ON CONCRETE SHALL BE PRESSURE TREATED DOUGLAS FIR OR FOUNDATION GRADE REDWOOD. ALL CUT SURFACES OF PRESSURE TREATED DOUGLAS FIR SHALL BE COATED WITH A COPPER NAPTHANATE MATERIAL.
4. STRUCTURAL MEMBERS WILL NOT BE CUT FOR PIPE, CONDUIT, ETC.
5. 2X SOLID BLOCKING SHALL BE PLACED BETWEEN JOISTS OR RAFTERS AND AT ALL SUPPORTS.
6. ALL BOLTS SHALL HAVE FLAT WASHERS UNDER HEAD AND NUT.
7. ALL PLYWOOD & OSB EXPOSED TO WEATHER SHALL BE EXTERIOR GRADE.
8. ALL NAILS SHALL BE COMMON NAILS INSTALLED IN CONFORMANCE WITH CBC TABLE 2304.10.1.
9. ALL WEATHER EXPOSED SURFACES SHALL HAVE WEATHER RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING & ALL EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF PER CBC SECTION 1405.2.
10. FIRE BLOCK STUD WALLS AT 10' INTERVALS (HORIZONTAL AND VERTICAL), ENCLOSED AND CONCEALED SPACES, AND AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, BETWEEN ATTIC AND CHIMNEY CHASE, AT STAIR STRINGERS, AND SIMILAR PLACES AT CEILING AND FLOOR LEVELS

SPECIAL INSPECTIONS

1. SPECIAL INSPECTIONS AND SUBSEQUENT REPORTS SHALL BE REINFORCED IN CONFORMANCE WITH SECTION 1704 OF THE 2019 CBC AT THE OWNERS EXPENSE.
2. ALL SPECIAL INSPECTIONS SHALL BE MADE BY AN INDEPENDENT INSPECTION AGENCY SUBJECT TO APPROVAL BY THE BUILDING DEPARTMENT, AND SHALL BE PAID BY THE OWNER.
3. THE FOLLOWING WORK SHALL BE PERFORMED UNDER CONTINUOUS DEPUTY INSPECTION IN THE PRESENCE OF THE OWNER'S SPECIAL INSPECTOR.
   A. PLACEMENT OF CONCRETE WITH f'c = 3,000 PSI & GREATER
   B. INSTALLATION OF EPOXY GROUTED DOWELS
   C. FIELD WELDING OF STRUCTURAL STEEL.
4. THE FOLLOWING WORK SHALL BE PERFORMED UNDER PERIODIC DEPUTY INSPECTION IN THE PRESENCE OF THE OWNER'S SPECIAL INSPECTOR.
   A. SHEARWALL NAILING WHERE FASTENER SPACING IS 4" O.C. OR LESS.
   B. ROOF AND FLOOR DIAPHRAGM NAILING WHERE FASTENER SPACING IS 4" O.C. OR LESS.
   C. DRAG STRUT AND HOLDDOWN CONNECTIONS.
5. SPECIAL INSPECTION & PROFESSIONAL OBSERVATION REPORTS SHALL BE SUBMITTED TO THE OWNER, ENGINEER, AND DEPARTMENT OF BUILDING & SAFETY NO LATER THAN SEVEN (7) WORKING DAYS FROM THE DATE OF INSPECTION/OBSERVATION.

STRUCTURAL OBSERVATION PROGRAM

THE OWNER SHALL EMPLOY THE ENGINEER REGISTERED/LICENSED IN THE STATE OF CALIFORNIA WHO IS RESPONSIBLE FOR THE STRUCTURAL DESIGN TO DO THE STRUCTURAL OBSERVATION.

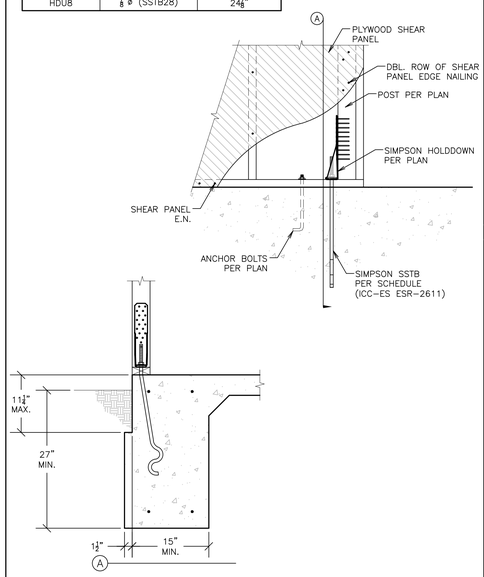
PROJECT ENGINEERS: JAMES VINCI, S.E. S-4411

THE ENGINEER RESPONSIBLE FOR THE STRUCTURAL OBSERVATION, THE CONTRACTOR, AND APPROPRIATE SUBCONTRACTORS SHALL HOLD A PRE-CONSTRUCTION MEETING TO REVIEW THE DETAILS OF THE STRUCTURAL SYSTEM TO BE STRUCTURALLY OBSERVED.

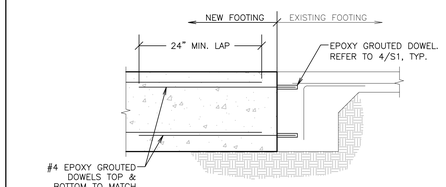
THE FOLLOWING ITEMS SHALL BE OBSERVED AT EACH PHASE OF CONSTRUCTION:

FOUNDATION:	ANCHORS, HOLDOWNS, STEEL PLACEMENT, FOOTING DIMENSIONS
ROOF & FLOOR NAILING:	FRAMING MEMBER SIZE, SHEATHING GRADE & THICKNESS, NAIL SIZE AND PLACEMENT.
EXTERIOR FRAMING PRIOR TO PREWRAP:	SHEAR WALL CONSTRUCTION (PLY E.N., HOLDDOWNS, SHEAR TRANSFER, ETC.) FRAMING MEMBERS, CONNECTIONS, ETC.
FINAL OBSERVATION:	ALL STRUCTURAL ELEMENTS

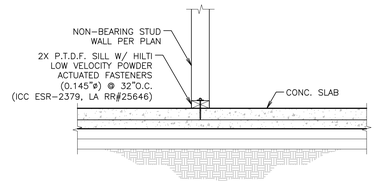
HOLDDOWN ANCHOR SPECIFICATION SCHEDULE		
HOLDDOWN	ANCHOR SIZE	EMBEDMENT
HTT4	7/8"ø (SSTB20)	16 1/8"
HTT5	7/8"ø (SSTB24)	20 1/8"
HDU4	7/8"ø (SSTB20)	16 1/8"
HDU5	7/8"ø (SSTB24)	20 1/8"
HDU8	1"ø (SSTB28)	24 1/8"



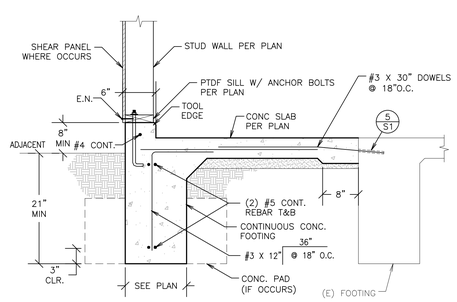
HOLDDOWN DETAIL 9



FOOTING CONNECTION DETAIL 14



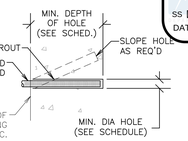
CONNECTION OF NON-BEARING WALL 19



PERIMETER FOOTING WITH CURB DETAIL 24

PROCEDURE

1. DRILL HOLE OF PROPER DIAMETER AND DEPTH USING A CARBIDE TIPPED DRILL OR CORING BIT. AVOID ANY EXISTING REINFORCING STEEL BY RELOCATING HOLE SLIGHTLY.
2. CLEAN HOLE THOROUGHLY BY AIR PRESSURE.
3. MAKE SURE THAT HOLE IS DRY AND CLEAN BEFORE GROUTING.
4. PLACE EPOXY GROUT IN HOLE w/ CAULKING GUN OR SIMILAR EQUIPMENT STARTING AT BOTTOM, FILL HOLE APPROX. ¾ FULL..
5. COAT DOWEL WITH SAME EPOXY GROUT AND INSERT INTO HOLE, FORCING MATERIAL AROUND THE SIDES OF THE BAR AND COMPLETELY FILLING ALL VOIDS.
6. PROVIDE SUPPORT FOR DOWEL BY TYING TO REBAR OR OTHER ELEMENT UNTIL GROUT HAS CURED.
7. EPOXY GROUT IN CMU SHALL BE SIMPSON SET EPOXY TE (ESR 1772, LARR 25279), HILTI HIT-HY 150 MAX (ESR 1967, LARR 25881), AC100+ GOLD BY DEWALT (ESR 3200, LARR 26049)
8. EPOXY GROUT IN CONCRETE SHALL BE HIT-RE 500-SD BY HILTI CORP. (ESR 2322, LARR 25700), SIMPSON SET-XP (ESR-2508, LARR 03151) OR PURE110+ BY DEWALT (ICC ESR 3298, LARR 26035)
9. **SPECIAL INSPECTION REQUIRED**
10. SPECIAL INSPECTION IS REQUIRED FOR THE INSTALLATION OF EPOXY ADHESIVE ANCHORS. A REPORT SHALL BE GIVEN TO THE BUILDING INSPECTOR AT FRAMING INSPECTION.



BAR SIZE	ROD SIZE	BIT DIAM.	MIN. DEPTH
#3	–	1/2"	4"
#4	1/2"	5/8"	5"
#5	5/8"	3/4"	6"
#6	3/4"	7/8"	7"
–	7/8"	1"	8"
–	1"	1-1/8"	9"

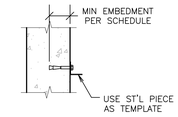
TYPICAL EPOXY GROUTED DOWELS / ANCHORS 5

DRILLED EXPANSION TYPE ANCHOR BOLTS SHALL BE USED ONLY WHERE DETAILED OR FOR ATTACHMENT OF MECH. ELEC. OR MISC. ACCESSORIES OR EQUIPMENT TO THE STRUCTURE.

ACCEPTABLE WEDGE ANCHORS:
1. HILI-KWIK-BOLT-TZ (ICC ESR-1917, LARR 25701) IN NORMAL WT CONC.
2. ITW RAMSET/REDHEAD TRUBOLT+ (ICC ESR-2427, LARR 2748) IN NORMAL WT CONC.
3. SIMPSON STRONG-BOLT 2 (ICC ESR-3037, LARR 25891) IN NORMAL WT CONC.
4. SIMPSON WEDGE-ALL (ICC ESR 1396, LARR 24682) IN MASONRY ONLY.
5. DEWALT POWER-STUD+SD2 (ESR 2502, LARR 25831) IN NORMAL WT CONC.
6. DEWALT POWER-STUD+SD1 (ESR 2818, LARR 25864) IN CMU

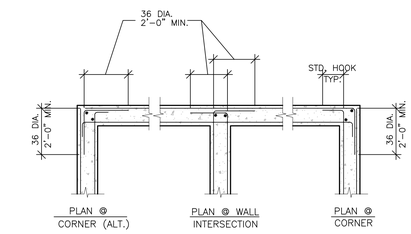
ACCEPTABLE SCREW ANCHORS:
1. SIMPSON TITEN HD SCREW ANCHOR (ICC ESR-2713, LARR 25741) IN NORMAL WT CONC.
2. SIMPSON TITEN HD SCREW ANCHOR (ICC ESR-1056, LARR 25560) IN CMU
3. DEWALT SCREW-BOLT+ (ICC ESR-3889) IN CONCRETE
4. DEWALT SCREW-BOLT+ (ICC ESR-4042) IN CMU

DRILLED BOLT SCHEDULE					
BOLT DIAMETER		3/8"	1/2"	5/8"	3/4"
MIN. EMBEDMENT		3"	4"	4"	5"
TEST: DIRECT-PULL TENSION (FT.LBS)	HARD ROCK	1100	2000	2300	3700
TEST: TORQUE WRENCH (FT.LBS)	HARD ROCK	25	50	80	50



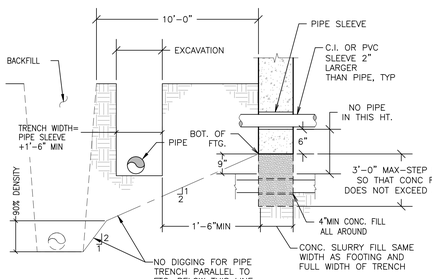
SPECIAL INSPECTION REQUIRED FOR INSTALLATION OF MECHANICAL ANCHORS ONLY WHERE UTILIZED TO RESIST SEISMIC FORCES, TYPICAL.

TYPICAL MECHANICAL ANCHOR DETAIL 10



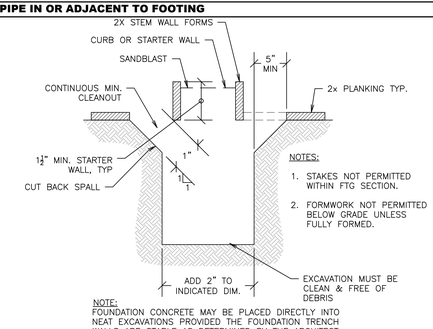
NOTES: 1. WHERE SINGLE LAYER OF REINF. OCCURS BEND REINF. AS SHOWN FOR OUTSIDE BARS.
2. USE 48 DIA. AT MASONRY WALLS IN LIEU OF 36 DIA.

REINFORCING AT CORNERS & INTERSECTIONS 15



NOTE: 1. CONCRETE SLURRY FILL TO BE MADE BEFORE FOOTING IS POURED
2. PIPES MORE THAN 3'-0" BELOW BOTTOM OF FOOTING TRENCH MAY BE BACKFILLED WITH CONTROLLED, COMPACTED FILL.

PIPE IN OR ADJACENT TO FOOTING 20



NOTE:
FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE ARCHITECT (STRUCTURAL ENGINEER), SUBJECT TO THE APPROVAL OF THE OFFICE OF STATE ARCHITECT.

TYPICAL DETAIL AT FORMWORK 25

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

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REGISTERED PROFESSIONAL ENGINEER
JAMES RICHARD VINCI
No. S4411
Exp. 12/31/23
STRUCTURAL
STATE OF CALIFORNIA
Sep 30, 2022

MEINERS OAKS ELEMENTARY SCHOOL-PUBLIC LIBRARY CONVERSION

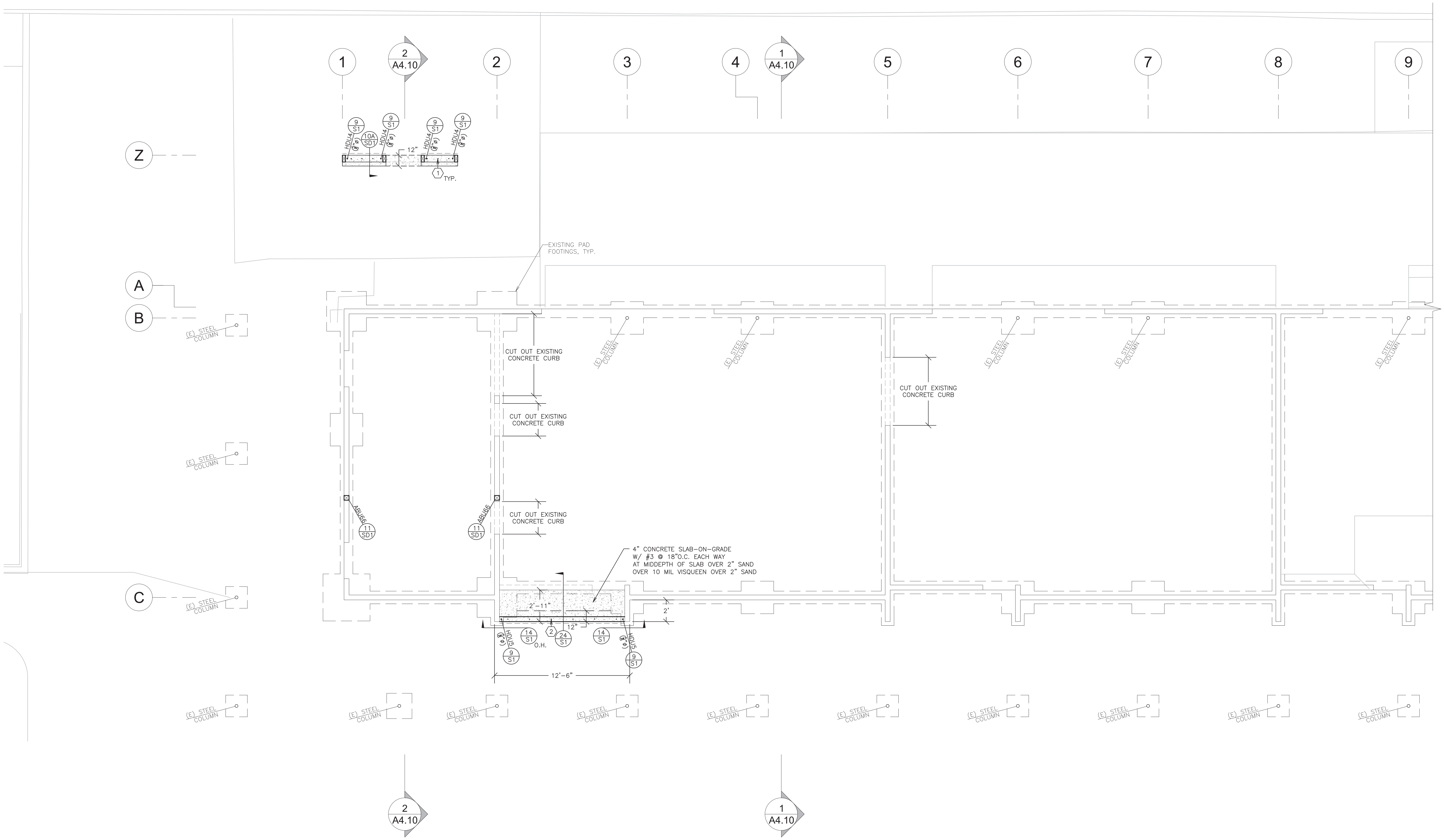
400 S. LOMITA AVE.
OJAI, CA 93023

Project No.:	21-6029
Date:	12.23.2021
Drawn By:	JWB
Engineered By:	JRV
Reviewed By:	JRV

Date	Issue
1.10.2022	DSA SUBMITTAL
4.21.2022	REDUCED SCOPE
7.18.2022	DSA RESPONSE

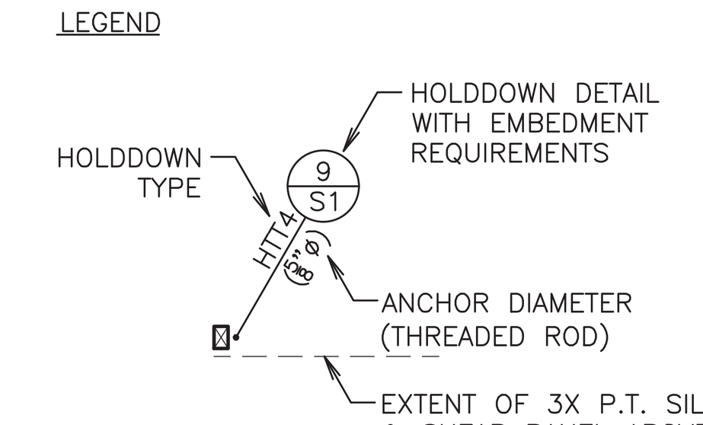
S1

GENERAL NOTES & DETAILS



REFER TO ARCHITECTURAL PLANS FOR DIMENSIONS

LEGEND



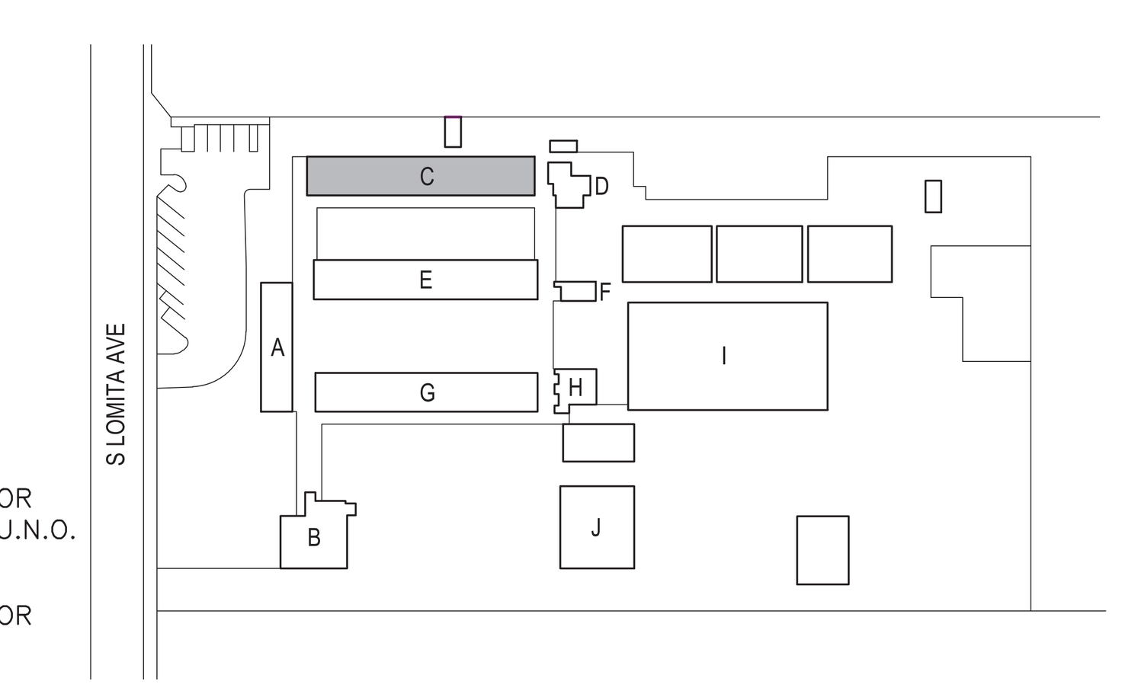
ANCHOR BOLT SCHEDULE*

1	5/8"Ø X 14" A.B. @ 32"O.C. TYP U.N.O. OR 5/8"Ø X 6" MIN. EMBEDDED MECHANICAL (10/S1) OR EPOXY ANCHORS (5/S1) BOLTS @ 32"O.C. TYP U.N.O.
2	5/8"Ø X 14" A.B. @ 24"O.C. OR 5/8"Ø X 6" MIN. EMBEDDED MECHANICAL (10/S1) OR EPOXY ANCHORS (5/S1) BOLTS @ 24"O.C.

***ALL SHEAR WALL SILL ANCHORS SHALL HAVE 3" X 3" X 1/4" STEEL PLATE WASHERS, TYP.**

NOTE:

1. REFER TO SHEET S1 FOR TYPICAL FOUNDATION NOTES



PARTIAL FOUNDATION PLAN

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

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REGISTERED PROFESSIONAL ENGINEER
JAMES RICHARD VINCI
No. S4411
Exp. 12/31/23
STRUCTURAL
STATE OF CALIFORNIA
Sep 30, 2022

MEINERS OAKS ELEMENTARY SCHOOL-PUBLIC LIBRARY CONVERSION

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OJAI, CA 93023

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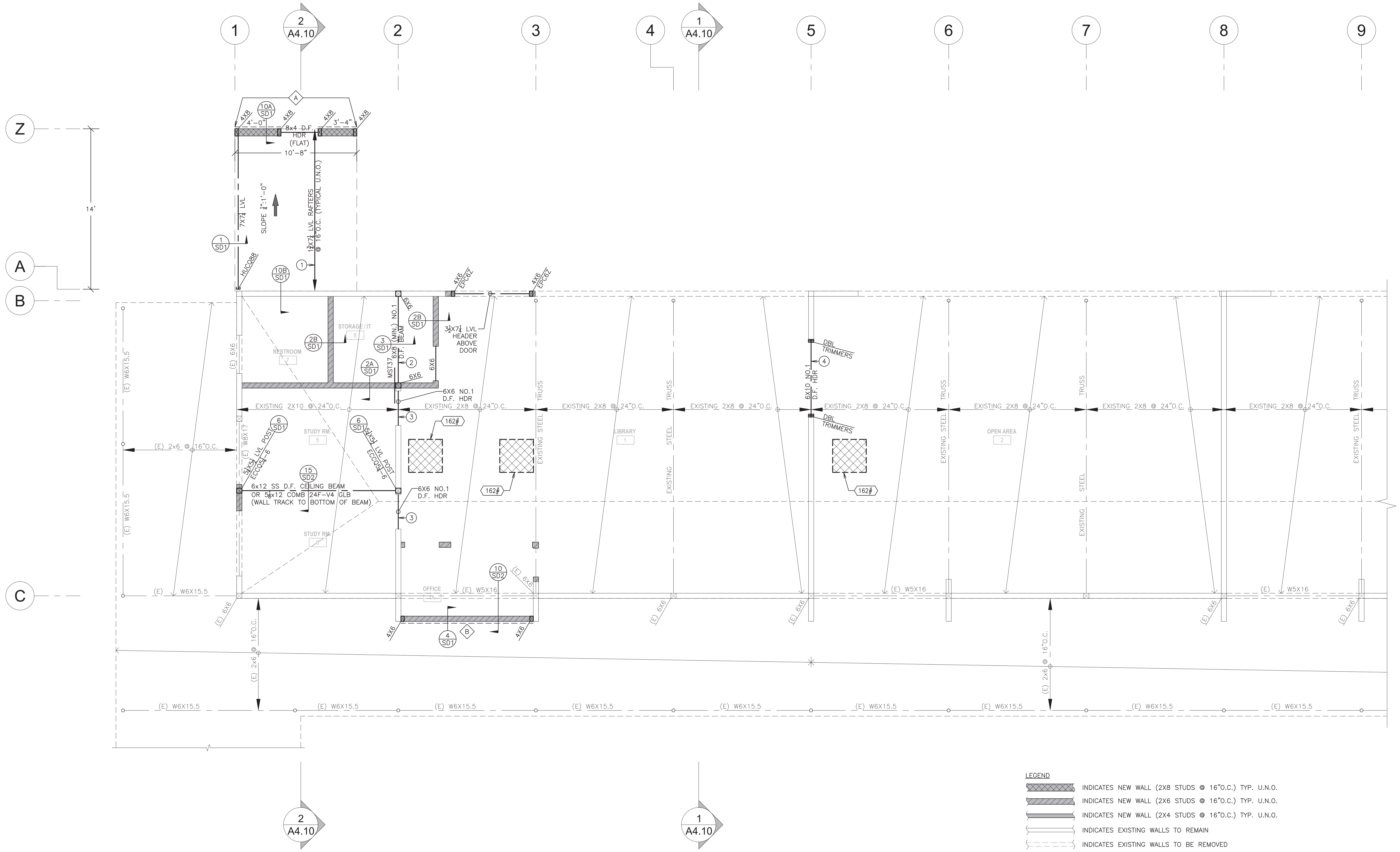
Drawn By:	JWB
Engineered By:	JRV
Reviewed By:	JRV

Date	Issue
1.10.2022	DSA SUBMITTAL
4.21.2022	REDUCED SCOPE
7.18.2022	DSA RESPONSE

S2

PARTIAL FOUNDATION PLAN



LEGEND

- INDICATES NEW WALL (2X8 STUDS @ 16"O.C.) TYP. U.N.O.
- INDICATES NEW WALL (2X6 STUDS @ 16"O.C.) TYP. U.N.O.
- INDICATES NEW WALL (2X4 STUDS @ 16"O.C.) TYP. U.N.O.
- INDICATES EXISTING WALLS TO REMAIN
- INDICATES EXISTING WALLS TO BE REMOVED

LENGTH OF SHEAR PANEL USED IN CALCULATIONS
SHEARWALL TYPE. REFER TO SHEARWALL SCHEDULE ON 25/SD1
EXTENT OF SHEAR PANEL
SHEAR WALL MARK

(8) BEAM PER CALCULATIONS

(A) ABOVE
(B) BELOW

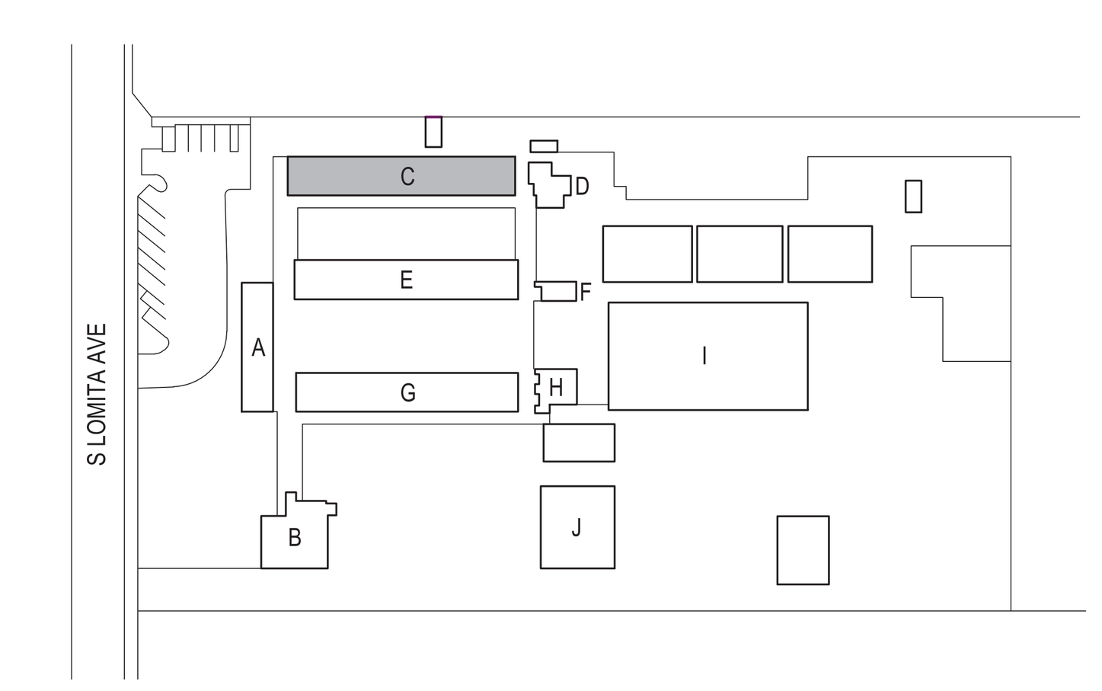
EXISTING ROOF RAFTERS TO REMAIN

EXISTING CEILING JOISTS TO REMAIN

1000# — OPERATING WEIGHT
EQUIPMENT PLATFORM PER 9/SD1

ROOF SHEATHING: $\frac{15}{32}$" CDX (PSR 24/0) EXTERIOR GRADE PLYWOOD OR OSB W/ 8d COMMON @ 6/12

NOTES:
1. REFER TO SHEET S1 FOR TYPICAL FRAMING NOTES.
2. REFER TO 16/SD1 FOR SHEAR WALL SCHEDULE.



