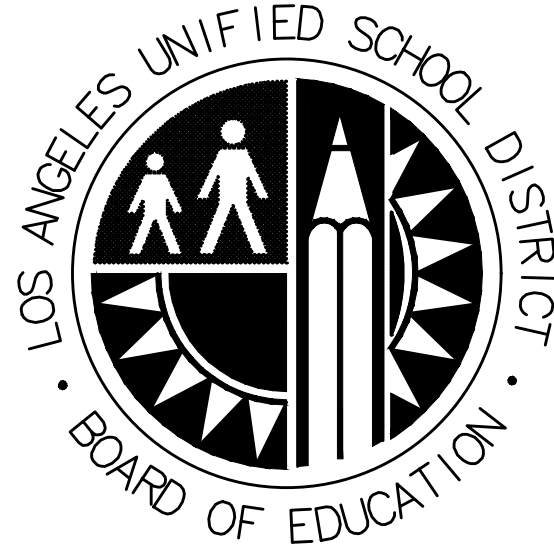


LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES CONSTRUCTION CONTRACTS

BID NO.	PROJECT NAME:	BID NO.
2610011	EVANS COMMUNITY ADULT SCHOOL	2610011
	DESCRIPTION:	
	ADA UPGRADES (PSA)	

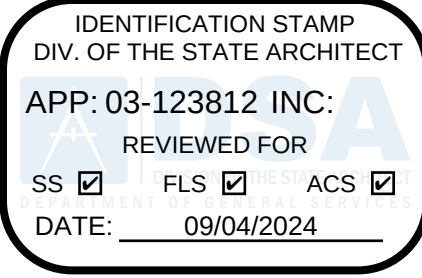


LOS ANGELES UNIFIED SCHOOL DISTRICT

EVANS CAS - ADA Upgrade & Bridge Removal

Colin ID: 10372448
Evans Community Adult School
717 North Figueroa Street
Los Angeles, California 90012

DSA APPL: 03-123812 FILE: 19-H16



LOS ANGELES UNIFIED
SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL

717 North Figueroa Street
Los Angeles, California 90012

COLIN NUMBER: 10372448

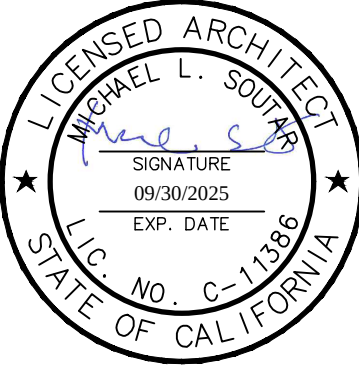
COMMISSIONED ARCHITECT

Architects McDonald, Soutar & Paz, Inc.

3575 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA 90807
TEL: (562) 427-9007 FAX: (562) 427-3007
ARCHITECTSMSP.COM

CONSULTANT

STAMPS/SEALS



100% SUBMITTAL

TITLE SHEET

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP

DRAWN: MSP CHECKED: MSP

SHEET NUMBER

T-1.0

DATE: 8.15.24 SHEET: 1 OF: 63

GENERAL NOTES

- ALL WORK SHALL COMPLY WITH THE REQUIREMENT OF 2022 EDITION OF TITLE 24 OF CALIFORNIA CODE OF REGULATION AND CBC.
- CONTRACTOR SHALL VERIFY ALL THE DIMENSIONS AND CONDITIONS AT THE JOB SITE PRIOR TO START OF WORK. ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCIES.
- CONTRACTOR SHALL PROTECT ALL SURFACES AND IMPROVEMENTS ON SITE FROM BEING DAMAGED DURING CONSTRUCTION.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS OFF SITE.
- PROVIDE BARRICADING AND PROTECTION.
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
- A DSA-CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
- ALLOWABLE SOIL PRESSURE 1,500 PSF.
- CUTTING, BORING, SAW CUTTING OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.
- THE DISTRICT, WITH THE ADVICE OF THE ARCHITECT OR STRUCTURAL ENGINEER, WILL SELECT, EMPLOY AND PAY FOR A TESTING LABORATORY APPROVED BY THE STRUCTURAL SAFETY SECTION OF THE DSA.
- A DSA-CERTIFIED CLASS 3 PROJECT INSPECTOR IS REQUIRED FOR THIS PROJECT.
- A DSA-ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(c), PART 1, TITLE 24, CCR)

APPLICABLE CODES

2022 BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.
2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24 C.C.R.
(2019 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (CEC), TITLE 24 C.C.R.
(2019 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)
2022 CALIFORNIA MECHANICAL CODE (CMC), TITLE 24 C.C.R.
(2019 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING & MECHANICAL OFFICIALS, IAPMO)
2022 CALIFORNIA PLUMBING CODE (CPC), TITLE 24, C.C.R.
(2019 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING & MECHANICAL OFFICIALS, IAPMO)
2022 CALIFORNIA ENERGY CODE, TITLE 24, C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), TITLE 24, C.C.R.
(2019 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)
2022 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R.
(2019 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 C.C.R.
2022 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24 C.C.R.

Partial List of Applicable Standards:

2022 CALIFORNIA BUILDING CODE (FOR SFM) REPRIEVED STANDARDS CHAPTER 35	
NFPA 13, Automatic Sprinkler System	2019 Edition
NFPA 14, Standpipe Systems	2019 Edition
NFPA 17, Dry Chemical Extinguishing Systems	2019 Edition
NFPA 17a, Wet Chemical Systems	2019 Edition
NFPA 20, Stationary Pumps	2019 Edition
NFPA 24, Private Fire Mains	2019 Edition
NFPA 72, National Fire Alarm Code, as Amended	2019 Edition
(Note See UL Standard 1971 for "Visual Devices")	
NFPA 80, Fire Door and Other Opening Protection	2019 Edition
NFPA 253, Critical Radiant Flux of Floor Covering Systems	2019 Edition
NFPA 2001, Clean Agent Fire Extinguishing Systems	2019 Edition

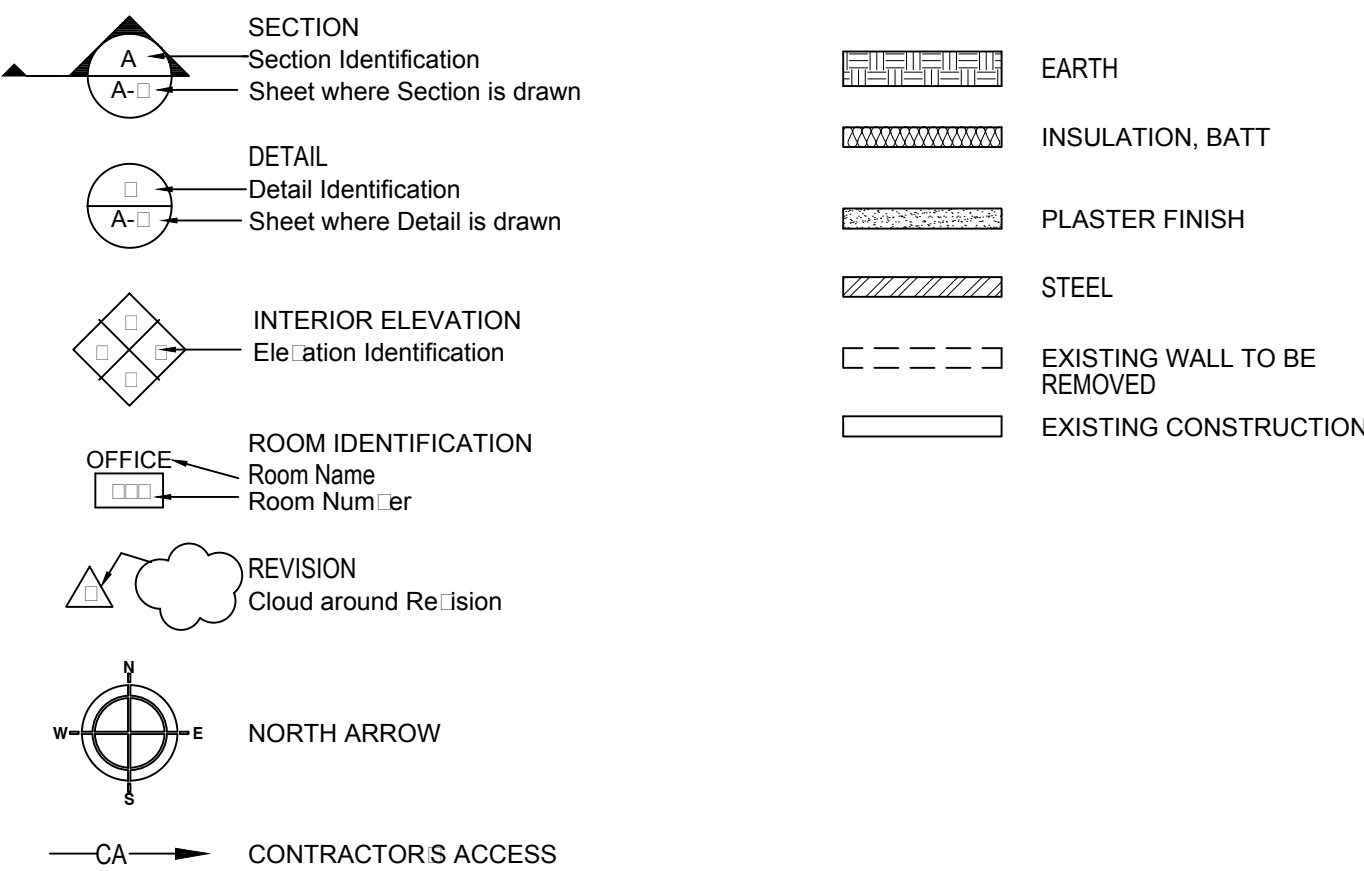
Reference section for NFPA Standards 2022 CBC (SFM) Chapter 35

ABBREVIATIONS

&	AND
□	AT
C	CENTER LINE
	DIAMETER OR ROUND
□	POUND OR NUMBER
(E)	EXISTING
(N)	NEW
(D)	DEMOLITION
AC	ACOUSTICAL
A/C	AIR CONDITIONING
ALT.	ALTERNATE
ALUM.	ALUMINUM
A.C.	ASPHALTIC CONCRETE
APPROX.	APPROXIMATE
ASB	ASBESTOS
ASPH.	ASPHALT
AUTO	AUTOMATIC
BM.	BEAM
BD.	BOARD
BLDG.	BUILDING
BLKG.	BLOCKING
BOT.	BOTTOM
CAB.	CABINET
C.B.	CATCH BASIN
CEM.	CEMENT
CER.	CERAMIC
C.I.	CAST IRON
CLG.	CEILING
CLR.	CLEAR
COMP.	COMPOSITION
CONC.	CONCRETE
CONN.	CONNECTION
CONT.	CONTINUOUS
CORR.	CORRIDOR
CTSK.	COUNTERSINK
CNTR.	COUNTER
C.S.B.	CONTRACTOR'S SECURITY
D.F.	DRINKING FOUNTAIN
DET.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DN.	DOWN
DS.	DOWNSPOUT
DWG.	DRAWING
EA.	EACH
E.J.	EXPANSION JOINT
ELEC.	ELECTRICAL
ELEV.	ELEVATION
ENCL.	ENCLOSURE
EQ.	EQUAL
THK.	THICK
EQUIP.	EQUIPMENT
EXIST.	EXHAUST
FIN.	FINISH
GL.	GLASS
GYP.	GYPSUM
GEN'L.	GENERAL
HWK.	HARDWARE
HVAC	HEATING, VENTILATING, & AIR CONDITIONING

HR.	HOUR
HT.	HEIGHT
INSUL.	INSULATION
INT.	INTERIOR
JAN.	JANITOR
KIT.	KITCHEN
LAM.	LAMINATED
LAV.	LAVATORY
LOC.	LOCATION
MAX.	MAXIMUM
MECH.	MECHANICAL
MET.	METAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MULL.	MULLION
N	NORTH
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OPP.	OPPOSITE
OPNG.	OPENING
P	PROPERTY LINE
PA	PLANTING AREA
PH	PANIC HARDWARE
PL.	PLATE
P.	PLASTIC
LAM.	LAMINATE
PLAS.	PLASTER
PLYWD.	PLYWOOD
R.	RADIUS
R.D.	ROOF DRAIN
REF.	REFERENCE
REINF.	REINFORCED
REQD.	REQUIRED
S.	SOUTH
SCHED.	SCHEDULE
SECT.	SECTION
SHT.	SHEET
SIM.	SIMILAR
SPEC.	SPECIFICATION
SQ.	SQUARE
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRUCT.	STRUCTURAL
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
T.C.	TOP OF CURB
THK.	THICK
T.P.	TOP OF PAVEMENT
T.W.	TOP OF WALL
TYP.	TYPICAL
TRESH.	THRESHOLD
V.C.T.	VINYL COMPOSITION TILE
VAR	VARIES
VERT. WD.	VERTICAL WOOD

SYMBOLS



SCOPE OF WORK SUMMARY

CAFETERIA / PARKING GARAGE BUILDING.

FIRST FLOOR - REMOVE EXISTING WALKWAY / BRIDGE, ADD NEW FENCING AT REMAINING EDGE OF DEMO AREA.
FIRST FLOOR - MEN & WOMEN RESTROOMS UPGRADE & REPLACEMENT OF ONE (1) D.F.
FIRST FLOOR - NEW DOUBLE DOORS AND PARTIAL REFLECTED CEILING REPLACEMENT.
PARKING GARAGE - RESTRIPIING AND ACCESSIBLE PARKINGS UPGRADE.
DOOR HARDWARE REPLACEMENT AT VARIOUS DOOR LOCATIONS.

CONSULTANTS

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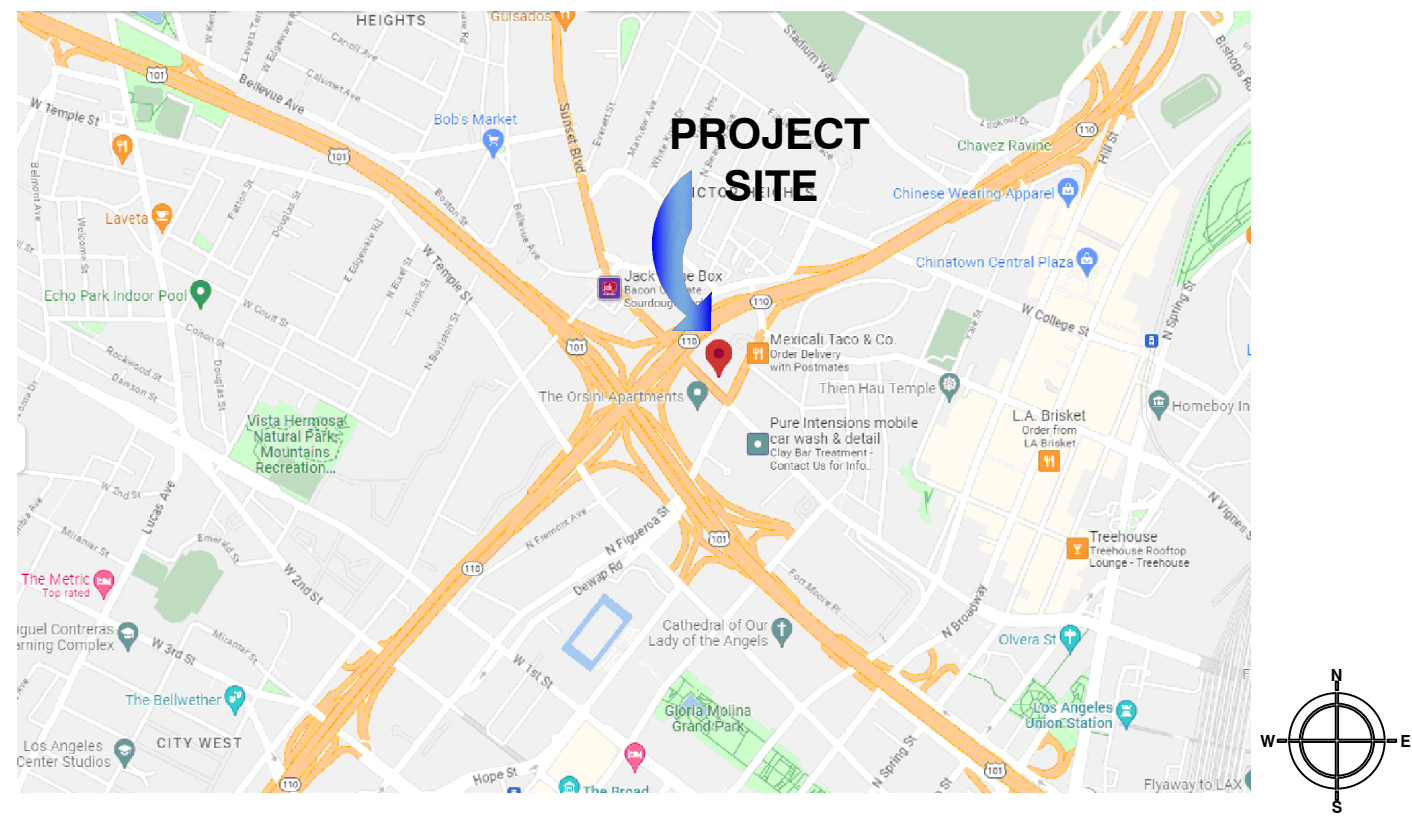
BUILDING DATA

APN:	5407-001-908
LOT: PARCEL AREA (SQFT):	110-410
PROPERTY TYPE:	PF-1XL, PUBLIC FACILITY (COMMUNITY ADULTS SCHOOL)
TYPE OF CONSTRUCTION:	IB
FIRE SPRINKLERED:	YES
EXISTING STORY ABOVE PARKING:	3 STORIES WITH MEZZANINE, SPRINKLERED
EXISTING OCCUPANCY:	A-2, B
EXISTING HEIGHT:	61'-0" ABOVE PARKING LEVEL
ALLOWABLE HEIGHT GROUP A/B/E:	180 FEET, SPRINKLERED
EXISTING PARKING LEVEL:	11'-3" TO 14'-5/8" PARTIALLY CUT INTO THE HILL., SPRINKLERED
PARKING GARAGE LEVEL USE:	S-2
EXISTING GARAGE LEVEL AREA:	15,651 SF.
ALLOWABLE AREA GROUP S-2:	316,000 SF., SPRINKLERED
EXISTING THIRD FLOOR AREA:	16,161 SF., NO CHANGE.
EXISTING SECOND FLOOR AREA:	16,161 SF., NO CHANGE.
EXISTING MEZZANINE FLOOR AREA:	5,650 SF., NO CHANGE.
EXISTING FIRST FLOOR AREA:	15,651 SF., PARTIAL ACCESSIBLE UPGRADE, SEE BELOW.
ALLOWABLE AREA GROUP A/B/E:	UL, SPRINKLERED
FIRST FLOOR ACCESSIBLE UPGRADE AREA:	454 SF.
REMOVAL OF EXTERIOR WALK WAY BRIDGE:	567 SF.

DSA INFORMATION

BUILDING	APPLICATION NUMBER	STATUS	CLOSE LETTER TYPE	CLOSED DATE
EVANS COMMUNITY ADULTSCHOOL	A:42546	3	1	10/11/1985

VICINITY MAP



FILE: W:\PC\Users\ariff\03-123812\2022-1322\10372448\19-H16\19-H16-100% SUBMITTAL\19-H16-100% SUBMITTAL-TITLE SHEET.dwg

SHEET INDEX

	SHEET NO.	SHEET DESCRIPTION		SHEET NO.	SHEET DESCRIPTION		SHEET NO.	SHEET DESCRIPTION		SHEET NO.	SHEET DESCRIPTION
GENERAL			STRUCTURAL								
01	T-1.0	TITLE SHEET	40	S-0.1	GENERAL NOTES						
02	T-1.1	SHEET INDEX	41	S-0.2	GENERAL NOTES						
			42	S-1.1	TYPICAL DETAILS						
		CIVIL	43	S-1.2	DETAILS						
03	C1.0	TITLE SHEET AND DETAILS	44	S-2.1	FOUNDATION PLAN						
04	C2.0	SITE DEMOLITION PLAN	45	S-2.2	FIRST FLOOR FRAMING PLAN						
05	C3.0	FINISH GRADING PLAN	46	S-3.1	ENLARGED PLANS						
06	C4.0	EROSION CONTROL PLAN	47	S-4.1	ELEVATIONS						
		LANDSCAPE			MECHANICAL						
07	L-100	PLANTING PLAN, PLANTING LEGEND AND PLANTING NOTES	48	M-1	MECHANICAL FIRST FLOOR PLAN						
08	L-101	PLANTING DETAILS									
09	L-200	IRRIGATION PLAN			ELECTRICAL						
10	L-201	IRRIGATION LEGEND AND NOTES	49	E-1	ELECTRICAL GENERAL NOTES, SYMBOLS, LEGEND AND SHEET INDEX						
11	L-202	IRRIGATION DETAILS	50	E-2	GARAGE LEVEL ELECTRICAL PLAN						
12	L-203	IRRIGATION DETAILS	51	E-3	FIRST FLOOR ELECTRICAL PLAN						
13	L-204	IRRIGATION DETAILS									
14	L-205	IRRIGATION CALCULATIONS			PLUMBING						
			52	P-0.1	PLUMBING GENERAL NOTES, SYMBOLS, LEGEND AND SHEET INDEX						
		ARCHITECTURAL	53	P-0.2	PLUMBING SCHEDULES						
15	A-1.0	OVERALL SITE PLAN	54	P-2.1	PLUMBING GARAGE FLOOR PIPING PLAN						
16	A-2.0	EXISTING GARAGE FLOOR PLAN	55	P-2.2	PLUMBING DEMOLITION FIRST FLOOR PIPING PLAN						
17	A-2.1	NEW GARAGE FLOOR PLAN	56	P-2.3	PLUMBING REMODELED FIRST FLOOR PIPING PLAN						
18	A-2.2	EXISTING FIRST FLOOR PLAN	57	P-3.1	PLUMBING RESTROOM ENLARGED PLAN						
19	A-2.3	NEW FIRST FLOOR PLAN	58	P-5.1	PLUMBING DETAILS - SHEET ONE						
20	A-2.4	ENLARGED FIRST FLOOR PLAN	59	P-5.2	PLUMBING DETAILS - SHEET TWO						
21	A-3.0	EXISTING AS BUILT WEST ELEVATION									
22	A-3.1	DEMOLITION OF WEST ELEVATION			FIRE ALARM						
23	A-3.2	REPAIR ON WEST ELEVATION	60	FA-1	FIRE ALARM GENERAL NOTES, SYMBOLS, LEGEND AND SHEET INDEX						
24	A-4.0	DEMO. AND CONSTRUCTION FIRST FLOOR RESTROOM PLAN	61	FA-2	FIRE ALARM SITE PLAN						
25	A-5.0	RESTROOM ELEVATIONS	62	FA-3	FIRE RISER DIAGRAM						
26	A-5.1	RESTROOM ELEVATIONS	63	FA-4	FIRE ALARM CALCULATIONF						
27	A-6.0	EXISTING FIRST FLOOR REFLECTED CEILING PLAN									
28	A-6.1	ENLARGED REFLECTED CEILING PLAN									
29	A-7.0	DOOR SCHEDULE & DETAILS									
30	A-7.1	FINISH SCHEDULE & DETAILS									
31	A-8.0	PARKING DETAILS									
32	A-8.1	FENCE DETAILS									
33	A-8.2	FENCE DETAILS									
34	A-9.0	RESTROOM DETAILS - FIXTURE & ACCESSORIES MOUNTING									
35	A-9.1	RESTROOM DETAILS									
36	A-9.2	DRINKING FOUNTAIN DETAILS									
37	A-9.3	SIGNAGE DETAILS									
38	A-9.4	CEILING DETAILS									
39	A-9.5	WALL DETAILS									
TOTAL NO. OF SHEETS:			63								

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123812 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024



LOS ANGELES UNIFIED
SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

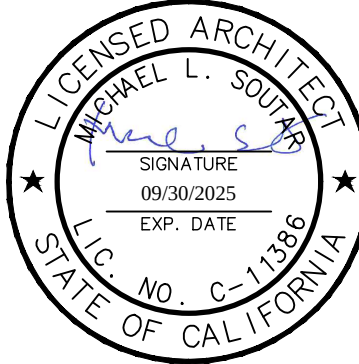
EVANS CAS -
ADA UPGRADES AND
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COLIN NUMBER: 10372448

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STAMPS/SEALS



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100% SUBMITTAL

SHEET TITLE:

SHEET INDEX

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: MSP CHECKED: MSP

SHEET NUMBER

T-1.1

DATE: 8.15.24 SHEET: 2 OF: 63

GENERAL NOTES:

- CONSTRUCT OFFSITE WORK TO COMPLY WITH THE REQUIREMENTS OF THE LOCAL GOVERNING AGENCY. SECURE AND PAY FOR REQUIRED CONSTRUCTION PERMITS.
- CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.
- GRADE LAWN, TURF, PLANTING AND AGRICULTURAL AREA 1 1/2" BELOW DESIGN GRADES INDICATED.
- ADJUST TO DESIGN GRADE TOP OF EXISTING VALVE BOXES WITHIN AREAS TO BE REGRADED.
- MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS. FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA, INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.
- UNOCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.

ABBREVIATIONS:

AC ASPHALT CONCRETE
ADDL ADDITIONAL
AFSR AUTOMATIC FIRE SPRINKLER
AGG AGGREGATE
APPROX APPROXIMATE
ARCH ARCHITECTURAL PLANS
BC BEGIN CURVE
BCR BEGIN CURB END
BLDG BUILDING
BM BENCH MARK
BOE BOTTOM OF EXCAVATION
BOS BOTTOM OF SLOPE
BS BOTTOM OF STEP
BW BACK OF WALK
CUT
CA CABLE
CAB CRUSHED AGGREGATE BASE
CATV CABLE TELEVISION
CB CATCH BASIN
CF CURB FACE
C&G CURB AND GUTTER
CIP CAST IRON PIPE
CL CENTERLINE, CHAIN LINK
CLR CLEAR
CMP CORRUGATED METAL PIPE
CO CLEAN OUT, COUNTRY
CONC CONCRETE
CONN CONNECTION, CONNECT

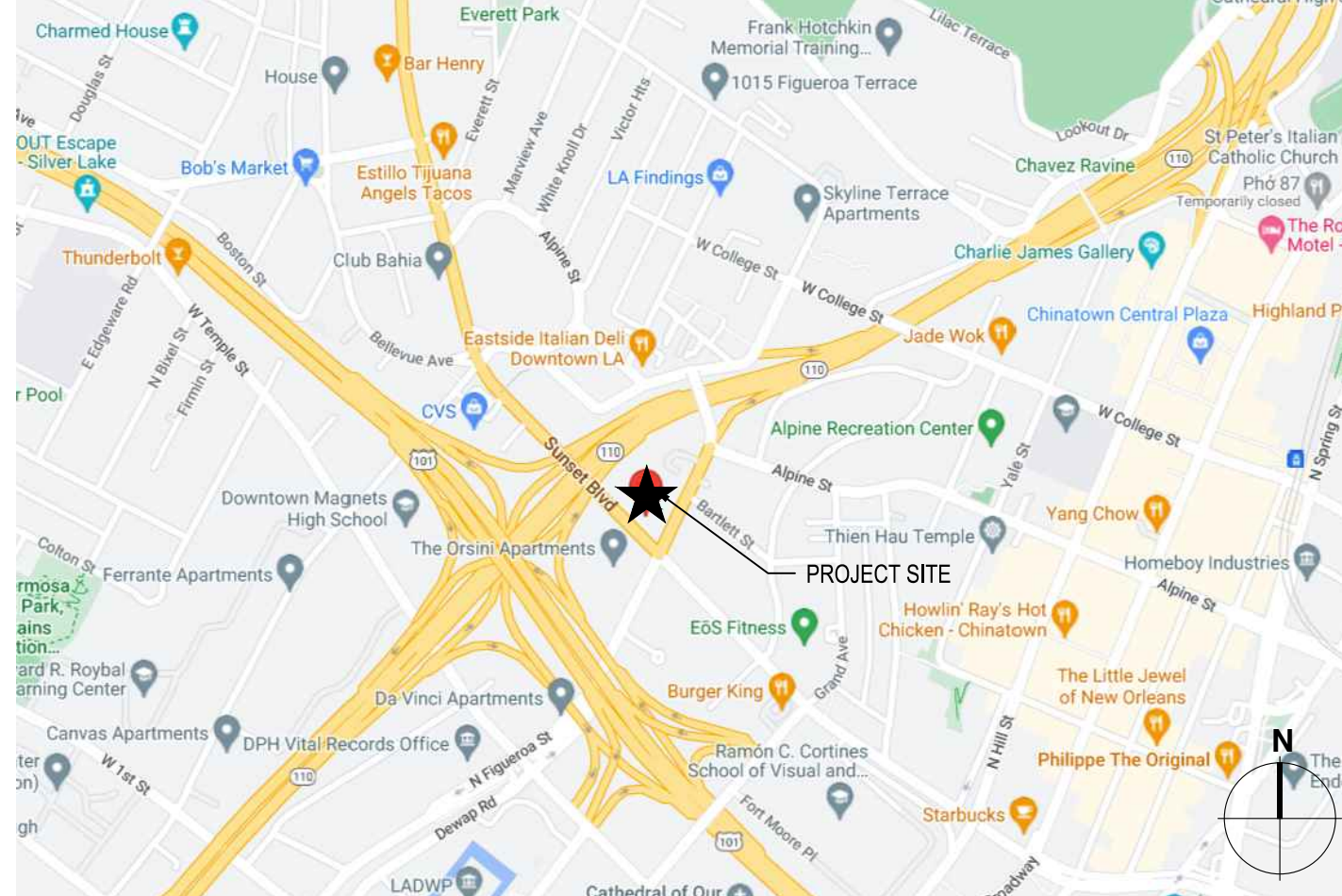
CONST CONSTRUCTION
CONT CONTINUATION
COR CORNER
CSP CORRUGATED STEEL PIPE
CY CUBIC YARDS
D DEPTH
DET DETAIL
DIA DIAMETER
DIP DUCTILE IRON PIPE
DS DOWNSPOUT
DW DOMESTIC WATER
DWG(S) DRAWING(S)
DWY DRIVEWAY
E EAST
EX EXISTING
EA EACH
ESMT EASEMENT
EX END CURVE
ECR END CURB RETURN
EG EDGE OF GUTTER
ELEV ELEVATION
ELEC ELECTRICAL
ELY EASTERLY
EP EDGE OF PAVEMENT
EQ EQUAL
EW EACH WAY
F FILL

FF FINISH FLOOR
FG FINISH GRADE
FH FIRE HYDRANT
FL FLOW LINE
FP FINISH PAD
FS FINISH SURFACE
FT FOOTING
FUT FUTURE
FW FIREWATER
G GAS
GA GAUGE
GALV GALVANIZED
GB GRADE BREAK
H HIGH, HEIGHT
HORIZ HORIZONTAL
HP HIGH POINT
HPFL HIGH POINT FLOWLINE
INV INVERT
INT INTERSECTION
INV INVERT
IRR IRRIGATION
L LENGTH
LADWP LOS ANGELES DEPT. OF WATER
AND POWER
LF LINEAR FOOT

MAX MB
MC MIDDLE OF CURVE
MIN MINIMUM
MISC MISCELLANEOUS
MOD MODIFIED
N NORTH
NA NOT APPLICABLE
NIC NOT IN CONTRACT
NLY NORTHERLY
NO NUMBER, NORTH
NTS NOT TO SCALE
Ø DIAMETER
OC ON CENTER
OPNG OPENING
PA PLANTING AREA
PD PLANTER DRAIN
PCC PORTLAND CEMENT CONCRETE
POINT OF COMPOUND CURVE
PKG PARKING
PM PARCEL MAP
POC POINT OF CURVE
POINT OF CONNECTION
PIV POST INDICATOR VALVE
PRC POINT OF REVERSE CURVE
PROD PRODUCT LINE

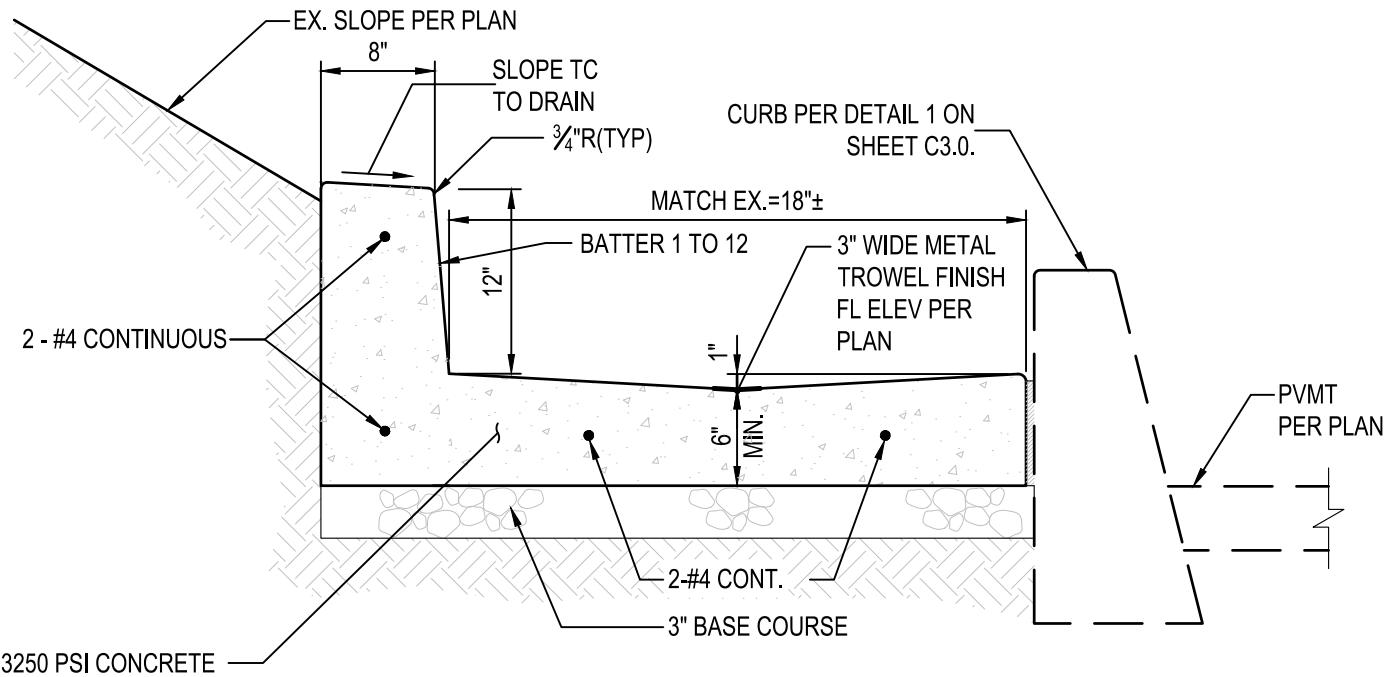
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PT POINT
PVC POLYVINYL CHLORIDE
PVMT PAVEMENT
POT PATH OF TRAVEL
R RIDGE LINE, RADIUS, RATE
RAD RADIAL
REINF REINFORCED
RET RETAINING
REQD REQUIRED
REV REVISED, REVISION
ROW RIGHT OF WAY
S SLOPE, SEWER, SOUTH
SD STORM DRAIN
SHT SIDEWALK
SHT SHEET
SIM SIMILAR
SL STREET LIGHT
SLY SOUTHERLY
SO SOUTH
SPEC SPECIFICATION
SS SANITARY SEWER
STA STATION
STD STANDARD
STL STEEL
SYMM SYMMETRICAL

T TANGENT
TAD TOP OF AREA DRAIN
TC TOP OF CURB
TCB TOP OF CATCH BASIN
TELE TELEPHONE
TEMP TEMPORARY
TF TOP OF FENCE
TFTG TOP OF FOOTING
TG TOP OF GRATE
TH TOP OF HEADER
THK THICK
TMH TOP OF MANHOLE
TMS TOP OF MOW STRIP
TOS TOP OF SLOPE
TR TRACT
TS TOP OF STEP
TTD TOP OF TRENCH DRAIN
TW TOP OF WALL
TYP TYPICAL
VAR VARIABLE
VCP VITRIFIED CLAY PIPE
VERT VERTICAL
W WATER, WIDTH, WEST
W/ WITH
WLY WESTERLY
WM WATER METER
XING CROSSING



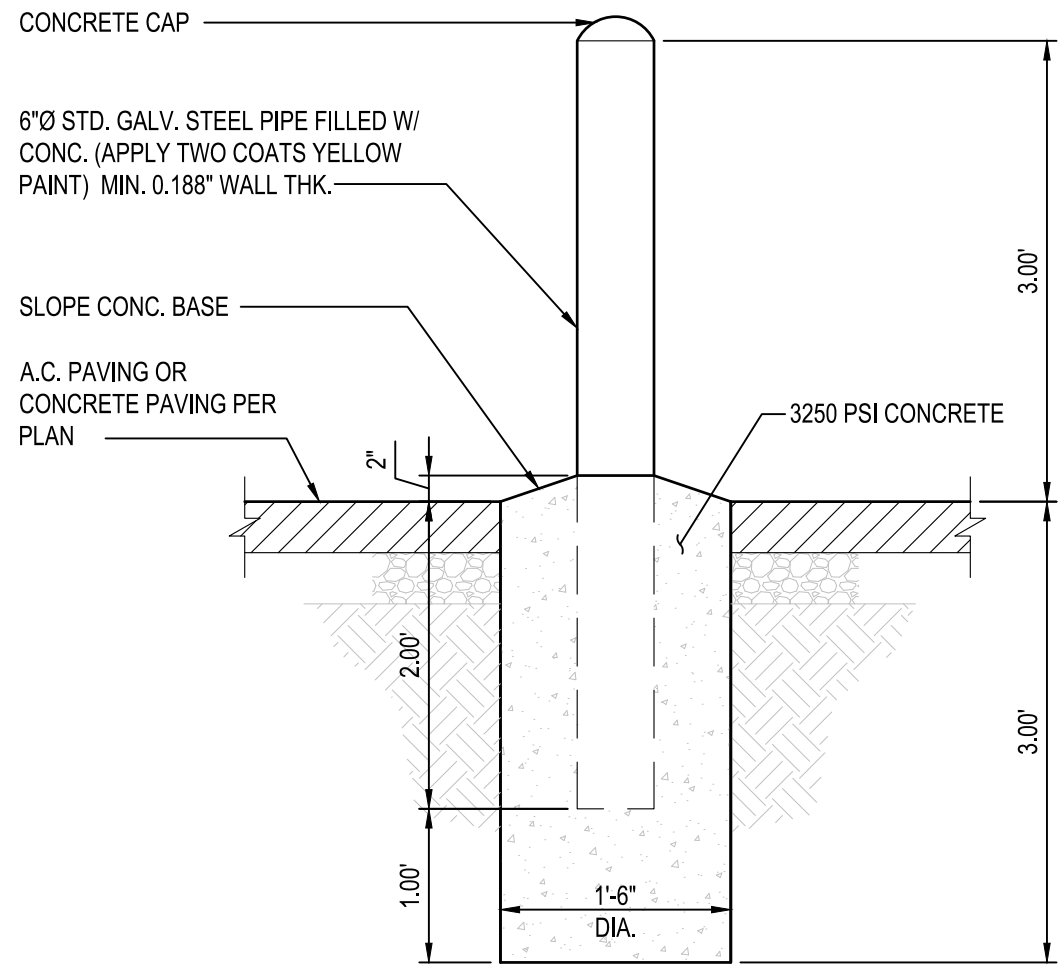
VICINITY MAP

SCALE:
N.T.S.



