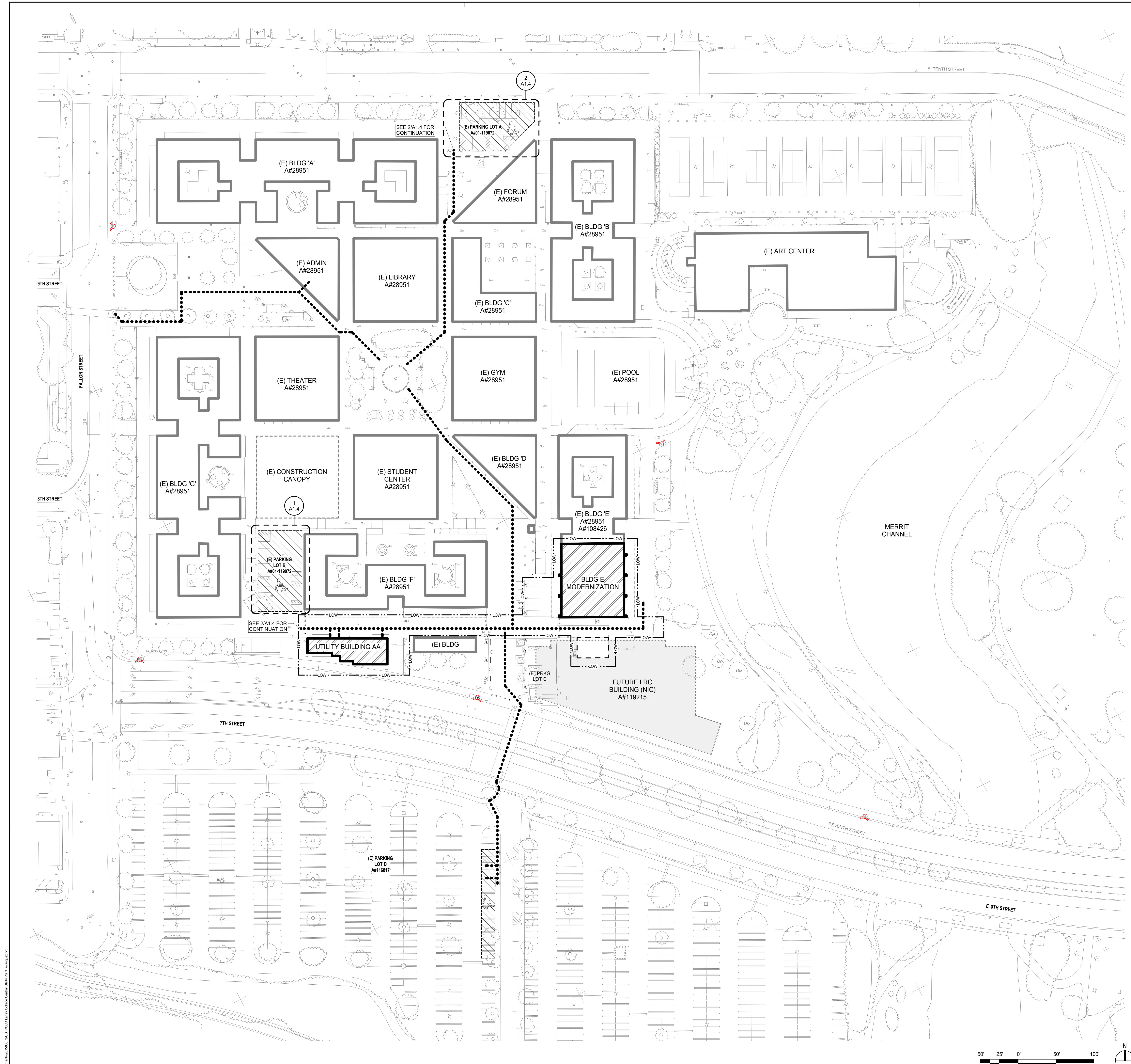


ABBREVIATIONS A-D	
A/C	- AIR CONDITIONING
A/E	- ARCHITECT / ENGINEER
AB	- ANCHOR BOLT
ABAN	- ABANDON
ABC	- AGGREGATE BASE COURSE
ABV	- ABOVE
AC	- ASPHALTIC CONCRETE
ACC	- ACCESS (IBLE)
ACST	- ACOUSTICAL
ACT	- ACOUSTICAL CEILING TILE
AD	- AREA DRAIN
ADDM	- ADDENDUM
ADJ	- ADJUSTIVE
ADJ	- ADJUSTABLE
ADJC	- ADJUSTING
AFF	- ABOVE FINISHED FLOOR
AFG	- ABOVE FINISHED GRADE
AGGR	- AGGREGATE
AHU	- AIR HANDLING UNIT
AL	- ALUMINUM
ALT	- ALTERNATE
ANC	- ANCHOR, ANCHORAGE
APLD	- APPLIED
APPRX	- APPROXIMATE
ARCH	- ARCHITECT (URAL)
ASC	- ABOVE SUSPENDED CEILING
ASPH	- ASPHALT
ASSY	- ASSEMBLY
ASYM	- ASYMMETRICAL
AWG	- AMERICAN WIRE GAUGE
BC	- BACK OF CURB
BD	- BOARD
BITUM	- BITUMINOUS
BLDG	- BUILDING
BLK	- BLOCK
BLNG	- BEARING
BLW CLG	- BELOW CEILING
BLW FFLR	- BELOW FINISH FLOOR
BLW	- BELOW
BM	- BENCH MARK
BN	- BOUNDARY NAILING
BOT	- BOTTOM
BRGC	- BRACING
BRDG	- BRIDGING
BRG	- BEARING
BRK	- BRICK
BRKT	- BRACKET
BRS	- BRASS
BRZ	- BRONZE
BS	- BOTH SIDES
BSMT	- BASEMENT
BTWN	- BETWEEN
BUR	- BUILT-UP ROOFING
BW	- BOTH WAYS
C&G	- CURB AND GUTTER
CAB	- CABINET
CAD	- CADMIUM
CB	- CATCH BASIN
CBB	- CEMENTITIOUS BACKER BOARD
CEM	- CEMENT
CER	- CERAMIC
CFCI	- CONTRACTOR FURNISH CONTRACTOR INSTALLED
CFLG	- COUNTERFLASHING
CFOI	- CONTRACTOR FURNISH OWNER INSTALLED
CG	- CORNER GUARD
CHBD	- CHALKBOARD
CHFR	- CHAMFER
CI	- CAST IRON
CIR	- CIRCLE
CIRC	- CIRCULAR CIRCUMFERENCE
CJ	- CONSTRUCTION JOINT
CL	- CHAIN LINK
CLG	- CEILING
CLJ	- CONTROL JOINT
CLL	- CONTRACT LIMIT LINE
CLOS	- CLOSURE
CLR	- CLEARANCE
CLRM	- CLASSROOM
CMPST	- COMPOSITION
CMU	- CONCRETE MASONRY UNIT
CNCL	- CONCEALED
CNR	- CORNER
CNTR	- COUNTER
COL	- COLUMN
GALV	- GALVANIZED
GB	- GRAB BAR
GFRC	- GLASS FIBER REINFORCED CONCRETE
GI	- GALVANIZED IRON
GL	- GLASS
GLU LAM	- GLUE LAMINATED
GLZ	- GLAZING
CLZCMU	- GLAZED CONCRETE MASONRY UNITS
GND	- GROUND
GPC	- GYPSUM PLASTER CEILING
GR LN	- GRADE LINE
GR BM	- GRADE BEAM
GR	- GRADE (ING)
GRBD	- GARBAGE DISPOSER
GSS	- GYPSUM SHEATHING BOARD
GSS	- GALVANIZED STEEL SHEET
GST	- GALVANIZED STRUCTURAL TILE
GT	- GROUT
GVL	- GRAVEL
GYP	- GYPSUM
HB	- HOSE BIB
HC	- HOLLOW CORE
HD	- HEAVY DUTY
HD JT	- HEAD JOINT
HDAS	- HEADED ANCHOR STUD
HDR	- HEADER
HDW	- HARDWARE
HDWD	- HARDWOOD
HEX	- HEXAGONAL
HGR	- HANGER
HLDN	- HOLD DOWN
HM	- HOLLOW METAL
HMD	- HOLLOW METAL DOOR
HMD	- HOLLOW METAL DOOR AND FRAME
HMF	- HOLLOW METAL FRAME
HNDRL	- HANDRAIL
HORIZ	- HORIZONTAL
HPT	- HIGH POINT
HR	- HOUR
HT	- HEIGHT
HTG	- HEATING
HVAC	- HEATING/VENTILATING/ AIR CONDITIONING
HWH	- HOT WATER HEATER
ID	- INSIDE DIAMETER
INCL	- INCLUDE(D), (ING)
INSTL	- INSTALL
INSUL	- INSULATE(D), (ION)
INT	- INTERIOR
INV	- INVERT
IPS	- IRON PIPE SIZE
JAN	- JANITOR
JST	- JOIST
JT	- JOINT
KIT	- KITCHEN
KO	- KNOCKOUT
KPL	- KICKPLATE

ABBREVIATIONS E-K	
E	- EAST
EA	- EACH
EAR	- EXHAUST AIR REGISTER
EB	- EXPANSION BOLT
EE	- EACH END
EF	- EACH FACE
EF	- EXTERIOR FINISH SYSTEM
EHD	- EXTERIOR HAND DRYER
EIFS	- EXTERIOR INSULATION AND FINISH SYSTEM
EJ	- EXPANSION JOINT
EL	- ELEVATION
ELAST	- ELASTOMERIC
ELEC	- ELECTRIC(AL)
ELEV	- ELEVATOR
EMR	- EXPANDED METAL
EMER	- EMERGENCY
EN	- EDGE NAILING
ENCL	- ENCLOSE (URE)
ENGR	- ENGINEER
ENTR	- ENTRANCE
EP	- ELECTRICAL PANELBOARD
EQ	- EQUAL
EQUIP	- EQUIPMENT
ESC	- ESCUTCHEON
ESCL	- ESCALATOR
ESMT	- EASEMENT
EW	- EACH WAY
EWV	- ELECTRIC WATER COOLER
EWL	- ELECTRIC WATER HEATER
EWS	- EYE WASH STATION
EXC	- EXCAVATE
EXG	- EXISTING
EXH	- EXHAUST
EXP	- EXPOSED
EXPN	- EXPANSION
EXT	- EXTERIOR
EXT	- EXTERIOR
F/F	- FACE TO FACE
FA	- FIRE ALARM
FAB	- FABRIC
FBD	- FIBERBOARD
FBRK	- FIRE BRICK
FBRK	- FACE BRICK
FCDR	- FLOOR DRAIN
FDTN	- FOUNDATION
FE	- FIRE EXTINGUISHER
FEC	- FIRE EXTINGUISHER CABINET
FEC	- FROM FLOOR ABOVE
FFA	- FROM FLOOR BELOW
FFEL	- FINISHED FLOOR ELEVATION
FFL	- FINISHED FLOOR LINE
FL	- FIBERGLASS
FHC	- FIRE HOSE CABINET
FHMS	- FLATHEAD MACHINE SCREW
FHWS	- FLATHEAD WOOD SCREW
FIN	- FINISH(ED)
FJT	- FLUSH JOINT
FLASH	- FLASHING
FLDG	- FOLDING
FLG	- FLOORING
FLR	- FLOOR
FLUOR	- FLUORESCENT
FN	- FIELD NAILING
FOC	- FACE OF CONCRETE
FOC	- FACE OF FINISH
FOG	- FACE OF GRID
FOM	- FACE OF MASONRY
FOS	- FACE OF STUDS
FPL	- FIREPLACE
FFRF	- FIREPROOF(ING)
FR	- FRAME(D), (ING)
FR	- FIBER REINFORCED GYPSUM
FRGL	- FIRE RESISTIVE GLAZING
FRP	- FIBERGLASS REINFORCED PLASTIC
FRTD	- FIRE RATED
FRTW	- FIRE RETARDANT TREATED WOOD
FRZ	- FREEZER
FS	- FAR SIDE
FASTN	- FASTEN FASTNER
FT	- FOOT OR FEET
FTG	- FOOTING
FURG	- FURRED (ING)
FUT	- FUTURE
FWC	- FABRIC WALL COVERING
GA	- GAGE
GAL	- GALLON
GALV	- GALVANIZED
GB	- GRAB BAR
GFRC	- GLASS FIBER REINFORCED CONCRETE
GI	- GALVANIZED IRON
GL	- GLASS
GLU LAM	- GLUE LAMINATED
GLZ	- GLAZING
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INT	- INTERIOR
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IPS	- IRON PIPE SIZE
JAN	- JANITOR
JST	- JOIST
JT	- JOINT
KIT	- KITCHEN
KO	- KNOCKOUT
KPL	- KICKPLATE

ABBREVIATIONS L-P	
LAB	- LABORATORY
LAD	- LADDER
LAM	- LAMINATE(D)
LAV	- LAVATORY
LBL	- LABEL
LBR	- LUMBER
LB	- POUND
LOT	- LINOLEUM COMPOSITE TILE
LDR	- LEADER
LG	- LENGTH
LH	- LEFT HAND
LHR	- REINFORCED CONCRETE PIPE
RCP	- RECEIVER
RCVR	- RECEIVER
RD	- ROOF DRAIN
RISINS	- RIGID INSULATION
RWDY	- ROADWAY
REBAR	- REINFORCING STEEL BARS
REC	- RECESSED
TEMP	- RECTANGULAR
REF	- REFERENCE
REFL	- REFLECT(ED), (IVE), (OR)
REFR	- REFRIGERATOR
REG	- REGISTER
REINF	- REINFORCE(D), (ING), (MENT)
REM	- REMOVABLE
REP	- REPAIR
REPL	- REPLACE
REQD	- REQUIRED
RES	- RESILIENT
RET	- RETURN
REV	- REVISION(S), REVISED
RF	- RESILIENT FLOORING
RFG	- ROOFING
RFH	- ROOF HATCH
RH	- RIGHT HAND
RHMS	- ROUND HEAD MACHINE SCREW
RHR	- RIGHT HAND REVERSE
RHWS	- ROUND HEAD WOOD SCREW
RL	- ROOF LEADER
RLG	- RAILING
RM	- ROOM
RND	- ROUND
RNO	- ROUND OPENING
RO	- RIGHT OF WAY
RS	- ROUGH SAWN
RTF	- RUBBER TILE FLOORING
RTU	- ROOF TOP UNIT
RV	- MOLDING
RVL	- REVEAL
RVS	- REVERSE (SIDE)
RVT	- RIVET(ED)
RWR	- REDWOOD
RWL	- RAIN WATER LEADER
S	- SOUTH
S2S	- SURFACED TWO SIDES
S4S	- SURFACED FOUR SIDES
SA	- SUPPLY AIR
SALV	- SALVAGE
SAT	- SUSPENDED ACOUSTICAL TILE
SB	- SPLASH BLOCK
SBSTR	- SUBSTRATE
SC	- SOLID CORE
SCD	- SEAT COVER DISPENSER
SCHED	- SCHEDULE
SCN	- NONCOMBUSTIBLE
SCRN	- SCREEN
SD	- STORM DRAIN
SDBL	- NOT IN CONTRACT
SECT	- SECTION
SGL	- SINGLE
SH	- SHOWER
SHT	- SHEATHING
SHTHG	- SHEATHING
SHV	- SHELVES (ING)
SIM	- SIMILAR
SKLT	- SKYLIGHT
SLD	- SEALED
SLDG	- SLIDE (ING)
SLO	- SLOPE
SLNT	- SEALANT
SLV	- SLEEVE
SMACNA	- SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SMLS	- SEAMLESS
SND	- SANITARY NAPKIN DISPENSER
SNDINS	- SOUND INSULATION
SNDU	- SANITARY NAPKIN DISPOSAL UNIT
SNT	- SEALANT
SPC	- SUSPENDED PLASTER CEILING
SPD	- SOAP DISPENSER
SPH	- OPPOSITE HAND
SPRT	- SUPPORT
SQ	- SQUARE
SSK	- SERVICE SINK
SST	- STAINLESS STEEL
STA	- STATION
STAG	- STAGGERED
STC	- SOUND TRANSMISSION CLASS
STD	- STANDARD
STG	- SEATING
STIF	- STIFFENER
STIR	- STIRRUP
STL	- STEEL
STOR	- STORAGE
STG	- STRAIGHT
STR	- STREET
STRCT	- STRUCTURAL
STU	- STRUCT
SUSP	- SUSPENDED
SV	- SHEET VINYL
SYMM	- SYMMETRICAL
SYNTH	- SYNTHETIC
SYS	- SYSTEM
LAB	- LABORATORY
LAD	- LADDER
LAM	- LAMINATE(D)
LAV	- LAVATORY
LBL	- LABEL
LBR	- LUMBER
LB	- POUND
LOT	- LINOLEUM COMPOSITE TILE
LDR	- LEADER
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SPH	- OPPOSITE HAND
SPRT	- SUPPORT
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SSK	- SERVICE SINK
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STAG	- STAGGERED
STC	- SOUND TRANSMISSION CLASS
STD	- STANDARD
STG	- SEATING
STIF	- STIFFENER
STIR	- STIRRUP
STL	- STEEL
STOR	- STORAGE
STG	- STRAIGHT
STR	- STREET
STRCT	- STRUCTURAL
STU	- STRUCT
SUSP	- SUSPENDED
SV	- SHEET VINYL
SYMM	- SYMMETRICAL
SYNTH	- SYNTHETIC
SYS	- SYSTEM

ABBREVIATIONS Q-S	
QT	- QUARRY TILE
QTB	- QUARRY TILE BASE
QTF	- QUARRY TILE FLOOR
QTR	- QUARTER
QTY	- QUANTITY
R	- RISER
RA	- RETURN AIR
RAB	- RABBIT
RAD	- RADIUS
RB	- RESILIENT BASE
RBR	- RUBBER
RCP	- REINFORCED CONCRETE PIPE
RCVR	- RECEIVER
RD	- ROOF DRAIN
RISINS	- RIGID INSULATION
RWDY	- ROADWAY
REBAR	- REINFORCING STEEL BARS
REC	- RECESSED
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REPL	- REPLACE
REQD	- REQUIRED
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SNT	- SEALANT
SPC	- SUSPENDED PLASTER CEILING
SPD	- SOAP DISPENSER
SPH	- OPPOSITE HAND
SPRT	- SUPPORT



GENERAL NOTES & SITE LEGEND

- GENERAL NOTES:**
- REFER TO GENERAL NOTES ON SHEET A0.1 FOR GENERAL REQUIREMENTS.
 - REFER TO SHEET A0.7 FOR BUILDING CODE.
 - REFER TO CIVIL DRAWINGS FOR UTILITIES, GRADING, AND SIGNAGE INFORMATION.
 - GATES IN THE PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQUIREMENTS OF CALIFORNIA BUILDING CODE (CBC) SECTION 1010. GATE WILL BE PROVIDED WITH PANIC HARDWARE AND A 10" HIGH KICK PLATE AT THE BOTTOM OF BOTH SIDES OF GATE OR SHALL BE PROVIDED WITH SIGN LOCATED ADJACENT TO THE GATE STATING "GATE TO REMAIN LOCKED IN THE OPEN POSITION DURING BUSINESS / SCHOOL HOURS OR DURING ANY PUBLIC FUNCTIONS". TEXT OF SIGN SHALL BE 1" HIGH IN ALL CAPITAL LETTERS. REF 2210.1
- LEGEND:**
- PROPERTY LINE
 - LOW LIMIT OF WORK
 - EXISTING ROOF, OVERHANGS & COVERED WALKWAYS (FOR REFERENCE ONLY)
 - EXISTING CHAIN LINK FENCE
 - EXISTING FIRE HYDRANT; SEE A0.6 FOR MORE INFO
 - (E) BUILDINGS NIC
 - UTILITY BUILDING AA
 - PORTION OF (E) BLDG E 1ST FLOOR TO BE MODERNIZED
 - FUTURE BUILDING
 - ACCESSIBLE PATH OF TRAVEL
 - AP (E) ACCESSIBLE PARKING
 - AS DIRECTIONAL ACCESS SIGN (REF 7/2.1)
 - FL FIRE LANE (REF 6/2.1)
 - FR PROVIDE TACTILE SIGNAGE STATING "FIRE RISER INSIDE" (REF 10/10.1)
 - TA UNAUTHORIZED PARKING SIGN (REF 4/A1.2)
- DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:**
- THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH CURRENT APPLICABLE CALIFORNIA BUILDING CODE 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 1) HAVE BEEN IDENTIFIED AND 2) 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 HARSHNESS ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
- DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
- PATH OF TRAVEL TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE:**
- *ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:12 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP-RESISTANT. GROSS SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 20" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.*

CAMPUS RECORDS

EXISTING DSA APPLICATION NUMBERS			
PROJECT DATE	PROJECT	PROJECT DESCRIPTION	DSA APP NO.
BUILDING			
1968	CAMPUS CONSTRUCTION	INITIAL CAMPUS CONSTRUCTION	028951
1995	FIRE ALARM UPGRADE PROJECT 152	CAMPUS-WIDE FIRE ALARM UPGRADE	063147
2007	BEGINNERS INN CULINARY KITCHEN	KITCHEN UPGRADES IN BUILDING E	108426
2010	ADA RENOVATION PROJECTS AT LANEY COLLEGE	CAMPUS-WIDE ADA UPGRADES RESTROOMS, LOCKER ROOMS, ETC.	111245
PARKING & SITE			
2010	ADA RENOVATION PROJECTS AT LANEY COLLEGE	LOTS NEAR G-COMPLEX, NEAR FORUM	111245
2018	OVERFLOW PRKG LOT IMPROVEMENTS	LOTS 4TH ST, 7TH ST	116817
2020	PAVEMENT REHABILITATION	PAVEMENT REHABILITATION THROUGHOUT, RESTRIPING AT N AND SW PARKING LOTS	119072

PARKING TABULATION

PARKING SPACES	STALL TYPE			TOTALS
	STANDARD	ACCESSIBLE STANDARD	ACCESSIBLE VAN	
LANEY COLLEGE NORTH PARKING LOT A ACCESSIBLE PARKING REQ'D (CBC TABLE 11B-208.2)	3	8	1	12
LANEY COLLEGE SOUTHWEST PARKING LOT B ACCESSIBLE PARKING REQ'D (CBC TABLE 11B-208.2)	8	11	2	21
LANEY COLLEGE SOUTHEAST PARKING LOT C ACCESSIBLE PARKING REQ'D (CBC TABLE 11B-208.2)	898	9	3	910
TOTALS	909	28	6	943

NOTE: THE SOUTHEAST ADA PARKING LOT C WILL BE REMOVED IN PREPARATION FOR THE FUTURE LIBRARY EXPANSION PROJECT (A#119215). THESE SIX ADA STALLS WILL BE RELOCATED TO THE SOUTHWEST PARKING LOT B SHOWN ON THIS SHEET TO THE LEFT (A#01-119072).

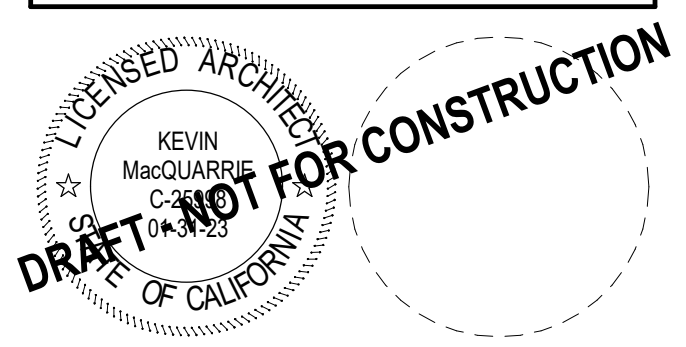
NOTE: FOR LOCATION OF STANDARD AND VAN ACCESSIBLE PARKING STALLS, REFER TO SHEET A1.4



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PERALTA COMMUNITY COLLEGE DISTRICT
900 FALLON STREET, OAKLAND, CA 94607



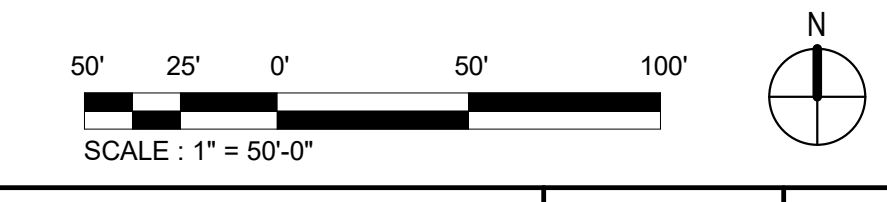
CONSULTANT

NO	DATE	BY	DESCRIPTION

DRAWN: EV **CHECKED:** EM
DATE: 03/15/21 **SCALE:** As indicated
PROJECT NUMBER: 2015800

SITE CODE ANALYSIS & ACCESSIBILITY

DRAWING NUMBER: A0.5



OVERALL SITE PLAN 1" = 50'-0" 1

4/1/2021 12:04:17 PM C:\Users\jmc\OneDrive\Documents\2015800_05_PCD\Drawings\Utility\OverallSitePlan.dwg User: jmc



GENERAL NOTES & SITE LEGEND

- NOTE:**
- REFER TO SHEET A0.5 FOR ADDITIONAL INFORMATION
- ① SERVICE MAN / VEHICULAR GATE #
 - 🔦 (E) FIRE HYDRANT, REF CIVIL DWGS FOR MORE INFO
 - — — — — PROPERTY LINE
 - - - - - EXISTING ROOF, OVERHANGS & COVERED WALKWAYS (FOR REFERENCE ONLY)
 - - - - - EXISTING CHAIN LINK FENCE
 - - - - - FIRE LANE CURB, SEE DTL 10/2.1
 - 🔦 EXISTING FIRE HYDRANT(S)
 - ▭ (E) BUILDINGS - NOT IN SCOPE
 - ▨ SCOPE OF WORK, REF A0.5
 - ▨ ACCESSIBLE RESTROOMS, REF A0.4
 - ▨ FIRE DEPARTMENT EMERGENCY ACCESS 'FIRE LANE' 150' ACCESS SHALL BE PROVIDED TO ALL PORTIONS OF THE FACILITY AND ALL EXTERIOR WALLS OF THE FIRST STORY OF BUILDINGS AS MEASURED BY AN APPROVED ACCESS ROUTE AROUND THE EXTERIOR OF THE BUILDING. ALL EMERGENCY ACCESS ROADS SHALL HAVE A 13'-6" FEET VERTICAL CLEARANCE AND AN UNOBSTRUCTED MINIMUM WIDTH OF 20'-0". FIRE ACCESS ROADS AND FIRE LANE SHALL MEET NFPA STANDARDS #204
 - 🔦 400'-0" MAX DISTANCE BETWEEN FIRE HYDRANTS (CFC TABLE C102.1)
 - 🔦 150'-0" FIRE TRUCK COVERAGE TO BUILDINGS & FACILITIES (CFC SECTION 503.1.1)

LOCAL FIRE MARSHAL APPROVAL

DSA 810 FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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 buildings, 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 1-3 below is to be provided for all project types indicated above. Information associated with items 4-7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the local fire authority (LFA) is required when an alternate design means is being requested.

Page 1 of the completed form must be imaged onto this fire access site plan. When an alternate design/means is proposed, completed pages 1 and 2 are to be imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy 09-01.

PROJECT INFORMATION

School District/Owner:	Peralta Community College District
Project Name/School:	Laney College Central Utility Plant Upgrade
Project Address:	900 Fallon St., Oakland, CA 94607

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 <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
2. Was the fire hydrant water flow test performed as part of this LFA review?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
3. Is the project located within a designated fire hazard severity zone as established by CalFire? (If yes, indicate fire hazard zone classification below)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Refer to the following for fire hazard zone locations: www.fire.ca.gov/fire_prevention_prevention_wildland_zones_maps	Moderate <input type="checkbox"/>	High <input type="checkbox"/>	Very High <input type="checkbox"/>
Wildland Interface Area (WIFA) (If any designations are checked, project design must meet the requirements of CDC Chapter 7A.)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	WIFA <input type="checkbox"/>

CONDITION MEANS AND METHODS RESOLUTION

Item	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.			x
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.			x
6. Fire Hydrants: Water flow and pressure are less than CDC minimum.			x
6a. Acceptable Alternate: The available flow and pressure is acceptable for providing fire suppression and protection of life and property.			x
7. Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CDC 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.			x

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) 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

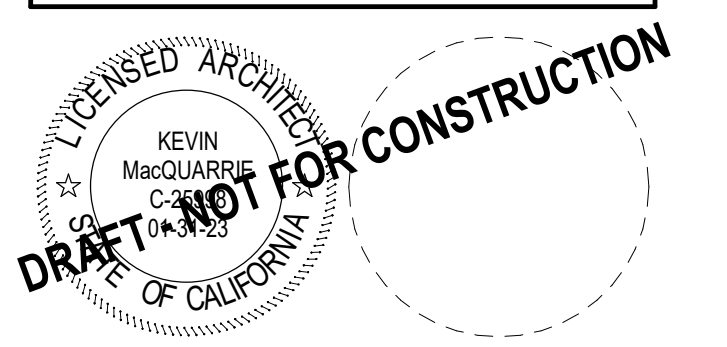
LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	
LFA Reviewer's Signature:	Date:

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CONSULTANT

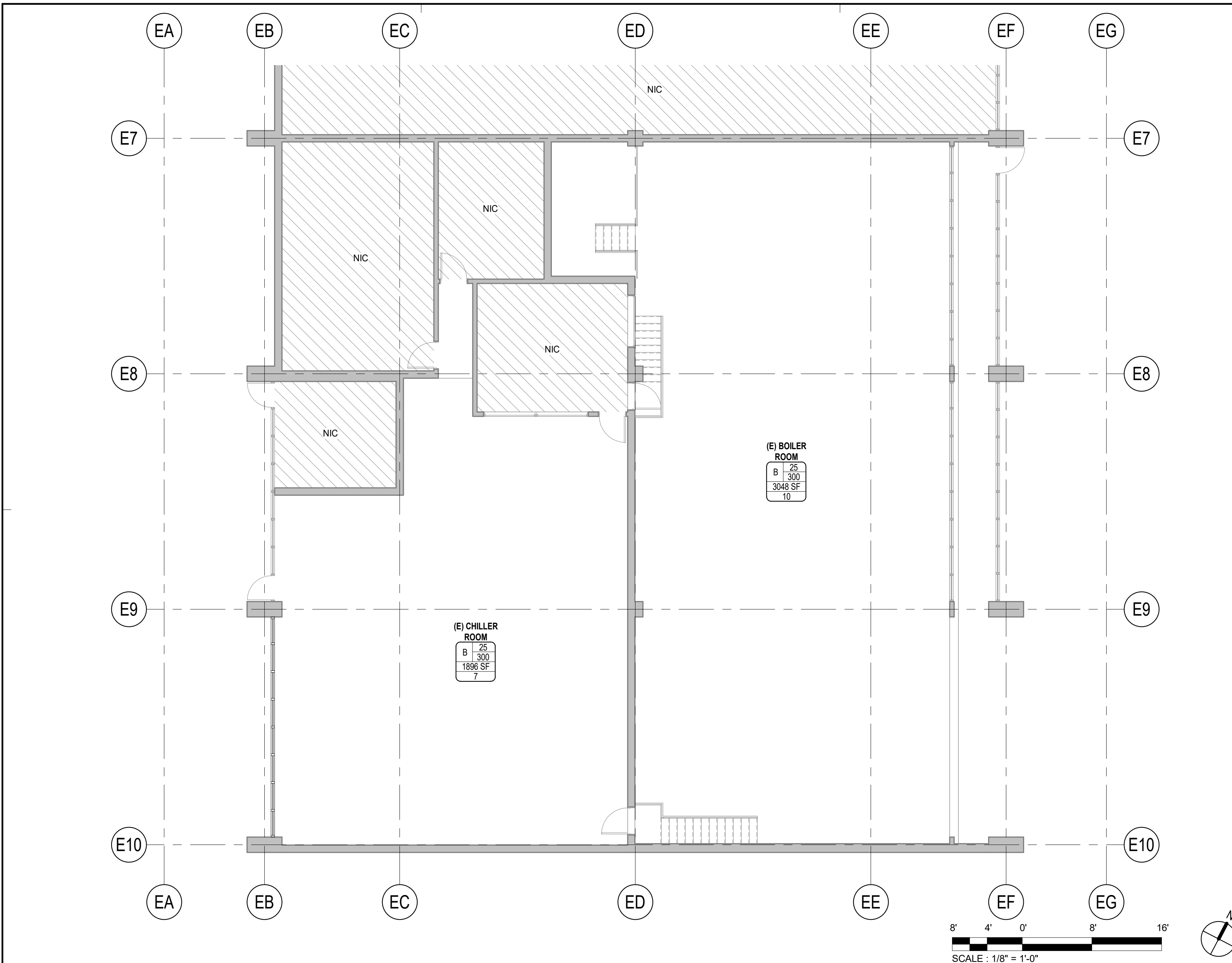
NO	DATE	BY	DESCRIPTION
			REVISIONS

03-15-2021	100% DD SET
04-14-2021	50% CD SET

DRAWN: Author CHECKED: Checker
 DATE: 04/01/21 SCALE: As indicated
 PROJECT NUMBER: 2015800

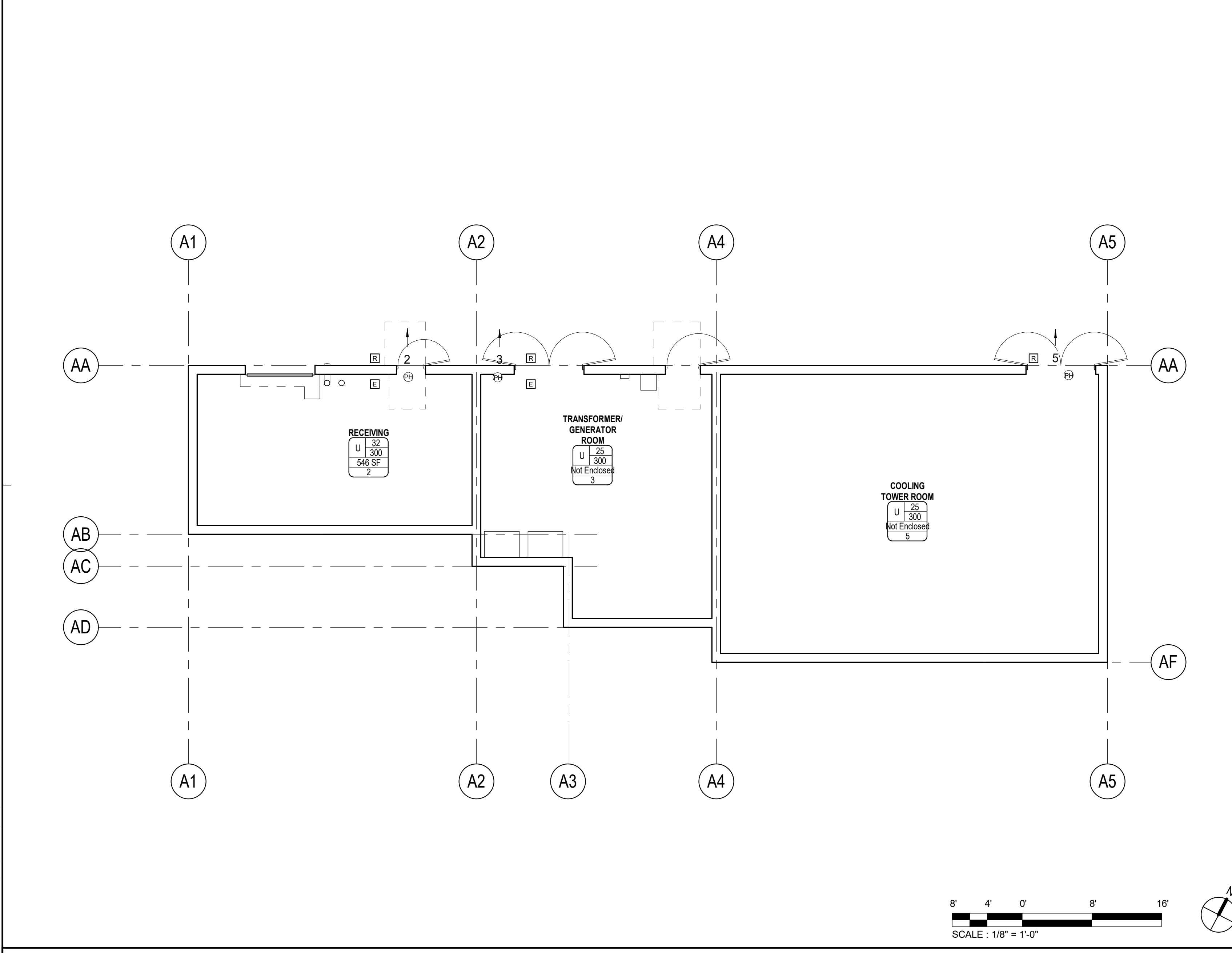
FIRE ACCESS PLAN

DRAWING NUMBER: **A0.6**



BUILDING CODE ANALYSIS	
1	BUILDING DESIGNATION: BUILDING AA
2	OCCUPANCY GROUP: U-OCCUPANCY
3	CONSTRUCTION TYPE: TYPE 1
4	BASIC ALLOWABLE FLOOR AREA: 35,500 SF
5	ACTUAL FLOOR AREA: 35,608 SF
6	ALLOWABLE AREA INCREASE: N/A
7	BASIC ALLOWABLE BUILDING HEIGHT/NO. OF STORIES: 6 STORIES
8	ACTUAL BUILDING HEIGHT/NO. OF STORIES: 1 STORY
9	FIRE SPRINKLER: N/A
FIRE RESISTANCE RATING REQUIREMENTS (CBC TABLE 601)	
1	STRUCTURAL FRAME: [1] HOUR RATING - UL NO. D902
2	EXTERIOR BEARING WALLS:
3	INTERIOR BEARING WALLS:
4	EXTERIOR NON-BEARING WALLS:
5	INTERIOR NON-BEARING WALLS:
6	FLOOR CONSTRUCTION:
7	ROOF CONSTRUCTION:
8	SHAFT CONSTRUCTION:
FIRE RESISTANCE RATING REQUIREMENTS OF EXTERIOR WALLS (CBC TABLE 602)	
1	FIRE SEPARATION DISTANCE $X \leq 5'-0"$: 1 HOUR RATING
2	FIRE SEPARATION DISTANCE $5'-0" \leq X < 10'-0"$: 1 HOUR RATING
3	FIRE SEPARATION DISTANCE $10'-0" \leq X < 30'-0"$: 1 HOUR RATING
4	FIRE SEPARATION DISTANCE $X \geq 30'-0"$: NO PROTECTION
INTERIOR WALL AND CEILING FINISH REQUIREMENTS (CBC TABLE 803.13)	
1	INTERIOR EXIT STAIRWAYS: CLASS
2	CORRIDORS: CLASS
3	ROOMS AND ENCLOSED SPACES: CLASS
ROOFING COVERING CLASS REQUIREMENTS (CBC TABLE 1505.1)	
1	ROOF COVERING: CLASS A
MINIMUM EGRESS WIDTH (CBC SECTION 1005)	
1	INTERIOR EXIT STAIRWAYS: # OCCUPANTS X [0.2] [0.3] = EGRESS WIDTH
2	DOORS: # OCCUPANTS X [0.15] [0.20] = EGRESS WIDTH
3	2 EXITS ARE PROVIDED WHERE OCCUPANT LOAD EXCEEDS 50

PORTION OF EXISTING BUILDING E CODE ANALYSIS 1/8" = 1'-0" 1



BUILDING CODE ANALYSIS	
1	BUILDING DESIGNATION: BUILDING AA
2	OCCUPANCY GROUP: U-OCCUPANCY
3	CONSTRUCTION TYPE: TYPE 1-B
4	BASIC ALLOWABLE FLOOR AREA: 35,500 SF
5	ACTUAL FLOOR AREA: 2,613 SF
6	ALLOWABLE AREA INCREASE: N/A
7	BASIC ALLOWABLE BUILDING HEIGHT/NO. OF STORIES: 6 STORIES
8	ACTUAL BUILDING HEIGHT/NO. OF STORIES: 1 STORY
9	FIRE SPRINKLER: N/A
FIRE RESISTANCE RATING REQUIREMENTS (CBC TABLE 601)	
1	STRUCTURAL FRAME: [1] HOUR RATING - UL NO. D902
2	EXTERIOR BEARING WALLS:
3	INTERIOR BEARING WALLS:
4	EXTERIOR NON-BEARING WALLS:
5	INTERIOR NON-BEARING WALLS:
6	FLOOR CONSTRUCTION:
7	ROOF CONSTRUCTION:
8	SHAFT CONSTRUCTION:
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1	INTERIOR EXIT STAIRWAYS: # OCCUPANTS X [0.2] [0.3] = EGRESS WIDTH
2	DOORS: # OCCUPANTS X [0.15] [0.20] = EGRESS WIDTH
3	2 EXITS ARE PROVIDED WHERE OCCUPANT LOAD EXCEEDS 50

BUILDING AA CODE ANALYSIS 1/8" = 1'-0" 2

GOVERNING CODES

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

2019 CALIFORNIA BUILDING CODE (CBC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 2

2019 CALIFORNIA ELECTRICAL CODE (CEC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 3

2019 CALIFORNIA MECHANICAL CODE (CMC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 4

2019 CALIFORNIA PLUMBING CODE (CPC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 5

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

2019 CALIFORNIA HISTORICAL BUILDING CODE CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 8

2019 CALIFORNIA FIRE CODE (CFC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 9

2019 CALIFORNIA EXISTING BUILDING CODE (CEBC) CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 24, PART 10

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

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

CALIFORNIA ELEVATOR SAFETY CODE, CALIFORNIA CODE OF REGULATIONS (CCR) TITLE 8

APPLICABLE NFPA STANDARDS

NFPA 13 - AUTOMATIC SPRINKLER SYSTEMS, 2016 EDITION
 NFPA 14 - STANDPIPE SYSTEMS, 2013 EDITION
 NFPA 17 - DRY CHEMICAL EXTINGUISHING SYSTEMS, 2013 EDITION
 NFPA 17A - WET CHEMICAL SYSTEMS, 2013 EDITION
 NFPA 20 - STATIONARY PUMPS, 2016 EDITION
 NFPA 24 - PRIVATE FIRE MAINS, 2016 EDITION
 NFPA 72 - NATIONAL FIRE ALARM CODE, 2016 EDITION
 NFPA 80 - FIRE DOORS AND OTHER OPENING PROTECTIVES, 2016 EDITION
 NFPA 92 - STANDARD FOR SMOKE CONTROL SYSTEMS, 2015 EDITION
 NFPA 253 - CRITICAL RADIANT FLUX OF FLOOR COVERINGS, 2015 EDITION
 NFPA 2001 - CLEAN AGENT FIRE EXTINGUISHING SYSTEMS, 2015 EDITION
 ICC 300 - ICC STANDARDS FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS, 2012 EDITION

UL 300 - FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL RESTAURANT COOKING AREAS, 2005 EDITION W/ REVISIONS THRU 2014
 UL 464 - AUDIBLE SIGNAL APPLIANCES, 2003 EDITION
 UL 521 - HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS, 1999 EDITION W/ REVISIONS THRU JULY 30, 2005

NOTE: ALL NFPA STANDARDS AS LISTED ARE TO CONFORM TO THE EDITION AS LISTED WITH THE LATEST CALIFORNIA AMENDMENTS. REFERENCE THE 2019 CBC, TITLE 24, PART 2 - CHAPTER 35 FOR ADDITIONAL APPLICABLE NFPA, UL STANDARDS AND ANY CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

GENERAL NOTES

- GENERAL NOTES:**
- OCCUPANT LOAD FACTORS ARE ACCORDING TO CBC SECTION 1004, TABLE NO. 1004.1.1.
 - REFER TO FUNCTION OF SPACE / SPACE USE SCHEDULE BELOW: ACCESSORY USE AREA EXCLUDED FROM OCCUPANT LOADING.
 - WHERE OCCUPANT LOAD SIGN IS REQUIRED THE ROOM SHALL BE POSTED WITH A SIGN NEAR THE MAIN EXIT FROM THE ROOM. REFER TO SIGNAGE SCHEDULE FOR DETAIL.
 - REFER TO SIGNAGE SCHEDULE ON SHEET 10.1 FOR LOCATION OF ALL SIGNAGE NOT COVERED ON THIS SHEET. SIGNAGE SCHEDULE ON SHIT 10.1 TAKES PRECEDENCE. U.O.N. ON THIS SHEET.
 - THE BUILDING IS FIRE SPRINKLERED THEREFORE THE EXIT ACCESS TRAVEL DISTANCE IS INCREASED TO 250 FEET FROM ANY LOCATION (PER TITLE 24 CBC TABLE 1017.2)
 - PER CBC SECTION 1007.1.1 EXCEPTION #2 FOR EXIT AND EXIT ACCESS DOORWAY CONFIGURATION: "WHERE A BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 OR 903.3.1.2, THE SEPARATION DISTANCE SHALL BE NOT LESS THAN ONE-THIRD OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED."