PARTIAL ROOF FRAMING PLAN

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

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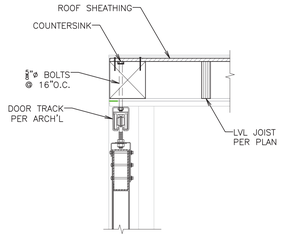
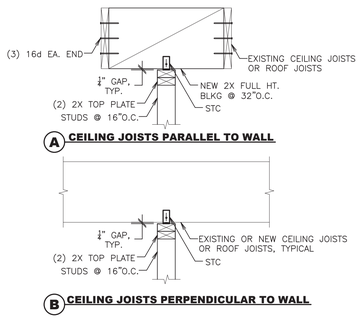
7.18.2022	DSA RESPONSE

S3

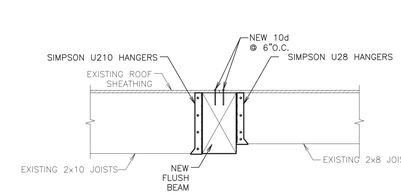
PARTIAL ROOF FRAMING PLAN



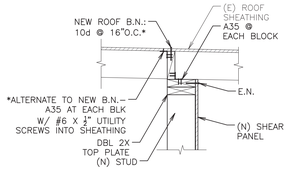
SECTION AT HANGING GATE | 1



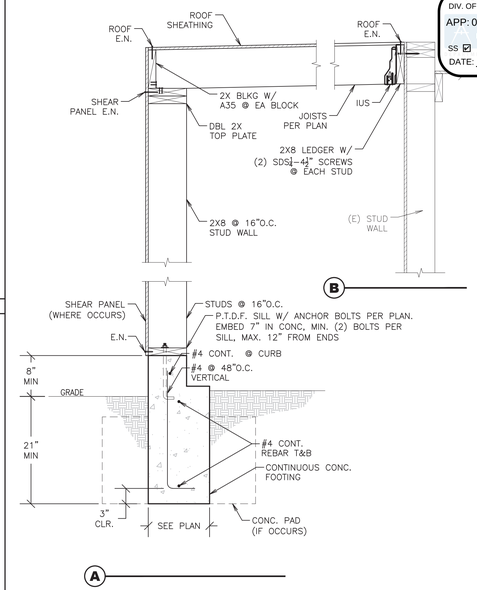
CONNECTION OF NON-BEARING WALLS | 2



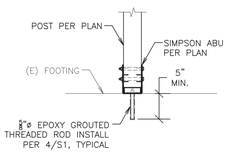
SECTION AT NEW BEAM | 3



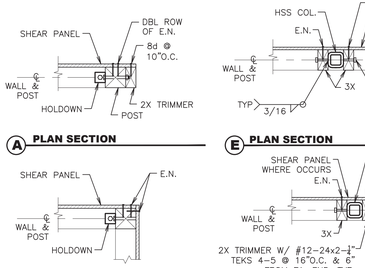
SHEAR TRANSFER DETAIL | 4



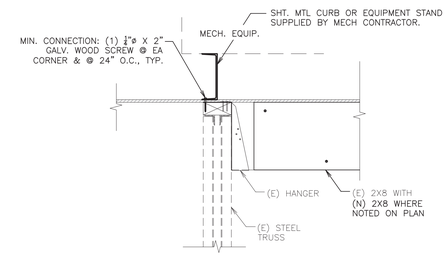
SECTION AT CANOPY | 10



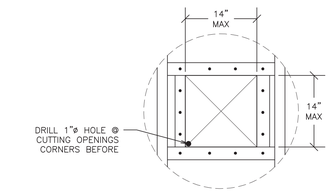
POST TO FOOTING DETAIL | 11



PLAN DETAILS AT SHEAR WALL | 12

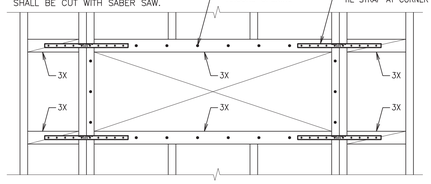


EQUIPMENT CURB DETAIL | 9



NOTES:

1. NO OPENINGS OVER ONE STUD WIDTH TO OCCUR IN PLYWOOD SHEAR PANELS UNLESS DETAILED ON STRUCTURAL ELEVATIONS. OPENINGS IN PLYWOOD SHALL BE CUT WITH SABER SAW.



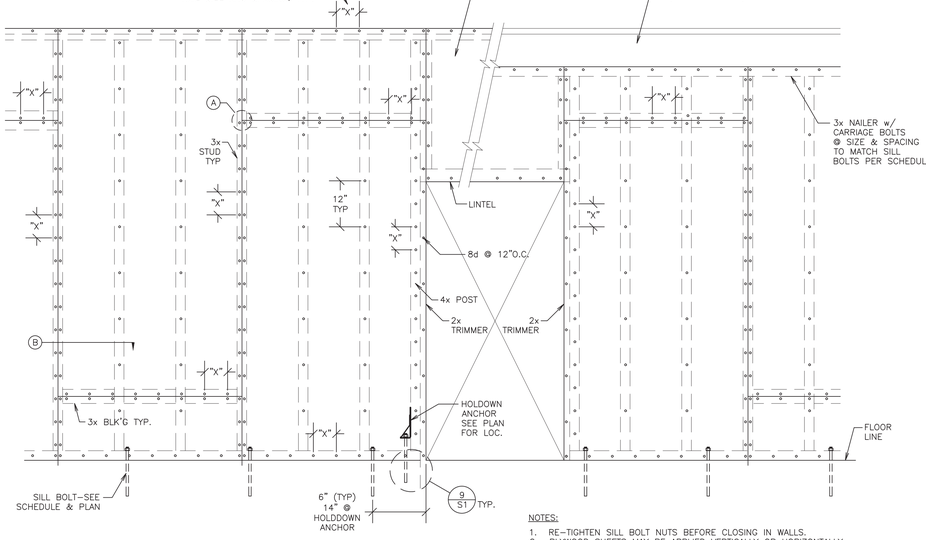
POST TO BEAM DETAIL | 6

16

SILL BOLT REQUIREMENTS

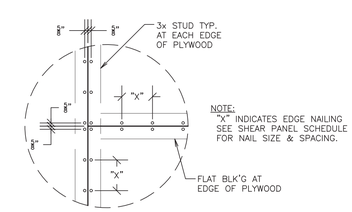
1. PROVIDE A MINIMUM SILL BOLT EMBEDMENT OF 7" BELOW FINISH FLOOR OR TOP OF CURB
2. PROVIDE AN ADDITIONAL SILL BOLT 6 INCHES FROM EACH END OF EACH PIECE OF SILL PLATE.
3. WHERE SILL PLATES ARE BORED OR NOTCHED IN EXCESS OF 1/3 OF THE SILL PLATE WIDTH, PROVIDE ADDITIONAL SILL BOLTS 6 INCHES EACH SIDE OF BORE OR NOTCH.
4. SET ALL SILL BOLTS WITH A SETTING TEMPLATE BEFORE PLACING CONCRETE STABBING OR PUSHING OF SILL BOLTS INTO WET CONCRETE IS EXPRESSLY PROHIBITED.
5. PROVIDE A MINIMUM SILL BOLT PROJECTION ABOVE THE CONCRETE AS SHOWN ON DETAIL C.

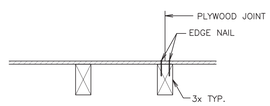
21 | **SILL PLATE DETAILS** | **22**



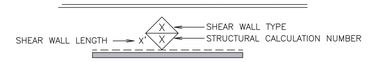
NOTES:

1. RE–TIGHTEN SILL BOLT NUTS BEFORE CLOSING IN WALLS.
2. PLYWOOD SHEETS MAY BE APPLIED VERTICALLY OR HORIZONTALLY AT CONTRACTOR'S OPTION.
3. INDIVIDUAL PIECE OF PLYWOOD SHALL BE NOT LESS THAN 2'–0" IN LEAST DIMENSION NOR 8 SQ. FT. IN AREA.
4. WOOD STUD WALL CONSTRUCTION:
   A) ALL STUDS AND HEADERS SHALL BE GRADE MARKED.
   B) SILL PLATES SHALL BE 3X PRESSURE TREATED DF #1.
5. FOR OPENINGS IN PLYWOOD SHEATHING, REFER TO DETAIL 2/S4
6. FOR NAILING AT SPLICE, REFER TO Ⓐ & Ⓑ





SHEAR WALL SCHEDULE



TYPE	A[1]	B[1]*	C[1]*	D[1]*
MATERIAL[2]	15/32" STRUCT 1	15/32" STRUCT 1	15/32" STRUCT 1	15/32" STRUCT 1
EDGE[3] NAILING	10d COMMON @ 6"O.C.	10d COMMON @ 4"O.C.	10d COMMON @ 3"O.C.	10d COMMON @ 2"O.C.
FIELD NAILING	10d COMMON @ 12"O.C.	10d COMMON @ 12"O.C.	10d COMMON @ 12"O.C.	10d COMMON @ 12"O.C.
ANCHOR[5] BOLTS	⅝" @ 32"O.C.	⅝" @ 24"O.C.	⅝" @ 16"O.C.	⅝" @ 16"O.C.
STUDS &[4] BLOCKING	3X	3X	3X	4X
SILL[4] NAILING	16d @ 6"O.C.	16d @ 4"O.C.	16d @ 3"O.C.	SIMPSON SDS ¼ X 4½" @ 4"O.C.
A35 / LTP4 SPACING	24" O.C.	16" O.C.	12" O.C.	9" O.C.
ALLOW DESIGN LOAD[6]	340	510*	665*	870*

1. STUDS AND BLOCKING PER SCHEDULE ARE REQUIRED AT ALL PLYWOOD EDGES ONLY. STAGGER NAILS IN TOP PLATES. USE 2X SILL PLATE AT SECOND FLOOR & 3X PRESSURE TREATED AT FOUNDATION. USE 14" LONG ANCHOR BOLTS EXTENDING 4½" OUT OF CONCRETE. 2X STUD FRAMING MAY BE UTILIZED AT INTERMEDIATE FRAMING.
2. PLYWOOD OR OSB APPLIED OVER STUDS AT 16"O.C.
3. ALL NAILS SHALL BE COMMON NAILS. NAILING AT INTERMEDIATE MEMBERS SHALL BE SPACED AT 12"O.C.
4. BASED UPON 2018 NDS, TABLE 12N
5. ALL EXTERIOR FOOTINGS SHALL HAVE ⅝" DIAMETER ANCHOR BOLTS AT 48"O.C.
6. BASED UPON 2015 SDPWS, TABLE 4.3A

* SPECIAL INSPECTION REQUIRED.

25 | **SHEAR WALL CONSTRUCTION**

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

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REGISTERED PROFESSIONAL ENGINEER
JOSEPH RICHARD VINCI
No. S4411
Exp. 12/31/23
STRUCTURAL
STATE OF CALIFORNIA

Sep 30, 2022

MEINERS OAKS ELEMENTARY SCHOOL– PUBLIC LIBRARY CONVERSION

400 S. LOMITA AVE.
OJAI, CA 93023

Project No.:	21-6029
Date:	12.23.2021
Drawn By:	JWB
Engineered By:	JRV
Reviewed By:	JRV

Date	Issue
1.10.2022	DSA SUBMITTAL
4.21.2022	REDUCED SCOPE
7.18.2022	DSA RESPONSE

SD1

STRUCTURAL DETAILS

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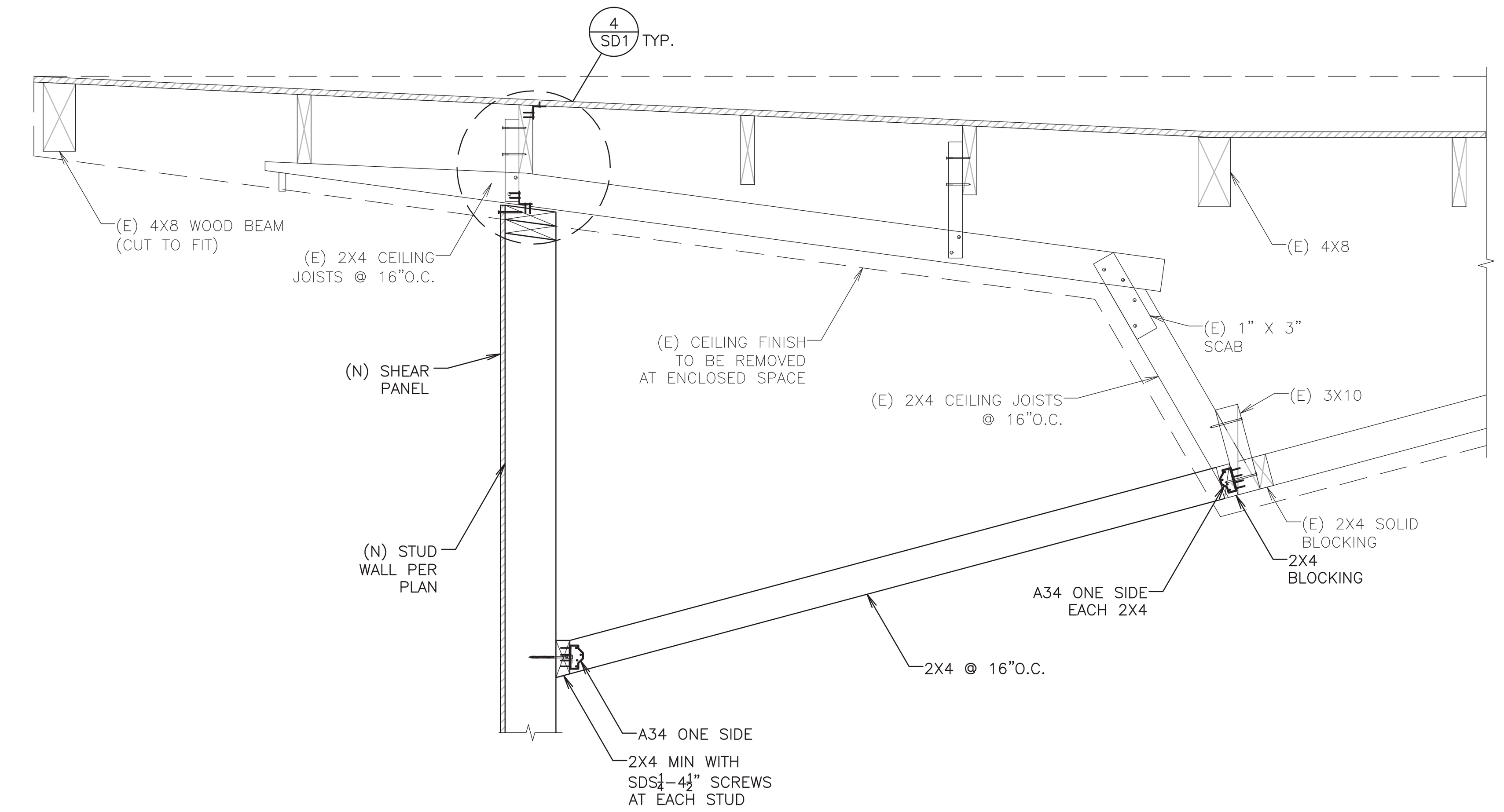
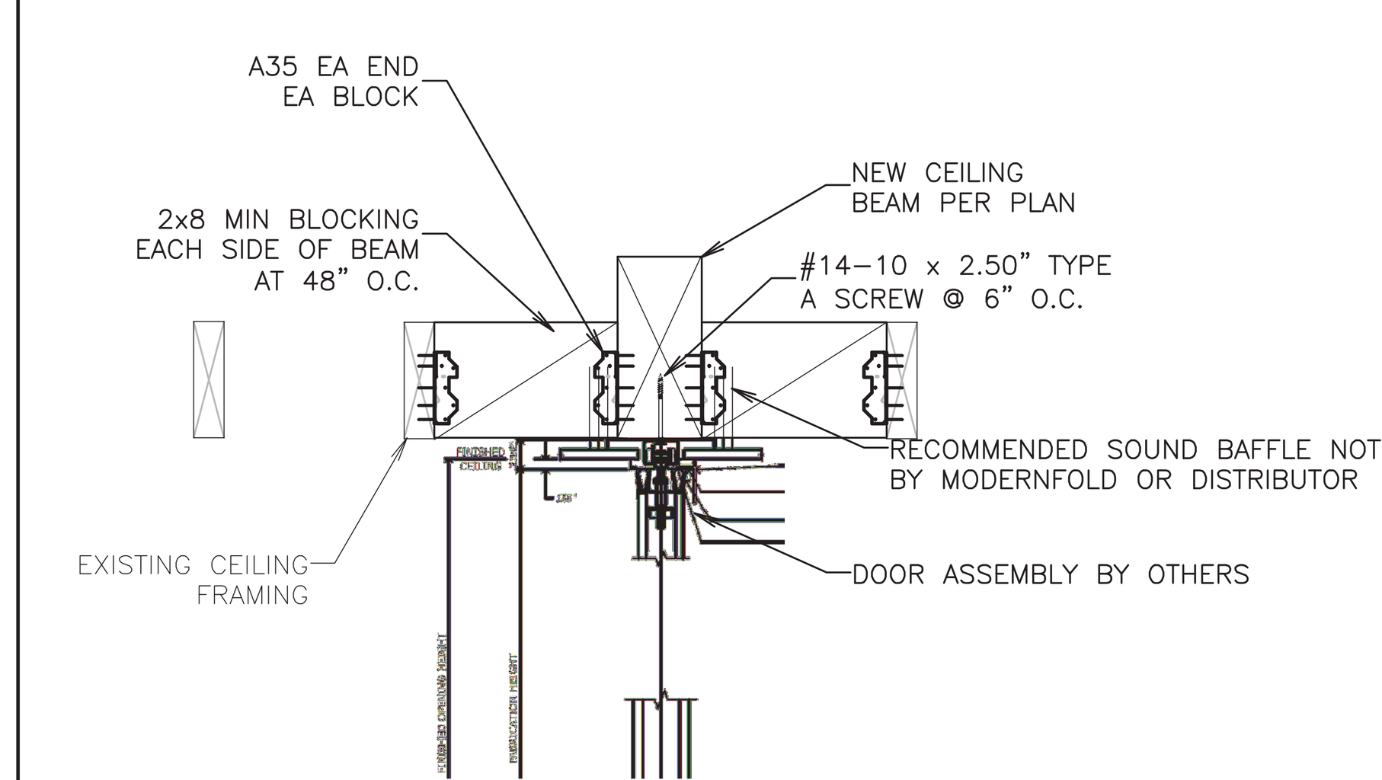


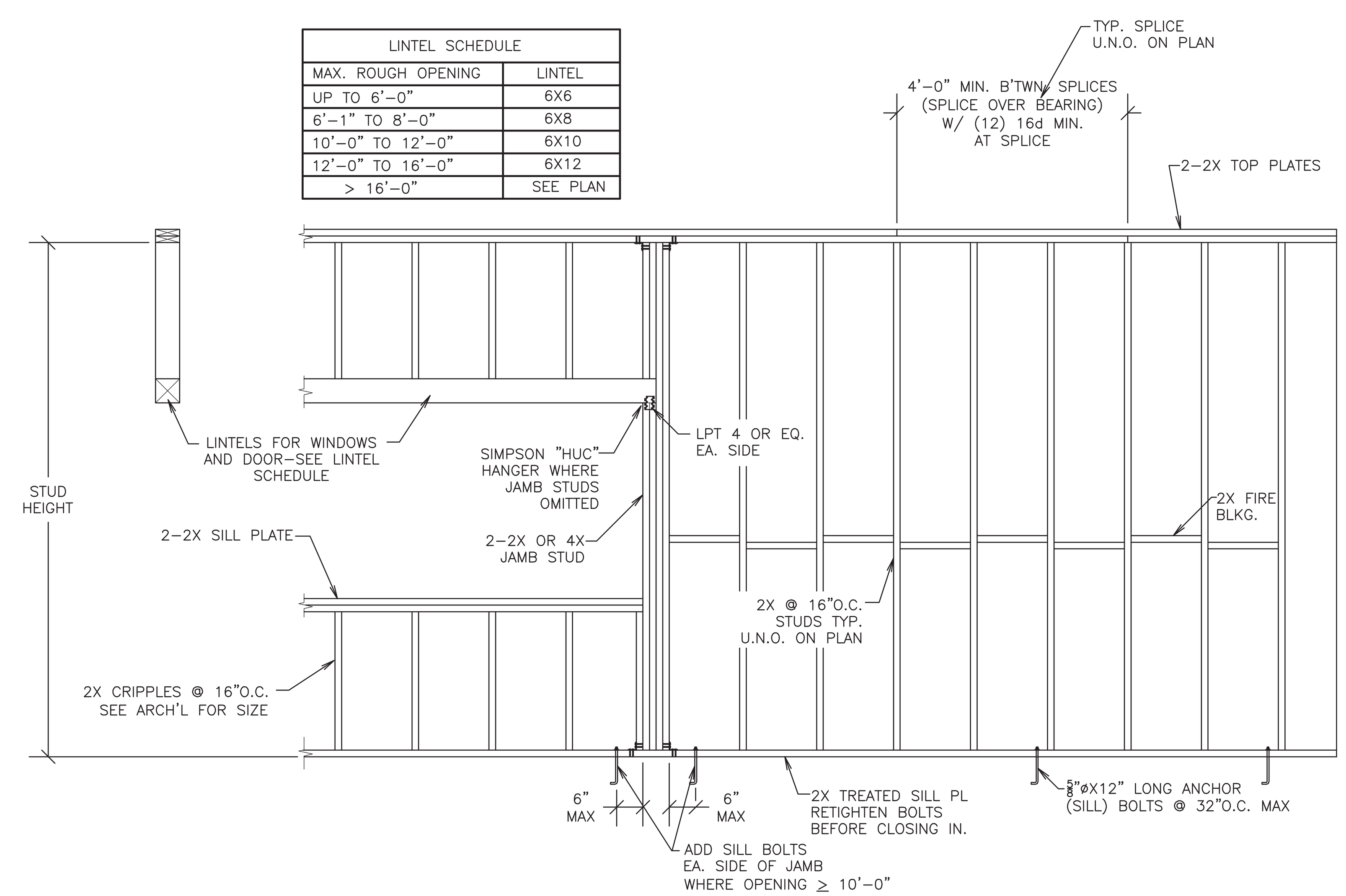
SECTION AT NEW CEILING INFILL 10

- 14



FOLDING PARTITION CONNECTION DETAIL 15

LINTEL SCHEDULE	
MAX. ROUGH OPENING	LINTEL
UP TO 6'-0"	6X6
6'-1" TO 8'-0"	6X8
10'-0" TO 12'-0"	6X10
12'-0" TO 16'-0"	6X12
> 16'-0"	SEE PLAN



TYPICAL STUD WALL CONSTRUCTION 25

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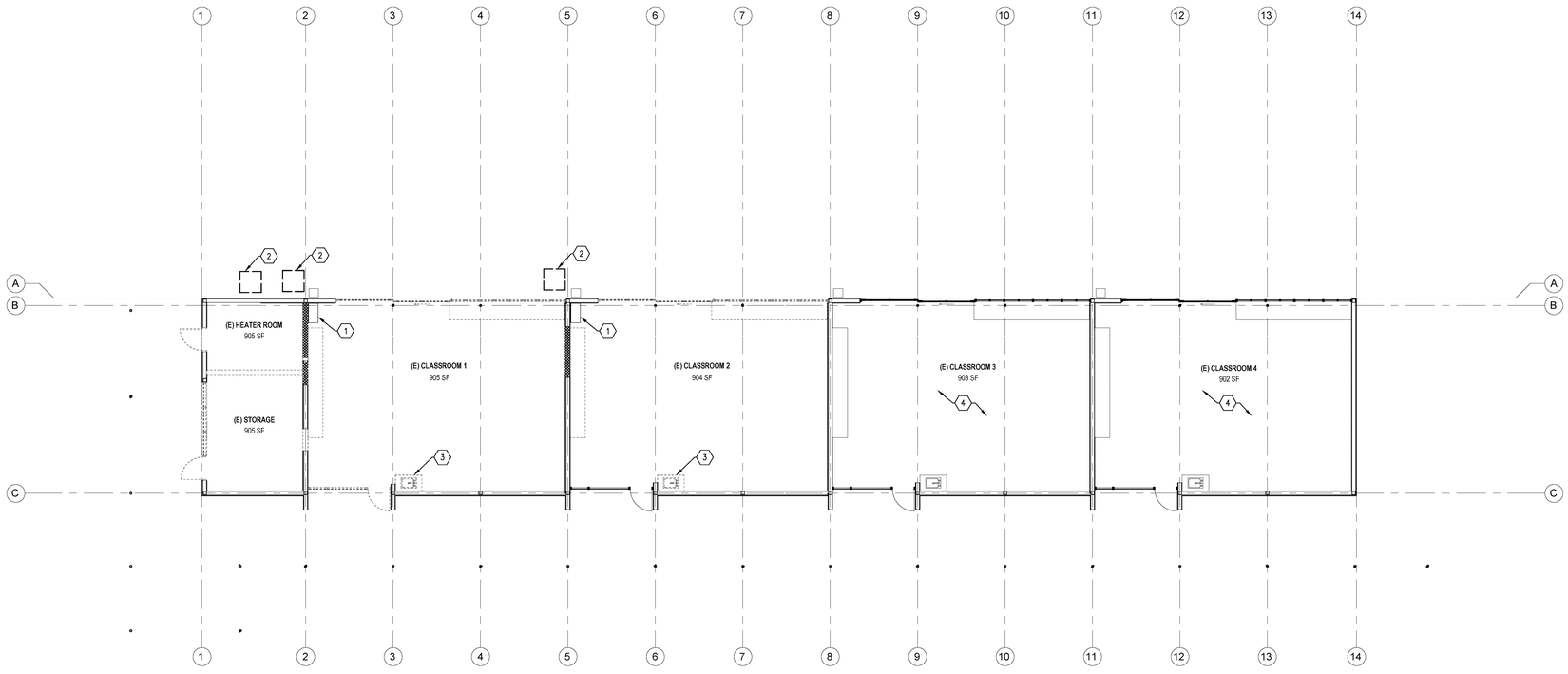
7.18.2022	DSA RESPONSE

SD2

CANOPY DETAILS



N

1 MECHANICAL DEMOLITION PLAN

1/8" = 1'-0"

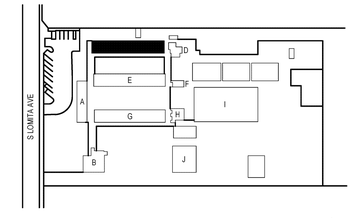
DEMOLITION GENERAL NOTES

1. THE ARCHITECTURAL DRAWINGS ARE TO BE USED ONLY AS A GUIDELINE FOR DEMOLITION. THE CONTRACTOR MUST VISIT THE SITE PRIOR TO BIDDING TO VERIFY ALL WORK REQUIRED FOR A COMPLETE JOB AND INCLUDE THE COST OF SUCH WORK IN HIS BID.
2. THE MECHANICAL DRAWINGS ARE INTENDED TO SHOW ONLY THE GENERAL EXISTING BUILDING CONSTRUCTION WITHIN THE AREA OF DEMOLITION. THE DRAWINGS DO NOT SHOW ALL SYSTEMS, QUANTITIES, SIZES, OBSTRUCTIONS, ETC., AND ARE NOT INTENDED TO BE USED BY THE CONTRACTOR TO DEFINE THE COMPLETE SCOPE OF DEMOLITION. THE CONTRACTOR MUST FIELD VERIFY THE ACTUAL BUILDING AND SYSTEMS CONDITIONS TO DEFINE ALL ELEMENTS WITHIN THE SCOPE OF DEMOLITION.
3. EXAMINE AREAS AND CONDITIONS UNDER WHICH DEMOLITION WORK MUST BE PERFORMED. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES PERFORMING DEMOLITION WORK AND/OR DEMOLITION WORK PERFORMED BY THE OWNER. IN EVERY INSTANCE OF DEMOLITION AND/OR REMODELING, THE CONTRACTOR SHALL FIGURE A COMPLETE JOB AS NONE OTHER SHALL BE ACCEPTED.
4. THE EXTENT OF WORK SHOWN OR NOT SHOWN SHALL INCLUDE REMOVAL AND LEGALLY DISPOSE OFF SITE, ALL THE ITEMS AND SYSTEMS BEING REMOVED.
5. THIS CONTRACTOR SHALL RETAIN ON THE PREMISES IN NEATLY STACKED PILES WHERE INSTRUCTED FOR SELECTION BY THE OWNER, ALL MATERIAL, WIRE, FIXTURES AND/OR EQUIPMENT WHICH ARE SPECIFIED TO BE REMOVED OR REPLACED. ALL SUCH ITEMS, NOT SELECTED FOR SALVAGE BY THE OWNER, SHALL BECOME THE PROPERTY OF THIS CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES AND LEGALLY DISPOSED.
6. CONFORM TO ALL APPLICABLE CODES FOR DEMOLITION OF ITEMS AND SYSTEMS, SAFETY OF ADJACENT SYSTEMS, DUST CONTROL, LEGAL RUN-OFF CONTROL, DISPOSAL AND ALL ITEMS NECESSARY TO COMPLETE THE WORK COMPLETELY.
7. DEMOLITION SHALL BE DONE IN A MANNER SO AS NOT TO DAMAGE ADJACENT WORK AND NOT AFFECT THE OPERATION OF SYSTEMS TO REMAIN IN USE. ANY ITEM TO REMAIN THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AND/OR REPAIRED AT THE CONTRACTOR'S EXPENSE.
8. DEMOLITION AND CUTTING SHALL BE DONE IN A MANNER WHICH DOES NOT DEFORM OR APPLY LOADS TO THE EXISTING FRAMING AND EQUIPMENT OF THE BUILDING TO REMAIN.
9. ALL WALLS, CEILINGS, FLOORS, ETC., BEING DISTURBED BY THE WORK SHALL BE RETURNED TO FINISHED CONDITIONS TO MATCH EXISTING BY THE CONTRACTOR AND CONTRACTOR SHALL DO HIS OWN CUTTING AND PATCHING AS NECESSARY UNDER HIS CONTRACT.
10. THE CONTRACTOR SHALL MAINTAIN EXISTING SERVICES TO AND IN THE EXISTING AREA AS REQUIRED.
11. THE EXISTING SYSTEMS TO REMAIN ARE TO BE SUPPORTED AS REQUIRED UNTIL THE MODIFIED ELEMENTS ARE INSTALLED AND SUPPORTED.
12. IF NECESSARY, THE CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES IN THE EXISTING AREAS.
13. EXISTING SLABS SHALL BE SAW-CUT IN A MANNER THAT DOES NOT CAUSE THE STEEL FRAMING OR THE REBAR SUPPORTING THE SLAB TO BE CUT. CONTRACTOR SHALL FIELD VERIFY SLAB THICKNESS AND REBAR SPACING.
14. EXISTING SLABS SHALL BE CORE DRILLED AT REENTRANT CORNERS OF NEW FLOOR OPENINGS TO PREVENT OVER CUTTING. IF EXISTING SLAB IS A STRUCTURAL SLAB, CONTRACTOR SHALL CONTACT ENGINEER ON HOW TO PROCEED.
15. THE ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ELECTRIC SERVICE TO ALL MECHANICAL EQUIPMENT BEING REMOVED AS A RESULT OF THE RENOVATION.
16. EQUIPMENT AND DEVICES SHALL BE REMOVED COMPLETE INCLUDING HANGERS, SUPPORTS, CONTROLS, CONDUIT, WIRE, PIPES, DUCTWORK, ETC. WIRING SHALL BE DISCONNECTED AT CIRCUIT BREAKERS, REMOVED AND BREAKERS MARKED "SPARE."
17. ALL OPEN ENDED PIPING AND DUCTWORK THAT IS TO REMAIN SHALL BE CAPPED AND PROPERTY SECURED.
18. ANY EXISTING PIPES, DUCTWORK, CONDUIT, LOW VOLTAGE CONTROL WIRING AND/OR ELECTRICAL AND MECHANICAL DEVICES BEING DISTURBED BY THE WORK SHALL BE REWORKED BY THIS CONTRACTOR AS REQUIRED TO RETURN TO ITS FORMER EXISTING OPERATING CONDITION.
19. ANY PIPES OR DUCTWORK, OR CONTROL WIRING, OR TUBING FEEDING THROUGH DEVICES OR EQUIPMENT BEING RELOCATED, REWORKED, OR ABANDONED AND SERVING OTHER DEVICES, AND/OR EQUIPMENT SHALL BE MAINTAINED IN WORKING CONDITION.
20. ANY ASBESTOS REMOVAL IF REQUIRED WILL BE HANDLED BY THE OWNER AND IS NOT A PART OF THIS WORK.
21. EXISTING ARCHITECTURAL, MECHANICAL AND ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE PROTECTED FROM DAMAGE RESULTING FROM DEMOLITION.
22. CONTRACTOR SHALL SUBMIT A PROPOSED DECONSTRUCTION SEQUENCE TO THE OWNER AND ARCHITECT FOR REVIEW PRIOR TO COMMENCEMENT OF WORK.
23. CONTRACTOR SHALL PROTECT ALL EXISTING RETURN DUCTWORK AND TRANSFER AIR OPENINGS WITH DISPOSABLE FILTERS DURING CONSTRUCTION. FILTERS SHALL BE OF THE DISPOSABLE TYPE AND SHALL BE MERV 8. REPLACE EXISTING BUILDING UNIT FILTERS AFTER CONSTRUCTION IS COMPLETE.