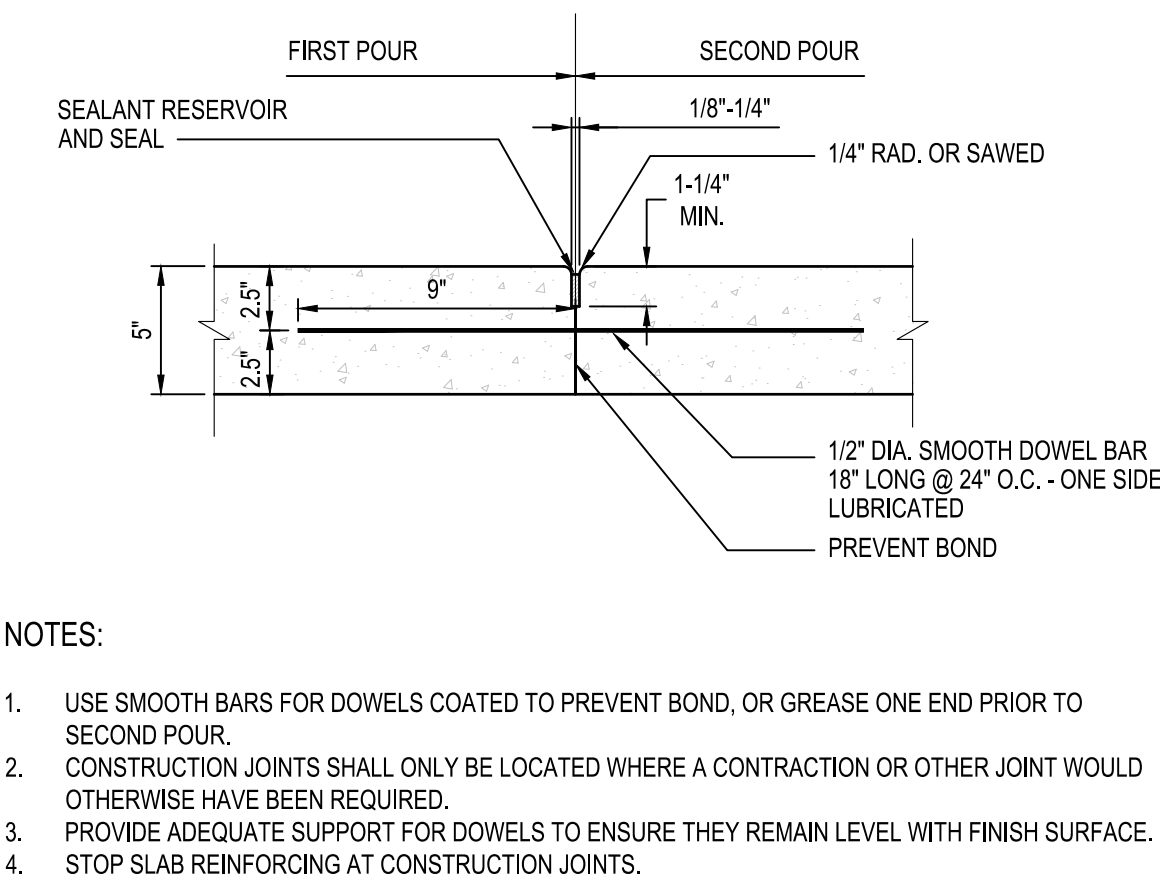
MONOLITHIC CONCRETE CURB & GUTTER

8



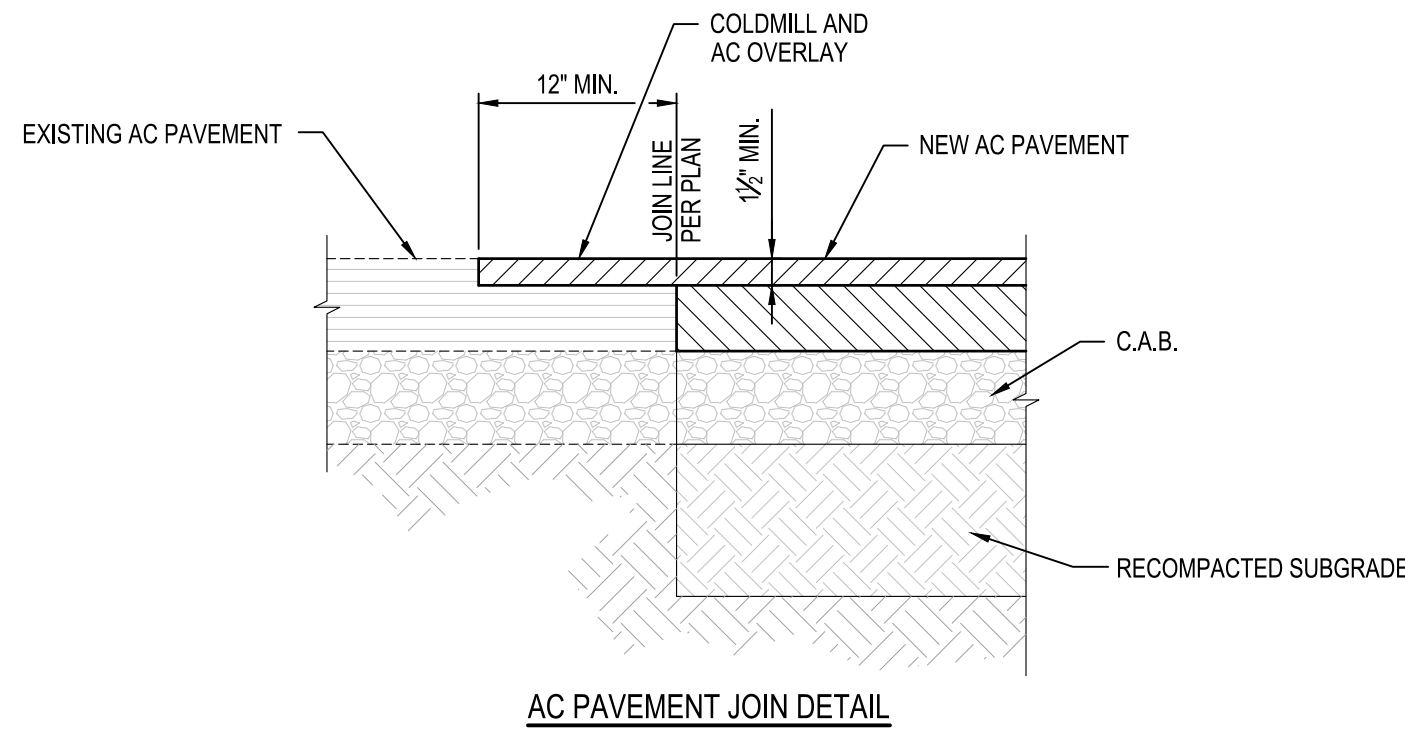
BOLLARD

6



CONSTRUCTION JOINT

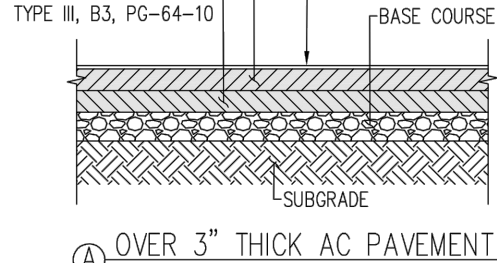
3



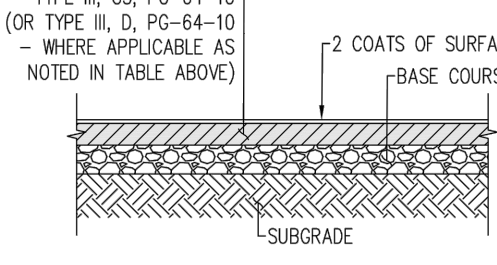
AC PAVEMENT JOIN DETAIL

LOCATION	THICKNESS	MIX	BASE COURSE			GRADE
			EXISTING	NEW UNPAVED	TYPE	
PAVED SLOPE	2"	TYPE III, D, PG-64-10	NONE	NONE	NONE	NONE
BETWEEN BUILDINGS	2"	TYPE III, C3, PG-64-10*	3"	4"	CAB	FINE
PLAYGROUND	2"	TYPE III, C3, PG-64-10*	3"	4"	CAB	FINE
PARKING TRUCK LANE	4"	TYPE III, C3, PG-64-10*	2"	4"	CAB	FINE
DRIVEWAY FOR TRASH & DELIVERY TRUCKS	4"	TYPE III, C3, PG-64-10	6"	6"	CAB	FINE

* FOR TIGHT SPACES WHERE VEHICULAR ACCESS IS NOT FEASIBLE AND HAND COMPACTOR IS NECESSARY, USE TYPE III, CLASS D, PG-64-10 MIX.



OVER 3" THICK AC PAVEMENT



3" THICK OR LESS AC PAVEMENT



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FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
CIVIL ENGINEERING AND SITE DETAILS
TYPICAL AC PAVEMENT SECTION

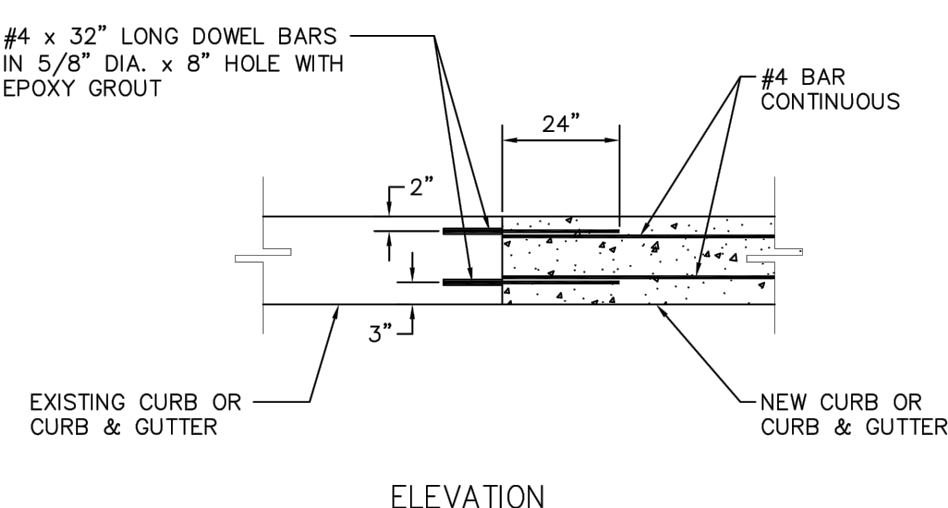
DRAWING NO.
C-203
DATE: JUNE 23, 2020

ASPHALT PAVEMENT AND JOIN

1

INDEX:

SHEET NO.	SHEET TITLE
C1.0	TITLE SHEET AND DETAILS
C2.0	SITE DEMOLITION PLAN
C3.0	FINISH GRADING PLAN
C4.0	EROSION CONTROL PLAN



(N) CURB TO (E) CURB CONNECTION
NOT TO SCALE

X
C-X

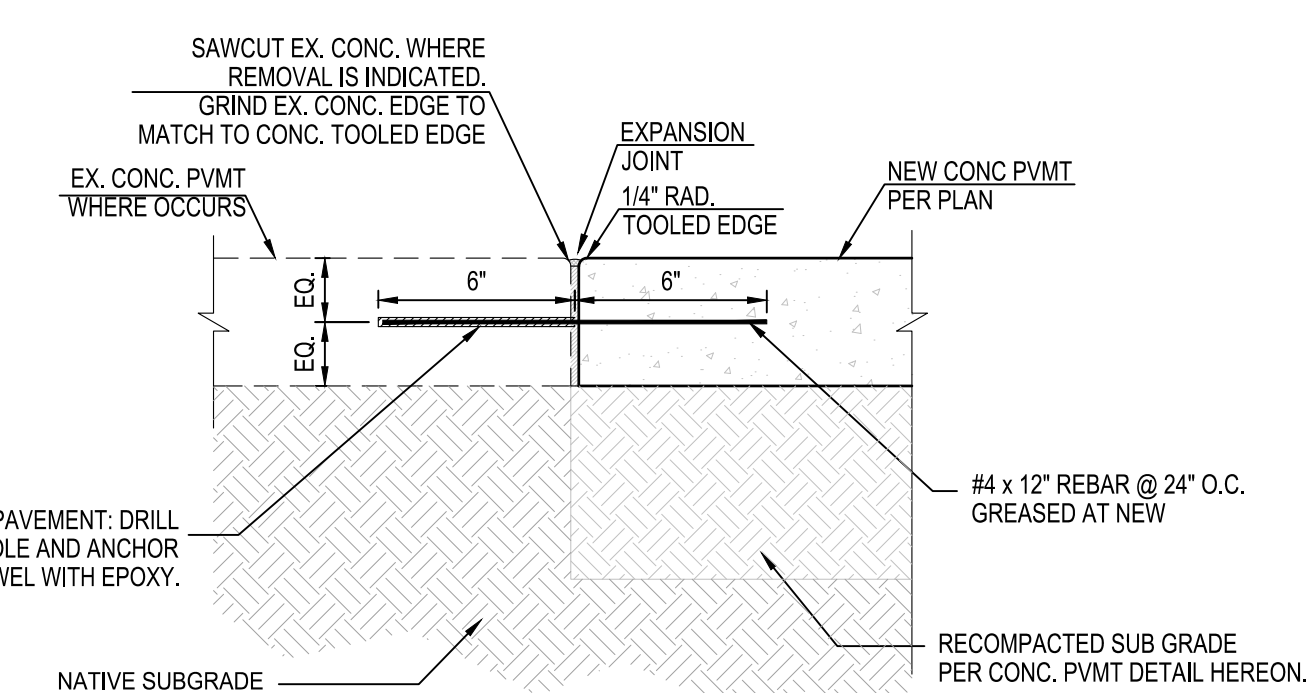


LOS ANGELES UNIFIED SCHOOL DISTRICT
FACILITIES SERVICES DIVISION
STANDARD TECHNICAL DRAWINGS
CIVIL ENGINEERING AND SITE DETAILS
(N) CURB TO (E) CURB CONNECTION

DRAWING NO.
C-200
DATE: JAN. 1, 2013

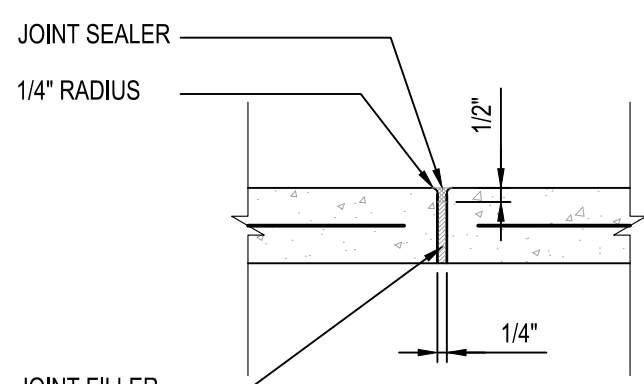
CONCRETE CURB

7



CONCRETE JOINT TO EX. CONCRETE

5

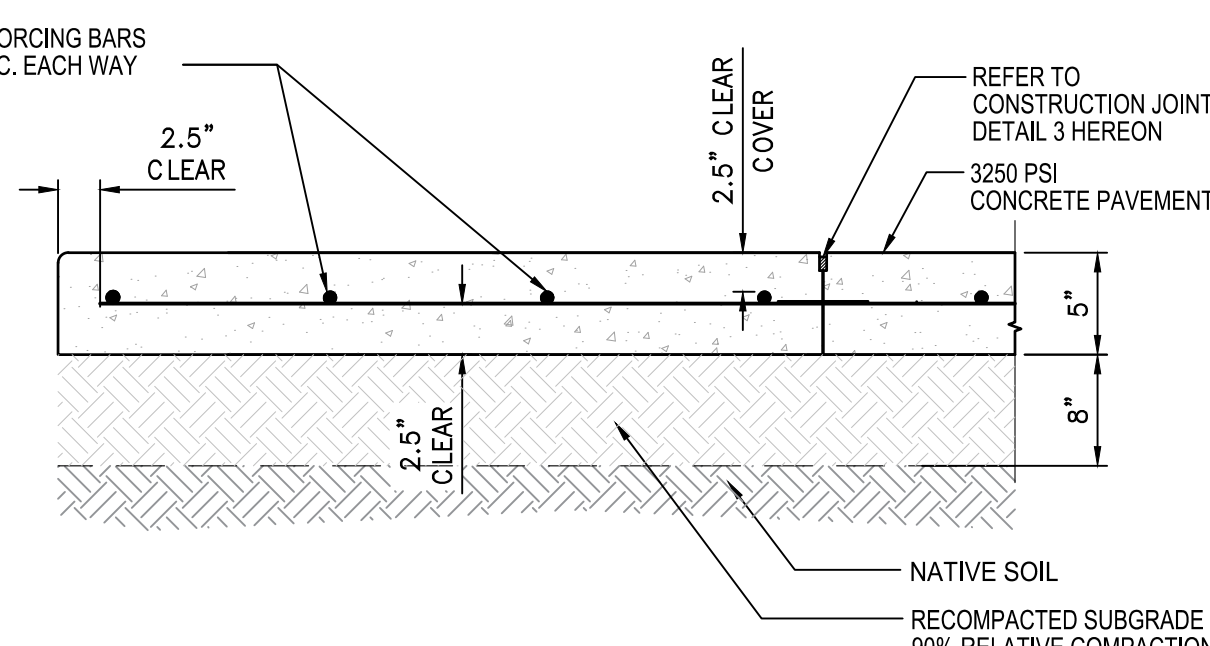


JOINT FILLER:

PER ASTM D1751; ASPHALT IMPREGNATED FIBERBOARD OR FELT, 0.25-INCH THICK; TONGUE AND GROOVE PROFILE, EXTERIOR USE ONLY.
PER ASTM D1752; PREMOLDED SPONGE RUBBER FULLY COMPRESSIBLE WITH RECOVERY RATE OF MIN. 95 PERCENT.
SEALANT:
ASTM C309, ACRYLIC COPOLYMER, HIGH SOLID CURING AND SEALING COMPOUND.

ISOLATION JOINT

4



NOTES:

- SEE DETAILS 3 AND 4 HEREON FOR JOINT CONSTRUCTION.
- SEE SPECIFICATIONS FOR TYPE OF JOINT SEALANT AND JOINT FILLER.
- SPACING OF CONTROL JOINTS PER TABLE HEREON.
- STOP SLAB REINFORCING AT EXPANSION JOINT.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO PLACING CONCRETE. NEW JOINTS SHALL MATCH EXISTING JOINTS LOCATIONS.

JOINT FILLER:

- PER ASTM D1751; ASPHALT IMPREGNATED FIBERBOARD OR FELT, 0.25-INCH; TONGUE AND GROOVE PROFILE, EXTERIOR USE ONLY.
- PER ASTM D1752; PREMOLDED SPONGE RUBBER FULLY COMPRESSIBLE WITH RECOVERY RATE OF MIN. 95% PERCENT.
- SEALANT: ASTM C309, ACRYLIC POLYMER, HIGH SOLID CURING AND SEALING COMPOUND.

SUGGESTED SPACING OF CONTROL JOINTS:

PAVEMENT/SLAB THICKNESS (IN)	LESS THAN 3/4" INCH AGGREGATE: SPACING (FT)	LARGER THAN 3/4" INCH AGGREGATE: SPACING (FT)	SLUMP LESS THAN 4 IN: SPACING (FT)
5	10	13	15

GIVEN SPACING ALSO APPLY TO THE DISTANCE FROM CONTROL JOINTS TO PARALLEL ISOLATION JOINTS OR TO PARALLEL CONSTRUCTION JOINTS.

PEDESTRIAN CONCRETE PAVEMENT

2

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FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

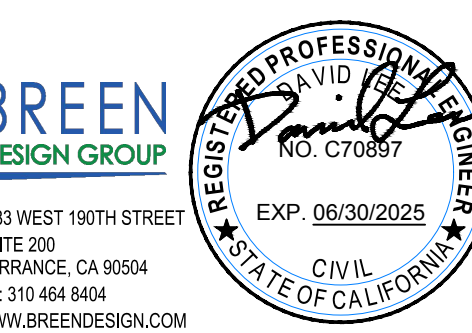
PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

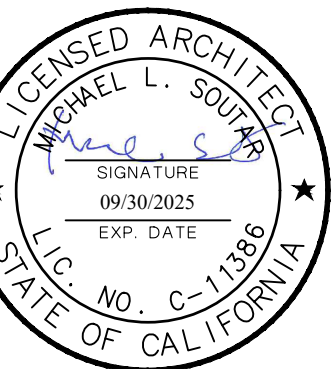
COMMISSIONED ARCHITECT

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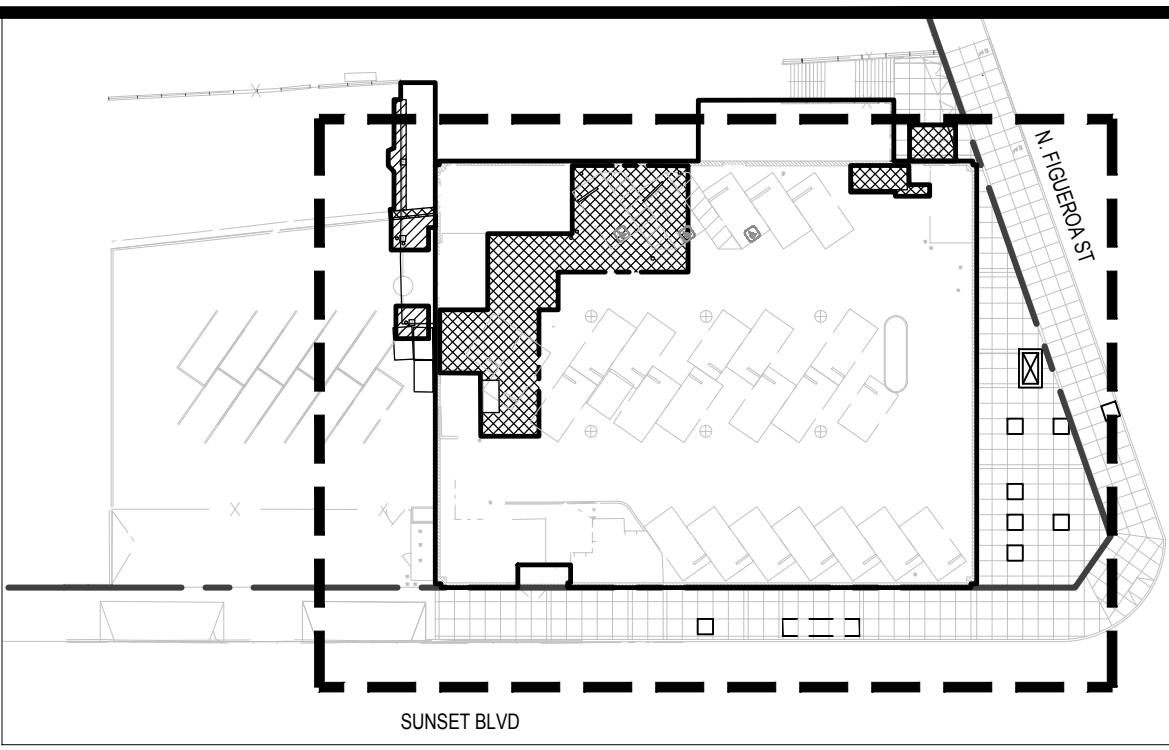
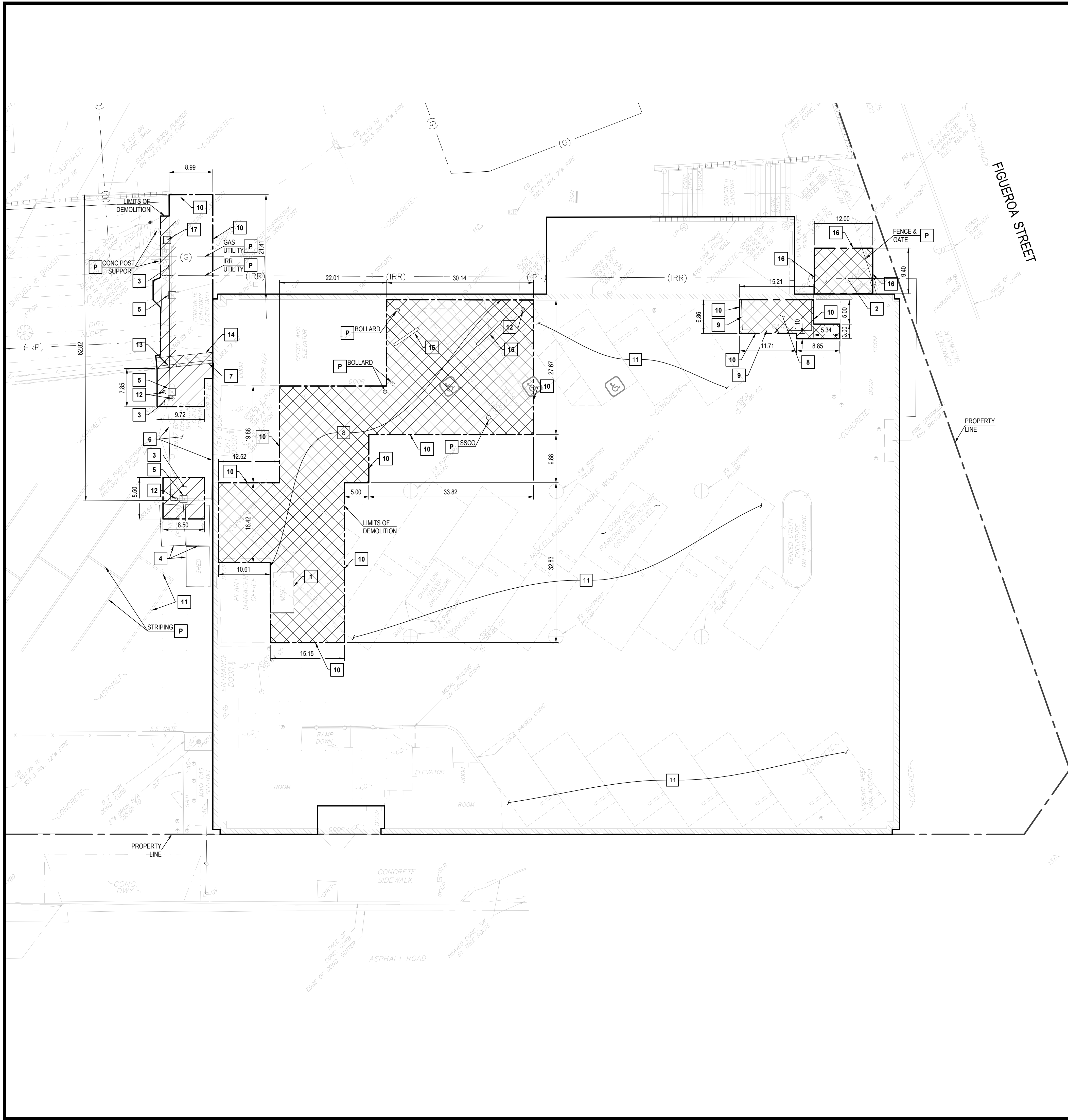
SHEET TITLE:

TITLE SHEET AND
DETAILS

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: BDG CHECKED: EF
SHEET NUMBER

C1.0

DATE: 12.07.23 SHEET: 3 OF: 63
PRINTED DATE: February 27, 2024

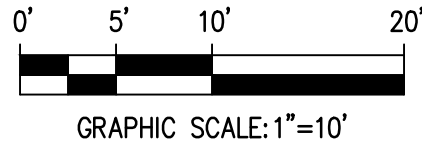
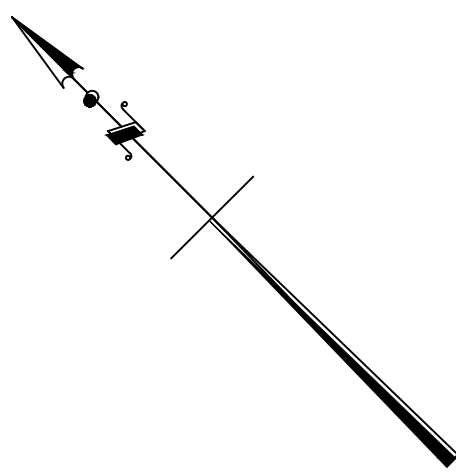


DEMOLITION NOTES:

- PROTECT IN PLACE.
- RELOCATE METAL SHED PER ARCHITECTURAL DRAWINGS.
- REMOVE 4" REINFORCED CONCRETE PAVEMENT AND 2" ROCK BASE. SAWCUT TO NEAREST JOINT.
- REMOVE 3.5" ASPHALT CONCRETE PAVEMENT AND REDWOOD HEADER EDGE.
- TEMPORARILY RELOCATE STEEL CONTAINER DURING DEMOLITION AND CONSTRUCTION. STEEL CONTAINER TO BE REPLACED BACK TO ORIGINAL LOCATION ONCE CONSTRUCTION HAS COMPLETED.
- REMOVE STEEL POST AND 3-FT DEEP CONCRETE PEDESTAL FOOTING.
- REMOVE OVERHEAD STRUCTURE. REFER TO STRUCTURAL DRAWINGS.
- REMOVE CONCRETE CURB.
- REMOVE 5" REINFORCED CONCRETE SLAB ON GRADE PER STRUCTURAL SHEET S2.1. SCARIFY AND RECOMPACT UPPER 8" SUBGRADE.
- REMOVE EXISTING FENCE ENCLOSURE, POST, AND FOOTINGS.
- SAWCUT 5" REINFORCED CONCRETE PAVEMENT.
- SANDBLAST EXISTING CONCRETE PAVEMENT STRIPING. REFER TO ARCHITECTURAL DRAWINGS FOR PROPOSED STRIPING PLAN.
- REMOVE PROTECTIVE BOLLARD AND FOUNDATION.
- REMOVE 2-FT HIGH CONCRETE WALL AND FOUNDATION.
- SAWCUT AT JOIN LIMIT AND REMOVE 18" WIDE CONCRETE GUTTER.
- REMOVE CONCRETE WHEEL STOPS.
- SAWCUT 4" REINFORCED CONCRETE PAVEMENT TO NEAREST PAVEMENT JOINT.
- REMOVE CONCRETE POST AND 3-FT DEEP CONCRETE PEDESTAL FOOTING.