CODE ANALYSIS LEGEND

AREA IDENTITY/ CODE ANALYSIS:

LOBBY = ROOM NAME
 E-1 = OCCUPANCY GROUP
 20 = SPACE USE - REF SPACE USE SCHEDULE
 900 = FLOOR AREA - SQUARE FEET
 45 = OCCUPANT LOAD (CBC TABLE 1004.5)
 * = OCCUPANT LOAD SIGN REQUIRED WHEN NOTED - SEC 1004.9 - REF SIGNAGE SCHEDULE
 76 = ACCUMULATIVE OCCUPANT LOAD OF SPACE WHEN APPLICABLE

SYMBOL LEGEND:

- [Symbol] OCCUPANT LOAD SIGN LOCATION, [NOT USED]
- [Symbol] ASSISTIVE LISTENING SIGN LOCATION, [NOT USED]
- [Symbol] DIRECTION ACCESS ROUTE, [NOT USED]
- [Symbol] TACTILE EXIT SIGNAGE, REF 21/10.1
- [Symbol] TACTILE 'TO EXIT' SIGN, REF [NOT USED]
- [Symbol] PROVIDE TACTILE SIGNAGE STATING "FIRE RISER INSIDE, [NOT USED]
- [Symbol] PROVIDE MARKING AND IDENTIFICATION PER CBC 703.7 STATING, "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS", [NOT USED]
- [Symbol] TACTILE ROOM CONTROL SIGNAGE, REF 10/10.1
- [Symbol] PROVIDE SIGNAGE PER CFC 605.3.1 STATING: "ELECTRICAL ROOM" [NOT USED]
- [Symbol] TACTILE 'TO EXIT' SIGN, [NOT USED]
- [Symbol] PROVIDE ONE INCH TALL LETTER SIGN OF CONTRASTING BACKGROUND COLOR AT THE DOOR HEADER TRANSOM STATING "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS HOURS." [NOT USED]

1 HOUR FIRE RATED WALL: ALL OPENINGS IN THE FIRE RATED WALL TO COMPLY WITH CBC 716 & TABLE 716.5 & TABLE 716.6.

[Symbol] DIRECTION OF TRAVEL, TYP

[Symbol] PATH OF EGRESS

[Symbol] PATH OF EGRESS: 120 = OCCUPANT LOAD

[Symbol] EXIT DOOR WITH PANIC HARDWARE

[Symbol] EXIT SIGN CEILING/WALL MOUNTED PER CBC 1013. PROVIDE FLOOR-LEVEL EXIT SIGNS AS REQUIRED PER 1013.7. SEE DOOR SCHEDULE FOR PANIC HARDWARE AND RATED ASSEMBLIES. FOR ADDITIONAL INFORMATION NOT SHOWN, SEE DOOR SCHEDULE SHEET 8.1 & SIGNAGE SCHEDULE ON SHEET 10.1

[Symbol] SEMI-RECESSED WALL MOUNTED FIRE EXTINGUISHER; REF DTL 154.5 AT ADA ACCESSIBLE

FUNCTION OF SPACE / SPACE USE

NOTE: REFER TO DSA IR A-26 FOR FURTHER CLARIFICATION OF OCCUPANT LOAD

Use Description	Two Means of Egress	Occupant Load Factor
0 NO CLASSIFICATION APPLIES	0	0
1 ASSEMBLY AREA - CONCENTRATED USE	50	7
2 ASSEMBLY AREA - LESS CONCENTRATED USE	50	15
3 ASSEMBLY AREA - STANDING SPACE	50	5
4 ASSEMBLY AREA - FIXED SEATS	50	0
5 MULTIPURPOSE ROOM	50	7
6 LOBBY - ACCESSORY TO ASSEMBLY (NOTE 2)	50	0
7 LOBBY - ACCESSORY TO ASSEMBLY	50	7
8 WAITING AREA	50	5
9 CONFERENCE ROOM	50	15
10 DINING ROOM	50	15
11 EXHIBIT SPACE	50	15
12 GYMNASIUM - FLOOR AREA W/OUT BLEACHERS	50	15
13 GYMNASIUM - FLOOR AREA W/ BLEACHERS	50	7
14 GYMNASIUM - BLEACHERS	50	0
15 LOUNGE	50	15
16 STAGE / PLATFORM	50	15
17 CLASSROOM	50	20
18 COURTROOM - NO FIXED SEATS	50	40
19 EXERCISE ROOM	50	50
20 KITCHEN	30	200
21 LIBRARY - READING ROOM	50	50
22 LIBRARY - STACK AREA	30	100
23 LOCKER ROOM	30	50
24 NURSERIES FOR CHILDREN / DAY CARE	7	35
25 MECHANICAL EQUIPMENT ROOM	30	300
26 ELECTRICAL EQUIPMENT ROOM	30	100
27 GARAGE PARKING	30	200
28 OFFICE	30	150
29 SHOP / LABORATORY / VOCATIONAL ROOM	50	50
30 SWIMMING POOL - POOL AREA	50	50
31 SWIMMING POOL - DECK AREA	50	15
32 STORAGE	30	300
33 CUSTODIAL	30	100
34 TOILET / SHOWER ROOM (NOTE 2)	0	0
35 CORRIDOR / STAIRWAY (NOTE 2)	0	0
36 ALL OTHERS	50	100

REVISIONS

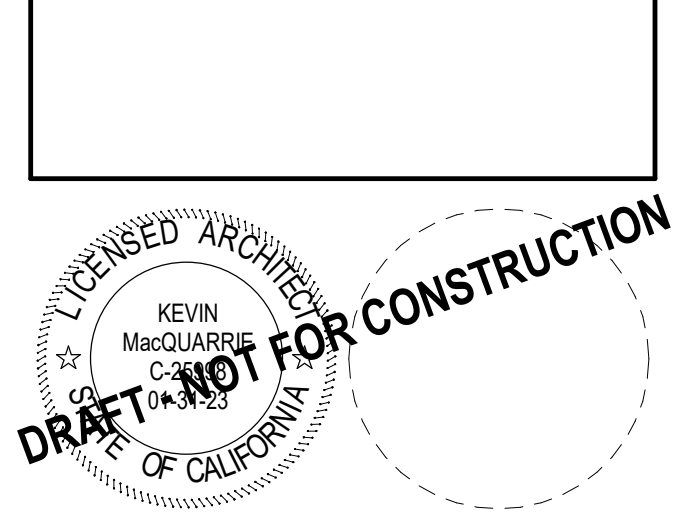
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DRAWN: EV **CHECKED:** EM
DATE: 03/15/21 **SCALE:** As indicated
PROJECT NUMBER: 2015800

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LANEY COLLEGE CENTRAL UTILITY PLANT UPGRADE
 PERALTA COMMUNITY COLLEGE DISTRICT
 900 FALLON STREET, OAKLAND, CA 94607



CONSULTANT

DATE	DESCRIPTION
03-15-2021	100% DD SET
04-14-2021	50% CD SET

BUILDING CODE ANALYSIS
DRAWING NUMBER: A0.7

LEGEND

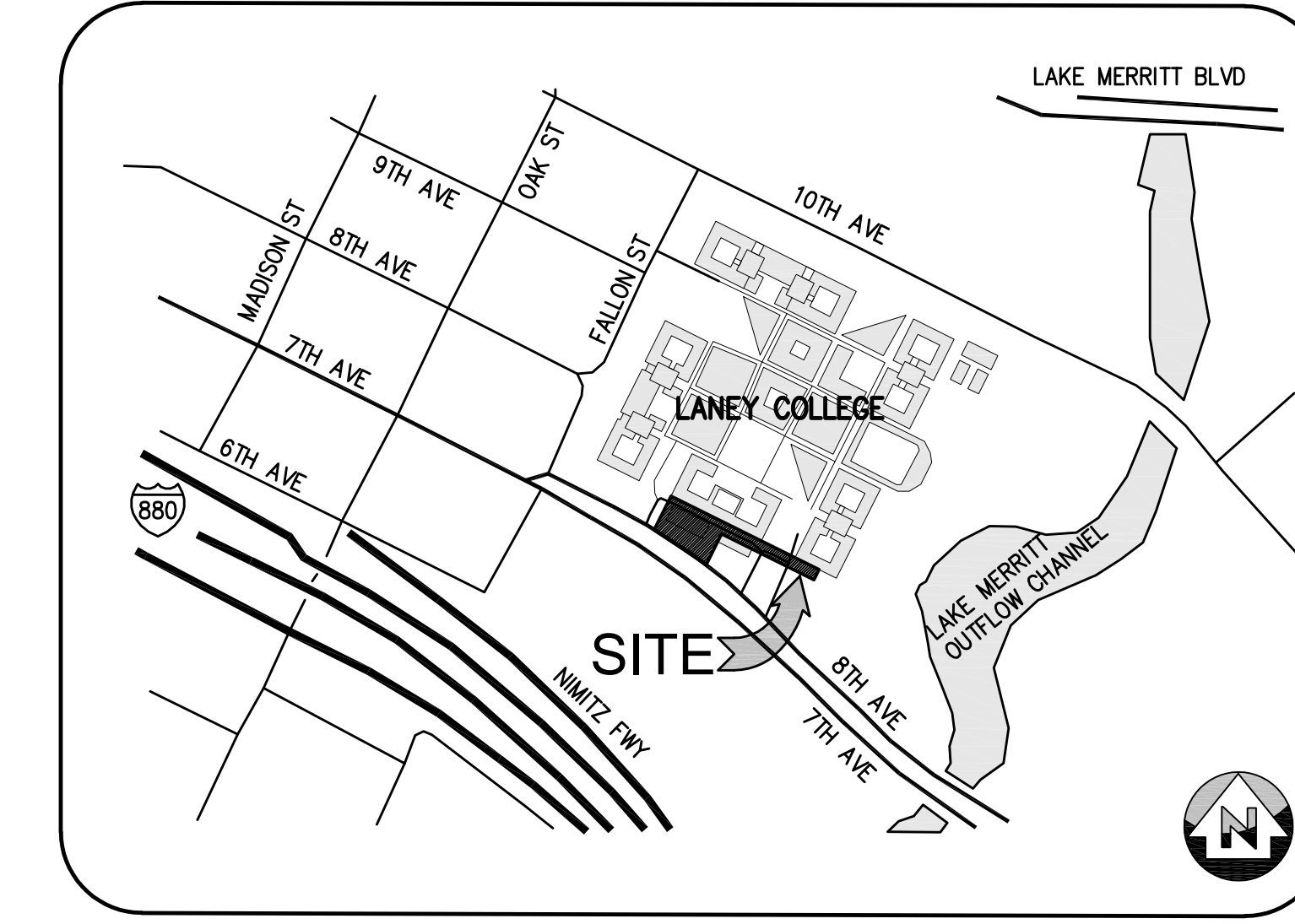
	EXISTING	PROPOSED
SAWCUT AND CONFORM LINE		
RETAINING WALL		
A.C. PAVEMENT		
CONC. VALLEY GUTTER		
CONC. SIDEWALK OR PAD		
6" CURB & GUTTER		
EDGE OF A.C. PAVEMENT		
6" VERTICAL CURB		
CENTER LINE		
SANITARY SEWER MAIN	8" SS	8" SS
STORM DRAIN MAIN	12" SD	15" SD
PERFORATED PIPE		
WATER MAIN	6" W	6" W
FIRE WATER MAIN	6" FW	4" FW
DOMESTIC WATER MAIN	6" DW	4" DW
CHILLED WATER MAIN	6" CHW	4" CHW
IRRIGATION LINE	2" IRR	4" IRR
HOT WATER SUPPLY & RETURN	HWS-HWR	HWS-HWR
STEAM LINE	ST	ST
TRENCH DRAIN		
CONDENSATE RETURN	CR	CR
FLOW LINE		
CHAIN LINK FENCE	X-X	X-X
GAS MAIN	G	2" G
ELECTRIC AND SIGNAL DUCT BANK	E	E
OVERHEAD ELECTRIC LINE	OHE	OHE
UNDERGROUND ELECTRIC LINE	UGE	UGE
STREET LIGHT CONDUIT	SL	SL
CONTOUR ELEVATION LINE	85	FG 95.94
SPOT ELEVATION	x 95.94	2:1 1% (with slope triangle)
DIRECTION OF SLOPE		
GAS METER		GM
GAS VALVE		GV
WATER METER		WM
WATER VALVE		WV
FIRE HYDRANT		PH
BACK FLOW PREVENTOR		BFP
POST INDICATOR VALVE	PIV	PIV
FIRE DEPARTMENT CONNECTION		FDC
WATER LINE TEE		WLT
CAP AND PLUG END		ARV
AIR RELEASE VALVE		ARV
SIGN		S
ACCESSIBLE RAMP		AR
CONCRETE THRUST BLOCK		CTB
REDUCER		R
SANITARY SEWER MANHOLE	SSGO	SSGO
SANITARY SEWER CLEANOUT	SSCO	SSCO
STORM DRAIN MANHOLE	SDGO	SDGO
STORM DRAIN AREA DRAIN	SDAO	SDAO
STORM DRAIN CATCH BASIN	SDCB	SDCB
STORM DRAIN CURB INLET	SDCI	SDCI
STORM DRAIN CLEANOUT	SDCO	SDCO
ELECTROLUER		EL
JOINT POLE		JP
OVERLAND RELEASE		OR
CONSTRUCTION DETAIL REFERENCE		

ABBREVIATIONS

AB	- AGGREGATE BASE
AC	- ASPHALT CONCRETE
AD	- AREA DRAIN
ADA	- AMERICANS WITH DISABILITIES ACT
ASB	- AGGREGATE SUBBASE
BC	- BEGINNING OF CURVE
BFP	- BACK FLOW PREVENTOR
BLDC	- BUILDING CORNER
BLOG	- BUILDING
BOD	- BOTTOM OF DOCK
BOL	- BOLLARD
BOS	- BOTTOM OF STEP
BOW	- FG @ BOTTOM OF WALL
BVC	- BEGIN VERTICAL CURVE
BW	- BACK OF WALK
C	- CONCRETE OR CIVIL
C&G	- CURB AND CUTTER
CB	- CATCH BASIN
CI	- COMBINATION INLET
CIP	- CAST IRON PIPE
CL	- CENTER LINE OR CLASS
CMP	- CORRUGATED METAL PIPE
CO	- CLEANOUT
COI	- CURB OPENING INLET
CONC	- CONCRETE
CONST	- CONSTRUCTION OR CONSTRUCT
CY	- CUBIC YARD
DCDA	- DOUBLE CHECK DETECTOR ASSEMBLY
DI	- DROP INLET
DIP	- DUCTILE IRON PIPE
DOM	- DOMESTIC
DW	- DOMESTIC WATER
DWG	- DRAWING
E	- EAST
EC	- END OF CURVE
EP	- EDGE OF PAVEMENT
ER	- END OF RETURN
EVC	- END VERTICAL CURVE
ELEV	- ELEVATION
EK, EXIST.	- EXISTING
FC	- FACE OF CURB
FDC	- FIRE DEPARTMENT CONNECTION
FF	- FINISHED FLOOR
FG	- FINISHED GRADE
FH	- FIRE HYDRANT
FL	- FLOW LINE
FO	- FOUNDATION
FS	- FINISHED SURFACE
FT	- FOOT
FW	- FIRE WATER
G	- GROUND ELEVATION
GB	- GRADE BREAK
GV	- GATE VALVE
HCR	- ACCESSIBLE RAMP
HP	- HIGH POINT
INV	- INVERT ELEVATION
JP	- JOINT POLE
JT	- JOINT TRENCH
LP	- LOW POINT
LSA	- LANDSCAPE ARCHITECT
MAX	- MAXIMUM
MEP	- MECHANICAL/ELECTRICAL/PLUMBING
MH	- MANHOLE
MIN	- MINIMUM
MPVC	- MIDPOINT OF VERTICAL CURVE
MW	- MOUND/WAIT
N	- NORTH
N/C	- NOT IN CONTRACT
NO	- NUMBER
NTS	- NOT TO SCALE
P	- PAVEMENT ELEVATION
PCC	- PORTLAND CEMENT CONCRETE / POINT OF CONTINUOUS CURVATURE
PIV	- POST INDICATOR VALVE
PL	- PROPERTY LINE
PMH	- POWER MANHOLE
POC	- POINT ON CURVE
PP	- POWER POLE
PRC	- POINT OF REVERSE CURVATURE
PPV	- POLYVINYL CHLORIDE PIPE
R	- RADIUS
RC	- RELATIVE COMPACTION
RCP	- REINFORCED CONCRETE PIPE
RPPA	- REDUCED PRESSURE PRINCIPLE ASSEMBLY
R/W	- RIGHT OF WAY
S	- SLOPE OR SOUTH
S.A.D.	- SEE ARCHITECTURAL DRAWINGS
SB	- SEDIMENT BASIN
SD	- STORM DRAIN
S.E.D.	- SEE ELECTRICAL DRAWINGS
SF	- SILT FENCE
SG	- SUBGRADE
S.L.D.	- SEE LANDSCAPE DRAWINGS
S.M.D.	- SEE MECHANICAL DRAWINGS
SMH	- SIGNAL MANHOLE
S.P.D.	- SEE PLUMBING DRAWINGS
SS	- SANITARY SEWER
STA	- STATION
STD	- STANDARD
S/W	- SIDEWALK
TC	- TOP OF CURB
TD	- TRENCH DRAIN
TOD	- TOP OF DOCK
TOE	- TOE OF SLOPE
TOS	- TOP OF STAIR
TOW	- FG @ TOP OF WALL
TS	- TOP OF SLAB
TYP	- TYPICAL
UN	- UNLESS OTHERWISE NOTED
U/G	- UNDERGROUND
VC	- VERTICAL CURVE
W	- WATER
WM	- WATER METER
WV	- WATER VALVE
W	- WEST
WWF	- WELDED WIRE FABRIC
W/	- WITH

LANEY COLLEGE CENTRAL UTILITY PLANT

900 FALLON STREET
OAKLAND, CA



VICINITY MAP
N.T.S.

UTILITY/POTHOLE NOTE

THE TYPES, LOCATIONS, SIZES AND /OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND FACILITIES AND UTILITIES BY POT-HOLING PRIOR TO COMMENCING CONSTRUCTION.

SURVEY UTILITY NOTE

THE TYPES, LOCATIONS, SIZES AND /OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY ARE APPROXIMATE AND WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THIS SURVEY.

SURVEY NOTE

THIS SURVEY WAS PREPARED BY CSW/STUBER-STROEH ENGINEERING GROUP, INC., DATED MARCH 6-8TH, 2019. ANY CHANGES OR IMPROVEMENTS MADE TO THE PROPERTY AFTER THIS DATE MAY NOT BE SHOWN ON THIS SURVEY.

HORIZONTAL DATUM IS CALIFORNIA STATE PLANE COORDINATES, NORTH AMERICAN DATUM OF 1983 (NAD83), ZONE 3, EPOCH 2010.000 PER GPS ORUS SOLUTION.

VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88) PER GPS ORUS SOLUTION.

ADA NOTES

- ALL SITE WORK SHALL BE IN CONFORMANCE WITH TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS AND WITH THE AMERICANS WITH DISABILITIES ACT.
- CURB RAMP SHALL NOT EXCEED A SLOPE OF 1:12 (8.33%).
- PATH OF TRAVEL TO BUILDINGS SHALL NOT EXCEED A SLOPE OF 1:20 (5%) UNLESS RAILINGS ARE SHOWN ON ARCHITECTURAL PLANS, IN WHICH CASE THE SLOPE SHALL NOT EXCEED 1:12 (8.33%).
- A 2% MAXIMUM SLOPE LANDING SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS, THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPEN ONTO THE LANDING.
- RAMP SHALL BE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5%) AND 1:12 (8.33%), AND SHALL HAVE A MINIMUM WIDTH OF 48" AND A MAXIMUM CROSS-SLOPE OF 2%. RAMP EXCEEDING 2"-6" VERTICAL SHALL HAVE INTERMEDIATE (2% MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". BOTTOM LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72".
- MAXIMUM CROSS SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2% MAXIMUM, MAXIMUM SLOPE WITHIN PARKING STALLS DESIGNATED AS ACCESSIBLE PARKING SHALL BE 2% IN ANY DIRECTION.
- ALL SIDEWALKS SHALL HAVE A 4' MINIMUM CLEAR WIDTH FOR ACCESSIBLE CONFORMANCE.

EARTHWORK QUANTITIES

CUT	XXX CY
FILL	XXX CY
BALANCE	XXX CY IMPORT/EXPORT
	(IF ZERO, INDICATE 0)

THE EARTHWORK QUANTITIES SHOWN ARE PROVIDED FOR THE PURPOSE OF GRADING PERMIT APPROVAL ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CARRY OUT THE CUT/FILL IMPORT/EXPORT AS NECESSARY TO MEET THE DESIGN GRADES AS SHOWN ON THE PLANS REGARDLESS OF THE ESTIMATED EARTHWORK QUANTITIES AS INDICATED. SIGNIFICANT DEVIATIONS TO THE QUANTITIES NEED REVIEW BY THE CITY/COUNTY. FILL SHORTAGE IS ANTICIPATED TO COME FROM ON-SITE SPOILS ACQUIRED FROM UTILITY TRENCHES AND FOOTING SPOILS.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

PROJECT DESCRIPTION

NEW CENTRAL UTILITY PLANT (CUP) AND ASSOCIATED SITE UTILITIES AND PAVEMENT REPAIR. NEW UTILITY STUB-OUTS FOR THE FUTURE LEARNING RESOURCE CENTER (LRC), AS WELL AS RELOCATING UTILITIES THAT FALL WITHIN THE LRC FOOTPRINT.

CONSTRUCTION NOTES

- ALL OFF-SITE CONSTRUCTION MATERIAL AND METHODS SHALL COMPLY WITH THE LATEST EDITION OF THE CITY OF OAKLAND AND THE LATEST CALTRANS STANDARD PLANS & SPECIFICATIONS.
- CONTRACTOR SHALL LEAVE AN EMERGENCY PHONE NUMBER WITH THE CITY OF OAKLAND POLICE AND FIRE DEPARTMENTS.
- CONTRACTOR SHALL POST ON THE SITE, EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, AMBULANCE, POLICE, AND FIRE DEPARTMENTS.
- CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY UNLESS AN EXCAVATION PERMIT SPECIFIES OTHERWISE.
- THE CONTRACTOR SHALL HIRE A STREET CLEANING CONTRACTOR TO CLEAN UP DIRT AND DEBRIS FROM CITY STREETS THAT ARE ATTRIBUTABLE TO THE DEVELOPMENT'S CONSTRUCTION ACTIVITIES.
- ALL GRADING SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MAINTENANCE DISTRICT FOR AIRBORNE PARTICULATES (DUST).
- ALL GRADING SHALL CONFORM TO APPROVED SPECIFICATIONS PRESENTED HEREON OR ATTACHED HERETO. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOILS ENGINEER. THE GEOTECHNICAL ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING. UNSUPERVISED AND UNAPPROVED GRADING WORK SHALL BE REMOVED AND REDONE AT THE CONTRACTOR'S EXPENSE.
- ALL MATERIALS, REQUIRED FOR THE COMPLETE EXECUTION OF THE PROJECT, SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR OR REPLACE ANY EXISTING IMPROVEMENTS OF UNDERGROUND FACILITIES DAMAGED DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL ENCROACHMENT, EXCAVATION, CONCRETE, ELECTRICAL, PLUMBING, ETC. PERMITS NECESSARY PRIOR TO BEGINNING CONSTRUCTION FOR ANY WORK.
- THE CONTRACTOR SHALL HAVE A SUPERINTENDENT OR REPRESENTATIVE ON SITE AT ALL TIMES DURING CONSTRUCTION.
- STORAGE OF CONSTRUCTION MATERIAL AND EQUIPMENT ON CITY STREETS WILL NOT BE PERMITTED.
- CONSTRUCTION EQUIPMENT SHALL BE PROPERLY MUFFLED. UNNECESSARY IDLING OF GRADING CONSTRUCTION EQUIPMENT IS PROHIBITED.
- CONSTRUCTION EQUIPMENT, TOOLS, ETC. SHALL NOT BE CLEANED OR RINSED INTO A STREET, GUTTER OR STORM DRAIN.
- A CONTAINED AND COVERED AREA ON-SITE SHALL BE USED FOR STORAGE OF CEMENT BAGS, PAINTS, FLAMMABLE, OILS, FERTILIZERS, PESTICIDES, OR ANY OTHER MATERIALS THAT HAVE POTENTIAL FOR BEING DISCHARGED TO THE STORM DRAIN SYSTEM BY WIND OR IN THE EVENT OF A MATERIAL SPILL.
- ALL CONSTRUCTION DEBRIS SHALL BE GATHERED ON A REGULAR BASIS AND PLACED IN A DUMPSTER WHICH IS EMPTIED OR REMOVED WEEKLY. WHEN FEASIBLE, TARPS SHALL BE USED ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORMWATER POLLUTION.
- ANY TEMPORARY ON-SITE CONSTRUCTION PILES SHALL BE SECURELY COVERED WITH A TARP OR OTHER DEVICE TO CONTAIN DEBRIS.
- CONCRETE TRUCKS AND CONCRETE FINISHING OPERATIONS SHALL NOT DISCHARGE WASH WATER INTO THE STREET GUTTERS OR DRAINS.

DISCREPANCIES

IF THERE ARE ANY DISCREPANCIES BETWEEN DIMENSIONS IN DRAWINGS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE ATTENTION OF THE ENGINEER FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES, SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

FEMA NOTES

PER FEMA COMMUNITY-PANEL NUMBER 06001C0067H, THE PROJECT SITE LIES IN ZONE X. ZONE X IS DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

GEOTECHNICAL NOTES

THE PROJECT SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE GEOTECHNICAL REPORT TITLED "GEOTECHNICAL INVESTIGATION FOR LANEY COLLEGE CENTRAL UTILITY PLANT", PERFORMED BY FUGRO USA LAND, INC., DATED JANUARY 8TH, 2021.

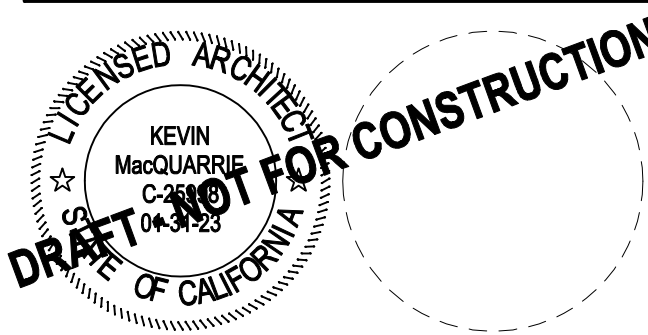
CORROSION PROTECTION NOTES

THE PROJECT SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE CORROSION PROTECTION REPORT TITLED "SOIL CORROSION EVALUATION & RECOMMENDATIONS FOR CORROSION CONTROL, LANEY COLLEGE CENTRAL UTILITY PLANT", PERFORMED BY JGH CORROSION CONSULTANTS, INC., DATED 3/19/2021.

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**LANEY COLLEGE CENTRAL UTILITY
PLANT UPGRADE**
PERALTA COMMUNITY COLLEGE DISTRICT
900 FALLON STREET, OAKLAND, CA 94607



CONSULTANT
SANDIS BUILD ON...
100% DD SET
50% CD SET

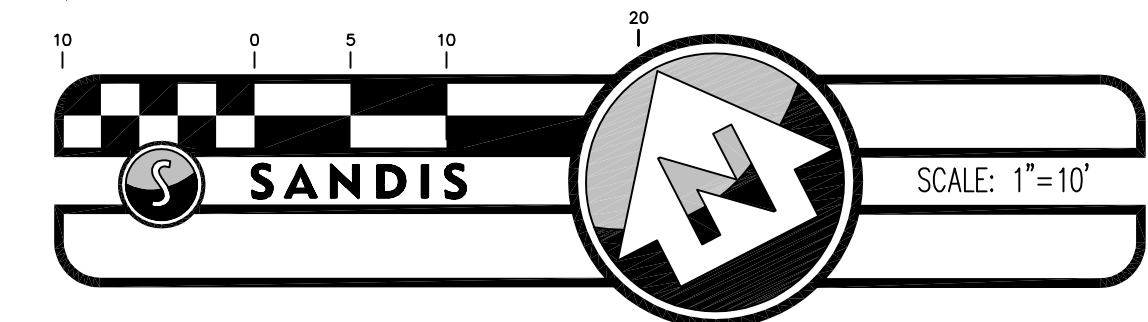
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REVISIONS			

DRAWN: SEC	CHECKED: SU
DATE: 03/15/21	SCALE: N.T.S.
PROJECT NUMBER: 2015800	

COVER SHEET
DRAWING NUMBER: **C1.0**



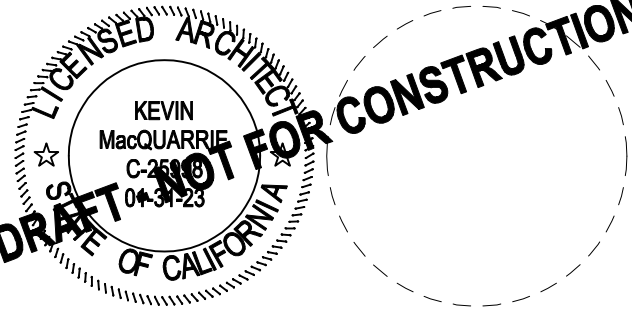
UNAUTHORIZED CHANGES AND USES
CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THE PLANS.



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**LANEY COLLEGE CENTRAL UTILITY
 PLANT UPGRADE**
 PERALTA COMMUNITY COLLEGE DISTRICT
 900 FALLON STREET, OAKLAND, CA 94607



CONSULTANT
SANDIS BUILD ON

NO	DATE	BY	DESCRIPTION
REVISIONS			

DRAWN: SEC CHECKED: SU
 DATE: 03/15/21 SCALE: 1"=10'
 PROJECT NUMBER: 2015800

**SITE UTILITY PLAN
 WEST**

DRAWING NUMBER: **C3.0**

LEGEND

- PROPERTY LINE
- SAWCUT LINE
- AC PAVEMENT
SEE DETAIL 1, SHEET C5.0
- TEMPORARY
AC PAVEMENT
SEE DETAIL 2, SHEET C5.0
- CONCRETE SIDEWALK
- PLANTING

STORM DRAIN NOTES

- PRIVATE STORM DRAIN LINE 4-INCH THROUGH 12-INCH WITH A MINIMUM OF TWO (2) FEET OF COVER IN NON-TRAFFIC AREAS SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35 GREEN PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034-73 WITH BELLS AND SPIGOT CONNECTIONS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS, 45° ELBOWS OR LONG SWEEP ELBOWS. 90° ELBOWS AND TEE'S ARE PROHIBITED.
- PRIVATE STORM DRAIN LINE 6-INCH THROUGH 12-INCH WITH LESS THAN THREE (3) FEET OF COVER IN VEHICULAR TRAFFIC AREAS SHALL BE POLYVINYL CHLORIDE (PVC) C900, RATED FOR 150 PSI CLASS PIPE, PROVIDE AND INSTALL "STORM DRAIN" MARKER TAPE FOR THE ENTIRE LENGTH OF PIPE TRENCH. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, OBTUSE ELBOWS OR LONG SWEEP ELBOWS. 90° ELBOWS AND TEE'S ARE PROHIBITED.
- ALL AREA DRAINS AND CATCH BASINS GRATES WITHIN PEDESTRIAN ACCESSIBLE AREAS SHALL MEET ADA REQUIREMENTS.
- ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.
- FOR GRAVITY FLOW SYSTEMS CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF ANY GRAVITY FLOW SYSTEM.
- DRAINS SHOWN ON CIVIL PLANS ARE NOT INTENDED TO BE THE FINAL NUMBER AND LOCATION OF ALL DRAINS. PLACEMENT AND NUMBER OF LANDSCAPING DRAINS ARE HIGHLY DEPENDENT ON GROUND COVER TYPE AND PLANT MATERIAL. CONTRACTOR SHALL ADD ADDITIONAL AREA DRAINS AS NEEDED AND AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- INSTALL SEPARATE SUB-DRAIN SYSTEM BEHIND RETAINING WALLS PER GEOTECHNICAL REPORT AND CONNECT TO STORM DRAIN SYSTEM AS SHOWN ON PLANS.
- ALL DOWN SPOUTS SHALL DISCHARGE DIRECTLY ON TO ADJACENT PERVIOUS SURFACES OR SPLASH BLOCKS UNLESS OTHERWISE NOTED ON PLANS. SEE ARCHITECTURE PLANS FOR EXACT LOCATION OF THE DOWN SPOUTS.

SANITARY SEWER NOTES

- ALL SEWER WORK SHALL BE IN CONFORMANCE WITH THE COUNTY ENVIRONMENTAL HEALTH DEPARTMENT STANDARDS.
- PRIVATE SANITARY SEWER MAIN AND SERVICE LINE 4-INCH THROUGH 8-INCH SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 GREEN SEWER PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034-73 WITH BELL AND SPIGOT CONNECTIONS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS OR 45° ELBOWS. 90° ELBOWS AND TEE'S ARE PROHIBITED.
- ALL LATERALS SHALL HAVE A TWO WAY CLEANOUT AT FACE OF BUILDING AND AS SHOWN ON PLANS.
- IF (E) SEWER LATERAL IS TO BE USED, CONTRACTOR SHALL VIDEO INSPECT, PERFORM PRESSURE TEST ON (E) SEWER LATERAL, AND SHALL PERFORM ANY NEEDED REPAIRS.

WATER SYSTEM NOTES

- MAINTAIN WATER MAIN LINES 10' AWAY FROM SANITARY SEWER MAIN LINES. LATERALS SHALL BE SEPARATED PER PLAN DIMENSIONS.
- WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90 DEGREE ANGLE AND WATER LINES SHALL BE MINIMUM OF 12" ABOVE TOP OF SANITARY SEWER LINES.
- ALL WATER SERVICE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE WATER DISTRICT STANDARDS.
- ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER.
- THRUST RESTRAINTS SHALL BE DESIGNED AND INSTALLED AT ALL TEES, CROSSES, BENDS (HORIZONTAL AND VERTICAL), AT SIZE CHANGES AND AT FIRE HYDRANTS.

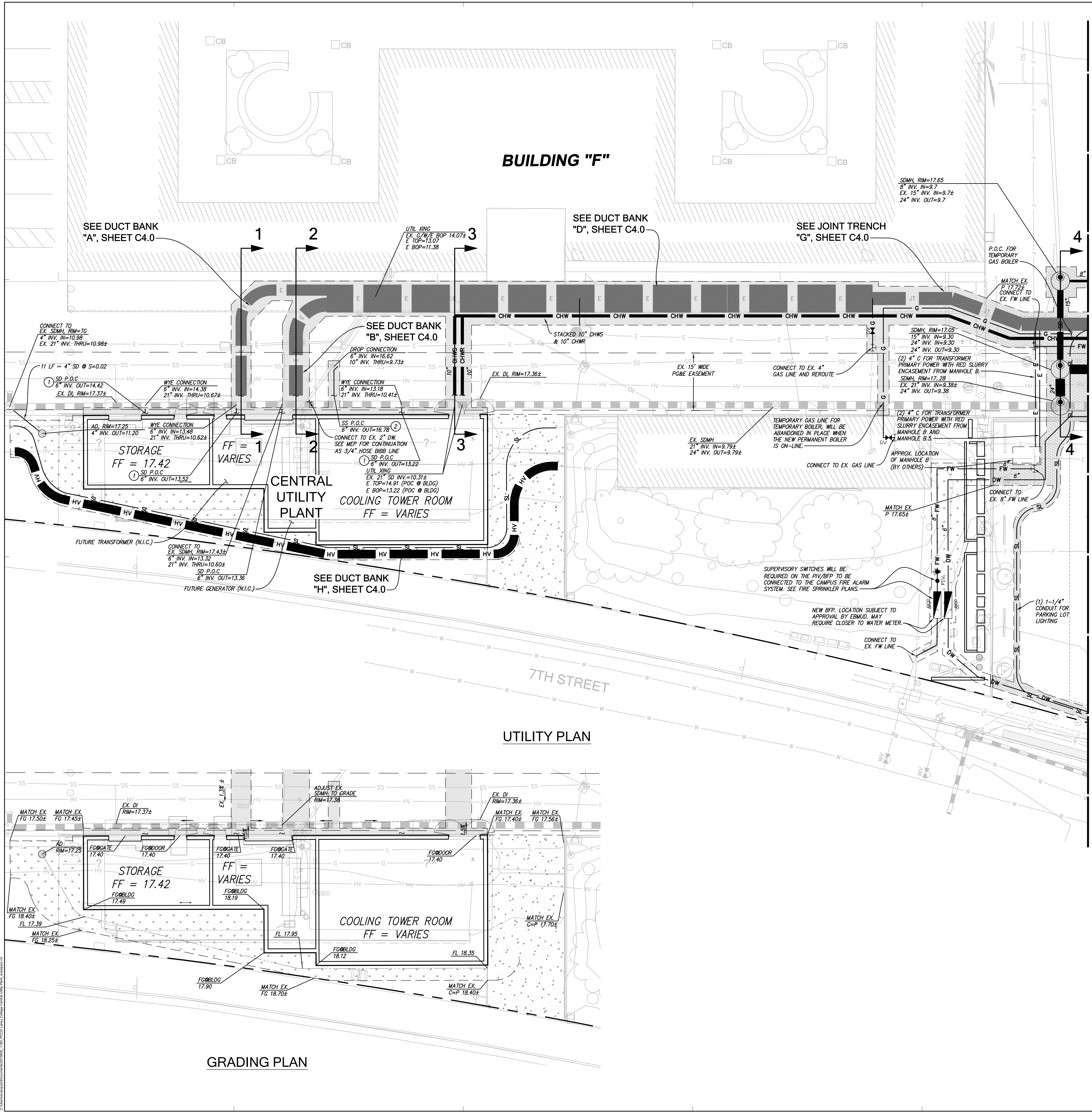
GENERAL NOTES

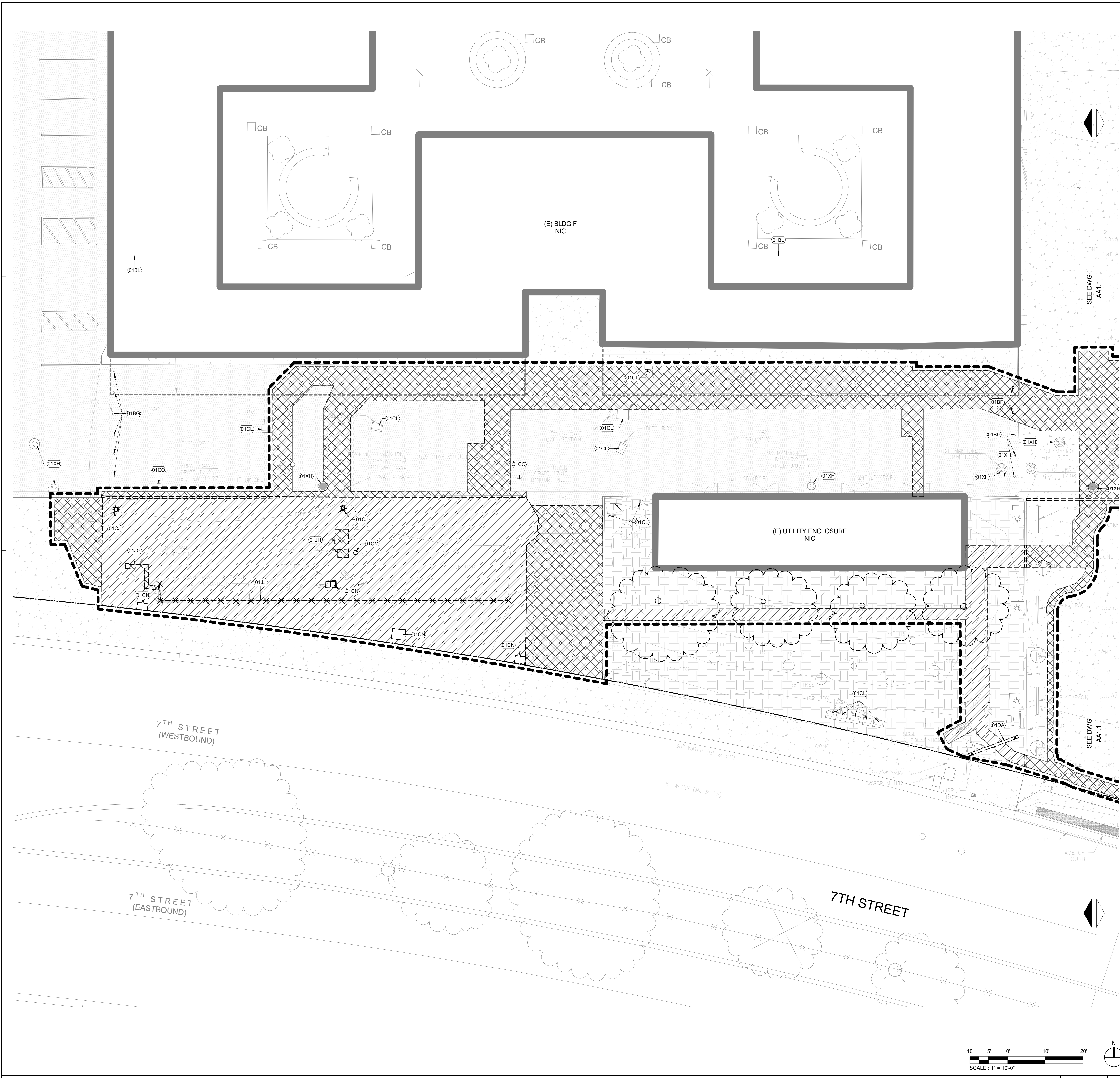
- FLEXIBLE PIPE CONNECTIONS SHALL BE USED AT EXISTING, PROPOSED AND FUTURE BUILDING UTILITY POINTS-OF-CONNECTION.
- CORROSION PROTECTION AND/OR CATHODIC PROTECTION OF BURIED METALLIC PIPING, FITTINGS AND APPURTENANCES IS REQUIRED. SEE CIVIL SPECIFICATIONS.
- A "ZERO NET LOAD" FOR SITE IMPROVEMENTS IS REQUIRED. SEE CIVIL SPECIFICATIONS.