(X) CODED NOTES

1. DISCONNECT AND REMOVE ALL SUPPLY DUCTWORK FROM INDOOR UNIT. REFER TO DRAWING M1.00 FOR NEW DUCTWORK LAYOUT. EXISTING RETURN AIR GRILLES TO REMAIN AND BE CLEANED TO LIKE NEW CONDITION.
2. DISCONNECT AND REMOVE ALL POWER AND CONTROL WIRING ETC., FROM OUTDOOR UNIT AND MAKE SAFE FOR SYSTEM RELOCATION. REFER TO DRAWING M1.00 FOR NEW LOCATION.
3. REMOVE EXISTING SINK IN ITS ENTIRETY. CAP EXISTING SANITARY, VENT, AND CW AT MAINS.
4. NO HVAC OR PLUMBING WORK IN THIS AREA.

KEY PLAN



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8.1.22

MEINERS OAKS ELEMENTARY SCHOOL-
PUBLIC LIBRARY CONVERSION

400 S Lomita Ave,
Ojai, CA 93023

Project No:	19837
Drawn By:	JPU
Date	Issue
4/27/2022	DSA SUBMITTAL

MD1.00

MECHANICAL
DEMOLITION PLAN

SPLIT SYSTEM SCHEDULE

AIR HANDLER UNIT			COOLING DATA	HEATING DATA	FAN DATA			ELECTRICAL DATA		
MARK	MANUFACTURER	MODEL	TOTAL MBH	GAS MBH	TOTAL CFM	O.A. CFM	E.S.P. "WC	POWER V/PH	MOCP	NOTES
(E)AHU-1	ICP COMMERICAL	ENH4X36	36	EXISTING	1200	130	0.5	208/1	30	1
(E)AHU-2	GOODMAN	CAPF36	36	EXISTING	1200	200	0.5	208/1	30	1
(E)AHU-3	GOODMAN	CAPF36	36	EXISTING	1200	200	0.5	208/1	30	1

NOTES:
1. CONTRACTOR SHALL PERFORM ROUTINE SERVICE INSPECTION OF ALL EXISTING EQUIPMENT TO BE REUSED. LUBRICATE BEARINGS, SERVICE CONTROL SYSTEMS, REPLACE FAN BELTS AND INSTALL NEW FILTERS. SUBMIT SERVICE REPORT INDICATING CONDITION OF UNIT AND REPORT ANY COMPONENTS FAILURES OR MALFUNCTIONS. REPORT SHALL INCLUDE COST TO REPAIR ALL ITEMS INDICATED. EQUIPMENT SHALL BE PLACED IN FULL OPERATION UPON COMPLETION OF PROJECT.

CONDENSING UNIT			COOLING DATA			ELECTRICAL DATA			
MARK	MANUFACTURER	MODEL	TOTAL MBH	AMB. TEMP.	SEER	POWER V/PH	MCA	MOCP	NOTES
CU-1	GOODMAN	GSX14037	36	95	14.0	208/1	18.6	30	1
CU-2	GOODMAN	GSX14037	36	95	14.0	208/1	18.6	30	1
CU-3	GOODMAN	GSX14037	36	95	14.0	208/1	18.6	30	1

NOTES:
1. CONTRACTOR SHALL PERFORM ROUTINE SERVICE INSPECTION OF ALL EXISTING EQUIPMENT TO BE REUSED. LUBRICATE BEARINGS, SERVICE CONTROL SYSTEMS. SUBMIT SERVICE REPORT INDICATING CONDITION OF UNIT AND REPORT ANY COMPONENTS FAILURES OR MALFUNCTIONS. REPORT SHALL INCLUDE COST TO REPAIR ALL ITEMS INDICATED. EQUIPMENT SHALL BE PLACED IN FULL OPERATION UPON COMPLETION OF PROJECT.

FAN SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	TOTAL CFM	E.S.P. "WG	RPM	HP/WATT	POWER VOLT/PH	SONES	NOTES
EF-1	GREENHECK	SP-B110	EXHAUST	95	0.5	950	80W	115/1	2.0	1,2

NOTES:
1. PROVIDE WITH GRILLE, VIBRATION ISOLATION KIT, BACKDRAFT DAMPER, AND DISCONNECT.
2. FAN TO BE INTERLOCKED TO OPERATE WITH ROOM LIGHTS.

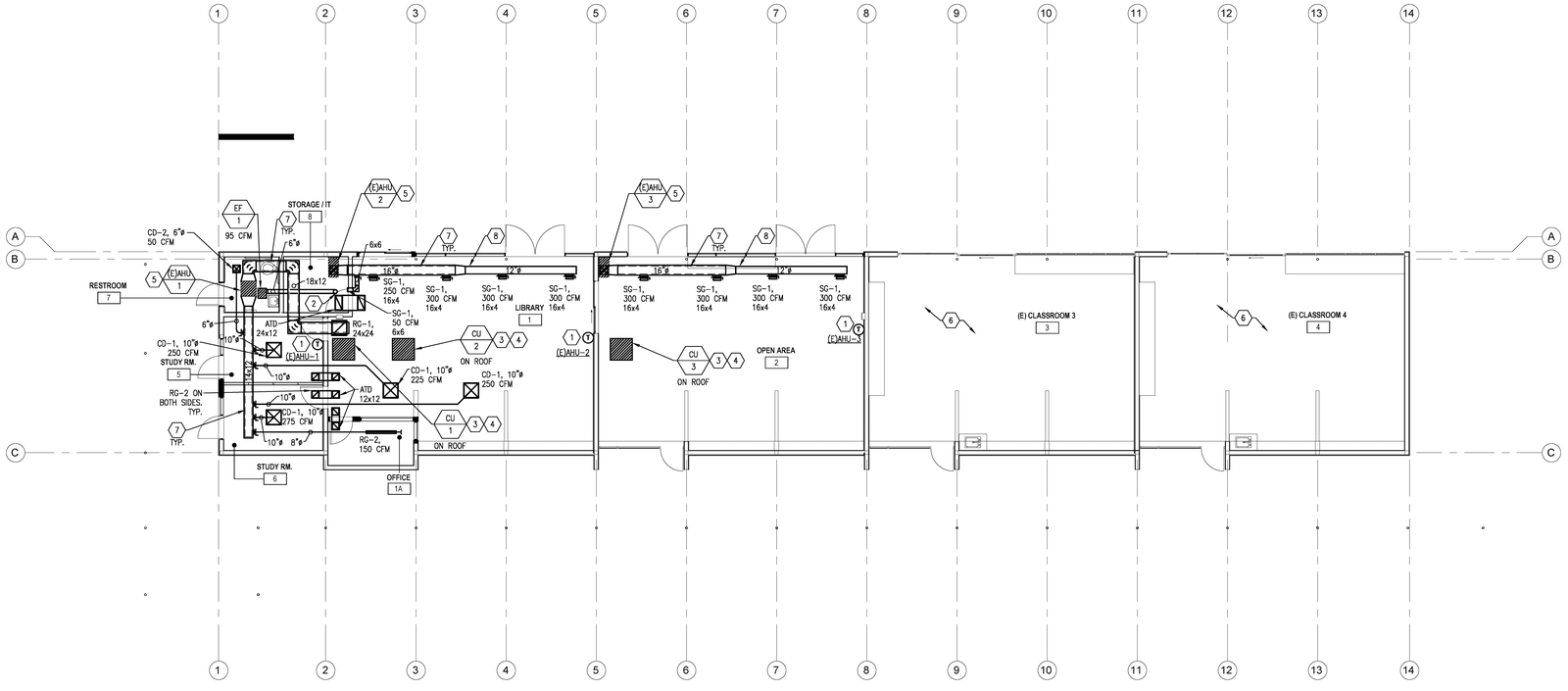
VENTILATION SCHEDULE based on CMC 2019

Zone Identification	Occupancy Category	Zone Floor Area A_z (ft^2)	Area Outdoor Airflow Rate R_a (CFM/ft^2)	People Outdoor Airflow Rate R_p (CFM/person)	Occupant Density (#/1000ft^2)	Zone Population P_z (People)	Zone Air Effectiveness E_z	Breathing Zone Outdoor Airflow V_{oz} (CFM)	Exhaust Rate (CFM/ft^2)	Required Exhaust Airflow (CFM)	Actual Provided Outdoor Airflow (CFM)	Actual Provided Exhaust Airflow (CFM)	Mechanical Unit
Library	Libraries	830	0.12	5	10	8	0.80	176	0	0	190	0	AHU-2
Office 1	Office Space	67	0.06	5	5	0	0.80	7	0	0	20	0	AHU-1
Study Room 5	Office Space	115	0.06	5	5	1	0.80	12	0	0	50	0	AHU-1
Study Room 6	Office Space	115	0.06	5	5	1	0.80	12	0	0	50	0	AHU-1
Restroom	Toilets - Public	53	0	0	0	0	0.80	0	50/70 Per Fixture	70	10	95	EF-1
Storage	Occupiable Storage Rooms for Dry Materials	64	0.06	5	2	0	0.80	6	0	0	10	0	AHU-2
Open Area	Libraries	875	0.12	5	10	9	0.80	186	0	0	200	0	AHU-3
Total:								399		70	530	95	

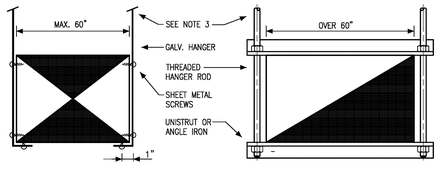
DIFFUSERS AND GRILLES

MARK	MANUFACTURER	MODEL	MATERIAL	FRAME	MAX NC	NOTES
CD-1	PRICE	SPD	STEEL	24"x24" SURFACE	25	1 – 7
CD-2	PRICE	SPD	STEEL	12"x12" SURFACE	25	1 – 7
SG-1	PRICE	520	STEEL	SURFACE	25	6, 8
RG-1	PRICE	530	STEEL	24"x24" SURFACE	–	1 – 7
RG-2	PRICE	SDS 2 – 3/4" SLOT 4'	STEEL	TYPE 16	25	6, 9

NOTES:
1. OPPOSED BLADE DAMPER
2. PROVIDE SQUARE TO ROUND NECK TRANSITIONS WHERE ROUND DUCTS SERVE SQUARE NECK DIFFUSERS OR GRILLES.
3. PROVIDE VOLUME DAMPER IN BRANCH DUCT RUNOUT WHERE CEILING IS ACCESSIBLE. O.B. DAMPER BEHIND GRILLE OR DIFFUSER IS REQUIRED WHERE DUCT BRANCH IS INACCESSIBLE. .
4. PAINT INTERIOR OF DUCTWORK BEHIND GRILLES AND DIFFUSERS FLAT BLACK IF VISIBLE THROUGH DEVICE.
5. CONTRACTOR SHALL CONFIRM EXACT LOCATION OF GRILLES WITH GENERAL CONTRACTOR PRIOR TO ANY WORK.
6. ALL GRILLES/DIFFUSERS SHALL BE WHITE.
7. PROVIDE SPT/APF FRAME FOR DRYWALL CEILING. REFER TO ARCHITECTURAL CEILING PLAN PRIOR TO ORDERING.
8. NARROW FRAME, DOUBLE DEFLECTION GRILLE, LONG DIMENSION FRONT BLADES, WITH OPPOSED BLADE DAMPER MOUNTED BEHIND DIFFUSER.
9. LINEAR SLOT DIFFUSER INSTALLED ON THE BOTTOM OF EXPOSED DUCT.



1 MECHANICAL PLAN
1/8" = 1'-0"



NOTES:
1. ON DUCTS OVER 48" WIDE, BOTTOM SHALL BE BRACED BY ANGLE. FOR CROSS SECTION AREA MORE THAN 8 SQ FT, DUCT SHALL BE BRACED BY ANGLES ON ALL FOUR SIDES.
2. CUTTING AND PATCHING SHALL BE LIMITED TO A MINIMUM AS REQUIRED FOR PROPER INSTALLATION.
3. SUPPORTS SHALL BE SPACED AND SIZED AS PER SMACNA.

1 DUCT HANGER SUPPORT
N.T.S.

MECHANICAL SYMBOL/ABBREVIATION LEGEND

SYMBOL	DESCRIPTION
	HUMIDISTAT
	REMOTE SENSOR
	TEMPERATURE SENSOR
	THERMOSTAT
RA	REVERSE ACTING THERMOSTAT
RTS	REMOTE TEST SWITCH
DS	DUCT SMOKE DETECTOR
	END OF CONTRACT, CONNECT TO EXISTING
F	FIRE DAMPER
S	SMOKE DAMPER
M	MOTORIZED DAMPER
	VOLUME DAMPER
CD	CEILING DIFFUSER
RG	RETURN GRILLE
EG	EXHAUST GRILLE
	AIRFLOW DIRECTION
	LOUVERED DOOR
	UNDERCUT DOOR
	SUPPLY (UP / DOWN)
	RETURN/O.A. (UP / DOWN)
	EXHAUST (UP / DOWN)
	TURNING VANES
	ACOUSTIC LINING
	SPIN-IN BRANCH W/MANUAL DAMPER
— COND —	A/C CONDENSATE DRAIN PIPING
— CHWR —	CHILLED WATER RETURN
— CHWS —	CHILLED WATER SUPPLY
— CWR —	CONDENSER WATER RETURN
— CWS —	CONDENSER WATER SUPPLY
— HHWR —	HOT WATER HEATING RETURN
— HHWS —	HOT WATER HEATING SUPPLY
— PD —	PUMP DISCHARGE PIPING
— RG —	REFRIGERANT GAS PIPING
— RL —	REFRIGERANT LIQUID PIPING
— RS —	REFRIGERANT SUCTION PIPING

ABBREVIATION	DESCRIPTION
ACU	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AL	ACOUSTICAL LINING
AHU	AIR HANDLING UNIT
CC	COOLING COIL
CD	CEILING DIFFUSER
CTE	CONNECT TO EXISTING
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
DDC	DIRECT DIGITAL CONTROL
EG	EXHAUST GRILLE
EAT	ENTERING AIR TEMPERATURE
EBH	ELECTRICAL BASEBOARD HEATER
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
EUH	ELECTRIC UNIT HEATER
FU	FURNACE
FD	FIRE DAMPER
FPC	FIRE PROTECTION CONTRACTOR
GC	GENERAL CONTRACTOR
LAT	LEAVING AIR TEMPERATURE
MAU	MAKE-UP AIR UNIT
MCA	MINIMUM CIRCUIT AMPICITY
MOD	MOTOR OPERATED DAMPER
MOCP	MAXIMUM OVERLOAD PROTECTION
OA	OUTSIDE AIR
RA	RETURN AIR
RG	RETURN GRILLE
REX	REMOVE EXISITING
RLA	RUNNING LOAD AMPS
RTU	ROOFTOP UNIT
SG	SUPPLY GRILLE OR DIFFUSER
SA	SUPPLY AIR
SR	SUPPLY REGISTER
VD	MANUAL VOLUME DAMPER
ATD	AIR TRANSFER DUCT

MECHANICAL GENERAL NOTES:

1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE AND OPERATION HEATING AND COOLING SYSTEM.
2. CONTRACTOR SHALL PROVIDE ALL REQUIRED HVAC PERMITS.
3. THE CONTRACTOR SHALL COMPLY WITH NFPA-90A AND ALL APPLICABLE CODES.
4. ALL HVAC WORK TO BE PERFORMED SHALL BE IN COMPLIANCE WITH ALL STATE AND LOCAL CODES.
5. FLEXIBLE DUCT SHALL COMPLY WITH SMACNA, ALL LOCAL CODES, U.L. RATING, AND NOT EXCEED FIVE FEET IN LENGTH, SHEET METAL DUCT, WHERE REQUIRED BY LOCAL CODES, SHALL BE LINED WITH 1" MATT FACED DUCTLINER IN THE FIRST 10 (TEN) FEET OF THE RETURN AND SUPPLY DUCT STARTING FROM THE HVAC UNIT. AFTER THE FIRST 10 (TEN) FEET THE USE OF 1" DUCT WRAP SHALL BE ACCEPTABLE WORK MATERIAL TO BE VERIFIED WITH CEILING ACCESSIBILITY RATING.
6. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS, AND CONTROL WIRING.
7. ALL DUCT SIZES ARE CLEAR INSIDE DIMENSIONS, ALLOW FOR DUCT INSULATION.
8. THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE THAT SHALL WARRANT ALL WORKMANSHIP AND MATERIALS FOR ONE (1) YEAR FROM THE FINAL WORK ACCEPTANCE BY THE OWNER AND A FIVE YEAR WARRANTY ON THE COMPRESSOR.
9. CONTRACTOR SHALL PROTECT ALL EXISTING RETURN AND TRANSFER AIR OPENINGS WITH DISPOSABLE FILTERS DURING CONSTRUCTION. FILTERS SHALL BE OF THE DISPOSABLE TYPE AND SHALL BE MERV 8. REPLACE EXISTING BUILDING ROOFTOP UNIT FILTERS AFTER CONSTRUCTION IS COMPLETE.
10. CONTRACTORS SHALL INSTALL ALL NECESSARY OFFSETS, BENDS, AND TRANSITIONS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
11. COORDINATE LOCATION OF ALL CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN TO PREVENT CONFLICT WITH LIGHTS AND ARCHITECTURAL ELEMENTS.
12. ALL WORK OF THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID ANY INTERFERENCES THAT MAY DELAY PROGRESS DURING CONSTRUCTION.
13. THE MECHANICAL CONTRACTOR SHALL TEST AND BALANCE TO THE AIR QUANTITIES ON THE PLAN AND PROVIDE A T&B REPORT.
14. CONTRACTOR SHALL INSTALL EMPLOY A TEMPERATURE CONTROLS CONTRACTOR TO MODIFY/REWORK EXISTING TEMPERATURE CONTROLS TO PROVIDE RE-ZONING SHOWN ON PLAN.
15. CONTRACTOR SHALL INSTALL MANUAL BALANCING DAMPERS AT ALL SUPPLY AIR BRANCH DUCTWORK RUN OUTS.
16. CONTRACTOR SHALL INSTALL TURNING VANES AT ALL DUCTWORK TEES AND 90 DEGREE ELBOWS.
17. ALL SHEET METAL DUCTWORK SHALL COMPLY WITH SMACNA STANDARDS. ALL DUCTWORK JOINTS SHALL BE TAPED AND SEALED.
18. CONTRACTOR SHALL PROVIDE EQUIPMENT OF THE SCHEDULED CAPACITIES DESIGNED.

(X) CODED NOTES

1. PROVIDE NEW 7-DAY PROGRAMMABLE THERMOSTAT. MOUNT AT 48" A.F.F. PROVIDE WITH CLEAR LOCK BOX. COORDINATE FINAL MOUNTING LOCATION WITH ARCHITECTURAL PLANS. FIELD VERIFY CONDITIONS PRIOR TO STARTING WORK.
2. EXHAUST VENT OUTLET UP THRU ROOF WITH 6ø ROOF CAP, BACKDRAFT DAMPER AND BIRDSCREEN. COORDINATE ALL ROOF PENETRATIONS WITH LANDLORD APPROVED ROOFING CONTRACTOR. FIELD VERIFY LOCATION WITH ROOFTOP UNIT FRESH AIR INTAKE TO MAINTAIN A MINIMUM OF 10' SEPARATION PER LOCAL CODE.
3. MOUNT RELOCATED CONDENSING UNIT ON PATE RAIL. COORDINATE FINAL LOCATION OF UNIT WITH STRUCTURAL DRAWINGS. PROVIDE ANY SUPPLEMENTAL SUPPORT STEEL AS DIRECTED BY STRUCTURAL DRAWINGS.
4. FIELD ROUTE REFRIGERANT PIPING FROM EXISTING AIR HANDLING UNIT UP THRU ROOF WITH PATE CURB TO CORRESPONDING CONDENSING UNIT. SIZE PER MANUFACTURER'S RECOMMENDATIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK TO DETERMINE ROUTING ETC.
5. PERFORM ROUTINE SERVICE OF EXISTING EQUIPMENT TO BE REUSED. EQUIPMENT SHALL BE PLACED IN FULL OPERATION UPON COMPLETION OF PROJECT. RE-BALANCE OUTSIDE AIR TO VALUE LISTED IN SPLIT SYSTEM SCHEDULE.
6. NO HVAC WORK IN THIS AREA.
7. LINE INDICATES 1" ACOUSTIC INTERNAL LINING. DUCT DIMENSIONS ARE INSIDE CLEAR AND DO NOT INCLUDE LINING.
8. INSTALL DUCTWORK AS HIGH AS POSSIBLE.

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 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTION 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

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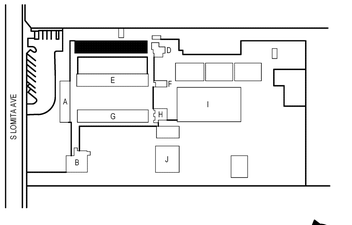
MECHANICAL PIPING (MP), MECHANICAL DUCT (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E):

MP _ MD _ PP _ E _ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP X MD X PP _ E _ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM# 0295-13).

KEY PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

onyx creative
23300 Knoll Dr
Ventura, CA 93003
805-644-6989 onyxcreative.com

M39708 REGISTERED PROFESSIONAL ENGINEER MECHANICAL 6/12/22

MEINERS OAKS ELEMENTARY SCHOOL-PUBLIC LIBRARY CONVERSION

400 S Lomita Ave,
Ojai, CA 93023

Project No:	19837
Drawn By:	JPU
Date	Issue
4/27/2022	DSA SUBMITTAL

M1.00

MECHANICAL PLAN

PLUMBING FIXTURE SCHEDULE

MARK	ITEM	MAKE	NAME	MODEL	TRIM	TRAP	STOPS	CW	HW	SAN	VENT	REMARKS
WC-1	WATER CLOSET	AMERICAN STANDARD	CADET 1.1 GPF	2467.100	TANK TYPE	INTEGRAL	INTEGRAL	1/2"	–	3"	2"	FLOOR MOUNTED, FLUSH TANK, WITH 5284.016 SEAT OR APPROVED EQUAL. ADA COMPLIANT, FLUSH HANDLES SHALL BE MOUNTED ON WIDE SIDE OF TOILET.
LAV-1	LAVATORY	AMERICAN STANDARD	LUCERNE	0355.012 4" CENTERS	CHICAGO 802-665CP	NOTE #2	NOTE #4,5,6	1/2"	1/2"	1 1/2"	1 1/2"	WITH FLOOR MOUNTED CONCEALED ARM WALL CARRIER, SEE NOTES #1,2,4,6
CO-1	CLEANOUT	J.R. SMITH	–	4402	–	–	–	–	–	SEE PLANS	–	DUCO CAST IRON CAULK FERRULE AND CAST IRON LEAD SEAL PLUG WITH STAINLESS STEEL ROUND COVER AND SCREW.

NOTES:
1. INSTALL SERVICE, SHUTOFF & CHECK VALVES, COCKS, STOPS, AIR CUSHIONS, VACUUM BREAKERS, AND SAFETY DEVICES WHERE REQUIRED BY CODE, SPECIFICATIONS, OR DRAWINGS.
2. EXPOSED P-TRAPS TO BE 17 GA. CHROME PLATE WITH CLEANOUT AND ESCUTCHEON PLATE.
3. DOUBLE JOINTED FAUCET TO BE LOCATED ON RIGHT HAD SIDE OF SINK, HOSE ON LEFT.
4. STOPS TO BE CHROME PLATED 1/2" ANGLE VALVE WITH CHROME PLATED 12" LONG, 1/2" O.D. FLEXIBLE RISER AND ESCUTCHEON PLATE.
5. ALL DRAINS AND WATER SUPPLY PIPING TO LAVATORIES TO BE INSULATED WITH 'HANDI LAV-GUARD' INSULATION KIT BY TRUEBRO.
6. THERMOSTATIC MIXING VALVE UNDER LAVATORY AND EMPLOYEE SINK, REFER TO DETAIL ON THIS SHEET.