LEGENDS:

DEMOLITION LIMITS	---
CONCRETE REMOVAL	XXXXXX
ASPHALT REMOVAL	XXXXXX



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333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

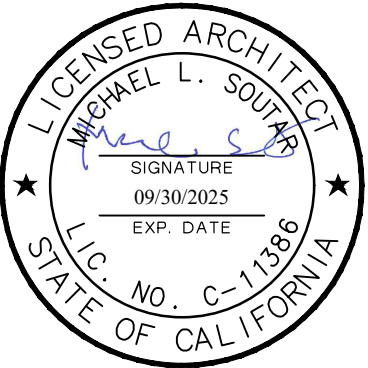
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Los Angeles, California 90012
COLIN NUMBER: 10372448

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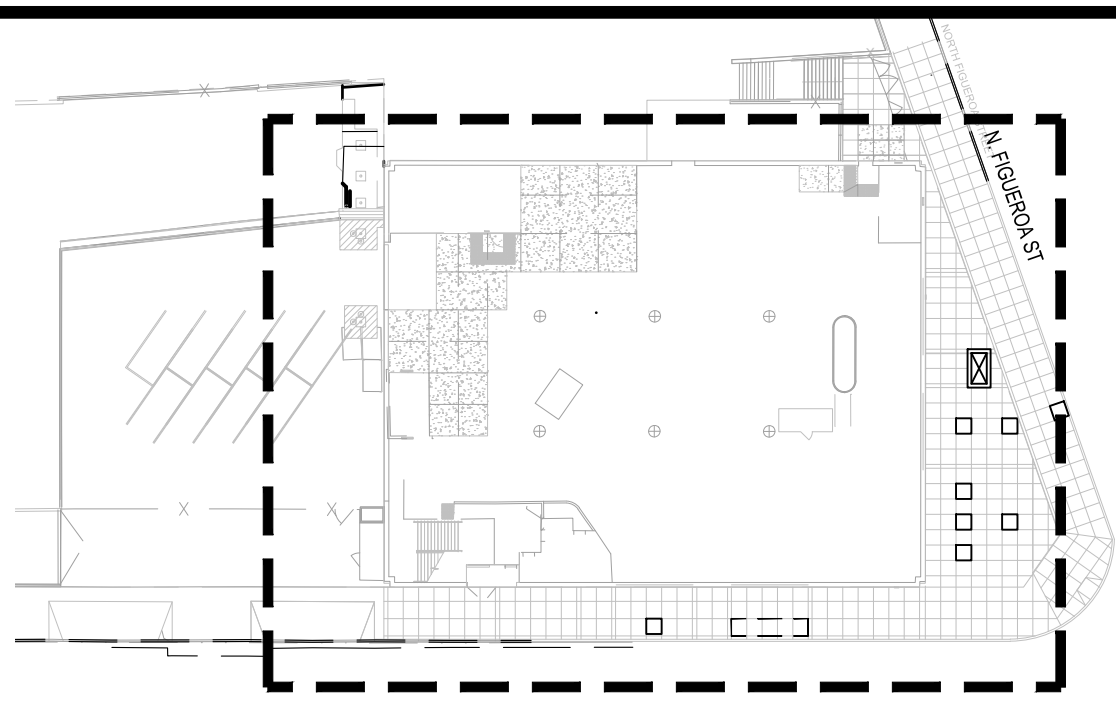
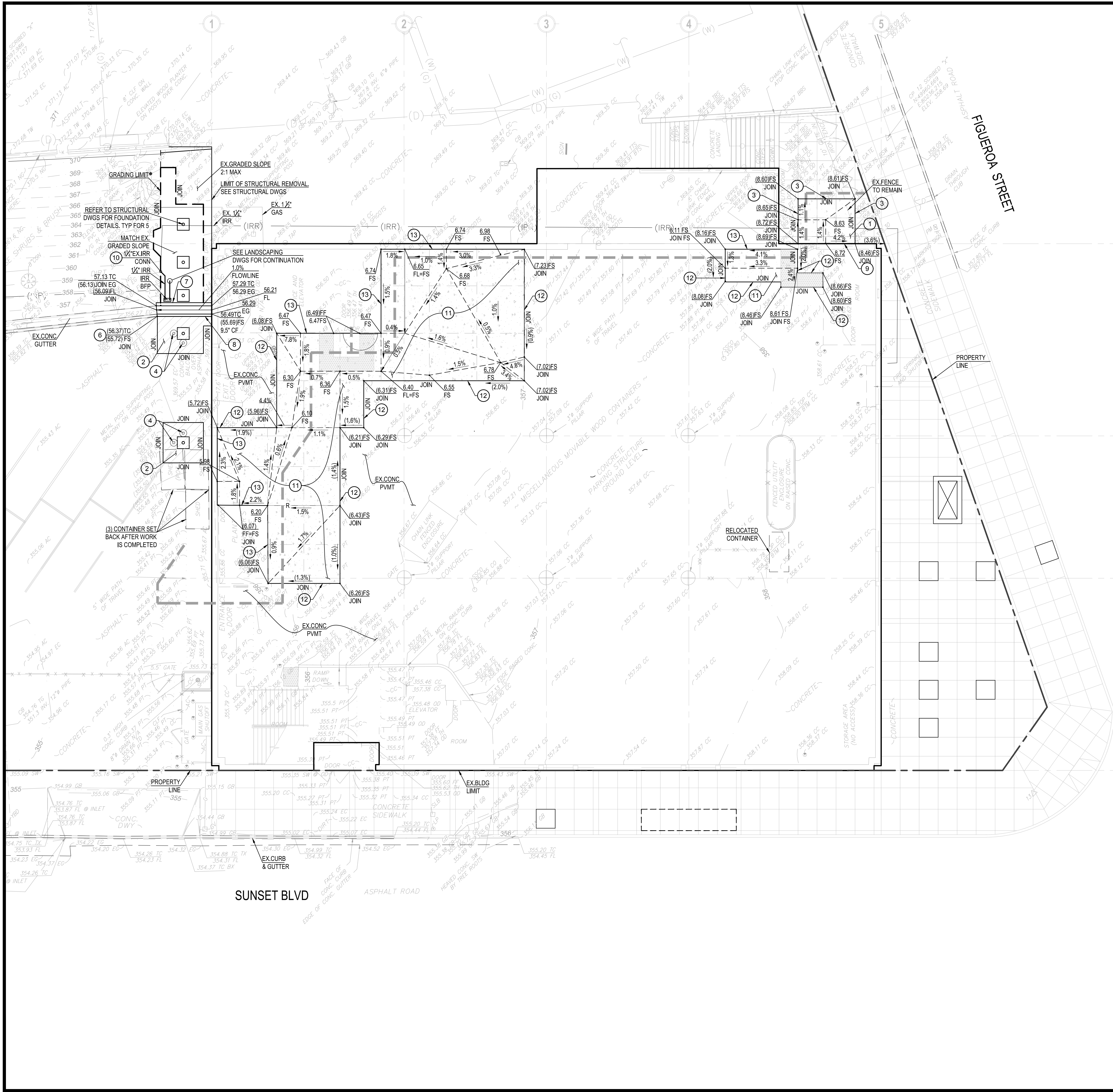
SITE DEMOLITION
PLAN

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: BDG CHECKED: EF
SHEET NUMBER

C2.0

DATE: 12.07.23 SHEET: 4 OF: 63

PRINTED DATE: A 11 30, 2024



KEY MAP
SCALE 1" = 50'

CONSTRUCTION NOTES:

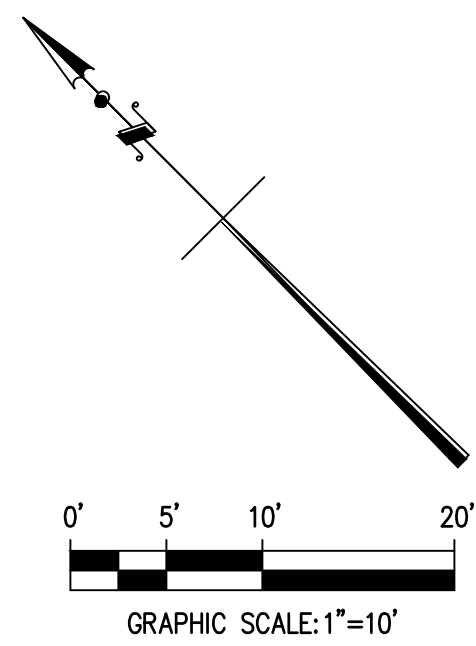
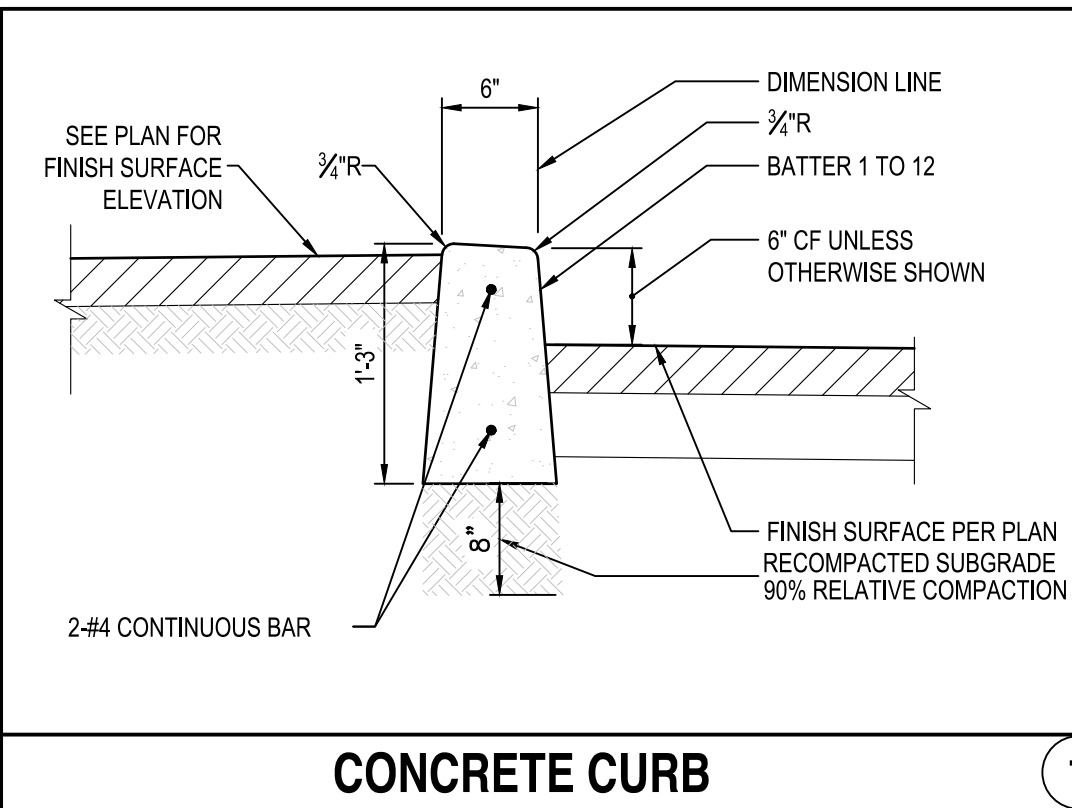
1. ADD 350' TO ALL ELEVATIONS TO OBTAIN PROPER DATUM.
2. REFER TO ARCHITECTURAL PLANS FOR ALL PARKING STRIPING, SIGNAGE, TRUNCATED DOME, BOLLARD, AND WHEEL STOP DETAILS.

CONSTRUCTION NOTES:

1. CONSTRUCT CONCRETE PAVEMENT PER DETAIL 2 ON SHEET C1.0.
2. CONSTRUCT ASPHALT CONCRETE PAVEMENT AND JOIN PER DETAIL 1 ON SHEET C1.0.
3. CONSTRUCT PAVEMENT JOINT PER DETAIL 5 ON SHEET C1.0.
4. CONSTRUCT PROTECTIVE BOLLARD PER DETAIL 6 ON SHEET C1.0.
6. JOIN EXISTING CONCRETE CURB PER DETAIL 7 ON SHEET C1.0.
7. CONSTRUCT MONOLITHIC CURB AND GUTTER PER DETAIL 8 ON SHEET C1.0.
8. CONSTRUCT CONCRETE CURB PER DETAIL 1 HEREON.
9. CONSTRUCT CONCRETE ISOLATION JOINT PER DETAIL 4 ON SHEET C1.0.
10. CONNECT TO EXISTING IRRIGATION WATER UTILITY AND CONSTRUCT UNDERGROUND PIPES AND IRRIGATION BACKFLOW AS SHOWN. REFER TO LANDSCAPE IRRIGATION DRAWINGS.
11. CONSTRUCT CONCRETE SLAB ON GRADE. REFER TO STRUCTURAL SHEET S2.1.
12. CONSTRUCT PAVEMENT JOINT. REFER TO STRUCTURAL SHEET S2.1.
13. CONSTRUCT CONCRETE ISOLATION JOINT. REFER TO STRUCTURAL SHEET S2.1.

LEGENDS:

- ASPHALT CONCRETE PAVEMENT
- CONCRETE PAVEMENT
- TRUNCATED DOMES
- EXISTING CONTOUR
- FLOW LINE
- RIDGE LINE
- GRADE CHANGE
- PATH OF TRAVEL
- SPOT ELEVATION
- EXISTING SPOT ELEVATION



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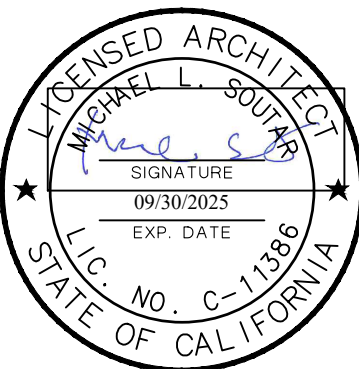
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PH: 310.461.8404
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REGISTERED PROFESSIONAL ENGINEER
MICHAEL L. SOUTAR
NO. C70897
EXP. 06/30/2025
CIVIL
STATE OF CALIFORNIA

STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

FINISH GRADING
PLAN

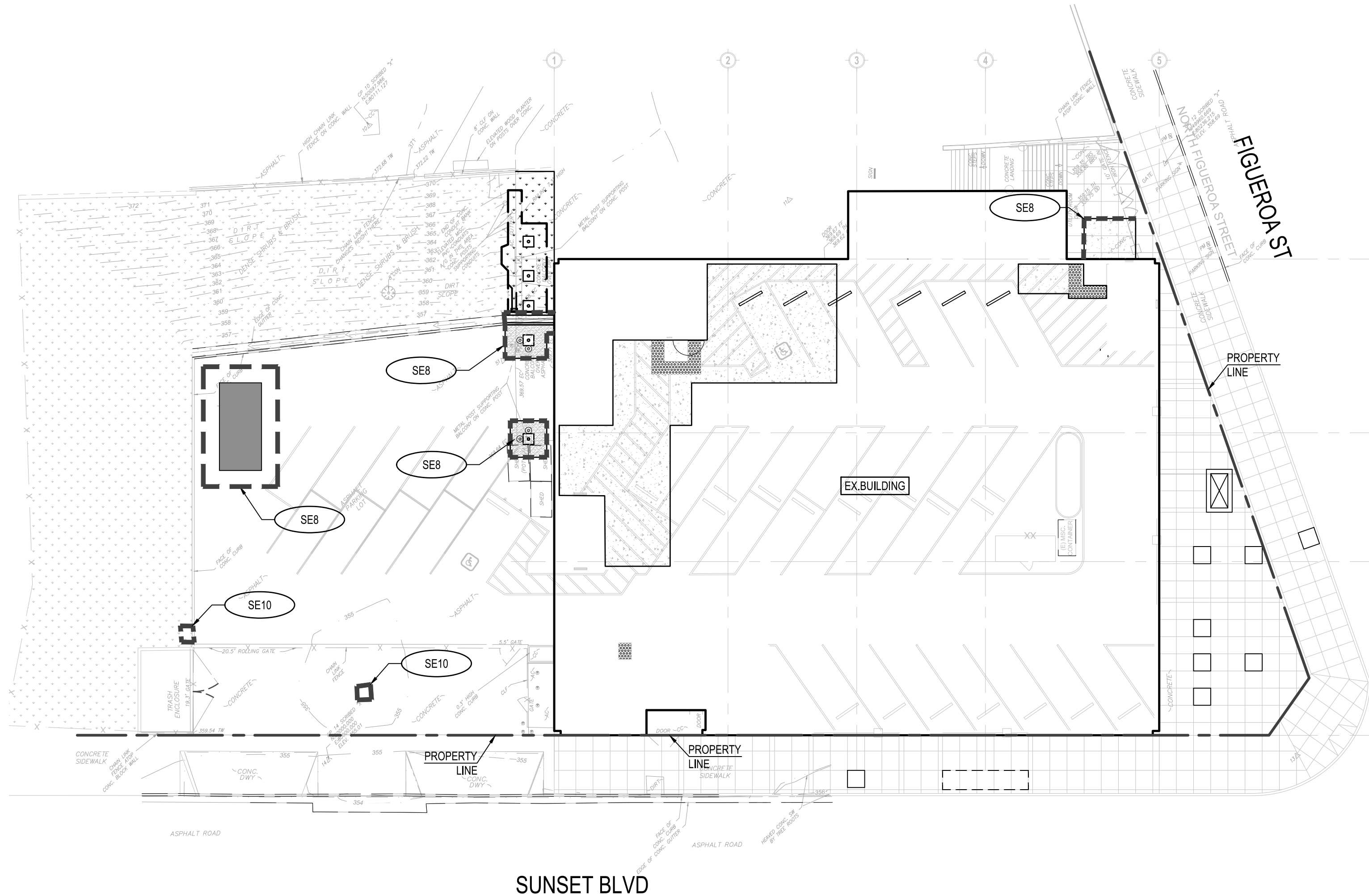
MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: BDG CHECKED: EF

SHEET NUMBER

C3.0

DATE: 12.07.23 SHEET: 5 OF: 63

PRINTED DATE: Fri, 09/27/2024



CONSTRUCTION BMPs:

EROSION CONTROL

- EC1 - SCHEDULING
- EC2 - PRESERVATION OF EXISTING VEGETATION
- EC3 - HYDRAULIC MULCH
- EC4 - HYDROSEEDING
- EC5 - SOIL BINDERS
- EC6 - STRAW MULCH
- EC7 - GEOTEXTILES & MATS
- EC8 - WOOD MULCHING
- EC9 - EARTH DIKES AND DRAINAGE SWALES
- EC10 - VELOCITY DISSIPATION DEVICES
- EC11 - SLOPES DRAINS
- EC12 - STREAMBANK STABILIZATION
- EC13 - RESERVED
- EC14 - COMPOST BLANKETS
- EC15 - SOIL PREPARATION/ROUGHENING
- EC16 - NON-VEGETATED STABILIZATION

WIND EROSION CONTROL

- WE1 - WIND EROSION CONTROL

TEMPORARY SEDIMENT CONTROL

- NS1 - WATER CONSERVATION PRACTICES
- NS2 - DEWATERING OPERATIONS
- NS3 - PAVING AND GRINDING OPERATIONS
- NS4 - TEMPORARY STREAM CROSSING
- NS5 - CLEAR WATER DIVERSION
- NS6 - ILLICIT CONNECTION/DISCHARGE
- NS7 - POTABLE WATER/IRRIGATION
- NS8 - VEHICLE AND EQUIPMENT CLEANING
- NS9 - VEHICLE AND EQUIPMENT FUELING
- NS10 - VEHICLE AND EQUIPMENT MAINTENANCE
- NS11 - PILE DRIVING OPERATIONS
- NS12 - CONCRETE CURING
- NS13 - CONCRETE FINISHING
- NS14 - MATERIAL AND EQUIPMENT USE
- NS15 - DEMOLITION ADJACENT TO WATER
- NS16 - TEMPORARY BATCH PLANTS

TEMPORARY SEDIMENT CONTROL

- SE1 - SILT FENCE
- SE2 - SEDIMENT BASIN
- SE3 - SEDIMENT TRAP
- SE4 - CHECK DAM
- SE5 - FIBER ROLLS
- SE6 - GRAVEL BAG BERM
- SE7 - STREET SWEEPING AND VACUUMING
- SE8 - SANDBAG BARRIER
- SE9 - STRAW BALE BARRIER
- SE10 - STORM DRAIN INLET PROTECTION PER DETAIL 1 HEREON
- SE11 - ACTIVE TREATMENT SYSTEMS
- SE12 - TEMPORARY SILT DIKE
- SE13 - COMPOST SOCKS & BERMS
- SE14 - BIOFILTER BAGS

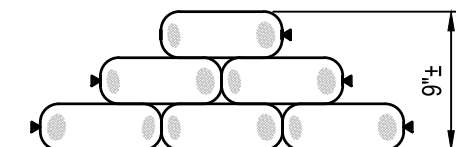
EQUIPMENT TRACKING CONTROL

- TC1 - STABILIZED CONSTRUCTION ENTRANCE/EXIT
- TC2 - STABILIZED CONSTRUCTION ROADWAY
- TC3 - ENTRANCE/OUTLET TIRE WASH

WATER MANAGEMENT & MATERIAL POLLUTION CONTROL

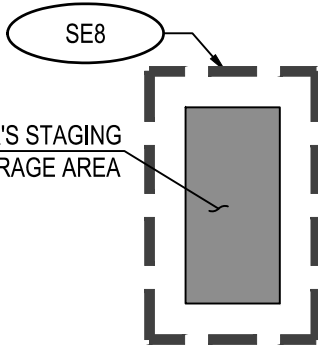
- WM1 - MATERIAL DELIVERY
- WM2 - MATERIAL USE
- WM3 - STOCKPILE MANAGEMENT
- WM4 - SPILL PREVENTION AND CONTROL
- WM5 - SOLID WASTE MANAGEMENT
- WM6 - HAZARDOUS WASTE MANAGEMENT
- WM7 - CONTAMINATION SOIL MANAGEMENT
- WM8 - CONCRETE WASTE MANAGEMENT
- WM9 - SANITARY/SEPTIC WASTE MANAGEMENT
- WM10 - LIQUID WASTE MANAGEMENT

LEGEND:

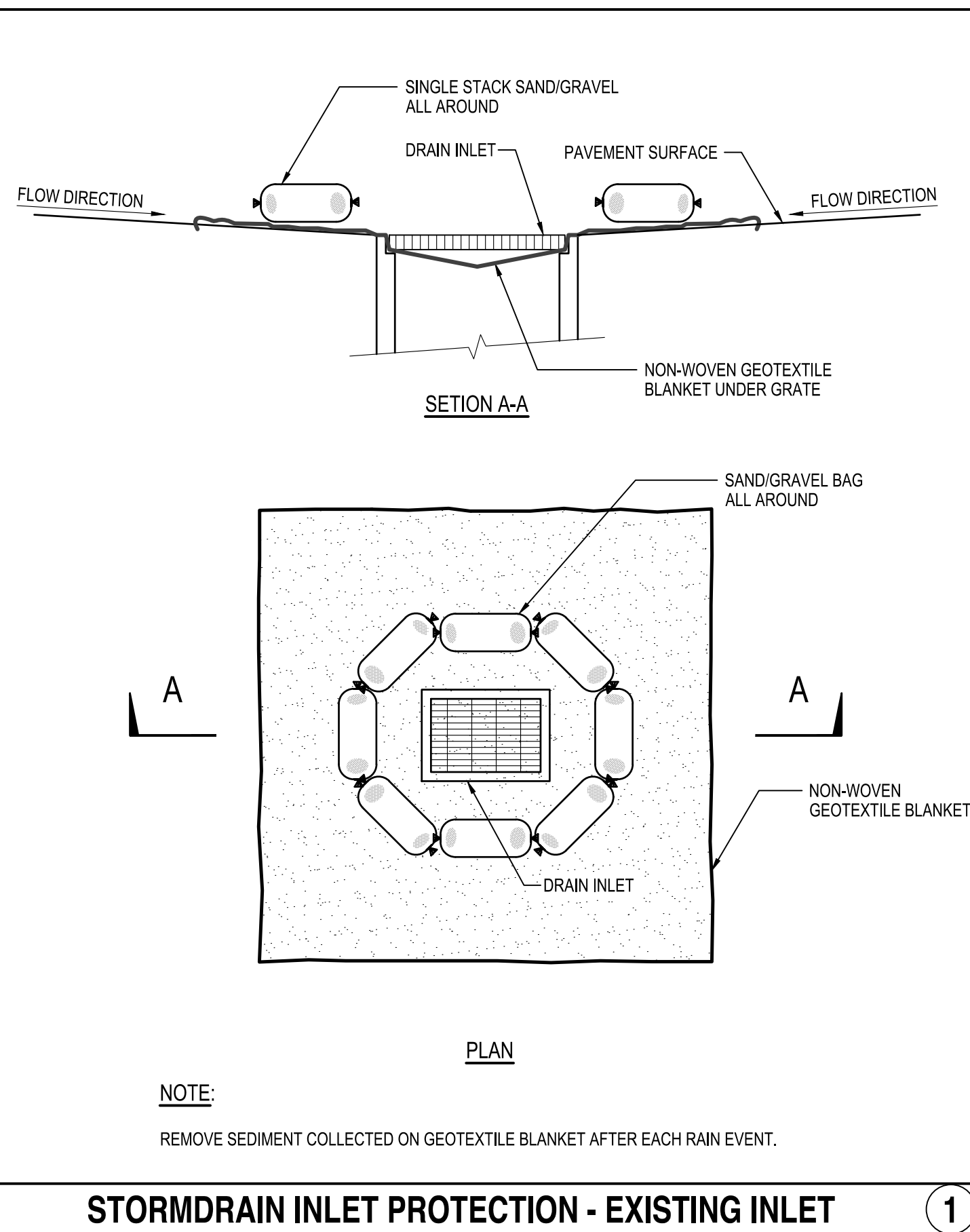


SE8

SE8



CONTRACTOR'S STAGING/STORAGE AREA. INCLUDE: WM-1 MATERIAL DELIVERY AND STORAGE, WM-2 MATERIAL USE, WM-3 STOCKPILE MANAGEMENT, WM-4 SPILL PREVENTION, WM-5 SOLID WASTE MANAGEMENT, WM-6 HAZARDOUS WASTE MANAGEMENT, WM-8 CONCRETE WASTE MANAGEMENT AND WM-9 SANITARY/SEPTIC WASTE MANAGEMENT SANDBAG ENTIRE PERIMETER OF STAGING/STORAGE AREA.



EROSION CONTROL GENERAL NOTES:

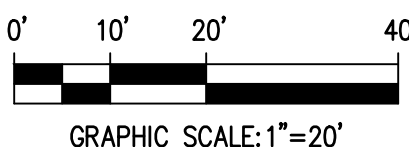
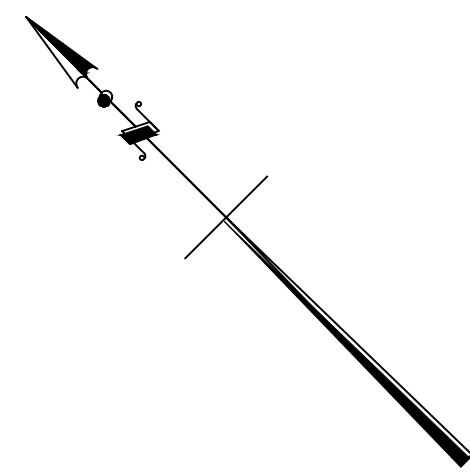
1. IN CASE OF EMERGENCY CALL, _____
2. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ONSITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
3. EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED IF THE GRADING HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED. FOR FURTHER BMP IMPLEMENTATION DURATION, REFER TO PROVIDED SWPPP REPORT, SECTION 300.4.
4. GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
6. THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE CONTRACTOR. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
7. DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR, UNLESS THE GRADING HAS PROGRESSED TO WHERE THEY ARE NO LONGER REQUIRED.
8. STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES. THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE CONTRACTOR.
9. EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NONSTORM WATER FROM THE PROJECT SITES AT ALL TIMES.
10. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ONSITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
11. STOCKPILES OF EARTH AND OTHER POLLUTANTS MUST BE RETAINED ONSITE AND MAY NOT BE TRANSPORTED FROM THE SITE BY THE FORCES OF WIND AND WATER.
12. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
13. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ONSITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
14. THE CONTRACTORS ARE RESPONSIBLE TO INSPECT THAT ALL EROSION CONTROL DEVICE BMPs ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 40% CHANCE OF 0.25 INCHES OR GREATER OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF THE SELF INSPECTION CHECK LIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
15. TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OR RAINWATER AND DISPERSAL BY WIND.
16. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICULAR TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
17. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED TO INHIBIT EROSION BY WIND AND WATER.
18. THE FOLLOWING BMPs FROM THE "CALIFORNIA STORM WATER BMP CONSTRUCTION HANDBOOK" - 2008, MUST BE IMPLEMENTED FOR ALL CONSTRUCTION ACTIVITIES AS APPLICABLE. BMPs FROM THE "CALIFORNIA STORM WATER BMP HANDBOOK" - JANUARY 2003 MAY BE USED IF DETAIL IS INDICATED.
19. AS THE ENGINEER OF RECORD, I HAVE SELECTED APPROPRIATE BMPs TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THE PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED, AND THE MAINTAINED TO ENSURE THEIR EFFECTIVENESS. THE BMPs NOT SELECTED FOR IMPLEMENTATION ARE REDUNDANT OR DEEMED NOT APPLICABLE TO THE PROPOSED CONSTRUCTION ACTIVITY.
20. PROVIDE INLET CONTROL MEASURES FOR ALL EXISTING AND PROPOSED STORM DRAIN INLETS.

Daniel L. Soutar

CIVIL ENGINEER/ARCHITECTS SIGNATURE

10-27-2023

DATE



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123812 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024



**LOS ANGELES UNIFIED
SCHOOL DISTRICT**

**M&O - A/E SERVICES
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TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL**

717 North Figueroa Street
Los Angeles, California 90012

COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT

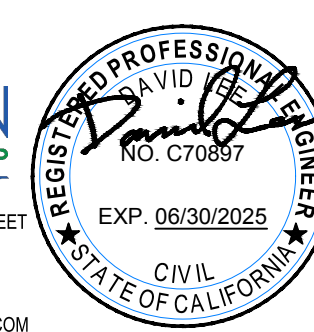
Architects McDonald, Soutar & Paz, Inc.

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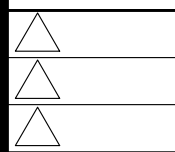
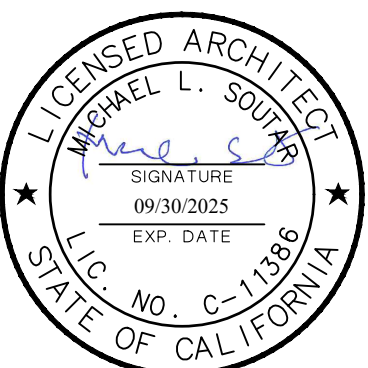
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STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

**EROSION
CONTROL PLAN**

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP

DRAWN: BDG CHECKED: EF

SHEET NUMBER

C4.0

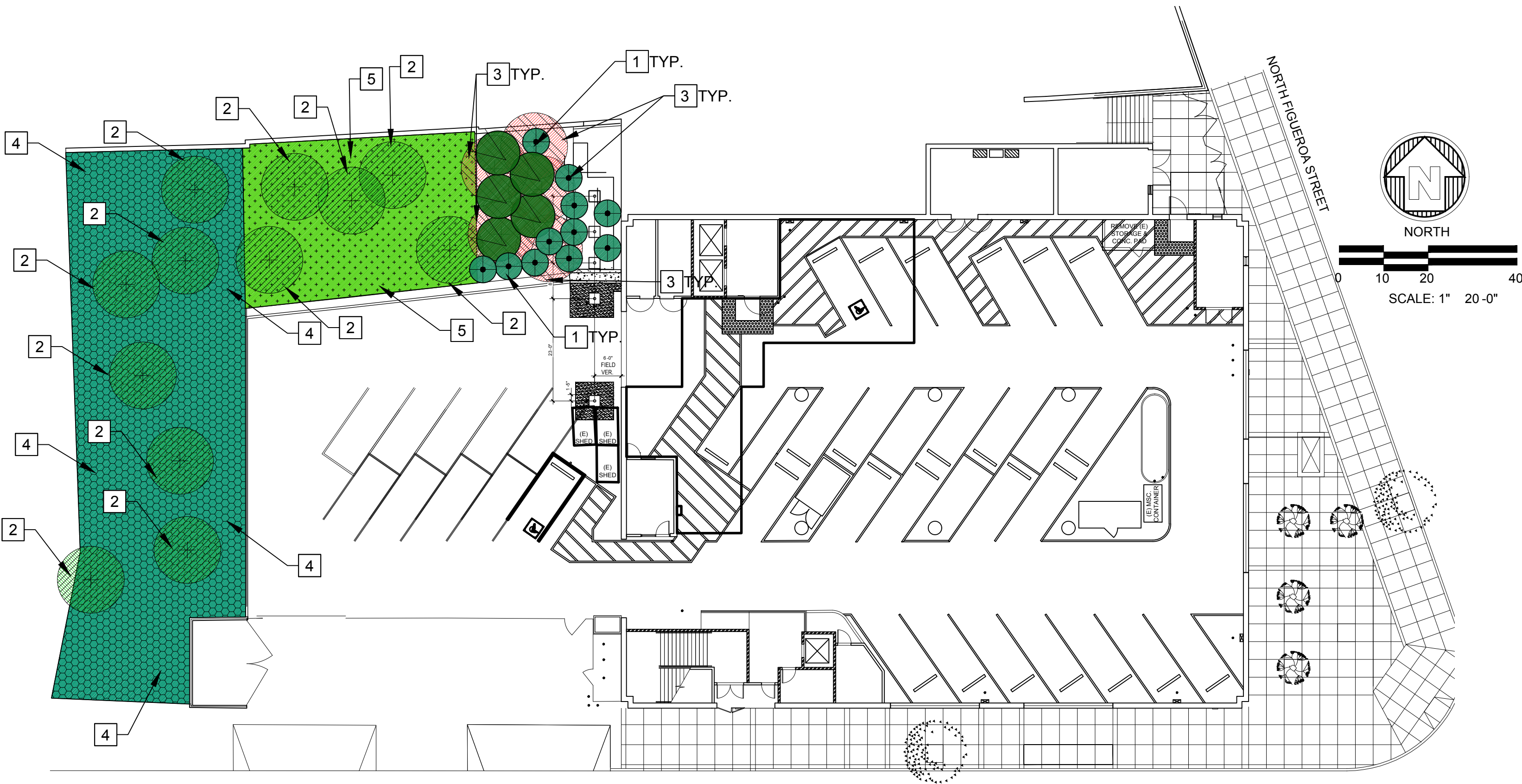
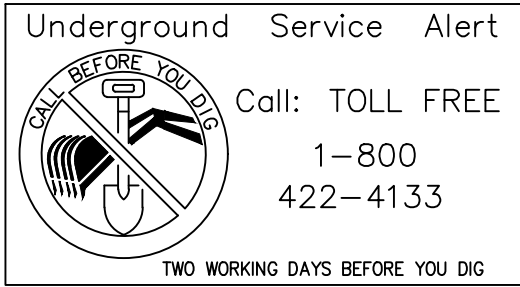
DATE: 12.07.23 SHEET: 6 OF: 63

PRINTED DATE: Fri, January 27, 2024

PLANTING LEGEND

SYMBOL	DESCRIPTION	REMARKS	SIZE	QUANTITY	DETAIL REF.
EXISTING TREES					
	EXISTING TREES TO REMAIN	PROTECT IN PLACE - SEE TREE PROTECTION NOTES - REPLACE IF DAMAGED		12	6/L-101
	EXISTING TREES TO REMOVE (1 PRUNUS / 4 JUNIPERUS)	PROVIDE REPLACEMENTS IN SLOPED AREA	24" BOX (REPLACEMENTS)	5	
NEW REPLACEMENT TREES AND SHRUBS					
	JUNIPERUS SABINA	SAVIN JUNIPER	15 GALLON	5	3/L-101
	SALVIA CLEVELANDII WINIFRED GILMAN NOTE: PROVIDE NEW 3" DEEP MULCH LAYER	WINIFRED GILMAN SAGE	5 GALLON	9	3/L-101
EXISTING SHRUBS, GROUND COVERS AND VINES TO REMAIN - PROTECT IN PLACE					
	EXISTING PLANTER AREAS TO REMAIN - PROVIDE NEW 3" DEEP MULCH - REPLACE ANY DAMAGED PLANTING	IF DAMAGED REPLACEMENTS TO BE DROUGHT TOLERANT PLANTING FROM LAUSD PLANT LIST TO MATCH EXISTING JUNIPERUS SABINA (SHRUBS) AND HEDERA HELIX (VINE/GROUND COVER)	REPLACEMENT SIZES 15 GALLON (LARGE SHRUB) 5 GALLON (SMALL SHRUB) 1 GALLON (GROUND COVER) 15 GALLON STAKED (VINE) (SEE PLANTING NOTES THIS SHEET)	1,945 S.F.	3/L-101 3/L-101 5/L-101 4/L-101
EXISTING UNIMPROVED PLANTING AREAS TO REMAIN					
	EXISTING PLANTING TO REMAIN	PROTECT IN PLACE		4,607 S.F.	
MISCELLANEOUS ITEMS					
	ORGANIC COMPOSTED WOOD CHIPS MULCH LAYER AT ALL EXISTING PLANTERS NOTED TO REMAIN AND REPAIRED PLANTERS	3" DEEP		3,078 S.F.	1/L-101 3/L-101 5/L-101

See Sheet L-100 for Planting Plan and Legend
See Sheet L-101 for Planting Notes and Details
See Sheets L-200 thru L-205 for Irrigation Plans



PLANTING NOTES

WEED CONTROL

WHERE INVASIVE GRASSES AND PERENNIAL/ANNUAL WEEDS EXIST ON SITE (WITHIN LIMIT OF WORK) AT THE BEGINNING OF CONSTRUCTION, PERFORM HAND PULLING, CLEARING AND GRUBBING OF ALL WEEDS INCLUDING THE ROOTS WITHIN THE LIMIT OF WORK EITHER BY HAND OR WITH APPROPRIATE LANDSCAPE TOOLS (HOE, CULTIVATOR, SICKLE, ETC.). DO NOT USE MATERIALS, TOOLS, OR METHODS THAT WOULD ADVERSELY AFFECT NEW/EXISTING PLANTINGS, SLOPE STABILIZATION OR HAND-SEEDING. CONTINUE WEED PULLING BY HAND AS NECESSARY AT REGULAR INTERVALS (EVERY TEN DAYS MINIMUM) TO KEEP SITE WEED FREE THROUGHOUT CONSTRUCTION AND DURING THE MAINTENANCE PERIOD. NO HERBICIDES OR CHEMICALS ARE TO BE APPLIED TO WEEDS ON CAMPUS PER LAUSD.

ALTERNATIVE METHODS:

- STEAM BASED WEED CONTROL METHOD

IMPORTED SOIL, SOIL TESTING AND SOIL PREPARATION

IMPORT SOIL: IMPORT NEW CLASS A TOPSOIL PER SPECIFICATIONS AS REQUIRED DUE TO ANTICIPATED DEMOLITION WORK. CONTRACTOR TO PROVIDE SAMPLE OF NEW TOPSOIL FOR AGRONOMIC SOILS SUITABILITY TESTING TO BE PERFORMED BY A CERTIFIED AGRONOMIC SOILS LAB. CONTRACTOR SHALL SUBMIT RESULTS OF SOILS TESTING TO LANDSCAPE ARCHITECT WITH PLANTING AND IRRIGATION SUBMITTALS. SEE REQUIRED INFORMATION BELOW.

EXISTING SOIL: AFTER DEMOLITION IS COMPLETED CONTRACTOR SHALL SUBMIT SAMPLE OF EXISTING SITE SOIL TO CERTIFIED AGRONOMIC SOILS LAB FOR AGRONOMIC SOILS SUITABILITY TESTING. CONTRACTOR SHALL SUBMIT RESULTS OF SOILS TESTING TO LANDSCAPE ARCHITECT WITH PLANTING AND IRRIGATION SUBMITTALS. SEE REQUIRED INFORMATION BELOW.

REQUIRED AGRONOMIC SOILS SUITABILITY TESTING INFORMATION:

- SOIL TEXTURE
- INFILTRATION RATE
- PH
- TOTAL SOLUBLE SALTS
- SODIUM
- PERCENT ORGANIC MATTER
- RECOMMENDATIONS

PRIOR TO PLANTING OF ANY MATERIALS, COMPACTED SOILS SHALL BE TRANSFORMED TO A FRIABLE CONDITION.

SOIL AMENDMENTS SHALL BE INCORPORATED ACCORDING TO RECOMMENDATION OF THE SOILS REPORT.

AMEND SOIL AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA TO A DEPTH OF SIX INCHES INTO THE SOIL.

FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL.

MULCH

A MINIMUM 3-INCH DEEP LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS, WHERE CREEPING OR ROOTING GROUND COVERS ARE SHOWN, OR AREAS OF DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED. ALL PROPOSED TREES WITHIN PARKING LOT TREE WELLS TO HAVE A MINIMUM 3" DEEP MULCH ONLY AREA AT ALL LOCATIONS. ORGANIC MULCH SHALL TAKE PRECEDENCE OVER INORGANIC MATERIALS OR VIRGIN FOREST PRODUCTS UNLESS NOT LOCALLY AVAILABLE. CONTRACTOR TO PROVIDE BAGGED SAMPLE WITH PLANTING SUBMITTAL FOR APPROVAL BY DISTRICT AND LANDSCAPE ARCHITECT.