SHEET NOTES

- STORM DRAIN POINT OF CONNECTION AT BUILDING. SEE ARCHITECTURAL PLANS FOR CONTINUATION. S=0.020 MIN.
- UTILITY POINT OF CONNECTION AT BUILDING. SEE PLUMBING PLANS FOR CONTINUATION.

MATCHLINE - SEE SHEET C3.1





GENERAL NOTES

- GENERAL DEMO NOTES:**
- CONTRACTOR TO DEMOLISH & REMOVE EXISTING SOILS, PLANTS MATERIAL, ASPHALT CONC PAVING, CONC FLATWORK, DEMOLITION DEBRIS, ETC SHOWN TO BE REMOVED IN THE DESIGNATED SCOPE OF DEMO AS REQUIRED FOR NEW CONSTRUCTION. ALL DEMO AND CONSTRUCTION SPOILS TO BE REMOVED OFF SITE AT CONTRACTOR'S EXPENSE.
 - CONTRACTOR RESPONSIBLE TO PATCH, REPAIR, OR RELOCATE ANY EXISTING PIPING, CONDUITS OR IRRIGATION LINES OR HEADS DISTURBED DURING DEMOLITION OR CONSTRUCTION PROCESS WHICH ARE NOT SCHEDULED FOR DEMOLITION IN SCOPE OF WORK.
 - CONTRACTOR RESPONSIBLE TO PATCH OR REPAIR ANY EXISTING SURFACES DAMAGED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION.
 - CONTRACTOR RESPONSIBLE TO PROTECT EXISTING TREES, PLANTS AND GROUND COVER NOT SCHEDULED FOR REMOVAL DURING DEMOLITION AND CONSTRUCTION.
 - CONTRACTOR RESPONSIBLE TO PROTECT EXISTING UTILITY SERVICES TO SCHOOL SITE TO INSURE NO DISRUPTION IN SERVICE DURING NORMAL SCHOOL HOURS.
 - CONTRACTOR RESPONSIBLE TO PROVIDE MIN OF 6' HIGH CHAIN LINK FENCE BARRIER AROUND ENTIRE BOUNDARY OF DEMOLITION AND CONSTRUCTION OPERATIONS FOR DURATION OF PROJECT.
 - CONTRACTOR RESPONSIBLE TO PROVIDE TEMPORARY CONSTRUCTION SIGN. LOCATION TO BE DETERMINED BY THE DISTRICT- REF 1/2.1
 - EXCEPTIONS TO NOTES ABOVE ARE GOVERNED BY REFERENCE NOTES DENOTED ON SITE PLAN.
 - REFER TO CIVIL AND LANDSCAPE DWGS FOR ADDITIONAL DEMOLITION INFO.

LEGEND

- AREA OF DEMOLITION. SEE GENERAL DEMO NOTES. REF CIVIL DWGS FOR ADDITIONAL DEMO SCOPE. NOTE SOME ITEMS WITHIN THE AREA TO REMAIN/TO BE SALVAGED PER PLAN
- (E) BUILDING
- (E) CONCRETE WALKWAY TO REMAIN. PROTECT IN PLACE
- (E) ASPHALT PAVING TO REMAIN. PROTECT IN PLACE
- (E) SOFTSCAPE TO REMAIN. PROTECT IN PLACE
- (E) HARDSCAPE TO BE DEMOLISHED, PATCHED, &/OR REPAIRED. REF CIVIL DWGS FOR EXTENT OF WORK
- (E) SOFTSCAPE TO BE DEMOLISHED OR REPLACED. REF TO CIVIL DWGS FOR EXTENT OF WORK
- DEMO LINES: SEE GENERAL NOTES FOR MORE INFO
- DEMOLISH (E) FENCE. SEE PLAN FOR EXTENT OF DEMOLITION
- (E) FENCE TO REMAIN. CONTRACTOR TO VIF WHERE PORTIONS OF DEMOLISHED FENCING TO OCCUR

REFERENCE NOTES

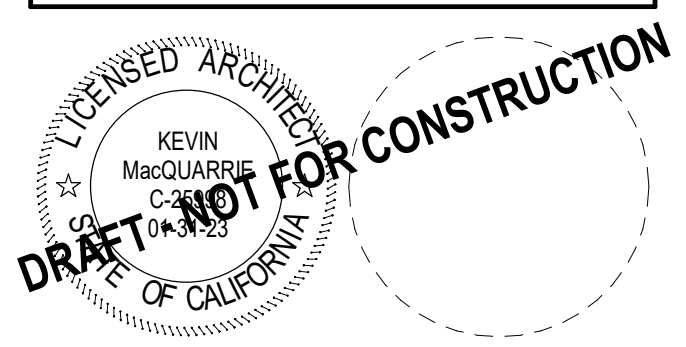
KEYNOTE	DESCRIPTION
01BF	(E) BOLLARD TO BE DEMOLISHED & REPLACED. REF DTL 5/2.1
01BG	(E) BOLLARD TO REMAIN. TYP. PROTECT IN PLACE
01BL	(E) ROOF OVERHANG/BUILDING LINE ABOVE
01CJ	(E) SITE LIGHTING TO BE REMOVED; SALVAGE & STORE POLES, ELECTRICAL EQUIPMENT, AND FURNISHINGS. DEMOLISH (E) BASE & CAP UTILITY LINES. CONTRACTOR TO REINSTALL IN KIND
01CL	(E) SITE UTILITY BOX TO REMAIN. TYP. IF UNIT IS DISTURBED DURING CONSTRUCTION, CONTRACTOR TO REINSTALL BOX TO ITS ORIGINAL LOCATION
01CM	(E) SANITARY SEWER CLEAN-OUT TO BE RELOCATED PER CIVIL DWGS
01CN	(E) SITE UTILITY BOX TO BE REMOVED & REINSTALLED IF IN GOOD CONDITION. REF CIVIL DWGS FOR NEW LOCATION
01CO	(E) DRAIN INLET TO REMAIN. TYP. IF UNIT IS DISTURBED DURING CONSTRUCTION, CONTRACTOR TO REINSTALL TO ITS ORIGINAL LOCATION
01DA	(E) MONUMENT SIGN TO BE REMOVED. SALVAGED & STORED DURING CONSTRUCTION. CONTRACTOR TO REINSTALL IN KIND
01JG	(E) DRAIN INLET TO REMAIN. TYP. IF UNIT IS DISTURBED DURING CONSTRUCTION, CONTRACTOR TO REINSTALL IN KIND
01JH	(E) CONCRETE WALL TO BE DEMOLISHED
01JL	(E) CONCRETE PAD TO BE DEMOLISHED
01JN	(E) WOOD WALL, FENCE & FOUNDATIONS TO BE DEMOLISHED
01XH	(E) MANHOLE TO REMAIN; PATCH & REPAIR AS REQD FOR NEW WORK- REF CIVIL DWGS



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CONSULTANT

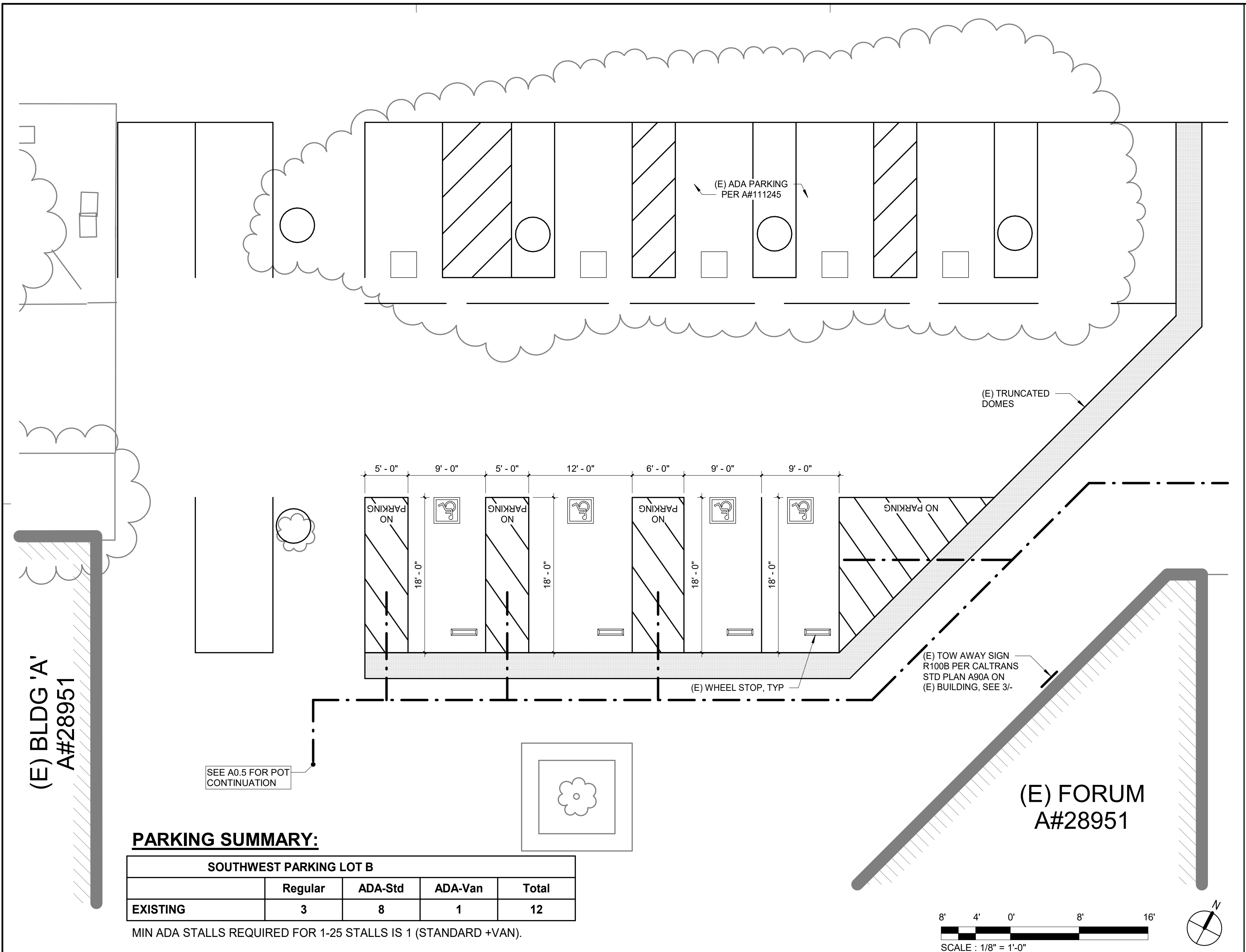
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04-14-2021	50% CD SET

NO	DATE	BY	DESCRIPTION
REVISIONS			

DRAWN: EV CHECKED: EM
 DATE: 03/15/21 SCALE: As indicated
 PROJECT NUMBER: 2015800

**ENLARGED DEMO
 SITE PLAN - WEST**

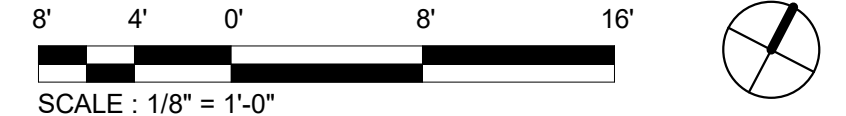
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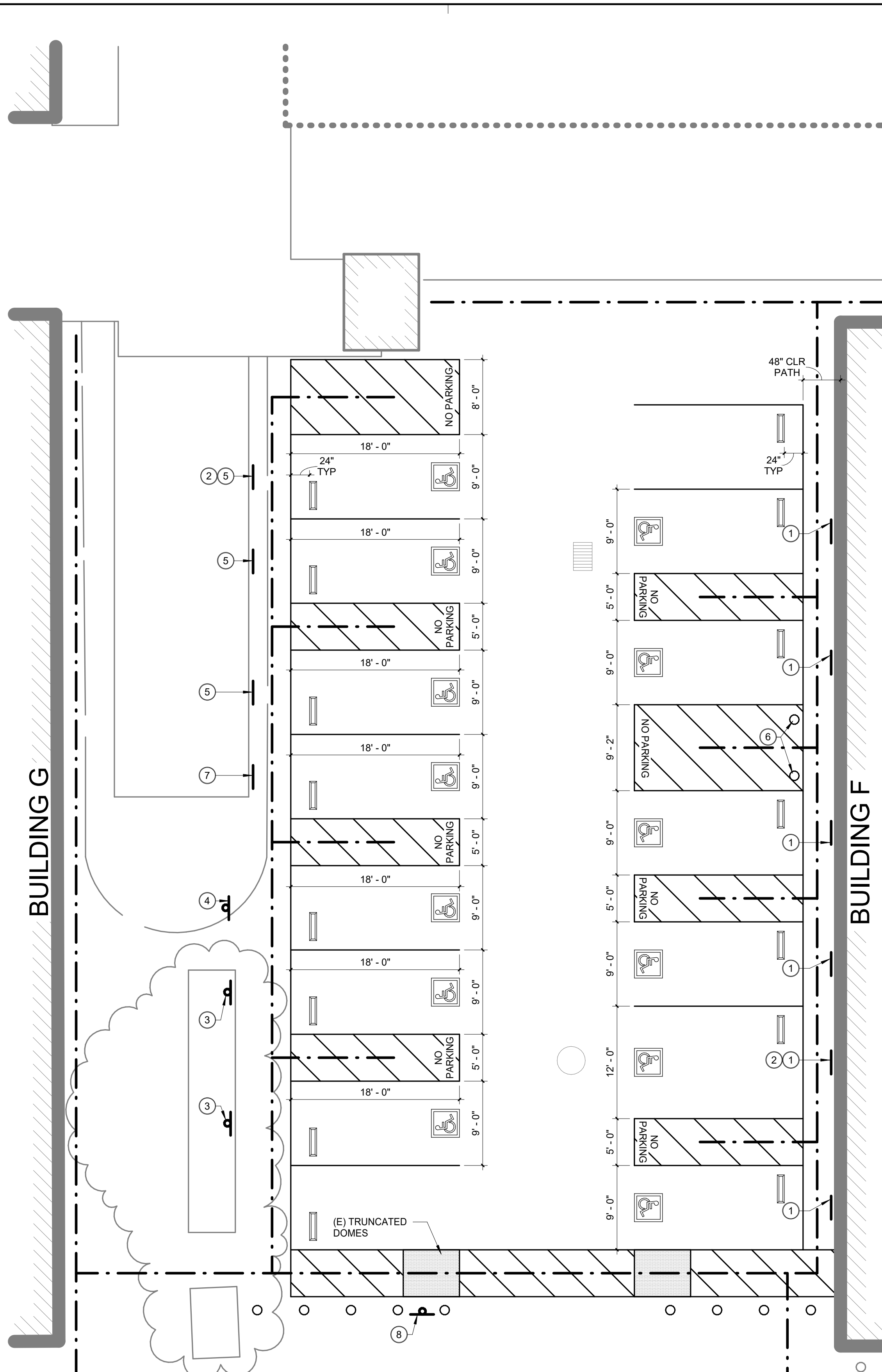
PARKING SUMMARY:

SOUTHWEST PARKING LOT B				
EXISTING	Regular	ADA-Std	ADA-Van	Total
	3	8	1	12

MIN ADA STALLS REQUIRED FOR 1-25 STALLS IS 1 (STANDARD +VAN).



EXISTING PARKING LOT A (A#01-119072) 1/8" = 1'-0" 2

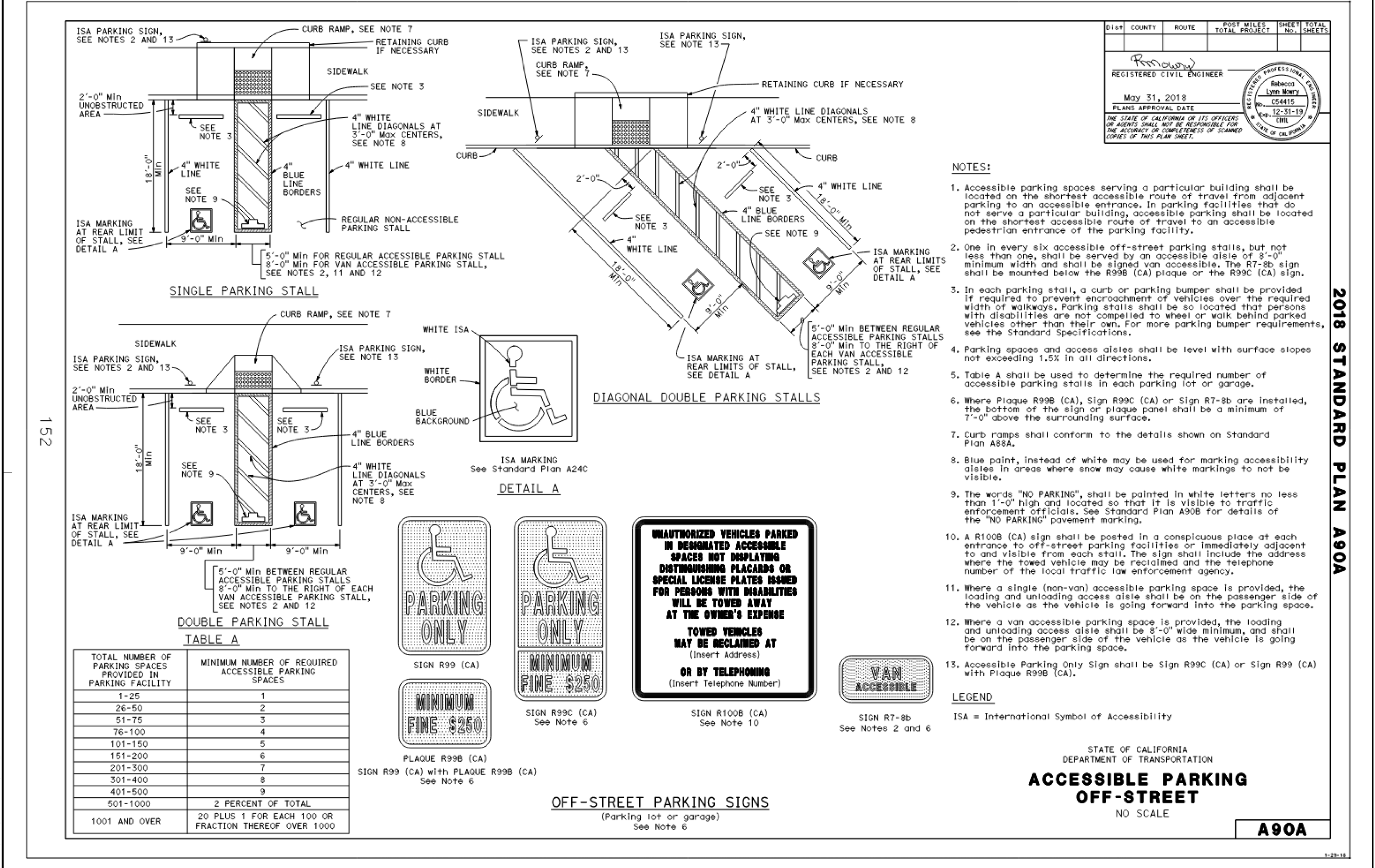


EXISTING PARKING LOT B (A#01-119072) 1/8" = 1'-0" 1

GENERAL NOTES & LEGEND

- GENERAL NOTES:**
- DRAWINGS ON THIS SHEET ARE FOR REFERENCE ONLY ILLUSTRATING EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.
 - ALL STRIPING OF EXISTING PARKING SPACES ARE 4" WHITE LINE, EXCEPT AT ADA PARKING SPACE LANDING AREAS ARE 4" BLUE LINE.
 - EXISTING 4" WHITE LINE DIAGONALS AT 3'-0" O.C. AT NO PARKING AREAS.
 - MAXIMUM NUMBER OF PARKING SPACES (INCLUDING ADA) WERE RESTRICTED AS A SLURRY SEAL PROJECT PER DSA #119072.
- (E) SIGN R99C PER CALTRANS STD PLAN A90A ON EXISTING BUILDING. SEE 3i.
 - (E) SIGN R7-8b PER CALTRANS STD PLAN A90A ON EXISTING BUILDING. SEE 3i.
 - (E) ACCESSIBLE PARKING SIGN AND POST R99C PER CALTRANS STD PLAN A90A IN PLASTER AREA, SEE 3i.
 - (E) ACCESSIBLE PARKING SIGN AND POST R99C PER CALTRANS STD PLAN A90A IN CONCRETE AREA, SEE 3i.
 - (E) ACCESSIBLE PARKING SIGN R99C PER CALTRANS STD PLAN A90A BOLTED TO WALL OF THE EXISTING STAIRCASE, SEE 3i.
 - (E) BOLLARD IN "NO PARKING" ASPHALT AREA.
 - (E) ACCESSIBLE PARKING SIGN AND POST R99C PER CALTRANS STD PLAN PLACED ON (E) STAIRCASE RAILING, SEE 3i.
 - (E) SIGN R100B PER CALTRANS STD PLAN A90A, SEE 3i.

--- ACCESSIBLE PATH OF TRAVEL



- NOTES:**
- Accessible parking spaces serving a particular building shall be located on the shortest accessible route of travel from adjacent parking to an accessible entrance. In parking facilities that do not serve a particular building, accessible parking shall be located on the shortest accessible route of travel to an accessible pedestrian entrance of the parking facility.
 - One in every six accessible off-street parking stalls, but not less than one, shall be served by an accessible aisle of 8'-0" minimum width and shall be signed van accessible. The R7-8b sign shall be mounted below the R99C (CA) plaque or the R99C (CA) sign.
 - In each parking stall, a curb or parking bumper shall be provided if required to prevent encroachment of vehicles over the required width of walkways. Parking stalls shall be so located that persons with disabilities are not compelled to wheel or walk behind parked vehicles other than their own. For more parking bumper requirements, see the Standard Specifications.
 - Parking spaces and access aisles shall be level with surface slopes not exceeding 1:5X in all directions.
 - Table A shall be used to determine the required number of accessible parking stalls in each parking lot or garage.
 - Where Plaque R99B (CA), Sign R99C (CA) or Sign R7-8b are installed, the bottom of the sign or plaque panel shall be a minimum of 7'-0" above the surrounding surface.
 - Curb ramps shall conform to the details shown on Standard Plan A88A.
 - Blue paint, instead of white may be used for marking accessibility aisles in areas where snow may cause white markings to not be visible.
 - The words "NO PARKING", shall be painted in white letters no less than 1'-0" high and located so that it is visible to traffic enforcement officials. See Standard Plan A90B for details of the "NO PARKING" pavement marking.
 - A R100B (CA) sign shall be posted in a conspicuous place at each entrance to off-street parking facilities or immediately adjacent to and visible from each stall. The sign shall include the address where the towed vehicle may be reclaimed and the telephone number of the local traffic law enforcement agency.
 - Where a single (non-van) accessible parking space is provided, the loading and unloading access aisle shall be on the passenger side of the vehicle as the vehicle is going forward into the parking space.
 - Where a van accessible parking space is provided, the loading and unloading access aisle shall be 8'-0" wide minimum, and shall be on the passenger side of the vehicle as the vehicle is going forward into the parking space.
 - Accessible Parking Only Sign shall be Sign R99C (CA) or Sign R99 (CA) with Plaque R99B (CA).

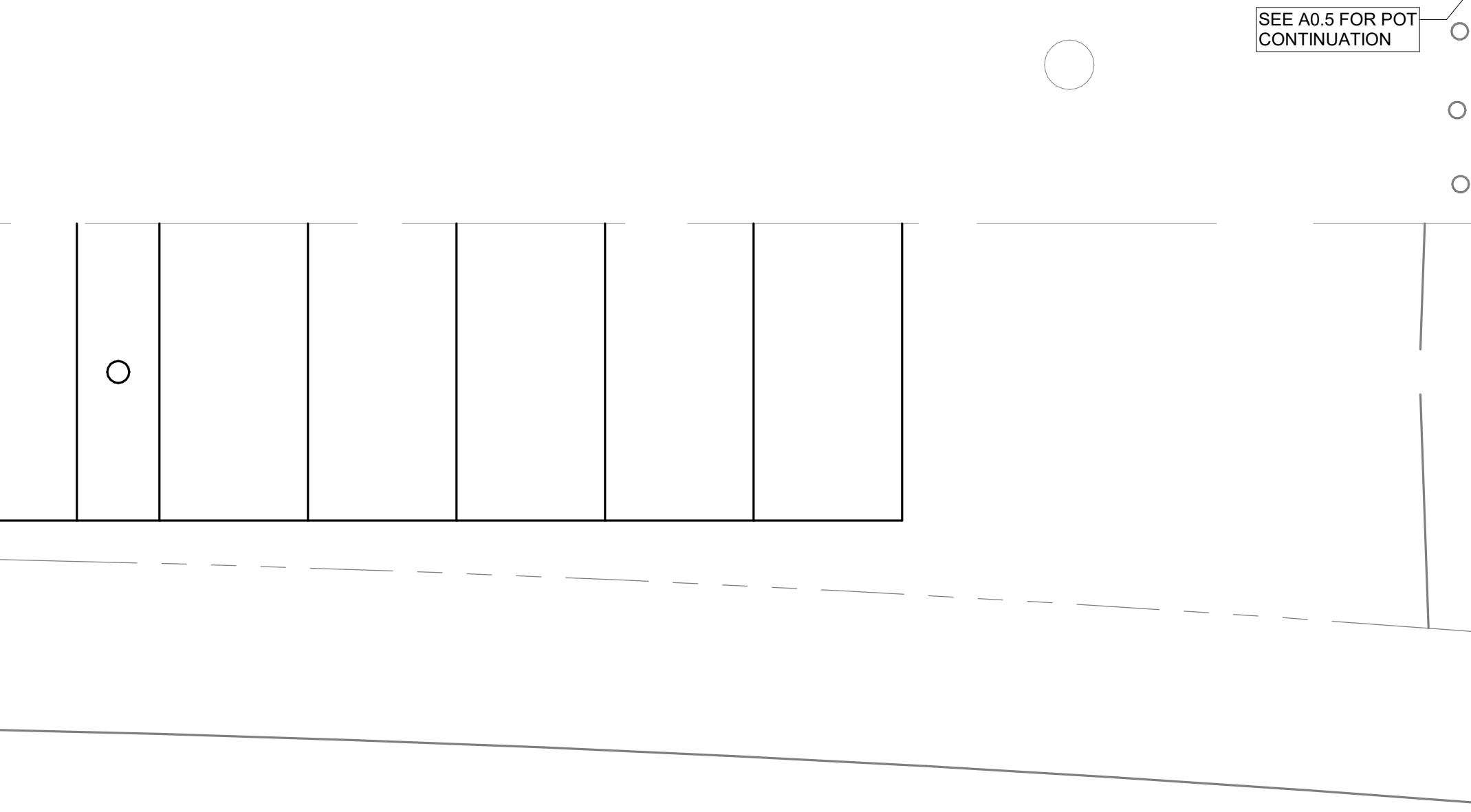


TABLE A

TOTAL NUMBER OF PARKING SPACES PROVIDED IN PARKING FACILITY	MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES
1-25	1
26-50	2
51-75	3
76-100	4
101-150	5
151-200	6
201-500	7
501-1000	8
1001-5000	9
501-1000	2 PERCENT OF TOTAL
1001 AND OVER	20 PLUS 1 FOR EACH 100 OR FRACTION THEREOF OVER 1000

OFF-STREET PARKING SIGNS
(Parking lot or garage)
See Note 6

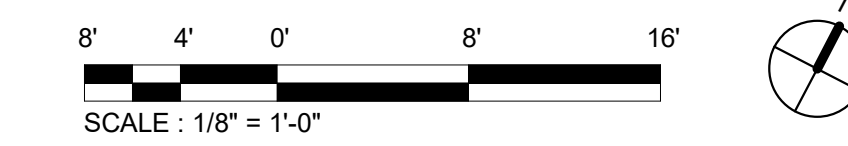
ACCESSIBLE PARKING OFF-STREET
NO SCALE
A90A



PARKING SUMMARY:

SOUTHWEST PARKING LOT B				
EXISTING	Regular	ADA-Std	ADA-Van	Total
	8	11	2	21

MIN ADA STALLS REQUIRED FOR 1-25 STALLS IS 1 (STANDARD +VAN).

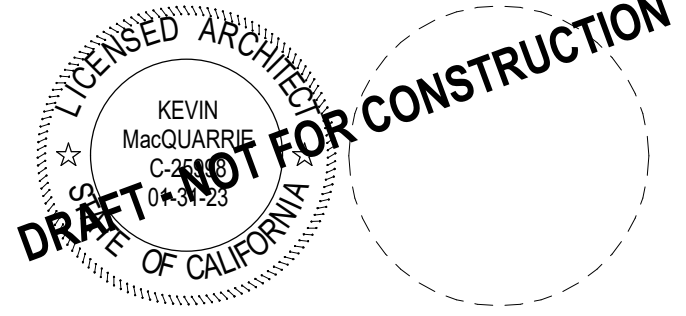


EXISTING PARKING LOT B (A#01-119072) 1/8" = 1'-0" 1

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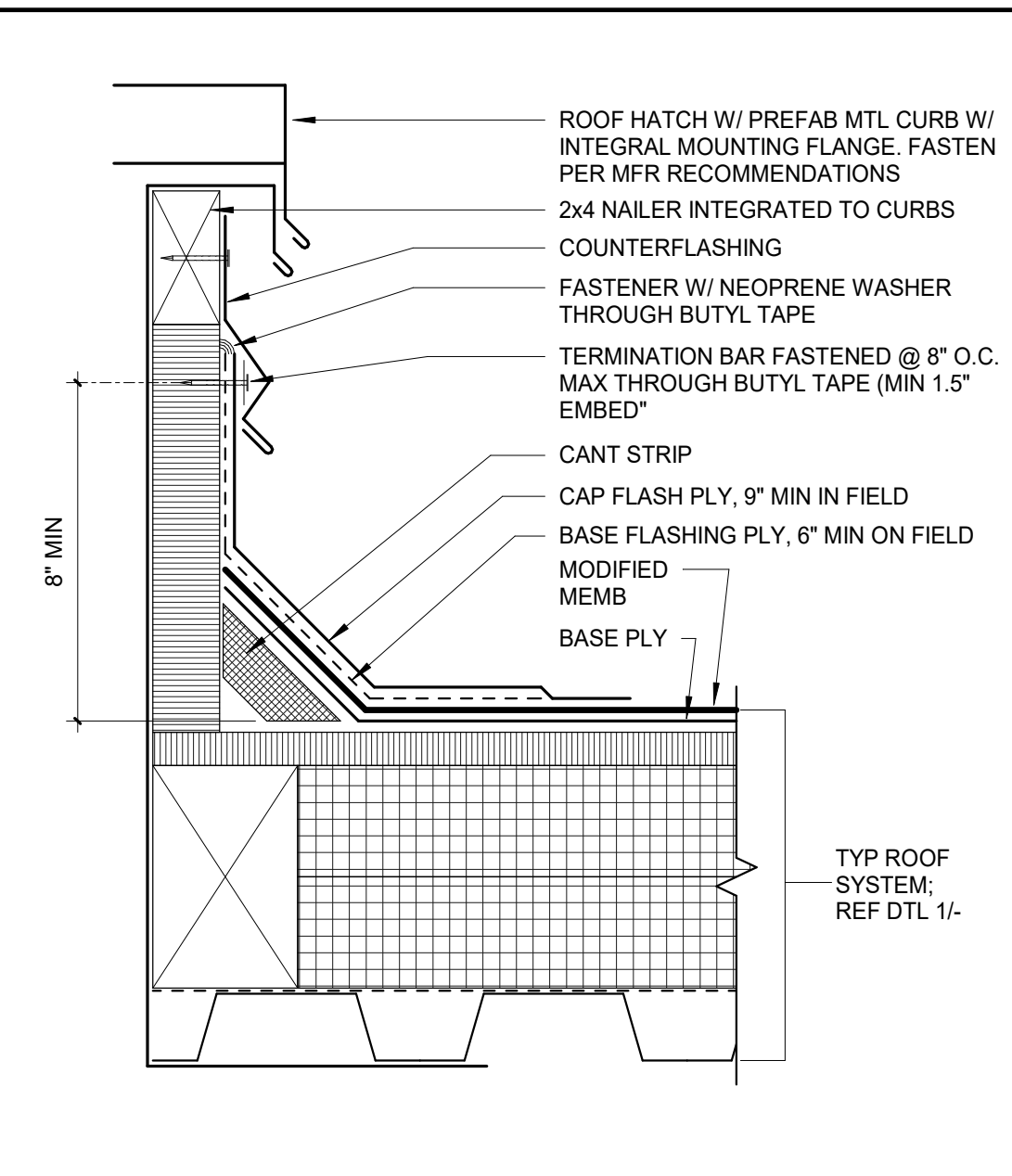
NO	DATE	BY	DESCRIPTION
			REVISIONS

03-15-2021	100% DD SET
04-14-2021	50% CD SET

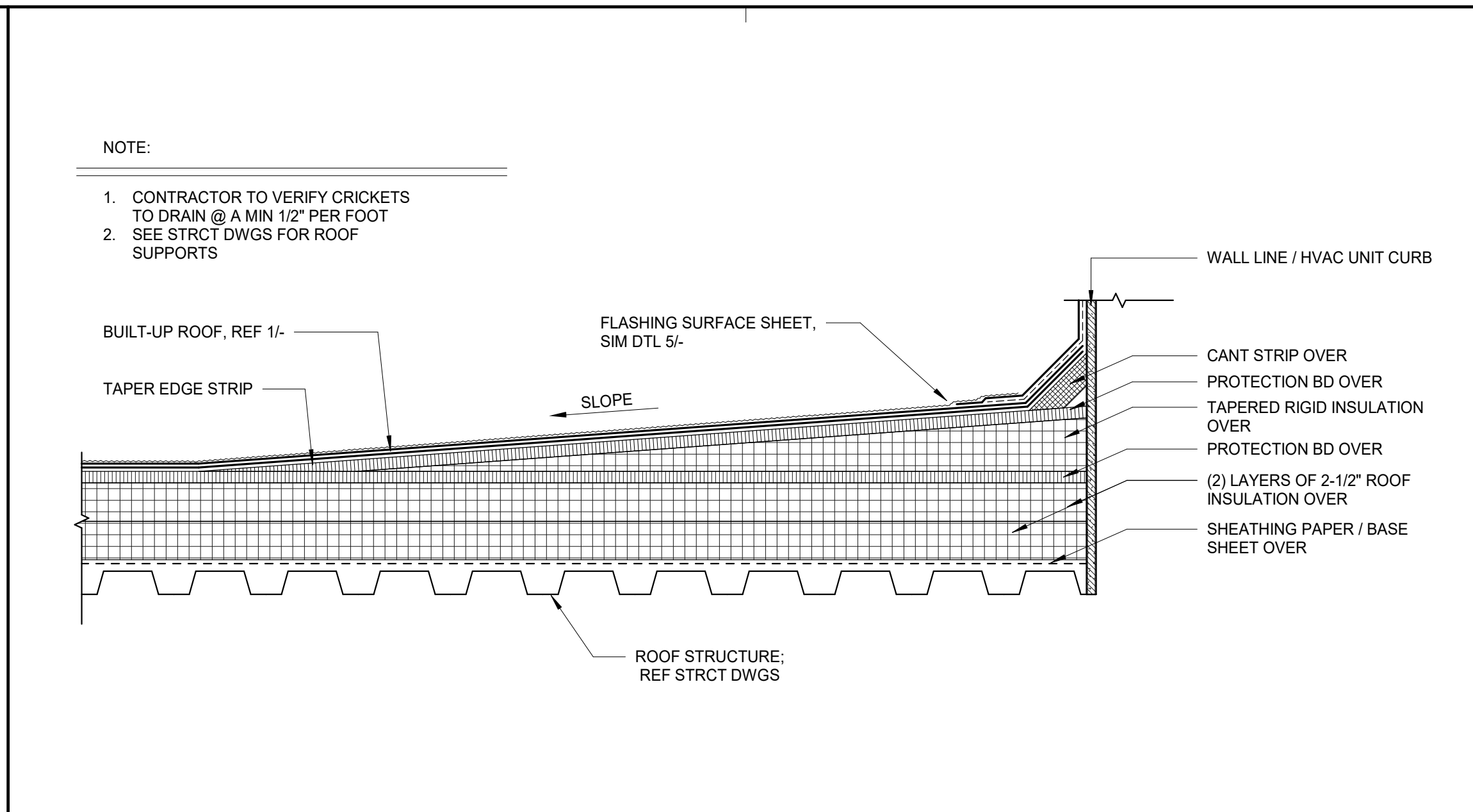
DRAWN: Author CHECKED: Checker
DATE: 03/25/21 SCALE: As indicated
PROJECT NUMBER: 2015800