INSTANTANEOUS ELECTRIC WATER HEATER SCHEDULE

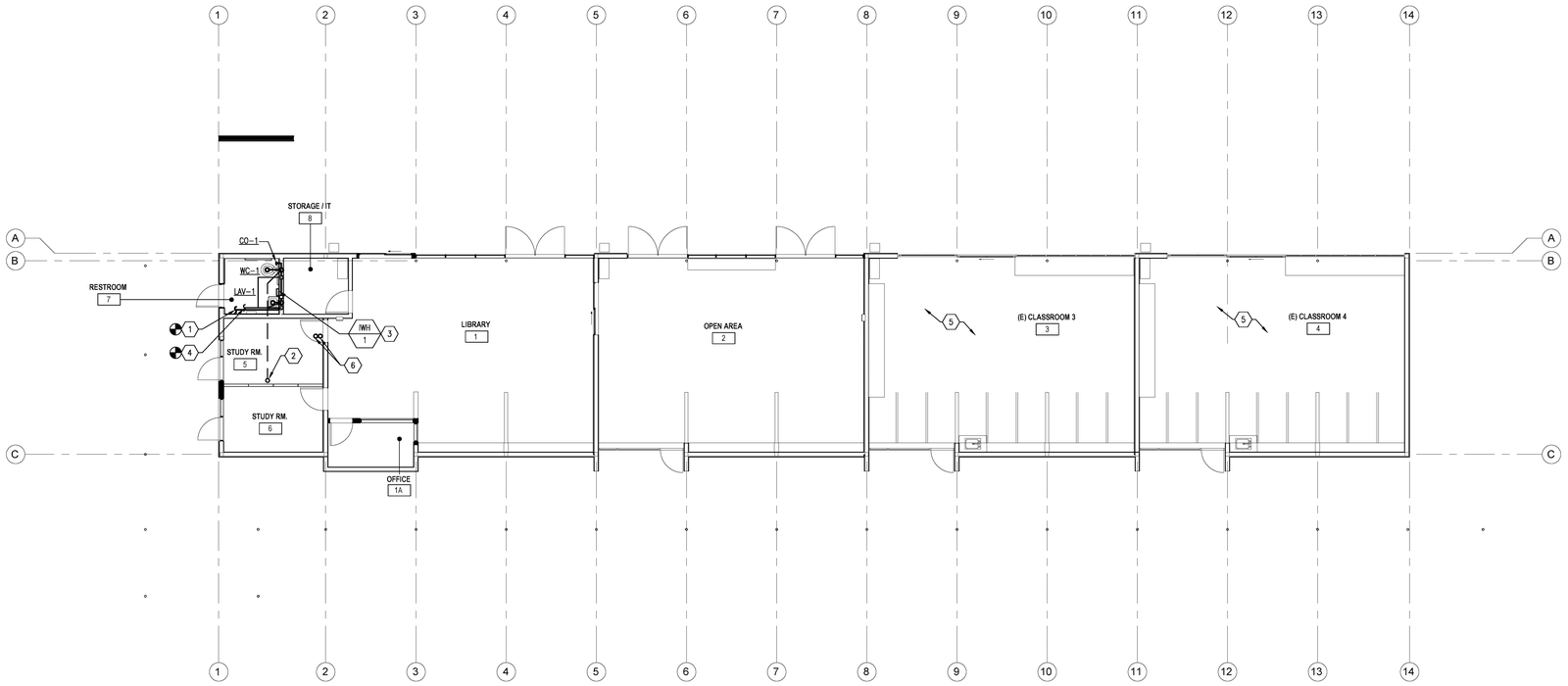
MARK	MANUFACTURER	MODEL	SERVICE	FLOW RATE (GPM)	TEMPERATURE RISE (°F)	DISCHARGE TEMPERATURE (°F)	KW	POWER (VOLT/PH)	NOTES
IWH-1	CHRONOMITE	SR-20L	SINK	0.35	82	110	4.80	240/1	1

NOTES:
1. PROVIDE WITH FACTORY DISCONNECT SWITCH 2095-1

PLUMBING SYMBOLS/ABBREVIATION LEGEND

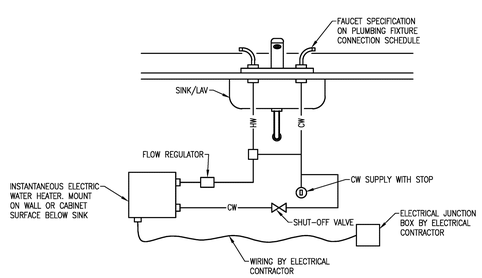
SYMBOL	DESCRIPTION	ABBREVIATION	DESCRIPTION
	DOMESTIC HOT WATER	A.F.F.	ABOVE FINISH FLOOR
	DOMESTIC COLD WATER	CW	COLD WATER
	SANITARY VENT	GC	GENERAL CONTRACTOR
	SANITARY SEWER	HW	HOT WATER
	PIPE DROP	PC	PLUMBING CONTRACTOR
	PIPE RISE	SAN	SANITARY
	PIPE BREAK	V	VENT
	SHUT-OFF VALVE	WB	WATER BOX
		IWH	INSTANTANEOUS WATER HEATER

ALL SYMBOLS AND ABBREVIATIONS ON THIS LIST ARE NOT NECESSARILY USED ON THIS PROJECT.



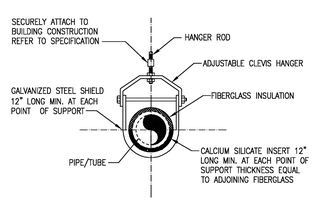
N

1 PLUMBING PLAN
1/8" = 1'-0"



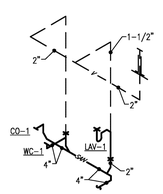
NOTE:
A. INSULATE ALL EXPOSED WASTE AND SUPPLY PIPING UNDER LAVATORIES WITH THE HANDI-LAV GUARD INSULATION KIT BY TRUEBRO OR EQUAL.

UNDERCOUNTER INSTANTANEOUS
1 ELECTRIC WATER HEATER DETAIL
NOT TO SCALE

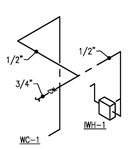


NOTES:
1. USE THIS DETAIL WHEN SUPPORTING INSULATED PIPING AND TUBING LARGER THAN ONE (1) INCH.

2 ADJUSTABLE CLEVIS PIPE SUPPORT
N.T.S.



3 SANITARY ISOMETRIC
NOT TO SCALE



4 DOMESTIC ISOMETRIC
NOT TO SCALE

PLUMBING GENERAL NOTES:

A. PLUMBING CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATIONS AND SIZES OF ALL UTILITIES, INCLUDING THE DEPTHS OF ALL BELOW GRADE SANITARY SEWERS, PRIOR TO START OF WORK. THIS DRAWING IS NOT INTENDED TO INDICATE ALL EXISTING UTILITIES.

B. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID AND FIELD VERIFY EXISTING CONDITIONS TO ENSURE THAT THE WORK REPRESENTED ON THE DRAWINGS AND IN THESE SPECIFICATIONS CAN BE INSTALLED AS INDICATED. CONTRACTOR SHALL TAKE ALL INTERFERENCES INTO CONSIDERATION. IDENTIFY POTENTIAL INTERFERENCES WITH NEW WORK AND REPORT TO ARCHITECT IMMEDIATELY. PROVIDE ALL NECESSARY OFFSETS TO SUIT FIELD CONDITIONS AS REQUIRED.

C. CONTRACTOR SHALL VERIFY AND COORDINATE ALL UTILITY CONNECTION POINTS, INCLUDING SIZES AND INVERTS WITH EXISTING FIELD CONDITION PRIOR TO START OF WORK.

D. MAKE ALL UTILITY CONNECTIONS AND INSTALLATIONS IN FULL ACCORDANCE WITH ALL UTILITY REGULATIONS. PROVIDE ALL ADDITIONAL APPURTENANCES AS REQUIRED BY UTILITY COMPANY. THE COMPLETED INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE INDUSTRY STANDARDS OF GOOD PRACTICE AND SAFETY, AND THE MANUFACTURER'S STRICTEST RECOMMENDATIONS FOR EQUIPMENT AND PRODUCT APPLICATION AND INSTALLATION.

E. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS RELATED TO THE INSTALLATION OF THE WORK.

F. ALL WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, LAWS, ACTS AND ALL AUTHORITIES HAVING JURISDICTION AND LANDLORD'S CRITERIA.

G. MAINTAIN ALL MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES FOR ALL FIXTURES AND EQUIPMENT. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF PLUMBING FIXTURES.

H. ALL HORIZONTAL FIRE PROTECTION SPRINKLER PIPING AND ALL ABOVE GRADE EXPOSED HORIZONTAL PIPING IS TO BE INSTALLED AS HIGH AS POSSIBLE. SPRINKLER CONTRACTOR SHALL COORDINATE SPRINKLER SYSTEM WITH DUCTWORK AND LIGHTS. ALL COSTS ASSOCIATED WITH RAISING SPRINKLER PIPING WHERE THE ARCHITECTURAL DESIGN CAN NOT BE ACCOMPLISHED SHALL BE THE RESPONSIBILITY OF THE SPRINKLER CONTRACTOR.

I. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH THE CONTRACT DOCUMENTS BEFORE COMMENCING ANY WORK.

J. SLEEVE AND SEAL ALL PIPE PENETRATIONS OF WALLS AND FLOORS. APPLY INTUMESCENT FIRE SAFING COMPOUND AT PENETRATIONS OF FIRE-RATED WALLS AND FLOORS, MAINTAINING INTEGRITY AND RATING OF FIRE SEPARATION. SLEEVES THROUGH FLOORS SHALL EXTEND 2" ABOVE FLOOR, BE GROUTED INTO PLACE AND WATERPROOFED. PIPING THROUGH EXTERIOR WALLS SHALL BE SLEEVED AND SEALED WEATHER TIGHT WITH SILICONE CAULK.

K. ALL DOMESTIC COLD, HOT AND TEMPERED WATER PIPING TO BE INSULATED WITH RIGID FIBERGLASS INSULATION WITH TYPE 'ASJ' JACKET. COLD WATER PIPES AND TO HAVE 1/2" THICK INSULATION. DOMESTIC HOT AND TEMPERED WATER PIPES TO HAVE 1" THICK INSULATION.

L. WHEN SUBMITTING SHOP DRAWINGS FOR PLUMBING FIXTURES, PLUMBING CONTRACTOR TO PROVIDE SEPARATE WATER CLOSET FIXTURE CUTS SHOWING FLUSH HANDLES ON APPROPRIATE SIDES OF TANK FOR ADA ACCESS.

M. PVC PIPING IS NOT ALLOWED EXCEPT FOR UNDERGROUND SANITARY LINES.

(X) CODED NOTES

1. CONNECT TO EXISTING BUILDING SANITARY DRAIN 4" OR LARGER. FIELD VERIFY EXACT ROUTING OF NEW HORIZONTAL SANITARY TO ENSURE ROUTING, SLOPE AND CONNECTION TO EXISTING SANITARY CAN BE ACHIEVED PER CODE. CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS, CLEANOUTS ETC. REQUIRED FOR CODE COMPLIANCE INSTALLATION. IF A CLOSER CONNECTION POINT IS CONFIRMED TO THE EXISTING SANITARY SYSTEM MINIMIZING THE HORIZONTAL RUNS, CONTRACTOR SHALL SUBMIT PROPOSED SKETCH OF SIZING, ROUTING ETC. FOR REVIEW AND APPROVAL PRIOR TO ANY WORK.
2. INSTALL 3" VENT UP THRU ROOF. COORDINATE ALL ROOF PENETRATIONS WITH LANDLORD APPROVED ROOFING CONTRACTOR. FIELD VERIFY LOCATION WITH ROOFTOP UNIT FRESH AIR INTAKE TO MAINTAIN A MINIMUM OF 10' SEPARATION PER LOCAL CODE.
3. MOUNT INSTANTANEOUS ELECTRIC WATER HEATER BELOW SINK IN AN ACCESSIBLE LOCATION. REFER TO INSTANTANEOUS ELECTRIC WATER HEATER DETAIL ON THIS DRAWING FOR ADDITIONAL INFORMATION.
4. CONNECT TO EXISTING 3/4" CW SUPPLY OR LARGER. FIELD LOCATE AND VERIFY. PROVIDE WITH NEW SHUT-OFF VALVE AT POINT OF CONNECTION IF EXISTING VALVE IS NOT PRESENT.
5. NO PLUMBING WORK IN THIS AREA.
6. CONTRACTOR SHALL CONFIRM WHAT IS THE PIPE'S FUNCTION AND HOW TO ACCOMPLISH ITS RELOCATION/REWORKING SO THE PIPES ARE LOCATED IN THE NEW WALL AS TO NOT COMPROMISE ANY EXISTING SYSTEMS.

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 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTION 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

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MECHANICAL PIPING (MP), MECHANICAL DUCT (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E):

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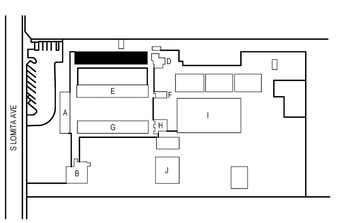
KEY PLAN



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Ventura, CA 93003
805-644-6989 onyxcreative.com

M39708
Exp. 12-31-23
REGISTERED PROFESSIONAL ENGINEER
MECHANICAL
8/2/22

MEINERS OAKS ELEMENTARY SCHOOL-
PUBLIC LIBRARY CONVERSION

400 S Lomita Ave,
Ojai, CA 93023

Project No:	19837
Drawn By:	JPU
Date	Issue
4/27/2022	DSA SUBMITTAL

P1.00

PLUMBING PLAN

STATE OF CALIFORNIA
Domestic Water Heating System
NRCC-PLB-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Meiners Oaks Elementary School	Report Page: Page 1 of 5
Project Address: 400 S Lomita Ave, Ojai, CA 93023	Date Prepared: 2021-11-04

This document is used to demonstrate compliance for nonresidential occupancies with requirements in §110.1, §110.3, §120.3, and §140.5, and with requirements in §141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §110.1, §110.3, §120.3, §150.0 and §150.1(c)8, and with requirements in §150.2 for additions and alterations.

A. GENERAL INFORMATION

01 Project Location (city)	Ojai	02 Climate Zone	16

03 Occupancy Types Within Project (select all that apply):

☑ Nonresidential	☐ High-Rise Residential	☐ Hotel/ Motel
☐ State Building	☐ Healthcare Facility	☐ Other (Write In):

B. PROJECT SCOPE

Table Instructions: Include any domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in §140.5, §150.1(c)8, and §141.0(b), or §141.0(b)2N for additions or alterations. Solar water heating systems should be documented on the NRCC-SRA compliance document. Combined hydronic water heating systems should be documented on the NRCC-MCH compliance document.

01	02	03		
My project consists of (check all that apply):	System Type[1,2]	System Components		
☐ New System (DHW system being installed for the first time in newly constructed building)		☐ Equipment	☐ Distribution	☐ Controls
☑ System Alteration (equipment, distribution or controls)	Individual System (serving nonresidential spaces)[1]	☑ Equipment	☑ Distribution	☐ Controls

[1] *FOOTNOTE: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.*
[2] *Dwelling units refers to hotel/ motel guest rooms and units in a high-rise residential occupancy.*

C. COMPLIANCE RESULTS

Table Instructions: Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	**Compliance Results**
(See Table F)	(See Table G)	(See Table H)	
Yes	Yes		**COMPLIES**

STATE OF CALIFORNIA
Domestic Water Heating System
NRCC-PLB-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Meiners Oaks Elementary School	Report Page: Page 2 of 5
Project Address: 400 S Lomita Ave, Ojai, CA 93023	Date Prepared: 2021-11-04

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. DOMESTIC HOT WATER EQUIPMENT

This Section Does Not Apply

Equipment Schedule: Individual Systems

01	02	03	04	05	06
Name or Item Tag	Equipment Type	Volume (gal)	Max GPM/ First Hour Rating (FHR)	Rated Uniform Energy Factor (UEF)	Minimum Required Uniform Energy Factor (UEF)[1]
IWH-1	Electric Instantaneous (≤ 12kW)	≤2	0 ≤ GPM <1.7	0.99	0.91

[1] *FOOTNOTE: Compliant equipment may be found in the Modernized Appliance Efficiency Database System (MAEDBS) on the Energy Commission website: https://cacertappliances.energy.ca.gov/Pages/Search/AdvancedSearch.aspx*

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

Table Instructions: Complete the following table to demonstrate compliance for nonresidential occupancies with distribution requirements in §120.3 and §140.5. For high-rise residential and hotel/motel occupancies, compliance is demonstrated with requirements in §110.3(c), §120.3, §150.0, §150.1.

Mandatory Pipe Insulation All Occupancies

12	☑	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per §120.3: - Recirculating system piping, including supply and return piping of the water heater - The first 8 ft of hot and cold outlet piping for a nonrecirculating storage system - Pipes that are externally heated
13	☑	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per §120.3(b) and §150.0(j)3

Table Continued

STATE OF CALIFORNIA
Domestic Water Heating System
NRCC-PLB-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Meiners Oaks Elementary School	Report Page: Page 3 of 5
Project Address: 400 S Lomita Ave, Ojai, CA 93023	Date Prepared: 2021-11-04

TABLE 120.3-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)		
			<1	1 to < 1.5	1.5 to < 4
			Minimum Insulation Required		
105-140	0.22-0.28	100	**1.0 in or R-7.7**	**1.5 in or R-12.5**	**1.5 in or R-11**

H. DOMESTIC HOT WATER SYSTEM CONTROLS

This Section Does Not Apply

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉		NRCI-PLB-01-E - Must be submitted for all buildings	☐	☐
○	◉	NRCI-PLB-02-E - Must be submitted for high-rise residential and hotel/ motel central hot water distribution systems to be recognized for compliance.	☐	☐
○	◉	NRCI-PLB-03-E - Must be submitted for high-rise residential and hotel/ motel single dwelling unit hot water distribution systems to be recognized for compliance.	☐	☐

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to service water heating requirements.

STATE OF CALIFORNIA
Domestic Water Heating System
NRCC-PLB-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Meiners Oaks Elementary School	Report Page: Page 4 of 5
Project Address: 400 S Lomita Ave, Ojai, CA 93023	Date Prepared: 2021-11-04

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be completed by a HERS Rater and provided to the building inspector during construction. The final documents must be created by a HERS Providers registry, but drafts can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV/

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
○	◉	NRCV-PLB-21-H High-rise Residential Central Hot Water Distribution HERS Verification	☐	☐
○	◉	NRCV-PLB-22-H High-rise Residential Individual Dwelling Unit Hot Water Distribution HERS Verification	☐	☐

STATE OF CALIFORNIA
Domestic Water Heating System
NRCC-PLB-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-PLB-E
Project Name: Meiners Oaks Elementary School	Report Page: Page 5 of 5
Project Address: 400 S Lomita Ave, Ojai, CA 93023	Date Prepared: 2021-11-04

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	John Paul Urbaniak	Documentation Author Signature:	
Company:	Bluestreak Consulting	Signature Date:	2021-11-04
Address:	25001 Emery Rd	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Cleveland, OH 44128	Phone:	216-223-3267

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:	Brian Rice	Responsible Designer Signature:	
Company :	Bluestreak Consulting	Date Signed:	2021-11-04
Address:	25001 Emery Rd, Suite 410	License:	M39708
City/State/Zip:	Cleveland, OH 44128	Phone:	216-223-3291

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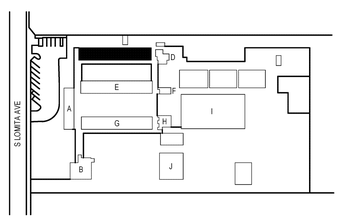
Ventura, CA 93003
805-644-9889 onyxcreative.com

MEINERS OAKS ELEMENTARY SCHOOL-
PUBLIC LIBRARY CONVERSION
400 S Lomita Ave,
Ojai, CA 93023

Project No.:	19837
Drawn By:	JPU
Date	Issue
4/27/2022	DSA SUBMITTAL

KEY PLAN



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PLUMBING
TITLE 24

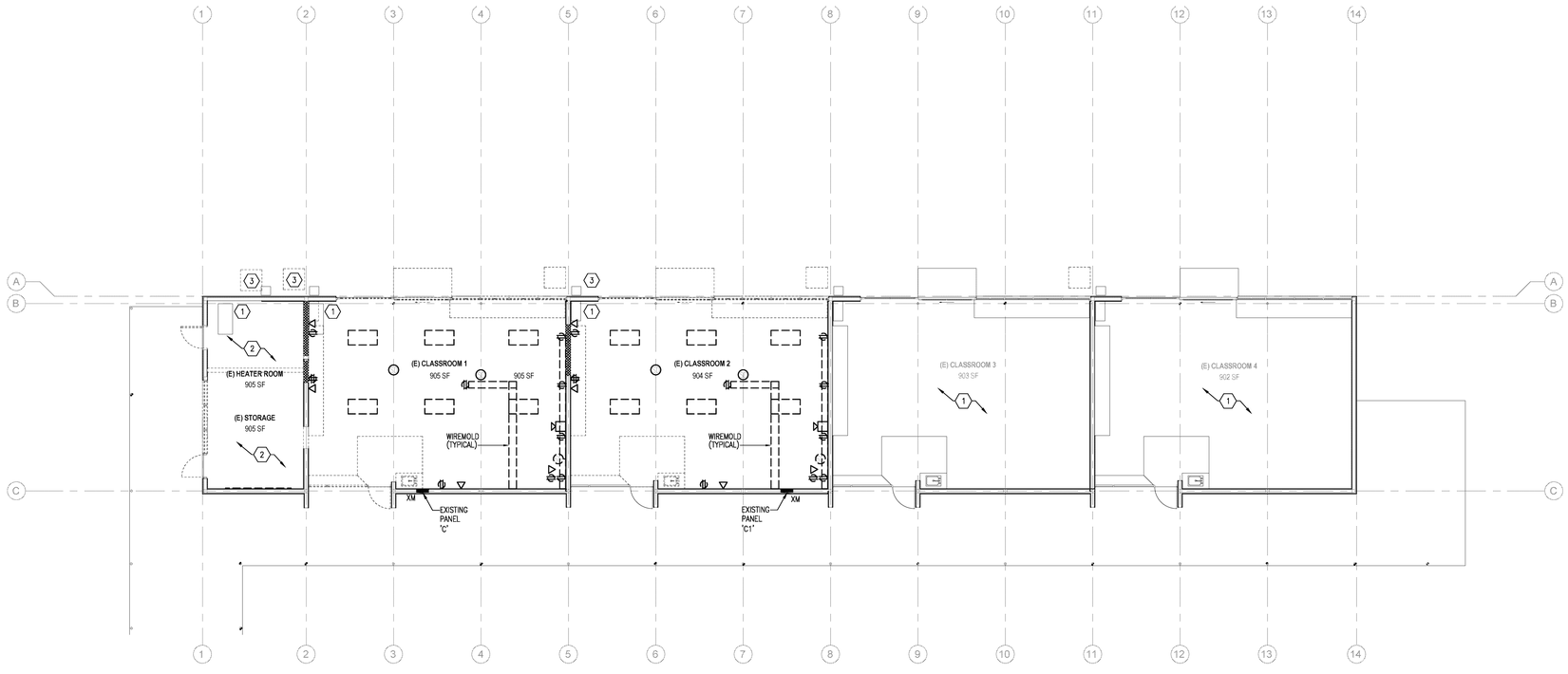
ⓧ KEYED NOTE SCHEDULE

1. EXISTING TO REMAIN (N.I.C.)
2. EXISTING LIGHTING FIXTURES, ELECTRICAL DEVICES, COMMUNICATION DEVICES AND FIRE ALARM SHALL BE DISCONNECTED AND REMOVED.
3. DISCONNECT POWER AT CONDENSING UNIT FOR RELOCATION BY OTHERS, MAINTAIN CIRCUIT FOR RECONNECTION AT NEW LOCATION. SEE E2.0 FOR NEW LOCATION OF CONDENSING UNIT.

DEMOLITION NOTES:

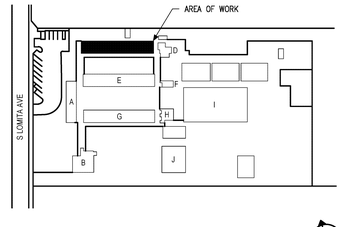
1. PERFORM ALL DEMOLITION OF EXISTING ELECTRICAL SYSTEMS AS INDICATED ON ELECTRICAL AND ARCHITECTURAL PLANS OR NECESSARY FOR THE PROJECT. REMOVE FROM SITE AND PROPERLY DISPOSE OF ALL MATERIAL AND DEBRIS FROM THIS WORK.
2. DEMOLITION DRAWINGS ARE GENERAL IN NATURE SHOWING THE SCOPE OF DEMOLITION WORK. CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE QUANTITY OF LUMINAIRES, OUTLETS, ETC. REMOVE ALL EQUIPMENT AND DEVICES NO LONGER REQUIRED FOR FINISHED CONSTRUCTION. REMOVE CONDUITS BEYOND NEW SURFACES. REMOVE ALL EXISTING WIRE FROM CONDUIT BACK TO POINT OF COMMON USE OR TO PANELS.
3. FOR ALL DEVICES AND LUMINAIRES BEING REMOVED, REMOVE RELATED CONDUIT AND WIRING TO SOURCE. RE-LABEL EXISTING CIRCUIT BREAKERS AS "SPARE" WHEN LOAD IS COMPLETELY REMOVED OR REVISE LABEL ON PANEL DIRECTORY APPROPRIATELY AND SET BREAKER TO THE "OFF" POSITION.
4. PATCH ALL SURFACES TO MATCH SURROUNDING FOR DEVICES BEING REMOVED FROM EXISTING WALLS TO BE MAINTAINED. ALL CIRCUITS WHICH ARE REQUIRED TO REMAIN ACTIVE SHALL BE MAINTAINED OR REWORKED AS REQUIRED. ANY EXISTING CIRCUITS OR CABLING SYSTEMS SERVING AREAS NOT AFFECTED BY DEMOLITION SHALL BE MAINTAINED.
5. ALL CIRCUITS SHALL BE VERIFIED WITH EXISTING DRAWINGS AND ACTUAL FIELD CONDITIONS PRIOR TO BEGINNING DEMOLITION.
6. THE OWNER RESERVES THE RIGHT OF SALVAGE FOR ALL EXISTING ELECTRICAL EQUIPMENT PRIOR TO DEMOLITION. THE CONTRACTOR SHALL REVIEW ALL MATERIALS AND DELIVER TO THE OWNER THOSE REQUIRED IN THEIR EXISTING CONDITION. ALL OTHER MATERIAL SHALL BE REMOVED BY THIS CONTRACTOR.
7. DISCONNECT AND REMOVE ALL EXISTING DATA, PHONE AND SECURITY WIRING FROM SPACE. REMOVE AND DISPOSE OF ALL DEVICES ASSOCIATED WITH THESE SYSTEMS UNLESS NOTED OTHERWISE.
8. EXISTING FIRE ALARM SYSTEM TO BE MAINTAINED IN PLACE DURING CONSTRUCTION AND MODIFIED PER DRAWINGS. EXISTING WIRING TO REMAIN SHALL BE SUPPORTED FROM STRUCTURE BEFORE CEILING REMOVAL.
9. ALL WORK SHOWN LIGHT IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
10. ALL WORK SHOWN DARK OR DARK/DASHED SHALL BE DISCONNECTED AND REMOVED IN ITS ENTIRETY UNLESS NOTED OTHERWISE.

DEMOLITION ANNOTATION LEGEND	
"XR"	DENOTES EXISTING PANEL TO BE RELOCATED IN ITS ENTIRETY. MAINTAIN ALL FEEDER WIRING, CONDUIT, ETC. FOR EXTENSION TO NEW LOCATION ("XN") INDICATED ON POWER PLAN.
"XM"	DENOTES EXISTING TO BE MAINTAINED



1 ELECTRICAL DEMOLITION PLAN
1/8" = 1'-0"

KEY PLAN



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APP: 03-122016 INC:
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DATE: 11/09/2022

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REGISTERED PROFESSIONAL ENGINEER VINCENT FITZGERALD 18922 ELECTRICAL
8/1/22

MEINERS OAKS ELEMENTARY SCHOOL-
PUBLIC LIBRARY CONVERSION

400 S Lomita Ave,
Ojai, CA 93023

Project No.:	19837
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4/27/2022	DSA SUBMITTAL

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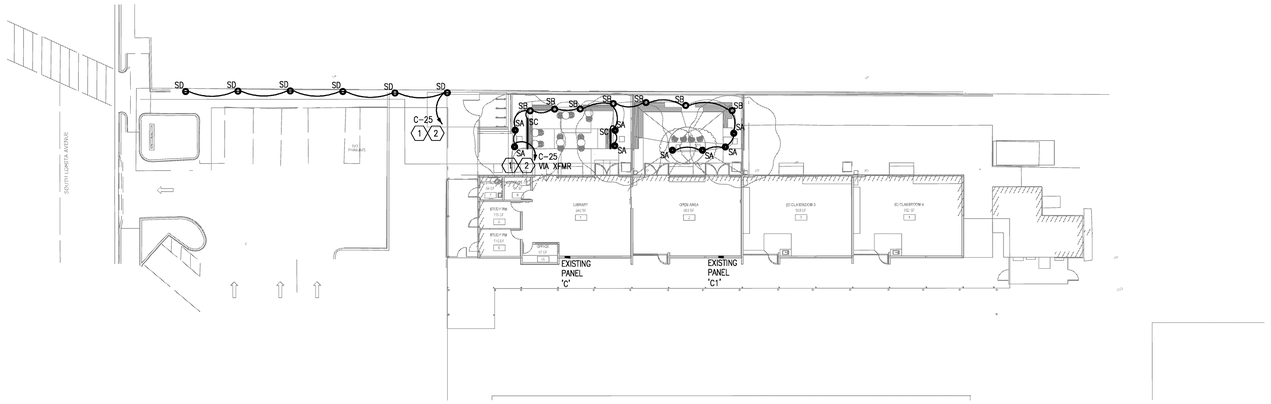
ELECTRICAL DEMOLITION PLAN



1 | ELECTRICAL SITE PLAN

1" = 20'-0"

KEYED NOTE SCHEDULE

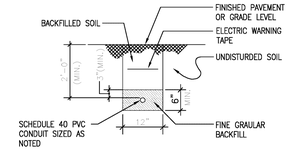
1. ADJUST WIRE SIZE AS REQUIRED PER VOLTAGE DROP OF ACTUAL ROUTING, SUCH THAT VOLTAGE DROP DOESN'T EXCEED 3%.
2. ROUTE BRANCH CIRCUIT CONDUCTORS BACK TO EXISTING LIGHTING CONTROL. IF EXISTING CONTROL WILL NOT ACCEPT ADDITIONAL FIXTURES E.C. SHALL PROVIDE NEW LIGHTING CONTROL SYSTEM PER DETAIL ON THIS DRAWING.

GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL ORDINANCES.
2. ALL DEVICES, EQUIPMENT, FIXTURES, ETC. MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED.
3. ALL SITE LIGHTING CONDUCTORS SHALL BE (CU), XHHW-2 IN 1"C, UNLESS OTHERWISE NOTED. CONDUCTOR SIZE AS NOTED ON PLAN.
4. CIRCUITS MAY BE COMBINED IN CONDUIT PROVIDED WIRE IS PROPERLY DE-RATED AND CONDUIT SIZED PER CODE. UNDER NO CIRCUMSTANCES SHALL MORE THAN NINE (9) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT.
5. ALL CONDUITS SHALL CONTAIN A GROUND WIRE SIZED PER NEC TABLE #250-122. WHERE CIRCUIT CONDUCTORS ARE INCREASED IN SIZE FOR VOLTAGE DROP, THE GROUND WIRE SIZE SHALL BE INCREASED PROPORTIONATELY (ACCORDING TO CIRCULAR MIL AREA) FROM THE SIZE REQUIRED BY NEC TABLE #250-122.
6. PROVIDE PVC TO RGS ADAPTOR DURING CONDUIT TRANSITION AT ENTRANCE INTO BUILDING. PROVIDE WATERPROOF SEALING OF PENETRATIONS, AS REQUIRED.
7. CONDUIT ROUTING IS SHOWN DIAGRAMMATICALLY. ACTUAL ROUTING TO BE DETERMINED IN FIELD. INCREASE WIRE SIZE AS REQUIRED PER VOLTAGE DROP OF ACTUAL ROUTING.
8. ELECTRICAL CONTRACTOR SHALL PROVIDE TRENCHING AND BACKFILL FOR COMMUNICATION CABLING AS REQUIRED. COORDINATE ALL REQUIREMENTS WITH LOCAL UTILITY PRIOR TO BID.