TREE PLACEMENT NOTES:

ALL INTERNAL TREES SHALL BE LOCATED OR ADJUSTED

IN ACCORDANCE TO THE FOLLOWING REQUIREMENTS:

- A MIN. OF 5 FROM ANY BUILDING
- A MIN. OF 4 FROM ALL HARDSCAPE INCLUDING CURBS, WALKS AND WALLS
- A MIN. OF 2 FROM EITHER SIDE OF TURF / SHRUB LINE
- A MIN. OF 3 FROM WATER METERS, LIGHTS, OR ANY OTHER UTILITIES
- A MIN. OF 8 FROM ELECTRICAL TRANSFORMERS
- A MIN. OF 2 FROM DRAIN LINE PIPES

DEEP ROOT BARRIERS

ALL TREES WITHIN 10 FEET OF ANY PERMANENT HARDSCAPE ELEMENT SUCH AS CONCRETE WALKS, WALLS, FOOTINGS OR BUILDINGS SHALL BE PLANTED WITH AN APPROPRIATE SIZED LINEAR OR SURROUND ROOT BARRIER. TREES ADJACENT TO NEW MAIN LINE SHALL BE SEPARATED FROM THE MAIN LINE PIPING WITH ADDITIONAL DEEP ROOT BARRIERS BETWEEN TREES AND MAIN LINE PIPING. SEE PLANTING PLAN AND LEGEND THIS SHEET AND DETAIL 2, SHEET L-101 (20 L.F. PER TREE MIN.)

PLANT REPLACEMENT SIZES

EXISTING PLANTING REPLACEMENTS:

- TREES TWO (2) 24" BOX MINIMUM (LARGER IF MATURE/SPECIMEN TREES ARE DAMAGED - SEE SPECIFICATIONS)
- LARGE SHRUBS ONE (1) 15 GALLON (4 AND TALLER SHRUBS)
- MEDIUM SHRUBS ONE (1) 5 GALLON (2-4 SHRUBS)
- SMALL SHRUBS ONE (1) 1 GALLON (1-2 SHRUBS)
- GROUND COVERS FLATS

TREE PROTECTION NOTES

- GENERAL RESPONSIBILITY: THE CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR PROTECTION AND WELFARE OF EXISTING TREES WITHIN THE CONTRACT LIMITS WHICH ARE NOTED TO REMAIN. THIS RESPONSIBILITY SHALL CONTINUE THROUGHOUT THE FULL CONSTRUCTION PERIOD UNTIL THE ENTIRE PROJECT IS COMPLETED AND ACCEPTED BY THE DISTRICT AND THROUGH COMPLETION OF THE GUARANTEE PERIOD.
- QUALIFICATIONS OF WORKMEN: TRIMMING SHALL BE PERFORMED ONLY BY EXPERIENCED WORKMEN UNDER THE DIRECT SUPERVISION OF AN ARBORIST UNDER CONTRACT WITH THE CONTRACTOR TO PROVIDE THESE SERVICES. PROVIDE AT LEAST ONE PERSON APPROVED BY THE DISTRICT WHO SHALL BE PRESENT AT ALL TIMES DURING TREE PROTECTION AND TRIMMING OPERATIONS, WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF WORK INVOLVED, AND WHO SHALL DIRECT ALL PROTECTION AND TRIMMING WORK.
- PRIOR TO PERFORMING ANY WORK OF THIS CONTRACT, CONTRACTOR SHALL CALL FOR A SITE MEETING WITH THE OAR, IOR AND ARCHITECT. THIS MEETING SHALL OCCUR PRIOR TO CONSTRUCTION OF ANY NATURE ON SITE. THE PURPOSE OF THE MEETING SHALL BE TO ESTABLISH THE CONDITIONS OF ALL EXISTING TREES TO BE PRESERVED OR RELOCATED UPON THE RECEIPT OF THE SITE BY THE CONTRACTOR. FAILURE TO CALL FOR SAID MEETING IMPLIES ACCEPTANCE BY THE CONTRACTOR OF TREES TO BE PRESERVED IN THEIR EXISTING CONDITION.
- INSTALL TREE PROTECTION FENCING AROUND TREES TO BE PRESERVED AT A DISTANCE REQUIRED FROM THE BASE OF THE TRUNK TO THE DRIP LINE OF THE TREE. FENCING SHALL REMAIN UNTIL LANDSCAPE WORK HAS COMMENCED, AND IT SHALL THEN BE REMOVED AS DIRECTED BY THE ARBORIST. SEE DETAIL 6, SHEET L-101.
- DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS, AS OUTLINED HEREIN, TO PROTECT THE EXISTING TREES TO BE PRESERVED FROM INJURY OR DEATH. PROTECTION SHALL BE GIVEN TO THE ROOTS, TRUNK AND FOLIAGE OF ALL EXISTING TREES TO REMAIN.
- WHERE TRENCHING FOR UTILITIES IS REQUIRED WITHIN DRIP LINES, TUNNELING UNDER AND AROUND ROOTS SHALL BE BY HAND DIGGING. MAIN LATERAL ROOTS AND TAPROOTS SHALL NOT BE CUT. SMALLER ROOTS THAT INTERFERE WITH INSTALLATION OF NEW WORK MAY BE CUT WITH PRIOR WRITTEN APPROVAL BY THE ARBORIST.
- BRANCHING STRUCTURE SHALL BE THINNED IN ACCORDANCE WITH NAA "PRUNING STANDARDS AND PRACTICES" TO BALANCE LOSS TO ROOT SYSTEM CAUSED BY DAMAGE OR CUTTING OF ROOT SYSTEM. THINNING SHALL NOT EXCEED 30 PERCENT OF EXISTING BRANCHING STRUCTURE.
- IN COMPANY WITH THE OAR, IOR, AND REGISTERED ARBORIST ASCERTAIN THE LIMBS AND ROOTS WHICH ARE TO BE TRIMMED, AND CLEARLY MARK THEM TO DESIGNATE THE APPROVED POINT OF CUTTING.
- CUT EVENLY, USING PROPER TOOLS AND SKILLED WORKMEN, TO ACHIEVE NEAT SEVERANCE WITH THE LEAST POSSIBLE DAMAGE TO THE TREE.
- IN THE CASE OF ROOT CUTS, APPLY WET BURLAP OR OTHER PROTECTION, APPROVED AS NOTED HEREIN, TO PREVENT DRYING OUT, AND MAINTAIN IN A WET CONDITION AS LONG AS NECESSARY FOR TEMPORARY PROTECTION.

PLANTING NOTES

PLANTING KEYNOTES

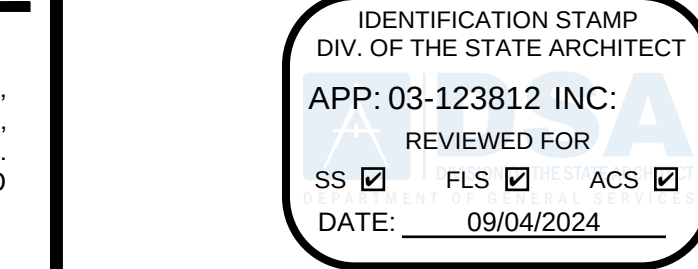
- REPLACEMENT SHRUBS AND TREES PER LEGEND, NOTES AND DETAILS
- EXISTING TREES TO REMAIN - PROTECT IN PLACE - SEE DETAIL 6, SHEET L-101.
- EXISTING TREES TO REMOVE - REPLACE WITH NEW 24" BOX TREES
- EXISTING LANDSCAPE AREAS TO REMAIN - PROTECT IN PLACE
- EXISTING LANDSCAPE AREAS TO REPAIR OR REPLACE IF DAMAGED

ADDITIONAL LANDSCAPE NOTES:

TOTAL EXISTING LANDSCAPE AREA: 7,685 S.F.
EXISTING TREES TO REMAIN: 12 TOTAL WITHIN LIMIT OF WORK
EXISTING TREES TO REMOVE: 5 TOTAL WITHIN LIMIT OF WORK
NEW TREES: 5 TOTAL WITHIN LIMIT OF WORK
EXISTING LANDSCAPE AREAS TO REMAIN - PROTECT: 4,607 S.F.
EXISTING LANDSCAPE AREAS REPAIRS & REPLACEMENTS: 3,078 S.F.
TYPE OF CONSTRUCTION: WALKWAY REMOVAL AND ADA UPGRADE WITH REPLACEMENT AND REPAIRED LANDSCAPE AREAS
WATER: POTABLE

WATER PURVEYOR: LOS ANGELES DWP

PLANTING KEYNOTES



LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL

717 North Figueroa Street
Los Angeles, California 90012

COLIN NUMBER: 10372448

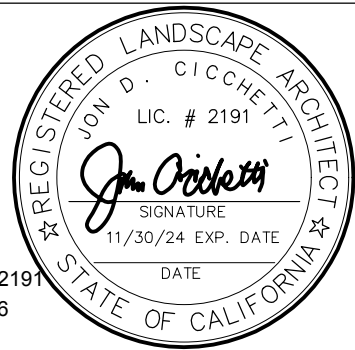
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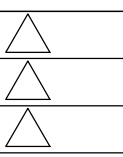
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STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

PLANTING PLAN,
PLANTING LEGEND,
AND PLANTING NOTES

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: JDC CHECKED: JDC
SHEET NUMBER

L-100

DATE: 12.12.23 SHEET: 7 OF: 63

PRINTED DATE: A 11/26/2024

PLANTING PLAN AND PLANTING LEGEND

2

3

1



**LOS ANGELES UNIFIED
SCHOOL DISTRICT**

**M&O - A/E SERVICES
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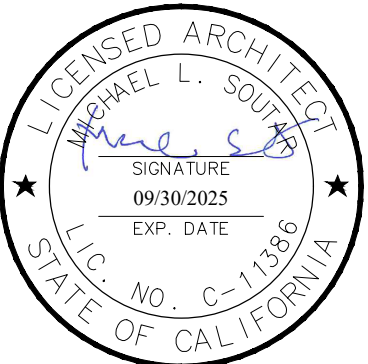
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STAMPS/SEALS



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SHEET TITLE:

PLANTING DETAILS

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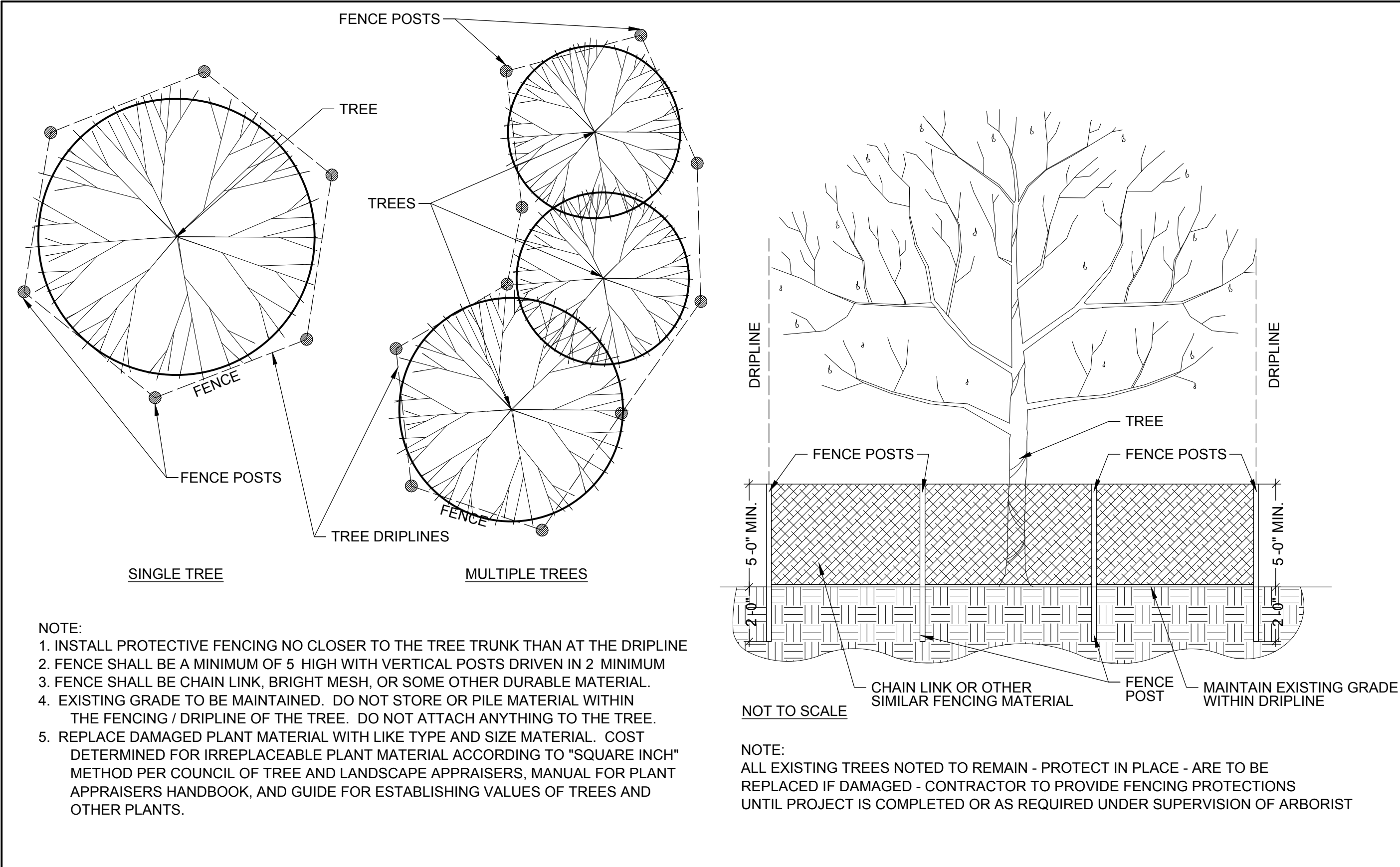
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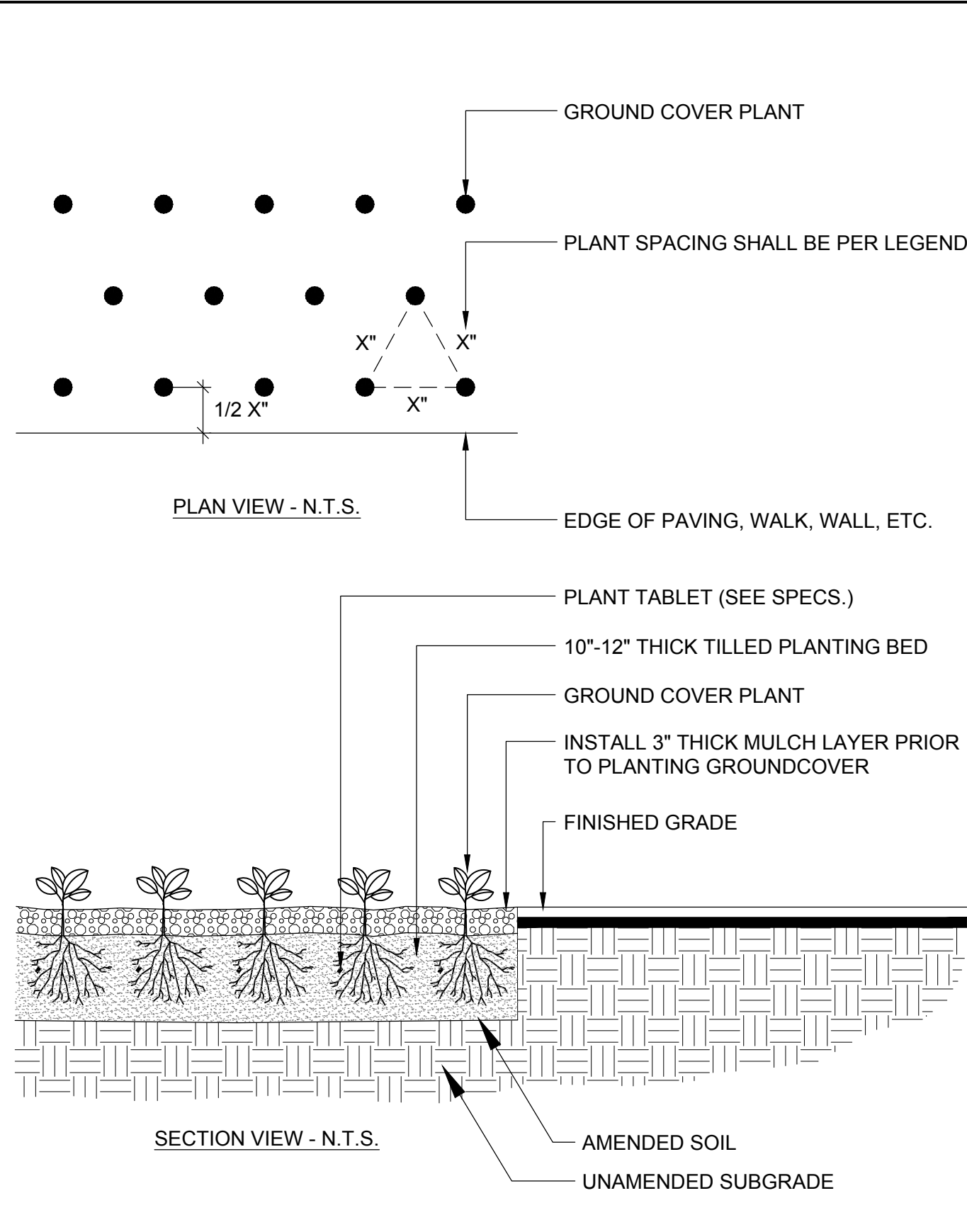
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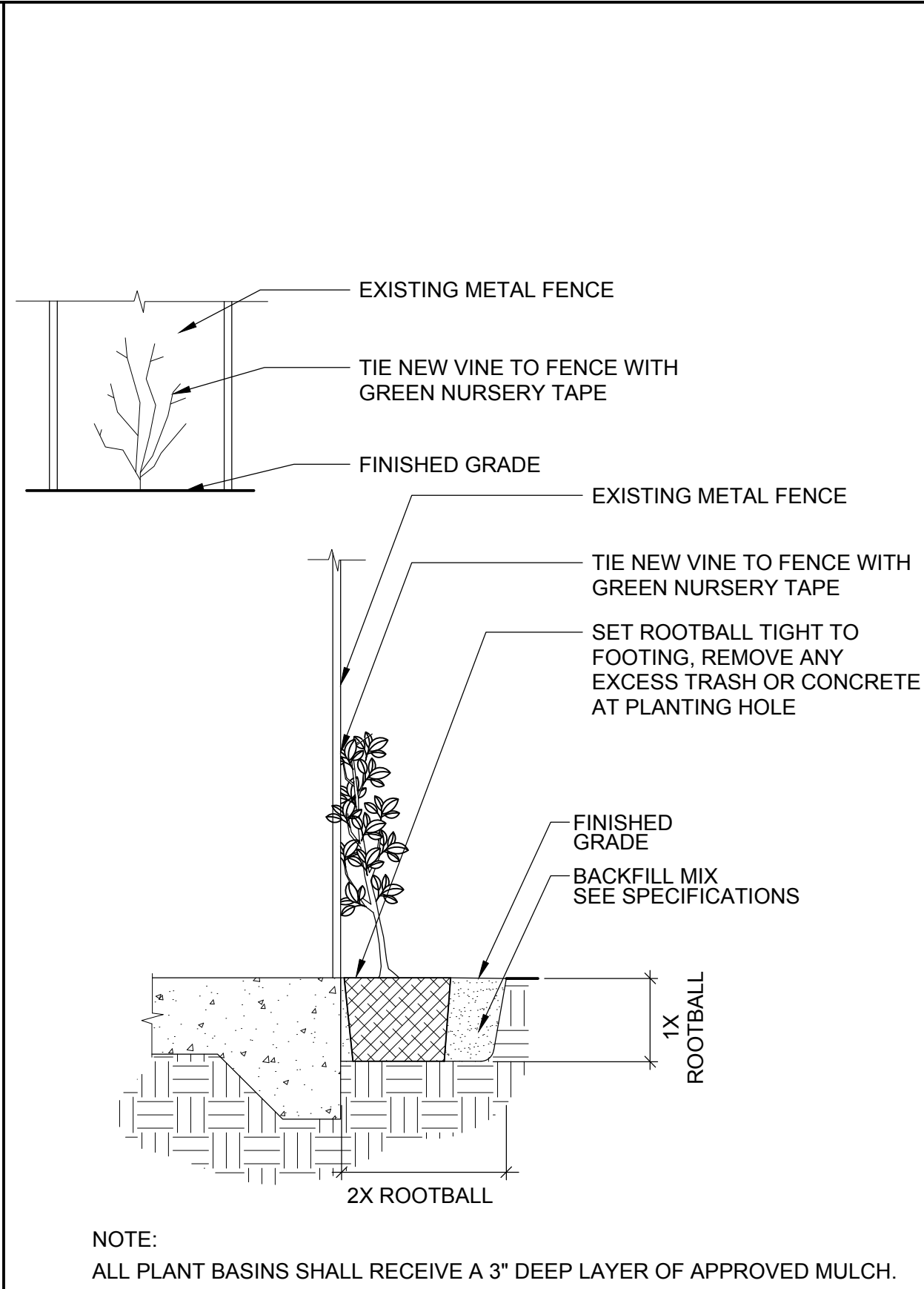
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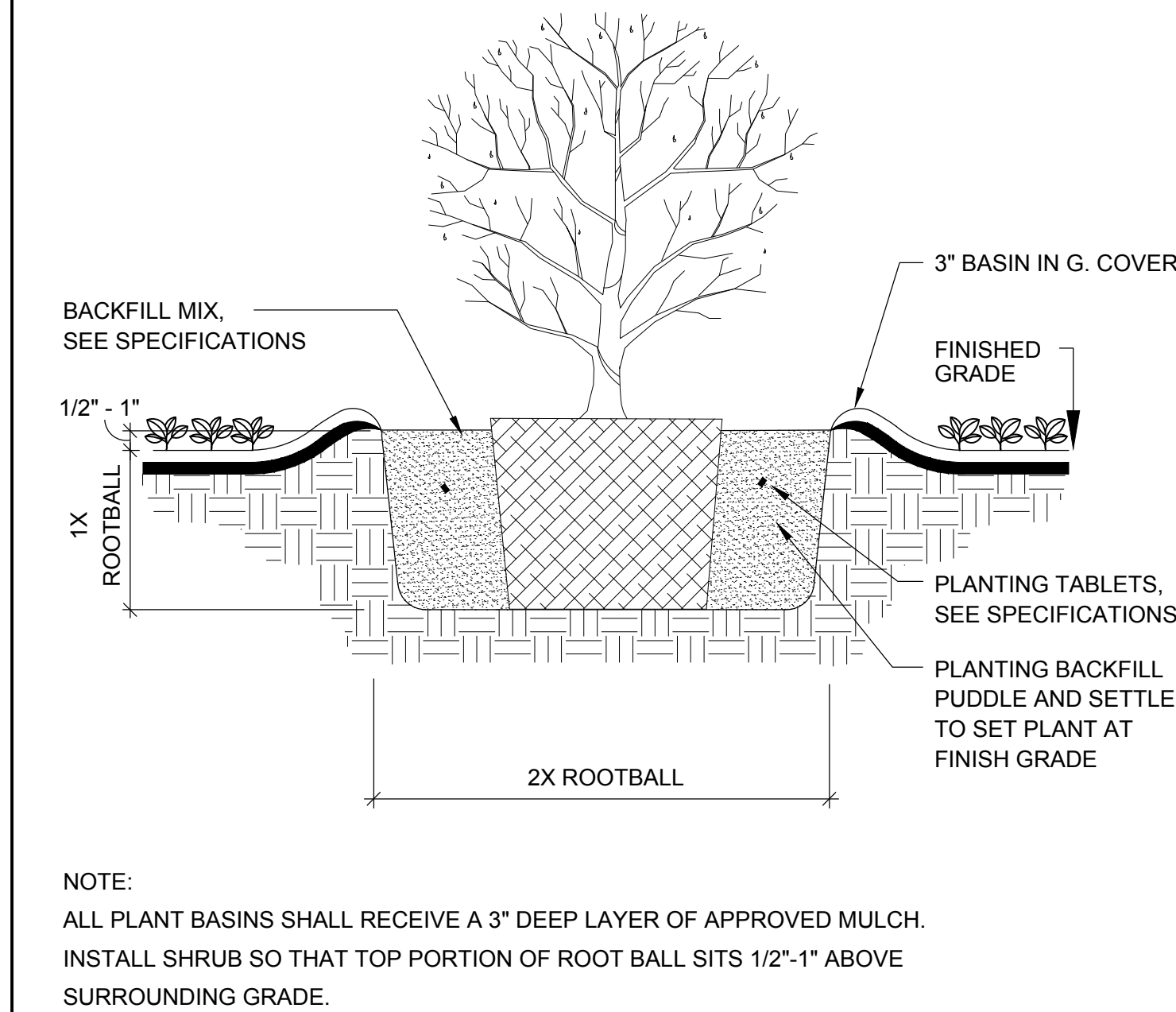
6 TREE PROTECTION DETAIL



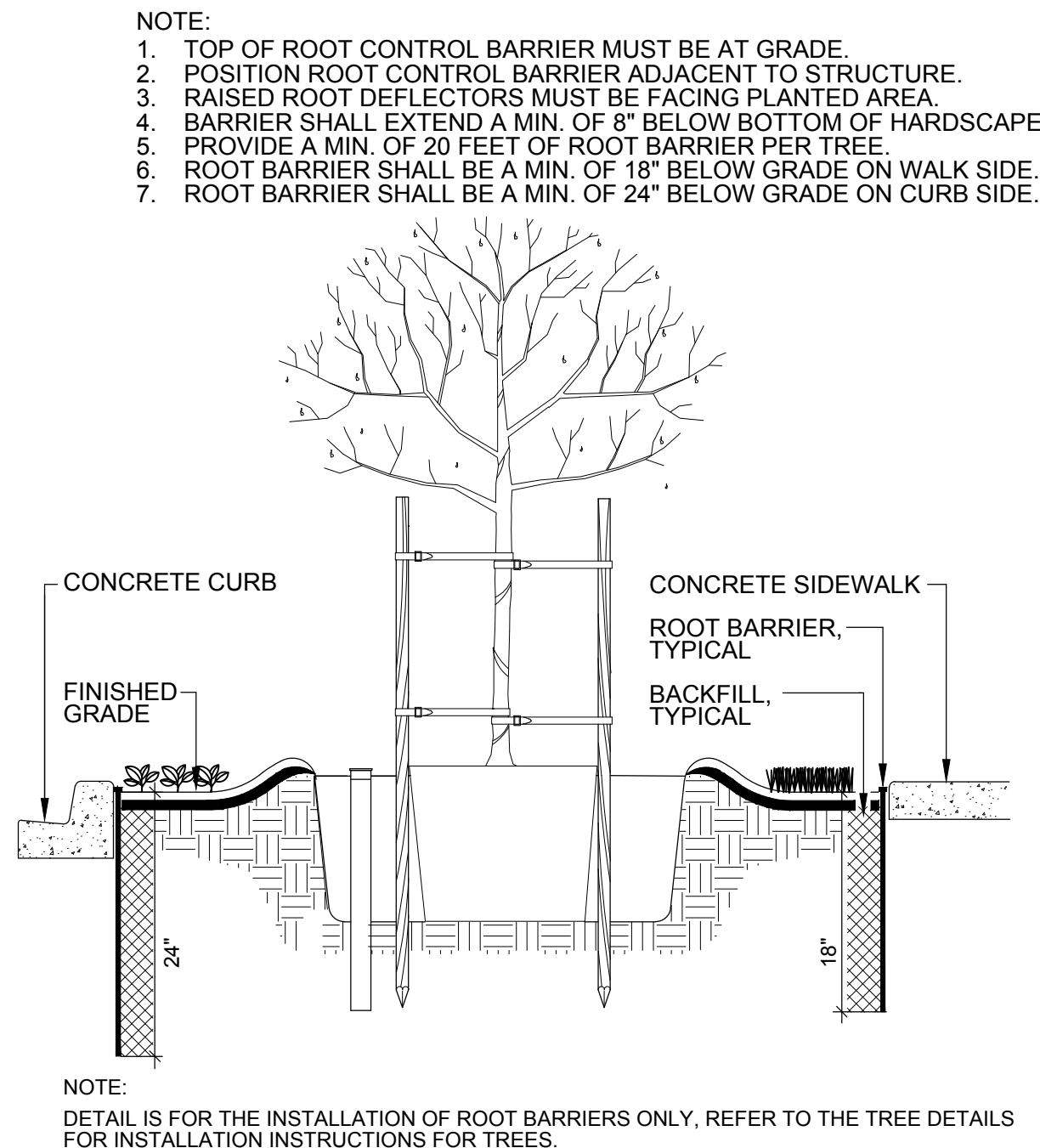
5 GROUND COVER DETAIL - 1 GALLON



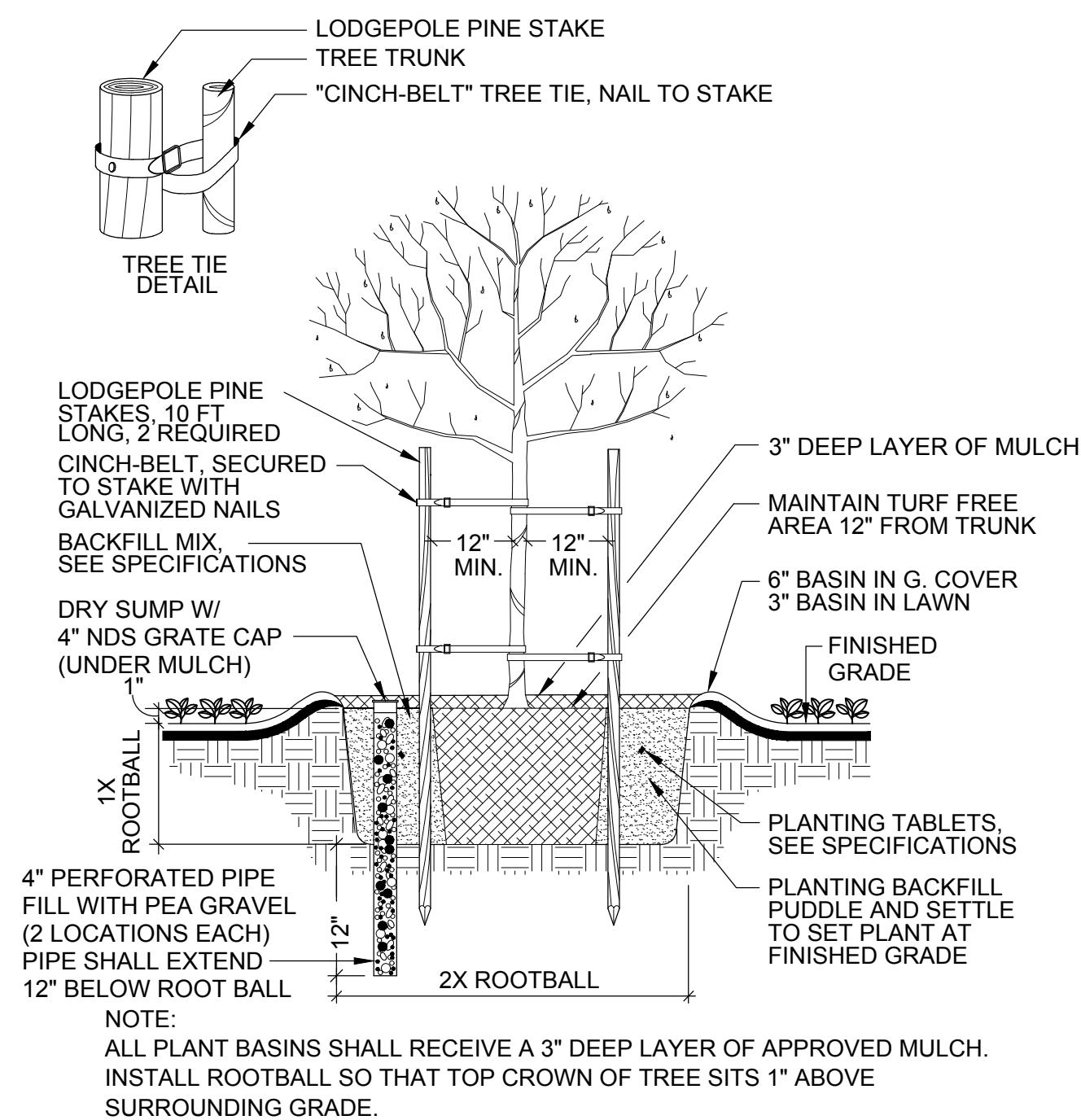
4 VINE DETAIL - 15 GALLON



3 SHRUB DETAIL - 5 AND 15 GALLON

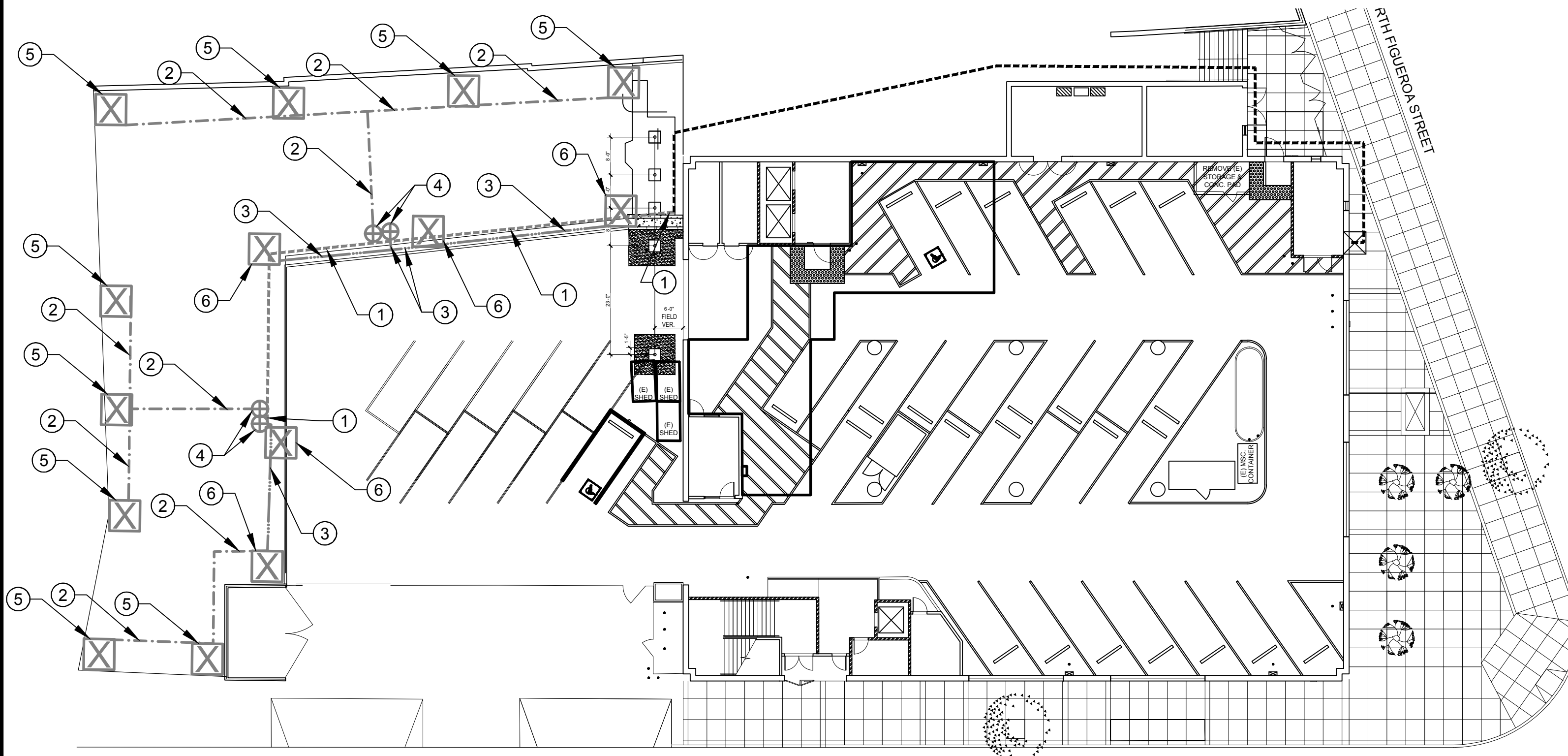


2 TREE ROOT BARRIER DETAIL



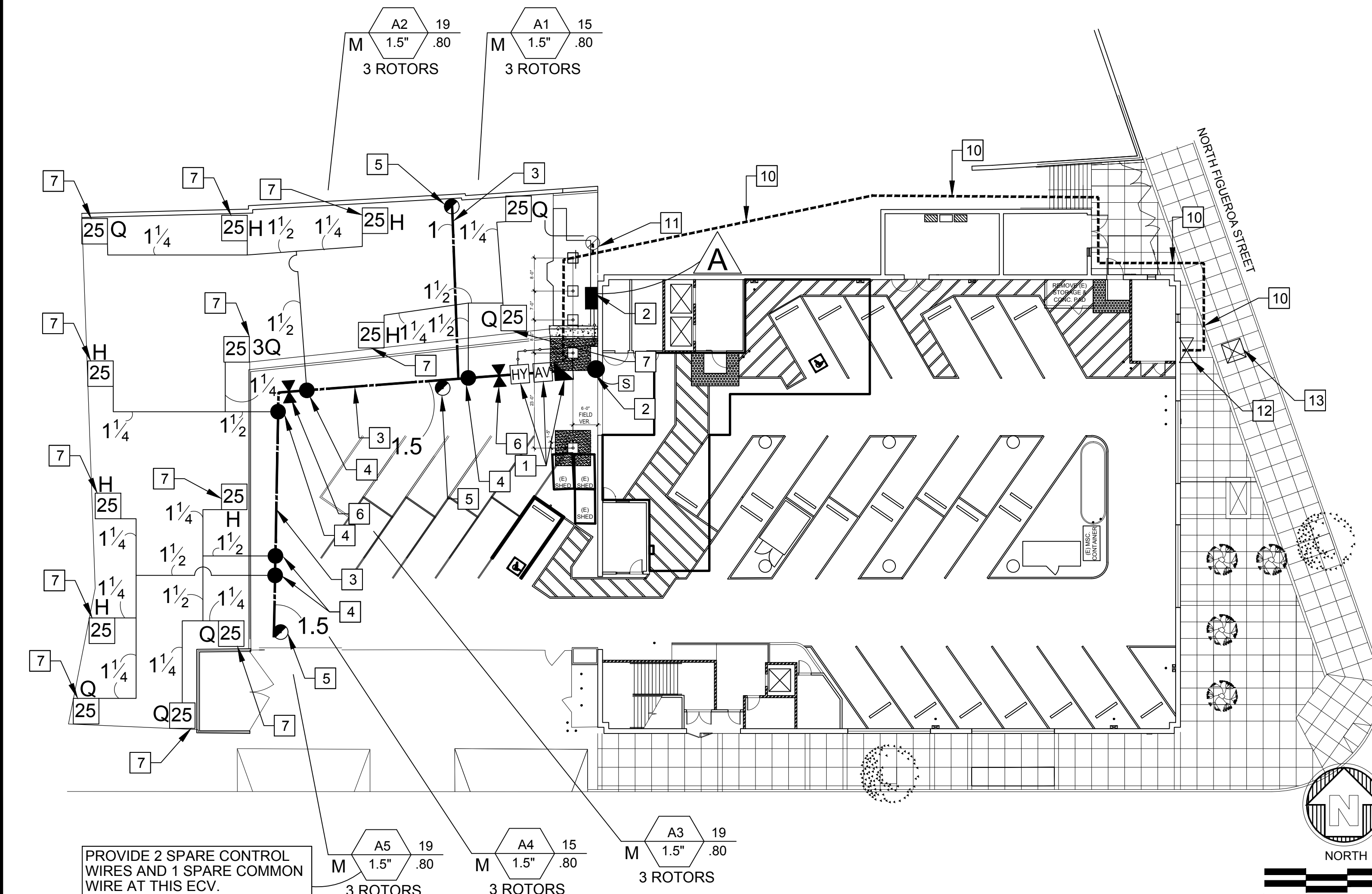
1 STANDARD TREE - 24" BOX

See Sheet L-100 for Planting Plan and Legend
See Sheet L-101 for Planting Notes and Details
See Sheets L-200 thru L-205 for Irrigation Plans