ENLARGED EXISTING SITE PARKING

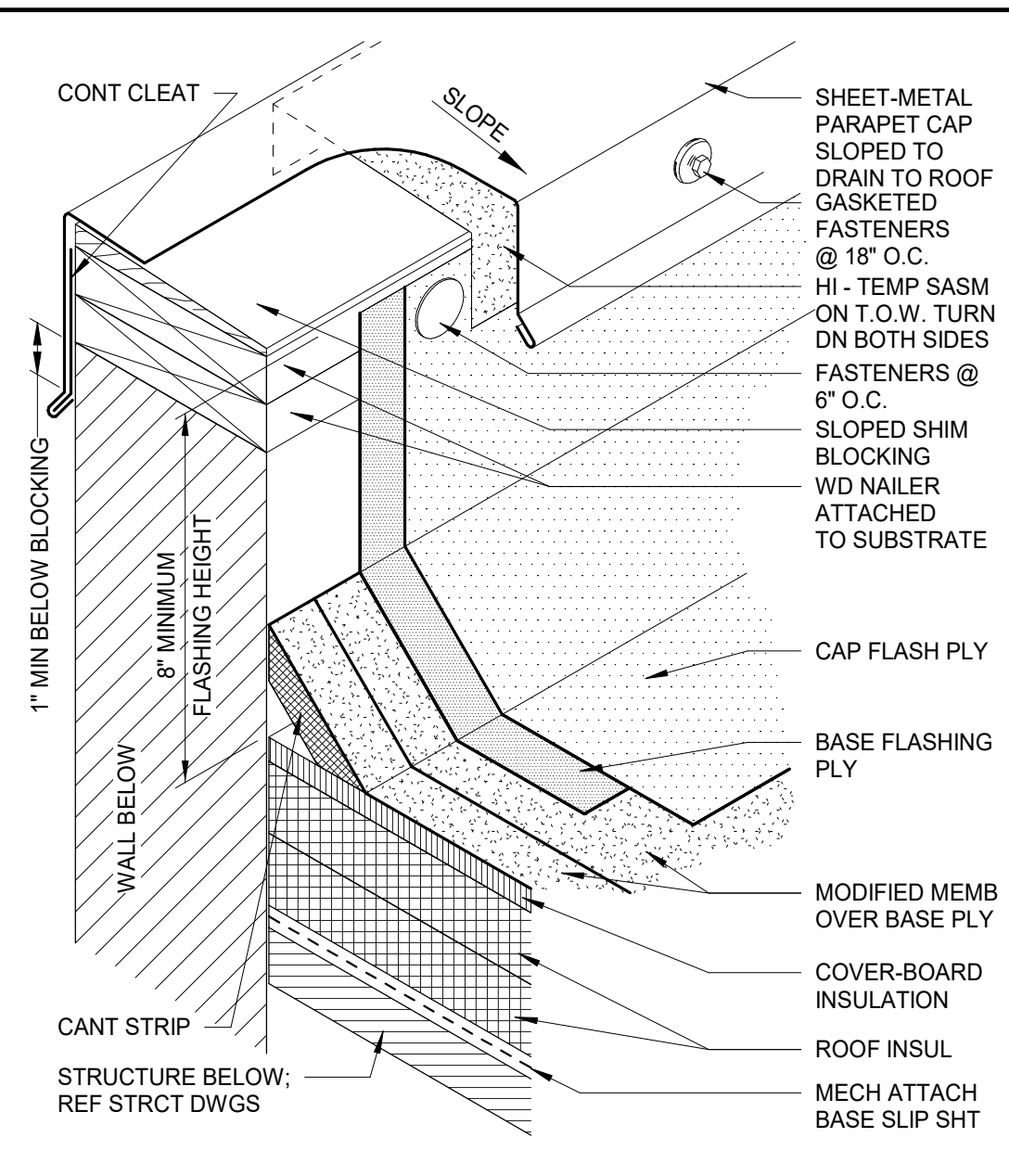
DRAWING NUMBER: **A1.4**



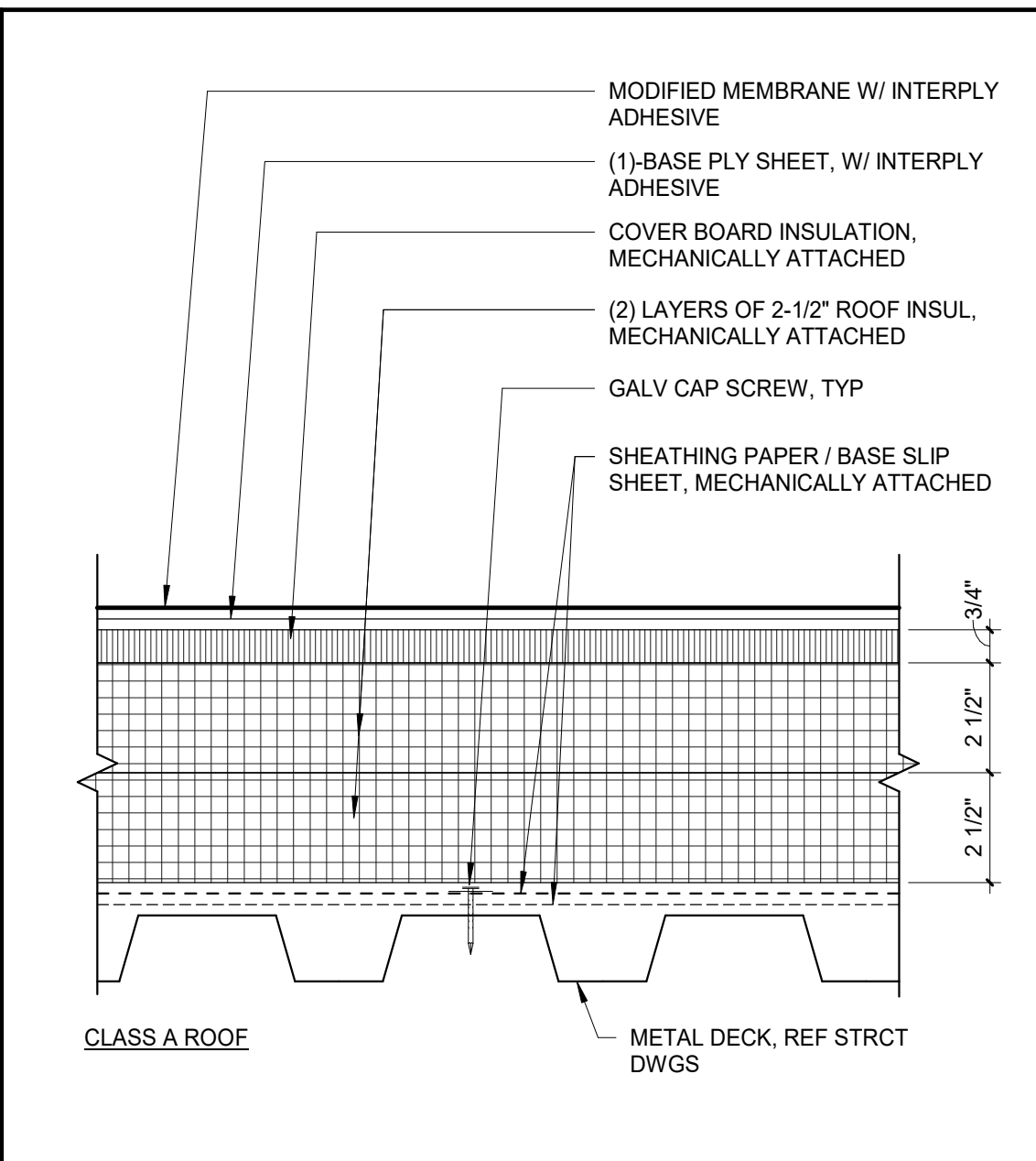
ROOF HATCH SECTION 3" = 1'-0" 17



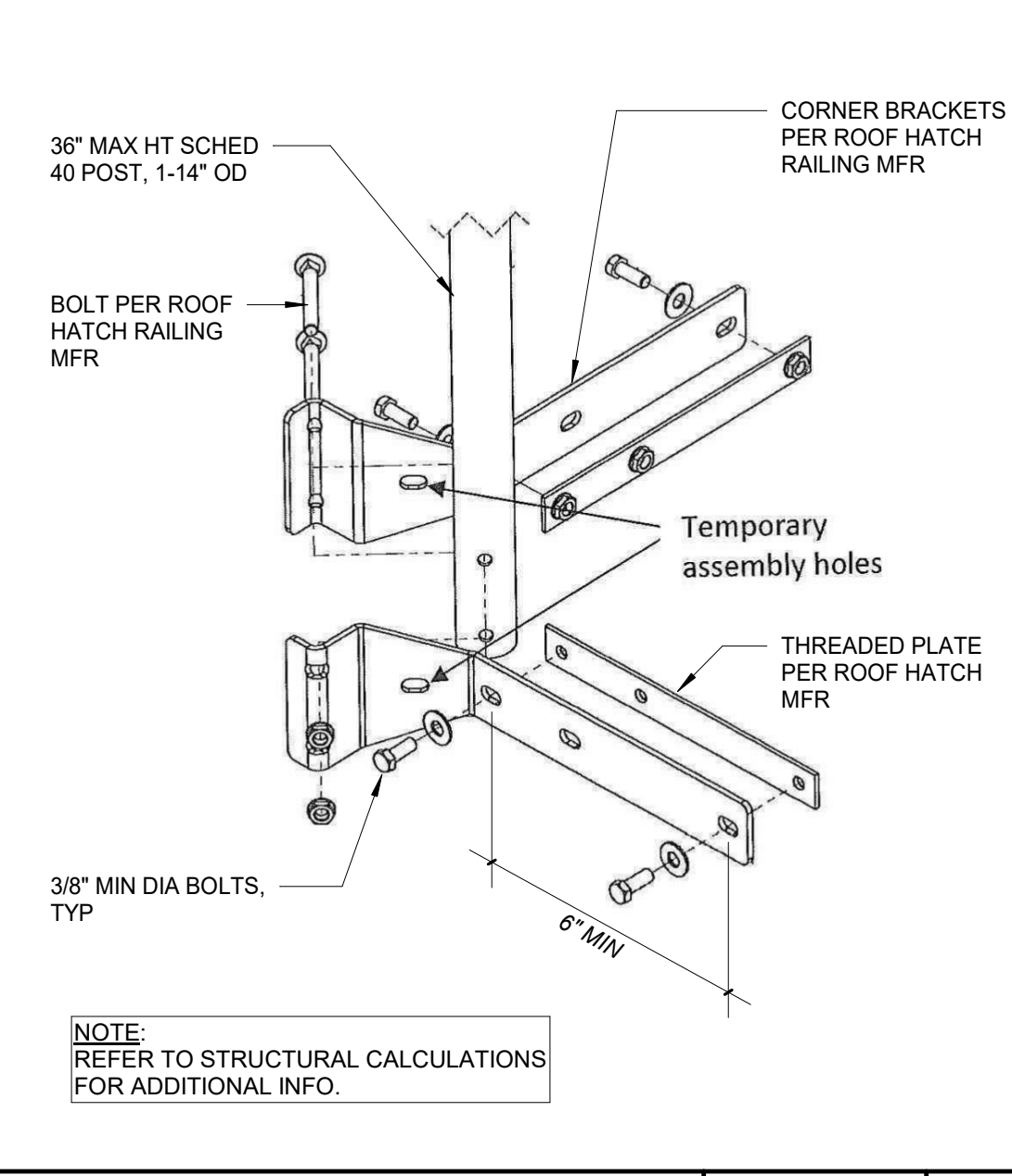
ROOF CRICKET 1 1/2" = 1'-0" 9



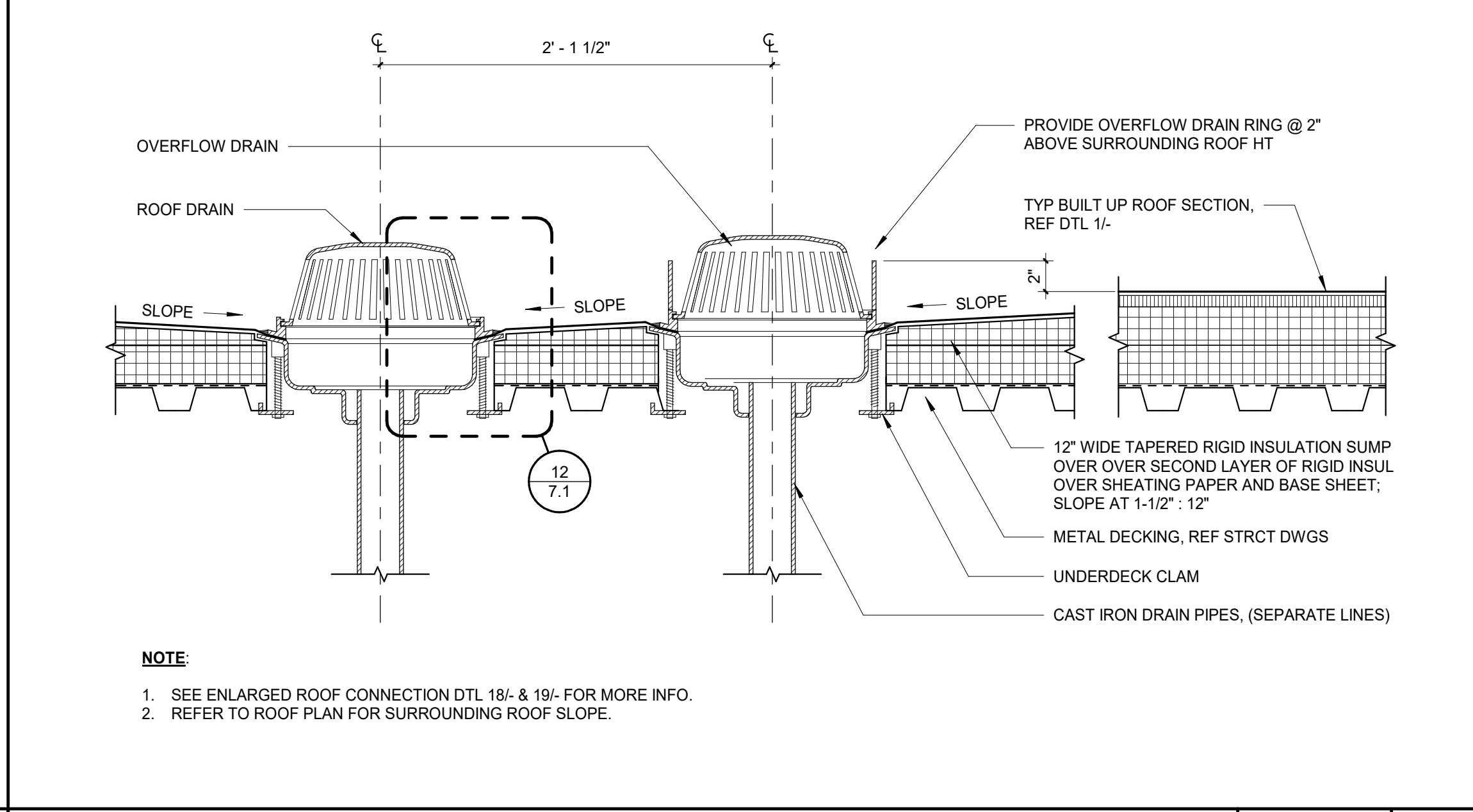
PARAPET WALL ISOMETRIC 12" = 1'-0" 5



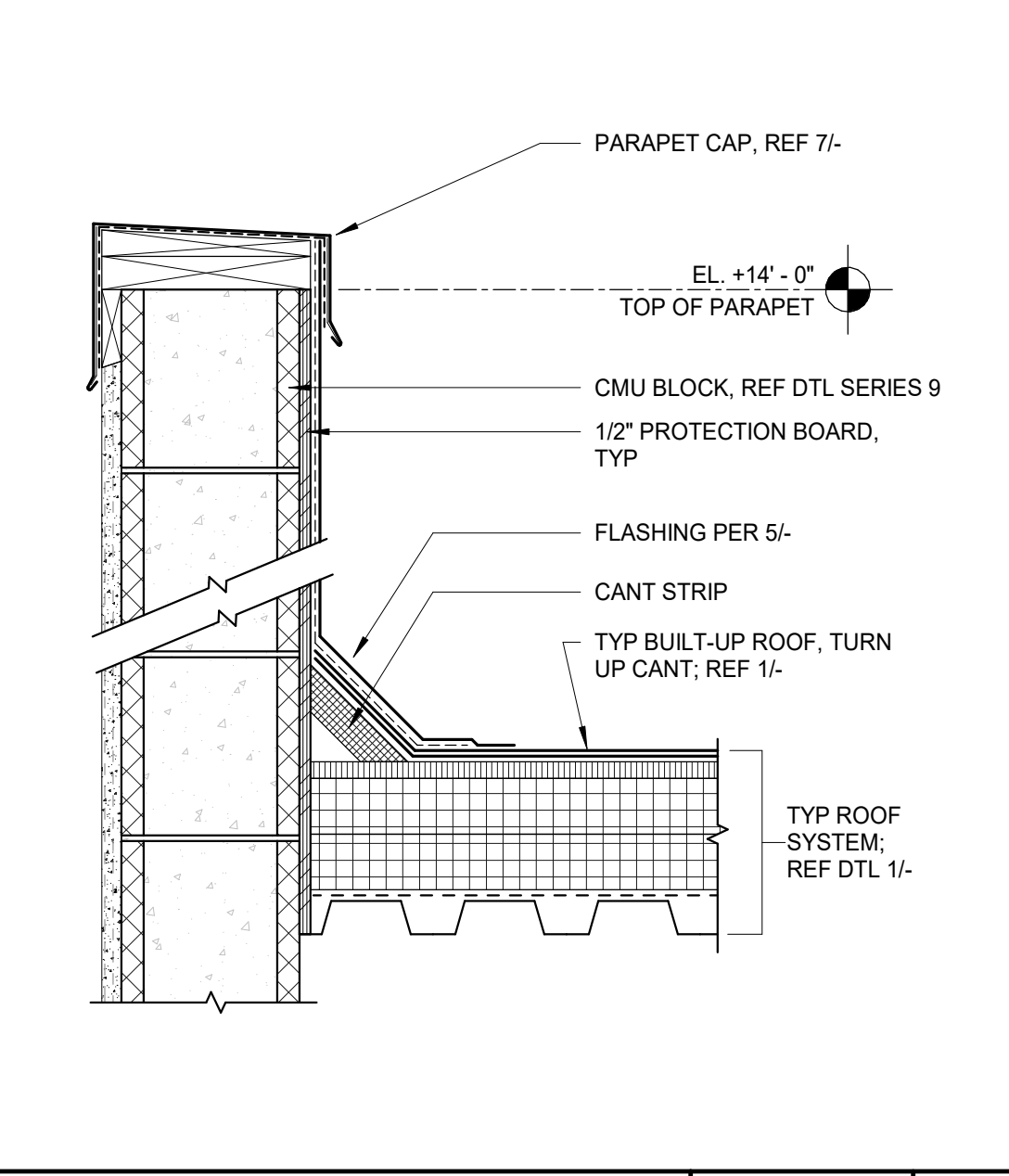
TYP BUILT-UP ROOF SECTION 3" = 1'-0" 1



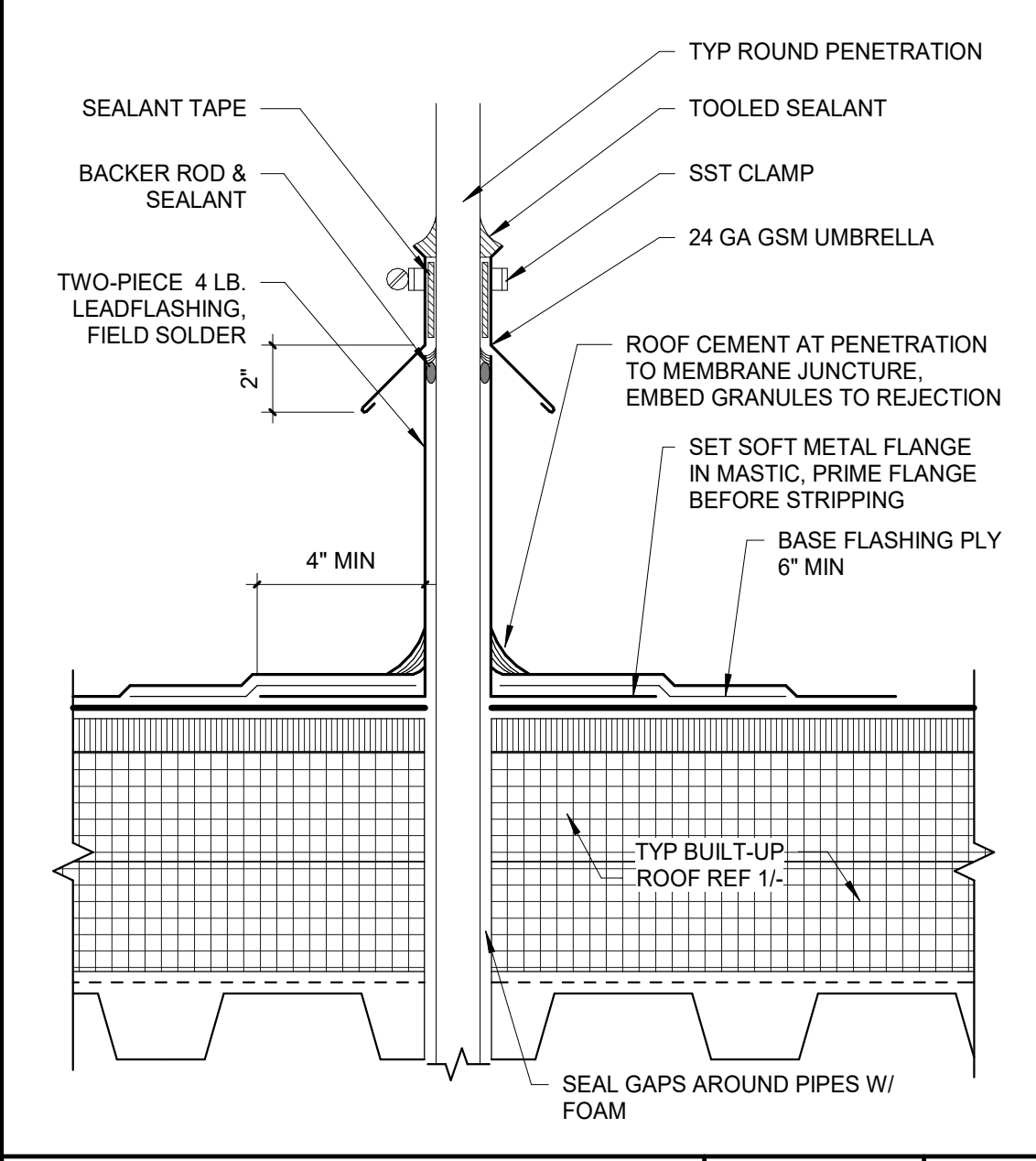
ROOF HATCH RAILING 1 1/2" = 1'-0" 18



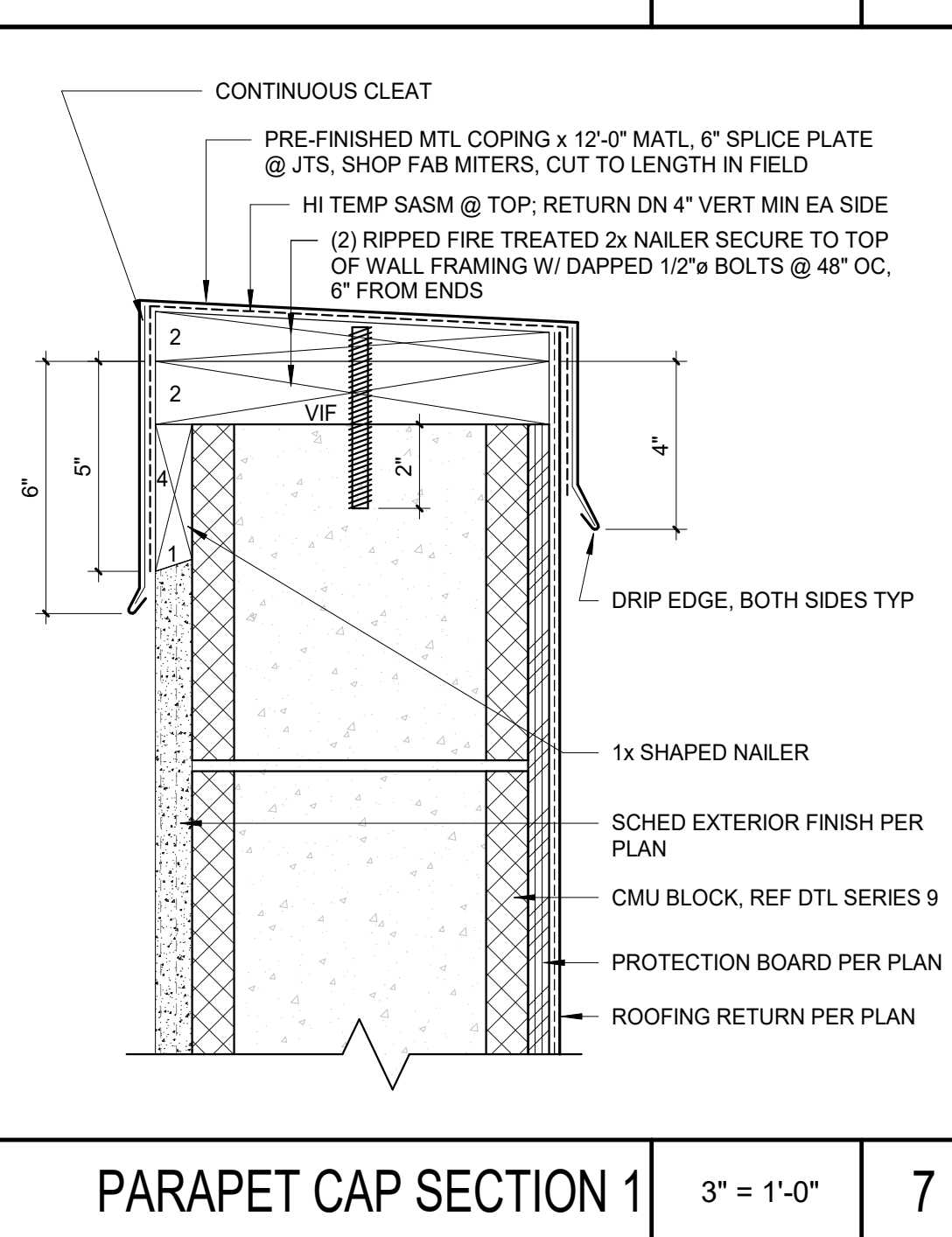
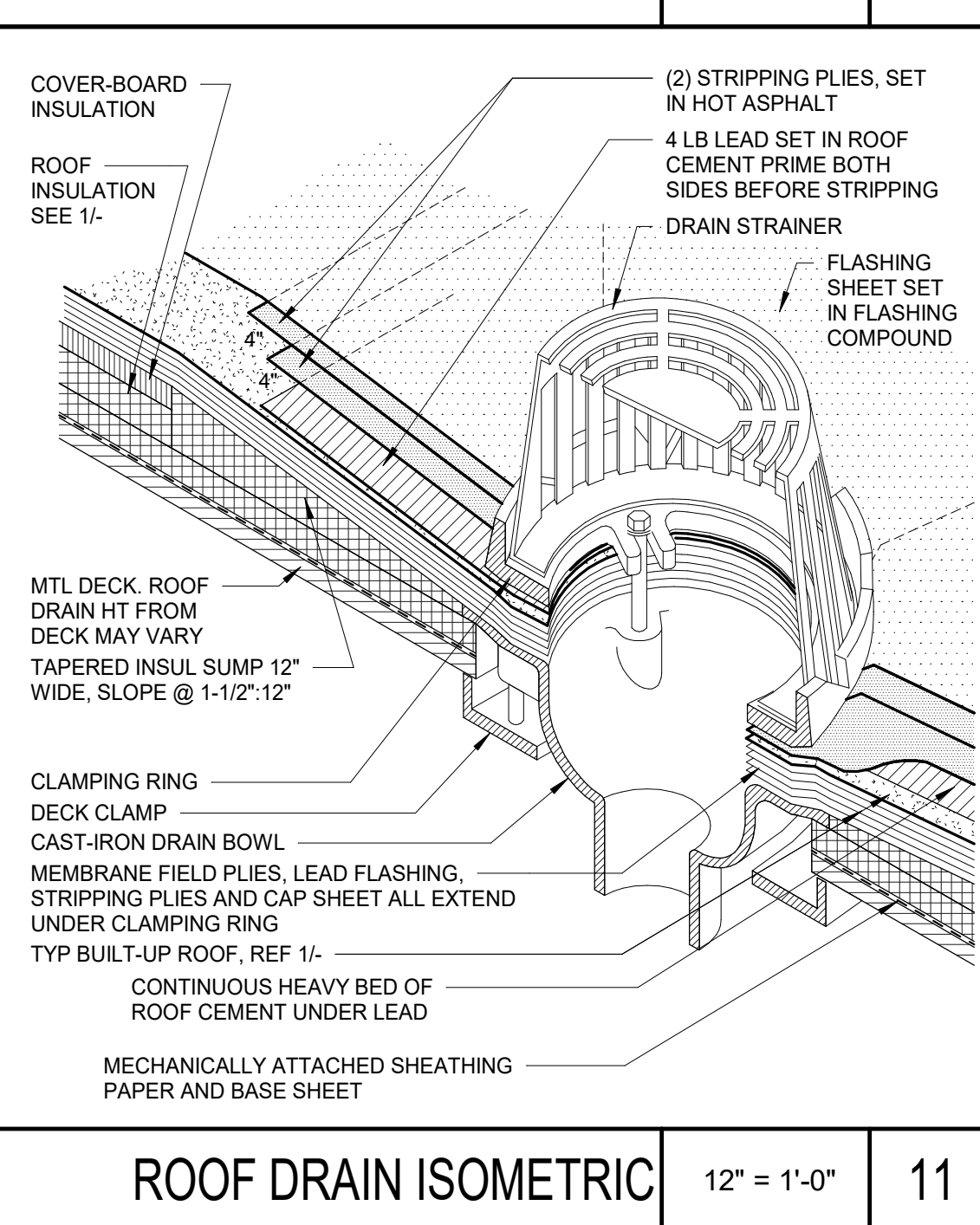
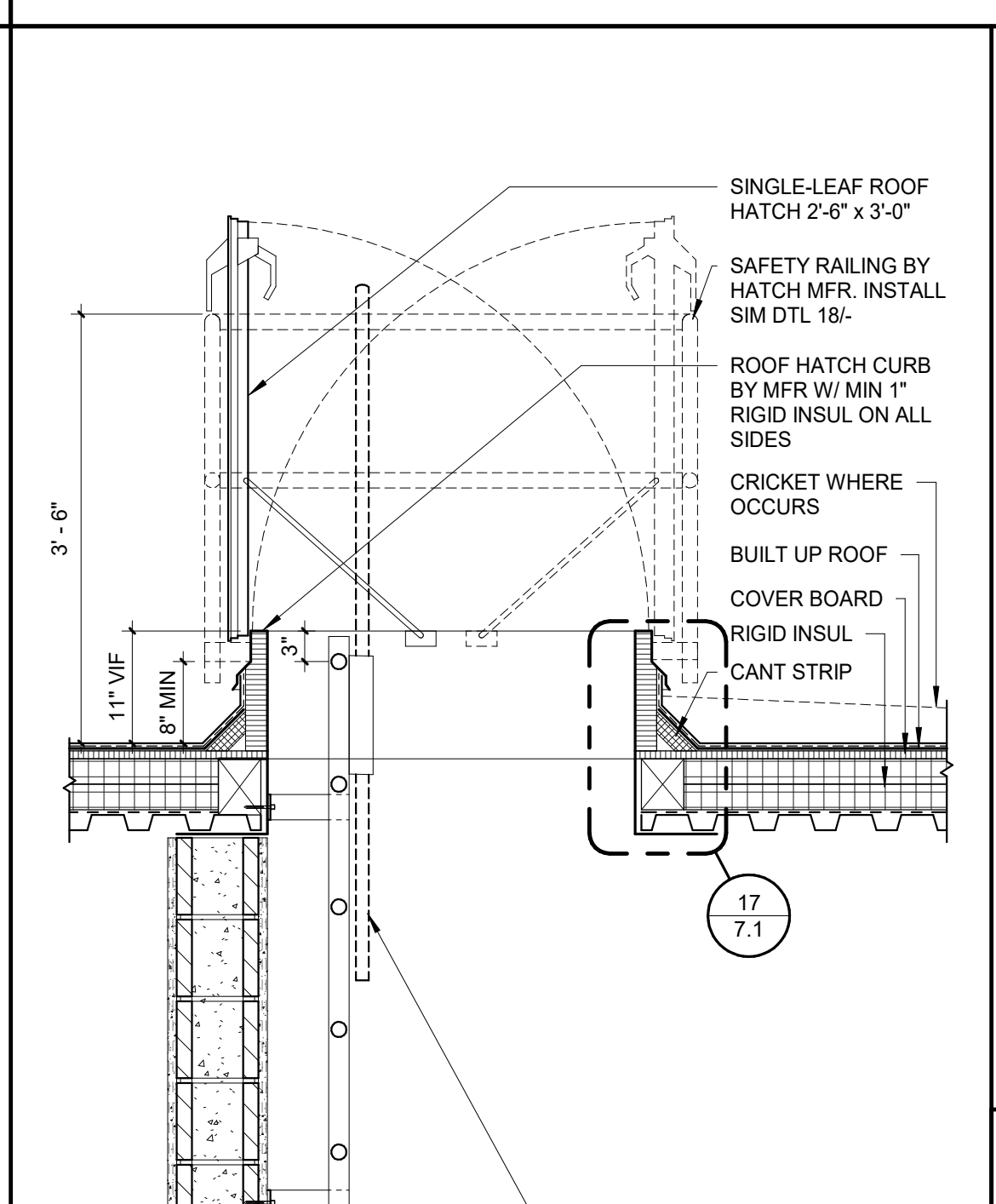
ROOF OVERFLOW/DRAIN CONNECTION 1 1/2" = 1'-0" 10



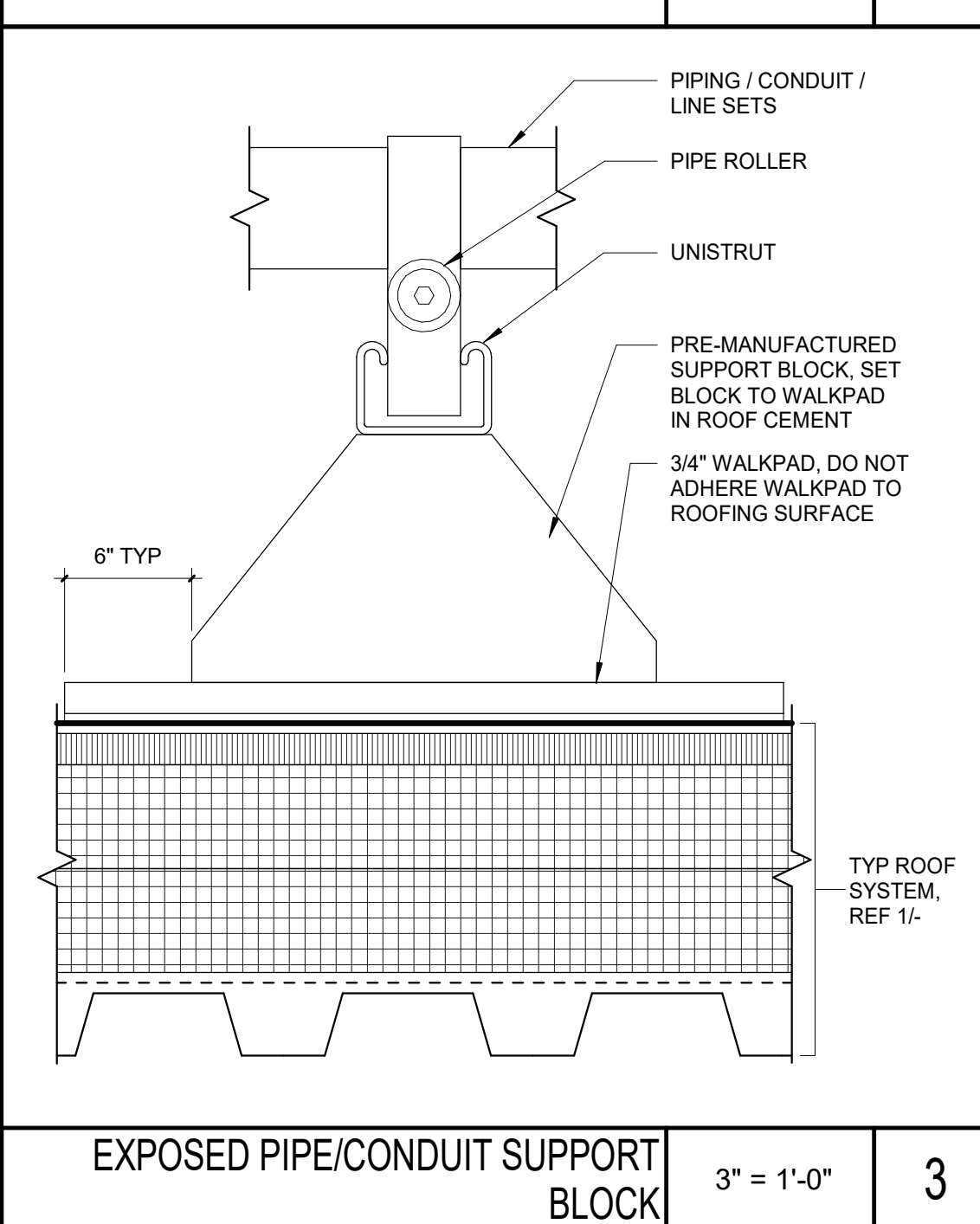
PARAPET SECTION 1 1/2" = 1'-0" 6



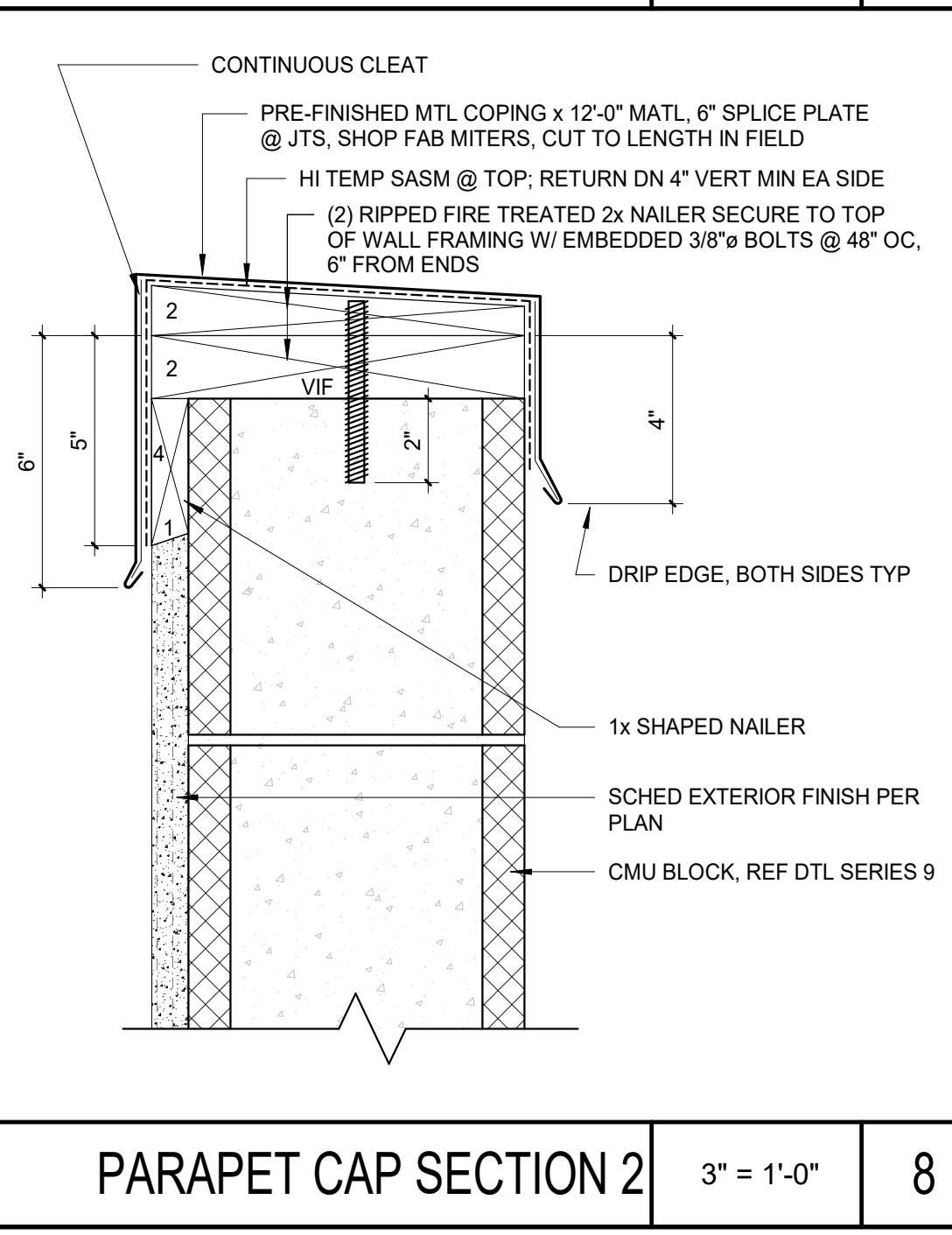
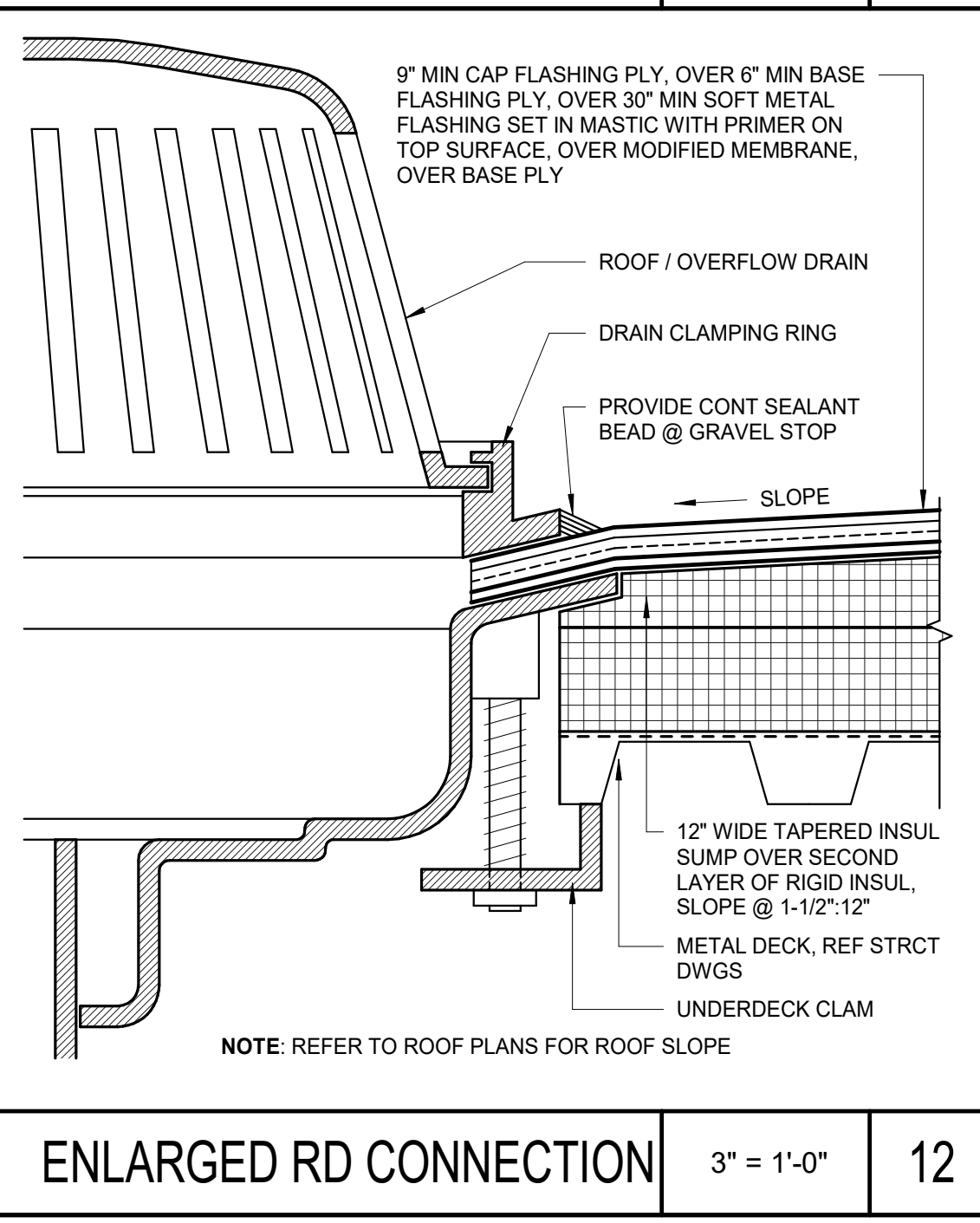
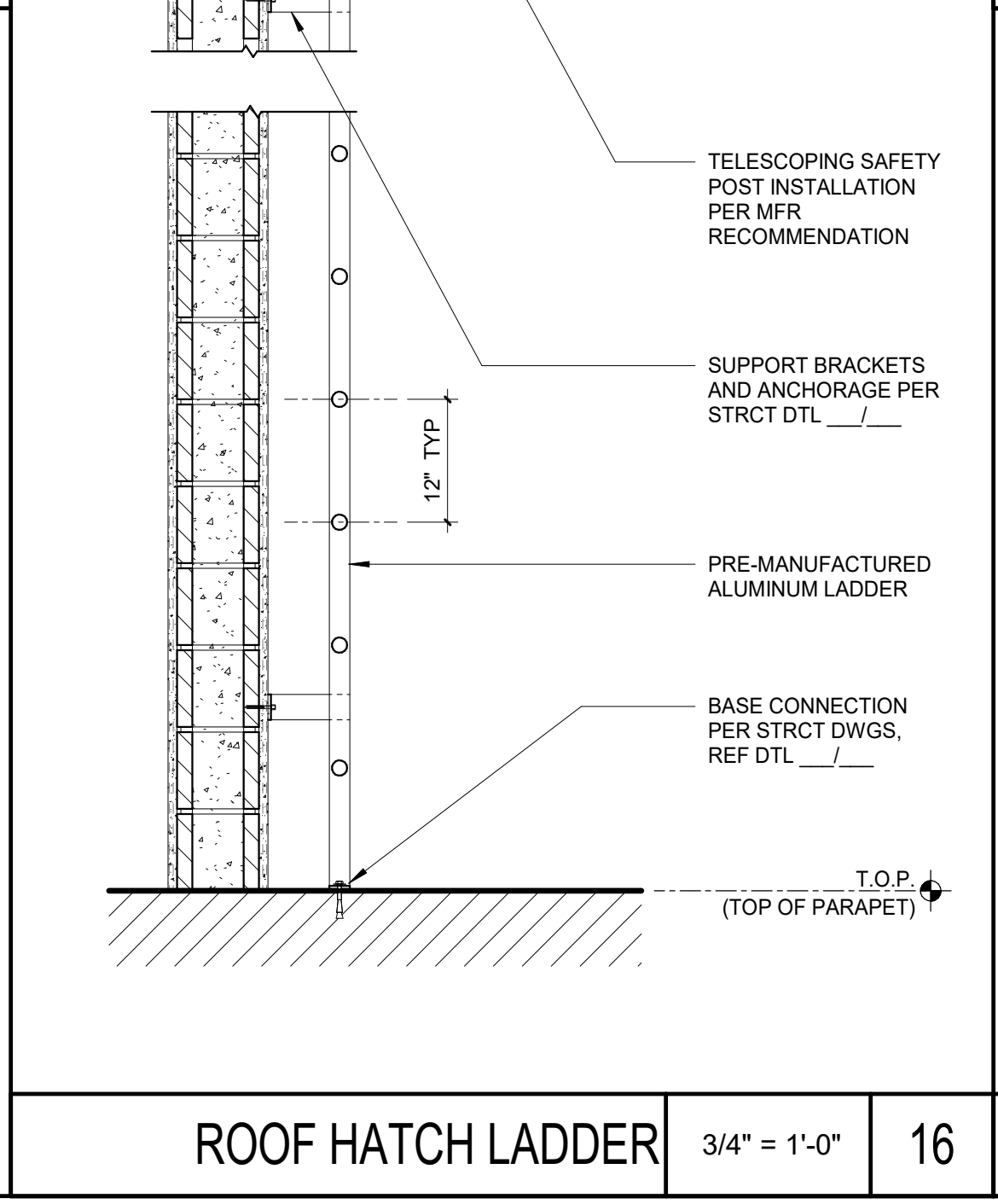
ROUND PENETRATION 3" = 1'-0" 2