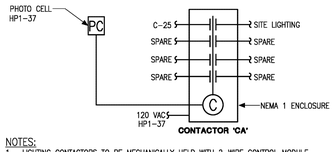
LUMINAIRE SCHEDULE

MARK	SYMBOL	MANUFACTURER CATALOG NO.	MOUNTING	LAMPS	LUMINAIRE WATTS	VOLTAGE	DESCRIPTION	NOTES
SA	⊙	FX LUMINAIRE LIGHTING: LR-LED20WWF-LS-NP	GRADE	LED	4.3	VIA XFMR	COPPER/BRASS CONSTRUCTION LANDSCAPE LIGHTING LED .	
SB	O	FX LUMINAIRE LIGHTING: WS-LED35W-BZ	GRADE	LED	2.4	VIA XFMR	COPPER/BRASS CONSTRUCTION LANDSCAPE LIGHTING LED .	
SC	—	LEDSUPPLY LS-ROPE-WW-LENGTH AS NOTED	SURFACE	LED	7.7	VIA XFMR	LED ROPE LIGHTING. SIZE AS REQUIRED PER LOCATIONS. COORDINATE FINAL LOCATION WITH ARCHITECT AND G.C.	
SD	⊖	LITHONIA LIGHTING: RADB LED P4 30K ASY MVOLT BTT BCF DDBXD	GROUND	LED	19	120-277V	LED SITE LUMINAIRE SITE BOLLARD. EXTRUDED ALUMINUM CONSTRUCTION.	



1 | DUCT SECTION "A-A"

N.T.S.

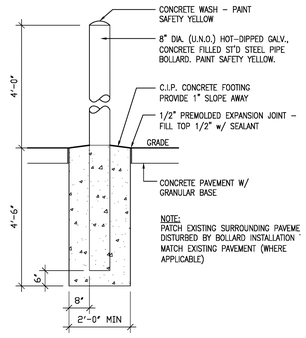


NOTES:

1. LIGHTING CONTACTORS TO BE MECHANICALLY HELD WITH 2-WIRE CONTROL MODULE, 120V COIL, 20 AMP FULLY RATED CONTACTS AND RATED FOR LED LIGHTING. GE CR460 SERIES OR EQUAL.
2. PROVIDE PHOTOCELL AND CONNECT TO CONTACTOR. MOUNTED AT NORTH/WEST FACE OF BUILDING.
3. PROVIDE MOMENTARY OVERRIDE SWITCH, LOCATE PER OWNER'S PREFERENCE.
4. LOCATE CONTACTOR ADJACENT TO PANEL 'C' IN WEATHER PROOF ENCLOSURER.
5. COORDINATE LIGHTING SCHEDULE WITH SCHOOL.

2 | LIGHT CONTROL SCHEMATIC - SERVICE 1

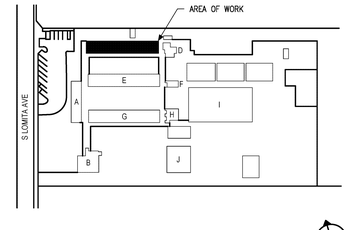
N.T.S.



3 | BOLLARD DETAIL

1/2"=1'-0"

KEY PLAN



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REGISTERED PROFESSIONAL ENGINEER VINCENT FITZGERALD 18922 12/31/23 ELECTRICAL STATE OF CALIFORNIA

8/1/22

MEINERS OAKS ELEMENTARY SCHOOL- PUBLIC LIBRARY CONVERSION

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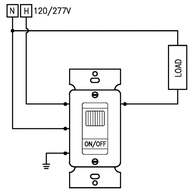
ELECTRICAL SITE PLAN

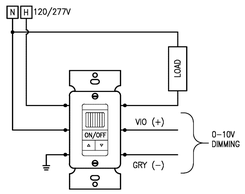


VACANCY SENSOR SWITCH WIRING DIAGRAM (VS)

SCALE: NOT TO SCALE

NOTES:

1. VACANCY SENSOR SHALL BE "SENSOR SWITCH" WSX-PDT-VA-WH.
2. CONTRACTOR SHALL MAINTAIN VACANCY SETTING ON ALL SENSORS PROVIDED. "OCCUPANCY" SETTING SHALL NOT BE UTILIZED.
3. "OCCUPANCY" TIME DELAY SHALL BE SET TO 30 MINUTES USING MANUFACTURERS INSTRUCTIONS PROVIDED WITH DEVICE.



DIMMABLE VACANCY SENSOR SWITCH WIRING DIAGRAM (VSD)

SCALE: NOT TO SCALE

NOTES:

1. VACANCY SENSOR SHALL BE "SENSOR SWITCH" WSX-PDT-D-VA-WH.
2. PROVIDE "LUMINAIRY" CABLE FOR ALL 0–10V DIMMING.
3. USE MANUFACTURERS INSTRUCTIONS PROVIDED WITH DEVICE.

ABBREVIATION LEGEND

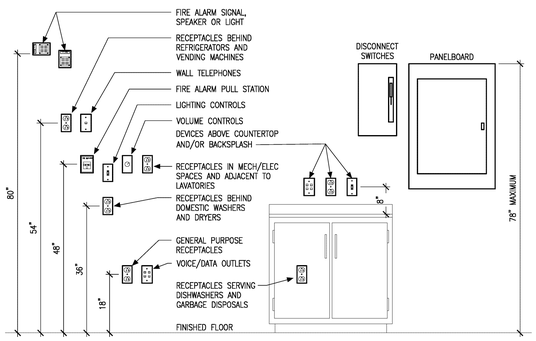
ABBREVIATION	DESCRIPTION
A	AMPERES
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CAT	CATALOG
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CL	CENTERLINE
CLF	CURRENT LIMITING FUSE
CU	COPPER
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EM	INDICATES EMERGENCY CIRCUIT
EMT	ELECTRICAL METALLIC TUBING
EWC	ELECTRIC WATER COOLER
FU	FUSE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FAEP	FIRE ALARM EXTENDER PANEL
FLA	FULL LOAD AMPERES
GND,G	GROUND OR GROUNDING
GRMC	GALVANIZED RIGID METALLIC CONDUIT
HOA	HAND, OFF, AUTOMATIC SWITCH
IMC	INTERMEDIATE METAL CONDUIT
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT AMPERES
KW	KILOWATTS
LTG	LIGHTING
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
NTS	NOT TO SCALE
P	POLE
PNL	PANEL
POS	PROVIDED UNDER OTHER SECTIONS
PVC	POLYVINYL CHLORIDE
PWR	POWER
QTY	QUANITY
REQ'D	REQUIRED
RMC	RIGID METAL CONDUIT
RTU	ROOF TOP UNIT
SP	SPARE
SW	SWITCH
TEL	TELEPHONE
UL	UNDERWRITERS LABORATORIES
V	VOLT
W	WIRE
WP	WEATHERPROOF
XFMR	TRANSFORMER

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	MTG. HGT. (U.N.O.)
——→	HOME RUN TO PANEL. ALL UNMARKED HOMERUNS TO CONTAIN 2–12 AWG & 1–12 AWG GND IN 3/4" CONDUIT, UNLESS NOTED OTHERWISE.	
^{VS}	DUAL TECHNOLOGY WALLBOX VACANCY SENSOR – SEE DETAIL ON THIS DRAWING	
^{VSD}	DUAL TECHNOLOGY DIMMABLE WALLBOX VACANCY SENSOR – SEE DETAIL ON THIS DRAWING	
^{S}	DIMMER SWITCH	
Φ / Φ / Φ	SINGLE / DUPLEX / DOUBLE DUPLEX RECEPTACLE NEMA 5–20R	18"
Φ	TAMPER RESISTANT DUPLEX RECEPTACLE NEMA 5–20R	18"
Φ	TAMPER RESISTANT DOUBLE DUPLEX RECEPTACLE NEMA 5–20R	18"
Φ	RECEPTACLE WITH GROUND FAULT PROTECTION NEMA 5–20R	AC
▽	DENOTES TO PROVIDE SINGLE GANG BOX WITH 3/4" CONDUIT (WITH BUSHINGS & PULLWIRE) TO 12" ABOVE CEILING SPACE.	18" – UNO
J	JUNCTION BOX	
T	THERMOSTAT LOCATION, PROVIDE BOX WITH 1/2" CONDUIT TO CEILING SPACE	60"
▼	TELEPHONE JACK, PROVIDE BOX WITH 1/2" CONDUIT TO CEILING SPACE	18"
▽	DATA JACK, PROVIDE BOX WITH 3/4" CONDUIT TO CEILING SPACE	18"
◉	BUTTON	48"
B	BELL/BUZZER	
	PANELBOARD	
	MOTOR	
	NON-FUSED DISCONNECT	

LIGHT FIXTURE SCHEDULE

MARK	SYMBOL	MANUFACTURER CATALOG NO.	MOUNTING	LAMPS	LAMP WATTS	FIXTURE WATTS	VOLTAGE	DESCRIPTION	NOTES
A	□	LITHONIA LIGHTING ENVX–2X2–XX–4000LM–80CRI–35K–MIN1–EZR–DGAZZLED	RECESSED	LED	36.2	36.2	120/277	2x2 LED RECESSED IN GYP	
B	—	MARK ARCHITECTURAL LIGHTING S4LD–LLP–16FT–MSL8–80CRI–35K–600LMF–MIN1–MVOLT–XX–ZT	PENDANT	LED	23.5	23.5	120/277	4" SLOT LED PENDANT.	
D	○	PRECOLITE LIGHTING LTR–6RD–H–ML–20L–DM1–120/277–LTE–6RD–T–ML–35K–8–MD–S–WT	RECESSED	LED	22.6	22.6	120	6" DIAMETER LED RECESSED DOWNLIGHT	
E	—	MARK ARCHITECTURAL LIGHTING S4LD–LLP–16FT–MSL8–80CRI–35K–600LMF–WW–MIN1–MVOLT–XX–ZT	PENDANT	LED	23.5	23.5	120/277	4" SLOT LED PENDANT.	
F	▭	LITHONIA LIGHTING FMVCOLS–24" MVOLT–35K–90CRI–BN–M6	RECESSED	LED	18.2	18.2	120/277	24" LED WALL MOUNTED VANITY.	
G	▬	LITHONIA LIGHTING CSS–L48–4000LM–MVOLT–40K–80CRI	SURFACE	LED	34.2	34.2	120/277	4' LED SURFACE MOUNTED STRIP	
H	○	GOTHAM ARCHITECTURAL LIGHTING EVO–35/15–AR–MWD–LSS–MVOLT–EZ1	RECESSED	LED	13.7	13.7	120	4" DIAMETER LED RECESSED DOWNLIGHT	
X1	⊗	LITHONIA LHQM–LED–R–SD–HO	SURFACE	LED	5	5	120/277	EXIT SIGN/EMERGENCY LIGHT W/ EMERGENCY BATTERY AND CHARGER	
EM	⊂⊃	LITHONIA ELM2L–UVOLT–SDRT	SURFACE	LED	2	2	120/277	EMERGENCY LIGHT UNIT	
RH	⊛	LITHONIA ELA–T–GWP–L0309–SD	SURFACE	LED	5	5	120/277	REMOTE HEAD, WEATHERPROOF	



TYPICAL DEVICE MOUNTING DETAIL

N.T.S.

NOTES:

1. ALL MOUNTING HEIGHTS SHALL BE MEASURED FROM FINISHED FLOOR TO THE CENTERLINE OF DEVICE EXCEPT FIRE ALARM A/V DEVICES.
2. NO WIRING DEVICES OR OUTLET BOXES SHALL BE MOUNTED BACK TO BACK.
3. ALL MOUNTING DEVICES SHALL BE INSTALLED AT MOUNTING HEIGHTS AS INDICATED ON THIS DETAIL UNLESS OTHERWISE NOTED.
4. FOR ALL ELEVATIONS (WHERE APPLICABLE), CASEWORK DETAILS, FIRE WALLS, SMOKE WALLS, LOCATION OF COUNTERTOP RECEPTACLES, LUMINAIRE SWITCHES, TELEPHONE OUTLETS, EQUIPMENT ROUGH–INS, HEADWALLS, ETC., SEE ARCH DRAWINGS. WHERE NO ARCHITECTURAL ELEVATIONS OR DETAILS OCCUR, THE ELECTRICAL CONTRACTOR SHALL USE MEANS AND METHODS AS WELL AS THEIR FIELD KNOWLEDGE TO SPOT DEVICES IN THE BEST LOCATIONS FOR THE PROJECT.

PANEL: C (EXISTING) | MAIN: 200A MAIN CIRCUIT BREAKER | VOLTAGE: 120/240 | PHASE: 1 | WIRE: 3 | BUS AMPS: 225.0 | AIC: 10K | MOUNTING: RECESSED | LOCATION: BLDG C (EXTERIOR) | FEED THRU LUGS: NO | ISOLATED GROUND BUS: NO

CKT	NOTE	BKR	LOAD DESCRIPTION	KVA	A#	B#	KVA	LOAD DESCRIPTION	BKR	NOTE	CKT
1		20/1	EXISTING LOAD	0.7	0.7		0.0	EXISTING LOAD	30/2		2
3		20/1	EXISTING LOAD	0.8		0.8	0.0				4
5		30/2	EXISTING LOAD	1.00	1.8		0.8	EXISTING LOAD	20/1		6
7				1.00		1.6	0.6	EXISTING LOAD	20/1		8
9		20/1	EXISTING LOAD	1.0	1.5		0.5	EXISTING LOAD	20/1		10
11		20/1	EXISTING LOAD	0.6		1.6	1.0	EXISTING LOAD	20/1		12
13		20/1	EXISTING LOAD	1.2	1.6		0.4	EXISTING LOAD	20/1		14
15		20/1	EXISTING LOAD	0.65		1.7	1.0	EXISTING LOAD	20/1		16
17		20/1	EXISTING LOAD	0.8	1.8		1.0	EXISTING LOAD	20/1		18
19		20/1	EXISTING LOAD	0.4		0.9	0.5	EXISTING LOAD	20/1		20
21		20/1	EXISTING LOAD	1.08	6.9		5.8	EXISTING PANEL "C1"	100/2		22
23		20/1	EXISTING LOAD	0.4		6.9	6.5				24
①②	25	20/1	EXTERIOR LIGHTING	0.20	2.6		2.40	IWH–1	25/2		26 ①
①	27	20/1	RECEPTACLES IT ROOM	0.36		2.8	2.40				28
①	29	20/1	RECEPTACLES	0.36	0.6		0.20	FUTURE FIRE ALARM PANEL	20/1	L	30 ①
				0.0		0.0	0.0				
			TOTAL KVA PER PHASE:		17.4	16.2					
					TOTAL KVA:	40.6					
					TOTAL AMPS:	169.2					

NOTES:
L HANDLE LOCK
GFI GROUND FAULT INTERRUPTING
AFI ARC FAULT INTERRUPTING
CO CONTINUOUS DUTY
H HACR RATED

NOTES:

1. PROVIDE BREAKERS AS SHOWN IN AVAILABLE SPACE, BEAKER TYPE AND AIC RATING TO MATCH EXISTING.
2. PROVIDE TANDEM BREAKERS IF REQUIRED FOR NEW LIGHTING CONTROL SYSTEM.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

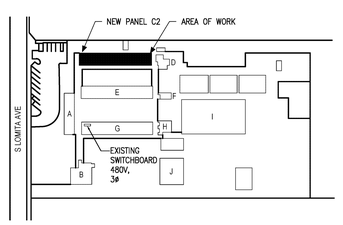
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7–16 SECTION 13.3 AS DEFINED IN ASCE 7–16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTION 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO START OF AND DURING THE HANGING AND VBRACING OF DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCT (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEM (E):

MP _ MD _ PP _ E _ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP _ MD _ PP _ E X OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE–APPROVAL (OPM# 0295–13).



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

onyx | creative
22300 Knoll Dr
Ventura, CA 93003
805-644-9899 onyxcreative.com

REGISTERED PROFESSIONAL ENGINEER VINCENT FITZGERALD 15922 ELECTRICAL 12/31/23 STATE OF CALIFORNIA

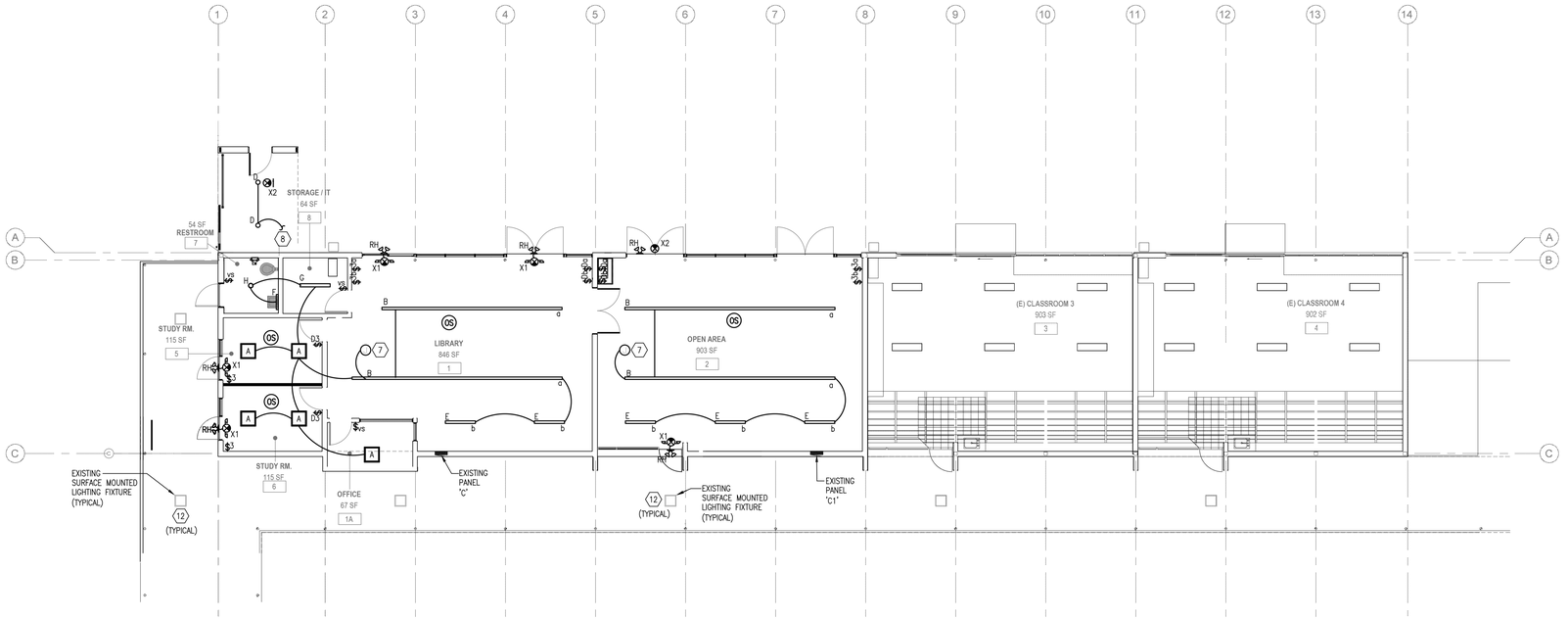
MEINERS OAKS ELEMENTARY SCHOOL– PUBLIC LIBRARY CONVERSION

400 S Lomita Ave,
Ojai, CA 93023

Project No.: 19837
Drawn By: AH
Date: 4/27/2022
Issue: DSA SUBMITTAL

E1.00

ELECTRICAL DETAILS AND SCHEDULES



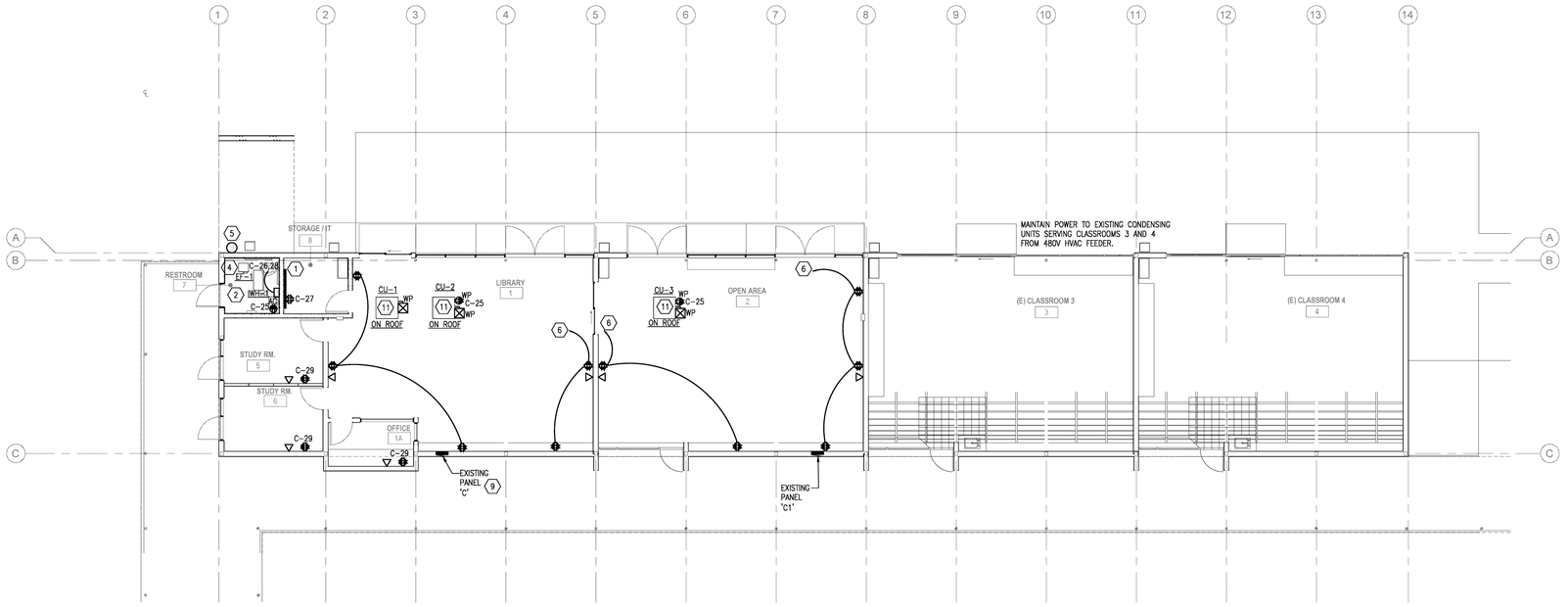
1 LIGHTING PLAN
1/8" = 1'-0"

GENERAL NOTES:

1. ALL DEVICES, EQUIPMENT, LUMINAIRES, ETC., MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED.
2. BRANCH CIRCUIT WIRE SIZES (AND CONDUITS) SHALL BE INCREASED FROM THESE INDICATED ON THE PLANS TO PREVENT EXCESSIVE VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH WIRES OF SUFFICIENT SIZE SO THAT VOLTAGE DROP BETWEEN THE PANEL AND THE LOADS DOES NOT EXCEED A LIMIT OF 3%.
3. CIRCUITS MAY BE COMBINED IN CONDUIT PROVIDED WIRE IS PROPERLY DE-RATED AND CONDUIT SIZED PER CODE. UNDER NO CIRCUMSTANCES SHALL MORE THAN NINE (9) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT.
4. ALL CONDUITS SHALL CONTAIN A GROUND WIRE SIZED PER NEC TABLE #250-122. WHERE CIRCUIT CONDUCTORS ARE INCREASED IN SIZE FOR VOLTAGE DROP, THE GROUND WIRE SIZE SHALL BE INCREASED PROPORTIONATELY (ACCORDING TO CIRCULAR MIL AREA) FROM THE SIZE REQUIRED BY NEC TABLE #250-122.
5. EXPOSED CONDUITS, WHERE PERMITTED, SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES TO BUILDING STRUCTURAL MEMBERS.
6. ALL DEVICES SHALL BE WHITE WITH MATCHING COVERPLATES, UNLESS NOTED OTHERWISE.
7. ALL EXIT SIGNS, EMERGENCY LIGHTING BATTERY PACKS, EMERGENCY LUMINAIRES (ON GENERATOR OR EMERGENCY LIGHTING BATTERY PACKS INTEGRAL TO LUMINAIRE), AND NIGHT LIGHTS (DENOTED 'NL') SHALL BE CONNECTED TO THE LOCAL LIGHTING CIRCUIT AHEAD OF ANY CONTROLS SUCH AS: SWITCHES (DEVICE), OCCUPANCY SENSORS AND/OR RELAY CONTROLS.

(X) KEYED NOTE SCHEDULE

1. PROVIDE PLYWOOD BACKBOARD PAINTED ON ALL SIDES WITH FIRE RETARDANT PAINT MOUNTED VERTICALLY ON WALL.
2. NOT USED.
3. NOT USED.
4. CONNECT TO LIGHTING CIRCUIT AND CONTROL SERVING ROOM.
5. MAINTAIN FEEDER SERVING EXISTING COMPRESSORS THAT ARE REMAINING.
6. UTILIZE SPARE BREAKER MADE AVAILABLE AFTER DEMOLITION IN PANEL 'C'.
7. INTERCEPT EXISTING LIGHTING CIRCUIT AND EXTEND TO NEW LIGHTING AND CONTROLS.
8. CONNECT TO EXISTING EXTERIOR LIGHTING AND CONTROLS CIRCUIT.
9. ELECTRICAL CONTRACTOR SHALL VERIFY THE CIRCUIT FEEDING THE EXISTING FIRE ALARM POWER SUPPLY AND EXTEND IT TO THE NEW POWER SUPPLY LOCATION. (BLDG 'C').
10. ELECTRICAL CONTRACTOR SHALL PROVIDE A 120V/20A DEDICATED CIRCUIT TO THE NEW FIRE ALARM PANEL FROM A SPARE BREAKER IN THE NEAREST EXISTING BRANCH PANEL. (BLDG 'A').
11. RECONNECT CONDENSING UNIT WITH MAINTAINED CIRCUIT AT NEW LOCATION.
12. EXISTING OVERHEAD LIGHT FIXTURES WILL BE PROVIDE NECESSARY ILLUMINATION FOR PATH OF EGRESS.



2 POWER PLAN
1/8" = 1'-0"

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 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTION 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

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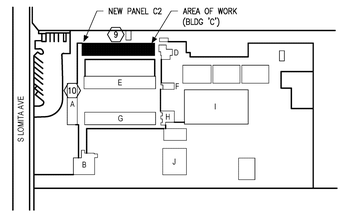
MP _ MD _ PP _ E X OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM# 0295-13).