IRRIGATION DEMOLITION PLAN

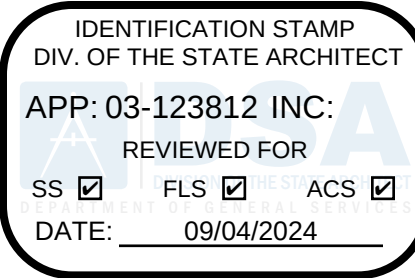
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IRRIGATION PLAN

2

See Sheets L-100 thru L-101 for Planting Plans
See Sheet L-200 for Irrigation Plan
See Sheet L-201 for Irrigation Legend and Notes
See Sheets L-202 thru L-204 for Irrigation Details
See Sheet L-205 for Irrigation Calculations



IRRIGATION DEMOLITION KEYNOTES

- EXISTING MAIN LINE - 1-1/4" GALVANIZED SCHEDULE 40 PIPE - REMOVE AND DISPOSE OF LEGALLY OFFSITE.
- EXISTING LATERAL LINE - GALVANIZED SCHEDULE 40 PIPE ON GRADE - REMOVE AND DISPOSE OF LEGALLY OFFSITE.
- EXISTING LATERAL LINE - PVC SCHEDULE 40 PIPE 12" BELOW FINISH GRADE- REMOVE AND DISPOSE OF LEGALLY OFFSITE.
- EXISTING CONTROL VALVES - 3/4" MANUAL ANTI-SIPHON VALVES AND 3/4" MANUAL CONTROL VALVES WITH 3/4" ATMOSPHERIC VACUUM BREAKERS - REMOVE AND DISPOSE OF LEGALLY OFFSITE.
- EXISTING ROTORS - I-40 ROTOR BODIES ON TOP OF GALVANIZED STEEL RISERS FROM ON-GRADE PIPE WITH PIPE STAKE - REMOVE AND DISPOSE OF LEGALLY OFFSITE.
- EXISTING ROTORS - I-40 ROTOR BODIES ON TOP OF GALVANIZED STEEL RISERS FROM 12" DEEP LATERAL LINE PIPE WITH PIPE STAKE - REMOVE AND DISPOSE OF LEGALLY OFFSITE.

IRRIGATION DEMOLITION KEYNOTES

4

SPARE WIRE NOTE:

PROVIDE TWO SPARE WIRES AND ONE SPARE COMMON WIRE CONTINUOUSLY FROM AUTOMATIC CONTROLLER TO TWO DESIGNATED ELECTRIC CONTROL VALVE BOXES, FOLLOWING MAIN LINE ROUTE. ALLOW 30-INCH EXPANSION LOOP AT EACH CONTROL VALVE ALONG MAIN LINE ROUTING. THE TWO LOCATIONS FOR SPARE WIRES ARE IDENTIFIED ON DRAWINGS WITH THE WORDS "PROVIDE SPARE WIRES AT ECV".

NEW IRRIGATION CONTROLLER NOTE - SYSTEM A :

PROPOSED IRRIGATION CONTROLLER A MOUNTED IN FRONT ENTRY SECURITY ENCLOSURE. CONTRACTOR TO COORDINATE INSTALLATION PER PLAN, LEGEND, DETAILS AND NOTES ON SHEETS L-201 THRU L-204 FOR THIS CONTROLLER AND PROVIDE NEW AS-BUILT PLANS TO THE DISTRICT PER THE SPECIFICATIONS AND A NEW COLOR RENDERED CONTROLLER CHART AT THE CONTROLLER LOCATION. CONTRACTOR TO PROVIDE NEW RAIN SENSOR ORDERED SEPARATELY. SEE IRRIGATION EQUIPMENT LEGEND ON SHEET L-201 AND DETAILS ON SHEET L-202.

NEW IRRIGATION POINT OF CONNECTION NOTE - SYSTEM A :

IRRIGATION POINT-OF-CONNECTION A - EXISTING WATER METER SUPPLIES THE IRRIGATION FOR THE ENTIRE SITE. DOMESTIC WATER SUPPLY SERVICED BY LADWP. SEE IRRIGATION PLAN FOR EXISTING 4" DOMESTIC WATER METER LOCATION AT FIGUEROA. 1.5" SHUTOFF VALVE IS THE EXISTING IRRIGATION POINT OF CONNECTION. PROVIDE NEW GATE VALVE, NEW REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY, NEW HYDROMETER (MASTER VALVE/FLOW SENSOR), AND MAIN LINE AIR VENT PER PLAN, LEGEND, DETAILS AND NOTES.
SYSTEM DESIGN PRESSURE: 40-50 P.S.I.
EXISTING STATIC WATER PRESSURE: 95 P.S.I.

LATERAL LINE SIZING TABLE:

1-6 GPMs	3/4" SIZE - SCHEDULE 40 PVC
7-10 GPMs	1" SIZE - SCHEDULE 40 PVC
11-20 GPMs	1-1/4" SIZE - SCHEDULE 40 PVC
21-28 GPMs	1-1/2" SIZE - SCHEDULE 40 PVC
29-40 GPMs	2" SIZE - SCHEDULE 40 PVC
41-60 GPMs	2-1/2" SIZE - CLASS 315 PVC
60-90 GPMs	3" SIZE - CLASS 315 PVC

NOTE: SIZING TABLE IS FOR REFERENCE AS MINIMUM ALLOWED SIZE BASED ON FLOW. LONGER RUNS REQUIRE LARGER PIPE SIZES AS NEEDED.



IRRIGATION KEYNOTES

- INSTALL NEW POINT OF CONNECTION WITH NEW RP BACKFLOW PREVENTER AND NEW HYDROMETER (MASTER VALVE/FLOW SENSOR) WITH AIR VENT - SEE DETAIL 2, SHEET L-202 FOR BACKFLOW PREVENTER, SEE DETAILS 4 & 5, SHEET L-202 FOR HYDROMETER AND AIR VENT AND DETAIL 3, SHEET L-204 FOR FLOW SIGNAL CABLE
- INSTALL NEW SMART IRRIGATION CONTROLLER WITH RAIN SENSOR - SEE DETAIL 1, SHEET L-202
- INSTALL NEW MAIN LINE - SEE DETAIL 4, SHEET L-203
- INSTALL NEW CONTROL VALVES - SEE DETAILS 2 & 3, SHEET L-203
- INSTALL NEW QUICK COUPLER VALVES - SEE DETAIL 1, SHEET L-203
- INSTALL NEW GATE VALVES - SEE DETAIL 3, SHEET L-202
- INSTALL NEW ROTORS - SEE DETAIL 1, SHEET L-204
- NOT USED
- NOT USED
- PROTECT EXISTING MAIN LINE IN PLACE WHERE SHOWN ON PLAN - EXISTING 1-1/4" GALVANIZED SCHEDULE 40 PIPE TO REMAIN FROM 1-1/2" SHUTOFF VALVE - SEE AS-BUILTS
- PROTECT EXISTING HOSE BIBB IN PLACE WHERE SHOWN ON PLAN - EXISTING 3/4" GALVANIZED SCHEDULE 40 PIPE TO REMAIN FROM 1-1/4" GALVANIZED PIPE - SEE AS-BUILTS
- PROTECT EXISTING SHUTOFF VALVE IN PLACE WHERE SHOWN ON PLAN - EXISTING 1-1/2" SHUTOFF VALVE IN YARD BOX TO REMAIN - REPLACE IF DAMAGED
- EXISTING 4" WATER METER AND DOUBLE CHECK BACKFLOW ASSEMBLY TO REMAIN - PROVIDES DOMESTIC WATER FOR THE ENTIRE SITE.

IRRIGATION KEYNOTES

1



LOS ANGELES UNIFIED SCHOOL DISTRICT

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PROJECT TITLE AND SCHOOL LOCATION

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BRIDGE REMOVAL
717 North Figueroa Street
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COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT

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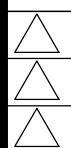
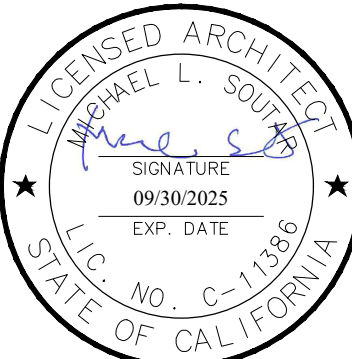
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STAMPS/SEALS



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SHEET TITLE:

IRRIGATION PLAN

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP

DRAWN: JDC CHECKED: JDC

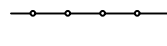
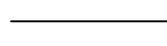
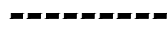
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L-200

DATE: 12.12.23 SHEET: 9 OF: 63

PRINTED DATE: A 11/26/2024

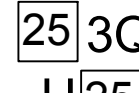
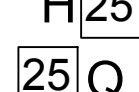
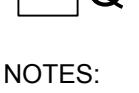
IRRIGATION EQUIPMENT LEGEND

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION
	RAIN BIRD RAIN BIRD V.I.T.	ESP-LXME2-PRO WR2 SB-18SS	NEW IRRIGATION SMART CONTROLLER A WITH RAIN SENSOR AND REAL TIME FLOW MONITORING - MOUNTED INSIDE FREE STANDING FRONT ENTRY VANDAL RESISTANT SECURITY ENCLOSURE AS PART OF CONTROLLER ASSEMBLY AVAILABLE FROM IMPERIAL TECHNICAL SERVICES - SEE SHEET L-200 FOR LOCATION OF NEW CONTROLLER AND NEW RAIN SENSOR - SEE CONTROLLER NOTES FOR ADDITIONAL INFORMATION AND IMPERIAL TECHNICAL SERVICES ORDERING SPECIFICATION NUMBER FOR CONTROLLER ASSEMBLY ON THIS SHEET - INSTALL PER DETAIL 1, SHEET L-202.
	FEBCO FEBCO V.I.T.	LF825YA (1.5") LF777 (1.5") SBBC-22SS	NEW 1.5-INCH SIZE BRONZE REDUCED PRESSURE (RP) BACKFLOW ASSEMBLY A WITH NEW 1.5-INCH BRONZE Y TYPE STRAINER - LOCATE BACKFLOW AT NEW POINT OF CONNECTION PER IRRIGATION PLAN, CIVIL PLANS, NOTES AND DETAILS - LOCATE ASSEMBLY WITHIN PLANTER AREA PER PLAN - INSTALL WITH VERTICAL FLOW IN VERTICAL FLOW OUT CONFIGURATION - PROVIDE SHOP DRAWING OF LOCATION FOR REVIEW AND FINAL APPROVAL BY LANDSCAPE ARCHITECT AND CIVIL ENGINEER PRIOR TO INSTALLATION - INSTALL PER DETAIL 2, SHEET L-202.
	NETAFIM	65ARIB1-150	NEW 1 INCH-SIZE CONTINUOUS ACTING AIR VENT - LOCATE WITHIN PLANTER AREA - INSTALL PER DETAIL 4, SHEET L-202.
	NETAFIM	LHM15ERG0.1-MEL	NEW 1.5 INCH-SIZE HYDROMETER (WATER METER / FLOW SENSOR / NORMALLY OPEN MASTER VALVE COMBO) - LOCATE WITHIN PLANTER AREA - INSTALL PER DETAIL 5, SHEET L-202 - SEE CONTROLLER NOTES FOR ADDITIONAL INFORMATION (INCLUDED WITH CONTROLLER ASSEMBLY).
	I.T.S.	FSW16	NEW FLOW SENSOR SIGNAL CABLE - WITH PULL BOXES EVERY 200 - SEE DETAIL 3, SHEET L-204 AND REFER TO DETAIL 5, SHEET L-202 - SEE CONTROLLER NOTES FOR ADDITIONAL INFORMATION (INCLUDED WITH CONTROLLER ASSEMBLY).
	NIBCO	T-113K	NEW GATE VALVE - CLASS 125 BRONZE - LINE SIZE - FOR USE ON MAIN LINE ONLY - NON-RISING STEM - THREADED (WITH CROSS HANDLE) - INSTALL PER DETAIL 3, SHEET L-202 - REFER TO DETAIL 3, SHEET L-203.
	SUPERIOR NIBCO	950-200-PRS (2") T-585-80-LF (2")	PROPOSED ELECTRIC CONTROL VALVE (ROTORS ONLY) - 2-INCH SIZE - INSTALL PER DETAIL 2, SHEET L-203 - REFER TO DETAIL 3, SHEET L-203. PROVIDE 2-INCH SIZE - CLASS 125 BRONZE - LEAD FREE - THREADED NPT X NPT BALL VALVE - PROVIDE ROUND HANDLE OPTION
	RAIN BIRD	44LRC	PROPOSED QUICK COUPLER VALVE - USE 1-INCH SIZE - LOCKING RUBBER COVER - INSTALL PER DETAIL 1, SHEET L-203 - REFER TO DETAIL 3, SHEET L-203.
	PROPOSED ROTOR LATERAL LINE PIPING - SCHEDULE 40 PVC - 3/4" MINIMUM SIZE - SIZES NOTED ON PLANS - INSTALL PER DETAIL 4, SHEET L-203.		
	PROPOSED PRESSURE MAIN LINE PIPING - SCHEDULE 40 PVC - 1.5-INCH SIZE - SIZE NOTED ON PLANS - INSTALL PER DETAIL 4, SHEET L-203.		
	EXISTING SHUTOFF VALVE TO REMAIN - PROTECT IN PLACE - 1-1/2-INCH SIZE - INSTALLED IN EXISTING YARD BOX - LOCATION SHOWN ON SHEET L-200 - REPLACE IF DAMAGED DURING CONSTRUCTION		
	EXISTING PRESSURE MAIN LINE PIPING TO REMAIN - PROTECT IN PLACE - 1-1/4-INCH SIZE - UNDER EXISTING PAVEMENT - CONNECT AT LOCATION SHOWN ON SHEET L-200 TO NEW MAIN LINE PIPING WITH A GALVANIZED SCHEDULE 40 TO PVC SCHEDULE 40 ELBOW FITTING/ADAPTER - PROVIDE MAIN LINE PRESSURE TEST BEFORE BACKFILLING MAIN LINE TRENCH OR INSTALLING ANY NEW VALVES ALONG NEW MAIN LINE SEGMENT - SEE GENERAL IRRIGATION NOTES THIS SHEET		
	EXISTING HOSE BIBB TO REMAIN - NOTE LOCATION AND POINT OF CONNECTION PRIOR TO START OF LANDSCAPE DEMOLITION - IF DAMAGED REPAIR OR REPLACE AT NO ADDITIONAL COST TO DISTRICT		
	EXISTING LATERAL LINE PIPING TO BE REMOVED - VARIOUS SIZES - ON-GRADE - GALVANIZED PIPE SCHEDULE 40 - DISPOSE OF LEGALLY OFF-SITE.		
	EXISTING LATERAL LINE PIPING TO BE REMOVED - VARIOUS SIZES - BELOW-GRADE - PVC PIPE SCHEDULE 40 - DISPOSE OF LEGALLY OFF-SITE.		
	EXISTING PRESSURE MAIN LINE PIPING - 1-1/4-INCH SIZE - GALVANIZED PIPE SCHEDULE 40 - REMOVE PIPING UP TO NEW SYSTEM CONNECTION AS SHOWN ON SHEET L-200 - DISCONNECT AT LOCATION SHOWN ON SHEET L-200 TO PROVIDE POINT OF CONNECTION FOR NEW MAIN LINE PIPING WITH A GALVANIZED SCHEDULE 40 TO PVC SCHEDULE 40 FITTINGS, ADAPTERS, AND SCHEDULE 80 PIPE NIPPLES AS NEEDED		
	EXISTING MANUAL CONTROL VALVES - 3/4" SIZE - REMOVE PRIOR TO DEMOLITION BY OTHERS AND DISPOSE OF EQUIPMENT LEGALLY OFF-SITE INCLUDING SLEEVE, ATMOSPHERIC VACUUM BREAKER, AND FITTINGS - APPROXIMATE TOTAL IS FOUR (4) MANUAL VALVES AND UP TO FOUR (4) ATMOSPHERIC VACUUM BREAKERS.		
	EXISTING ROTOR HEAD LOCATIONS (APPROXIMATE) - REMOVE PRIOR TO DEMOLITION BY OTHERS AND DISPOSE OF EQUIPMENT LEGALLY OFF-SITE INCLUDING ROTOR HEADS, ROTOR NOZZLES, REBAR STAKES, AND SWING JOINTS - COORDINATE WITH DISTRICT AND GENERAL CONTRACTOR TO ENSURE ALL EQUIPMENT IS REMOVED - APPROXIMATELY 14 TOTAL TO BE REMOVED.		
NOTES:	NOTES: LOCATIONS ARE SHOWN ON IRRIGATION DEMOLITION PLAN, SHEET L-200. CONTRACTOR TO CONFIRM LOCATIONS IN THE FIELD FOR ALL ROTORS AND OTHER EXISTING EQUIPMENT WITH ARCHITECT DURING PRE-CON SITE WALK		

NOTES:

1. PROVIDE LANDSCAPE FABRIC MODEL NUMBER 140N, AS MANUFACTURED BY MIRAfi, OR APPROVED EQUAL. TYPICAL FOR ALL ROUND AND RECTANGULAR VALVE BOX INSTALLATIONS.
2. ROUND AND RECTANGULAR VALVE BOXES ARE GREEN IN COLOR AND INCLUDE LOCKING BOLTS PER SPECIFICATIONS. FOR LAYOUT SEE DETAIL 3, SHEET L-203. UPSIZE FOR LARGER EQUIPMENT AS NECESSARY

ROTOR SPRINKLER LEGEND:

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	NOZZLE	RADIUS	G.P.M.	P.S.I.	PATTERN	PRECIP RATE	COLOR CODE
	HUNTER	I-25-06-SS	6" POP-UP ROTOR SPRINKLER	13	40	11.2	50	270°	0.80"	ORANGE
	HUNTER	I-25-06-SS	6" POP-UP ROTOR SPRINKLER	08	40	7.7	40	180°	0.80"	YELLOW
	HUNTER	I-25-06-SS	6" POP-UP ROTOR SPRINKLER	04	40	3.8	40	90°	0.80"	

NOTES:

ADJUST ROTOR SPRINKLERS FOR HEAD TO HEAD COVERAGE AND ADJUST RADIUS CONTROL TO AVOID OVERSPRAY ONTO HARDSCAPE, FENCING, BUILDINGS, ETC.
CAUTION: DO NOT REDUCE RADIUS MORE THAN 30% - IF 30% OR GREATER RADIUS REDUCTION IS NEEDED PROVIDE SUBSTITUTE NOZZLE

INSTALL ROTOR SPRINKLERS PER DETAIL 1 ON SHEET L-204

1. ARC PATTERN OF ROTORS ARE ADJUSTABLE WITHIN THE RANGE OF DEGREES INDICATED BY THE MANUFACTURER.
NOTE: PATTERNS SHOWN PROVIDE MATCHED PRECIPITATION ACROSS ROTOR SYSTEMS.

2. ROTOR NOZZLES ARE HIGH EFFICIENCY WATER LUBRICATED GEAR DRIVE WITH NOZZLES INSTALLED ON 1" INLET POP-UP ROTOR SPRINKLER BODIES.
NOTE: SWING JOINT ASSEMBLIES TO BE MINIMUM 1" IN SIZE

3. MINIMUM LATERAL LINE SIZE IS 1-1/4" SCHEDULE 40 PVC

IRRIGATION LEGEND

IRRIGATION GENERAL NOTES:

1. IRRIGATION SYSTEM IS BASED ON MINIMUM PRESSURE AND MAXIMUM FLOW DEMAND SHOWN ON IRRIGATION DRAWINGS. REFER TO POINT-OF-CONNECTION NOTES. VERIFY PERMANENT WATER PRESSURE BEFORE THE START OF CONSTRUCTION. REPORT DIFFERENCES BETWEEN WATER PRESSURE INDICATED ON DRAWINGS AND ACTUAL SITE PRESSURE READING AT IRRIGATION POINT-OF-CONNECTION TO ARCHITECT FOR RESOLUTION. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO START OF CONSTRUCTION, ASSUME FULL RESPONSIBILITY FOR REVISIONS.
2. COORDINATE THE 120-VOLT ELECTRICAL POWER SUPPLY TO THE IRRIGATION CONTROLLER. INSTALLATION OF ELECTRICAL POWER CONNECTIONS REQUIRE COORDINATION TO EXTEND POWER CONDUIT TO NEW CONTROLLER LOCATION BY CONTRACTOR. CONNECT FINAL HOOK-UP FROM THE ELECTRICAL POWER OUTLET TO IRRIGATION CONTROLLER.
3. THIS DESIGN IS DIAGRAMMATIC. PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS OR BUILDINGS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL ALL PIPING AND IRRIGATION FACILITIES WITHIN PLANTING AREAS WHERE POSSIBLE. AVOID CONFLICTS BETWEEN IRRIGATION SYSTEM, LANDSCAPE PLANTING, SITE IMPROVEMENTS, AND ARCHITECTURAL FEATURES.
4. FLUSH AND ADJUST THE IRRIGATION SYSTEM FOR OPTIMUM PERFORMANCE. THROTTLE THE FLOW CONTROL ADJUSTMENT AT EACH CONTROL VALVE TO OBTAIN OPTIMUM PRESSURE FOR NEW DRIPLINE, NEW ROTORS, NEW SPRAY SYSTEMS, EXISTING DRIPLINE, EXISTING ROTORS AND EXISTING SPRAY SYSTEMS.
5. DO NOT WILLFULLY INSTALL IRRIGATION SYSTEM AS INDICATED ON DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT EXISTING OBSTRUCTIONS, GRADE DIFFERENCES IN AREA DIMENSIONS, AND OTHER SITE SPECIFIC INFORMATION THAT MIGHT NOT HAVE BEEN CONSIDERED DURING DESIGN. NOTIFY THE ARCHITECT OF SUCH OBSTRUCTIONS OR DIFFERENCES FOR RESOLUTION. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, ASSUME FULL RESPONSIBILITY FOR REVISIONS.
6. IT IS THE CONTRACTOR S RESPONSIBILITY TO BECOME FAMILIAR WITH GRADE DIFFERENCES, WALL/HARDSCAPE LOCATIONS, ETC. COORDINATE WORK FOR THE INSTALLATION OF IRRIGATION PIPE SLEEVES THROUGH WALLS, UNDER PAVEMENT AND STRUCTURES, ETC.
7. INSTALL PIPING, RELATED MATERIALS AND EQUIPMENT AS SHOWN ON THE DRAWINGS. USE TEFLON TAPE ON PVC MALE PIPE THREADS, INCLUDING SWING JOINT AND VALVE ASSEMBLIES. DO NOT USE PIPE DOPE. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF SUFFICIENTLY SIZED MAIN LINE AND LATERAL LINE SLEEVES UNDER PAVED AREAS, IN ADDITION TO ANY MAIN LINE AND LATERAL LINE SLEEVES SHOWN ON THE DRAWINGS.
8. TEST ALL PRESSURE MAIN LINES UNDER HYDROSTATIC PRESSURE OF 150 PSI FOR A PERIOD OF 3 HOURS. TESTING OF PRESSURE MAIN LINE PIPING SHALL OCCUR PRIOR TO THE INSTALLATION OF ANY ELECTRIC CONTROL VALVES, BASKET STRAINERS, QUICK COUPLING VALVES AND OTHER PRESSURE-SIDE IRRIGATION FACILITIES. PRESSURE TESTING RESULTS SHALL BE SUBMITTED TO CONTRACTING OFFICER PRIOR TO BACKFILLING. IOR SHALL BE PRESENT FOR PRESSURE TESTING OF MAIN LINES.
9. THE ESTABLISHMENT OF AUTOMATIC SEASONAL ADJUSTMENTS AND BASIC CONTROLLER PROGRAMMING IS THE RESPONSIBILITY OF THE CONTRACTOR. MAKE ARRANGEMENTS WITH A FIELD TECHNICIAN FOR A SITE VISIT ON INSTRUCTION OF ESTABLISHING AUTOMATIC CONTROLLER BASIC PROGRAMMING INFORMATION AND AUTOMATIC SEASONAL SCHEDULING. CONTROLLER PROGRAMMING INFORMATION REQUIRED INCLUDES, BUT IS NOT LIMITED TO PRECIPITATION RATES, PLANT WATER-USE FACTORS, SYSTEM EFFICIENCY RATINGS, FLOW SENSOR CALIBRATION, AND MONTHLY HISTORIC DATA.

IRRIGATION CONTROLLER NOTES:

IRRIGATION CONTROLLERS SYSTEM OVERVIEW:

THERE IS NO EXISTING IRRIGATION CONTROLLER FOR THE SCHOOL LANDSCAPE AREAS WITHIN THE LIMIT OF WORK. EXISTING SYSTEM IS OPERATED MANUALLY.

THE NEW "SMART" WEATHER BASED IRRIGATION CONTROLLER SYSTEM IS THE RAIN BIRD ESP-LXME2-PRO MODULAR CONTROLLER WITH FLOW SENSING AND A WIRELESS RAIN/FREEZE SENSOR.

THE RAIN BIRD ESP-LXME2 PRO SMART CONTROLLER IS SPECIFIED AS PART OF THE CONTROLLER ENCLOSURE ASSEMBLY. CONTROLLER AS PART OF THE ENCLOSURE ASSEMBLY INCLUDES A LIMITED 5 YEAR WARRANTY. THE V.I.T. PRODUCTS STAINLESS STEEL PEDESTAL MOUNTED ENCLOSURE COMES WITH A 10-YEAR WARRANTY.

THE ESP-LXME2-PRO CONTROLLER PROVIDES 4 INDEPENDENT PROGRAMS, 8 START TIMES PER PROGRAM, REAL TIME FLOW MONITORING AND CYCLE AND SOAK. ASSIGN ONE FLOW SENSOR/WATER METER, AND MASTER VALVE WITH DEDICATED MAIN LINE TO THE CONTROLLER. A WIRELESS RAIN SENSOR UNIT IS NOT INCLUDED IN THE CONTROLLER ASSEMBLY AND MUST BE ORDERED SEPARATELY. A NETAFIM OCTAVE FLOW SENSOR/WATER METER, STAINLESS STEEL FRONT ENTRY CONTROLLER ENCLOSURE, AND OTHER ACCESSORIES/OPTIONS ARE INCLUDED WITH THE CONTROLLER ASSEMBLY.

IRRIGATION CONTROLLER COORDINATION NOTES:

THE 120-VOLT POWER SERVICE TO THE CONTROLLER ENCLOSURE WILL BE PROVIDED AT THE CONTROLLER ENCLOSURE LOCATION PER ELECTRICAL ENGINEER PLANS. ETHERNET/LAN IQ CENTRAL CONTROL CABLE WILL BE PROVIDED AT THE CONTROLLER ENCLOSURE LOCATION PER ELECTRICAL ENGINEER PLANS. CONTRACTOR SHALL EXTEND APPROVED CONDUITS FROM THE ELECTRICAL CONDUIT STUBOUT TO THE PROPOSED ENCLOSURE WHERE SHOWN ON THE PLANS. FINAL HOOK-UP OF THE ELECTRICAL POWER AND ETHERNET/LAN CABLE TO THE CONTROLLER SHALL BE THE RESPONSIBILITY OF CONTRACTOR. THE CONTROLLER ENCLOSURE ASSEMBLY IS AVAILABLE THROUGH IMPERIAL TECHNICAL SERVICES AT PHONE NUMBER (714) 696-7545. CONTACT DARYL GREEN, OF GREEN PRODUCT SALES, AT (949) 584-7311 TO ARRANGE A SITE INSPECTION. COORDINATE THE VARIOUS CABLE ROUTINGS AND CONNECTIONS FROM THE SENSOR ASSEMBLIES AND CONTROL VALVES TO THE OPERATING UNIT.

COORDINATE THE VARIOUS WIRES, PULL BOXES, CONDUITS AND OTHER NEW WIRING CONNECTIONS FROM NEW CONTROLLER TO NEW VALVES, POWER SUPPLY, ETHERNET/LAN CABLE AND SENSORS. COORDINATE NEW WIRE SLEEVES FOR ANY CONTROL OR COMMON WIRES BEING RUN UNDER PAVING (ASPHALT, CONCRETE, ETC.) WITH GENERAL CONTRACTOR. USE ONLY UL LISTED CONDUIT SLEEVES FOR FLOW SENSOR WIRE FROM CONTROLLER TO FLOW SENSOR.

PROVIDE 2 SPARE CONTROL WIRES AND 1 SPARE COMMON WIRE AT THE 1 LOCATION SHOWN ON THE PLAN PER THE SPARE WIRE NOTE - SEE PLAN FOR LOCATION.

IRRIGATION CONTROLLER NOTE - SYSTEM A:

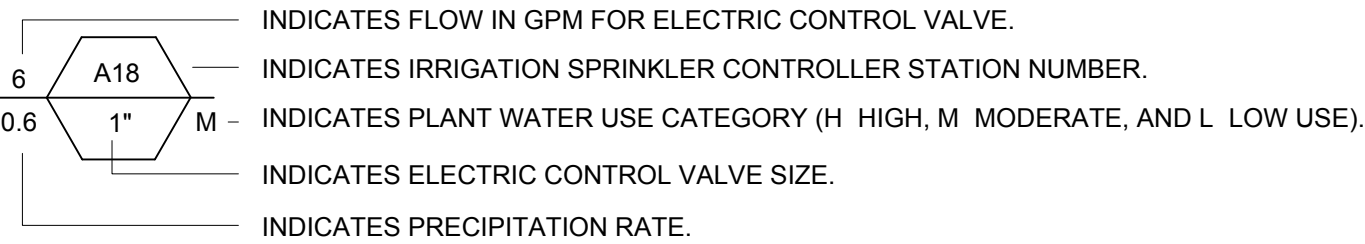
ONE (1) RAIN BIRD ESP-LXME2-PRO - 12 STATION AUTOMATIC CONTROLLER A MOUNTED WITHIN AN I.T.S (IMPERIAL TECHNICAL SERVICES) HEAVY DUTY PEDESTAL MOUNTED FRONT ENTRY CONTROLLER ENCLOSURE ASSEMBLY. PROVIDE MODEL NUMBER ICA1-RB3-12/IQ-ETH/RMPMX-RBLX/FSW16/SP/GR-K/FSVMO-150N/MP-18, OR EQUAL. ENCLOSURE ASSEMBLY CONSISTS OF, BUT IS NOT LIMITED TO, CONTROLLER LISTED ABOVE, IQ ETHERNET (LAN) COMMUNICATION CARTRIDGE, RAIN MASTER PROMAX TRANSMITTER AND RECEIVER KIT FOR LX SERIES CONTROLLERS, FLOW SENSING CABLE, 1.5" WATER SUB-METER/FLOW SENSOR/MASTER VALVE WITH FLOW GUARD FLOW MONITOR, SURGE PROTECTION - 120V, 8 GROUND ROD AND CLAMP, AND ONE ON-OFF SWITCH WITH GFI OUTLET, PRE-WIRED WITHIN A V.I.T. HEAVY DUTY STAINLESS STEEL PEDESTAL MOUNTED FRONT ENTRY ENCLOSURE WITH QUICK MOUNTING PAD. ORDER WIRELESS RAIN/FREEZE SENSOR SEPARATELY FROM RAIN BIRD.