PARAPET CAP SECTION 2 3" = 1'-0" 8



EXPOSED PIPE/CONDUIT SUPPORT BLOCK 3" = 1'-0" 3



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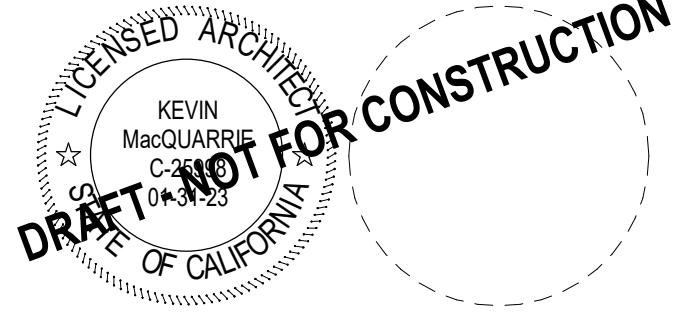
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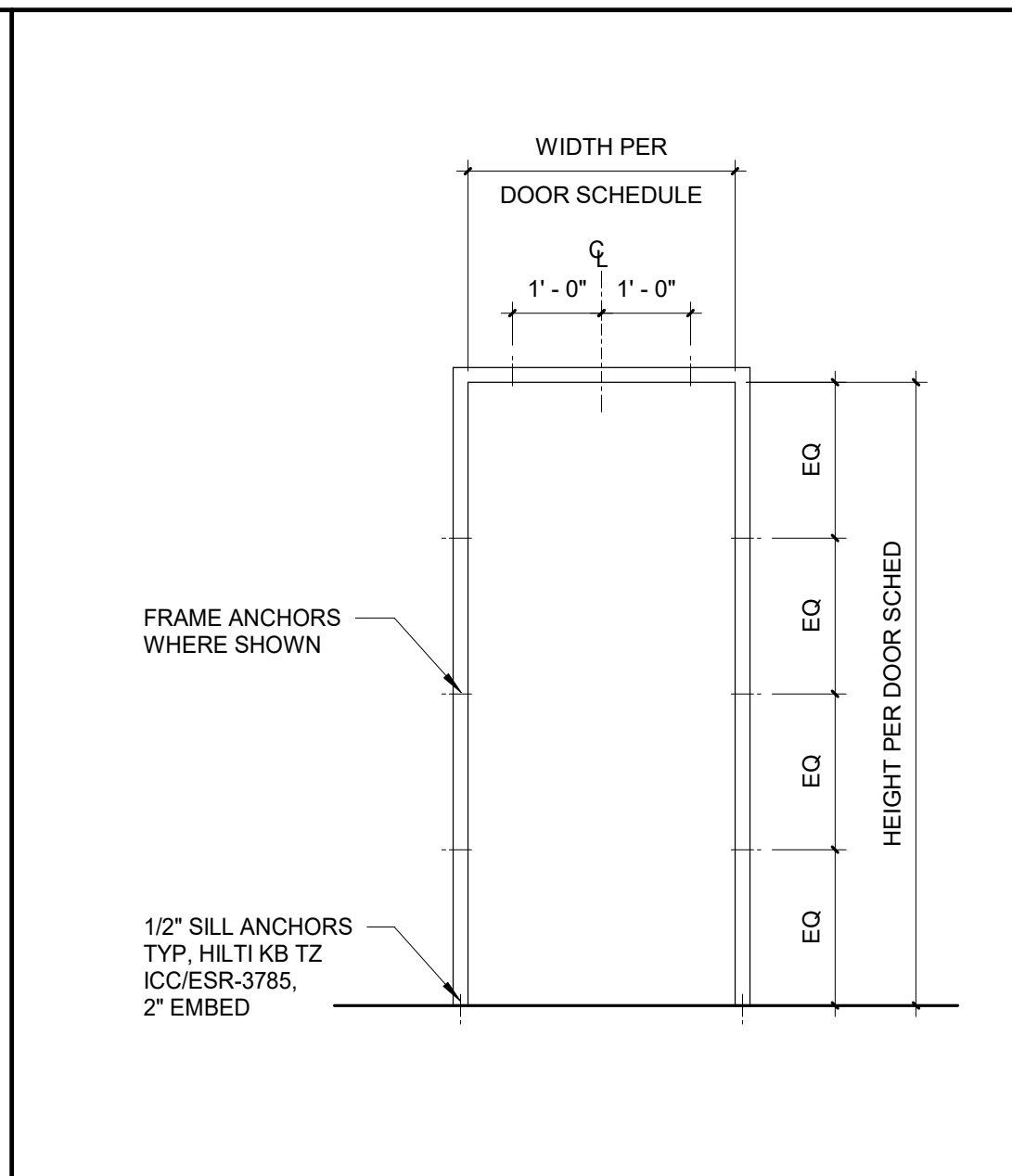
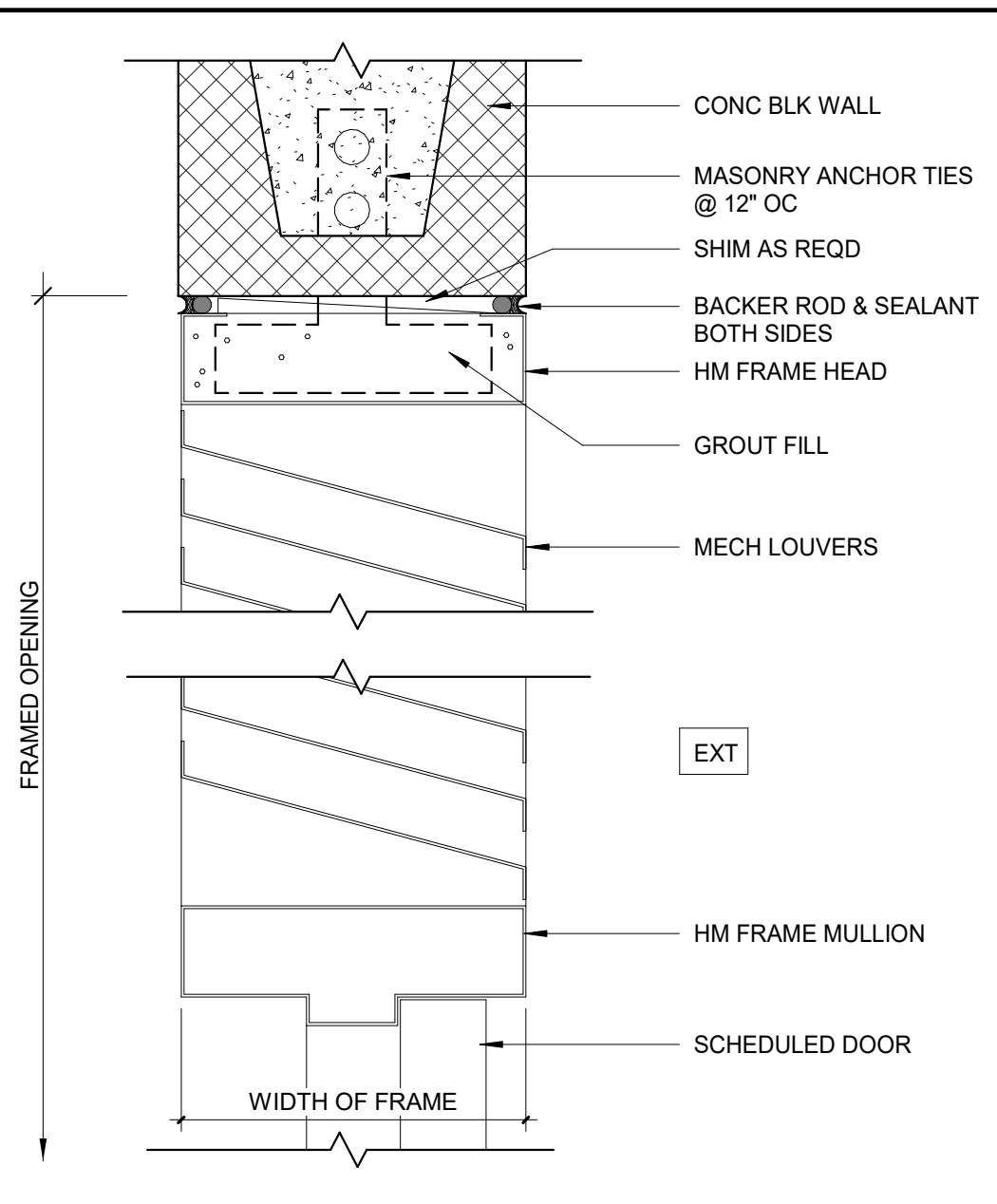
03-15-2021	100% DD SET
04-14-2021	50% CD SET

NO	DATE	BY	DESCRIPTION
REVISIONS			

DRAWN: EV CHECKED: EM
DATE: 03/15/21 SCALE: As indicated
PROJECT NUMBER: 2015800

THERMAL AND MOISTURE PROTECTION

DRAWING NUMBER: **7.1**

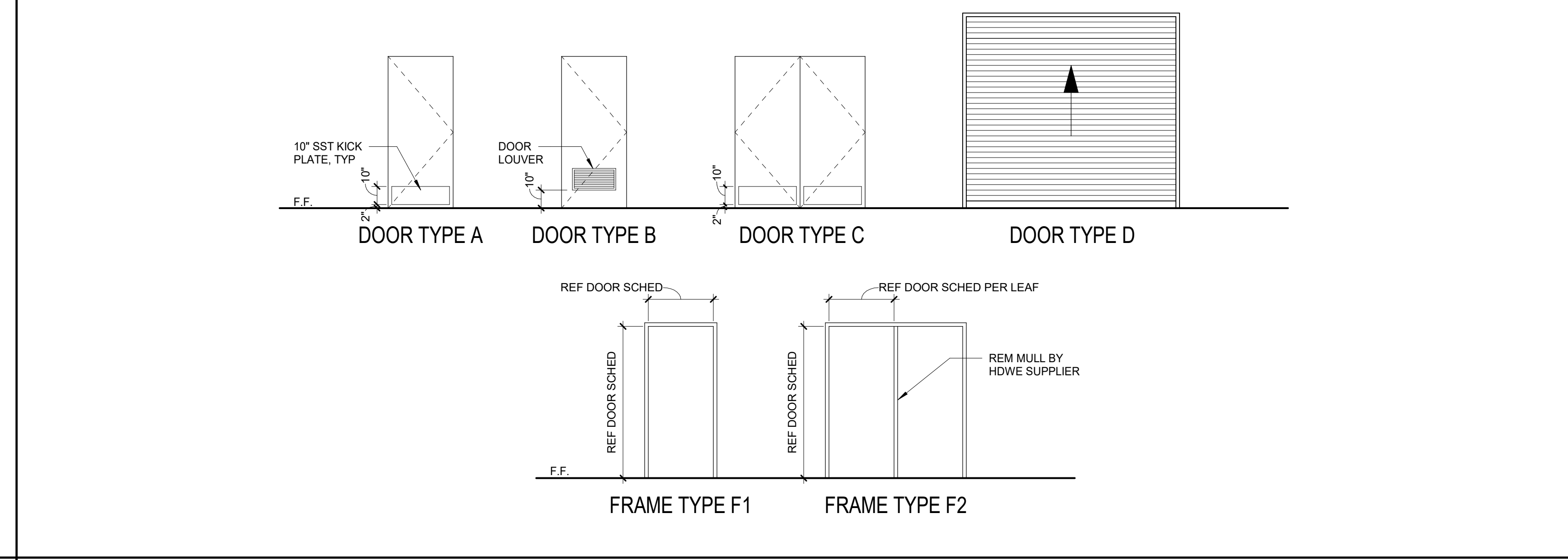
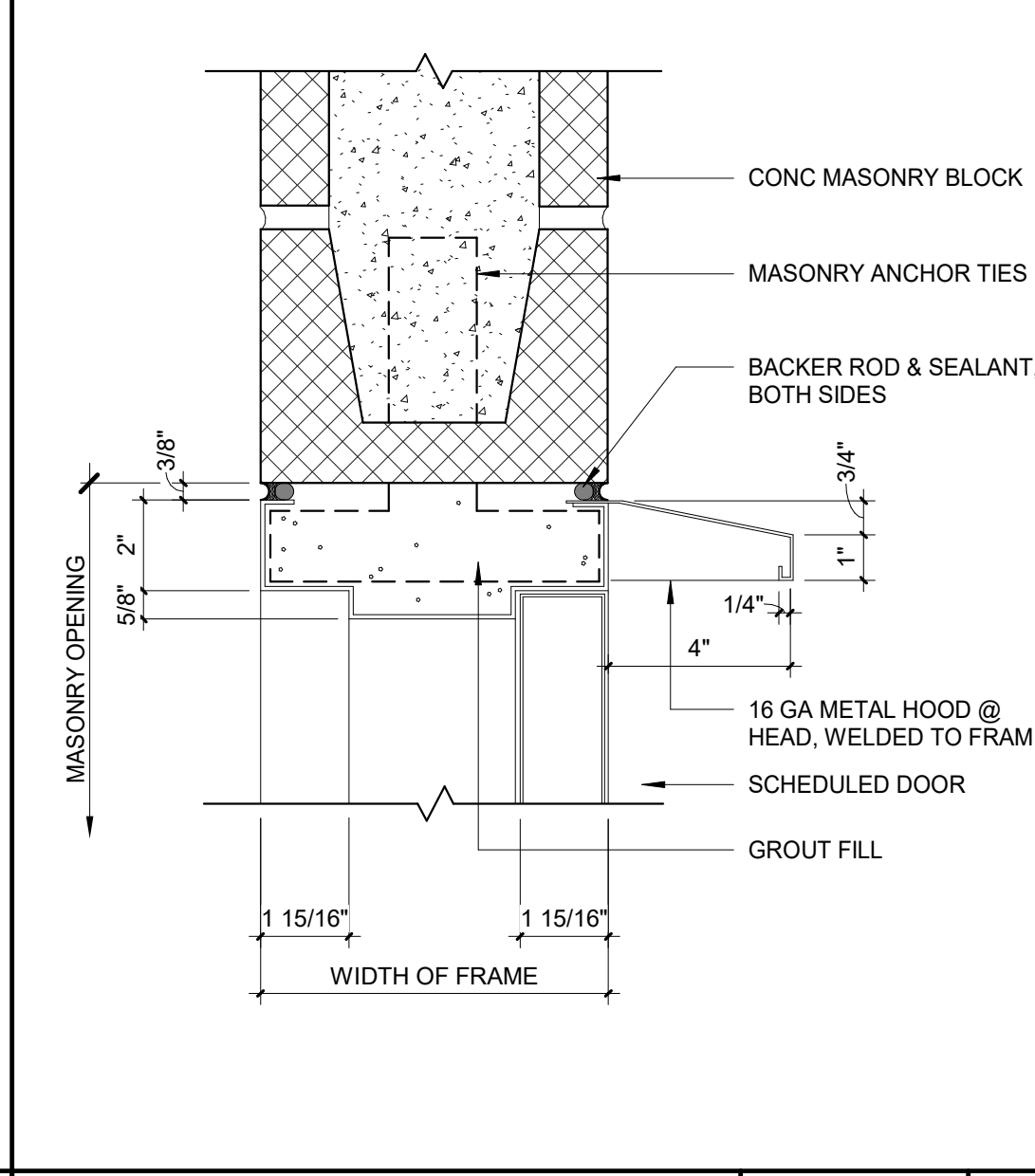
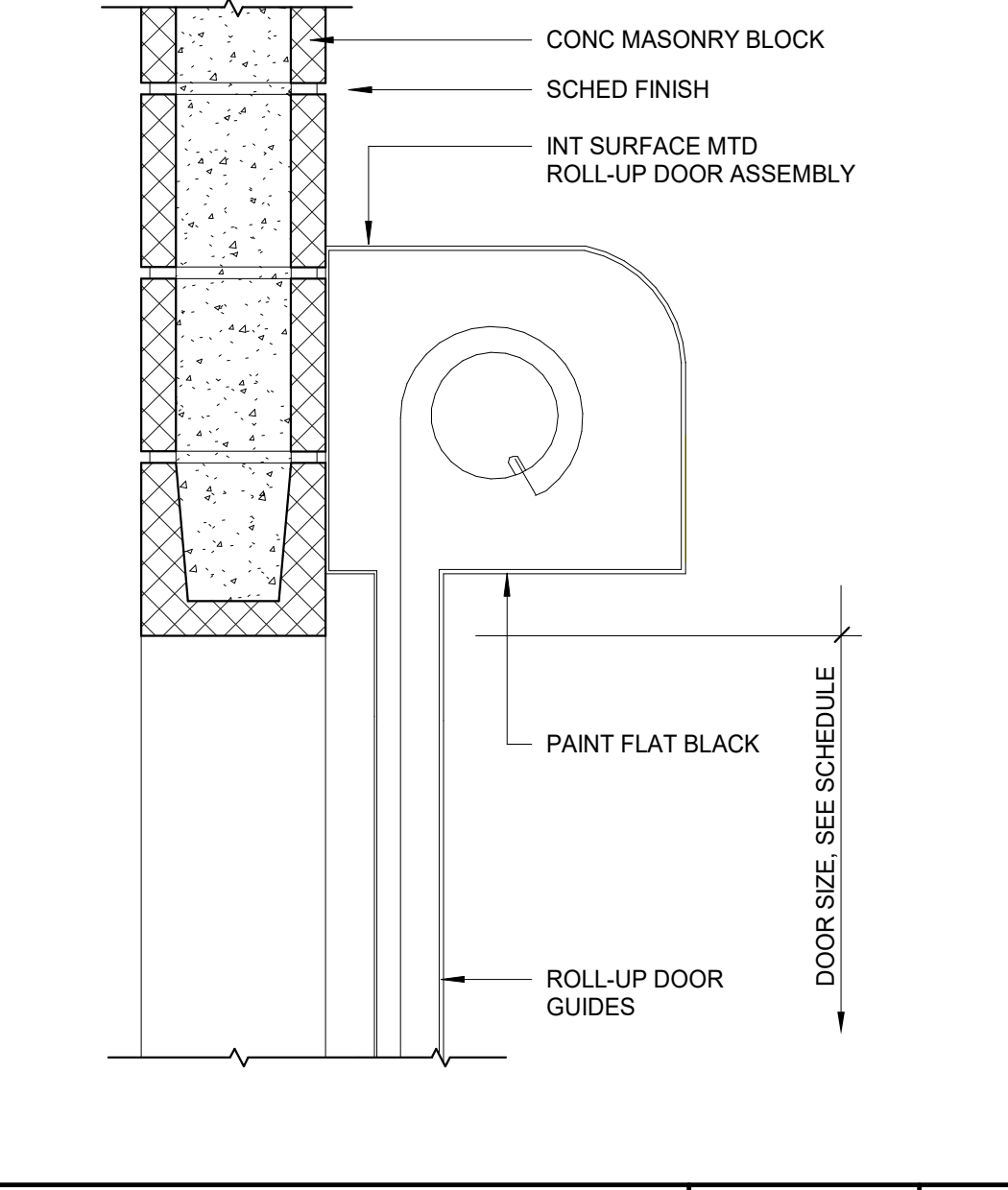


DOOR MARK	SCHEDULE DOOR															FIRE RATING			
	NOMINAL SIZE			DOOR				LOUVER		FRAME						HW GROUP	LABEL	HOUR	REMARKS
	WIDTH PER LEAF	HT	THK	MATERIAL	TYPE	GLASS	DETAIL	W	HT	MATERIAL	TYPE	GLASS	JAMB	HEAD	SILL				
A100A	3'-0"	7'-2"	1 3/4"	HM	A	-	-	2'-0"	1'-0"	HM	F1	-	3/-	5/-	4/-				
A100B	9'-1 1/2"	9'-5 11/32"		MTL	D	-	-	-	-	MTL	-	-	7/-	6/-					
A101A	3'-10"	7'-2"	1 3/4"	HM	A	-	-	-	-	HM	F1	-	3/-	2/-	4/-				
A101B	3'-8"	7'-2"	1 3/4"	HM	C	-	-	-	-	HM	F1	-	3/-	2/-	4/-				
A102A	3'-10"	7'-2"	1 3/4"	HM	A	-	-	-	-	HM	F2	-	3/-	2/-	4/-				

EXTERIOR DOOR HEAD 3" = 1'-0" 5

TYP DOOR ANCHORAGE 1/2" = 1'-0" 1

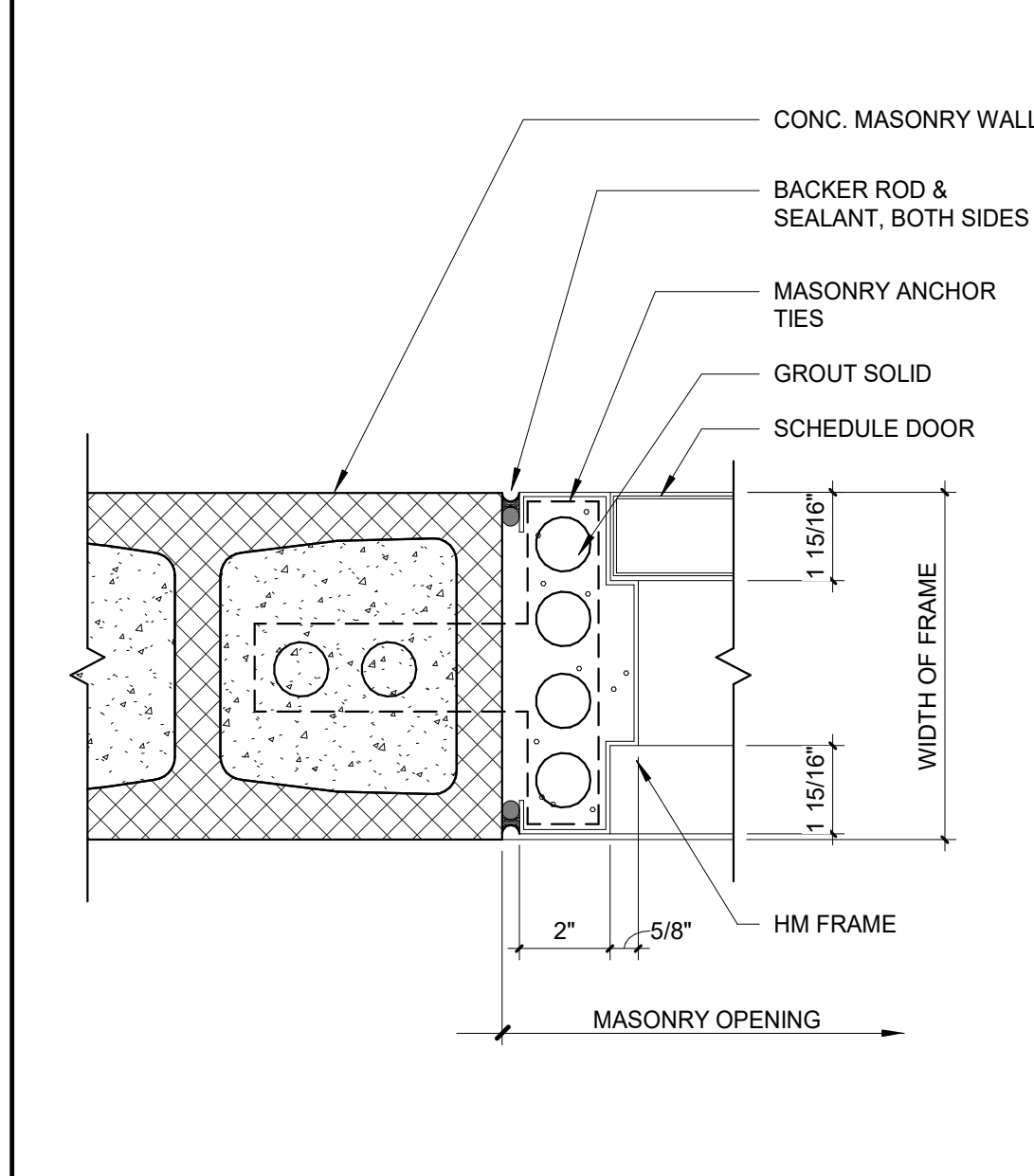
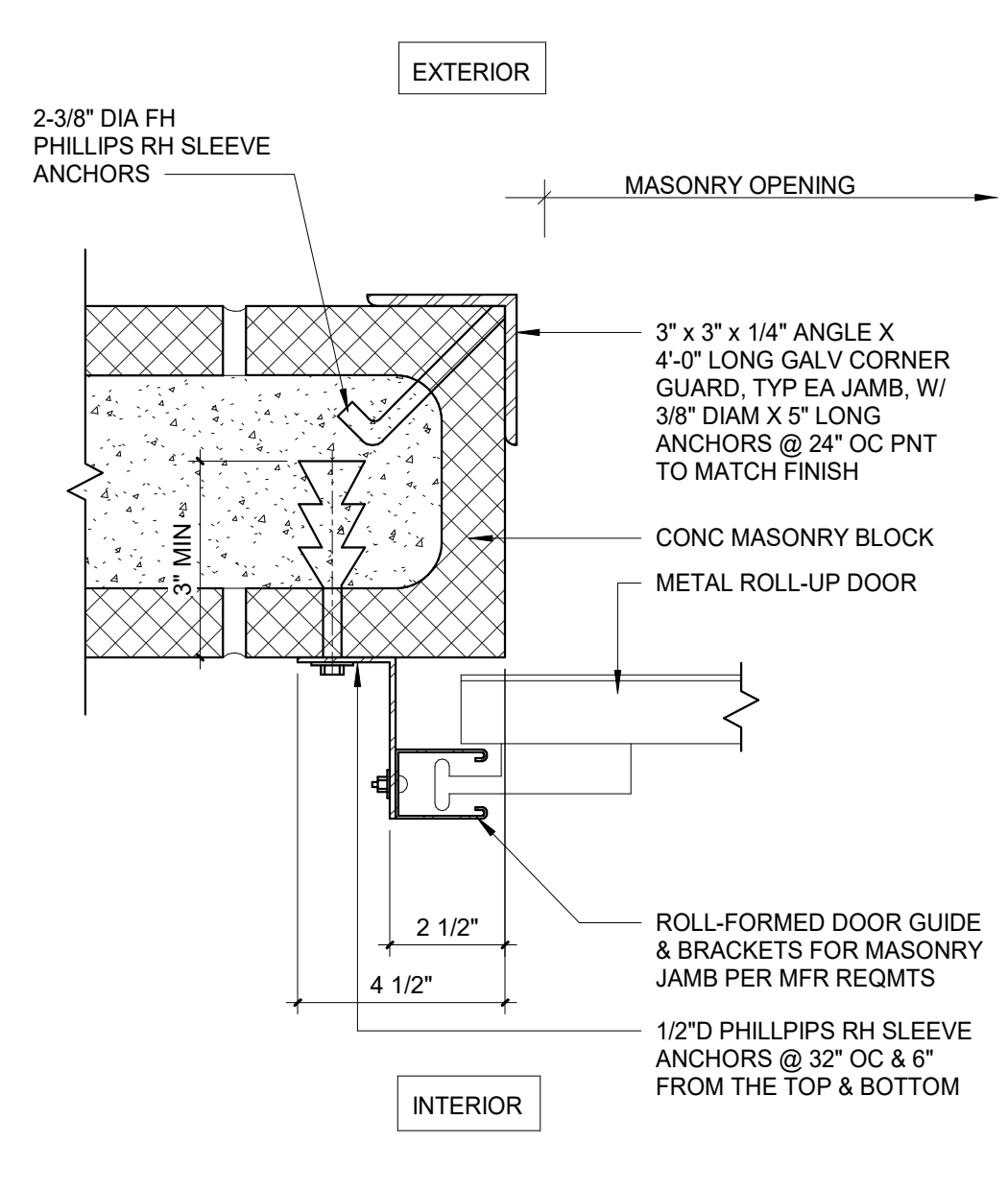
DOOR AND FRAME TYPES



ROLL-UP DOOR HEAD 1 1/2" = 1'-0" 6

EXTERIOR DOOR HEAD 3" = 1'-0" 2

DOOR AND FRAME COLUMN REFERENCE GUIDE

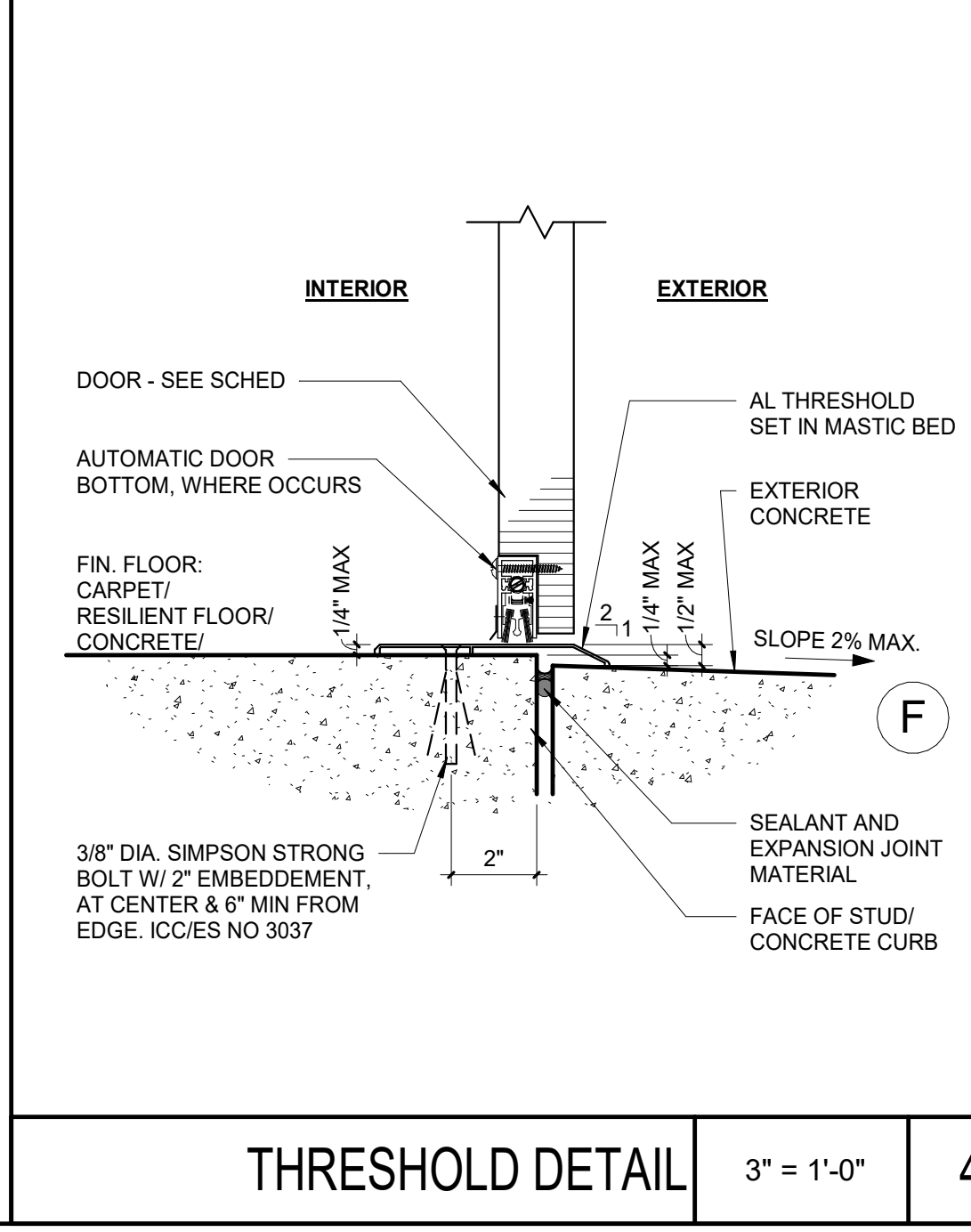


- DOOR MARK: SPECIFIC NUMBER ASSIGNED TO INDIVIDUAL DOOR.
- NOMINAL DOOR SIZE: DESIGNATES NOMINAL WIDTH AND HEIGHT OF DOOR IN FEET AND INCHES. DOOR WIDTH IS GIVEN PER LEAF. REFER TO FLOOR PLAN FOR PAIRS OF DOORS. THICKNESS OF DOOR IS GIVEN IN INCHES.
- DOOR MATERIAL: INDICATES MATERIAL FROM WHICH DOOR IS CONSTRUCTED I.E., HM-HOLLOW METAL, WD-WOOD, AL-ALUMINUM, TG - TEMPERED GLASS, LAM - LAMINATED GLASS, ETC.
- DOOR TYPE: ALPHANUMERICAL DESIGNATION OF DOOR TYPE AS SHOWN IN ELEVATION. DESIGNATIONS ARE DERIVED FROM THOSE IDENTIFIED BY THE STEEL DOOR INSTITUTE PUBLICATION SDI-106 I.E., F-FLUSH DOOR, HG-HALF GLASS DOOR, FG-FULL GLASS DOOR, NV- NARROW VISION LITE DOOR, ETC. REFER TO DOOR TYPE.
- DOOR GLASS: DESIGNATES TYPE OF GLASS TO BE USED IN DOOR, I.E., G1-G6; REF GLASS ABBREVIATIONS.
- DOOR DETAIL: REFERENCE NUMBER FOR DOOR CONSTRUCTION DETAIL SUCH AS DUTCH DOOR, SHELF, TRANSOM PANEL, ETC.
- DOOR LOUVER: INDICATES WIDTH AND HEIGHT OF LOUVER REQUIRED IN DOOR. LOUVER SIZE IS GIVEN IN FEET AND INCHES.
- FRAME MATERIAL: INDICATES MATERIAL FROM WHICH FRAME IS CONSTRUCTED, I.E., HM-HOLLOW METAL, WD-WOOD, AL-ALUMINUM, SST - STAINLESS STEEL, ETC.
- FRAME TYPE: NUMERICAL DESIGNATION OF FRAME TYPE AS SHOWN IN FRAME TYPE ELEVATION.
- FRAME GLASS: DESIGNATES TYPE OF GLASS TO BE USED IN FRAME, I.E., G1-G6; REF GLASS ABBREVIATIONS.
- FRAME DETAILS: REFERENCE NUMBERS FOR FRAME SECTIONS AS CONDITIONS EXIST AT THE WALLS OR JAMBS OF DOORS WITH ANY UNUSUAL DETAILS REFERENCED UNDER SEPARATE HEADING "OTHER".
- HARDWARE GROUP: NUMERICAL DESIGNATION OF HARDWARE GROUPING TO BE APPLIED TO DOOR. REFER TO SPECIFICATIONS FOR DESCRIPTION OF HARDWARE CONTAINED WITHIN GROUPING.
- DOOR AND FRAME FIRE RATING: DESIGNATES ALPHABETICAL FIRE RESISTANCE RATING CLASSIFICATION LABEL REQUIRED FOR DOOR AND FRAME WITH TIME PERIOD REQUIRED IN HOURS.
- REMARKS: DESIGNATES OR REFERENCES SPECIAL, UNUSUAL OR ABSTRACT CONDITIONS WHICH EXIST AND ARE NOT COVERED IN SCHEDULE ITEMS 1 THRU 14. REFER TO REMARKS REFERENCE SCHEDULE FOR NUMERICAL DESIGNATION.

ROLL-UP DOOR JAMB 3" = 1'-0" 7

TYP DOOR JAMB 3" = 1'-0" 3

GENERAL NOTES, ABBREVIATIONS, REMARKS REFERENCE SCHEDULE, & SIGNAGE NOTES



GENERAL NOTES:

- ALL EXIT DOORS SHALL BE OPENABLE FROM INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE BY USE OF PANIC HARDWARE PER HARDWARE SCHEDULE.
- REFER TO FLOOR PLANS FOR PAIRS OF DOORS AND DIRECTION OF SWING.
- ALL RATED DOORS ARE TO BE POSITIVE LATCHING AND SELF-CLOSING.
- FIRE-RATED DOOR FRAMES SHALL BE INSTALLED STRICTLY PER MANUFACTURER'S PRINTED INSTRUCTIONS. MANUFACTURER'S PRINTED INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES.
- VERIFY SPECIFIC THRESHOLD CONDITION WITH FINISH SCHED.
- COILING THERMAL DOOR/HAND CHAIN OPERATED WINDOWLOCKS.
- REFER TO DOOR AND FRAME TYPES ABOVE FOR TYP DOOR FRAME.
- VERIFY ALL STUD OPENINGS PRIOR TO FABRICATION OF FRAMES.
- DOOR FRAME TO BE ANCHORED TO STUD OPENING, REF 1/8.2
- KICK PLATES TO BE INSTALLED ON PUSH SIDE OF DOORS. SEE HARDWARE SPECS.
- WEATHERSTRIP ALL EXTERIOR DOORS.
- FOR HARDWARE GROUPING, SEE SPEC 08 71.00.
- ALL SIGNAGE SHALL COMPLY WITH TITLE 24 AND CBC 11B-7.3.
- THE MAXIMUM FORCE REQUIRED TO PUSH OR PULL OPEN A DOOR SHALL BE NO MORE THAN 5 LBS FOR INTERIOR AND EXTERIOR DOORS (15 LBS FOR FIRE DOORS).
- ALL WD OR HM DOORS & FRAMES TO BE PAINTED PER SPEC SECTION 09 90.00.
- AL DOORS TO HAVE ARCHITECT / OWNER'S APPROVED PRE-FABRICATED MFR FINISH. REF TO MFR STANDARD COLOR CHARTS.
- PER CBC, SECTION 1010.1.11, ALL CLASSROOMS SHALL BE LOCKABLE FROM INSIDE. REF SPEC SECTION 08 71.00 FOR HARDWARE TYPE.
- DOOR HARDWARE 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 LBS. MAXIMUM (11B-309.4).