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22300 Knoll Dr
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805-644-81809 onyxcreative.com

REGISTERED PROFESSIONAL ENGINEER TIMOTHY FITZGERALD 18922 12/31/23 ELECTRICAL

MEINERS OAKS ELEMENTARY SCHOOL-PUBLIC LIBRARY CONVERSION

400 S Lomita Ave.
Ojai, CA 93023

Project No.:	19837
Drawn By:	AH
Date	Issue
4/27/2022	DSA SUBMITTAL

E2.00

ELECTRICAL PLANS

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Meiners Oaks Elementary School	Report Page:	Page 1 of 7
Project Address: 400 S Lomita Ave, Ojai, CA93023	Date Prepared:	2021-11-15

A. GENERAL INFORMATION

01	Project Location (city)	Ojai	04	Total Conditioned Floor Area (ft²)	2,215
02	Climate Zone	16	05	Total Unconditioned Floor Area (ft²)	
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

☐ Office ☐ Retail ☐ Warehouse ☐ Hotel/Motel ☑ School ☐ Support Areas
☐ Parking Garage ☐ High-Rise Residential ☐ Relocatable ☐ Healthcare ☐ Other (write in):

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☑ New Lighting System	Area Category	2,215		
☐ Altered Lighting System				
Total Area of Work (ft²)	**2,215**			

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(a)1.	Allowed Lighting Power per §140.6(b) (Watts)					Adjusted Lighting Power per §140.6(a) (Watts)					Compliance Results
	01	02	03	04	05	06	07	08			09
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Additional §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	Total Allowed (Watts)	Total Designed (Watts)	Adjustments PAF Control Credits §140.6(a)2 (-)	Total Adjusted (Watts) *Includes Adjustments			05 Must be ≥08 §140.6
	(See Table I)	(See Table I)	(See Table J)	(See Table K)		(See Table F)	(See Table P)				
Conditioned:		1,667.8			= **1,667.8**	≥ 778		= **778**			**COMPLIES**
Unconditioned:					=	≥		=			

Table Continued

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Meiners Oaks Elementary School	Report Page:	Page 2 of 7
Project Address: 400 S Lomita Ave, Ojai, CA93023	Date Prepared:	2021-11-15

Controls Compliance (See Table H for Details)	**COMPLIES with Exceptional Conditions**
Rated Power Reduction Compliance (See Table Q for Details)	**Not Applicable**

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H Indoor Lighting Controls Permit Applicant Notes:
Office 1A: Multi-Levels Controls: Exempt as room/area is less than 100 square foot
Restroom 7: Multi-Levels Controls: Exempt as room/area is less than 100 square foot
Storage/IT 8: Multi-Levels Controls: Exempt as room/area is less than 100 square foot

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector Pass	Field Inspector Fail
A	2X2 Troffer LED	☐	☐	36	Mfr. Spec[2]	7	☐	252	☐	☐
B	5"X4' Linear LED	☐	☐	23	Mfr. Spec[2]	16	☐	368	☐	☐
		☐	☐		Mfr. Spec[2]		☐	0	☐	☐
E	4" Slot LED Pendant	☐	☐	23	Mfr. Spec[2]	4	☐	92	☐	☐
F	24" LED Wall Mtd	☐	☐	18	Mfr. Spec[2]	1	☐	18	☐	☐
G	4' LED Surface Mtd	☐	☐	34	Mfr. Spec[2]	1	☐	34	☐	☐
H	4" LED Downlight	☐	☐	14	Mfr. Spec[2]	1	☐	14	☐	☐
							Total Designed Watts CONDITIONED SPACES:	**778**		

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Meiners Oaks Elementary School	Report Page:	Page 3 of 7
Project Address: 400 S Lomita Ave, Ojai, CA93023	Date Prepared:	2021-11-15

[1] FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.
[2] Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

*Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03	
		Field Inspector	
Mandatory Demand Response §110.12(c)	Shut-Off Controls §130.1(c)	Pass	Fail
Not Required ≤ 10,000 SF	See Area/Space Level Controls	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector Pass	Field Inspector Fail
Library 1	Library - Reading Area	Manual ON/ OFF	Bi-level Switch	Occ. Sensor	NA	NA	☐	☐	☐
Library 2	Library - Reading Area	Manual ON/ OFF	Bi-level Switch	Occ. Sensor	NA	NA	☐	☐	☐
Office 1A	Office (> 250 square feet)	Manual ON/ OFF	Exempt*	Vacancy	NA	NA	☐	☐	☐
Study Room 5	Classroom, Lecture, Training, Vocational	Manual ON/ OFF	Dimmer	Vacancy	NA	NA	☐	☐	☐
Study Room 6	Classroom, Lecture, Training, Vocational	Manual ON/ OFF	Dimmer	Vacancy	NA	NA	☐	☐	☐
Restroom 7	Restroom	Manual ON/ OFF	Exempt*	Vacancy	NA	NA	☐	☐	☐

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Meiners Oaks Elementary School	Report Page:	Page 4 of 7
Project Address: 400 S Lomita Ave, Ojai, CA93023	Date Prepared:	2021-11-15

Storage/IT 8	Electrical, Mechanical, Telephone Rooms	Manual ON/ OFF	Exempt*	Vacancy	NA	NA	☐	☐	☐	

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. 13
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2 Plan Sheet Showing Daylit Zones:

Office 1A	*Multi-Levels Controls: Exempt as room/area is less than 100 square foot*
Restroom 7	*Multi-Levels Controls: Exempt as room/area is less than 100 square foot*
Storage/IT 8	*Multi-Levels Controls: Exempt as room/area is less than 100 square foot*

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowances / Adjustment	
					Area Category	PAF
Library 1	Library - Reading Area	0.8	846	676.8	☐	☐
Library 2	Library - Reading Area	0.8	903	722.4	☐	☐
Office 1A	Office (≤ 250 square feet)	0.7	67	46.9	☐	☐
Study Room 5	Classroom, Lecture, Training, Vocational	0.7	115	80.5	☐	☐
Study Room 6	Classroom, Lecture, Training, Vocational	0.7	115	80.5	☐	☐
Restroom 7	Restroom	0.65	54	35.1	☐	☐
Storage/IT 8	Electrical, Mechanical, Telephone Rooms	0.4	64	25.6	☐	☐
		TOTAL:	**2,164**	**1,667.8**	See Tables J or P for detail	

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Meiners Oaks Elementary School	Report Page:	Page 5 of 7
Project Address: 400 S Lomita Ave, Ojai, CA93023	Date Prepared:	2021-11-15

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Meiners Oaks Elementary School	Report Page:	Page 6 of 7
Project Address: 400 S Lomita Ave, Ojai, CA93023	Date Prepared:	2021-11-15

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCI-LTI-01-E - Must be submitted for all buildings	☐	☐
○	◉	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.	☐	☐
○	◉	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.	☐	☐
○	◉	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.	☐	☐
○	◉	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.	☐	☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
○	◉	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
○	◉	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
○	◉	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	☐	☐
○	◉	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	☐	☐

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: Meiners Oaks Elementary School	Report Page:	Page 7 of 7
Project Address: 400 S Lomita Ave, Ojai, CA93023	Date Prepared:	2021-11-15

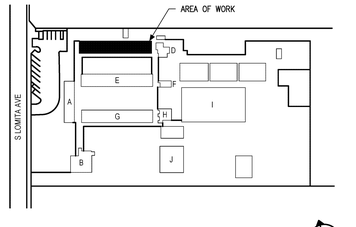
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	Al Hughes	Documentation Author Signature:	
Company:	BlueStreak Consulting	Signature Date:	2022-01-13
Address:	25001 Emery Rd. Suite 410	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	Cleveland, OH 44128	Phone:	216-223-3200

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:	Peter Fitzgerald, P.E.	Responsible Designer Signature:	
Company :	BlueStreak Consulting	Date Signed:	2022-01-13
Address:	25001 Emery Rd. Suite 410	License:	18322
City/State/Zip:	Cleveland, OH 44128	Phone:	216-223-3200



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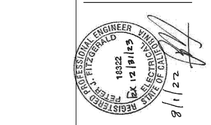


MEINERS OAKS ELEMENTARY SCHOOL- PUBLIC LIBRARY CONVERSION

400 S Lomita Ave,
Ojai, CA 93023

Project No.: 19837
Drawn By: AH
Date 4/27/2022 **Issue** DSA SUBMITTAL

E3.00

TITLE 24 CALCULATIONS

MEINERS OAKS ELEMENTARY SCHOOL

OJAI UNIFIED SCHOOL DISTRICT

400 S LOMITA AVE

OJAI, CA 93023

GENERAL NOTES - DIVISION OF THE STATE ARCHITECT

1. APPLICABLE STANDARD NFPA 72, AS ADOPTED AND AMENDED IN CBC CHAPTER 35.
2. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.
3. UPON COMPLETION OF SYSTEM INSTALLATION, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF A DSA PROJECT INSPECTOR.
4. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION.
5. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT/ENGINEER OF THE PROJECT.
6. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
7. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7. UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
8. WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR BOTTOMS MOUNTED AT 80" MINIMUM AND 96" MAXIMUM FROM FINISHED FLOOR.
9. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.
10. AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBELS (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR FIVE dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIABLE SPACE WITHIN THE BUILDING.
11. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
12. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
13. VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
14. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
15. ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
16. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
17. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 3' FROM ANY SUPPLY DIFFUSER, IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM. DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
18. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAY OR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
19. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURER'S SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.
20. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL". CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
21. THE INSTALLING CONTRACTOR SHALL PROVIDE A COMPLETED "SYSTEM RECORD OF COMPLETION" PER NFPA 72, FIGURE 7.8.2.
22. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS MOUNTED AT 48" ABOVE THE FINISHED FLOOR.
23. MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.
24. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.3.
25. SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.
26. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.

PROJECT INFORMATION

SCOPE OF WORK:

1. THE SCOPE OF WORK IS AN UPGRADE OF MEINERS OAKS ELEMENTARY SCHOOL BUILDING C'S EXISTING FIRE ALARM SYSTEM TO A NEW AUTOMATIC FIRE ALARM SYSTEM WITH EMERGENCY VOICE ALARM CAPABILITY TO ACCOMMODATE THE BUILDING RENOVATION OF TWO (2) CLASSROOMS. DUE TO THE UPGRADE OF THE NEW LIBRARY TO EMERGENCY VOICE ALARM CAPABILITY, IT IS PROPOSED TO UPGRADE THE REMAINING TWO CLASSROOMS TO VOICE ALARM CAPABILITY AT THIS TIME.
2. THE FIRE ALARM SYSTEM SHALL CONTINUE TO REPORT GENERAL ALARM, SUPERVISORY, AND TROUBLE SIGNAL TO THE REMOTE SUPERVISING STATION AS CURRENTLY CONFIGURED.
3. THE FIRE ALARM SYSTEM WITHIN BUILDING C SHALL CONSIST OF THE FOLLOWING:
   - NEW EMERGENCY VOICE EVACUATION ALARM PANEL (EVAP) LOCATED IN BUILDING A ROOM A102 DIRECTLY ADJACENT TO THE EXISTING FIRE ALARM CONTROL PANEL.
   - EMERGENCY VOICE ALARM COMMUNICATION SYSTEM (EVACS) THROUGHOUT BUILDING C.
   - VISUAL ALARM NOTIFICATION APPLIANCES IN ALL PUBLIC AND COMMON USE AREAS
   - AUDIBLE ALARMS SHALL BE PROVIDED TO ENSURE MINIMUM ALARM SOUND LEVELS ARE OBTAINED IN EVERY OCCUPIABLE SPACE IN THE BUILDING.
   - EXTERIOR AUDIBLE APPLIANCES ON EXTERIOR OF BUILDING C TO UPGRADE TO SPEAKER APPLIANCE.
   - MANUAL PULL STATIONS AT EVERY EXIT THROUGHOUT BUILDING C.
   - AUTOMATIC SMOKE DETECTION THROUGHOUT BUILDING C.
   - BUILDING C IS COMPRISED OF A MANUAL FIRE ALARM SYSTEM. WITH THE EXCEPTION OF ROOMS 1, 1A, 2, 5, 6, 7, 8, THAT HAVE BEEN UPGRADED TO AN AUTOMATIC FIRE ALARM SYSTEM.
4. EXISTING FIRE ALARM EQUIPMENT UNAFFECTED BY THE RENOVATION PROJECT SHALL REMAIN AS CURRENTLY CONFIGURED.

TYPE OF FIRE ALARM SYSTEM:

- MANUAL FIRE ALARM SYSTEM, WITH PARTIAL AUTOMATIC SYSTEM IN RENOVATED AREAS.

DSA PROJECT NUMBER AND SCHOOL DISTRICT FILE NUMBER:

SCHOOL NAME AND ADDRESS: OJAI UNIFIED SCHOOL DISTRICT
MEINERS OAKS SCHOOL
400 S LOMITA AVE
OJAI, CA 93023

APPLICABLE CODES

ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REFERENCED DESIGN STANDARDS.

2019 CALIFORNIA BUILDING CODE (CBC)

2019 CALIFORNIA FIRE CODE (CFC)

2019 CALIFORNIA MECHANICAL CODE (CMC)

2019 CALIFORNIA ELECTRICAL CODE (CEC)

2016 EDITION NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE

DIVISION OF OF THE STATE ARCHITECT (DSA) REQUIREMENTS

CONFLICTS BETWEEN THE REFERENCE NFPA STANDARDS, FEDERAL OR STATE CODES, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD (CCI) FOR RESOLUTION.

EXISTING FIRE ALARM SYSTEM ASSUMPTIONS

1. ALL EXISTING FIRE ALARM INFORMATION IS BASED ON THE LOCATIONS INDICATED ON THE PLH & ASSOCIATES FIRE ALARM PLAN SUBMITTAL DATED 12/29/2000.

DEMOLITION NOTES

1. THE PURPOSE OF THE DEMOLITION WORK IS TO COMPLETELY REMOVE THE EXISTING FIRE ALARM DEVICES AND APPLIANCES WITHIN THE RENOVATED AREAS OF BUILDING C AND TO DEMOLISH THE EXISTING AUDIBLE/VISUAL APPLIANCES IN THE ADJACENT CLASSROOMS. EXISTING CABLING AND CONDUITS TO REMAIN AND BE REUSED FOR THE NEW FIRE ALARM EQUIPMENT. THE EXISTING FIRE ALARM SYSTEM WITHIN BUILDING C WILL BE REPLACED WITH A NEW ADDRESSABLE FIRE ALARM SYSTEM WITH EMERGENCY VOICE ALARM COMMUNICATIONS.
2. VERIFY ACTUAL QUANTITIES AND LOCATIONS OF EXISTING FIRE ALARM EQUIPMENT TO BE DEMOLISHED OR RE-USED WITH THE OWNER AND GENERAL CONTRACTOR PRIOR TO COMMENCEMENT OF DEMOLITION WORK.
3. THE EXISTING FIRE ALARM SYSTEM FOR ALL BUILDINGS EXCEPT FOR BUILDING C SHALL REMAIN IN SERVICE AS PORTIONS OF THE FIRE ALARM SYSTEM WITHIN BUILDING C ARE SYSTEMATICALLY DISCONNECTED, DISMANTLED, AND REMOVED FROM SERVICE AND THE NEW FIRE ALARM SYSTEM IS INSTALLED IN ITS PLACE.
4. FIRE ALARM CONTRACTOR SHALL PROVIDE FIRE WATCH FOR BUILDING C AS REQUIRED.
5. DEMOLISH AND REMOVE ALL FIRE ALARM SYSTEM COMPONENTS WITHIN BUILDING C THAT ARE NOT RE-USED AS PART OF THE RENOVATED FIRE ALARM SYSTEM (INCLUDING ALL CABLING, CONDUITS, BACK BOXES AND SUPPORTS) ONCE THE NEW SYSTEM, OR A FIRE WATCH, IS IN PLACE. COORDINATE SHUT DOWN AND DEMOLITION OF EXISTING EQUIPMENT WITH THE GENERAL CONTRACTOR AND AHJ PRIOR TO THE START OF DEMOLITION.
6. PROPERLY DISPOSE OF ALL DEMOLISHED FIRE ALARM EQUIPMENT NOT TO BE RE-USED.
7. PROVIDE PATCHING, PAINTING OR OTHER REPAIR NECESSARY TO REPAIR DAMAGE TO WALLS, CEILINGS, ETC. CAUSED BY THE DEMOLITION OF THE FIRE ALARM SYSTEM. COORDINATE REPAIR WORK WITH GENERAL CONTRACTOR AND OWNER.
8. ALL PENETRATIONS IN FIRE RATED ASSEMBLIES RESULTING FROM THE REMOVAL OF FIRE ALARM EQUIPMENT, CONDUIT, OR CABLING SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA PER DIVISION OF STATE ARCHITECT (DSA) GENERAL NOTES.

FIRE ALARM SHEET INDEX

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122016 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/09/2022

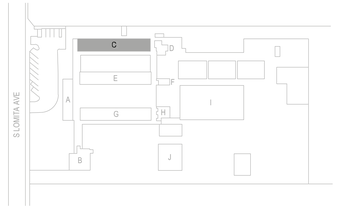
CCI
431 E. GRAND AVE. SUITE C
EL SEGUNDO, CA 90245
219-822-5880
www.codeconsultants.com

ENGINEER OF RECORD:
PAUL T. KAHLE, PE
LICENSE NO. E21908
CODE CONSULTANTS, INC.
431 E. GRAND AVE, SUITE C
EL SEGUNDO, CA 90245
PHONE: 213-822-5880
CORPORATE CERTIFICATE OF AUTHORITY NO. C3221171

FIRE ALARM SYMBOL KEY AND EQUIPMENT LIST

SYMBOL	DESCRIPTION	MAKE AND MODEL	CSFM LISTING #	QTY.
ECC	NEW EMERGENCY COMMAND CENTER; WITH 70.7 V CONVERSION; WITH CIRCUIT EXPANSION MODULE; WITH TWO (2) 12V, 18AH BATTERIES	FIRELITE ECC-50; ECC-XRM-70V; FIRELITE ECC-50W-70V (BACKUP); FIRELITE BAT-12180	6911-0075:0226	1
DOC	NEW DOCUMENTATION CABINET	SPACE AGE SSU00691	NA	1
TSM	NEW TRANSIENT SUPPRESSION MODULE (120 VAC)	DITEK DTK-120HW	7300-2105:0102	1
TSM	NEW TRANSIENT SUPPRESSION MODULE	DITEK DTK-2MHLPB	7300-2105:0100	1
AIM	NEW ADDRESSABLE MONITOR MODULE	SILENT KNIGHT - SD500-AIM	7300-0559:0132	1
ACM	NEW ADDRESSABLE CONTROL MODULE	SILENT KNIGHT - SD500-ANM	7300-0559:0132	1
F	NEW ADDRESSABLE MANUAL PULL STATION	SILENT KNIGHT SD500-PSDA	7150-0559:0136	7
S	NEW ADDRESSABLE SMOKE DETECTOR (PHOTOELECTRIC)	SILENT KNIGHT - SD505-PHOTO SILENT KNIGHT - SD505-6AB	7272-0559:0178	8
H AC	NEW ADDRESSABLE HEAT DETECTOR (FIXED TEMPERATURE) "AC" = INSTALLED ABOVE CEILING	SILENT KNIGHT - SD505-AHS SILENT KNIGHT - SD505-6AB	7270-0559:0127	7
SV XW XX	NEW WALL MOUNTED RED SPEAKER/VISUAL APPLIANCE (XW = WATTAGE TAP, XX = CANDELA RATING)	GENTEX SSPKWLP SERIES - SSPK24WLP	7320-0569:0140	6
V XX	NEW WALL MOUNTED RED VISUAL APPLIANCE (XX = CANDELA RATING)	GENTEX COMMANDER3 SERIES - GES3	7125-0569:0123	1
SP XW WP	NEW WALL MOUNTED RED EXTERIOR SPEAKER APPLIANCE (XW = WATTAGE TAP) (WP = WEATHERPROOF)	GENTEX WSSPK SERIES	7320-0569:0141	3
FACP	EXISTING FIRE ALARM CONTROL PANEL - TO REMAIN	SILENT KNIGHT - 5820XL	7165-0559:0135	1
APS	EXISTING AUXILIARY POWER SUPPLY - TO REMAIN	INTELLIKNIGHT - 5895XL	7170-0559:0135	1
TC	EXISTING TERMINAL CABINET - TO REMAIN			1
A	EXISTING WALL MOUNTED AUDIBLE APPLIANCE - TO REMAIN	GENTEX GMH	7135-1209:0124 7135-0569:0119	12
F	EXISTING MANUAL PULL STATION - TO REMAIN	EDWARDS - 270-SPO SILENT KNIGHT - SD505-MIM	7150-1388:0121	2
AV 15/75	EXISTING WALL MOUNTED AUDIBLE/VISUAL APPLIANCE - TO BE DEMOLISHED	GENTEX GEC24-15/75	7125-0569:0123	1
AV 110	EXISTING WALL MOUNTED AUDIBLE/VISUAL APPLIANCE - TO BE DEMOLISHED	GENTEX GEC24-110	7125-0569:0123	4
A	EXISTING WALL MOUNTED AUDIBLE APPLIANCE - TO BE DEMOLISHED	GENTEX GMH	7135-1209:0124 7135-0569:0119	2
S	EXISTING SMOKE DETECTOR - TO BE DEMOLISHED	SILENT KNIGHT - SD505-APS SILENT KNIGHT - SD505-6AB	7272-0559:0129	1
F	EXISTING MANUAL PULL STATION - TO BE DEMOLISHED	EDWARDS - 270-SPO SILENT KNIGHT - SD505-MIM	7150-1388:0121 7300-0559:0132	2
	NEW FIRE ALARM CONDUCTORS (RED IN COLOR)			
E	EXISTING UNDERGROUND CONDUIT AND CONDUCTORS - TO REMAIN			
	EXISTING CONDUCTORS - TO BE DEMOLISHED			
J	JUNCTION BOX			
	END OF LINE RESISTOR			

KEY PLAN



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LICENSED PROFESSIONAL ENGINEER
PAUL T. KAHLE
E 21908
EXP. 08/30/23
CIVIL
STATE OF CALIFORNIA
11/7/2022

MEINERS OAKS ELEMENTARY SCHOOL-
PUBLIC LIBRARY CONVERSION

400 S Lomita Ave,
Ojai, CA 93023

Project No.: 18637
Drawn By: PMR
Date 1/10/2022
Issue DSA SUBMITTAL

FA1.0

FIRE ALARM COVER SHEET, SHEET INDEX, NOTES, AND SYMBOL KEY

FIRE ALARM DEMOLITION KEYED NOTES

1. THE EXISTING OCCUPANT NOTIFICATION APPLIANCE SHALL BE DISCONNECTED AND REMOVED ALONG WITH THE ASSOCIATED AUDIBLE CIRCUIT CABLING. THE VISUAL CIRCUIT CABLING IS TO REMAIN FOR USE WITH FUTURE SPEAKER/VISUAL APPLIANCE. ENSURE VISUAL CIRCUIT IS OPERATIONAL AND SUPERVISED AFTER REMOVAL OF APPLIANCE.
2. THE EXISTING OCCUPANT NOTIFICATION APPLIANCE SHALL BE DISCONNECTED AND REMOVED ALONG WITH THE ASSOCIATED AUDIBLE CIRCUIT CABLING.
3. THE EXISTING OCCUPANT NOTIFICATION APPLIANCE AND THE ASSOCIATED CABLING/CONDUIT SHALL BE DEMOLISHED AND COMPLETELY REMOVED FROM THE RENOVATION AREA. PROPERLY DISPOSE OF THE OCCUPANT NOTIFICATION APPLIANCE. ENSURE ALL EXISTING EQUIPMENT TO REMAIN IS OPERATIONAL AND SUPERVISED AFTER SYSTEM RECONFIGURATION.
4. THE EXISTING MANUAL PULL STATION AND THE ASSOCIATED CABLING/CONDUIT SHALL BE DEMOLISHED AND COMPLETELY REMOVED FROM THE RENOVATION AREA. PROPERLY DISPOSE OF THE EXISTING MANUAL PULL STATION. ENSURE ALL EXISTING EQUIPMENT TO REMAIN IS OPERATIONAL AND SUPERVISED AFTER SYSTEM RECONFIGURATION.
5. THE EXISTING SMOKE DETECTOR AND THE ASSOCIATED CABLING/CONDUIT SHALL BE DEMOLISHED AND COMPLETELY REMOVED FROM THE RENOVATION AREA. PROPERLY DISPOSE OF THE EXISTING SMOKE DETECTOR. ENSURE ALL EXISTING EQUIPMENT TO REMAIN IS OPERATIONAL AND SUPERVISED AFTER SYSTEM RECONFIGURATION.
6. DISCONNECT AND REMOVE THE AUDIBLE CIRCUIT CABLING FROM EXISTING CONDUIT TO REMAIN.
7. DISCONNECT AND REMOVE THE AUXILIARY POWER SUPPLY (APS) AND KEEP IN GOOD WORKING CONDITION TO BE REUSED IN THE FUTURE STORAGE/IT ROOM.

FIRE ALARM EXISTING KEYED NOTES

1. EXISTING CONDUIT BETWEEN BUILDING A AND BUILDING C SHALL REMAIN AS CURRENTLY CONFIGURED.
2. THE EXISTING MANUAL PULL STATION AND ASSOCIATED CABLING/CONDUIT SHALL REMAIN AS CURRENTLY CONFIGURED. PROTECT IN PLACE DURING CONSTRUCTION PROCESS.
3. THE EXISTING FIRE ALARM CONTROL PANEL AND ASSOCIATED EQUIPMENT LOCATED WITHIN BLDG A ROOM 102 SHALL REMAIN AS CURRENTLY CONFIGURED. ALL NEW FIRE ALARM DEVICES AND APPLIANCES WITHIN THE RENOVATION AREAS SHALL BE CONNECTED TO THE EXISTING FIRE ALARM CONTROL PANEL. THE FIRE ALARM CONTROL PANEL SHALL CONTINUE TO TRANSMIT FIRE ALARM, SUPERVISORY, AND TROUBLE SIGNALS OFF-SITE AS CURRENTLY CONFIGURED.
4. THE EXISTING SMOKE DETECTOR AND ASSOCIATED CABLING/CONDUIT SHALL REMAIN AS CURRENTLY CONFIGURED. FIELD VERIFY THE EXISTING SMOKE DETECTOR IS IN GOOD WORKING CONDITION AND OPERATIONAL. IF THE EXISTING SMOKE DETECTOR IS NOT IN GOOD WORKING CONDITION, REPLACE THE EXISTING SMOKE DETECTOR.

FIRE ALARM KEYED NOTES

1. PROVIDE A NEW WALL MOUNTED SPEAKER/VISUAL APPLIANCE UTILIZING EXISTING JUNCTION BOX WHERE POSSIBLE. PROVIDE EXTENSION RING AS NEEDED.
2. PROVIDE A NEW WALL MOUNTED SPEAKER APPLIANCE UTILIZING EXISTING JUNCTION BOX. PROVIDE EXTENSION RING AS NEEDED.
3. COORDINATE CONNECTIONS TO DEDICATED 120 VAC POWER CIRCUITS WITH THE ELECTRICAL CONTRACTOR. PROVIDE SURGE SUPPRESSION FOR 120 VAC POWER CIRCUITS. THE DEDICATED CIRCUIT DISCONNECT SHALL BE RED IN COLOR, LABELED "FIRE ALARM CIRCUIT", AND HAVE A LOCKABLE TAB. ALL FIRE ALARM CIRCUIT BREAKERS SHALL BE CLEARLY MARKED AND MECHANICALLY SECURED TO PREVENT ANY UNAUTHORIZED TAMPERING. IDENTIFY THE LOCATION OF THE CIRCUIT DISCONNECT AT EACH PANEL. PROVIDE 24 HOUR BATTERY BACKUP IN THE NEW PANEL.
4. PROVIDE A MANUAL PULL STATION WITHIN FIVE (5) FEET OF THE EXIT DOOR. UTILIZE A SPARE ADDRESS ON THE FIRE ALARM CONTROL PANEL.
5. PROVIDE A NEW SMOKE DETECTOR. MOUNT THE SMOKE DETECTOR ON THE BOTTOM OF THE CEILING/DECK (NOT ON THE BOTTOM OF STRUCTURAL MEMBERS) AND LOCATED MORE THAN THREE (3) FEET FROM AIR SUPPLY DIFFUSERS, AS INDICATED IN NFPA 72. UTILIZE A SPARE ADDRESS ON THE FIRE ALARM CONTROL PANEL.
6. PROVIDE A NEW HEAT DETECTOR ABOVE THE CEILING. MOUNT THE HEAT DETECTOR ON THE BOTTOM OF THE DECK (NOT ON THE BOTTOM OF STRUCTURAL MEMBERS) AND LOCATED MORE THAN THREE (3) FEET FROM AIR SUPPLY DIFFUSERS, AS INDICATED IN NFPA 72. UTILIZE A SPARE ADDRESS ON THE FIRE ALARM CONTROL PANEL.
7. PROVIDE A NEW SPEAKER CIRCUIT CABLE. ENSURE SPEAKER CIRCUIT IS OPERATIONAL AND SUPERVISED IN ACCORDANCE WITH NFPA 72.
8. ALL SPEAKER NOTIFICATION APPLIANCES, LOCATED ON THE EXTERIOR SHALL BE WEATHERPROOF AND SHALL BE LISTED FOR THE INTENDED APPLICATION.
9. PROVIDE A VOICE EVACUATION CONTROL PANEL. PROVIDE ALL NECESSARY INTERFACE CONNECTIONS TO THE FIRE ALARM CONTROL PANEL FOR ACTIVATION OF THE VOICE EVACUATION PANEL. COORDINATE EXACT MOUNTING LOCATIONS OF VOICE EVACUATION CONTROL PANEL WITH THE GENERAL CONTRACTOR, OWNER, AND ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION. PROVIDE AUDIO AMPLIFIERS IN SUFFICIENT QUANTITIES TO POWER ALL SPEAKER APPLIANCES ON THE DRAWINGS AT THEIR MAXIMUM RATING. INCLUDING AN ADDITIONAL TWENTY (20) PERCENT SPARE CAPACITY PER CIRCUIT, AND TO PERFORM ALL FUNCTIONS AS OUTLINED IN THE DRAWINGS AND SPECIFICATIONS. PROVIDE ONE (1) BACKUP AMPLIFIER AT EACH GROUP OF AMPLIFIERS.
10. REUSE EXISTING UNDERGROUND CONDUIT FOR FIRE ALARM CABLING CONNECTIONS TO BLDG C. FIELD COORDINATE EXACT LOCATION AND SIZES. PROVIDE NEW SPEAKER CABLING.
11. PROVIDE TRANSIENT SUPPRESSION ON FIRE ALARM CIRCUITS THAT ENTER OR LEAVE THE BUILDING. PROVIDE ONE (1) TRANSIENT SUPPRESSION MODULE FOR EACH FIRE ALARM CIRCUIT. FIRE ALARM CABLING UNDERGROUND SHALL BE LISTED FOR WET LOCATIONS.
12. PROVIDE A DOCUMENTATION CABINET ADJACENT TO THE FIRE ALARM CONTROL PANEL TO HOUSE ALL SYSTEM DOCUMENTS IN ACCORDANCE WITH NFPA 72. SYSTEM DOCUMENTS SHALL INCLUDE (AT A MINIMUM) RECORD DRAWINGS, EQUIPMENT DATA SHEETS, SOFTWARE AND FIRMWARE CONTROL DOCUMENTATION. THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS", AND SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY AND PROTECTED FROM PUBLIC ACCESS.