CONTROLLER A - CONNECT ALL NEW VALVES (5 TOTAL) TO NEW CONTROLLER - 7 STATIONS AVAILABLE FOR FUTURE USE - 2 SPARE CONTROL WIRES PROVIDED AT ECV A5

IRRIGATION NOTES

1

VALVE CALLOUT LEGEND:



See Sheets L-100 thru L-101 for Planting Plans
See Sheet L-200 for Irrigation Plan
See Sheet L-201 for Irrigation Legend and Notes
See Sheets L-202 thru L-204 for Irrigation Details
See Sheet L-205 for Irrigation Calculations

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123812 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024



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TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
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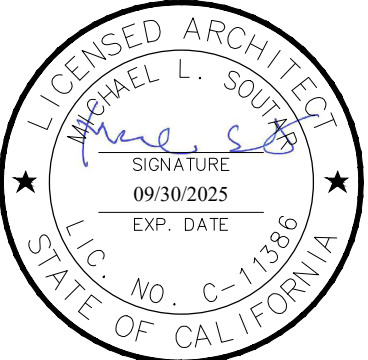
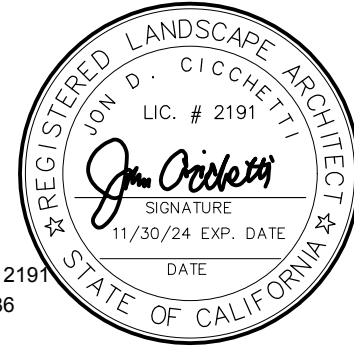


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STAMPS/SEALS



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SHEET TITLE:

IRRIGATION LEGEND
AND NOTES

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP

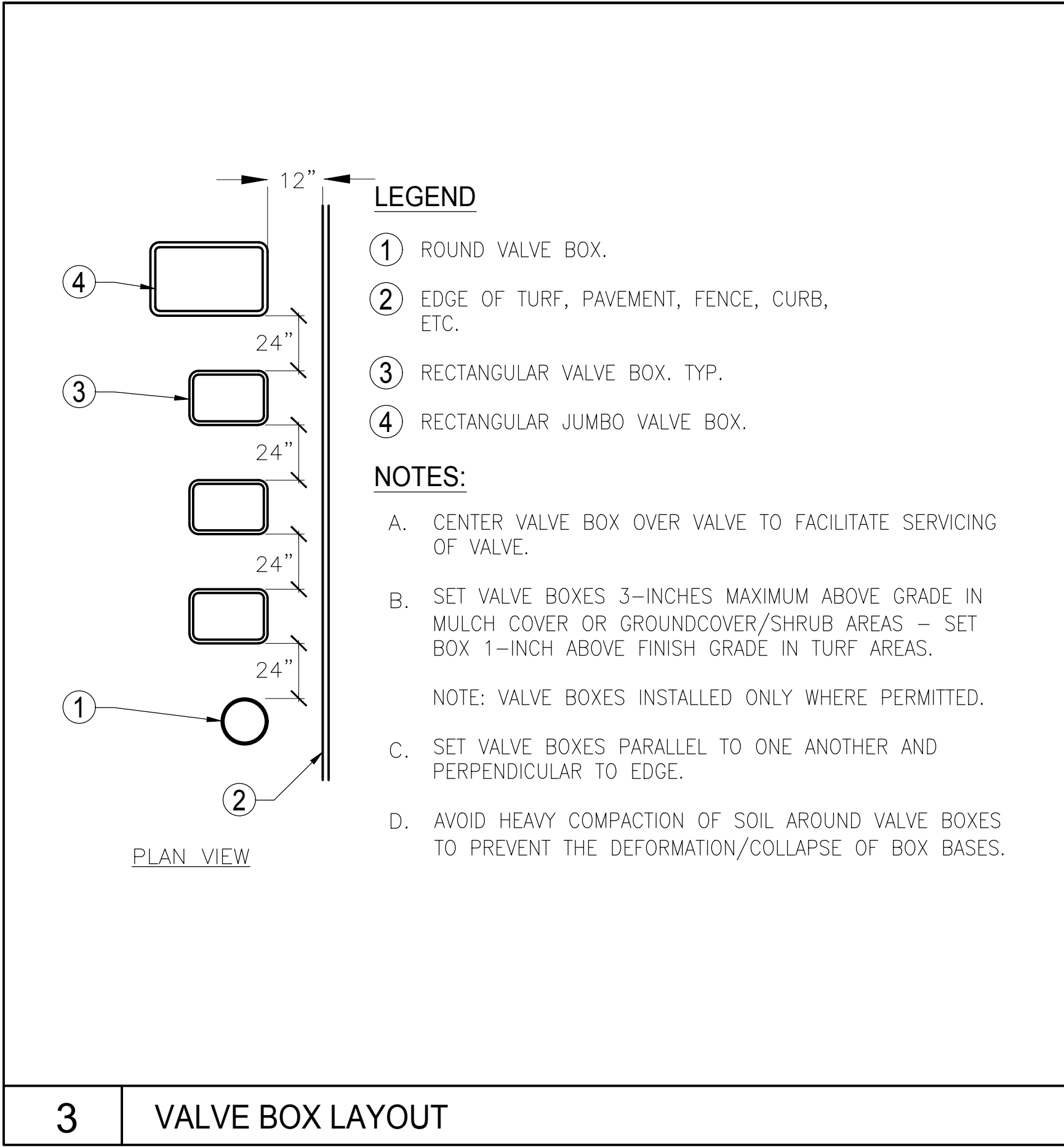
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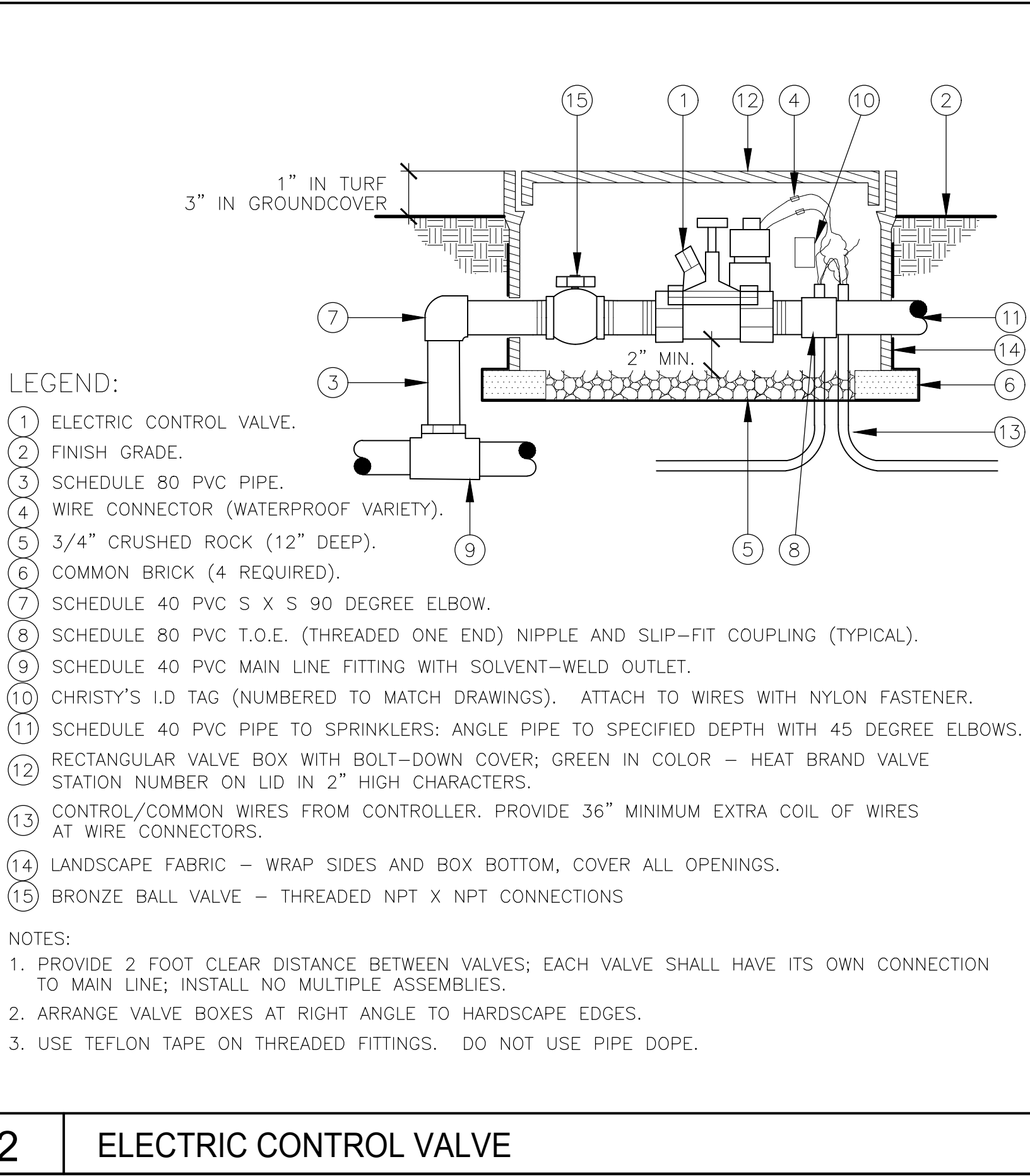
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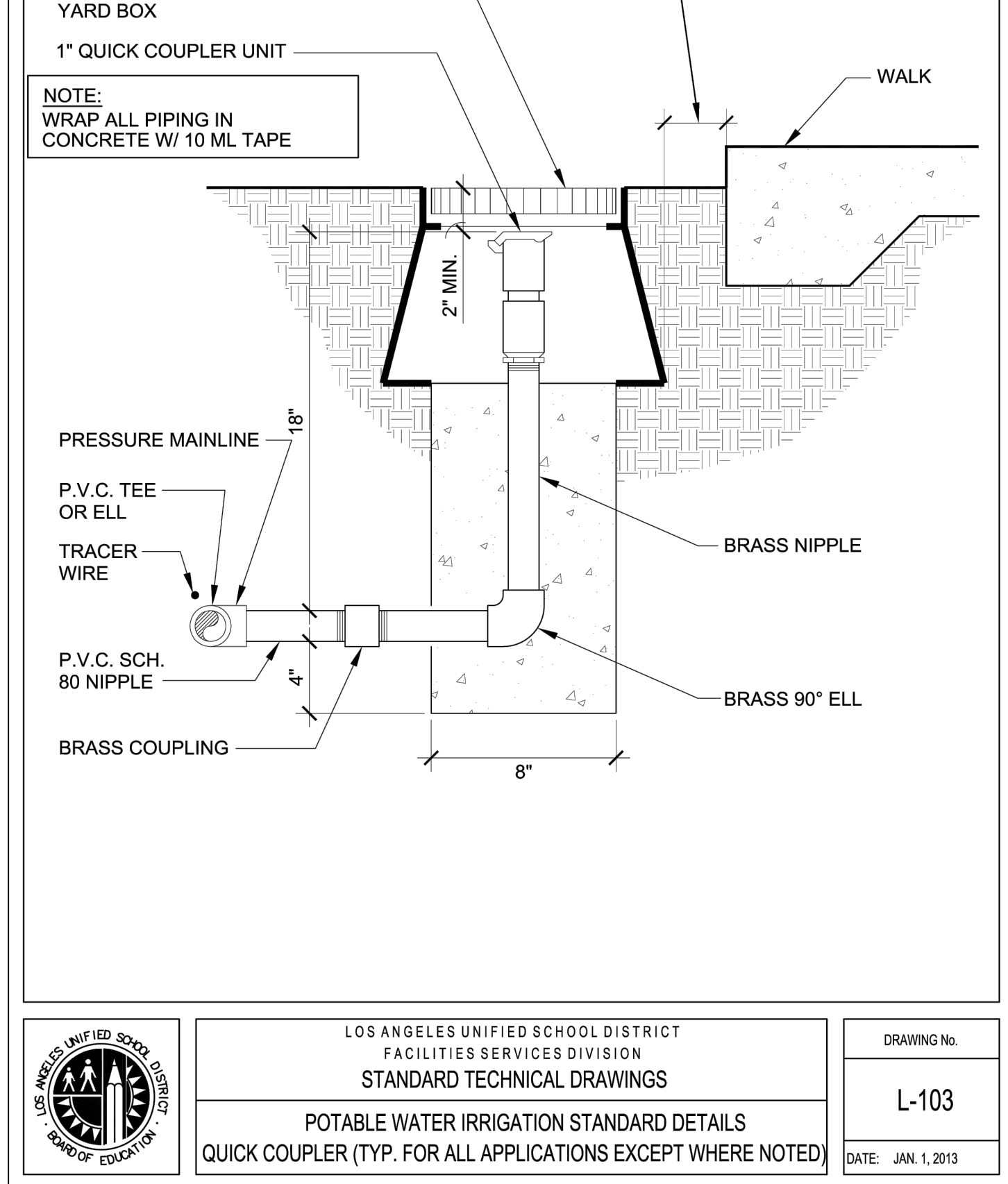
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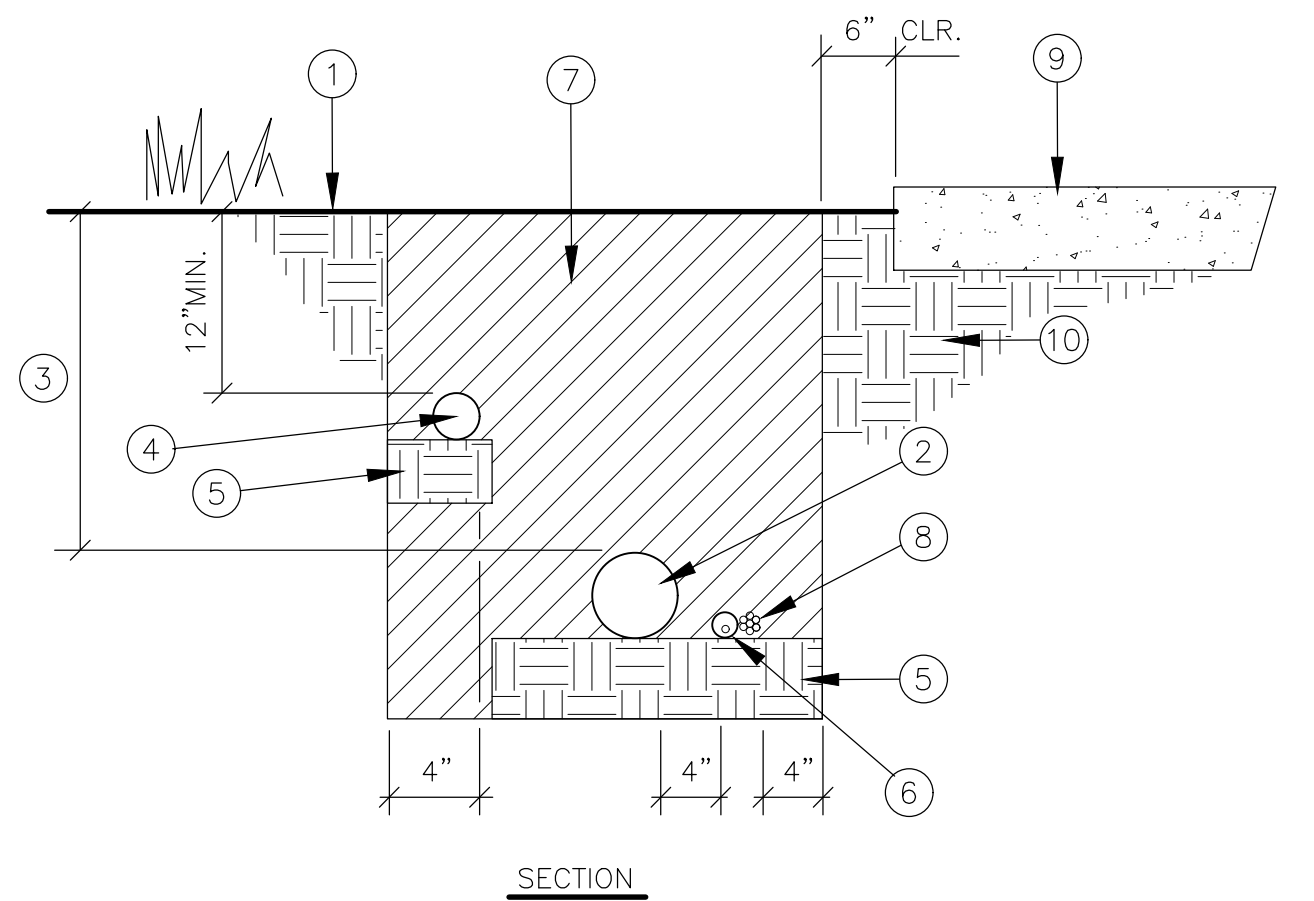
3 VALVE BOX LAYOUT



2 ELECTRIC CONTROL VALVE



1 QUICK COUPLER VALVE



- LEGEND:
- ① FINISH GRADE.
- ② PRESSURE MAIN LINE PIPING.
- ③ DEPTH OF MAIN LINE PIPING @ 18" MINIMUM DEPTH, INCLUDING BELOW PEDESTRIAN PAVEMENT.
- ④ NON-PRESSURE LATERAL LINE PIPING.
- ⑤ PROVIDE 2" DEPTH OF CLEAN BACKFILL BELOW PIPING. TYPICAL.
- ⑥ FLOW SENSOR SIGNAL CABLE AND CONDUIT.
- ⑦ CLEAN COMPACTED BACKFILL – SEE SPECIFICATIONS FOR BACKFILL & COMPACTION REQUIREMENTS.
- ⑧ CONTROL WIRES – BUNDLE AND TAPE EVERY 10- FEET – INSTALL ADJACENT TO PRESSURE MAIN LINE.
- ⑨ CURB, PAVING OR WALL. TYPICAL.
- ⑩ NATIVE SOIL.

- NOTES:
1. LOCATE SIGNAL CABLE WITHIN MAIN LINE AND CONTROL WIRE TRENCH WHERE POSSIBLE.
2. INSTALL MAIN LINE WITH 36" SOIL COVER BELOW VEHICULAR PAVEMENT.
3. COORDINATE TRENCHING WITH ALL OTHER EXISTING/NEW UTILITIES AND UNDERGROUND STRUCTURES.

4 TRENCHING

See Sheets L-100 thru L-101 for Planting Plans

See Sheet L-200 for Irrigation Plan

See Sheet L-201 for Irrigation Legend and Notes

See Sheets L-202 thru L-204 for Irrigation Details

See Sheet L-205 for Irrigation Calculations



LOS ANGELES UNIFIED
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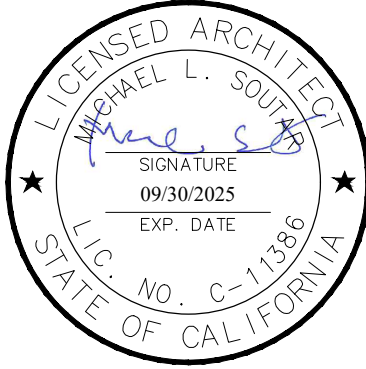
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LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT
Architects McDonald, Soutar & Paz, Inc.
3575 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA 90807
TEL (562) 427-9007 FAX (562) 427-3007
ARCHITECTSMSP.COM

CONSULTANT
JDC Landscape Architects
JDC 23-01
LANDSCAPE ARCHITECT C.N. 2191
140 LINDEN AVENUE, SUITE 286
LONG BEACH, CA 90802
PHONE: (562) 989-1880
EMAIL: CWGLANDARCH EARTHLINK.NET
STAMPS/SEALS



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IRRIGATION DETAILS

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: JDC CHECKED: JDC
SHEET NUMBER

L-203

DATE: 12.12.23 SHEET: 12 OF: 63



LOS ANGELES UNIFIED
SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
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Los Angeles, California 90012
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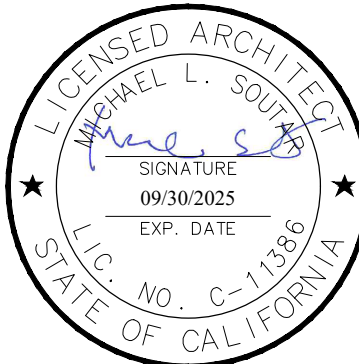


JDC 23-01

LANDSCAPE ARCHITECT C.N. 2191
140 LINDEN AVENUE, SUITE 286
LONG BEACH, CA 90802

PHONE: (562) 989-1880
EMAIL: CWGLANDARCH EARTHLINK.NET

STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

IRRIGATION DETAILS

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP

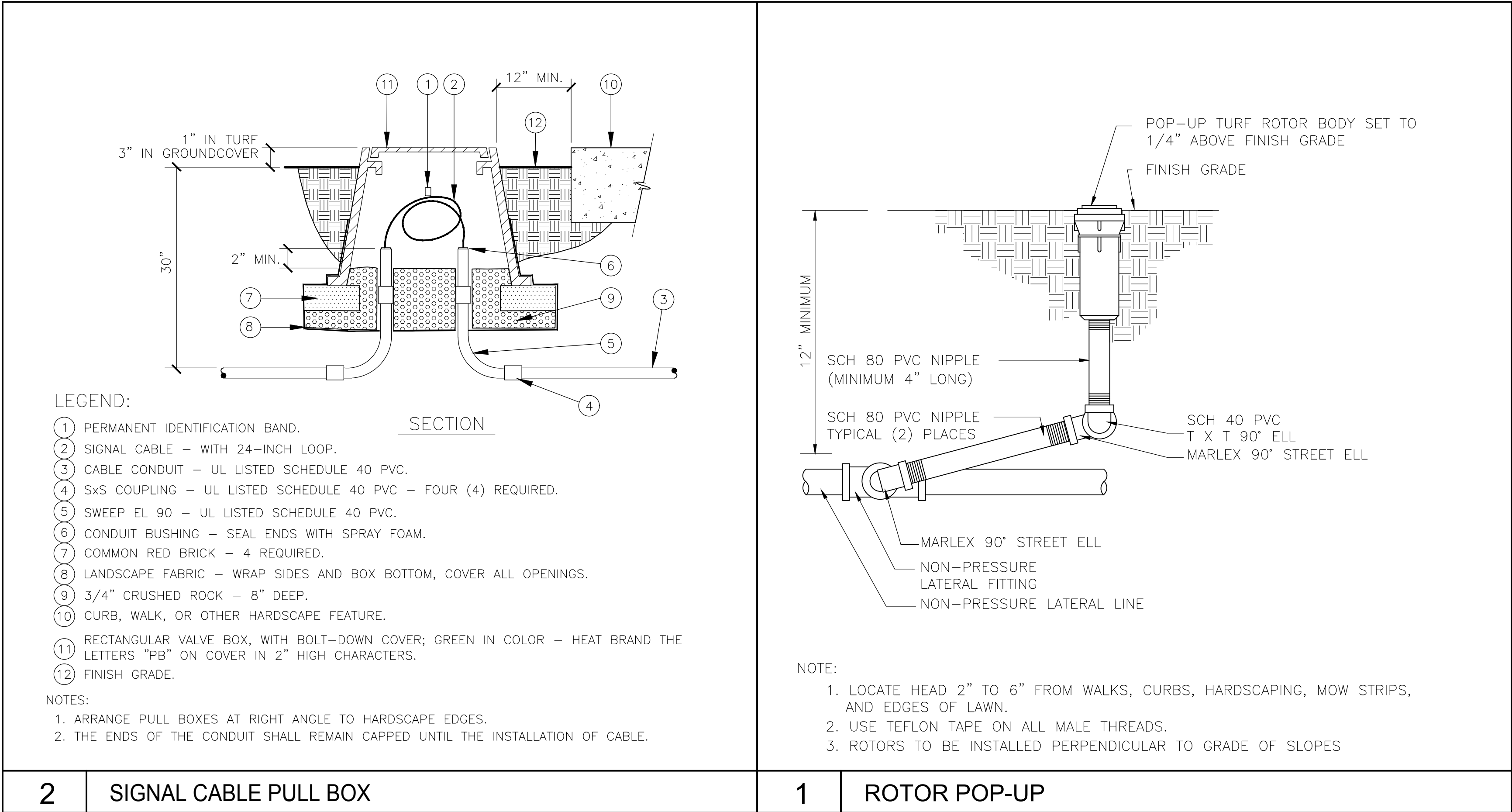
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SHEET NUMBER

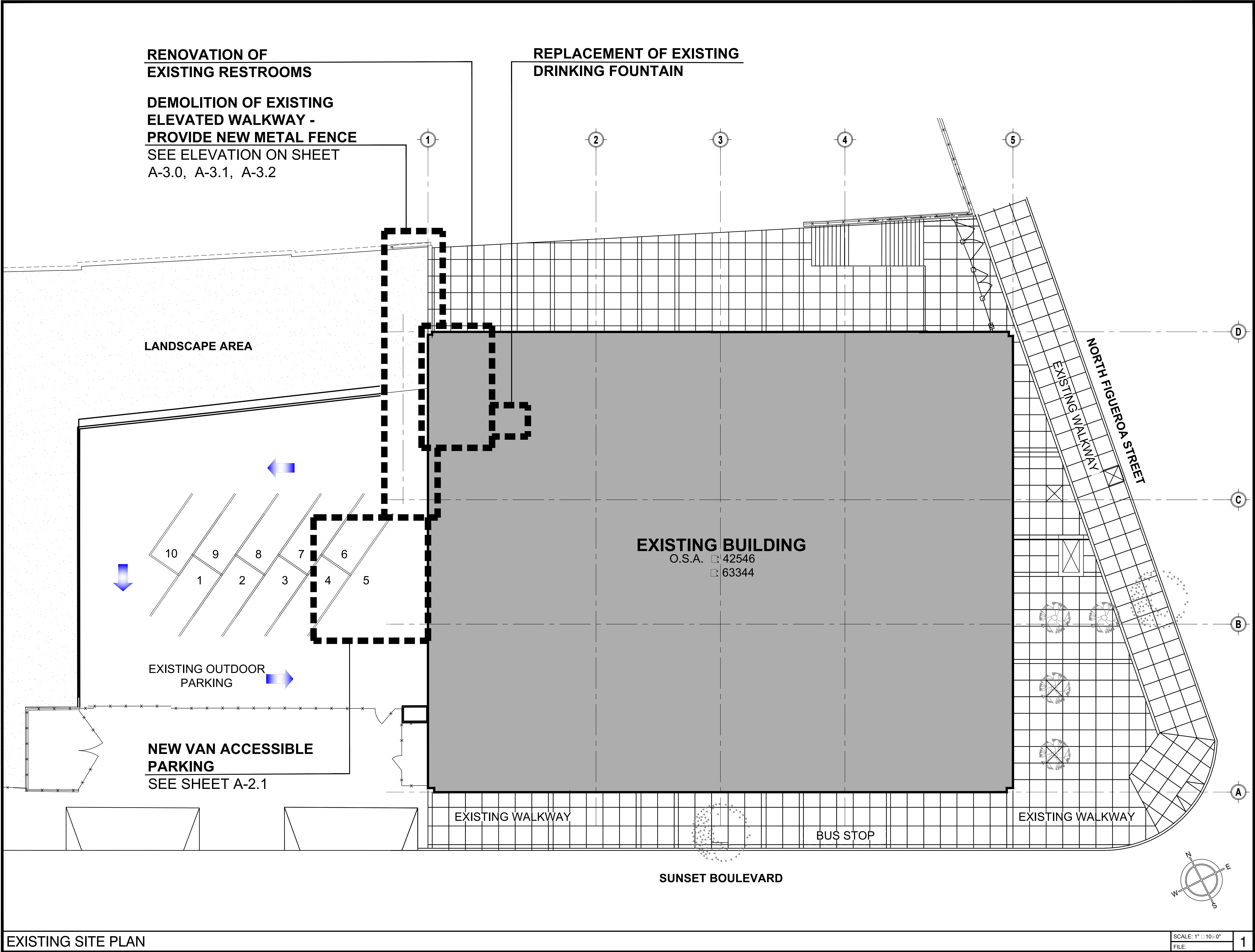
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DATE: 12.12.23 SHEET: 13 OF: 63

PRINTED DATE: A 11/26/2024



See Sheets L-100 thru L-101 for Planting Plans
See Sheet L-200 for Irrigation Plan
See Sheet L-201 for Irrigation Legend and Notes
See Sheets L-202 thru L-204 for Irrigation Details
See Sheet L-205 for Irrigation Calculations



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123812 INC:
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SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024



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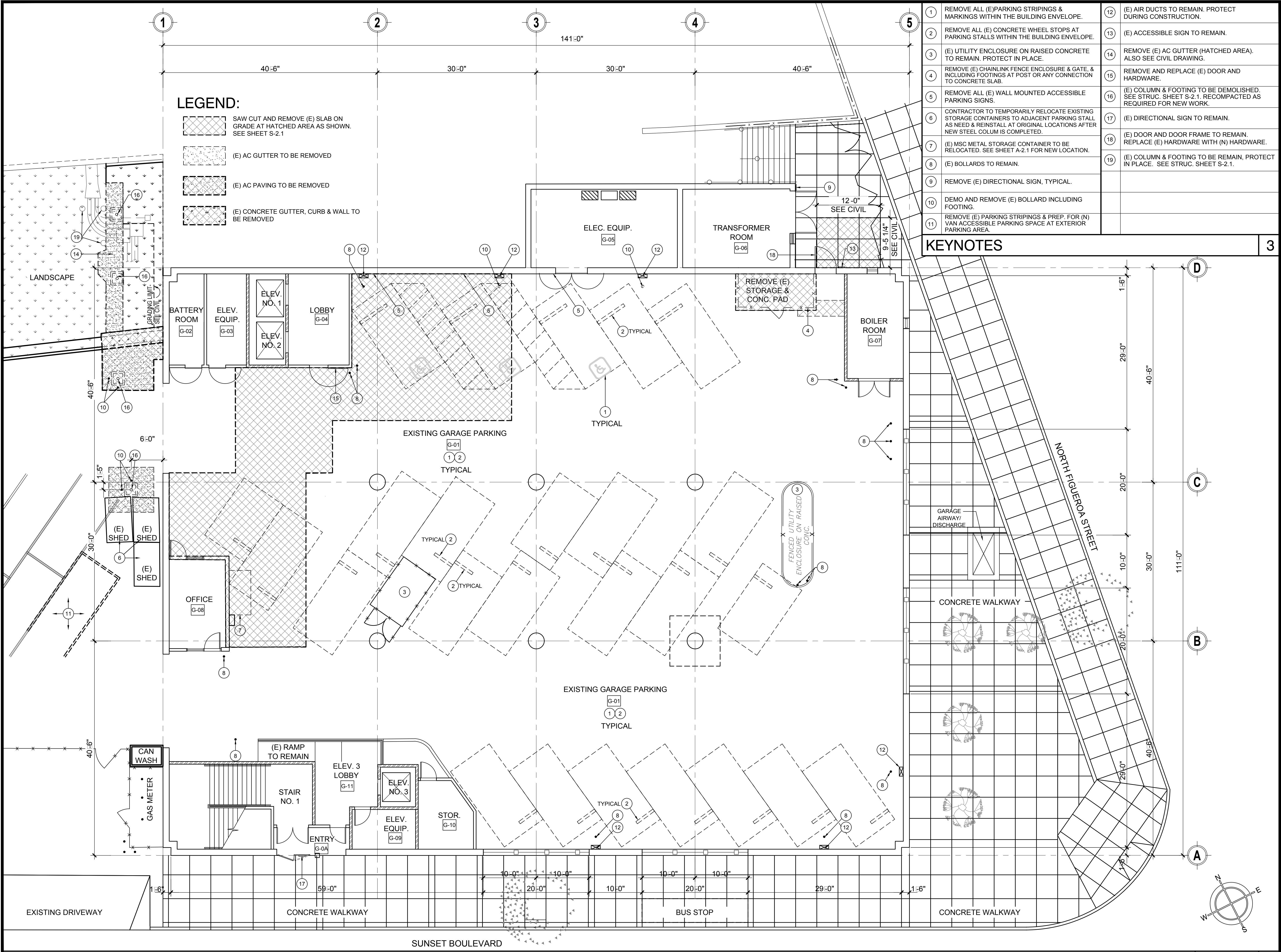
STAMPS/SEALS

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SHEET TITLE:

OVERALL SITE PLAN

MSP PROJECT NO.: 22-1322	PROJECT ARCH: MSP
DRAWN: MSP	CHECKED: MSP
SHEET NUMBER	
A-1.0	
DATE: 4.26.24	SHEET: 15 OF: 63



- LEGEND:**
- SAW CUT AND REMOVE (E) SLAB ON GRADE AT HATCHED AREA AS SHOWN. SEE SHEET S-2.1
 - (E) AC GUTTER TO BE REMOVED
 - (E) AC PAVING TO BE REMOVED
 - (E) CONCRETE GUTTER, CURB & WALL TO BE REMOVED

- | | | | |
|----|---|----|--|
| 1 | REMOVE ALL (E) PARKING STRIPINGS & MARKINGS WITHIN THE BUILDING ENVELOPE. | 12 | (E) AIR DUCTS TO REMAIN. PROTECT DURING CONSTRUCTION. |
| 2 | REMOVE ALL (E) CONCRETE WHEEL STOPS AT PARKING STALLS WITHIN THE BUILDING ENVELOPE. | 13 | (E) ACCESSIBLE SIGN TO REMAIN. |
| 3 | (E) UTILITY ENCLOSURE ON RAISED CONCRETE TO REMAIN. PROTECT IN PLACE. | 14 | REMOVE (E) AC GUTTER (HATCHED AREA). ALSO SEE CIVIL DRAWING. |
| 4 | REMOVE (E) CHAINLINK FENCE ENCLOSURE & GATE, & INCLUDING FOOTINGS AT POST OR ANY CONNECTION TO CONCRETE SLAB. | 15 | REMOVE AND REPLACE (E) DOOR AND HARDWARE. |
| 5 | REMOVE ALL (E) WALL MOUNTED ACCESSIBLE PARKING SIGNS. | 16 | (E) COLUMN & FOOTING TO BE DEMOLISHED. SEE STRUC. SHEET S-2.1. RECOMPACTED AS REQUIRED FOR NEW WORK. |
| 6 | CONTRACTOR TO TEMPORARILY RELOCATE EXISTING STORAGE CONTAINERS TO ADJACENT PARKING STALL AS NEED & REINSTALL AT ORIGINAL LOCATIONS AFTER NEW STEEL COLUMN IS COMPLETED. | 17 | (E) DIRECTIONAL SIGN TO REMAIN. |
| 7 | (E) MSC METAL STORAGE CONTAINER TO BE RELOCATED. SEE SHEET A-2.1 FOR NEW LOCATION. | 18 | (E) DOOR AND DOOR FRAME TO REMAIN. REPLACE (E) HARDWARE WITH (N) HARDWARE. |
| 8 | (E) BOLLARDS TO REMAIN. | 19 | (E) COLUMN & FOOTING TO BE REMAIN, PROTECT IN PLACE. SEE STRUC. SHEET S-2.1. |
| 9 | REMOVE (E) DIRECTIONAL SIGN, TYPICAL. | | |
| 10 | DEMO AND REMOVE (E) BOLLARD INCLUDING FOOTING. | | |
| 11 | REMOVE (E) PARKING STRIPINGS & PREP. FOR (N) VAN ACCESSIBLE PARKING SPACE AT EXTERIOR PARKING AREA. | | |

KEYNOTES

3

IDENTIFICATION STAMP
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LOS ANGELES UNIFIED SCHOOL DISTRICT

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CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT
MICHAEL L. SOUTAR
SIGNATURE
09/30/2025
EXP. DATE
NO. C-11386
STATE OF CALIFORNIA

100% SUBMITTAL

SHEET TITLE:
EXISTING GARAGE FLOOR PLAN

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: MSP CHECKED: MSP
SHEET NUMBER

A-2.0

DATE: 4.26.24 SHEET: 16 OF: 63

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

1

EXISTING GARAGE FLOOR PLAN

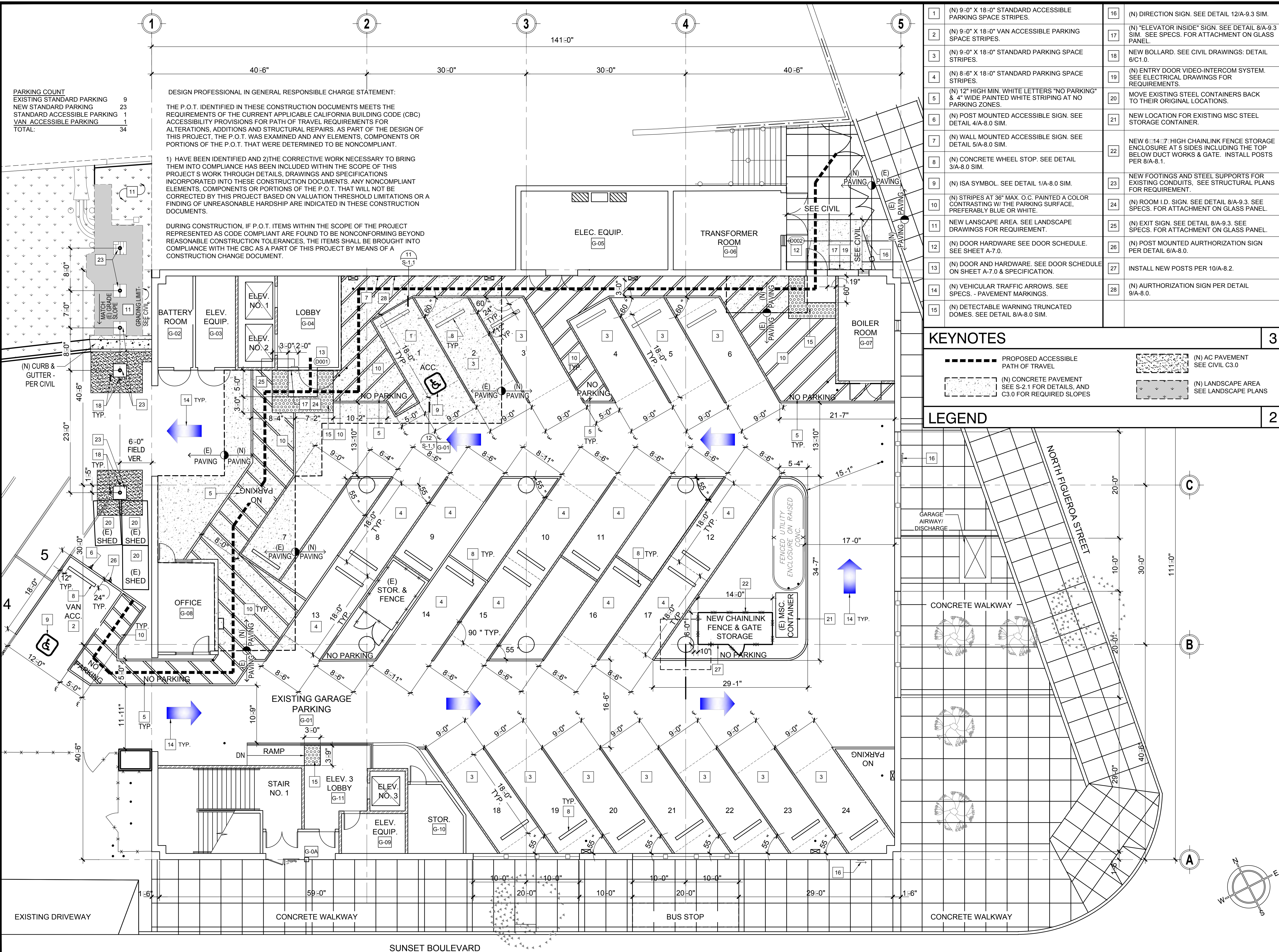
PARKING COUNT	
EXISTING STANDARD PARKING	9
NEW STANDARD PARKING	23
STANDARD ACCESSIBLE PARKING	1
VAN ACCESSIBLE PARKING	1
TOTAL	34