MATERIAL ABBREVIATIONS:

AG - ACOUSTICAL DOOR GASKET
AL - ALUMINUM
HM - HOLLOW METAL
MT - METAL
P - PAINTED
PF - PREFINISHED
SST - STAINLESS STEEL
WD - SOLID CORE WOOD DOOR

GLASS ABBREVIATIONS:

G1 - TEMPERED GLASS, CLEAR
G2 - TEMPERED GLASS, TINTED
G3 - FIRE RESISTIVE GLAZING
G4 - FIRE RESISTIVE SAFETY GLAZING
G5 - SEALED INSULATED GLASS UNIT
G6 - LAMINATED GLASS, TINTED
G7 - TEMPERED GLASS, TRANSLUCENT

SIGNAGE NOTES:

REFER TO THE FOLLOWING DETAILS FOR LOCATION OF ALL INTERIOR IDENTIFYING DEVICES (SIGNAGE):

- SIGNAGE SCHEDULE SHEET 10.1
- SIGNAGE MOUNTING DETAIL 16/10.1
- ROOM CAPACITY SIGN 20/10.1

PROVIDE AND INSTALL ROOM CONTROL SIGNAGE, TACTILE EXIT SIGNAGE AND PICTORIAL SYMBOL SIGNAGE AS INDICATED ON SIGNAGE SCHEDULE SHEET 10.1

PROVIDE AND INSTALL ENTRANCE AND RESTROOM SIGNAGE AS AS INDICATED ON SIGNAGE SCHEDULE SHEET 10.1 FOR EACH RESTROOM AND ENTRANCE

TACTILE EXIT SIGN - ONLY REQUIRED WHERE OCC LOAD IS >= 50 OR AN ILLUMINATED SIGN IS PRESENT. SEE SIGNAGE SCHED SHEET 10.1

ROOM CONTROL SIGN - SEE SIGNAGE SCHED 10/10.1

REVISIONS:

NO	DATE	BY	DESCRIPTION

REVISIONS:

NO	DATE	BY	DESCRIPTION

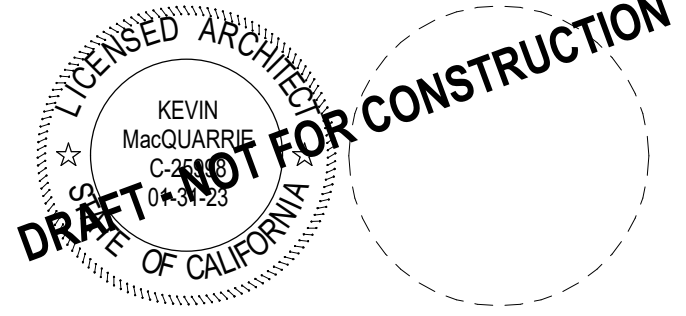
DRAWN: EV **CHECKED:** EM
DATE: 03/15/21 **SCALE:** As indicated
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THRESHOLD DETAIL 3" = 1'-0" 4

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CONSULTANT

DATE	DESCRIPTION
03-15-2021	100% DD SET
04-14-2021	50% CD SET

NO **DATE** **BY** **DESCRIPTION**

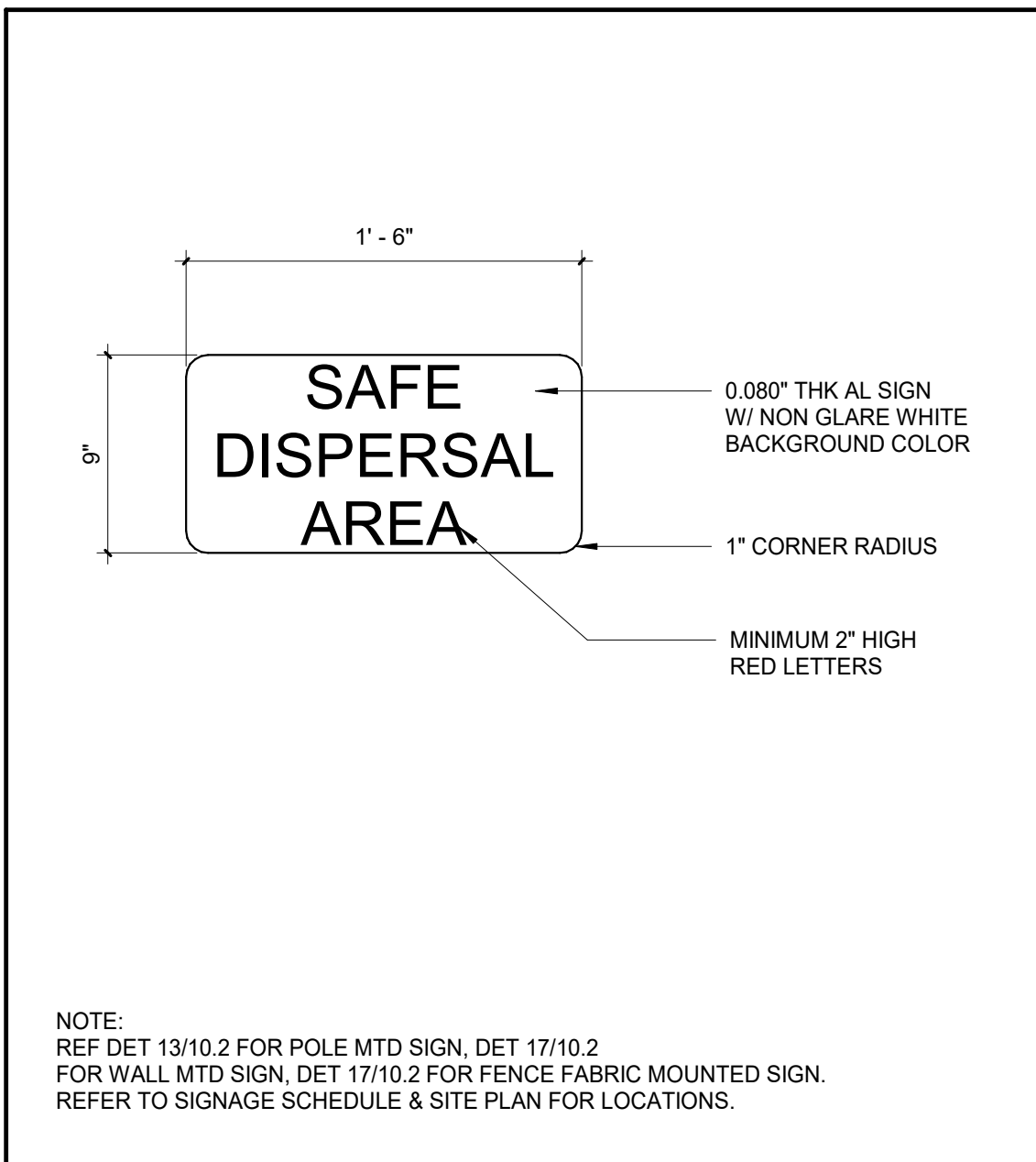
REVISIONS

NO	DATE	BY	DESCRIPTION

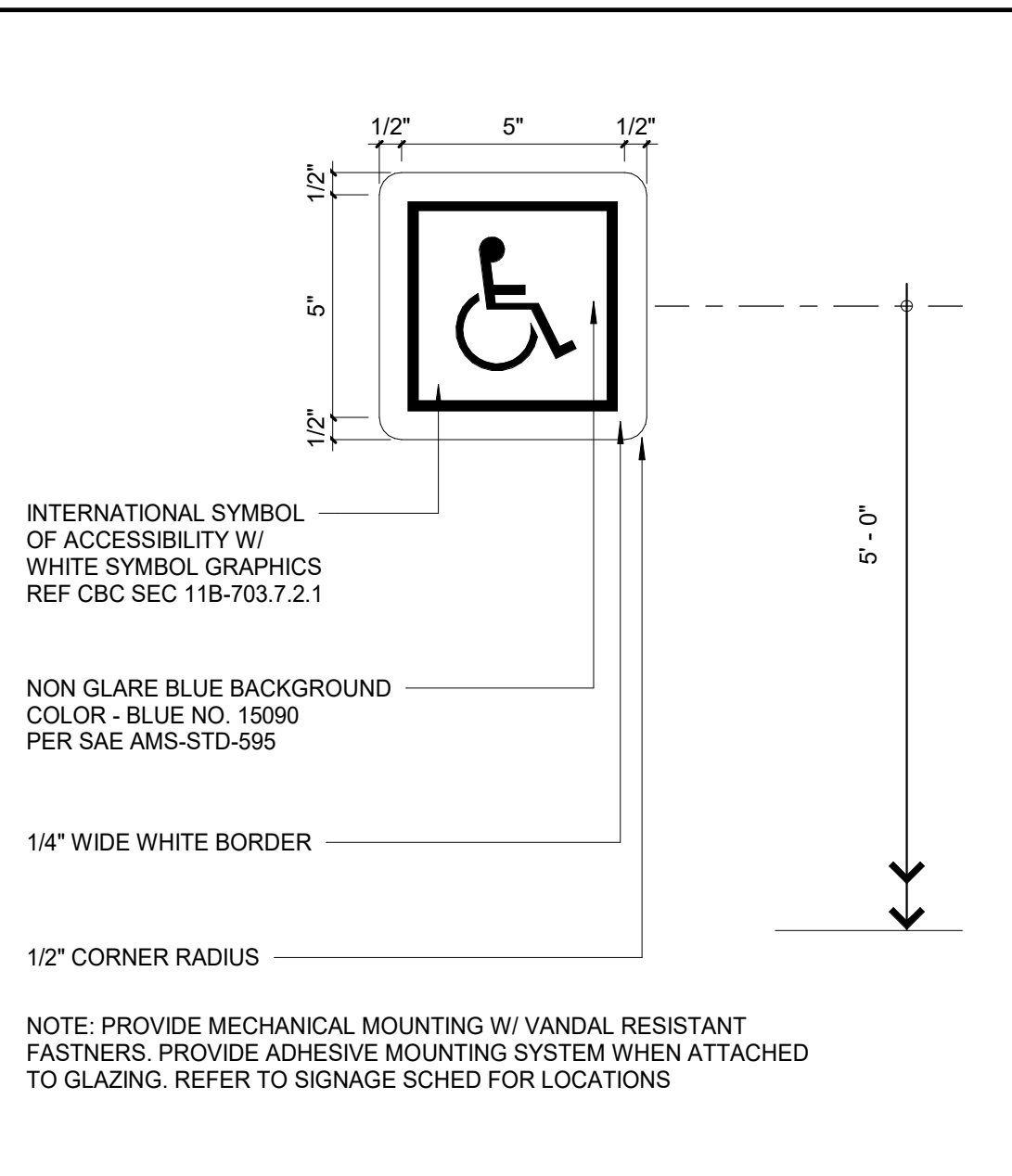
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DATE: 03/15/21 **SCALE:** As indicated
PROJECT NUMBER: 2015800

DOOR AND FRAME SCHEDULE, DOOR DETAILS

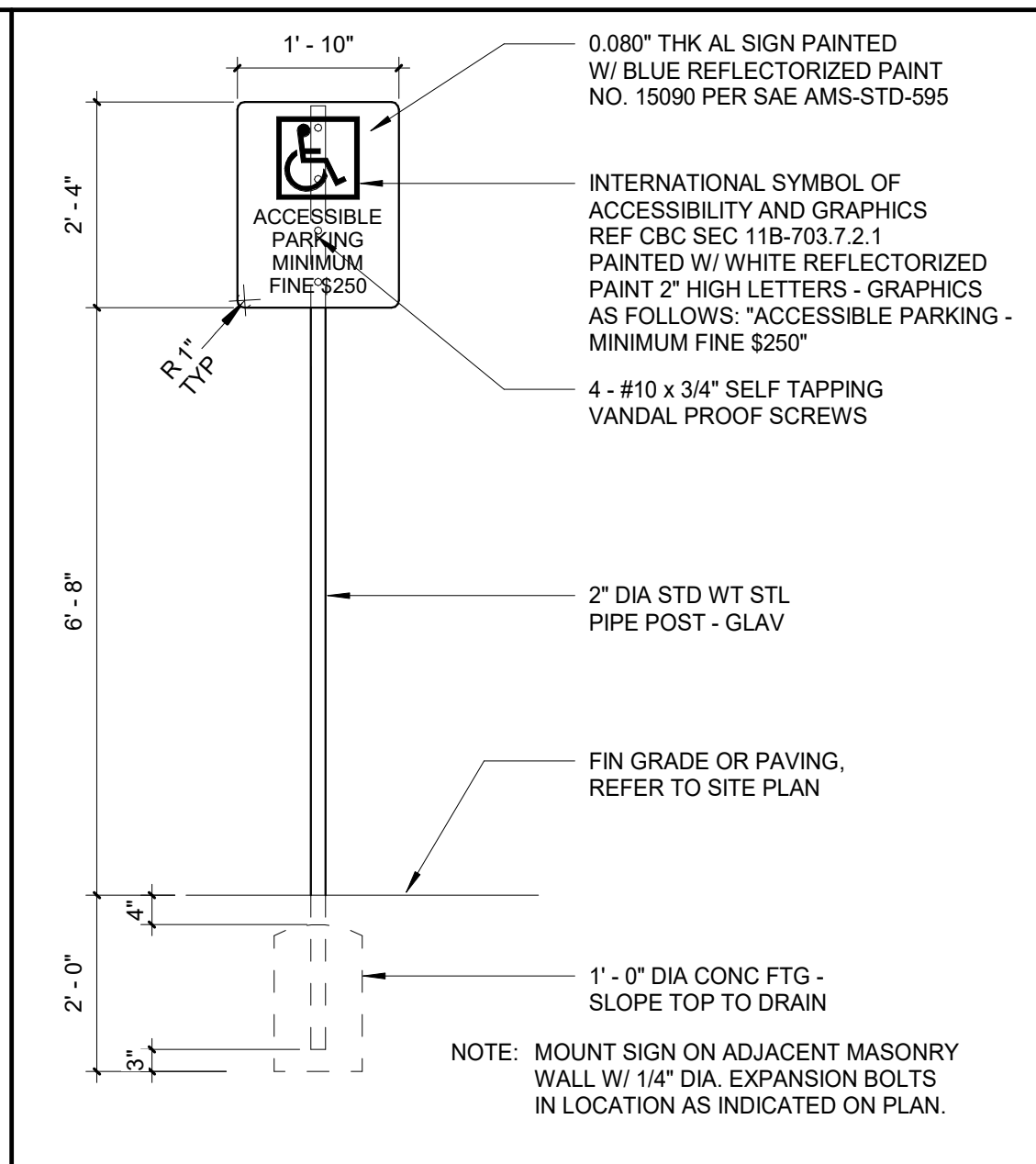
DRAWING NUMBER: 8.1



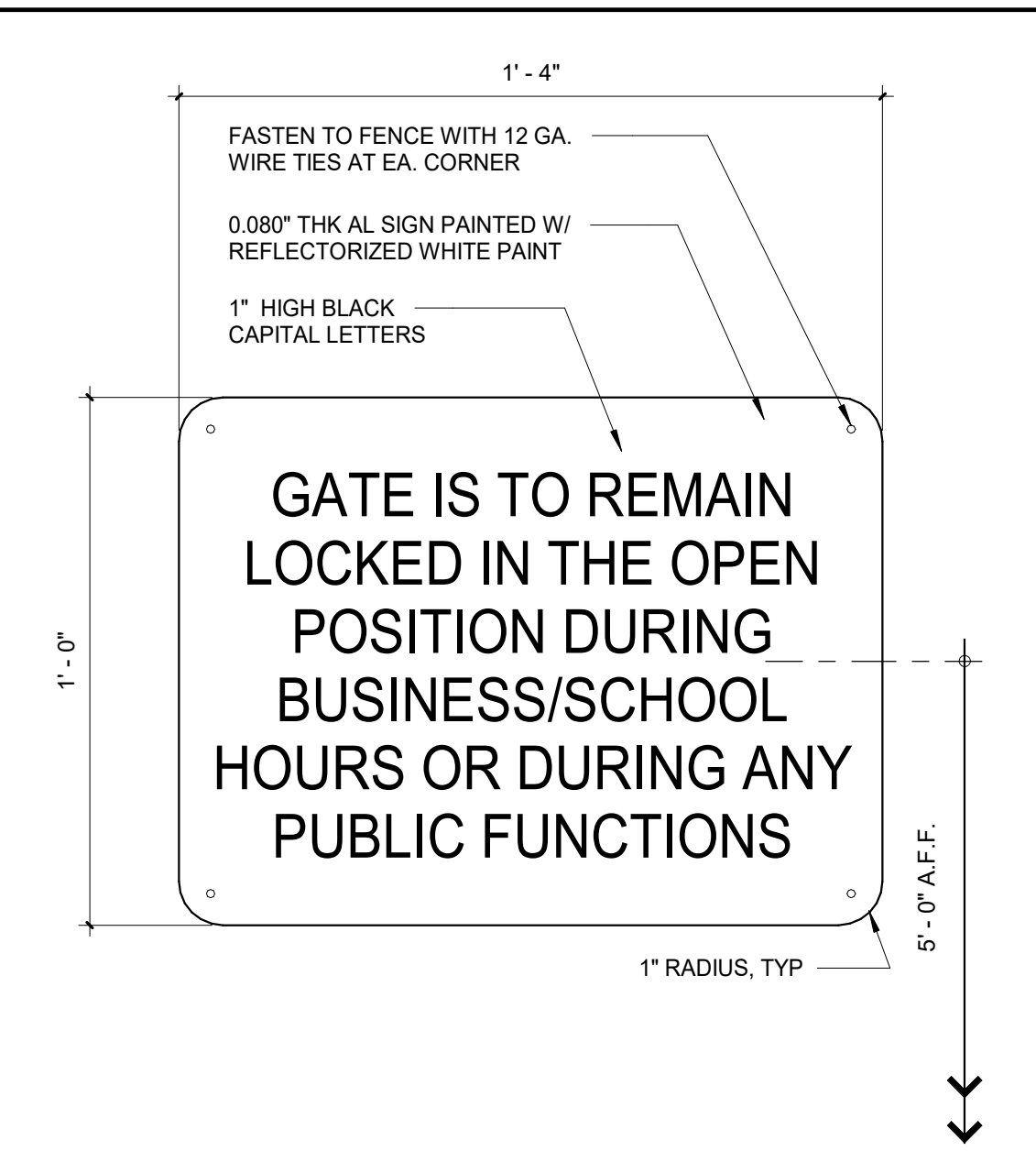
SAFE DISPERSAL SIGN 1 1/2" = 1'-0" 21



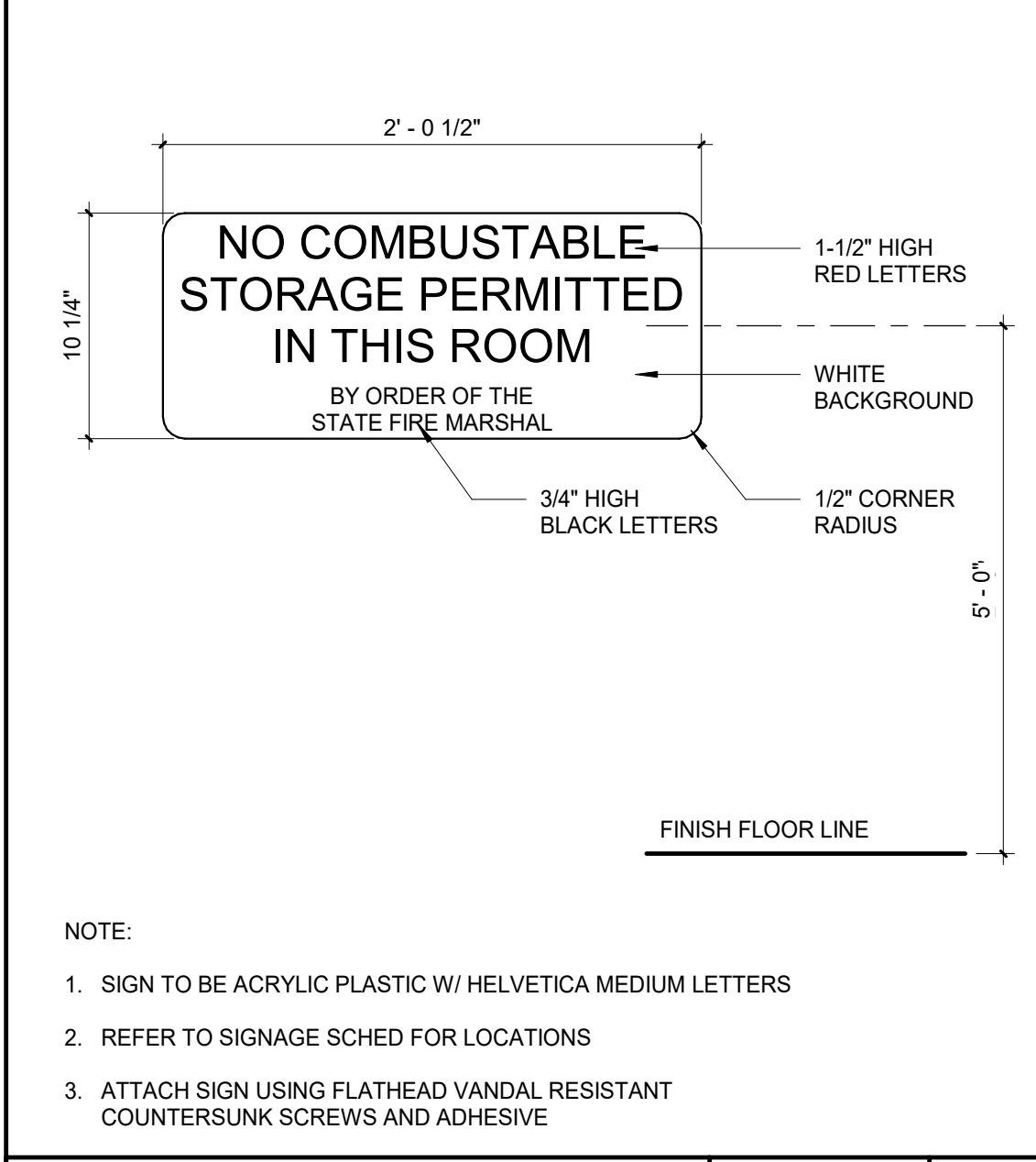
ACCESSIBLE ENTRY SIGN 3" = 1'-0" 17



PARKING SIGN 1/2" = 1'-0" 13



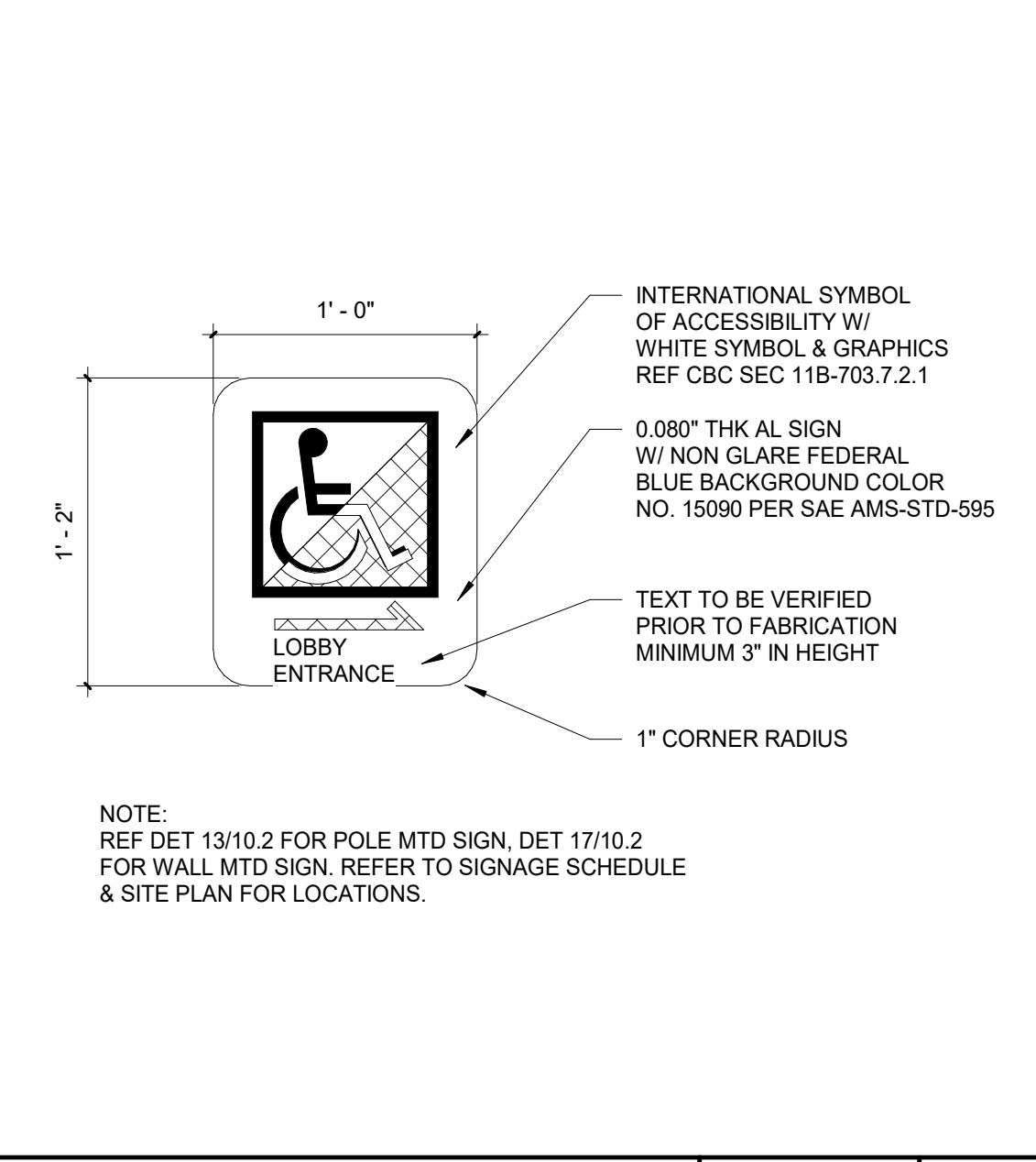
GATE ACCESS SIGNAGE 3" = 1'-0" 9



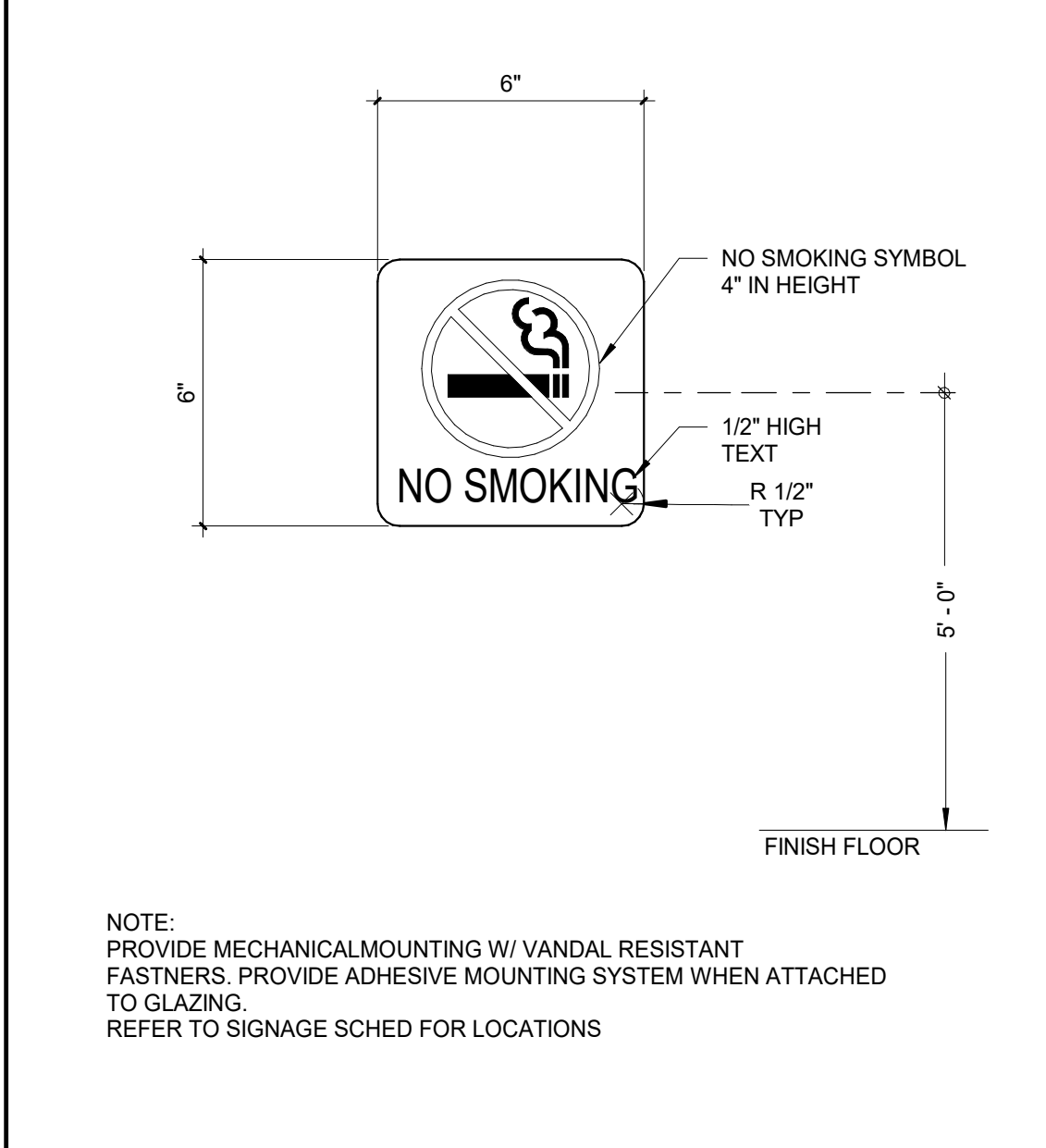
STORAGE SIGN 1 1/2" = 1'-0" 22



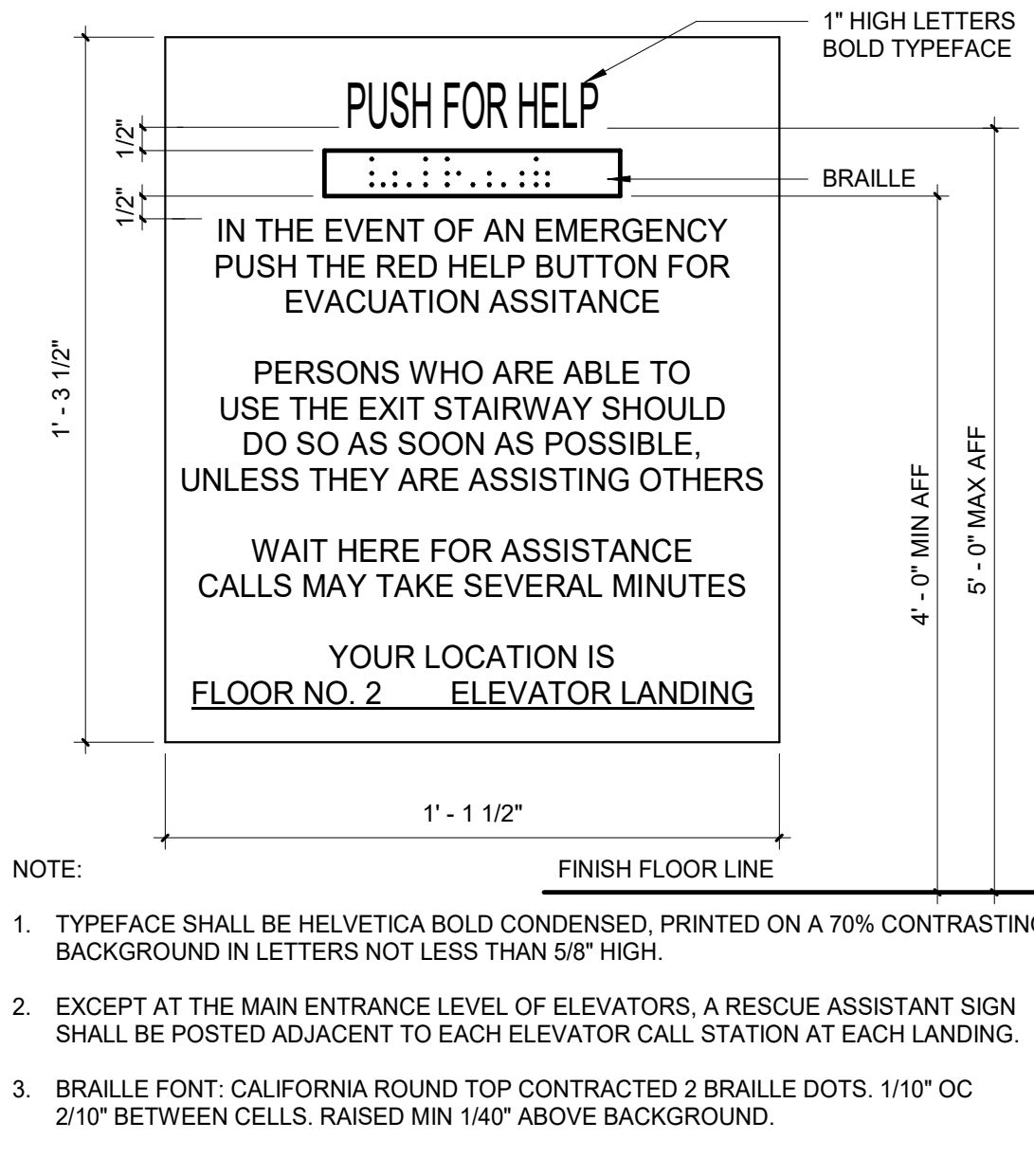
PARKING SIGN 1/2" = 1'-0" 14



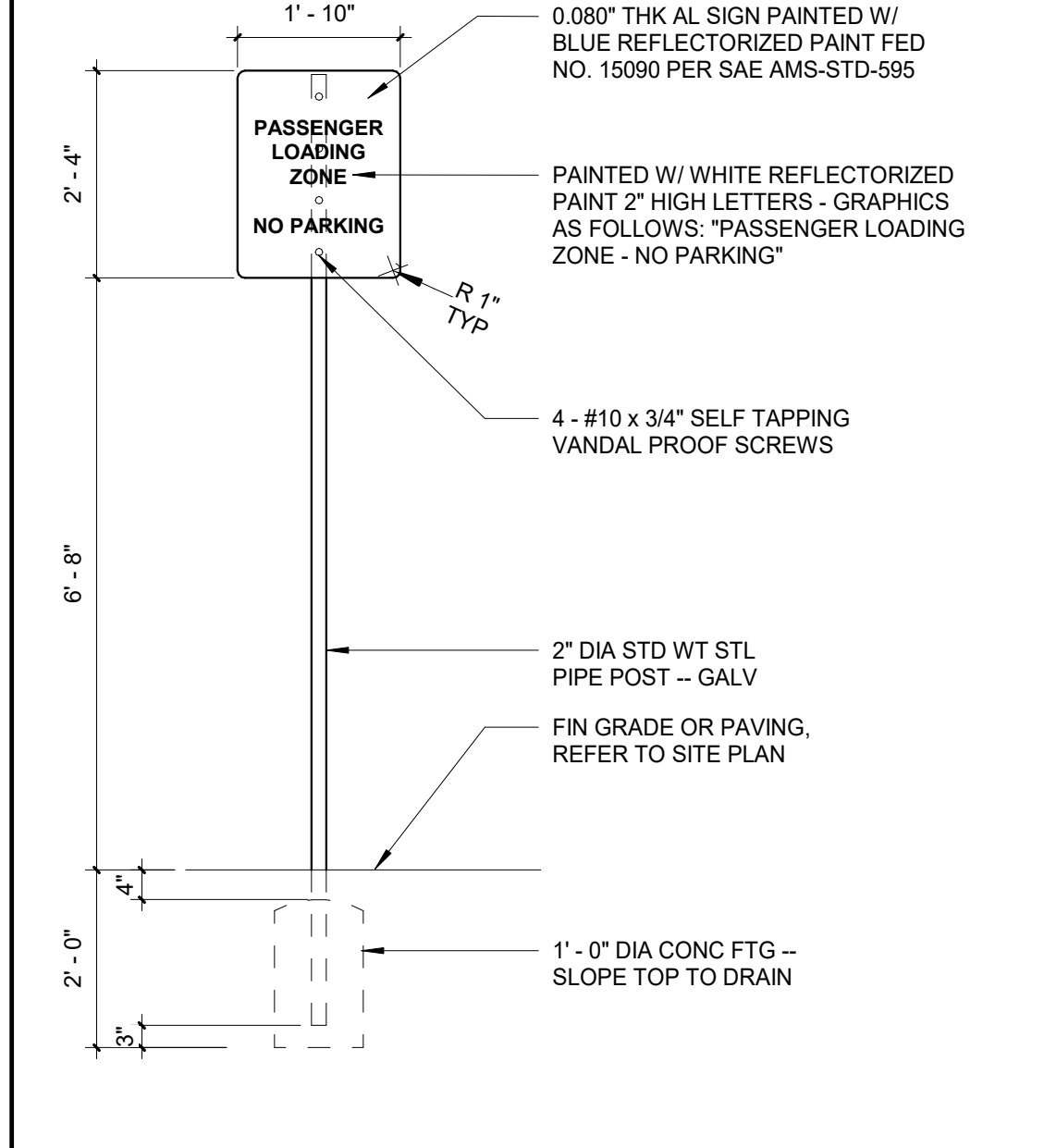
DIRECTIONAL ACCESS SIGN 1 1/2" = 1'-0" 10



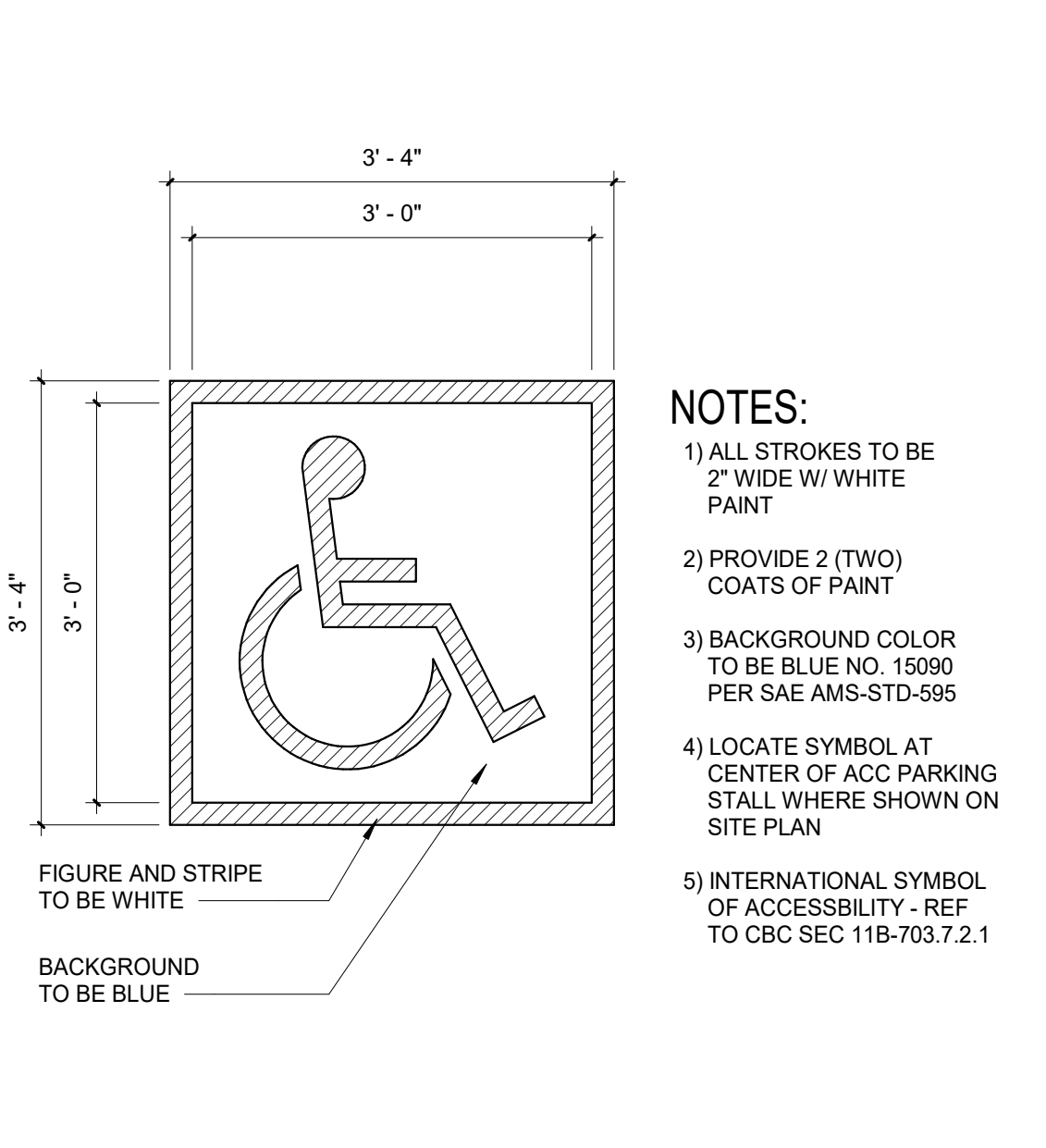
NO SMOKING SYMBOL 3" = 1'-0" 23



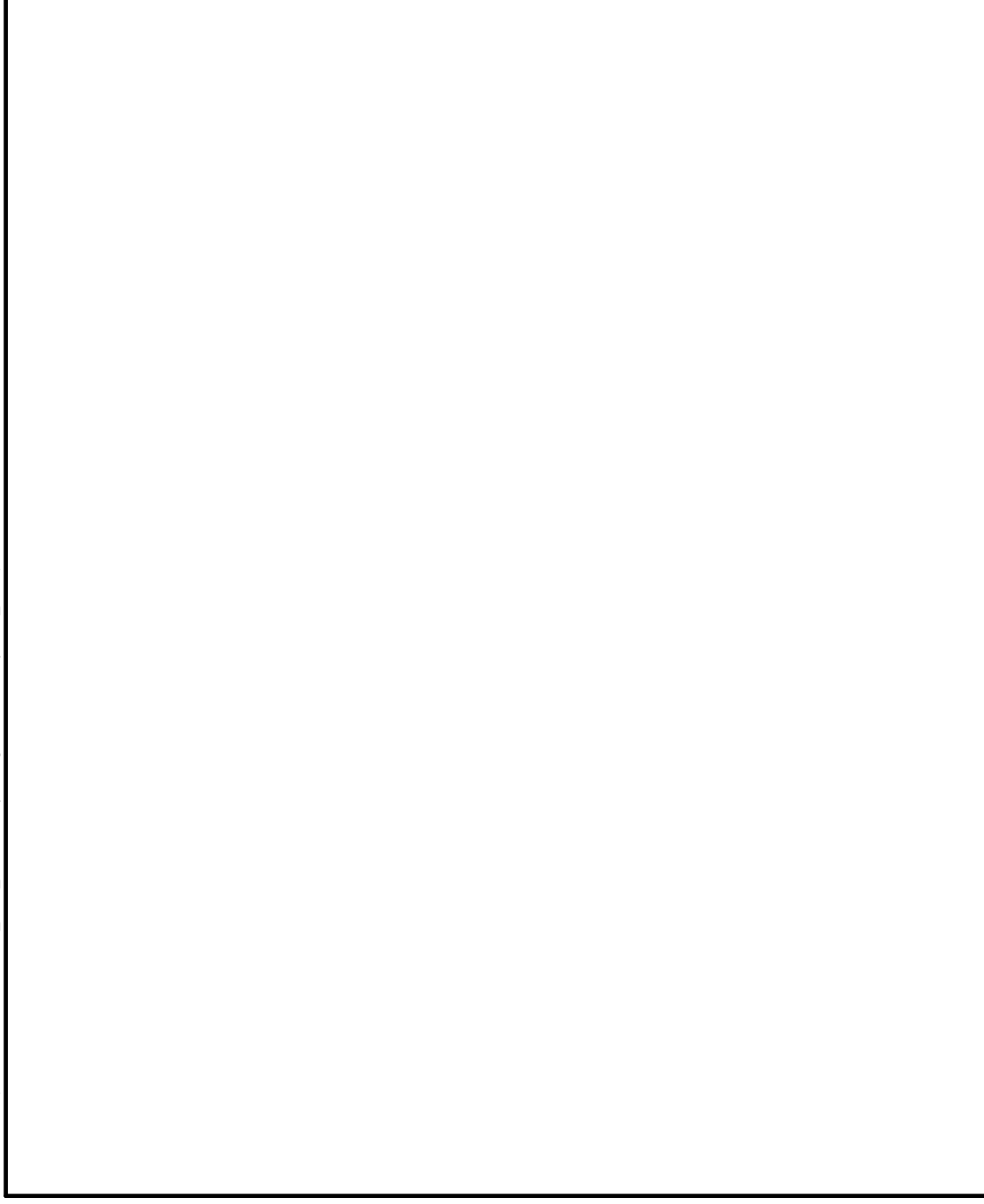
RESCUE SIGN 3" = 1'-0" 19



DROP-OFF SIGN 1/2" = 1'-0" 15



ACCESS SIGN 3/4" = 1'-0" 11



PARKING SIGN 1/2" = 1'-0" 16



LANEY COLLEGE CENTRAL UTILITY PLANT UPGRADE

PERALTA COMMUNITY COLLEGE DISTRICT

900 FALLON STREET, OAKLAND, CA 94607

CONSULTANT

03-15-2021 100% DD SET
04-14-2021 50% CD SET

NO DATE BY DESCRIPTION

REVISIONS

DRAWN: EV CHECKED: EM
DATE: 03/15/21 SCALE: As indicated
PROJECT NUMBER: 2015800

SPECIALTY DETAILS

DRAWING NUMBER: 10.2

ARCHITECTS

WLC

CLIENT FOCUSED • PASSION DRIVEN

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LANEY COLLEGE CENTRAL UTILITY PLANT UPGRADE

PERALTA COMMUNITY COLLEGE DISTRICT

900 FALLON STREET, OAKLAND, CA 94607

REGISTERED ARCHITECT
KEVIN MACQUARRIE
DRAFTSMAN FOR CONSTRUCTION
STATE OF CALIFORNIA

CONSULTANT

03-15-2021 100% DD SET
04-14-2021 50% CD SET

NO DATE BY DESCRIPTION

REVISIONS

DRAWN: EV CHECKED: EM
DATE: 03/15/21 SCALE: As indicated
PROJECT NUMBER: 2015800

SPECIALTY DETAILS

DRAWING NUMBER: 10.2

CURTAIN WALLS & PRECAST CONCRETE ELEMENTS

- 1. THE ITEM(S) INCLUDED IN THIS SECTION ARE DESIGN-BUILD AND/OR BIDDER-DESIGNED.
2. CONTRACT DOCUMENTS INDICATE INFORMATION SUFFICIENT TO CONVEY DESIGN INTENT AT SOME LOCATIONS THERE MAY BE INDICATIONS OF SUPPORTS AND FASTENINGS AT OTHER LOCATIONS THERE MAY NOT BE SUCH INDICATIONS...