GENERAL NOTES

1. PROVIDE A RECONFIGURED FIRE ALARM SYSTEM WITH EMERGENCY VOICE ALARM CAPABILITY FOR BUILDING C IN ACCORDANCE WITH NFPA STANDARDS, DSA GUIDELINES AND ALL LOCAL ADOPTED CODES AND AS INDICATED IN THE PLANS AND SPECIFICATIONS.
2. ALL FIRE ALARM EQUIPMENT SHALL BE CALIFORNIA STATE FIRE MARSHAL (CSFM) LISTED.
3. THE FIRE ALARM SYSTEM SHALL OPERATE AS A STANDALONE LOW VOLTAGE SYSTEM AND SHALL BE AN INTELLIGENT ADDRESSABLE SUPERVISED SYSTEM. CIRCUITS SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
   - INITIATING DEVICE CIRCUITS - CLASS B
   - SUPERVISORY CIRCUITS - CLASS B
   - NOTIFICATION APPLIANCE CIRCUITS - CLASS B
   - SIGNALING LINE CIRCUITS - CLASS B
   - AUXILIARY CIRCUITS - CLASS B
   - POWER CIRCUITS - CLASS B
   - CIRCUITS FOR RELAY COIL OPERATION SHALL BE 24 VDC MAXIMUM WITH A SEPARATE OR INTEGRAL FIELD COLLAPSING DIODE.
3. THE EMERGENCY VOICE ALARM PANEL (EVAP) CABINET AND DOCUMENTATION CABINET SHALL HAVE A HINGED DOOR KEYED IN COMMON WITH ALL OTHER KEYED DEVICES THROUGHOUT THE SYSTEM.
4. UPON LOSS OF BUILDING POWER, THE ENTIRE SYSTEM SHALL TRANSFER TO SECONDARY POWER WITHIN TEN (10) SECONDS, AND WITHOUT LOSS OF SIGNALS. THE SYSTEM SHALL OPERATE UNDER SECONDARY POWER IN NORMAL OR TROUBLE CONDITIONS FOR TWENTY-FOUR (24) HOURS AND HAVE SUFFICIENT POWER TO SUPPORT COMPLETE ALARM CONDITION OPERATION FOR A SUBSEQUENT FIFTEEN (15) MINUTES AT MAXIMUM CONNECTED LOAD.
5. PROVIDE AUDIO AMPLIFIERS IN SUFFICIENT QUANTITIES TO POWER ALL SPEAKER APPLIANCES ON THE DRAWINGS, INCLUDING AN ADDITIONAL TWENTY (20) PERCENT SPARE CAPACITY PER CIRCUIT, AND TO PERFORM ALL FUNCTIONS AS OUTLINED IN THE DRAWINGS AND SPECIFICATIONS. PROVIDE ONE (1) BACKUP AMPLIFIER AT EACH CONTROL PANEL OR GROUP OF AMPLIFIERS.
6. THE MANUAL MICROPHONE IN THE EVAP SHALL BE CAPABLE OF SELECTING NOTIFICATION MESSAGES BY MEANS OF CLEARLY LABELED TOGGLE SWITCHES.
7. PROVIDE SYNCHRONIZATION OF ALL VISUAL NOTIFICATION APPLIANCE CIRCUITS. PROVIDE ALL NEEDED SYNCHRONIZATION MODULES. PROVIDE MULTI-SYNC MODE SLAVE CONNECTIONS, AS REQUIRED, TO ALL AUXILIARY POWER SUPPLIES (APS).
8. SPEAKER NOTIFICATION SYSTEMS ARE DESIGNED USING 70.7 VRMS POWER LIMITED CIRCUITS, APPLIANCES, AND AMPLIFIERS. THE SYSTEM PROVIDED SHALL BE 70.7 VRMS POWER LIMITED (INCLUDING ALL CIRCUITS, APPLIANCES, AND AMPLIFIERS).
9. THE SPEAKER AND VISUAL NOTIFICATION APPLIANCES SHALL BE WHITE IN COLOR, HAVE A CLEAR LENS, SHALL BE CLEARLY LABELED AS "ALERT", AND SHALL BE LISTED FOR THE INTENDED APPLICATION.
10. ALL AUDIBLE APPLIANCES SOUND A THREE-PULSE TEMPORAL PATTERN EVACUATION SIGNAL. AUDIBLE SOUND PRESSURE LEVEL SHALL BE AT LEAST 15 dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN ALL OCCUPIABLE AREAS.
11. AUDIBLE SIGNALS INTENDED FOR OPERATION IN THE PUBLIC MODE SHALL HAVE A SOUND PRESSURE LEVEL OF NOT LESS THAN 75 dBA AT 10 FEET OR MORE THAN 110 dBA AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE.
12. ALL VISUAL APPLIANCES SHALL FLASH AT A RATE OF NOT EXCEEDING TWO FLASHES PER SECOND NOT BE LESS THAN ONE FLASH EVERY SECOND.
13. WHERE POSSIBLE, PROVIDE FLUSH MOUNTING OF NOTIFICATION APPLIANCES. WHERE SURFACE-MOUNTED NOTIFICATION APPLIANCES ARE NECESSARY, PROVIDE DECORATIVE BACKBOX SKIRT COVERING THE APPLIANCE BACKBOX.
14. DEVICES AND APPLIANCE LOCATIONS AS SHOWN ON THE FIRE ALARM PLANS ARE NOT DIMENSIONED FOR EXACT INSTALLATION. COORDINATE EXACT PLACEMENT OF ALL DEVICES AND APPLIANCES WITH THE ARCHITECTURAL PLANS AND GENERAL CONTRACTOR PRIOR TO INSTALLATION.
15. ARCHITECTURAL, MECHANICAL AND ELECTRICAL BACKGROUND INFORMATION IS SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO THE PROPER DRAWINGS FOR EXACT LOCATIONS, SIZES AND QUANTITIES OF OTHER TRADES' WORK.
16. MOUNT DETECTORS AT THE CEILING OR DECK, AND NOT ON THE BOTTOM OF BEAMS OR JOISTS. LOCATE ALL SMOKE DETECTORS A MINIMUM OF THREE (3) FEET FROM ANY MECHANICAL DIFFUSERS, AND AS REQUIRED BY NFPA 72. DETECTORS LOCATED AT THE DECK SHALL BE INSTALLED WITHIN THREE (3) FEET OF THE PEAK.
17. SMOKE DETECTOR HEADS SHALL NOT BE INSTALLED UNTIL AFTER THE CONSTRUCTION CLEAN-UP OF ALL TRADES IS COMPLETE AND FINAL.
18. ALL THROUGH-PENETRATIONS OF FIRE-RATED WALLS AND FLOORS SHALL BE FIRE-STOPPED.
19. ALL JUNCTION BOXES SHALL BE ACCESSIBLE FOR SERVICE. PROVIDE ANY REQUIRED ACCESS PANELS.
20. PROVIDE SEISMIC BRACING AS REQUIRED BY APPLICABLE CODES.
21. PROVIDE A PRINTED LABEL FOR EACH INITIATING DEVICE INDICATING THE SPECIFIC ADDRESS FOR THAT DEVICE. THE LABEL SHALL BE LOCATED ON THE BASE OF ALL DETECTORS AND THE COVER PLATES OF EACH MODULE.
22. PROVIDE A PRINTED LABEL FOR EACH NOTIFICATION APPLIANCE INDICATING THE SPECIFIC CIRCUIT NUMBER FOR THAT APPLIANCE. THE LABEL SHALL INCLUDE END OF LINE RESISTOR LOCATION, CIRCUIT NUMBER AND APPLIANCE NUMBER. THE LABEL SHALL BE LOCATED ON THE BASE OF EACH NOTIFICATION APPLIANCE.
23. MANUALLY ACTIVATING THE "ALARM SILENCE" AT THE FACP SHALL DE-ENERGIZE BOTH THE SPEAKER AND VISUAL NOTIFICATION APPLIANCES. AN ADDITIONAL ALARM REPORTED TO THE FACP SUBSEQUENT TO ACTIVATING THE "ALARM SILENCE" SHALL RE-ENERGIZE THE SPEAKER AND VISUAL NOTIFICATION APPLIANCES THROUGHOUT THE CAMPUS.
24. FINAL FIRE ALARM TEST SHALL BE SCHEDULED WITH THE PROJECT INSPECTOR. LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL FIRE ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING AT THEIR DISCRETION.
25. FIRE ALARM CONTRACTOR SHALL PROVIDE A "RECORD OF COMPLETION" TO THE PROJECT INSPECTOR AFTER COMPLETION OF OPERATIONAL ACCEPTANCE TEST.

GENERAL NOTES (CONTINUED)

28. ALL WORK SHALL BE DONE IN ACCORDANCE WITH 2019 CEC, 2019 CBC, PART 6 & 2019 T24, AND ALL APPLICABLE LOCAL CODES.
29. ELECTRICAL CONTRACTOR TO COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADE FOR SOUND PROOFING, WATER PROOFING & FIRE PROOFING, IF REQUIRED.
30. THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING AND ALLOW FOR ALL FIELD CONDITIONS. OBTAIN CONTRACT DOCUMENTS FOR ALL OTHER TRADES AND BE RESPONSIBLE FOR ALL FIRE ALARM WORK NOTED AND CALLED OUT ON THE CONTRACT DOCUMENTS. COORDINATE FIRE ALARM WORK WITH ALL OTHER TRADES ON PROJECT. COORDINATE ALL CONDUIT RUNS, FIRE ALARM EQUIPMENT AND PANEL LOCATIONS WITH ALL OTHER WORK TO AVOID CONFLICTS.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF PERSONS AND PROPERTY AND SHALL PROVIDE INSURANCE COVERAGE AS NECESSARY FOR LIABILITY, PERSONAL, PROPERTY DAMAGE, TO FULLY PROTECT THE OWNER, ARCHITECT AND ENGINEER FROM ANY AND ALL CLAIMS RESULTING FOR THIS WORK.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE LOCATING ALL EXISTING UNDERGROUND SYSTEMS IN THE AREA OF UNDERGROUND WORK, IF ANY. REPAIR ALL DAMAGED SYSTEMS TO OWNERS SATISFACTION. MAINTAIN EXTREME CARE DURING TRENCHING AS EXISTING SYSTEMS ARE KNOWN TO EXIST IN THE AREA. THE DRAWINGS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR. COORDINATE THE CONTRACT DOCUMENTS AND FIELD CONDITIONS TO DETERMIN EXACT ROUTING AND FINAL TERMINATION POINTS.
33. OBTAIN AND PAY FOR ALL PERMITS, LICENSES, AND INSPECTION FEES REQUIRED BY THIS CONTRACT WORK, UNLESS OTHERWISE NOTED.
34. MAINTAIN RECORD DRAWINGS AT THE PROJECT SITE INDICATING ALL MODIFICATIONS TO FIRE ALARM SYSTEMS. AT THE CONCLUSION OF THE PROJECT, PROVIDE ACCURATE "AS-BUILT" DRAWINGS ACCEPTABLE TO ARCHITECT.
35. PLANS SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION PRIOR TO BEGINNING WORK. SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW PRIOR TO PURCHASE.
36. ALL DEVICES AND EQUIPMENT INSTALLED OUTDOORS OR EXPOSED TO THE WEATHER SHALL BE OF WEATHERPROOF CONSTRUCTION.
37. THE FIRE ALARM PLANS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL OF THE ARCHITECTURAL DETAIL OR SPECIFICS OF CONSTRUCTION. TAKE ALL DIMENSIONS FROM THE ARCHITECTURAL DRAWINGS. PRIOR TO ROUGH-IN, CONTRACTOR TO REVIEW ALL SUBMITTALS OF EQUIPMENT PROVIDED BY OTHER TRADE AND MAKE NECESSARY ADJUSTMENTS.
38. IN CASE OF REQUIREMENT DISCREPANCIES BETWEEN CONTRACT DOCUMENTS, THE MOST STRINGENT SHALL APPLY AT NO COST TO THE OWNER.
39. ALL EQUIPMENT SHALL BE UL LISTED AND SHALL BE INSTALLED AS PER THEIR LISTINGS. INSTALLATION INSTRUCTION FOR ALL UL LISTED EQUIPMENT SHALL BE MADE AVAILABLE TO THE BUILDING INSPECTOR AT THE TIME OF INSPECTION.
40. UNLESS OTHERWISE NOTED, ALL EQUIPMENT/DEVICES SHALL BE PROVIDED (FURNISHED, INSTALLED COMPLETE WITH REQUIRED INDUSTRY STANDARD MOUNTING HARDWARE AND WIRED) BY THE CONTRACTOR.
41. ALL MATERIALS PROVIDED FOR THE PROJECT SHALL BE NEW, UNLESS OTHERWISE NOTED. PROVIDE ALL INCIDENTAL MATERIALS REQUIRED FOR A COMPLETE INSTALLATION.

SHOP DRAWING SUBMITTAL NOTES

THE ENGINEERING DRAWINGS WERE PREPARED USING AUTOCAD AND WILL BE MADE AVAILABLE TO THE FIRE ALARM CONTRACTOR IN ELECTRONIC (.DWG) FORMAT.

THE AWARDED FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCING SHOP DRAWINGS FOR THE FIRE ALARM SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES.

GENERAL PROGRAMMING NOTES

1. CONTROL-BY-EVENT PROGRAMMING IS PROVIDED FOR GENERAL INFORMATIONAL PURPOSES ONLY. SPECIFIC SYSTEM PROGRAMMING SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR IN SHOP DRAWING SUBMITTAL.
2. COORDINATE SPECIFIC ALPHANUMERIC DESCRIPTIONS WITH THE OWNER PRIOR TO SYSTEM PROGRAMMING.
3. THE FIRE ALARM CONTRACTOR SHALL PROVIDE SPARE ADDRESSABLE CAPACITY FOR ALL SPEAKER CIRCUITS AND ASSOCIATED CARDS.
4. THE FIRE ALARM CONTRACTOR SHALL REVISE THE CONTROL-BY-EVENT PROGRAMMING TO INCLUDE ALL SPECIFIC SYSTEM REQUIREMENTS.

FIRESTOP NOTES

1. ALL THROUGH-PENETRATIONS OF FIRE-RATED WALLS AND FLOORS SHALL BE FIRE-STOPPED.
2. FIRE-RATED GYPSUM BOARD WALLS CONSTRUCTED AS DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGNS IN THE U.L. FIRE RESISTANCE DIRECTORY (GENERALLY DOUBLE THICKNESS WALLBOARD) SHALL BE FIRE-STOPPED WITH U.L. SYSTEMS.
3. ALL REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOORS OR WALLS, AND ALL U.L. CLASSIFIED CONCRETE BLOCK WALLS SHALL BE FIRE-STOPPED WITH U.L. SYSTEMS.

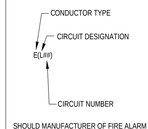
INSTALLATION NOTES

1. SEE WIRING LEGEND FOR CABLE TYPES AND SIZES.
2. ALL WORK SHALL BE IN ACCORDANCE WITH NFPA STANDARDS, DSA GUIDELINES, AND ALL LOCAL ADOPTED CODES.
3. CABLE ROUTING SHOWN ON DRAWINGS IS FOR INTENT. EXACT ROUTING TO BE COORDINATED WITH OTHER TRADES IN THE FIELD. SEE SPECIFICATIONS AND DRAWING NOTES FOR ACCEPTABLE INSTALLATION METHODS.
4. PROVIDE ALL REQUIRED CONDUIT, BACKBOXES, AND FITTINGS FOR THE FIRE ALARM SYSTEM CABLING. THE FIRE ALARM CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR TO DETERMINE THE EXTENT OF ALL FIRE ALARM CONDUIT AND BACKBOX REQUIREMENTS.
5. ALL FIRE ALARM CABLING SHALL BE FPL, FPLR OR FPLP AS REQUIRED BY THE ELECTRICAL CODE. SEE WIRING LEGEND FOR CABLE TYPES AND SIZES.
6. FIRE ALARM CABLING SHALL NOT BE PAINTED.
7. FIRE ALARM CABLING SHALL BE LABELED AS FIRE ALARM CABLING AND SHALL BE LISTED FOR THE INTENDED APPLICATION.
8. ALL CONDUCTORS NOT IN CONDUIT SHALL BE NEATLY BUNDLED, WRAPPED TIGHT AND PROPERLY SECURED. ANY CABLING NOT INSTALLED IN A NEAT AND PROFESSIONAL MANNER SHALL BE PULLED OUT AND RE-RUN BY INSTALLER, AT NO ADDITIONAL COST TO THE OWNER.
9. RUN ALL CONDUIT AND CONDUCTORS NOT IN CONDUIT AT RIGHT ANGLES TO THE BUILDING WALLS, FLOORS AND CEILING, AND SUPPORTED FROM THE BUILDING STRUCTURE AT INTERVALS COMPLIANT WITH CALIFORNIA ELECTRICAL CODE REQUIREMENTS.
10. ALL CONDUCTORS IN FIRE ALARM EQUIPMENT ENCLOSURES SHALL BE RUN IN THE VERTICAL OR HORIZONTAL PLANE. MAKE ALL TURNS AT RIGHT ANGLES AND TIGHTLY BUNDLE AND WRAP.
11. IDENTIFY ALL CONDUCTORS WITH PERMANENT MARKINGS. CONDUCTOR MARKINGS SHALL BE PRINTED LABELS, PERMANENTLY AFFIXED TO THE CONDUCTOR VIA SHRINK WRAP.
12. EXPOSED CABLING SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURE. EXPOSED CABLING SHALL NOT BE RUN IN A "SPAN" FASHION BETWEEN BAR JOISTS OR BEAMS (I.E.: CABLING SHALL BE ROUTED ALONG PATH OF JOISTS AND BEAMS). ALL CABLING SHALL BE SECURED TO THE STRUCTURAL CEILING BETWEEN JOISTS OR BEAMS, AND AS INDICATED IN SPECIFICATIONS.
13. ALL CABLING SHALL BE SUPPORTED FROM BUILDING STRUCTURE AND NOT FROM GRID, TILES, OR SUPPORT WIRES. ALL CABLING NOT IN CONDUIT SHALL BE SUPPORTED BY BUILDING STRUCTURE AT NO MORE THAN FIVE (5) FOOT INTERVALS.
14. ALL JUNCTION BOXES SHALL BE ACCESSIBLE FOR SERVICE. PROVIDE ANY REQUIRED ACCESS PANELS.
15. ALL FIRE ALARM CABLING IN SPRINKLER, ELECTRICAL, MECHANICAL, ELEVATOR EQUIPMENT ROOMS, AND SUBJECT TO PHYSICAL DAMAGE SHALL BE INSTALLED IN METALLIC CONDUIT.
16. ALL EXPOSED VERTICAL CABLING SEVEN (7) FEET ABOVE THE FINISHED FLOOR SHALL BE INSTALLED IN METALLIC CONDUIT.
17. ALL POWER LIMITED FIRE ALARM CABLING ABOVE THE STRUCTURE, ABOVE LAY-IN CEILINGS, OR CONCEALED ABOVE CEILINGS OR IN PARTITIONS (NOT SUBJECT TO PHYSICAL DAMAGE) ARE NOT REQUIRED TO BE INSTALLED IN CONDUIT.
18. ALL CONDUIT SHALL BE TERMINATED WITH SOME FORM OF GROMMET OR BOX CONNECTOR.
19. ALL CONDUIT LOCATED IN DRYWALL SHALL BE TERMINATED NO LESS THAN SIX (6) INCHES ABOVE THE CEILING TILE.
20. FOR DRYWALL APPLICATIONS, ALL CONDUIT AND BACKBOXES SHALL BE RECESSED INSIDE THE WALL.
21. ALL FIRE ALARM CABLING IN FINISHED AREAS SHALL BE CONCEALED.
22. ALL FIRE ALARM CABLING LOCATED IN EXTERIOR SPACES SHALL BE LISTED FOR WET LOCATIONS AND SHALL BE OF AN APPROVED TYPE IN ACCORDANCE WITH CALIFORNIA ELECTRICAL CODE.
23. COORDINATE DRILLING OF ANY HOLES (I.E. COLUMN PENETRATIONS) WITH THE GENERAL CONTRACTOR AND ALL OTHER TRADES PRIOR TO INSTALLATION.
24. ALL CABLING, CONDUIT, AND BACKBOXES SHALL BE PROPERLY SUPPORTED AND SEISMICALLY BRACED, AS REQUIRED BY ALL APPLICABLE CODES AND THE LOCAL JURISDICTION.
25. FIRE ALARM CONDUCTORS SHALL BE ACCEPTABLE TO THE FIRE ALARM EQUIPMENT MANUFACTURER FOR THE INTENDED PURPOSE. SHOULD MANUFACTURER OF FIRE ALARM EQUIPMENT REQUIRE DIFFERENT TYPE OR SIZE OF CABLE THAN HEREIN SPECIFIED, THE LARGER OR MORE STRINGENT TYPE OF CABLE SHALL BE USED.
26. CONDUIT AND CABLING SHALL ENTER INTO THE EMERGENCY VOICE EVACUATION PANEL ONLY AS APPROVED BY THE EQUIPMENT MANUFACTURER.
27. ALL FIRE ALARM JUNCTION BOXES SHALL BE RED IN COLOR.
28. COORDINATE INSTALLATION OF A GROUND ROD OR ACCEPTABLE BUILDING GROUND FOR PROPER GROUNDING OF THE EMERGENCY VOICE EVACUATION PANEL WITH THE ELECTRICAL CONTRACTOR.
29. ALL SIGNALING LINE CIRCUITS, INITIATING DEVICE CIRCUITS, AND NOTIFICATION APPLIANCE CIRCUITS SHALL BE SUPERVISED IN ACCORDANCE WITH NFPA 72.
30. PROVIDE END OF LINE RESISTORS FOR ALL INITIATING DEVICE CIRCUITS AND NOTIFICATION APPLIANCE CIRCUITS PER MANUFACTURER SPECIFICATIONS.
31. ALL FIRE ALARM DEVICES SHALL BE INSTALLED IN OR ON A PROPER BACKBOX. NO DEVICES SHALL BE INSTALLED WITHOUT A BACKBOX. ALL DEVICES SHALL BE MOUNTED IN AN ACCESSIBLE LOCATION FOR TESTING AND MAINTENANCE.
32. ALL CONDUCTORS SHALL BE PULLED SPLICE FREE. CONDUCTORS SHALL BE CONTINUOUS FROM DEVICE TO DEVICE. THE USE OF WIRE NUTS, CRIMPED CONNECTORS, OR TWISTING OF CONDUCTORS IS PROHIBITED. ALL TERMINATIONS SHALL BE AT A TERMINAL STRIP UTILIZING SCREW TERMINALS.
33. CONDUCTORS THAT ARE TERMINATED, SPLICED, OR OTHERWISE INTERRUPTED IN ANY ENCLOSURE, CABINET, MOUNTING OR JUNCTION BOX SHALL BE CONNECTED TO SCREW-TYPE TERMINAL BLOCKS.

FIRE ALARM SHEET INDEX

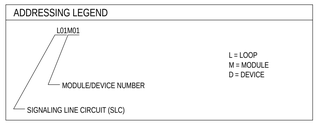
WIRING LEGEND

CONDUCTOR TYPE:	CIRCUIT DESIGNATION:
D = 14/2 TP SHIELDED	L = INITIATION DATA CIRCUIT
E = 16/2	V = VISUAL NOTIFICATION CIRCUIT
F = 12/2 (PURPLE/BROWN)	SP = SPEAKER NOTIFICATION CIRCUIT
G = 12/2 (RED/BLACK)	PW = LOW VOLTAGE POWER CIRCUIT
H = 14/2 TP SHIELDED WET LOCATION	COM = COMMUNICATION BUS
J = 16/4	



SHOULD MANUFACTURER OF FIRE ALARM EQUIPMENT REQUIRE A DIFFERENT TYPE OR SIZE OF CABLE THAN HEREIN SPECIFIED, THE LARGER OR MORE STRINGENT TYPE OF CABLE SHALL BE USED.

ADDRESSING LEGEND



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DATE: 11/09/2022

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STATE OF CALIFORNIA
11/09/2022

MEINERS OAKS ELEMENTARY SCHOOL-PUBLIC LIBRARY CONVERSION

400 S Lomita Ave,
Ojai, CA 93023

Project No.:	18637
Drawn By:	PMR
Date	Issue
1/10/2022	DSA SUBMITTAL

FA1.1

FIRE ALARM NOTES

SITE PLAN NOTES

1. EXISTING CONDUIT CONNECTING BUILDINGS ON THE CAMPUS SHALL BE REUSED. PROVIDE TRENCHING AND NEW UNDERGROUND CONDUIT ONLY AS REQUIRED.
2. ALL EXTERIOR SPEAKER APPLIANCES SHALL BE LISTED FOR OUTDOOR APPLICATIONS.
3. PROVIDE A TERMINATION CAN AND TERMINAL BLOCKS FOR ALL BUILDING ENTRANCES.
4. PROVIDE TRANSIENT SUPPRESSION MODULES FOR ALL FIRE ALARM CIRCUITS ENTERING AND LEAVING THE BUILDING.
5. CONTRACTOR SHALL CLOSELY INSPECT ALL BUILDING EXISTING SITE CONDITIONS AND REVIEW RECORD DRAWINGS TO IDENTIFY MEANS AND METHODS AND UNANTICIPATED WORK REQUIRED TO DELIVER THE DESIGN INTENT.
6. CONTRACTOR SHALL CLOSELY INSPECT ALL EXISTING SITE CONDITIONS AND REMOVE ALL FIRE ALARM SYSTEM WORK BEING REPLACED. PROVIDE ALL WORK REQUIRED TO PATCH, FILL-IN, ETC. ALL REMOVAL OPENINGS TO DELIVER A PROPER AND AESTHETICALLY PLEASING FINAL ARCHITECTURAL AND FINISH CONDITION.

FIRE ALARM SHEET INDEX

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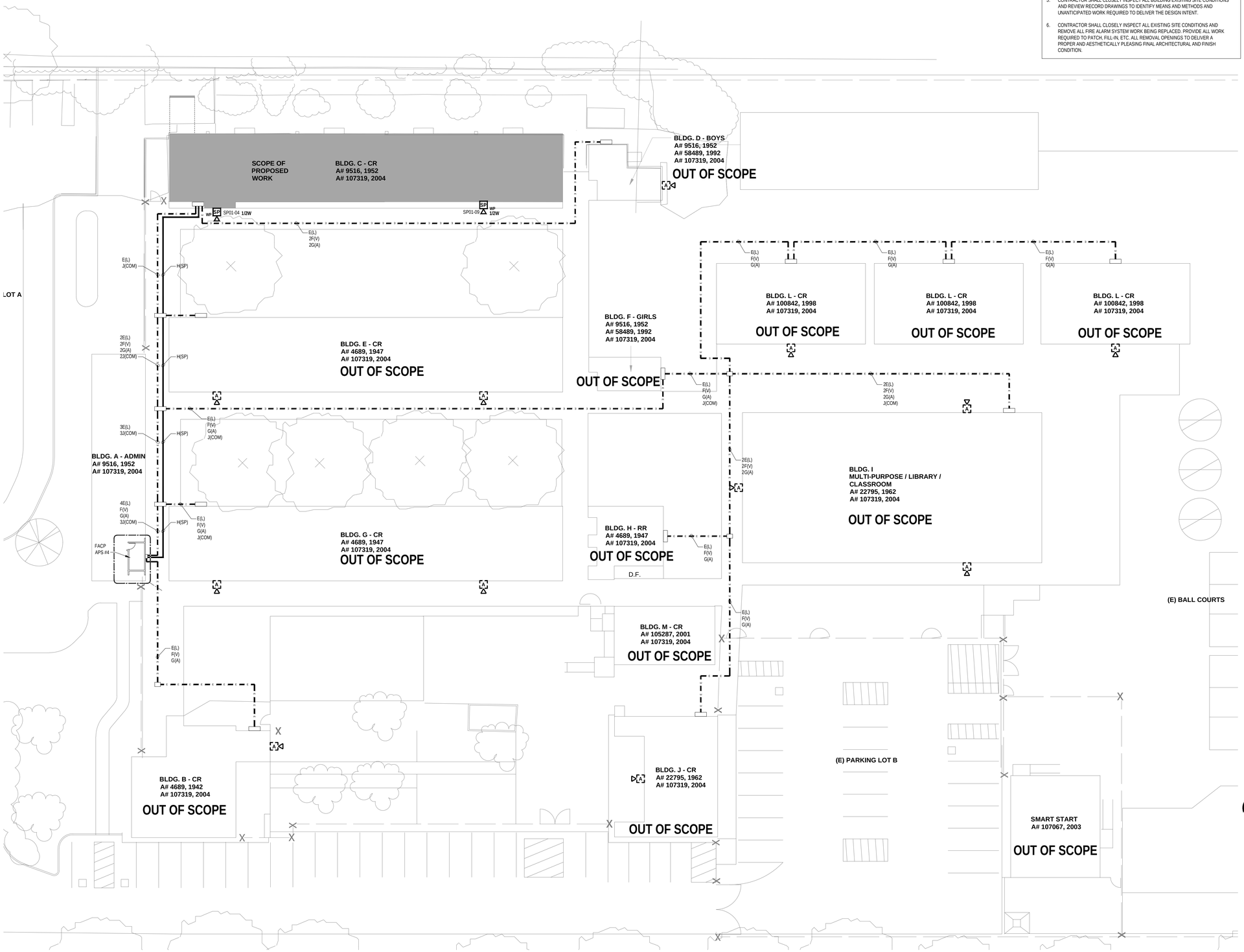
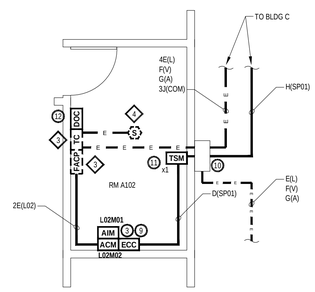
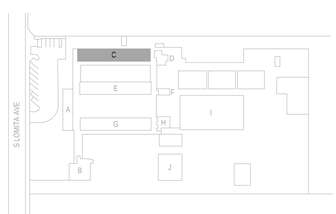


1 OVERALL FIRE ALARM SITE PLAN
1/16" = 1'-0"



1 FA2.0 ENLARGED FIRE ALARM PLAN - ROOM A102
1/4" = 1'-0"

KEY PLAN



FA2.0

OVERALL FIRE ALARM SITE PLAN

FIRE ALARM SHEET INDEX		
	SHEET #	SHEET TITLE
1 OF 9	FA1.0	FIRE ALARM COVER SHEET, SHEET INDEX, NOTES, AND SYMBOL KEY
2 OF 9	FA1.1	FIRE ALARM NOTES
3 OF 9	FA2.0	OVERALL FIRE ALARM SITE PLAN
4 OF 9	FA2.1	FIRE ALARM DEMO PLAN: BLDG C
5 OF 9	FA2.2	FIRE ALARM NEW PLAN: BLDG C
6 OF 9	FA3.0	FIRE ALARM MATRIX & CONTROL-BY-EVENT PROGRAMMING
7 OF 9	FA3.1	FIRE ALARM DETAILS
8 OF 9	FA3.2	FIRE ALARM RISER DIAGRAMS
9 OF 9	FA3.3	FIRE ALARM CALCULATIONS