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT,

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 HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

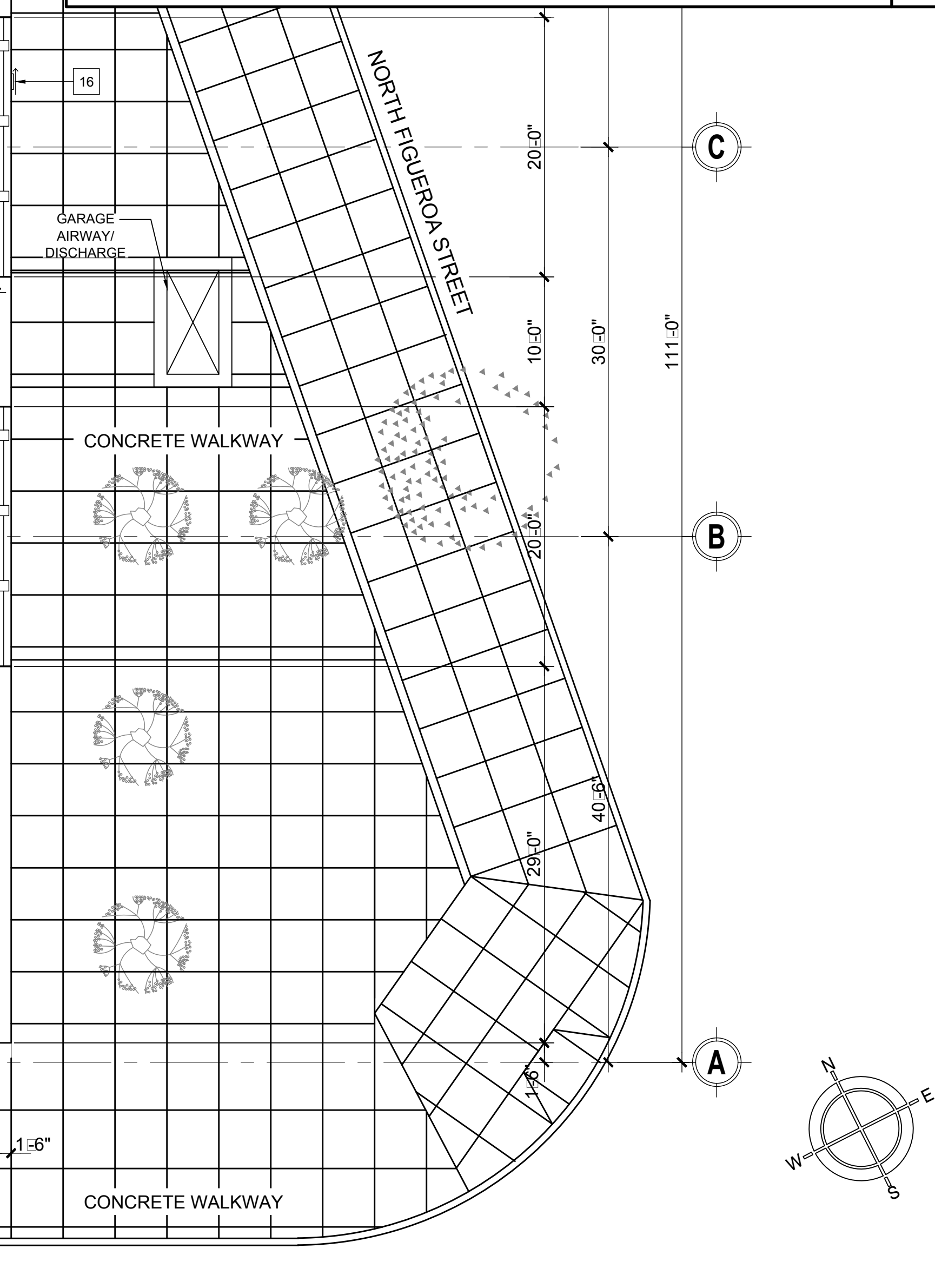


1	(N) 9'-0" X 18'-0" STANDARD ACCESSIBLE PARKING SPACE STRIPES.	16	(N) DIRECTION SIGN. SEE DETAIL 12/A-9.3 SIM.
2	(N) 9'-0" X 18'-0" VAN ACCESSIBLE PARKING SPACE STRIPES.	17	(N) "ELEVATOR INSIDE" SIGN. SEE DETAIL 8/A-9.3 SIM. SEE SPECS. FOR ATTACHMENT ON GLASS PANEL.
3	(N) 9'-0" X 18'-0" STANDARD PARKING SPACE STRIPES.	18	NEW BOLLARD. SEE CIVIL DRAWINGS: DETAIL 6/C1.0.
4	(N) 8'-6" X 18'-0" STANDARD PARKING SPACE STRIPES.	19	(N) ENTRY DOOR VIDEO-INTERCOM SYSTEM. SEE ELECTRICAL DRAWINGS FOR REQUIREMENTS.
5	(N) 12" HIGH MIN. WHITE LETTERS "NO PARKING" & 4" WIDE PAINTED WHITE STRIPING AT NO PARKING ZONES.	20	MOVE EXISTING STEEL CONTAINERS BACK TO THEIR ORIGINAL LOCATIONS.
6	(N) POST MOUNTED ACCESSIBLE SIGN. SEE DETAIL 4/A-8.0 SIM.	21	NEW LOCATION FOR EXISTING MSC STEEL STORAGE CONTAINER.
7	(N) WALL MOUNTED ACCESSIBLE SIGN. SEE DETAIL 5/A-8.0 SIM.	22	NEW 6'-14'-7" HIGH CHAINLINK FENCE STORAGE ENCLOSURE AT 5 SIDES INCLUDING THE TOP BELOW DUCT WORKS & GATE. INSTALL POSTS PER 8/A-8.1.
8	(N) CONCRETE WHEEL STOP. SEE DETAIL 3/A-8.0 SIM.	23	NEW FOOTINGS AND STEEL SUPPORTS FOR EXISTING CONDUITS. SEE STRUCTURAL PLANS FOR REQUIREMENT.
9	(N) ISA SYMBOL. SEE DETAIL 1/A-8.0 SIM.	24	(N) ROOM I.D. SIGN. SEE DETAIL 8/A-9.3. SEE SPECS. FOR ATTACHMENT ON GLASS PANEL.
10	(N) STRIPES AT 36" MAX. O.C. PAINTED A COLOR CONTRASTING W/ THE PARKING SURFACE, PREFERABLY BLUE OR WHITE.	25	(N) EXIT SIGN. SEE DETAIL 8/A-9.3. SEE SPECS. FOR ATTACHMENT ON GLASS PANEL.
11	NEW LANDSCAPE AREA. SEE LANDSCAPE DRAWINGS FOR REQUIREMENT.	26	(N) POST MOUNTED AUTHORIZATION SIGN PER DETAIL 6/A-8.0.
12	(N) DOOR HARDWARE SEE DOOR SCHEDULE. SEE SHEET A-7.0.	27	INSTALL NEW POSTS PER 10/A-8.2.
13	(N) DOOR AND HARDWARE. SEE DOOR SCHEDULE ON SHEET A-7.0 & SPECIFICATION.	28	(N) AUTHORIZATION SIGN PER DETAIL 9/A-8.0.
14	(N) VEHICULAR TRAFFIC ARROWS. SEE SPECS. - PAVEMENT MARKINGS.		
15	(N) DETECTABLE WARNING TRUNCATED DOMES. SEE DETAIL 8/A-8.0 SIM.		

KEYNOTES

-----	PROPOSED ACCESSIBLE PATH OF TRAVEL	(N) AC PAVEMENT SEE CIVIL C3.0
-----	(N) CONCRETE PAVEMENT SEE S-2.1 FOR DETAILS, AND C3.0 FOR REQUIRED SLOPES	(N) LANDSCAPE AREA SEE LANDSCAPE PLANS

LEGEND

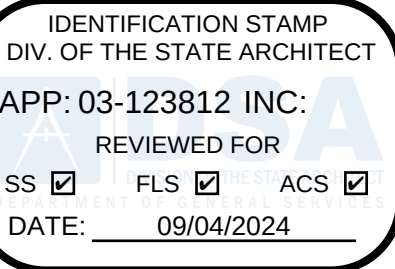


NEW GARAGE FLOOR PLAN

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

FILE:

1



LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL

717 North Figueroa Street
Los Angeles, California 90012

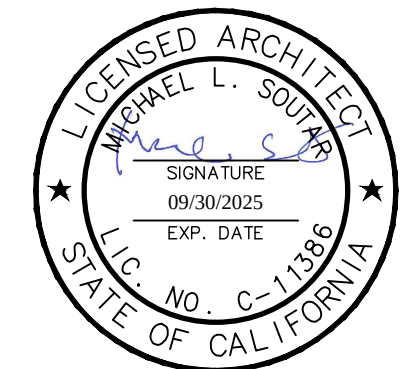
COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT

Architects McDonald, Soutar & Paz, Inc.
3575 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA 90807
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CONSULTANT

STAMPS/SEALS



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SHEET TITLE:

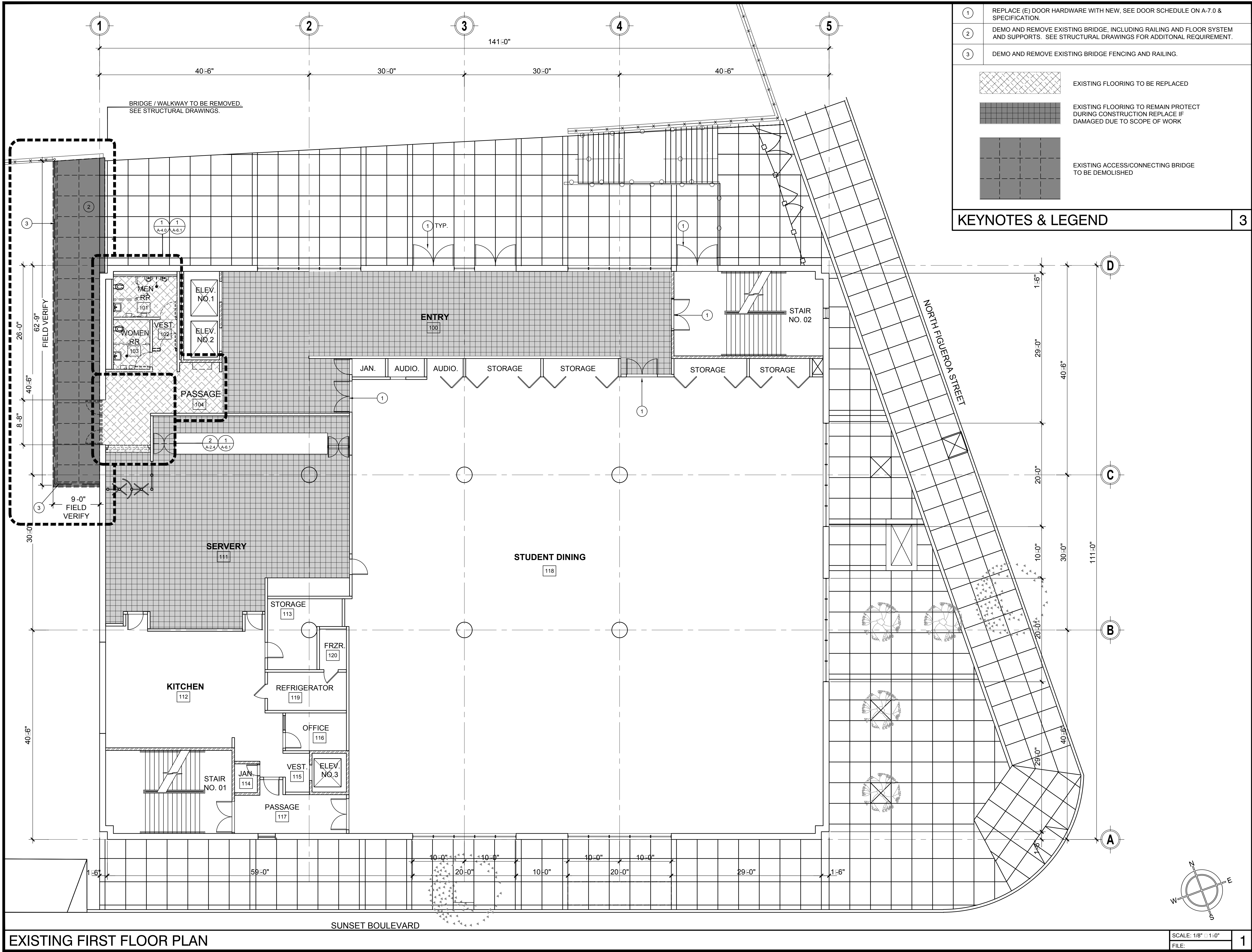
NEW GARAGE
FLOOR PLAN

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: MSP CHECKED: MSP
SHEET NUMBER

A-2.1

DATE: 4.26.24 SHEET: 17 OF: 63

PRINTED DATE: A 11/30/2024



1	REPLACE (E) DOOR HARDWARE WITH NEW, SEE DOOR SCHEDULE ON A-7.0 & SPECIFICATION.
2	DEMO AND REMOVE EXISTING BRIDGE, INCLUDING RAILING AND FLOOR SYSTEM AND SUPPORTS. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENT.
3	DEMO AND REMOVE EXISTING BRIDGE FENCING AND RAILING.

EXISTING FLOORING TO BE REPLACED

EXISTING FLOORING TO REMAIN PROTECT DURING CONSTRUCTION REPLACE IF DAMAGED DUE TO SCOPE OF WORK

EXISTING ACCESS/CONNECTING BRIDGE TO BE DEMOLISHED

KEYNOTES & LEGEND3

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APP: 03-123812 INC:
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SCHOOL DISTRICT

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333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
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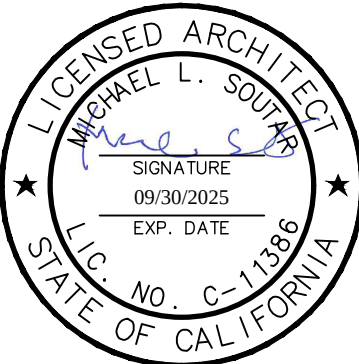
PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
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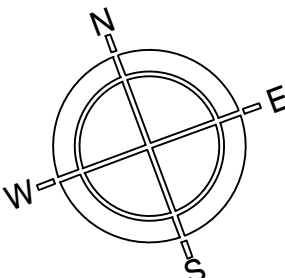
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EXISTING
FIRST FLOOR
PLAN

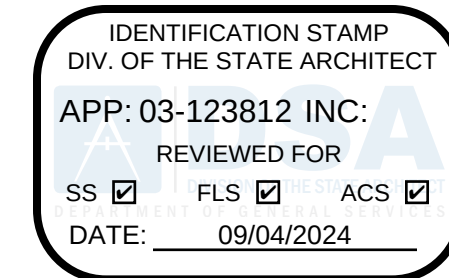
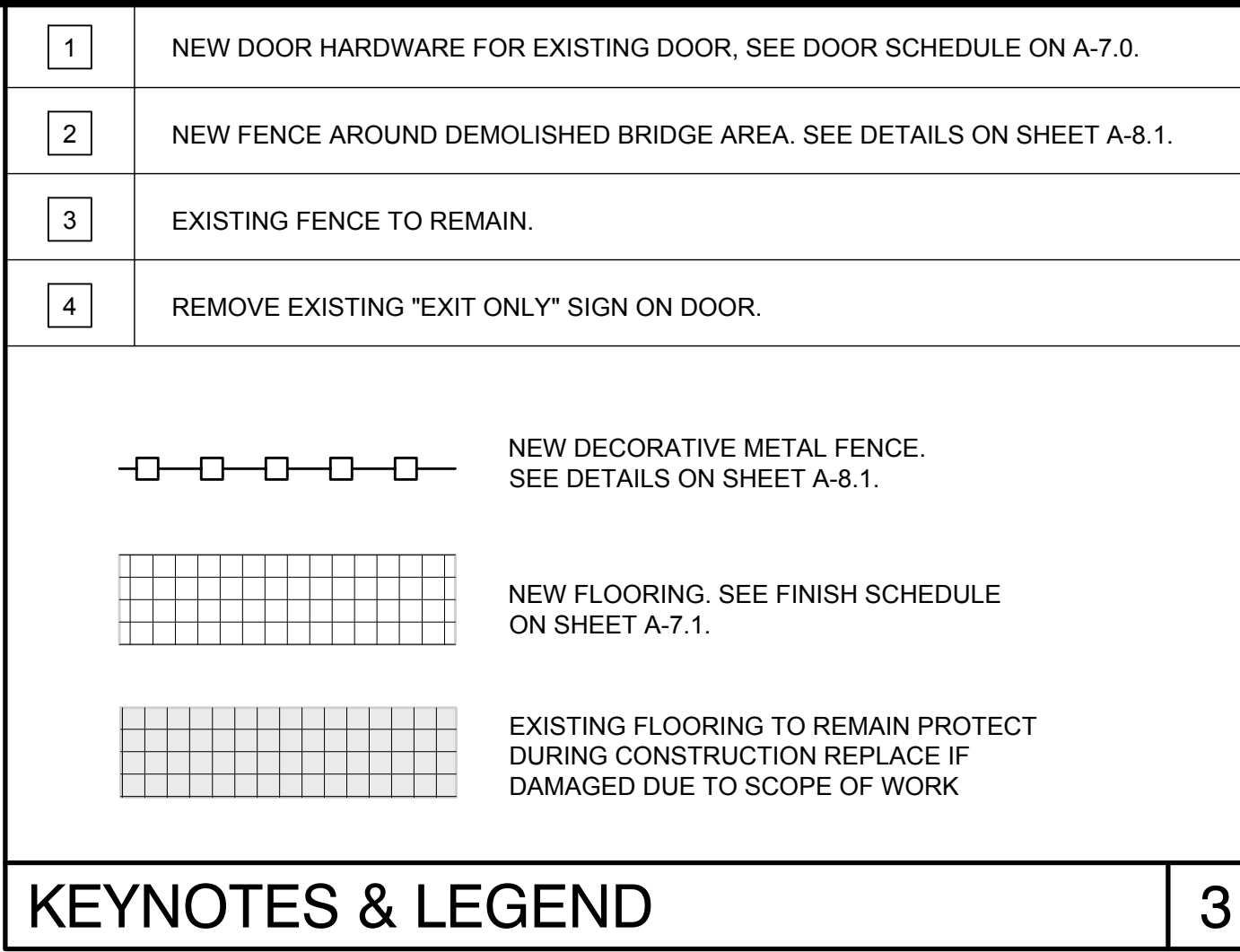
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DRAWN: MSP CHECKED: MSP
SHEET NUMBER

A-2.2

DATE: 4.26.24 SHEET: 18 OF: 63



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



**LOS ANGELES UNIFIED
SCHOOL DISTRICT**

M&O - A/E SERVICES
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 LOS ANGELES, CALIFORNIA 90017
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PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
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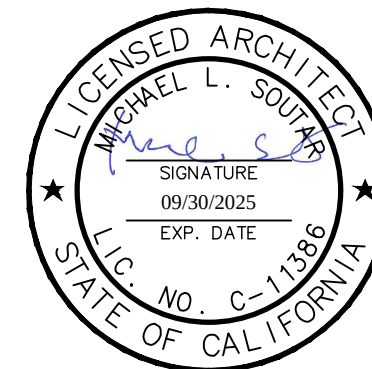
COLIN NUMBER: 10372448

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SHEET TITLE

NEW FIRST FLOOR PLAN

MSP PROJECT NO.: 22-1322	PROJECT ARCH: MSE
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DRAWN:	MSP	CHECKED:	MSP
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SHEET NUMBER		

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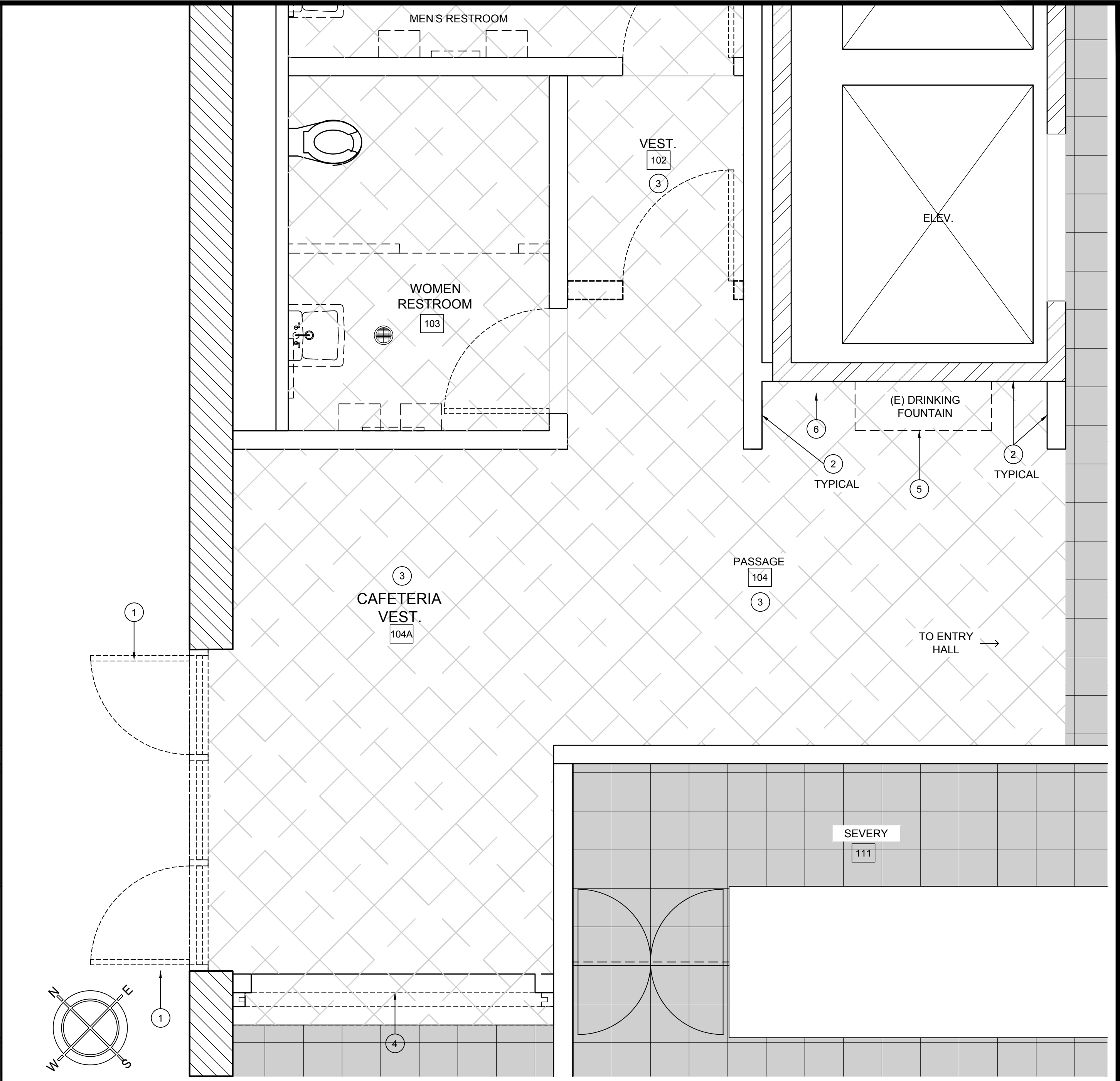
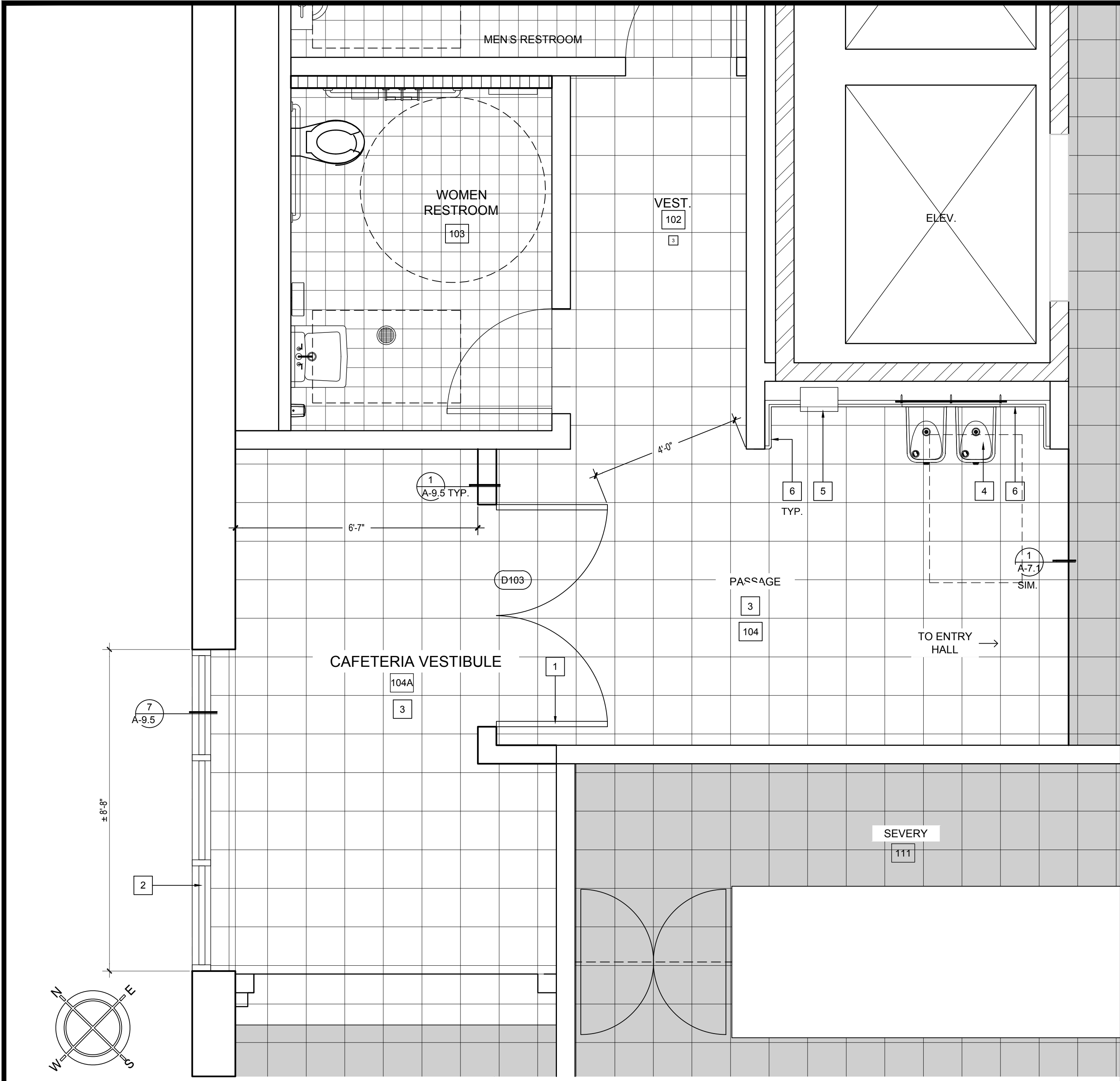
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A 2.0

DATE:	_____	SUFF:	_____	OF:	_____
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DATE: 4.26.24	SHEET: 19 OF: 6
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PRINTED DATE: April 29, 2024



CONSTRUCTION FLOOR PLAN 8

DEMO. FLOOR PLAN 2

1	NEW HOLLOW METAL DOUBLE DOORS AND DOOR FRAMES WITH ACCESSIBLE DOOR HARDWARE. SEE DOOR SHCHEDULE 9/A-7.0. NEW FINISHES TO MATCH ADJACENT WALL SURFACES. - COLORS TO BE REVIEWED AND APPROVED BY THE ARCHITECT.
2	NEW FIXED STOREFRONT IN PLACE OF DEMOLISHED DOOR.
3	NEW LVT FLOORING AND BASE. COLORS TO BE REVIEWED AND APPROVED BY THE ARCHITECT.
4	NEW HI-LOW DRINKING FOUNTAIN. SEE DETAIL 1/A-9.2.
5	REINSTALL EXISTING FIRE EXTINGUISHER. SEE DETAIL 6/A-9.2.
6	NEW WALL TILES AND BASE. SEE DETAILS 5 & 7/A-9.2.

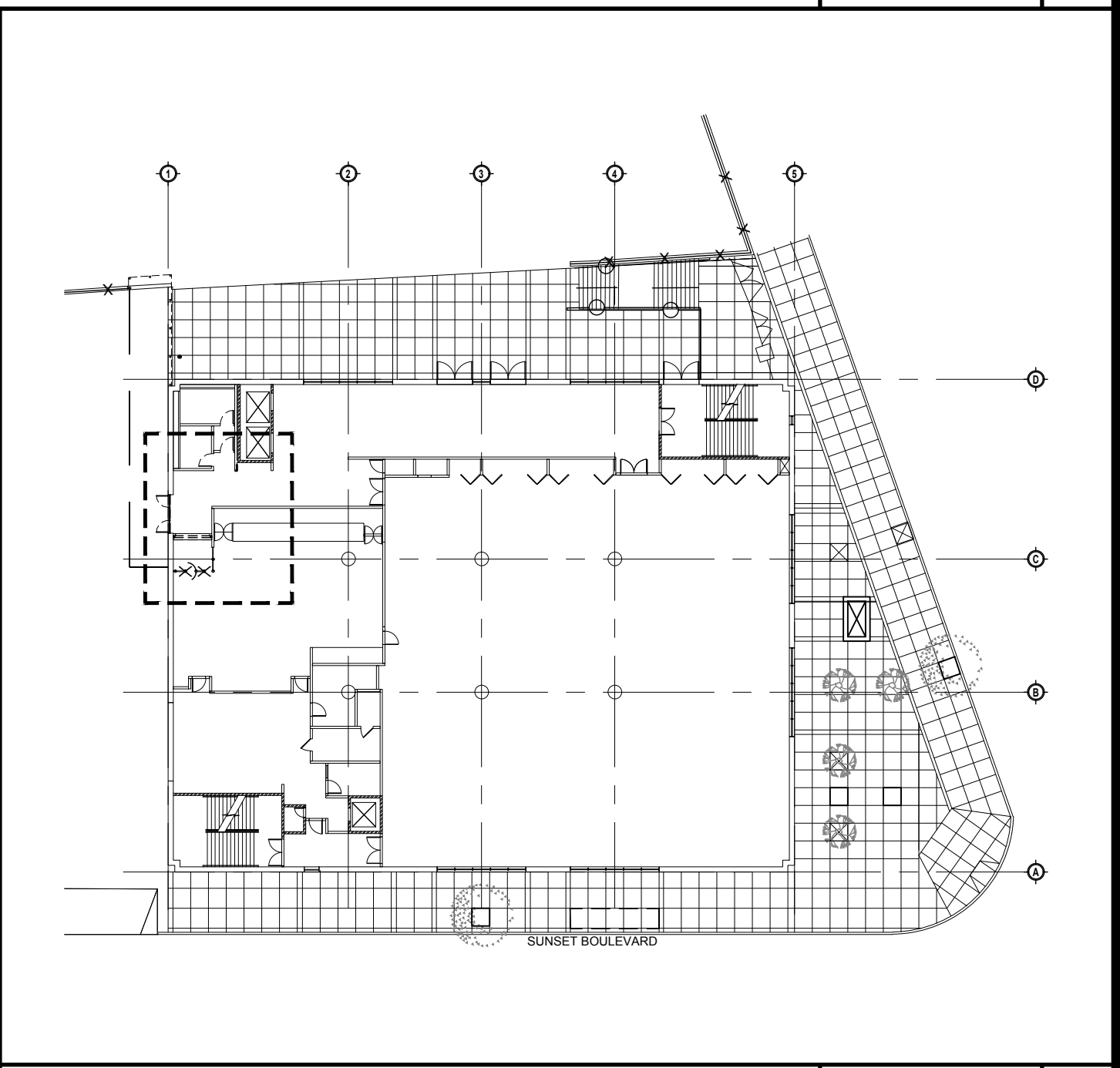
1	REMOVE EXISTING DOOR AND FRAMES. PREPARE OPENING FOR NEW WALL IN-FILL.
2	DEMO. AND REPLACE EXISTING WALL TILES AND BASE. SEE 2/A-9.2.
3	REMOVE EXISTING VCT FLOORING. PREPARE AREA FOR NEW FLOORING.
4	REMOVE ROLL-UP DOOR AND ALL RELATED STRUCTURAL SUPPORT. REPAIR CEILING AS REQUIRED. SEE CEILING PLANS 1 & 7/A-6.1.
5	DEMO AND REMOVE EXISTING DRINKING FOUNTAIN, AND REWORK PLUMBING FOR NEW DRINKING FOUNTAIN.
6	REMOVE EXISTING FIRE EXTINGUISHER AND SALVAGE FOR REINSTALLATION.