FIRE SPRINKLER ANCHORAGE

- 1. THE ITEM(S) INCLUDED IN THIS SECTION ARE DESIGN-BUILD AND/OR BIDDER-DESIGNED.
2. FIRE SPRINKLER CONTRACTOR SHALL PROVIDE CALCULATIONS, DETAILS AND PLANS OF ALL FIRE SPRINKLER ANCHORAGE, VERTICAL LOADS ARE PER BUILDING CODE AND LATERAL LOADS ARE PER NFPA 13.

CONCRETE MASONRY

- 1. CONCRETE MASONRY UNITS (CMU) SHALL DEVELOP THE FOLLOWING MINIMUM 28 DAY PRISM COMPRESSIVE STRENGTHS:
2. CONCRETE BLOCK SHALL CONFORM TO ASTM C90 NORMALWEIGHT. USE OF LIGHTWEIGHT BLOCK REQUIRES PRIOR WRITTEN APPROVAL BY THE EOR.
3. MORTAR SHALL BE TYPE S MORTAR.
4. VERTICAL REINFORCING SHALL BE FULL HEIGHT OF WALL AND SHALL BE BRACED AT 6'-8" MAXIMUM TO PREVENT MOVEMENT WHILE GROUTING.

WELDING

- 1. WELDING PROCEDURES, ELECTRODES AND WELDER QUALIFICATIONS SHALL CONFORM TO AWS AND AISC REQUIREMENTS.
2. ALL WELDERS SHALL HAVE EVIDENCE OF PASSING THE AWS STANDARD QUALIFICATION TESTS, AND SHALL BE CERTIFIED FOR THE WORK THEY ARE PERFORMING.
3. PROJECT WELDING SHALL BE PERFORMED ONLY IN ACCORDANCE WITH WELDING PROCEDURE SPECIFICATIONS (WPS) SUBMITTED BY THE CONTRACTOR AND REVIEWED BY THE EOR AND PROJECT WELDING INSPECTOR...

METAL DECK

- 1. SEE TYPICAL DETAILS FOR REINFORCING OF DECK AROUND OPENINGS. CONTRACTOR SHALL COORDINATE SIZE AND LOCATIONS OF OPENINGS WITH THE VARIOUS TRADES.
2. FLOOR AND ROOF DECK IS DESIGNED FOR UNSHORED CONSTRUCTION. UNO. MAINTAIN 3 SPAN LENGTH WHEREVER POSSIBLE (2 SPAN MIN.) EXCEPT AT STAIR LANDINGS AND WHERE NOTED OTHERWISE ON PLANS.
3. PROVIDE 2" MINIMUM BEARING AT ALL SUPPORTS. END LAPS OF METAL DECK SHALL BE A MINIMUM OF 2' AND SHALL OCCUR ONLY OVER SUPPORTS.

- 6. METAL DECK WITH CONCRETE FILL SHALL HAVE POSITIVE VENTING. DO NOT EMBED PIPES, SLEEVES, CONDUIT, ETC. IN CONCRETE TOPPING, UNO.
7. WELDING OF METAL DECK SHALL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) D1.3.

LEAN CONCRETE FILL

- 1. LEAN CONCRETE SHALL ONLY BE USED WHERE SPECIFIED IN THE DRAWINGS.
2. MIXING AND PLACING OPERATIONS SHALL CONFORM TO ACI 229R.
3. 28-DAY COMPRESSIVE STRENGTH
WHERE SUPPORTING FOOTINGS 3000 PSI
OTHER 1000 PSI
4. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D4882.

SHORING AND EXCAVATIONS

- 1. THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, APPROVALS, PERMITS, INSTALLATION AND MONITORING OF ALL TEMPORARY SHORING AND BRACING AS REQUIRED TO SUPPORT EXISTING FRAMING WHERE SUPPORT ELEMENTS (BEAMS, COLUMNS, AND BEARING WALLS) ARE TO BE REMOVED, EXCAVATIONS, AND WHERE INDICATED IN THE DESIGN DOCUMENTS.
2. DESIGN LOADS FOR SHORING AND BRACING OF FRAMING SHALL BE INDEPENDENTLY DETERMINED, BUT NOT LESS THAN THE DEAD LOADS AS STATED IN STRUCTURAL DESIGN CRITERIA WHERE NOTED.
3. TEMPORARY SOLE CUTS SHALL NOT EXCEED SLOPES RECOMMENDED IN THE GEOTECHNICAL REPORT, NOR THOSE SHOWN ON THE SHORING DRAWINGS FOR CONSTRUCTION OF FOUNDATIONS.
4. EXCAVATIONS AND FOUNDATION-RELATED SHORING SHALL BE PERFORMED UNDER THE CONTINUOUS INSPECTION AND APPROVAL OF THE GEOTECHNICAL ENGINEER...

DESIGN-BUILD FOUNDATION/ANCHORAGE SYSTEM

- 1. THE ITEM(S) INCLUDED IN THIS SECTION ARE DESIGN-BUILD AND/OR BIDDER-DESIGNED.
2. THE FOUNDATION CONTRACTOR SHALL PROVIDE CALCULATIONS, PLANS, AND DETAILS OF COMPLETE FOUNDATION/ANCHORAGE SYSTEM IN CONFORMANCE WITH THE STRUCTURAL DRAWINGS AND THE BUILDING CODE FOR THE DESIGN LOADS GIVEN.
3. SUBMIT PLANS AND CALCULATIONS STAMPED AND SIGNED BY A CIVIL ENGINEER LICENSED IN THE STATE OF CALIFORNIA FOR REVIEW PRIOR TO FABRICATION.
4. ALL CONNECTIONS NOT SHOWN SHALL CONFORM TO THE "AISC" MANUAL OF STEEL CONSTRUCTION" AND SHALL BE SUBMITTED ON SHOP DRAWINGS FOR REVIEW BY EOR PRIOR TO FABRICATION.
5. ALL WELDED HEADED STUDS, THREADED STUDS, AND DEFORMED BARS SHALL BE NELSON, OR EQUIVALENT, AND WELDED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS BY CERTIFIED WELDERS SO AS TO FULLY DEVELOP THE TENSILE CAPACITY OF THE CONNECTOR.

CONCRETE PILES

- 1. USE 1/2" ASTM A4-66 GRADE 70 "LOWLAX" STRANDS, A + 0.153" SQ IN.
2. INITIAL TENSION: TBD #18 IN DRND. EFFECTIVE PRESTRESS: TBD PSI.
3. CONCRETE STRENGTH:
F'c = 4000 PSI @ TRANSFER
F'c = 7000 PSI @ 28 DAYS
4. FACTORED DESIGN LOAD: TBD
5. PROVIDE ADDITIONAL MILD REINFORCING AS REQUIRED TO PROVIDE REQUIRED CAPACITY, DUCTILE TIES CONFORMING TO THE BUILDING CODE TO BE DESIGNED BY PILE MANUFACTURER.
6. UNLESS PRESTRESSED STRANDS ARE DEVELOPED INTO PILE CAPS, USE ONLY THE MILD STEEL TO DEVELOP THE MAXIMUM MOMENT.
7. PLACEMENT OF PILES SHALL CONFORM TO THE PROJECT GEOTECHNICAL REPORT AND SHALL BE UNDER THE CONTINUOUS OBSERVATION BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER. FINAL PILE DEPTH TO BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER.
8. GROUT SHALL BE MASTERFLOW #928 OR EQUIVALENT.
9. WIRE SHALL CONFORM TO ASTM A82.
10. SEE SPECIFICATIONS FOR INDICATOR PILE AND TEST PILE REQUIREMENTS.
11. PRECAST PILE MANUFACTURER SHALL BE "KIE-COV" OR EQUIVALENT.
12. PILE MANUFACTURER TO PROVIDE PILE CUT-OFF DETAIL, STAMPED AND SIGNED BY A CALIFORNIA LICENSED ENGINEER, FOR REVIEW AS REQUIRED.

POST-INSTALLED ANCHOR TESTING

- 1. ALL POST-INSTALLED ANCHORS ARE TO BE TENSION TESTED WITH THE EXCEPTION THAT TORQUE TESTING IS ALLOWED IF THE ANCHORS ARE SPECIFICALLY DESIGNED AS TORQUE CONTROLLED.
2. TEST QUANTITY OF POST-INSTALLED ANCHORS AS NOTED BELOW:
APPLICATION QUANTITY
NON-STRUCTURAL (EQUIPMENT ANCHORAGE, ETC.) 50%
STRUCTURAL 100%
3. APPLY PROOF TEST LOADS TO ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH AND APPLY LOAD.
4. ALL TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE INSPECTOR.
5. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING OR RESTRICTED FROM A CONCRETE SHEAR CONE TYPE FAILURE MECHANISM.
6. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
7. THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
a. HYDRAULIC RAM METHOD: ANCHORS TESTED WITH A HYDRAULIC JACK OR SPRING LOADED DEVICES SHALL MAINTAIN THE TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCRETE MOVEMENT DURING THE TENSION TEST. E.G. AS EVIDENCED BY LOSINGEN OF THE WASHER UNDER THE NUT.
b. TORQUE WRENCH METHOD: ANCHORS TESTED WITH A CALIBRATED TORQUE WRENCH MUST ATTAIN THE MANUFACTURER RECOMMENDED TORQUE WITHIN 1/2 TURN OF THE NUT.
EXCEPTIONS:
i. WEDGE OR SLEEVE TYPE: ONE-QUARTER TURN OF THE NUT FROM 3/16" SLEEVE ANCHOR ONLY.
ii. THREADED TYPE: ONE-QUARTER TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.
8. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE NOT PREVIOUSLY TESTED UNTIL TWENTY CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TEST FREQUENCY. IF THE ANCHORS ARE USED FOR THE SUPPORT AND BRACING OF NON-STRUCTURAL COMPONENTS (PIPE, DUCT OR CONDUIT), THE TWENTY SHALL BE ONLY THOSE ANCHORS INSTALLED BY THE SAME TRADE.
9. RE-USE OF SCREW ANCHORS OR HOLES IS NOT PERMITTED.
10. AN ACI-CRSI CERTIFIED ADHESIVE ANCHOR INSTALLER IS REQUIRED FOR THE INSTALLATION OF ADHESIVE ANCHORS IN HORIZONTAL AND OVERHEAD CONDITIONS.
11. TEST LOADS:

Table with columns: ANCHOR TYPE, SIZE (IN), LOAD (LBS), TORQUE (FT-LBS)

STRUCTURAL STEEL

- 1. DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), AS CONTAINED IN THE "AISC" MANUAL OF STEEL CONSTRUCTION. ALL WORK SHALL BE IN CONFORMANCE WITH THE TESTING, INSPECTION QUALIFICATION, AND QUALITY ASSURANCE PROVISIONS AS REQUIRED BY THE BUILDING CODE AND ANY APPLICABLE STANDARDS. THESE STANDARDS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"; AISC 341 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS"; AWS D1.1 "STRUCTURAL WELDING CODE - STEEL"; AWS D1.8 "STRUCTURAL WELDING CODE - SEISMIC SUPPLEMENT"; AND RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". CONFORMANCE TO SUPPLEMENTS TO THESE STANDARDS, IF PUBLISHED ON OR BEFORE THE DATE OF PERMIT ISSUANCE, IS ALSO REQUIRED. ALTHOUGH THESE CONTRACT DOCUMENTS INCLUDE GENERAL REFERENCES TO CODES AND STANDARDS, AND REFERENCES TO OR INCLUSIONS OF SPECIFIED PROVISIONS, OMISSIONS OF ANY APPLICABLE CODE, STANDARD, OR PROVISION DOES NOT RELIEVE THE GENERAL CONTRACTOR FROM COMPLIANCE TO THE APPLICABLE REQUIREMENTS. COORDINATION OF QUALITY CONTROL, AND QUALITY ASSURANCE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
2. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
3. STRUCTURAL STEEL MATERIALS/GRADES, UNO.

Table with columns: SHAPE, MATERIAL / GRADE

- a. EXCEPT AS OTHERWISE NOTED, ALL BOLTS SHALL BE HIGH-STRENGTH BOLTS.
b. WHERE WELDING TO GRADE 55 THREADED ANCHOR RODS IS REQUIRED, USE ASTM F1554 GRADE 55 WITH SUPPLEMENT S1.
4. ALL CONNECTIONS NOT SHOWN SHALL CONFORM TO THE "AISC" MANUAL OF STEEL CONSTRUCTION" AND SHALL BE SUBMITTED ON SHOP DRAWINGS FOR REVIEW BY EOR PRIOR TO FABRICATION.
5. ALL WELDED HEADED STUDS, THREADED STUDS, AND DEFORMED BARS SHALL BE NELSON, OR EQUIVALENT, AND WELDED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS BY CERTIFIED WELDERS SO AS TO FULLY DEVELOP THE TENSILE CAPACITY OF THE CONNECTOR.
6. BOLTS WITH UPSET THREADS ARE NOT ALLOWED. USE THE APPROPRIATE NUT AND WASHER TYPE FOR THE SPECIFIED BOLT.
7. ALL STEEL FABRICATION SHALL BE PERFORMED BY A LICENSED FABRICATOR.
8. BEAMS NOT SPECIFIED WITH CAMBER SHALL HAVE MILL CAMBER PLACED IN UPWARD POSITION.
9. ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL PERMANENTLY EXPOSED TO THE ELEMENTS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION UNLESS A WEATHERPROOF COATING IS SPECIFIED BY THE ARCHITECT. UNO. STAINLESS AND WEATHERING STEELS, WHERE SPECIFIED, ARE EXEMPT FROM THIS REQUIREMENT. GALVANIZED SURFACES SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL BE REPAIRED AS NECESSARY. ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL COMPLY WITH AISC CODE OF STANDARD PRACTICE, SECTION 10.
10. SEE ARCHITECTURAL DRAWINGS FOR NAILER HOLES, WELDED STUDS OR OTHER ITEMS NOT SHOWN IN THESE DRAWINGS.
11. WHERE STEEL IS EMBEDDED IN CONCRETE OR MASONRY, PROVIDE HOLES AS REQUIRED FOR PASSAGE OF CONTINUOUS REINFORCING BARS WHERE INDICATED ON DRAWINGS.
12. DO NOT CUT HOLES IN STRUCTURAL STEEL WITHOUT APPROVAL OF THE EOR.
13. PLACE NON-SHRINK OR DRYPACK GROUT UNDER ALL BASEPLATES AND ALLOW TO CURE UNTIL SPECIFIED STRENGTH IS REACHED BEFORE APPLYING LOADS.

HIGH-STRENGTH BOLTS

- 1. JOINT ASSEMBLIES USING HIGH-STRENGTH BOLTS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE "AISC" (RCSC) SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS".
2. ALL HIGH-STRENGTH BOLTS SHALL CONFORM TO ASTM F3125 GRADE A328 OR A490, OR GRADE F1882, TYPE 1, W/ THREADS INCLUDED (N).
3. NUTS SHALL CONFORM TO ASTM A563 AND WASHERS SHALL CONFORM TO ASTM F436.
4. PAINT IS PROHIBITED ON CONTACT SURFACES UNLESS NOTED OTHERWISE. CONTACT SURFACES OF BOLTED PARTS SHALL BE DESCALCED AND FREE OF DIRT, OIL, BURRS, PITS, AND OTHER DEFECTS WHICH PREVENT SOLID SEATING OF PARTS.
5. ALL HIGH-STRENGTH BOLTS SHALL BE TIGHTENED TO THE AISC "SNUG TIGHT" CONDITION UNLESS SPECIFIED AS SLIP-CRITICAL.
6. BOLTS IN "X" CONNECTIONS SHALL HAVE THE THREADS EXCLUDED FROM THE SHEAR PLANE. BOLTS IN "N" CONNECTIONS MAY HAVE THE THREADS INCLUDED IN THE SHEAR PLANE. CONNECTION TYPES ARE INDICATED AFTER THE BOLT GRADE (AS3X FOR EXAMPLE). HIGH-STRENGTH BOLTS ARE "V" BEARING CONNECTIONS, UNLESS NOTED OTHERWISE.
7. SUB-CRITICAL BOLTS SHALL HAVE CLASS "X" FINISH SURFACES. SUB-CRITICAL JOINT ASSEMBLIES SHALL BE FULLY PRE-TENSIONED BY TURN-OF-NUT TIGHTENING. TENSION CONTROL, CALIBRATED WRENCH TIGHTENING, TWIST-OFF BOLTS CONFORMING TO ASTM F3125 GRADE F1882, OR BY DIRECT TENSION INDICATOR TIGHTENING CONFORMING TO ASTM F959.

STRUCTURAL CONCRETE

- 1. CONCRETE SHALL BE MIXED, PLACED AND CURED IN ACCORDANCE WITH ACI 318 AND ACI 301 AND PROJECT SPECIFICATIONS.
2. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCOMBINED FALL OF CONCRETE DOES NOT EXCEED 30 FEET. A SUFFICIENT NUMBER OF CHUTES OR TRUNKS SHALL BE USED TO ENSURE THE CONCRETE IS KEPT LEVEL AT ALL TIMES.
3. CONSTRUCTION JOINTS SHALL BE CLEANED AND ROUGHENED BY REMOVING THE ENTIRE SURFACE TO EXPOSE CLEAN AGGREGATE SOLIDLY EMBEDDED IN THE MORTAR MATRIX. LOCATIONS OF CONSTRUCTION JOINTS NOT SHOWN ON THESE PLANS SHALL BE SUBMITTED FOR APPROVAL TO THE EOR PRIOR TO PLACING ANY CONCRETE.
4. STRUCTURAL CONCRETE SHALL MEET THE FOLLOWING DESIGN CRITERIA:
LOCATION MIN 28-DAY COMP. STRENGTH CONC TYPE MAX AGGREGATE SIZE MAX WC RATIO
FOUNDATION 3000 PSI NWC 1 1/2" 0.55
INTERIOR SLAB ON GRADE NOT EXPOSED TO WEATHER OR RECEIVING FLOORING FINISH 4000 PSI NWC 1" 0.50
FILL OVER METAL DECK 3000 PSI LWC 1" 0.50
ALL OTHER STRUCTURAL CONCRETE NOT NOTED ABOVE 3000 PSI NWC 1" 0.50
a. MAXIMUM AIR DRY UNIT WEIGHT OF LIGHTWEIGHT CONCRETE SHALL NOT EXCEED 115 PCF, UNLESS APPROVED BY EOR.
b. WHEN THE USE OF PLASTICIZER (ASTM C1017, TYPE I OR II) OR WATER REDUCER (ASTM C494, TYPE F OR G) IS USED, MAXIMUM SLUMP SHALL BE 4" PRIOR TO ADMIXTURE AND 6" INCLUDING ADMIXTURE AT THE POINT OF DELIVERY. IN THE ABSENCE OF PLASTICIZER AND WATER REDUCER, SLUMP AT THE POINT OF DELIVERY SHALL NOT EXCEED 4".
c. W/C RATIO INDICATES WATER TO CEMENTitious MATERIALS RATIO.
d. FOR INTERIOR SLAB ON GRADE AND ALL OTHER SLABS RECEIVING ADHERED FLOORING FINISHES (I.E., GLEED, ETC.), THE MAXIMUM W/C RATIO SHALL NOT EXCEED 0.48. CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECEIVE FINISHES SHALL BE COMPATIBLE WITH TILE AND ADHESIVES OR GROUTS IN ACCORDANCE WITH MANUFACTURER'S DATA AND BE APPROVED BEFORE USE.
e. SLABS ON GRADE, TOPPING SLABS, AND ELEVATED CONCRETE FLOORS SHALL HAVE A MAXIMUM SHRINKAGE RATE OF 0.04% AT 28 DAYS PER ASTM C157 (CURING TEST SPECIMENS TO BE CONSISTENT WITH FIELD CONDITIONS), OR USING EMBEDDED VIBRATING WIRE STRAIN GAUGES. RESULTS OF TESTING SHALL BE SUBMITTED TO ENGINEER.
f. SEE ACI 318 FOR ADDITIONAL REQUIREMENTS REGARDING MAXIMUM AGGREGATE SIZE AND AGGREGATE GRADATION OF 3/8" MAXIMUM (PER GRAVEL) SHALL NOT BE USED WHERE FINISHED CONCRETE SURFACE IS EXPOSED TO VIEW.
5. CONCRETE MIX DESIGN AND TESTING SHALL MEET THE REQUIREMENTS OF THE BUILDING CODE AND SPECIFICATIONS. ALL CONCRETE MIXES SHALL BE DESIGNED PER ACI 318 BY A RECOGNIZED TESTING LAB STAMPED AND SIGNED BY A LICENSED CALIFORNIA CIVIL ENGINEER AND SUBMITTED TO THE EOR FOR REVIEW PRIOR TO CONCRETE PLACEMENT. STRUCTURAL CONCRETE MIXES SHALL CONSIST OF 5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE MINIMUM UNO.
6. AGGREGATES IN NORMALWEIGHT CONCRETE SHALL CONFORM TO ASTM C33 (HARDROCK), AGGREGATES IN LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C330.
7. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND THE EOR.
8. PORTLAND CEMENT SHALL BE TYPE II AND SHALL CONFORM TO ASTM C150, LOW ALKALI. MILL TESTS WITH CERTIFICATES OF COMPLIANCE SHALL BE SUBMITTED.
9. FLY ASH OR OTHER POZZOLANS CONFORMING TO ASTM C618 CLASS F MAY BE USED AS A PARTIAL SUBSTITUTION FOR PORTLAND CEMENT UP TO A MAXIMUM OF 25% TOTAL CEMENTitious MATERIALS BY WEIGHT IF THE MIX DESIGN IS PROPORTIONED BY FIELD.
10. CONCRETE MIXING OPERATIONS, ETC. SHALL CONFORM TO ASTM C94.
11. LEAN CONCRETE, WHERE SPECIFICALLY INDICATED, SHALL CONTAIN 2 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE.
12. DRYPACK OR NONSHRINK GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI, AND CONSIST OF MASTERFLOW 713, ELOCON NS GROUT, SIK GROUT 212, OR APPROVED EQUIVALENT. FOR GROUT GROUT LAYERS FOLLOW MANUFACTURER'S GUIDELINES TO ATTAIN THE REQUIRED STRENGTH, WHICH MAY INCLUDE THE ADDITION OF FEA GRAVEL. FOR BASE PLATES LARGER THAN 6" SQUARE FEET, USE HI-FLOW GROUT OR MASTERFLOW 998.
13. DO NOT USE ANY CONCRETE OR GROUT CONTAINING CHLORIDES.
14. WATER USED IN MIX SHALL BE CLEAN AND POTABLE.
15. PRIOR TO ERECTING ANY ELEMENTS THAT LOAD THE FOUNDATION, CONCRETE MUST REACH AN UNCOMBINED COMPRESSIVE STRENGTH OF 2000 PSI MINIMUM AS DETERMINED BY TESTING OR PREVIOUSLY DOCUMENTED DATA FOR THE MIX DESIGN USED UNDER SIMILAR CONDITIONS, AND MUST CURE FOR A MINIMUM OF 7 DAYS.
16. MAINTAIN CONCRETE ABOVE 50 DEGREES FAHRENHEIT AND IN A MOIST CONDITION FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT UNLESS OTHERWISE APPROVED BY EOR.
17. SEE ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, WALL OFFSETS, CHAMFERS, KERFS, DRIPS AND FOR EXTENT OF DEPRESSIONS, RAMPS, ETC.
18. PROVIDE SLEEVES FOR ALL PIPES THROUGH CONCRETE WALLS AND FOOTINGS SHOWN ON THESE DRAWINGS. CORING IS NOT PERMITTED WITHOUT PRIOR APPROVAL BY THE EOR.
19. EXPOSED CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC. SHALL BE FORMED WITH 3/4" CHAMFER OR 1/2" RADIUS TOOLED EDGE, UNO.
20. BEAM LONGITUDINAL BARS SHALL BE ON INSIDE FACE OF COLUMN VERTICAL BARS.

Table with columns: LOCATION, MIN 28-DAY COMP. STRENGTH, CONC TYPE, MAX AGGREGATE SIZE, MAX WC RATIO

- 1. DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), AS CONTAINED IN THE "AISC" MANUAL OF STEEL CONSTRUCTION. ALL WORK SHALL BE IN CONFORMANCE WITH THE TESTING, INSPECTION QUALIFICATION, AND QUALITY ASSURANCE PROVISIONS AS REQUIRED BY THE BUILDING CODE AND ANY APPLICABLE STANDARDS. THESE STANDARDS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS"; AISC 341 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS"; AWS D1.1 "STRUCTURAL WELDING CODE - STEEL"; AWS D1.8 "STRUCTURAL WELDING CODE - SEISMIC SUPPLEMENT"; AND RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". CONFORMANCE TO SUPPLEMENTS TO THESE STANDARDS, IF PUBLISHED ON OR BEFORE THE DATE OF PERMIT ISSUANCE, IS ALSO REQUIRED. ALTHOUGH THESE CONTRACT DOCUMENTS INCLUDE GENERAL REFERENCES TO CODES AND STANDARDS, AND REFERENCES TO OR INCLUSIONS OF SPECIFIED PROVISIONS, OMISSIONS OF ANY APPLICABLE CODE, STANDARD, OR PROVISION DOES NOT RELIEVE THE GENERAL CONTRACTOR FROM COMPLIANCE TO THE APPLICABLE REQUIREMENTS. COORDINATION OF QUALITY CONTROL, AND QUALITY ASSURANCE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
2. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
3. STRUCTURAL STEEL MATERIALS/GRADES, UNO.

POST-INSTALLED ANCHORS AND DOWELS

- 1. UNLESS OTHERWISE NOTED ON THE DRAWINGS, THE FOLLOWING APPLIES TO ALL POST-INSTALLED ANCHORS INTO HARDENED CONCRETE OR MASONRY, WHICH INCLUDES TYPES SUCH AS EXPANSION, WEDGE, SLEEVE, ADHESIVE/EPOXY, SHOT-PIG, SCREW AND UNDERGUT.
2. INSTALL PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI) EXCEPT AS OTHERWISE STATED IN THE SPECIFIED PRODUCT REPORTS. USE INSTALLATION PROCEDURES FOR CRACKED CONCRETE CONDITIONS. DO NOT USE CORE DRILL BITS FOR ANCHOR HOLES WITHOUT PRIOR EOR APPROVAL. COPIES OF INSTALLATION INSTRUCTIONS SHALL BE MAINTAINED ON SITE.
3. CLEAN OUT ANCHOR HOLES AND SET ANCHORS PER THE PRODUCTS THIRD PARTY EVALUATION REPORT FOR THE APPROPRIATE CONDITIONS. INSTALL UNDER SUPERVISION OF THE SPECIAL INSPECTOR WHERE REQUIRED.
4. REINFORCING BARS TO RECEIVE CONCRETE COVER MAY BE UNCOATED.
5. ANCHORS SHALL BE CLEAN AND FREE OF DEBONDING SUBSTANCES.
6. EMBEDMENT REFERS TO THE FINAL INSTALLED EFFECTIVE DEPTH "H" AS DEFINED IN THE PRODUCT REPORT. REQUIRED ANCHOR HOLE DEPTH FOR INSTALLATION MAY BE DEEPER.
7. EXISTING REINFORCING SHALL BE AVOIDED WHERE DRILLING FOR POST-INSTALLED ANCHORS OR CONCRETE DOWELS.
8. MAINTAIN A MINIMUM OF 2 INCHES FROM EXISTING CONDUIT AND POST-TENSIONING (WHERE OCCURS) PRIOR TO DRILLING, CORING OR SHOOTING PINS INTO EXISTING CONCRETE OR MASONRY. USE NONDESTRUCTIVE TESTING TO LOCATE SUCH ITEMS.
9. WHERE THE FULL ANCHOR EMBEDMENT DEPTH, SPACING OR EDGE DISTANCE CANNOT BE ACHIEVED, NOTIFY THE EOR AND/OR:
10. FILL ABANDONED HOLES WITH NON-SHRINK GROUT BY EPOXY. CLEAR DISTANCE BETWEEN NEW HOLES AND ABANDONED HOLES SHALL BE 2" FOR TWO ANCHOR DIAMETERS, WHICHEVER IS GREATER, UNLESS OTHERWISE SPECIFIED BY EOR. ANCHORS PENETRATING THROUGH WATERPROOFING OR VAPOR MEMBRANES SHALL BE SEALED OR FLASHED.
11. INSTALL IN DRY CONCRETE OR MASONRY HAVING A MINIMUM AGE OF 21 DAYS.
12. RE-USE OF SCREW ANCHORS AND SCREW ANCHOR HOLES IS NOT PERMITTED.
13. AN ACI-CRSI CERTIFIED ADHESIVE ANCHOR INSTALLER IS REQUIRED FOR THE INSTALLATION OF ADHESIVE ANCHORS IN HORIZONTAL AND OVERHEAD CONDITIONS.

FOUNDATIONS AND SLABS ON GRADE

Table with columns: GEOTECHNICAL REPORT, AUTHOR, REPORT NUMBER, DATE, MINIMUM WIDTH OF FOOTINGS, MINIMUM EMBEDMENT OF FOOTINGS, ALLOWABLE SOIL PRESSURE, DEAD LOAD + LIVE LOAD, ALLOWABLE SOIL PRESSURE, DEAD LOAD + LIVE LOAD + LATERAL LOAD, ALLOWABLE LATERAL SOIL BEARING PRESSURE PER FOOT OF DEPTH, DESIGN COEFFICIENT OF FRICTION FOR SLIDING

- 1. GEOTECHNICAL REPORT INFORMATION AND DESIGN CRITERIA:
2. ALL GRADING, FOUNDATION, AND DRAINAGE PLANS SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER UPON SUBMITTAL. A CERTIFIED LETTER BY THE GEOTECHNICAL ENGINEER IS REQUESTED STATING THAT THE RECOMMENDATIONS CONTAINED WITHIN THE SOILS REPORT HAVE BEEN INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL CONFORM TO ALL RECOMMENDATIONS AND CONDITIONS INDICATED IN THE GEOTECHNICAL REPORT. THE GEOTECHNICAL ENGINEER SHALL OBSERVE ALL FOOTING EXCAVATIONS PRIOR TO PLACING CONCRETE.
4. SUBSURFACE SOIL PREPARATION:
a. ALL EXISTING UNDOCUMENTED FILL SHALL BE REMOVED AND RECOMPACTED. ALL TOPSOILS SHALL BE REMOVED AS REQUIRED BY THE GEOTECHNICAL ENGINEER.
b. GEOTECHNICAL ENGINEER SHALL BE RETAINED DURING THE OVEREXCAVATION PROCESS. THE ACTUAL DEPTH OF REMOVAL WILL BE DETERMINED DURING GRADING OPERATIONS.
c. OFF-SITE FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
5. PRIOR TO THE CONTRACTOR REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING THAT:
a. THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT.
b. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND DO NOT SHOW ON THE DRAWINGS.
c. THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT.
6. FOOTINGS ARE CENTERED UNDER WALLS AND COLUMNS, UNO.
7. ALL TRENCHES SHALL COMPLY WITH APPLICABLE OSHA REQUIREMENTS. FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS WITH THE APPROVAL OF THE GEOTECHNICAL ENGINEER. FLOODING IS NOT PERMITTED.
8. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED BUT NOT BEHIND RETAINING WALLS BEFORE CONCRETE OR MASONRY ATTAINS ITS FULL DESIGN STRENGTH.
9. THE DESIGN OF ALL RETAINING WALLS AND SUBTERRANEAN BUILDING WALLS INDICATED ON THESE DRAWINGS IS BASED ON DRAINED SOILS.
10. CONSTRUCTION JOINTS (CJ) AND SAWCUT (SC) JOINTS IN SLABS SHALL OCCUR WHERE SPECIFIED IN CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO EOR FOR REVIEW PRIOR TO PLACING CONCRETE. CUTS SHALL HAVE FORMED POOR STOPS. CONSTRUCTION JOINTS IN WALLS AND FOOTINGS NEED NOT OCCUR AT THE SAME LOCATION, UNO.
11. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF SLAB SLOPES, DEPRESSIONS, CURBS, DRAINS, NON-STRUCTURAL PARTITIONS AND OTHER EMBEDDED ITEMS NOT SHOWN IN THE STRUCTURAL DRAWINGS.
12. CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC. ENCOUNTERED DURING EXCAVATION AND BACKFILLING. THE ARCHITECT AND ENGINEERS ARE NOT RESPONSIBLE FOR THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES, WHETHER OR NOT SHOWN ON THE DRAWINGS. THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF ANY SUCH UNIDENTIFIED CONDITIONS (IF ANY). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.
13. THE SLAB ON GRADE IS NOT DESIGNED TO SUPPORT TRAFFIC FROM GRANES OR OTHER HEAVY CONSTRUCTION VEHICLES. CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED CONCRETE SLABS.

REINFORCING STEEL

- 1. REINFORCING GRADES FOR CONCRETE AND MASONRY:
ALL BARS UNLESS NOTED OTHERWISE ASTM A615 OR A706, GRADE 60
TIES AND STIRRUPS ASTM A615 OR A706, GRADE 60
WELDED WIRE FABRIC ASTM A1064
ALL BARS TO BE WELDED ASTM A706, GRADE 60
2. ALL BARS SHALL BE DEFORMED.
3. MAINTAIN CONCRETE COVER FROM FACE OF CONCRETE TO EDGE OF ALL REINFORCEMENT AS PER COLUMNS UNO. THE INTENT IS FOR REINFORCEMENT TO BE PLACED SO THAT IT IS AS CLOSE TO CONCRETE SURFACES AS POSSIBLE, WITHIN SPECIFIED TOLERANCES, WHILE MAINTAINING THIS MINIMUM PROTECTION. PROVIDE THE LARGEST COVER REQUIRED FOR ALL APPLICABLE CONDITIONS (UNLESS OTHERWISE NOTED). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.
4. REINFORCING BARS TO RECEIVE CONCRETE COVER MAY BE UNCOATED.
5. ANCHORS SHALL BE CLEAN AND FREE OF DEBONDING SUBSTANCES.
6. EMBEDMENT REFERS TO THE FINAL INSTALLED EFFECTIVE DEPTH "H" AS DEFINED IN THE PRODUCT REPORT. REQUIRED ANCHOR HOLE DEPTH FOR INSTALLATION MAY BE DEEPER.
7. EXISTING REINFORCING SHALL BE AVOIDED WHERE DRILLING FOR POST-INSTALLED ANCHORS OR CONCRETE DOWELS.
8. MAINTAIN A MINIMUM OF 2 INCHES FROM EXISTING CONDUIT AND POST-TENSIONING (WHERE OCCURS) PRIOR TO DRILLING, CORING OR SHOOTING PINS INTO EXISTING CONCRETE OR MASONRY. USE NONDESTRUCTIVE TESTING TO LOCATE SUCH ITEMS.
9. WHERE THE FULL ANCHOR EMBEDMENT DEPTH, SPACING OR EDGE DISTANCE CANNOT BE ACHIEVED, NOTIFY THE EOR AND/OR:
10. FILL ABANDONED HOLES WITH NON-SHRINK GROUT BY EPOXY. CLEAR DISTANCE BETWEEN NEW HOLES AND ABANDONED HOLES SHALL BE 2" FOR TWO ANCHOR DIAMETERS, WHICHEVER IS GREATER, UNLESS OTHERWISE SPECIFIED BY EOR. ANCHORS PENETRATING THROUGH WATERPROOFING OR VAPOR MEMBRANES SHALL BE SEALED OR FLASHED.
11. INSTALL IN DRY CONCRETE OR MASONRY HAVING A MINIMUM AGE OF 21 DAYS.
12. RE-USE OF SCREW ANCHORS AND SCREW ANCHOR HOLES IS NOT PERMITTED.
13. AN ACI-CRSI CERTIFIED ADHESIVE ANCHOR INSTALLER IS REQUIRED FOR THE INSTALLATION OF ADHESIVE ANCHORS IN HORIZONTAL AND OVERHEAD CONDITIONS.

Table with columns: CONDITION, COVER

- 1. REINFORCING BARS TO RECEIVE CONCRETE COVER MAY BE UNCOATED.
2. CLEAN OUT ANCHOR HOLES AND SET ANCHORS PER THE PRODUCTS THIRD PARTY EVALUATION REPORT FOR THE APPROPRIATE CONDITIONS. INSTALL UNDER SUPERVISION OF THE SPECIAL INSPECTOR WHERE REQUIRED.
3. PROVIDE CARBON STEEL ANCHORS AT DRY INTERIOR LOCATIONS AND STAINLESS STEEL TYPE 304 OR 316 AT EXTERIOR LOCATIONS AND DAMP INTERIOR LOCATIONS.
4. REINFORCING BARS TO RECEIVE CONCRETE COVER MAY BE UNCOATED.
5. ANCHORS SHALL BE CLEAN AND FREE OF DEBONDING SUBSTANCES.
6. EMBEDMENT REFERS TO THE FINAL INSTALLED EFFECTIVE DEPTH "H" AS DEFINED IN THE PRODUCT REPORT. REQUIRED ANCHOR HOLE DEPTH FOR INSTALLATION MAY BE DEEPER.
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PERALTA COMMUNITY COLLEGE DISTRICT
900 FALLON STREET, OAKLAND, CA 94607

DRAFT - NOT FOR CONSTRUCTION

CONSULTANT
miyamoto.