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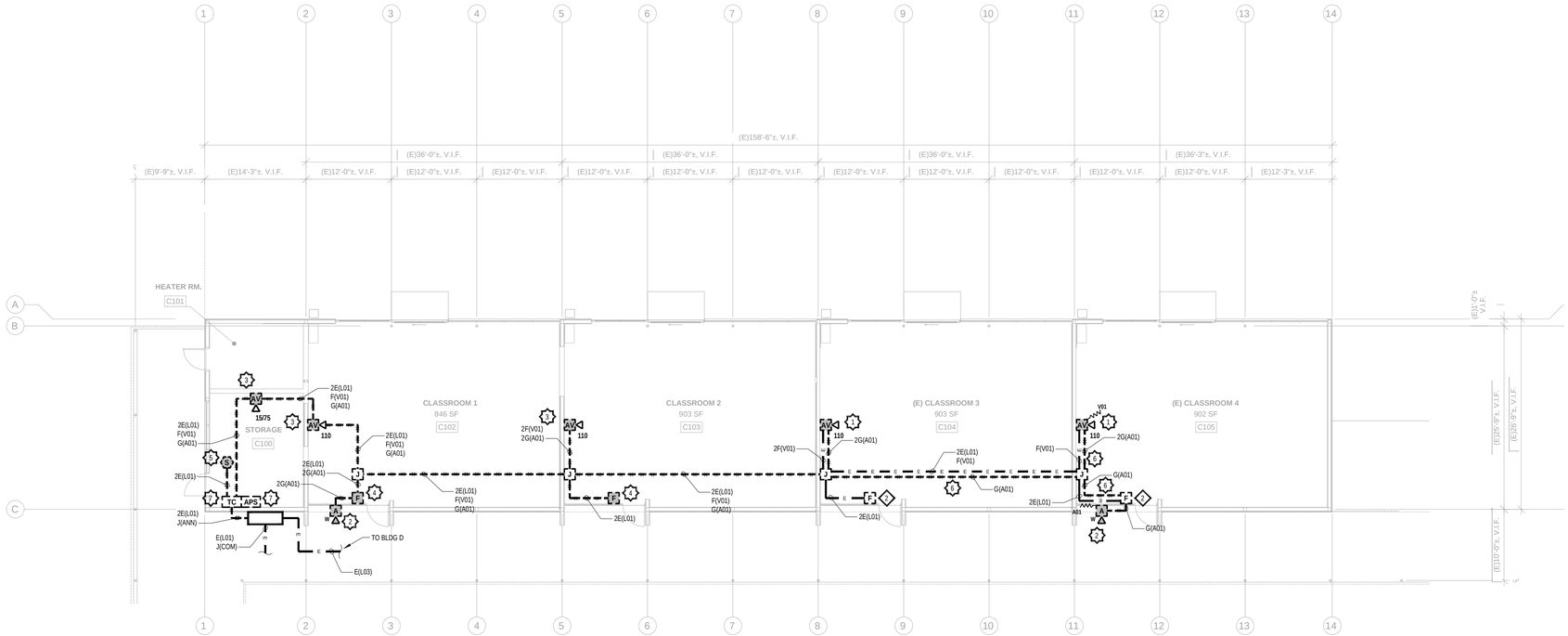
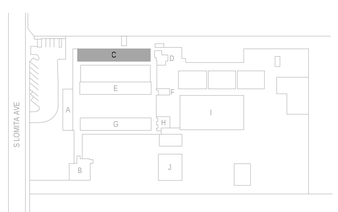


1 FIRE ALARM DEMOLITION PLAN: BUILDING C
1/8" = 1'-0"

KEY PLAN



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FIRE ALARM
DEMO PLAN: BLDG C

FIRE ALARM SHEET INDEX		
	SHEET #	SHEET TITLE
1 OF 9	FA1.0	FIRE ALARM COVER SHEET, SHEET INDEX, NOTES, AND SYMBOL KEY
2 OF 9	FA1.1	FIRE ALARM NOTES
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6 OF 9	FA3.0	FIRE ALARM MATRIX & CONTROL-BY-EVENT PROGRAMMING
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9 OF 9	FA3.3	FIRE ALARM CALCULATIONS

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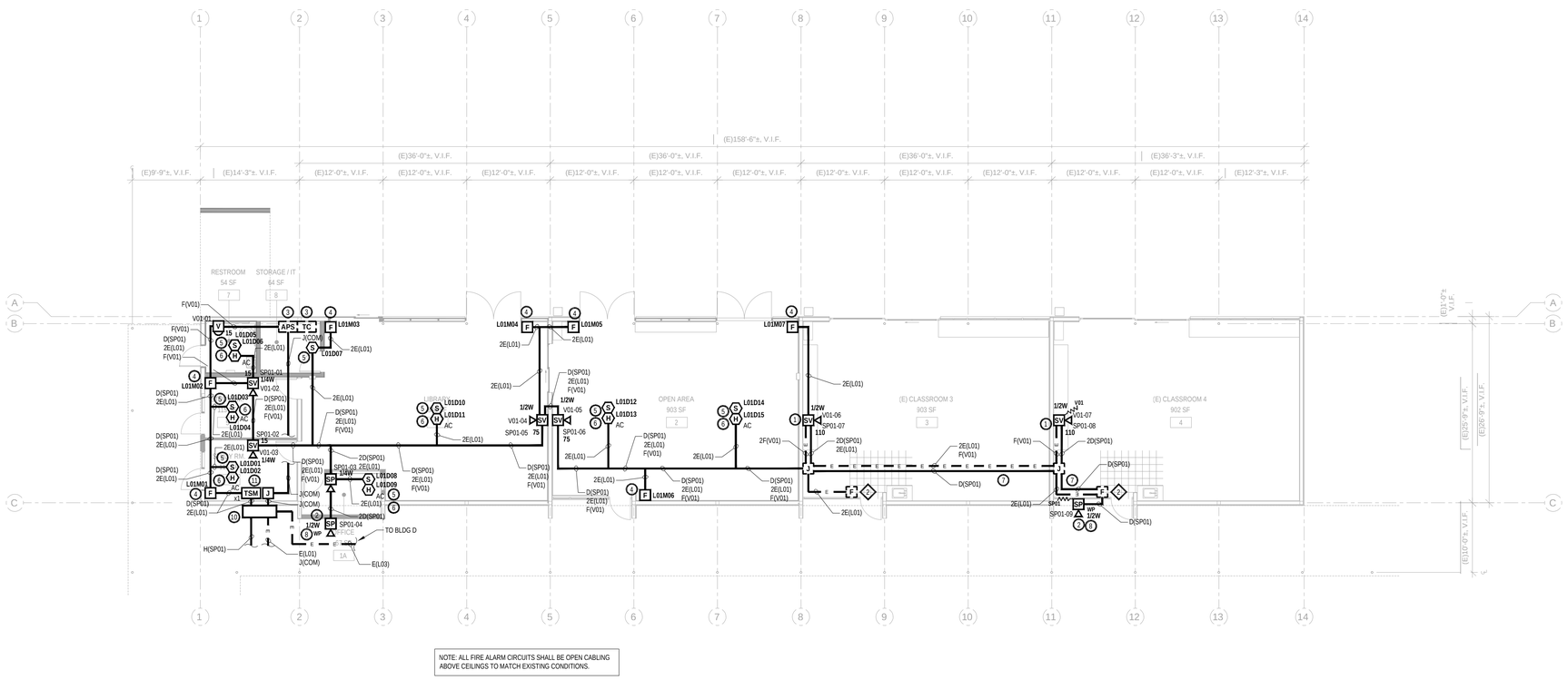
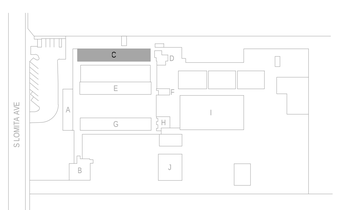


NOTE: ALL FIRE ALARM CIRCUITS SHALL BE OPEN CABLING ABOVE CEILINGS TO MATCH EXISTING CONDITIONS.

1 FIRST FLOOR PLAN
1/8" = 1'-0"

KEY PLAN



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FA2.2

FIRE ALARM
NEW PLAN: BLDG C

FIRE ALARM MATRIX

	ACTUATES ALARM CONDITION AT FIRE ALARM CONTROL PANEL	ANNUNCIATES ALARM CONDITION AT REMOTE FIRE ALARM ANNUNCIATOR PANELS	TRANSMITS ALARM SIGNAL TO AN APPROVED SUPERVISING STATION AS CURRENTLY CONFIGURED	ACTUATES TROUBLE CONDITION AT REMOTE FIRE ALARM CONTROL PANEL	ANNUNCIATES TROUBLE CONDITION AT FIRE ALARM CONTROL PANEL	TRANSMITS TROUBLE SIGNAL TO AN APPROVED SUPERVISING STATION AS CURRENTLY CONFIGURED	ACTUATES INTERIOR AUDIBLE NOTIFICATION APPLIANCES THROUGHOUT THE CAMPUS (DEMERS IN BUILDING C ACROSS BUILDINGS)	ACTUATES INTERIOR VISUAL NOTIFICATION APPLIANCES THROUGHOUT THE CAMPUS
MANUAL PULL STATION								
- STUDY ROOMS	●	●	●			●	●	
- LIBRARY	●	●	●			●	●	
- OPEN AREA	●	●	●			●	●	
- CLASSROOM 3 & 4	●	●	●			●	●	
SMOKE DETECTION DEVICES								
- ABOVE FACP, AMPLIFIERS AND APS'S	●	●	●			●	●	
LOSS OF PRIMARY POWER AT THE FACP, AMPLIFIER, OR APS				●	●	●		
ABNORMAL CIRCUIT OR DEVICE				●	●	●		

ADDRESS	TYPE I.D.	ALPHANUMERIC LABEL OF DEVICE
L01D01	SMOKE	STUDY ROOM 6
L01D02	HEAT	STUDY ROOM 6 - ABOVE CEILING
L01D03	SMOKE	STUDY ROOM 5
L01D04	HEAT	STUDY ROOM 5 - ABOVE CEILING
L01D05	SMOKE	TOILET
L01D06	HEAT	TOILET - ABOVE CEILING
L01D07	SMOKE	BUILDING C - STORAGE / IT ABOVE APS
L01D08	SMOKE	OFFICE
L01D09	HEAT	OFFICE - ABOVE CEILING
L01D10	SMOKE	LIBRARY
L01D11	HEAT	LIBRARY - ABOVE CEILING
L01D12	SMOKE	OPEN AREA
L01D13	HEAT	OPEN AREA - ABOVE CEILING
L01D14	SMOKE	OPEN AREA
L01D15	HEAT	OPEN AREA - ABOVE CEILING

ADDRESS	TYPE I.D.	ALPHANUMERIC LABEL OF DEVICE
L01M01	PULL	BUILDING C - STUDY ROOM 6
L01M02	PULL	BUILDING C - STUDY ROOM 5
L01M03	PULL	BUILDING C - LIBRARY
L01M04	PULL	BUILDING C - LIBRARY
L01M05	PULL	BUILDING C - OPEN AREA
L01M06	PULL	BUILDING C - OPEN AREA
L01M07	PULL	BUILDING C - OPEN AREA

ADDRESS	TYPE I.D.	ALPHANUMERIC LABEL OF DEVICE
L02M01	MONITOR	BUILDING A - ROOM A102 ECC-50 TROUBLE
L02M02	CONTROL	BUILDING A - ROOM A102 ECC-50 ACTIVATION

NOTE: ADDRESSES SHOWN FOR REFERENCE ONLY. COORDINATE AVAILABLE ADDRESSES WITH EXISTING FIRE ALARM PROGRAM TO AVOID DUPLICATE ADDRESS.

FIRE ALARM SHEET INDEX

IDENTIFICATION STAMP
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STATE OF CALIFORNIA
11/09/2022

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PUBLIC LIBRARY CONVERSION
400 S Lomita Ave,
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Project No.: 18637
Drawn By: PMR
Date 1/10/2022
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FA3.0

FIRE ALARM MATRIX & CONTROL-BY-EVENT PROGRAMMING

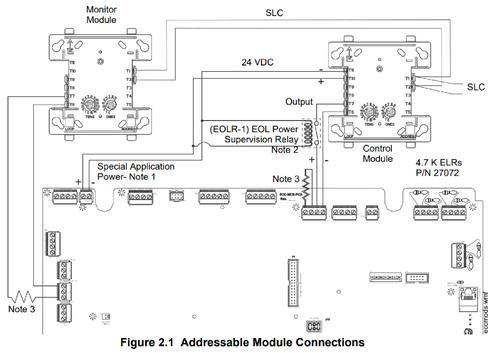


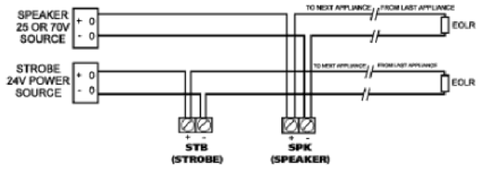
Figure 2.1 Addressable Module Connections

Notes:

1. 24 VDC Auxiliary Power terminals for special application power only. Wiring must remain in the room.
2. Supervise the wiring between the ECC-50/100 Auxiliary Power output and the control module with an EOL relay (EOLR-1).
3. End-of-Line resistor supplied with modules.

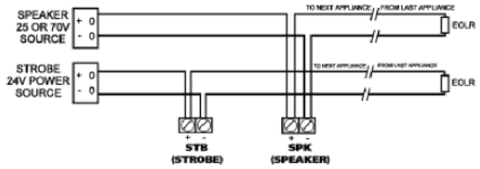
ECC-50/100 EMERGENCY COMMAND CENTER

NOT TO SCALE



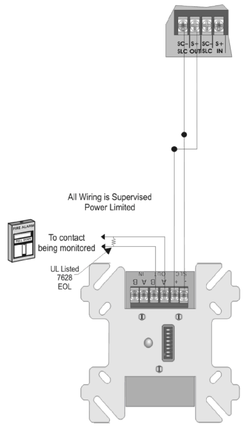
SSPK24WLP SPEAKER/VISUAL APPLIANCE

NOT TO SCALE



WSSPK OUTDOOR SPEAKER APPLIANCE

NOT TO SCALE



SD500-AIM ADDRESSABLE MONITOR MODULE

NOT TO SCALE

FIRE ALARM SHEET INDEX		
	SHEET #	SHEET TITLE
1 OF 9	FA1.0	FIRE ALARM COVER SHEET, SHEET INDEX, NOTES, AND SYMBOL KEY
2 OF 9	FA1.1	FIRE ALARM NOTES
3 OF 9	FA2.0	OVERALL FIRE ALARM SITE PLAN
4 OF 9	FA2.1	FIRE ALARM DEMO PLAN: BLDG C
5 OF 9	FA2.2	FIRE ALARM NEW PLAN: BLDG C
6 OF 9	FA3.0	FIRE ALARM MATRIX & CONTROL-BY-EVENT PROGRAMMING
7 OF 9	FA3.1	FIRE ALARM DETAILS
8 OF 9	FA3.2	FIRE ALARM RISER DIAGRAMS
9 OF 9	FA3.3	FIRE ALARM CALCULATIONS

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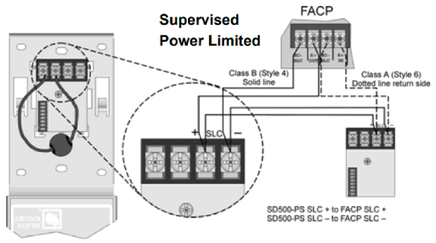
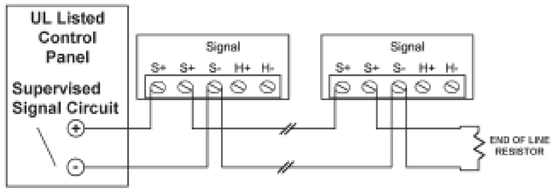


Figure 1: Fire Pull Station Wiring

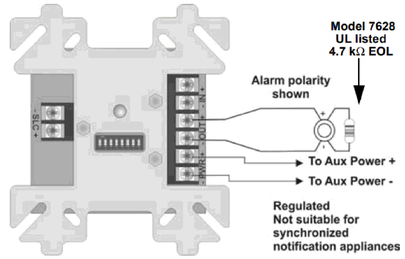
SD500-PSDA ADDRESSABLE PULL STATION

NOT TO SCALE



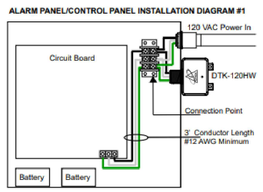
GES3 VISUAL APPLIANCE

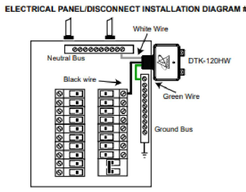
NOT TO SCALE

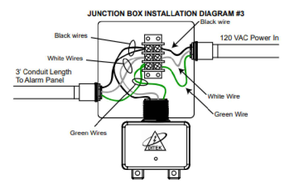


SD500-ANM ADDRESSABLE CONTROL MODULE

NOT TO SCALE

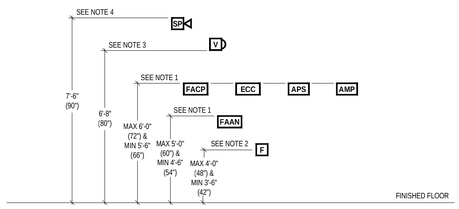






DTK-120HW SURGE SUPPRESSION MODULE

NOT TO SCALE

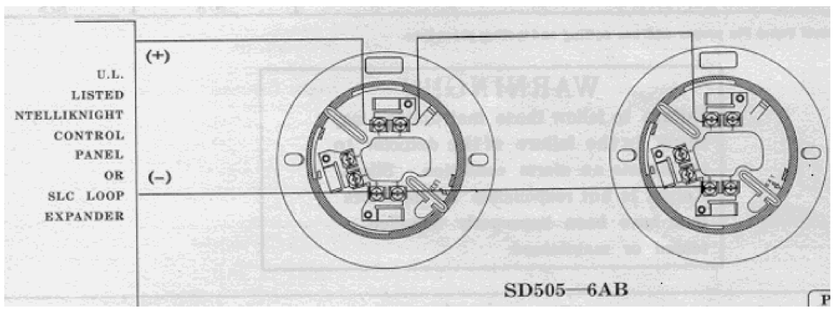


NOTES:

1. COORDINATE EXACT MOUNTING HEIGHT OF CONTROL PANELS, ANNUNCIATORS, AND POWER SUPPLIES WITH THE GENERAL CONTRACTOR, ELECTRICAL CONTRACTOR AND AHJ PRIOR TO INSTALLATION.
2. MEASURED TO THE OPERABLE PART OF THE PULL STATION.
3. MEASURED TO THE BOTTOM OF THE LENS.
4. MEASURED TO THE TOP OF THE BACKBOX.
5. WHERE INDICATED ON THE DRAWINGS - LOCATE CEILING MOUNTED DETECTORS FLUSH WITH THE CEILING/DECK, AND AS INDICATED IN NFPA 72.

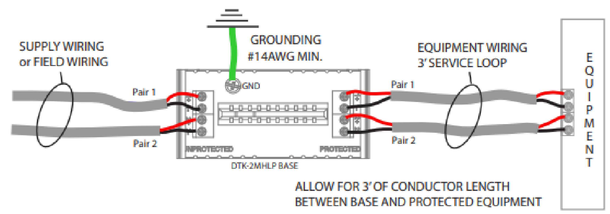
TYPICAL MOUNTING HEIGHT DETAIL

NOT TO SCALE



SD505 ADDRESSABLE SMOKE DETECTOR & SD505-AHS ADDRESSABLE HEAT DETECTOR

NOT TO SCALE



DTK-2MHLPB SURGE SUPPRESSION MODULE

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FA3.1

FIRE ALARM DETAILS

FIRE ALARM SHEET INDEX		
	SHEET #	SHEET TITLE
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8 OF 9	FA3.2	FIRE ALARM RISER DIAGRAMS
9 OF 9	FA3.3	FIRE ALARM CALCULATIONS

IDENTIFICATION STAMP
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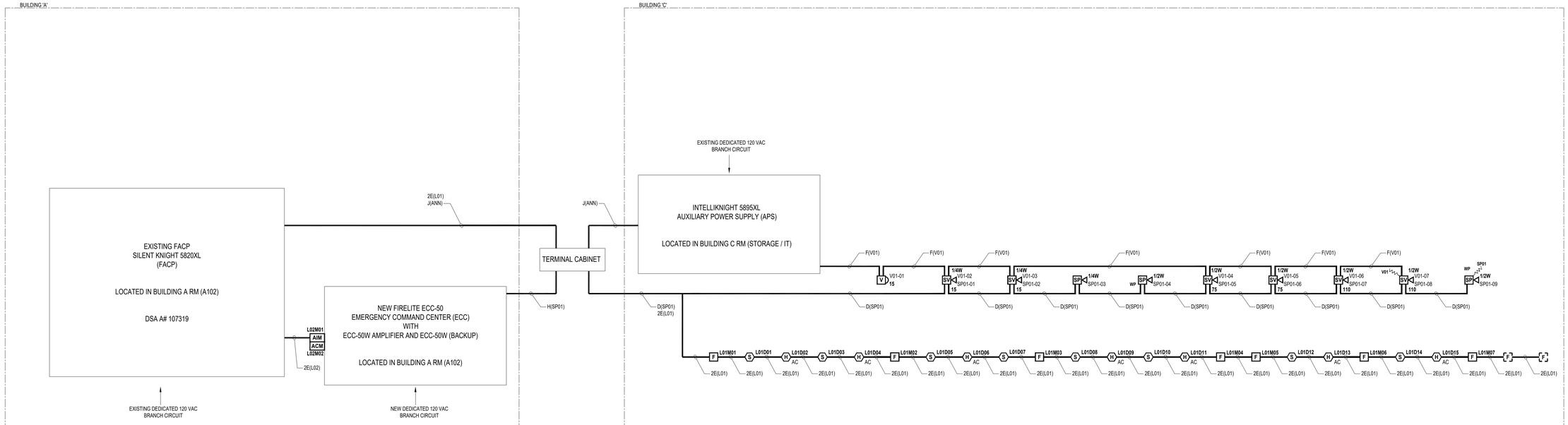
11/1/2022



MEINERS OAKS ELEMENTARY SCHOOL-
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FA3.2

FIRE ALARM
RISER DIAGRAMS

FIRE ALARM SHEET INDEX

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FIRE ALARM BATTERY CALCULATIONS

1. THE SECONDARY POWER CALCULATIONS FOR THE AUXILIARY POWER SUPPLY HAVE BEEN COMPLETED AT WORST-CASE SCENARIO ASSUMING THAT ALL OUTPUT CURRENT IS ISSUED.
2. THE SECONDARY POWER CALCULATIONS FOR THE EMERGENCY COMMAND CENTER AND AMPLIFIERS HAVE BEEN COMPLETED AT WORST-CASE SCENARIO ASSUMING THAT ALL AMPLIFIERS ARE LOADED TO MAXIMUM CAPACITY.

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NOTIFICATION CIRCUIT VOLTAGE DROP CALCULATIONS

SIGNAL CIRCUIT DESCRIPTION	APS / CIRCUIT LOCATION	MAXIMUM DISTANCE TO LAST APPLIANCE		VOLTAGE DROP CALCULATIONS		
		ALARM CURRENT (AMPS)	12 AWG (FEET)	CIRCUIT LENGTH (FEET)	12 AWG (VOLTS)	V-DROP (12 AWG)
APS #1	STORAGE/IT					
V01	BUILDING C	0.951	1,199	183	19.73	0.67

NOTES:
1. NOTIFICATION APPLIANCE CIRCUITS (NAC) DESIGNED FOR A MAXIMUM 2.0 AMPS, A MAXIMUM 4.4 VDC DROP, AND MINIMUM OPERATING VOLTAGE OF 16 VDC.
2. FIELD VERIFY ALL VOLTAGE DROP AND POWER REQUIREMENTS.
3. NAC CIRCUITS HAVE BEEN DESIGNED BASED UPON THE ABOVE CIRCUIT CERRENT AND VOLTAGE CRITERIA USING SYSTEM SENSOR L-SERIES WALL AND CEILING MOUNTED APPLIANCE CRITERIA.

AMBIENT TEMP (F)	Signal Circuit	APS / Circuit Location	Candela Rating	Ceiling												Wall												Alarm Current (AMPS)
				15	30	60	75	95	110	115	135	150	177	185	15/75	30	60	75	95	110	115	135	150	177	185	
167	V01	BUILDING C	Visual A/V												3			2		2							0.951
167	V02	SPARE	Visual A/V																									0
167	V03	SPARE	Visual A/V																									0
167	V04	SPARE	Visual A/V																									0
																												0.951

SPEAKER CIRCUIT DISTANCE CALCULATIONS

SIGNAL CIRCUIT	LOCATION	SIGNAL CIRCUIT DESCRIPTION	CIRCUIT VOLTAGE	NOMINAL POWER LOAD (WATTS)	MAXIMUM DISTANCE TO LAST SPEAKER
					14 AWG
SP01	BLDG A	BUILDING C	70.7	3.75	15,189

NOTES: THESE CALCULATIONS HAVE UTILIZED A CIRCUIT POWER LOSS (dBA) OF -0.5.

FIRE ALARM APS #1 BATTERY CALCULATIONS (INTELLIKNIGHT 5895XL)

MODEL NUMBER	DESCRIPTION	STANDBY POWER CURRENT PER CIRCUIT (mA)	STANDBY POWER TOTAL CURRENT (mA)	IN ALARM CURRENT PER CIRCUIT (mA)	IN ALARM TOTAL CURRENT (mA)	STANDBY BATTERIES (12-VOLT)	CURRENT (mA)
INTELLIKNIGHT 5895XL	AUXILIARY POWER SUPPLY	40	40	160	160	STANDBY CURRENT	40
GENTEX	CIRCUIT V01	0	0	951	951	HOURS	24
	CIRCUIT V02	0	0	1000	1,000	STANDBY mA	960
	CIRCUIT V03	0	0	1000	1,000	ALARM CURRENT	6,111
	CIRCUIT V04	0	0	1000	1,000	HOURS	0.250
	CIRCUIT V05	0	0	1000	1,000	ALARM mA	1,528
	CIRCUIT V06	0	0	1000	1,000	TOTAL mA	2,488
						TOTAL AH	2.5
						CONTINGENCY	20%
						BATTERY TOTAL	3.0
TOTAL			40		6,111	BATTERY PROVIDED	7

NOTES:
1. PROVIDE TWO (2) 12 VOLT 7 AH BATTERIES WIRED IN SERIES.
2. BATTERIES SHALL BE INSTALLED WITHIN THE AUXILIARY POWER SUPPLY ENCLOSURE.
3. BATTERIES SHALL BE PERMANENTLY MARKED WITH THE MONTH AND YEAR FROM THE MANUFACTURER.

ECC-50/100 Battery Calculation

Secondary Power Source Requirements

Device Type	Standby Current (amps) Qty		Current Draw		Total	Secondary Alarm Current (amps) Qty		Current Draw		Total
1. System										
ECC-50/100 Primary Console	1	X	0.2720	=	0.2720	1	X	0.4460	=	0.4460
ECC-50W-25V/70V*[1]	1	X	0.1000	=	0.1000	1	X	0.2350	=	0.2350
ECC-50W-25V/70V (As Backup)*[1]	1	X	0.1000	=	0.1000	1	X	0.0000	=	0.0000
ECC-CE6 Circuit Expander	1	X	0.0200	=	0.0200	1	X	0.1890	=	0.1890
ECC-RTZM	0	X	0.0550	=		0	X	0.0600	=	
ECC-FFT Firefighter Telephone	0	X	0.1200	=		0	X	0.2300	=	
2. Operator Interface Devices (Maximum of 8 total)										
ECC-LOC Local Operator Console	0	X	0.0850	=		0	X	0.1000	=	
ECC-RM Remote Microphone	1	X	0.0500	=	0.0500	1	X	0.0640	=	0.0640
ECC-RPU Remote Page Unit	0	X	0.0500	=		0	X	0.0680	=	
Total Devices:	1									
3. Additional Amplifiers (Maximum of 8 total)										
ECC-50DA	0	X	0.0120	=		0	X	0.0120	=	
ECC-125DA	0	X	0.0120	=		0	X	0.0120	=	
ECC-50BDA	8	X	0.0120	=	0.0960	8	X	0.0120	=	0.0960
Total Amplifiers:	8									
4. Speakers (Maximum 100 Watts)										
1/4 Watt	0	X	0.0000	=		0	X	0.0170	=	
1/2 Watt	0	X	0.0000	=		0	X	0.0330	=	
3/4 Watt	0	X	0.0000	=		0	X	0.0500	=	
1 Watt	50	X	0.0000	=	0.0000	50	X	0.0680	=	3.4000
2 Watt	0	X	0.0000	=		0	X	0.1320	=	
Custom Watt Tap Description	0	X	0.0000	=		0	X	0.0000	=	
Total Watts:	50									
5. Output Circuits										
NAC Output (2 amps maximum)			0.00000	=				0.00000	=	
Non-Resettable Output (0.5 amps max)			0.00000	=				0.00000	=	
6. Additional Devices										
Power Supervision Relays	1	X	0.0250	=	0.0250	1	X	0.0250	=	0.0250
SP-SVC Volume Control	0	X	0.0100	=		0	X	0.0100	=	
				Total Standby Load	**0.5670**				**Total Alarm Load**	**4.3590**

ECC-50/100 Battery Calculation

Calculation in Total Sheet

			Required Standby Time in Hours		
			24 Hours		
Standby Load Current (Amps)	**0.5670 Amps**	X	24	=	13.608 AH
			Required Alarm Time in Hours		
			15 Minutes		
Alarm Load Current (Amps)	**4.3590 Amps**	X	0.25	=	1.090 AH
				Total Current Load	**14.70 AH**
		*Multiply by the Derating Factor	1.2	=	x 1.20
				Total Ampere Hours Required	**17.64 AH**

Recommended Batteries:	**BAT-12180 - 18AH Batteries**

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FIRE ALARM CALCULATIONS