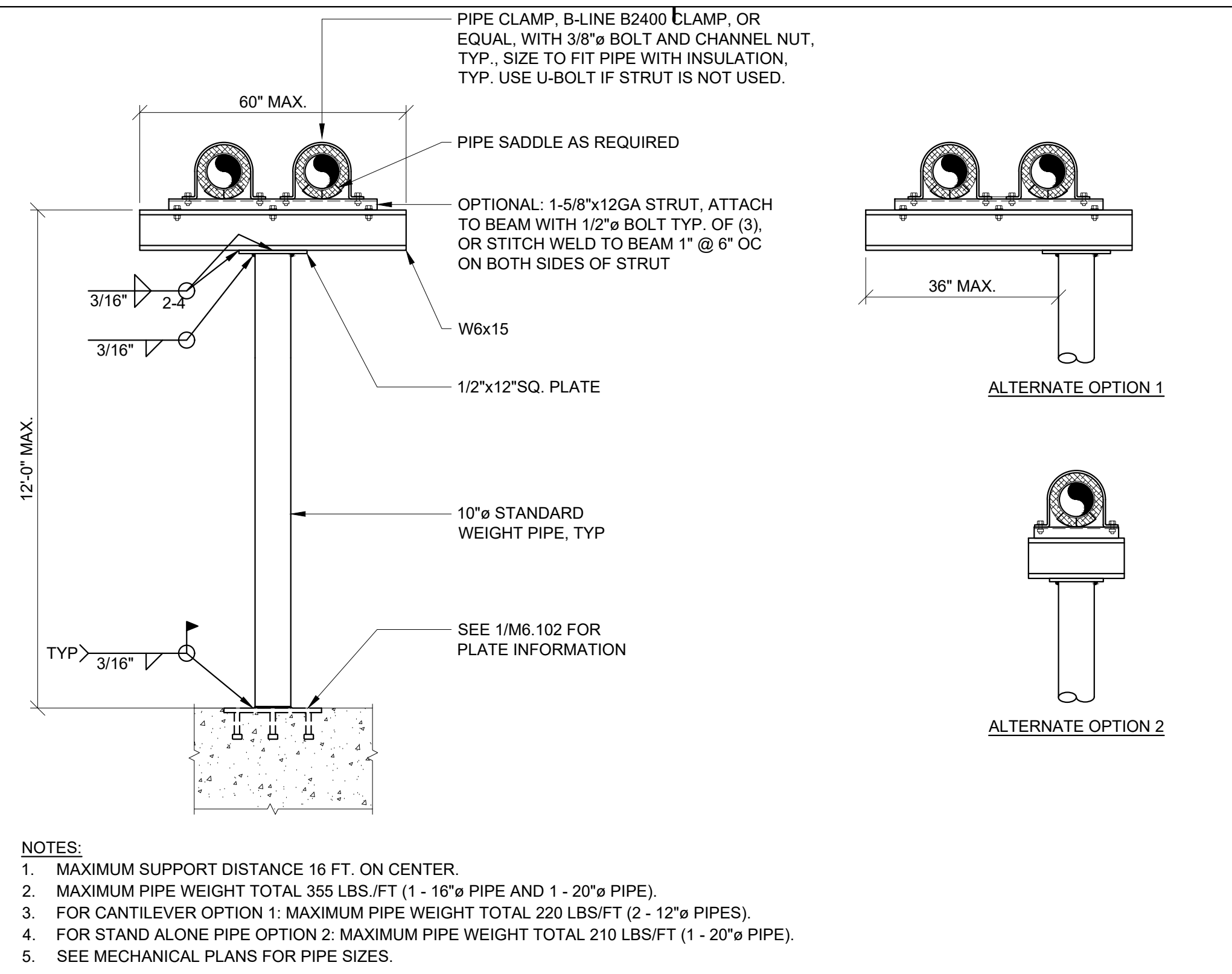
3150 Alameda Expressway, Suite 150
San Jose, CA 95131
Tel: (408) 513-1939
Fax: (408) 513-1939
m@miyamotointernational.com

Table with columns: DATE, BY, DESCRIPTION

DRAWN: AE CHECKED: SF
DATE: 03/15/2021 SCALE: AS NOTED
PROJECT NUMBER: 2015800

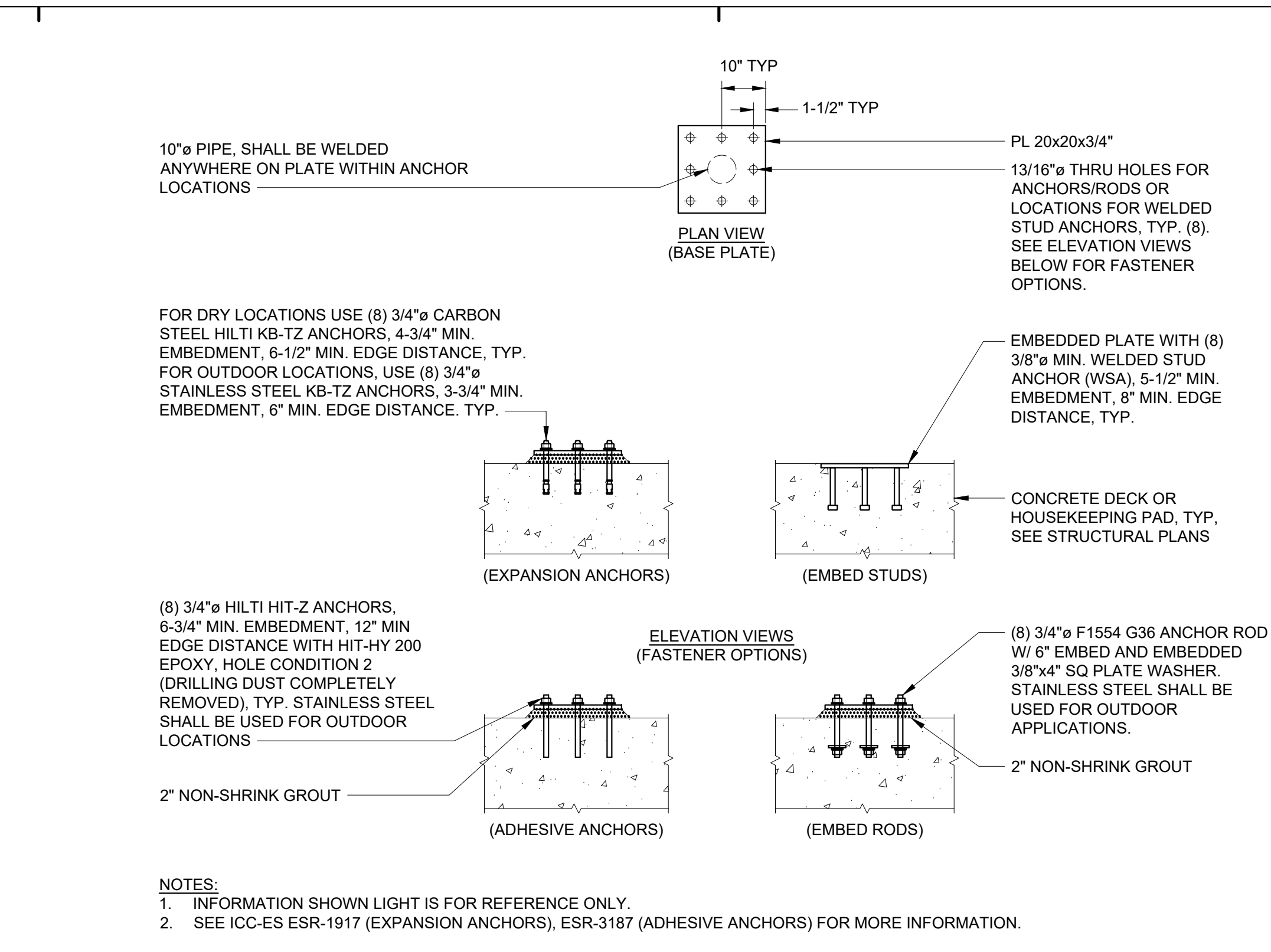
GENERAL NOTES

DRAWING NUMBER: S0.02



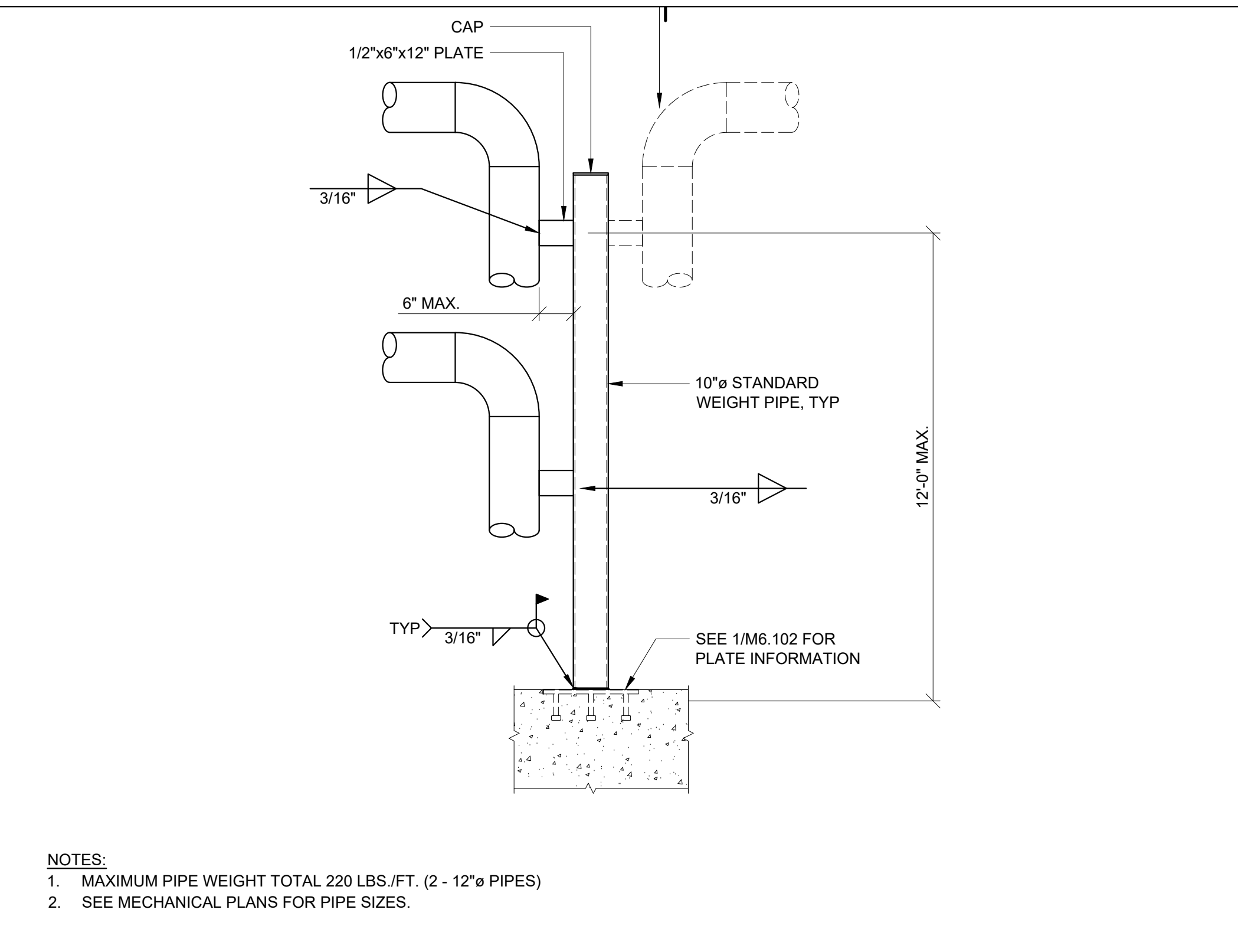
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NOT TO SCALE



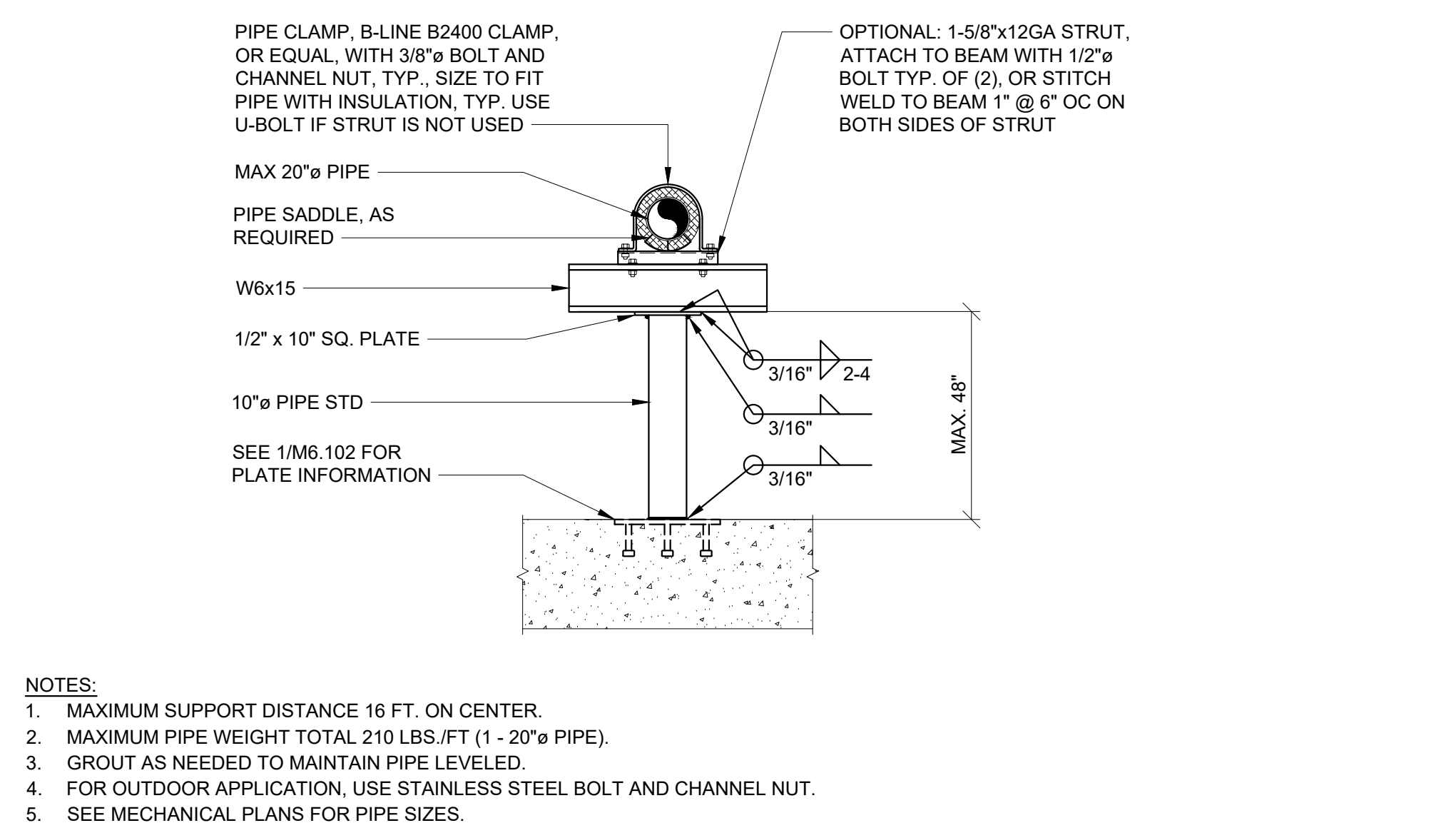
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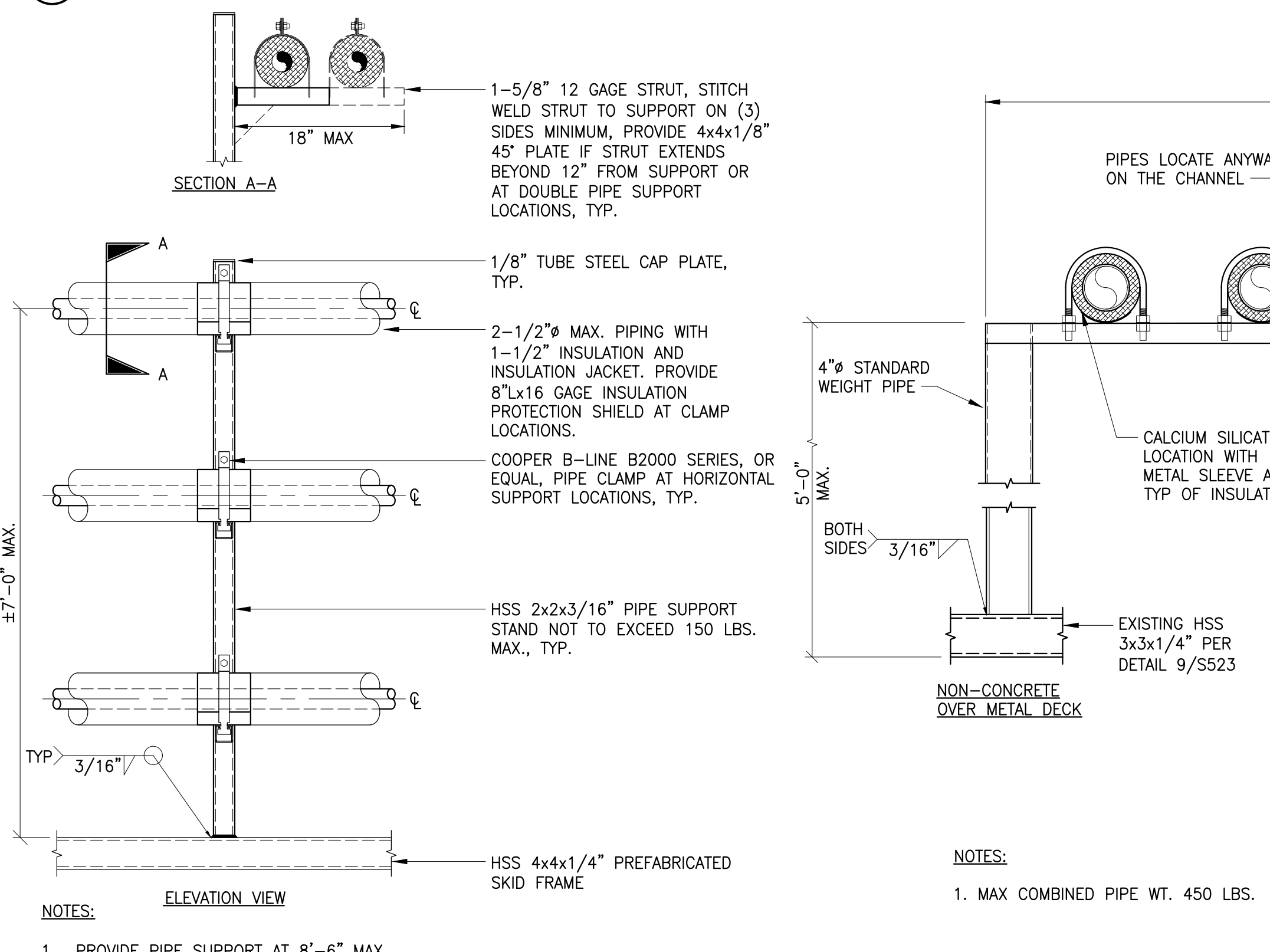
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NOT TO SCALE



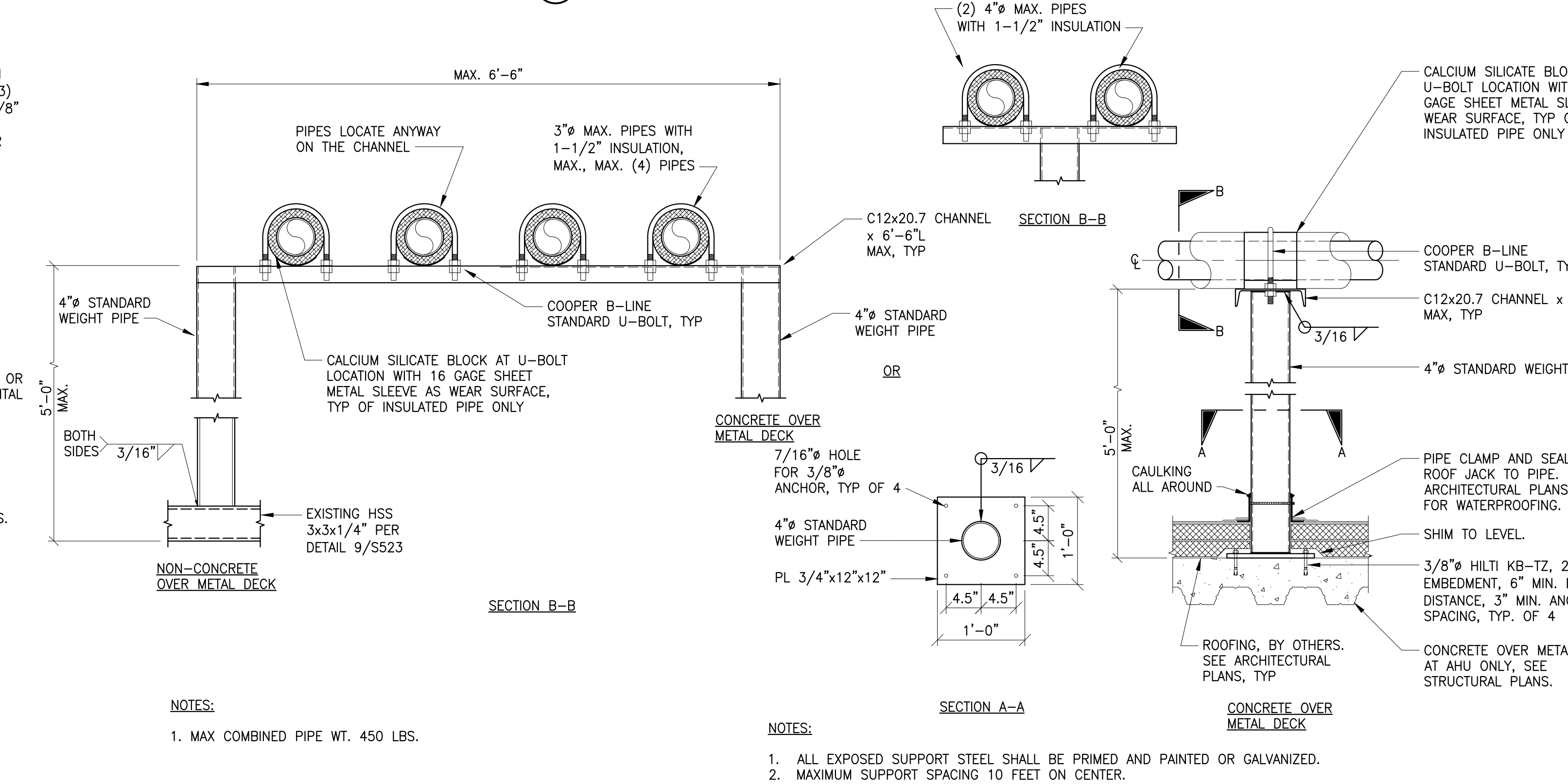
2 PIPE SUPPORT AT FLOOR DETAIL

NOT TO SCALE



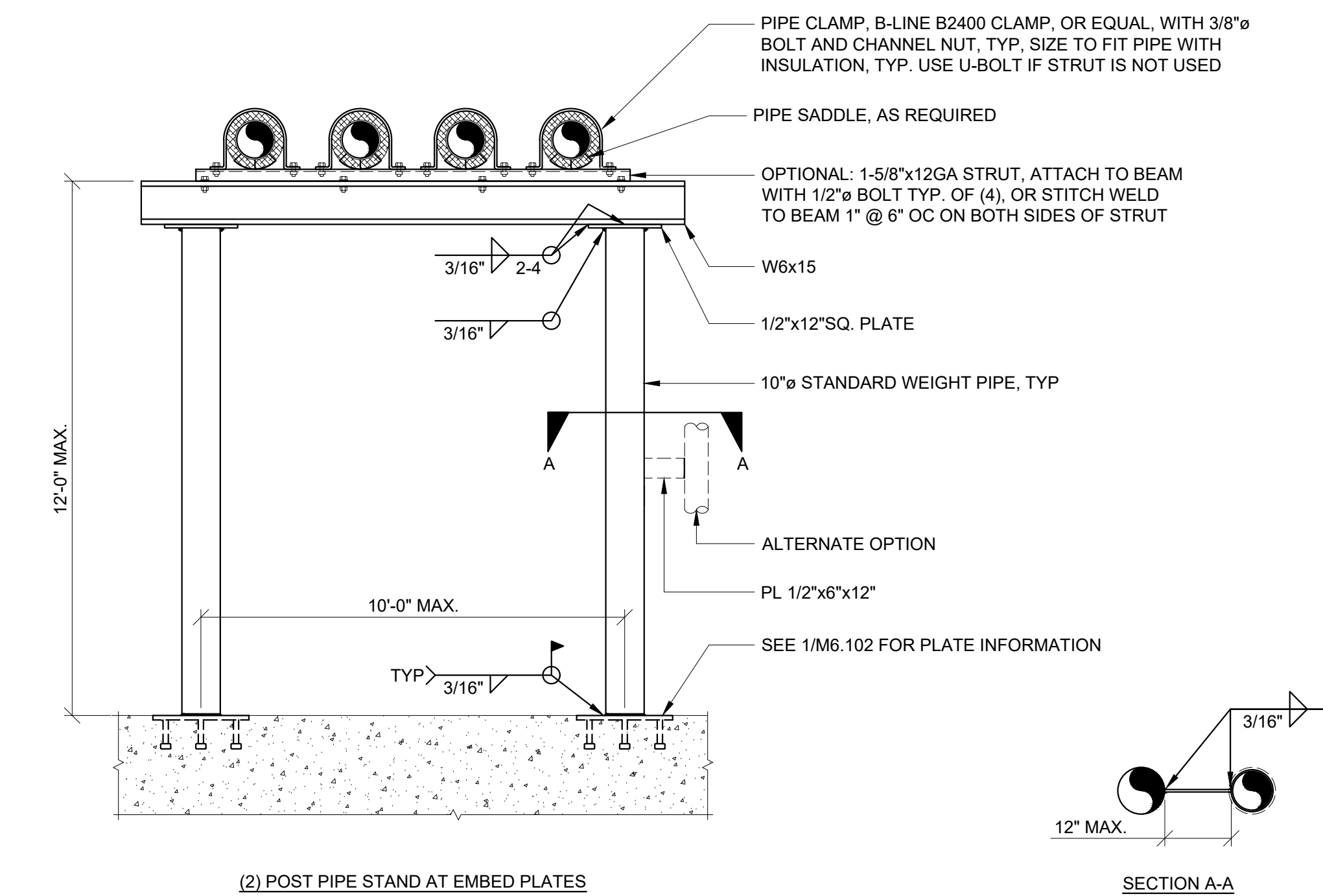
5 PIPE SUPPORT DETAIL

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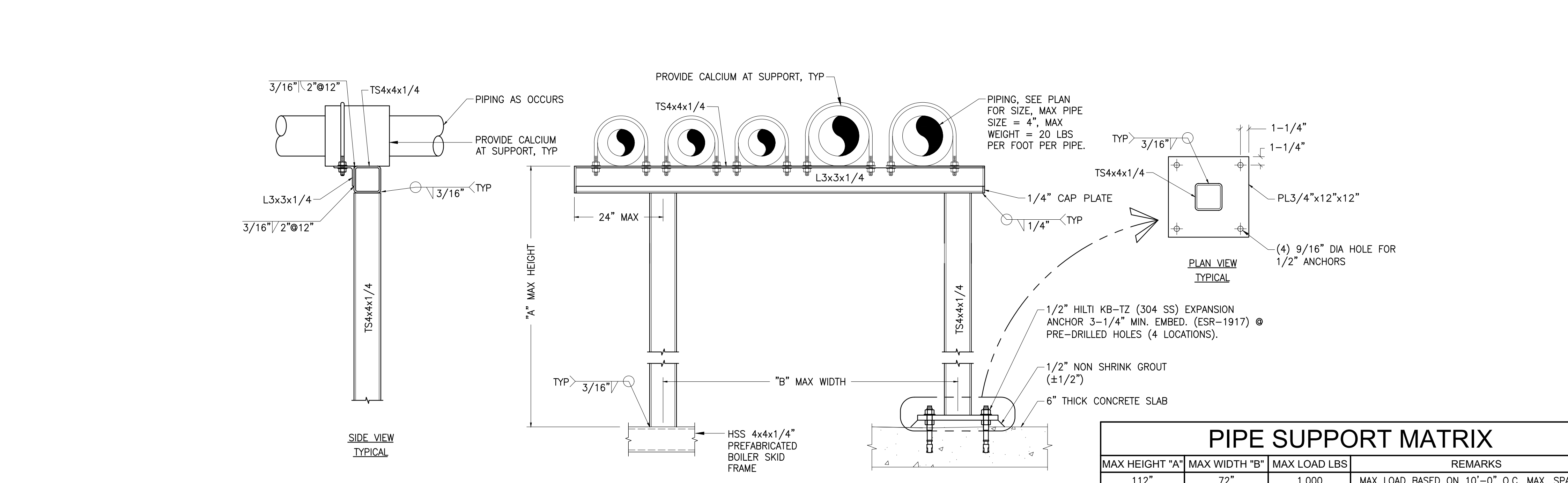
2 PIPE ON ROOF DETAIL

NOT TO SCALE



3 PIPE SUPPORT AT FLOOR DETAIL

NOT TO SCALE



3 PIPE SUPPORT DETAIL

NOT TO SCALE

PIPE SUPPORT MATRIX			
MAX HEIGHT "A"	MAX WIDTH "B"	MAX LOAD LBS	REMARKS
112"	72"	1,000	MAX LOAD BASED ON 10'-0" O.C. MAX. SPACING

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Gilbane

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CONSULTANT
FMB FRANK M. BOOTH, INC.
251 MICHELLE CT.
SO. SAN FRANCISCO, CA 94080
TEL 650.81.8232
FMB JOB NO. 2021

NO	DATE	BY	DESCRIPTION
REVISIONS			

03-15-2021	100% DD SET
04-14-2021	50% CD SET

HVAC DETAILS

DRAWING NUMBER: **M5.02**

Distribution Board: (E) EP

VOLTAGE/PHASE/WIRE: 480/277, 3PH, 4W
 BUS RATING: MAIN: 600 A
 FEED FROM: ER2CA

PRELIMINARY AIC: ENCLASURE TYPE: MOUNTING: SURFACE
 LOCATION: LOCATION:

CB OPT: ST - SHUNT TRIP
 AF - ARC FAULT CIRCUIT INTERRUPTER
 GF - GROUND FAULT CIRCUIT INTERRUPTER
 FR - 100% RATED
 LK - LOCKABLE
 RD - RED MARKING

LOAD TYPE	CKT NO	A	B	C	CB OPT	LOAD SERVED	FEEDER TAG	# POLES	CB RATING
Motor	1	0.00	0.00	0.00	(N) EP2A			3	20 A
Motor	2	14.96	14.96	14.96	(N) EP2B			3	20 A
Motor	3	0.00	0.00	0.00	CH-1			3	20 A
Motor	4	0.00	0.00	0.00	CH-2			3	20 A
--	5	0.00			SPARE			1	20 A
--	6	0.00			SPARE			1	20 A
--	7	0.00			SPARE			1	20 A
--	8	0.00			SPARE			1	20 A
--	9	0.00			SPARE			1	20 A
Motor	10	0.00	0.00	0.00	AC-1			3	20 A
--	11	0.00			SPARE			1	20 A
--	12	0.00			SPARE			1	20 A

LOAD TYPE (NUMBER)	PANEL LOAD CALCULATION LOAD TYPE	CONNECTED LOAD	DEMAND LOAD	DEMAND FACTOR
1	RECEPTACLE			PER CEC 220.44
2	LIGHTING			125%
3	EQUIPMENT			100%
4	MOTOR			PER CEC 220.50
5	KITCHEN			PER CEC 220.56
6	ELEVATOR			PER CEC 620.14
7	HVAC			100%
8	MISCELLANEOUS			100%
9	X-RAY			PER CEC 517.73(2)
10	MISC. CONTINUOUS			125%
11	EV CHARGER			100%

LOAD TYPE (NUMBER)	PANEL LOAD CALCULATION LOAD TYPE	CONNECTED LOAD	DEMAND LOAD	DEMAND FACTOR
1	RECEPTACLE	1.80 kVA	1.80 kVA	PER CEC 220.44
2	LIGHTING	0.96 kVA	1.20 kVA	125%
3	EQUIPMENT			100%
4	MOTOR			PER CEC 220.50
5	KITCHEN			PER CEC 220.56
6	ELEVATOR			PER CEC 620.14
7	HVAC			100%
8	MISCELLANEOUS			100%
9	X-RAY			PER CEC 517.73(2)
10	MISC. CONTINUOUS			125%
11	EV CHARGER			100%

Branch Panel: (N) ER2CB

VOLTAGE/PHASE/WIRE: 120/208, 3PH, 4W
 BUS RATING: 60 A
 FEED FROM: ER2CA

PRELIMINARY AIC: ENCLASURE TYPE: MOUNTING: SURFACE
 LOCATION: LOCATION:

CB OPT: ST - SHUNT TRIP
 AF - ARC FAULT CIRCUIT INTERRUPTER
 GF - GROUND FAULT CIRCUIT INTERRUPTER
 FR - 100% RATED
 LK - LOCKABLE
 RD - RED MARKING

DESCRIPTION	LOAD TYPE	AMP	P	CB OPT	CKT NO	A	B	C	A	B	C	CKT NO	CB OPT	P	AMP	LOAD TYPE	DESCRIPTION
RM 101, RM A102		1	20	1	1	0.90			0.96			2	1	20	2		LIGHTING
RM A100, RM A101		1	20	1	3	0.90			0.00			4	--	1	20	--	SPARE
TE-1	Motor	20	1	--	5			0.00	0.00			6	--	1	20	--	SPARE
SPARE		--	20	1	--	7	0.00		0.00			8	--	1	20	--	SPARE
SPARE		--	20	1	--	9			0.00			10	--	1	20	--	SPARE
SPARE		--	20	1	--	11			0.00			12	--	1	20	--	SPARE
SPARE		--	20	1	--	13	0.00		0.00			14	--	1	20	--	SPARE
SPARE		--	20	1	--	15			0.00			16	--	1	20	--	SPARE
SPARE		--	20	1	--	17			0.00			18	--	1	20	--	SPARE
SPARE		--	20	1	--	19	0.00		0.00			20	--	1	20	--	SPARE
SPARE		--	20	1	--	21			0.00			22	--	1	20	--	SPARE
SPARE		--	20	1	--	23			0.00			24	--	1	20	--	SPARE
SPARE		--	20	1	--	25	0.00		0.00			26	--	1	20	--	SPARE
SPARE		--	20	1	--	27			0.00			28	--	1	20	--	SPARE
SPARE		--	20	1	--	29			0.00			30	--	1	20	--	SPARE
SPARE		--	20	1	--	31	0.00		0.00			32	--	1	20	--	SPARE
SPARE		--	20	1	--	33			0.00			34	--	1	20	--	SPARE
SPARE		--	20	1	--	35			0.00			36	--	1	20	--	SPARE
SPARE		--	20	1	--	37	0.00		0.00			38	--	1	20	--	SPARE
SPARE		--	20	1	--	39			0.00			40	--	1	20	--	SPARE
SPARE		--	20	1	--	41			0.00			42	--	1	20	--	SPARE

LOAD TYPE (NUMBER)	PANEL LOAD CALCULATION LOAD TYPE	CONNECTED LOAD	DEMAND LOAD	DEMAND FACTOR
1	RECEPTACLE	1.80 kVA	1.80 kVA	PER CEC 220.44
2	LIGHTING	0.96 kVA	1.20 kVA	125%
3	EQUIPMENT			100%
4	MOTOR			PER CEC 220.50
5	KITCHEN			PER CEC 220.56
6	ELEVATOR			PER CEC 620.14
7	HVAC			100%
8	MISCELLANEOUS			100%
9	X-RAY			PER CEC 517.73(2)
10	MISC. CONTINUOUS			125%
11	EV CHARGER			100%

LOAD TYPE (NUMBER)	PANEL LOAD CALCULATION LOAD TYPE	CONNECTED LOAD	DEMAND LOAD	DEMAND FACTOR
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6	ELEVATOR			PER CEC 620.14
7	HVAC			100%
8	MISCELLANEOUS			100%
9	X-RAY			PER CEC 517.73(2)
10	MISC. CONTINUOUS			125%
11	EV CHARGER			100%

Branch Panel: (E) EL

VOLTAGE/PHASE/WIRE: 120/208, 3PH, 4W
 BUS RATING: 225 A
 FEED FROM: MAIN:

PRELIMINARY AIC: ENCLASURE TYPE: MOUNTING: SURFACE
 LOCATION: LOCATION:

CB OPT: ST - SHUNT TRIP
 AF - ARC FAULT CIRCUIT INTERRUPTER
 GF - GROUND FAULT CIRCUIT INTERRUPTER
 FR - 100% RATED
 LK - LOCKABLE
 RD - RED MARKING

DESCRIPTION	LOAD TYPE	AMP	P	CB OPT	CKT NO	A	B	C	A	B	C	CKT NO	CB OPT	P	AMP	LOAD TYPE	DESCRIPTION
		1			1							2					
		3			3							4					
		5			5							6					
		7			7							8					
		9			9							10					
		11			11							12					
		13			13							14					
		15			15							16					
		17			17							18					
		19			19							20					
		21			21							22					
		23			23							24					
		25			25							26					
		27			27							28					
		29			29							30					
		31			31							32					
		33			33							34					
		35			35							36					
		37			37							38					
		39			39							40					
		41			41							42					

LOAD TYPE (NUMBER)	PANEL LOAD CALCULATION LOAD TYPE	CONNECTED LOAD	DEMAND LOAD	DEMAND FACTOR
1	RECEPTACLE			PER CEC 220.44
2	LIGHTING			125%
3	EQUIPMENT			100%
4	MOTOR			PER CEC 220.50
5	KITCHEN			PER CEC 220.56
6	ELEVATOR			PER CEC 620.14
7	HVAC			100%
8	MISCELLANEOUS			100%
9	X-RAY			PER CEC 517.73(2)
10	MISC. CONTINUOUS			125%
11	EV CHARGER			100%

LOAD TYPE (NUMBER)	PANEL LOAD CALCULATION LOAD TYPE	CONNECTED LOAD	DEMAND LOAD	DEMAND FACTOR
1	RECEPTACLE	1.80 kVA	1.80 kVA	PER CEC 220.44
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4	MOTOR			PER CEC 220.50
5	KITCHEN			PER CEC 220.56
6	ELEVATOR			PER CEC 620.14
7	HVAC			100%
8	MISCELLANEOUS			100%
9	X-RAY			PER CEC 517.73(2)
10	MISC. CONTINUOUS			125%
11	EV CHARGER			100%

Branch Panel: (E) ER2CA

VOLTAGE/PHASE/WIRE: 120/208, 3PH, 4W
 BUS RATING: 125 A
 FEED FROM: MAIN:

PRELIMINARY AIC: ENCLASURE TYPE: MOUNTING: SURFACE
 LOCATION: LOCATION:

CB OPT: ST - SHUNT TRIP
 AF - ARC FAULT CIRCUIT INTERRUPTER
 GF - GROUND FAULT CIRCUIT INTERRUPTER
 FR - 100% RATED
 LK - LOCKABLE
 RD - RED MARKING

DESCRIPTION	LOAD TYPE	AMP	P	CB OPT	CKT NO	A	B	C	A	B	C	CKT NO	CB OPT	P	AMP	LOAD TYPE	DESCRIPTION
SPARE		--	20	1	--	1	0.00					2	--	1	20	--	SPARE
SPARE		--	20	1	--	3			0.00			4	--	1	20	--	SPARE
SPARE		--	20	1	--	5			0.00			6	--	1	20	--	SPARE
FC-1	Motor	20	1	--	7	0.00			0.00			8	--	1	20	--	SPARE
AD-1-1	Motor	20	1	--	9			0.00	0.00			10	--	1	20	--	SPARE
SPARE		--	20	1	--	11			0.00			12	--	1	20	--	SPARE
SPARE		--	20	1	--	13	0.00		0.00			14	--	1	20	--	SPARE
SPARE		--	20	1	--	15			0.00			16	--	1	20	--	SPARE
SPARE		--	20	1	--	17			0.00			18	--	1	20	--	SPARE
B-1	Motor	20	3		19	0.00			0.00			20	--	1	20	--	SPARE
		--	20	1	--	21			0.00			22	--	1	20	--	SPARE
		--	20	1	--	23			0.00			24	--	1	20	--	SPARE
		--	20	1	--	25	0.00		0.00			26	--	1	20	--	SPARE
B-2	Motor	20	3		27				0.00			28	--	1	20	--	SPARE
		--	20	1	--	29			0.00			30	--	1	20	--	SPARE
		--	20	1	--	31	0.00		0.00			32	--	1	20	--	SPARE
B-3	Motor	20	3		33				0.00			34	--	1	20	--	SPARE
		--	20	1	--	35			0.00			36	--	1	20	--	SPARE
		--	20	1	--	37	0.00		1.86			38	--	1	20	--	SPARE
B-4	Motor	20	3		39				0.00		0.90	40	--	1	20	--	SPARE
		--	20	1	--	41			0.00			42	--	1	20	--	SPARE

LOAD TYPE (NUMBER)	PANEL LOAD CALCULATION LOAD TYPE	CONNECTED LOAD	DEMAND LOAD	DEMAND FACTOR
1	RECEPTACLE	1.80 kVA	1.80 kVA	PER CEC 220.44
2	LIGHTING	0.96 kVA	1.20 kVA	125%
3	EQUIPMENT			100%
4	MOTOR			PER CEC 220.50
5	KITCHEN			PER CEC 220.56
6	ELEVATOR			PER CEC 620.14
7	HVAC			100%
8	MISCELLANEOUS			100%
9	X-RAY			PER CEC 517.73(2)
10	MISC. CONTINUOUS			125%
11	EV CHARGER			

GENERAL NOTES

TYPE	DESCRIPTION	MANUFACTURER	MANUFACTURER NUMBER	LAMPING	WATTS	DRIVER	VOLTAGE	APPLICATION
F1	LED 8" STRIP. CONTRACTOR TO SWITCH FIXTURE TO 4,000K AND 6,000 LUMENS	LITHONIA	CSS-196-AL04-MVOLT-SWW3-80CRI-8C36 M12	4000K LED, 80 CRI, 6,495 LUMENS	55.3	0-10V DIMMABLE	120-277	BACK OF HOUSE
F2	9" TALL X 11.5" WIDE, LED OUTDOOR WALL PACK WITH TYPE 3 DISTRIBUTION.	LITHONIA	WDGE2-P5-40K-80CRI-VV-MVOLT-SRM-FINISH	4000K LED, 80 CRI, 6,151 LUMENS	48	STATIC	120-277	ELECTRICAL / COOLING TOWER
F2A	8" TALL X 9" WIDE, LED OUTDOOR WALL PACK WITH WIDE DISTRIBUTION.	LITHONIA	WDGE1-P1-40K-80CRI-VV-MVOLT-SRM-DMG-FINISH	4000K LED, 80 CRI, 1,229 LUMENS	10	STATIC	120-277	BUILDING PERIMETER

NUMBERED NOTES

- 2001 PROVIDE WITH ASTRONOMICAL TIMELOCK SWITCH FOR EXTERIOR BUILDING MOUNTED LIGHTING CONTROL, PER T24 REQUIREMENTS.
- 2002 1000VA 120V LIGHTING INVERTER. ROUTE CIRCUIT FOR EMERGENCY LIGHTS THROUGH INVERTER.



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DRAFT - NOT FOR CONSTRUCTION

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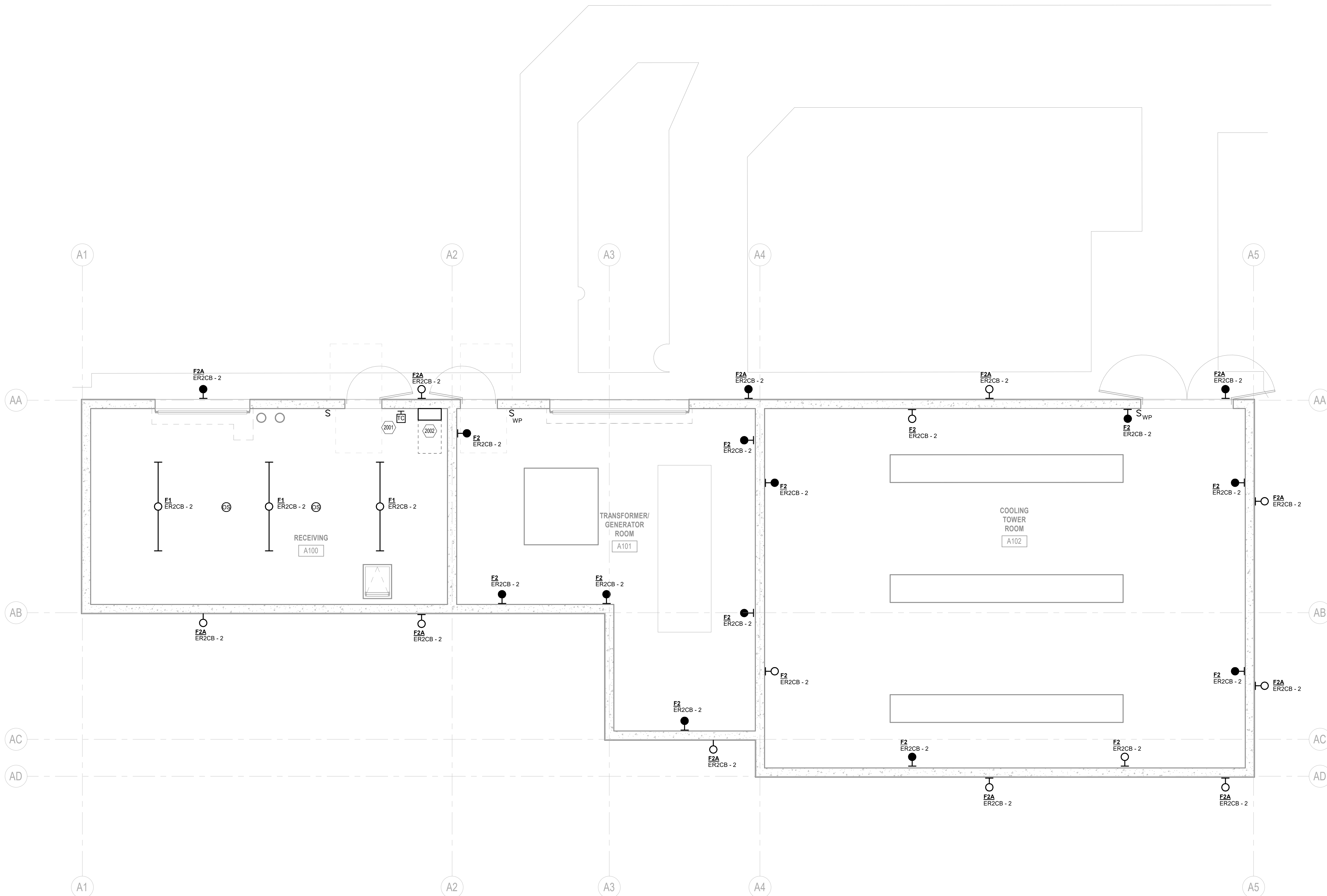
NO	DATE	BY	DESCRIPTION
	03-15-2021		100% DD SET
	04-14-2021		50% CD SET

REVISIONS

DRAWN: S&L CHECKED: S&L
 DATE: 03/15/2021 SCALE: As indicated
 PROJECT NUMBER: 2015800

LIGHTING PLAN - LEVEL 1 - BLDG A

DRAWING NUMBER: **E2.01**



1 LIGHTING PLAN - LEVEL 1 - BLDG A
 1/4" = 1'-0"