CONSTRUCTION KEYNOTES 10

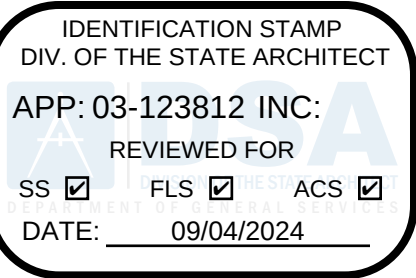
DEMO. KEYNOTES 7

EXISTING FULL HEIGHT FRAMED WALL	EXISTING FLOOR FINISH TO BE REMOVED
EXISTING FULL HEIGHT FRAMED WALL TO BE DEMOLISHED	EXISTING FLOOR FINISH WALL TO REMAIN
NEW FULL HEIGHT PARTITION WALL	NEW CERAMIC FLOOR TILES & WALL BASE
NEW FULL HEIGHT FURRED/PLUMBING WALL	NEW LVT FLOOR & WALL BASE
EXISTING CONCRETE WALL	EXISTING DOOR TO BE REMOVED
NEW IN-FILL WALL	
EXISTING ROLL-UP DOOR TO BE REMOVED	
NEW FURRED WALL WITH FULL HEIGHT TILE FINISH	

LEGEND 4



KEY PLAN 1



LOS ANGELES UNIFIED SCHOOL DISTRICT

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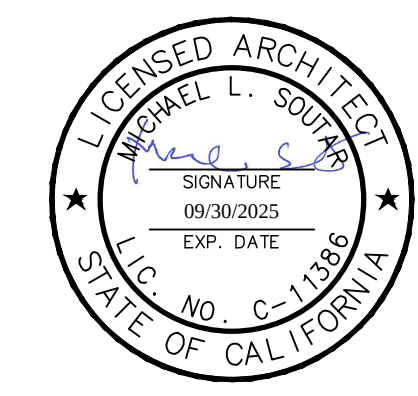
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CONSULTANT

STAMPS/SEALS



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ENLARGED FIRST FLOOR PLAN

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: MSP CHECKED: MSP

SHEET NUMBER

A-2.4

DATE: 4.26.24 SHEET: 20 OF: 63

PRINTED DATE: A 11 28, 2024



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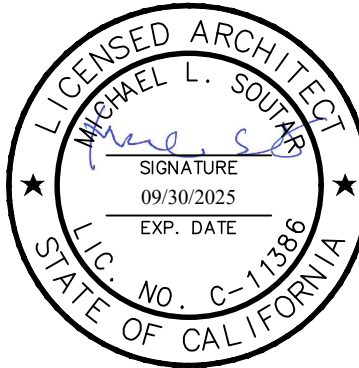
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SHEET TITLE:

AS BUILT
WEST
ELEVATION

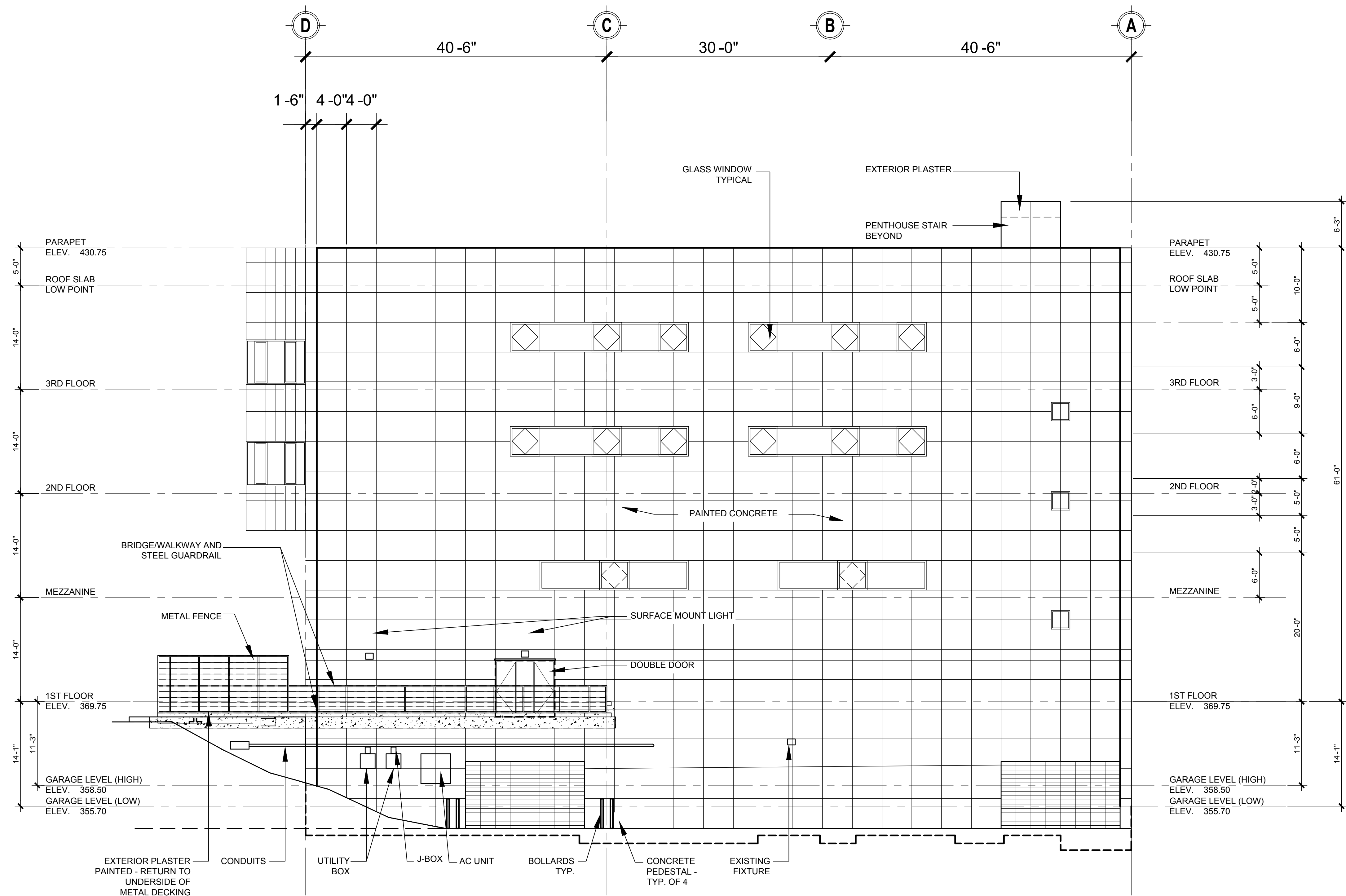
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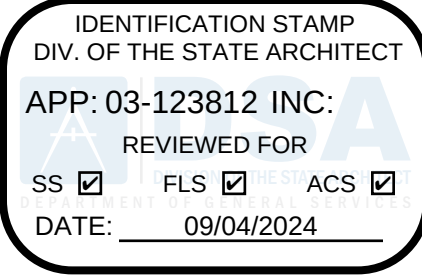
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SHEET NUMBER

A-3.0

DATE: 4.26.24 SHEET: 21 OF: 63





LOS ANGELES UNIFIED
SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL

717 North Figueroa Street
Los Angeles, California 90012

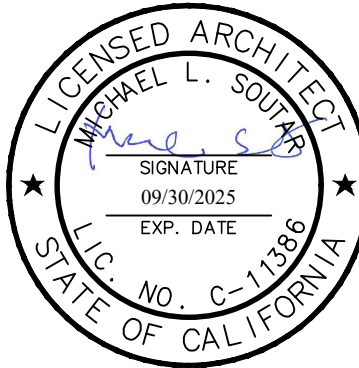
COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT

Architects McDonald, Soutar & Paz, Inc.
3575 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA 90807
TEL (562) 427-5007 FAX (562) 427-3007
ARCHITECTSMSP.COM

CONSULTANT

STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

DEMOLITION
OF WEST
ELEVATION

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP

DRAWN: MSP CHECKED: MSP

SHEET NUMBER

A-3.1

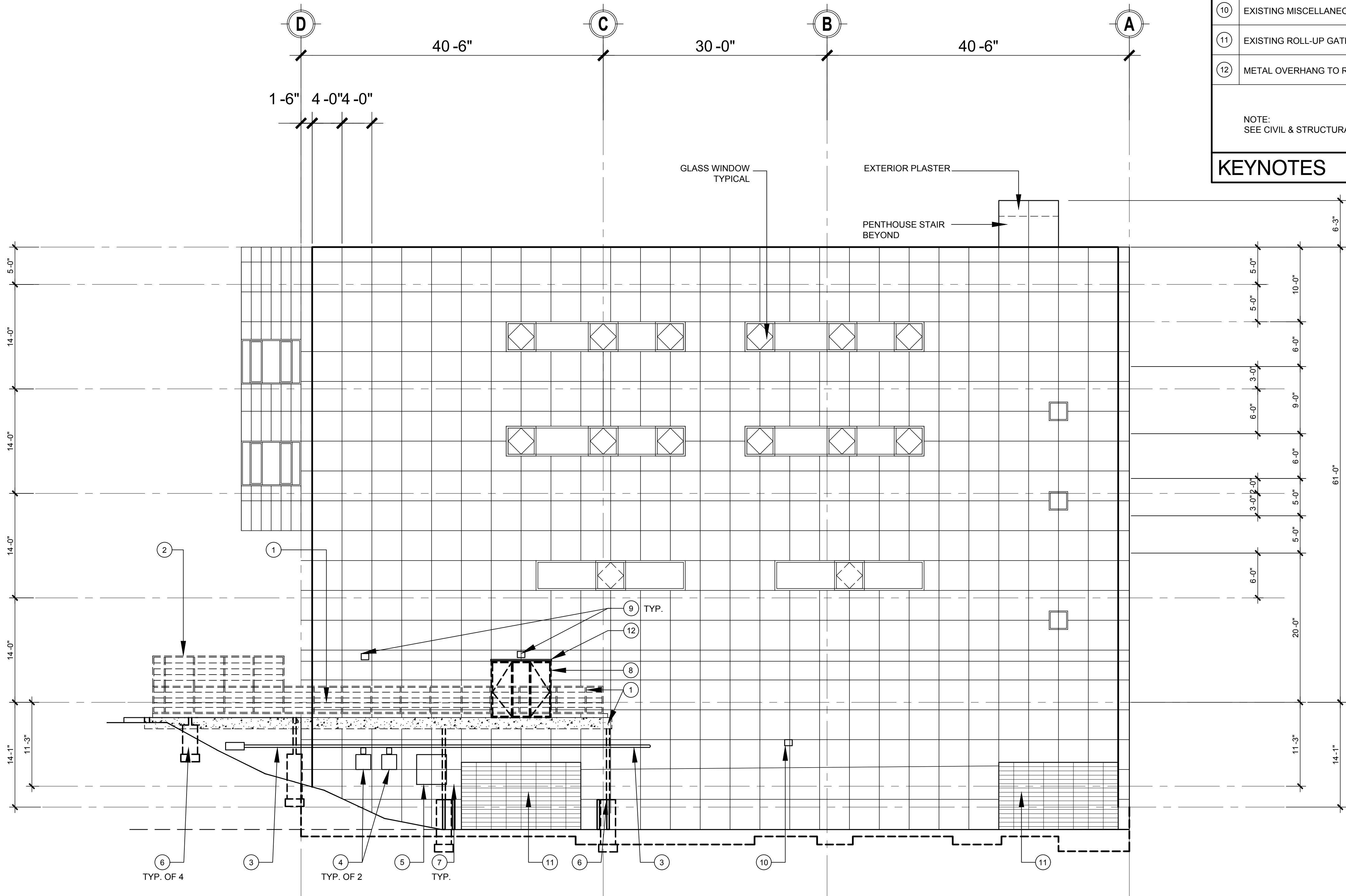
DATE: 4.26.24 SHEET: 22 OF: 63

- 1 REMOVE EXISTING BRIDGEWAY / WALKWAY INCLUDING GUARDRAIL.
- 2 REMOVE EXISTING METAL FENCING.
- 3 CONDUITS TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 4 UTILITY BOX & J-BOX TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 5 AC UNIT TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
- 6 POST AND PEDESTAL TO BE REMOVED.
- 7 BOLLARD INCLUDING FOUNDATION TO BE REMOVED.
- 8 REMOVE EXISTING DOOR.
- 9 EXISTING EXTERIOR LIGHT TO REMAIN.
- 10 EXISTING MISCELLANEOUS EXTERIOR ITEMS TO REMAIN.
- 11 EXISTING ROLL-UP GATE TO REMAIN.
- 12 METAL OVERHANG TO REMAIN.

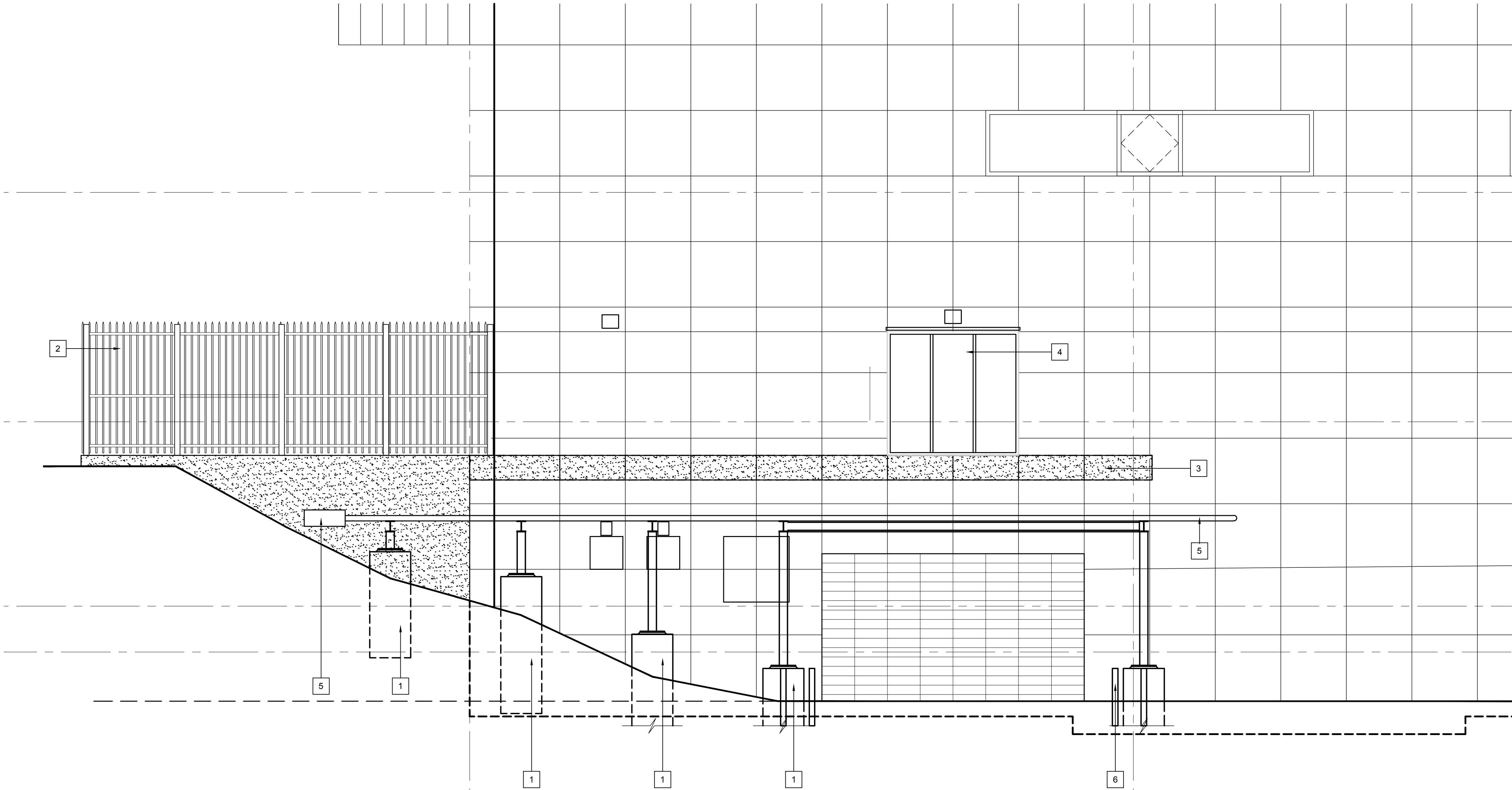
NOTE:
SEE CIVIL & STRUCTURAL DRAWINGS FOT ADDITIONAL DEMO. INFORMATION.

KEYNOTES

3



			1	NEW POST & PEDESTAL. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.	
			2	NEW FENCE AROUND DEMOLISHED BRIDGE AREA. SEE DETAILS ON SHEET A-8.1.	
			3	PATCH & REPAIR WALL FINISH, REFINISH WITH SMOOTH CEMENT PASTER, AND PAINT CONCRETE WALL SURFACES AT LOCATION OF BRIDGE REMOVAL. MATCH EXISTING ADJACENT EXTERIOR SMOOTH CONCRETE WALL FINISH INCLUDING CONCRETE SCORING, TEXTURE, & COLOR AT EXISTING BUILDING.	
			4	NEW STOREFRONT. SEE DETAIL 7/A-9.5.	
			5	CONDUITS TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.	
			6	NEW BOLLARDS. TYPICAL. SEE CIVIL DRAWINGS SHEET C3.0 & DETAIL 6/C1.0 FOR ADDITIONAL INFORMATION.	
				KEYNOTES	3

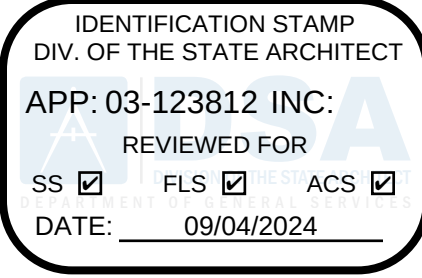


REPAIR ON WEST ELEVATION

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

FILE:

1



LOS ANGELES UNIFIED
SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION

333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL

717 North Figueroa Street
Los Angeles, California 90012

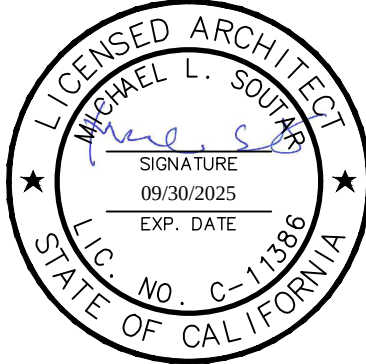
COLIN NUMBER: 10372448

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STAMPS/SEALS



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SHEET TITLE:

REPAIR ON
WEST
ELEVATION

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP

DRAWN: MSP CHECKED: MSP

SHEET NUMBER

A-3.2

DATE: 4.26.24 SHEET: 23 OF: 63

PRINTED DATE: A 11 28, 2024

FILE: \\P:\G:\CAD\2022\22-1322\LAUSD E and CAS Bldgs - A\A301 U grade\WPing Drawing\SheetA-3.2 REPAIR WEST ELEV.dwg

1	REINSTALL (E) TOILET AT THE (E) LOCATION. SEE DETAIL A & C ON 1/A-9.0 FOR ACCESSIBLE MOUNTING HEIGHTS AND OTHER REQUIREMENTS. SEE PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS. REINSTALL USING (E)BACKING & SUPPORTS.	15	NEW FULL HEIGHT WALL TILES WITH NEW TILES BASE PER SPECIFICATION WITH NEW WATERPROOF. SEE DETAIL 12/A-9.5. SEE ELEVATION ON SHEET A-5.0 AND FINISH SCHEDULE ON SHEET A-7.1.	1	REMOVE & SALVAGE EXISTING WATER CLOSET FOR REINSTALLATION AT THE SAME LOCATION. PRESERVE ASSOCIATED PLUMBING LINES. SEE PLUMBING DRAWING FOR ADDITIONAL REQUIREMENT.
2	NEW ACCESSIBLE LAVATORY. SEE DETAIL G, H & J ON 1/A-9.0 FOR ACCESSIBLE MOUNTING HEIGHTS AND OTHER REQUIREMENTS. INSULATE ALL EXPOSED PIPING AND DRAINS. PROVIDE BACKING AS REQUIRED BY MANUFACTURER. SEE DETAILS 7/A-9.1 & 8/A-9.1.	16	(E) PARTITION WALL. WITH (N) FULL HEIGHT WALL TILE & WALL BASE AT RESTROOM SIDE. (N) PAINT & WALL BASE ON VESTIBULSE. SEE ELEVATIONS ON SHEET A-5.0 AND A-5.1.	2	EXITSTING CERAMIC FLOOR TILES TO BE REMOVED. EXISTING FLOOR DRAIN TO REMAIN PROTECT IN PLACE.
3	NEW URINAL. SEE DETAIL M, N & P ON 1/A-9.0 FOR ACCESSIBLE MOUNTING HEIGHT REQUIREMENTS, AND PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS.	17	NEW ACCESSIBLE RESTROOM ROOM SIGNAGE. SEE DETAILS: 1, 4, 9 ON A-9.3.	3	REMOVE EXISTING FULL HEIGHT WALL TILES & BASE TILES INCLUDING TILE BOARD TO EXISTING METAL STUD UP TO EXISTING UNDERSIDE OF CEILING. TYPICAL AT ALL WALLS IN RESTROOMS AND DRINKING FOUNTAIN AREA.
4	NEW 18" WIDE 1/32" HIGH MIRROR, BOBRICK B-292 MOUNTED AT 40" MAX. TO BOTTOM OF REFLECTING SURFACE CENTER ON LAVATORY. SEE 1K/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1.	18	SEE SHEET A-6.1 FOR REFLECTED CEILING AND SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.	4	EXISTING FRAMED WALL TO REMAIN. PROTECTED IN PLACE.
5	(N) 4" 4" CERAMIC WALL & BASE TILES. USE 5/8" THICK CEMENTITIOUS BOARD UNIT AND WATERPROOFING SHEET PER TCNA & SPECIFICATION.	19	NEW HI-LO DRINKING FOUNTAIN. SEE DETAILS 1, 5, 7 ON A-9.2 AND SEE PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITONAL REQUIREMENT.	5	REMOVE EXISTING DOOR AND FRAME.
6	NEW TOILET PAPER HOLDER. SEE DETAIL E ON 1/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1.	20	NEW LVT FLOORING.	6	REMOVE EXISTING DRINKING FOUNTAIN. SEE PLUMBING PLAN FOR ADDITONAL REQUIREMENT.
7	NEW SOAP DISPENSER, BOBRICK B-2111. SEE 1U/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1.	21	EXISTING FLOOR TILES & FLOOR DRAIN TO REMAIN, PROTECT IN PLACE.	7	REMOVE EXISTING GRAB BARS, TOILET PAPER HOLDER, TOILET SEAT COVER DISPENSER, SANITARY NAPKIN DISPOSALS (IN WOMEN RESTROOM), MIRRORS, SOAP DISPENSERS, PAPER TOWEL DISPENSER, HAND DRYERS, FULL MIRROR.
8	NEW TOILET SEAT COVER DISPENSER, BOBRICK B-221. SEE 1E/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1.	22	ADD NEW FURRED WALL AS REQUIRED TO OBTAIN REQUIRED CLEARANCE AT FINAL TILES FINISH PRIOR TO INSTALLING NEW WALL TILES FINISH. SEE DETAIL 4/A-9.5 SIM.	8	REMOVE EXISTING RESTROOM PARTITIONS.
9	NEW PAPER TOWEL DISPENSER, BOBRICK B-263. SEE 1S/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1.	23	ADD NEW FURRED WALL WITH NEW WALL TILE FINISH ON BOTH SIDES. SEE DETAIL 4/A-9.5 SIM.	9	REMOVE EXISTING F.E. AND BOX. AND SALVAGE FOR REINSTALL AFTER NEW WALL TILES AND DRINKING FOUNTAIN ARE INSTALLED.
10	NEW SANITARY NAPKIN DISPOSAL, BOBRICK B-353. SEE 1F/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1.	24	ADD NEW FURRED WALL WITH NEW WALL TILE FINISH AT NEW DRINKING FOUNTAIN AREA. SEE DETAIL 10/A-9.2.	10	REMOVE EXISTING VCT FLOORINGS & WALL BASE WITHIN THIS AREA PER NEW SCOPE OF WORK. SEE SHEET A-2.4.
11	NEW ACCESSIBLE GRAB BARS. SEE C & D 1/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING FOR MOUNTING, SEE DETAIL 3/A-9.1.			11	REMOVE (E) WALL FULL HEIGHT.
12	REINSTALL EXISTING F.E. AND BOX. PROVIDE ENOUGH CLEARANCE FROM NEW DRINKING FOUNTAIN. SEE DETAIL 6/A-9.2.			12	REMOVE EXISTING ELETRICAL HAND DRYERS, AND DISCONNECT ELECTRICAL SEE ELECTRICAL DRAWING FOR ADDITIONAL REQUIREMENT.
13	NEW ACCESSIBLE RESTROOM DOOR SIGNAGE. SEE DETAILS: 1 & 4 ON A-9.3.			13	REMOVE EXISTING URINALS, AND CAP ALL EXISTING PLUMBING LINES. SEE PLUMBING DRAWING FOR ADDITIONAL REQUIREMENT.
14	NEW DOOR, DOOR TRIM, DOORHARDWARE AND THRESHOLD. SEE DOOR SCHEDULE AND DOOR DETAILS ON SHEET A-7.0.			14	REMOVE EXISTING LAVATORIES, AND CAP ALL EXISTING PLUMBING LINES. SEE PLUMBING DRAWING FOR ADDITIONAL REQUIREMENT.

EXISTING FRAMED WALL & ITEMS TO BE DEMOLISHED

NEW FULL HEIGHT PARTITION WALL

EXISTING FULL HEIGHT FURRED/PLUMBING WALL

EXISTING CONCRETE WALL

EXISTING FRAMED WALL

NEW FURRED WALL WITH FULL HEIGHT TILE FINISH

ADA WHEEL CHAIR TURNAROUND CLEARANCE

EXISTING FLOORING & BASE TO BE REMOVED

NEW FLOORING & BASE

EXISTING DOOR TO BE REMOVED, U.N.O.

SINK CLEARANCE SPACE

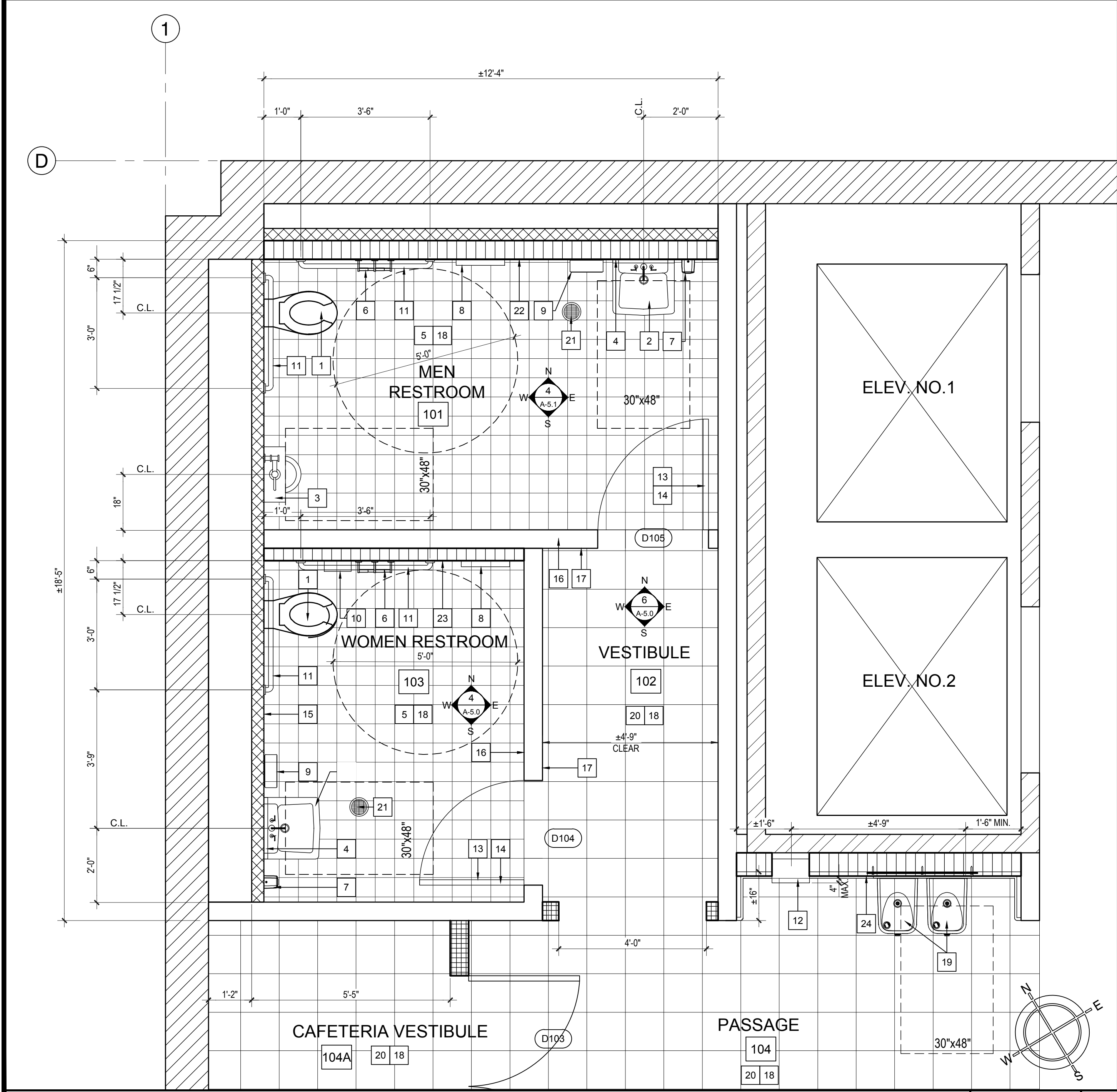
URINAL CLEARANCE SPACE

CONSTRUCTION KEYNOTES

9 DEMO. KEYNOTES

3 LEGEND

3

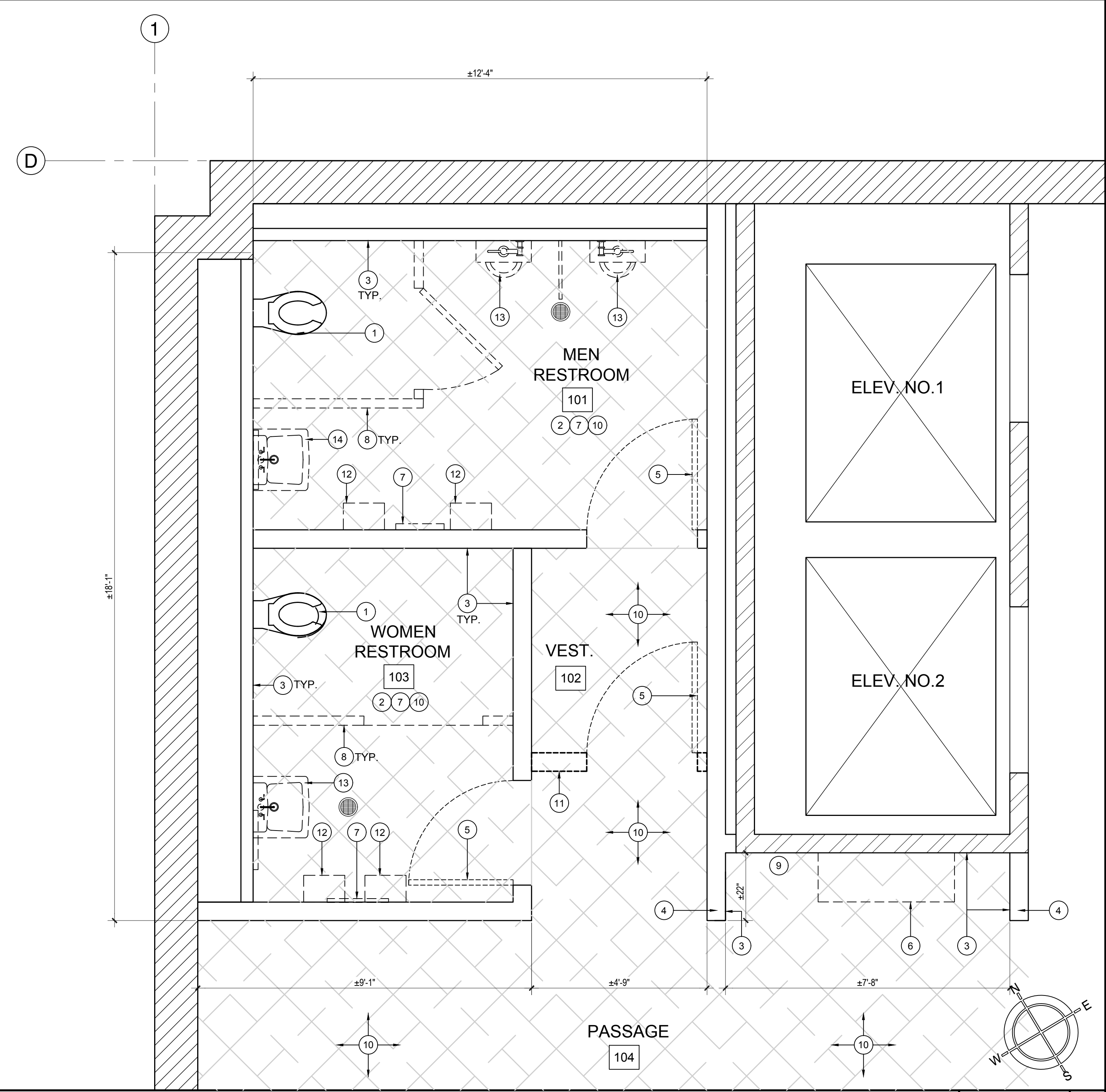


CONSTRUCTION FLOOR PLAN

SCALE 1/2" = 1'-0"
FILE:

7

DEMO. FLOOR PLAN



SCALE 1/2" = 1'-0"
FILE:

1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123812 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024



LOS ANGELES UNIFIED
SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL

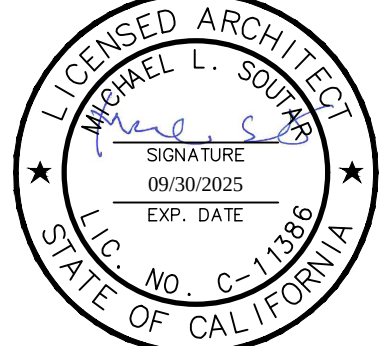
717 North Figueroa Street
Los Angeles, California 90012

COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT
Architects McDonald, Soutar & Paz, Inc.
3575 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA 90807
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ARCHITECTSMSP.COM

CONSULTANT

STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:
DEMO. &
CONSTRUCTION
FIRST FLOOR -
RESTROOM PLAN

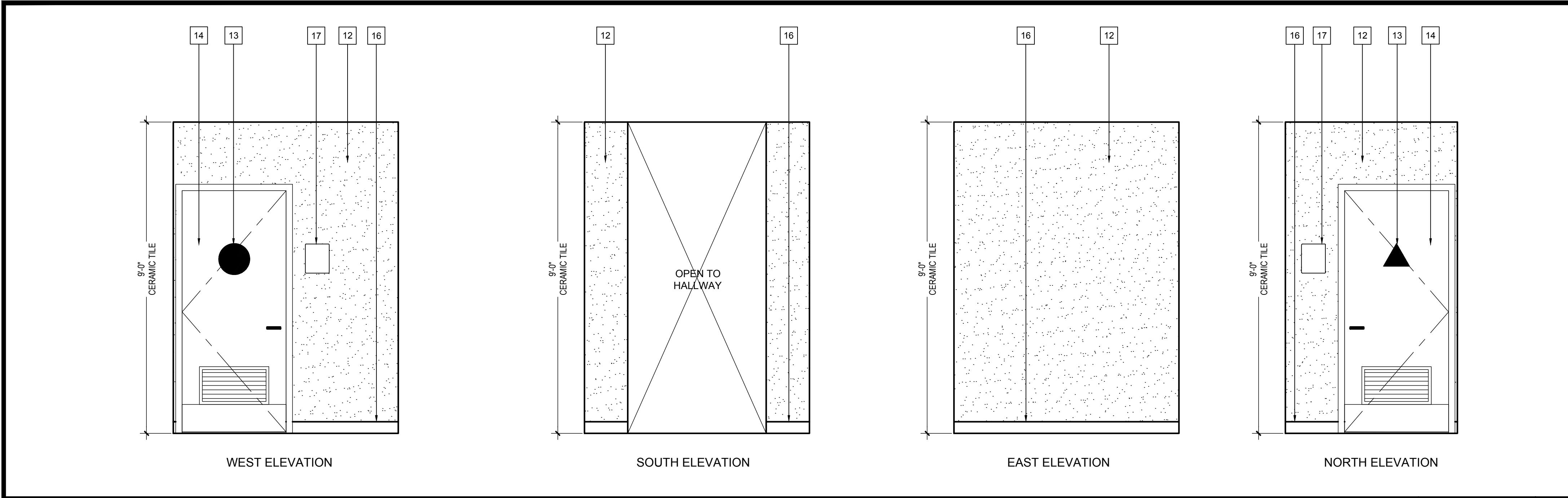
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DRAWN: MSP CHECKED: MSP
SHEET NUMBER

A-4.0

DATE: 4.26.24 SHEET: 24 OF: 63

PRINTED DATE: A 11 25, 2024

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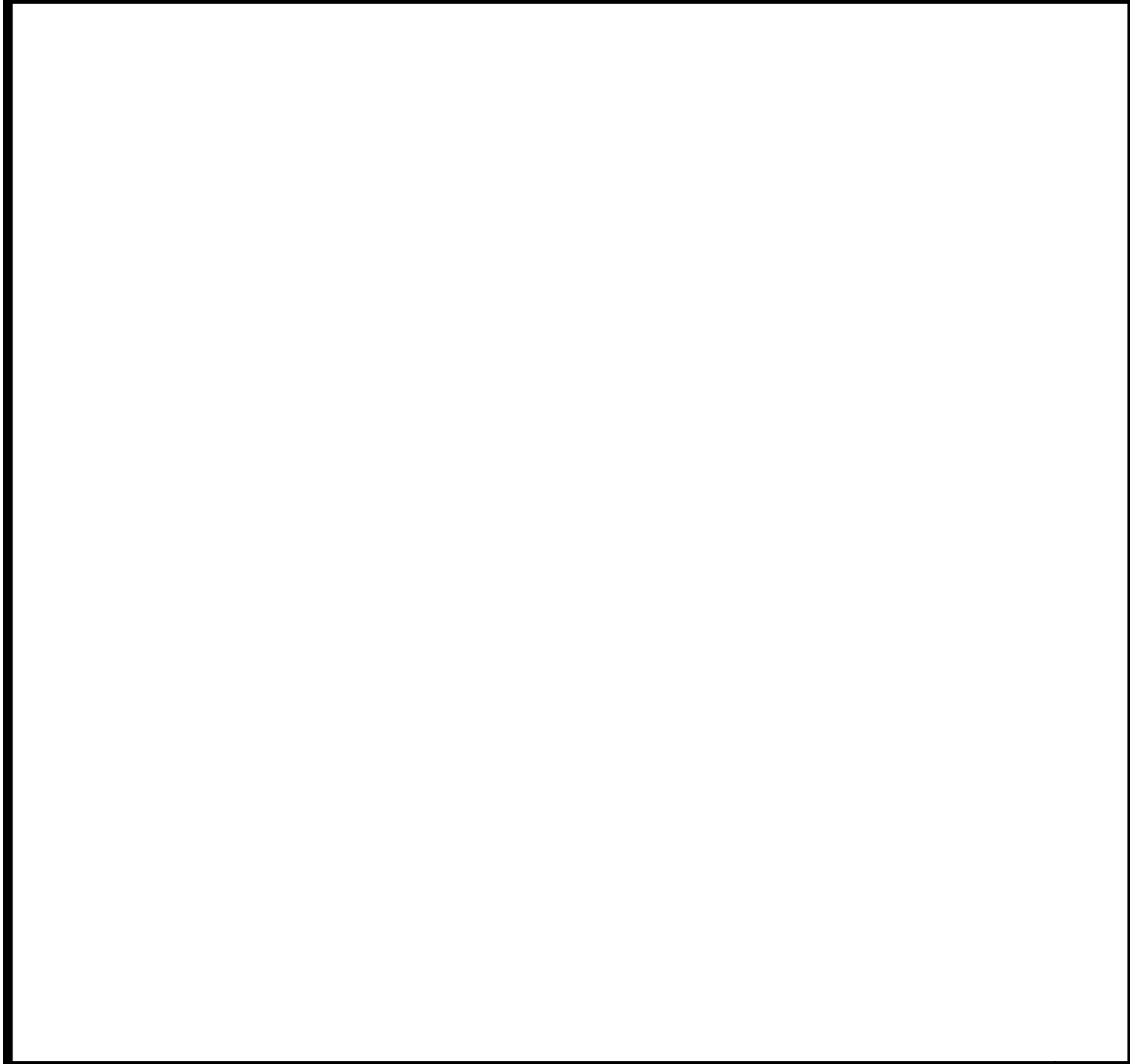


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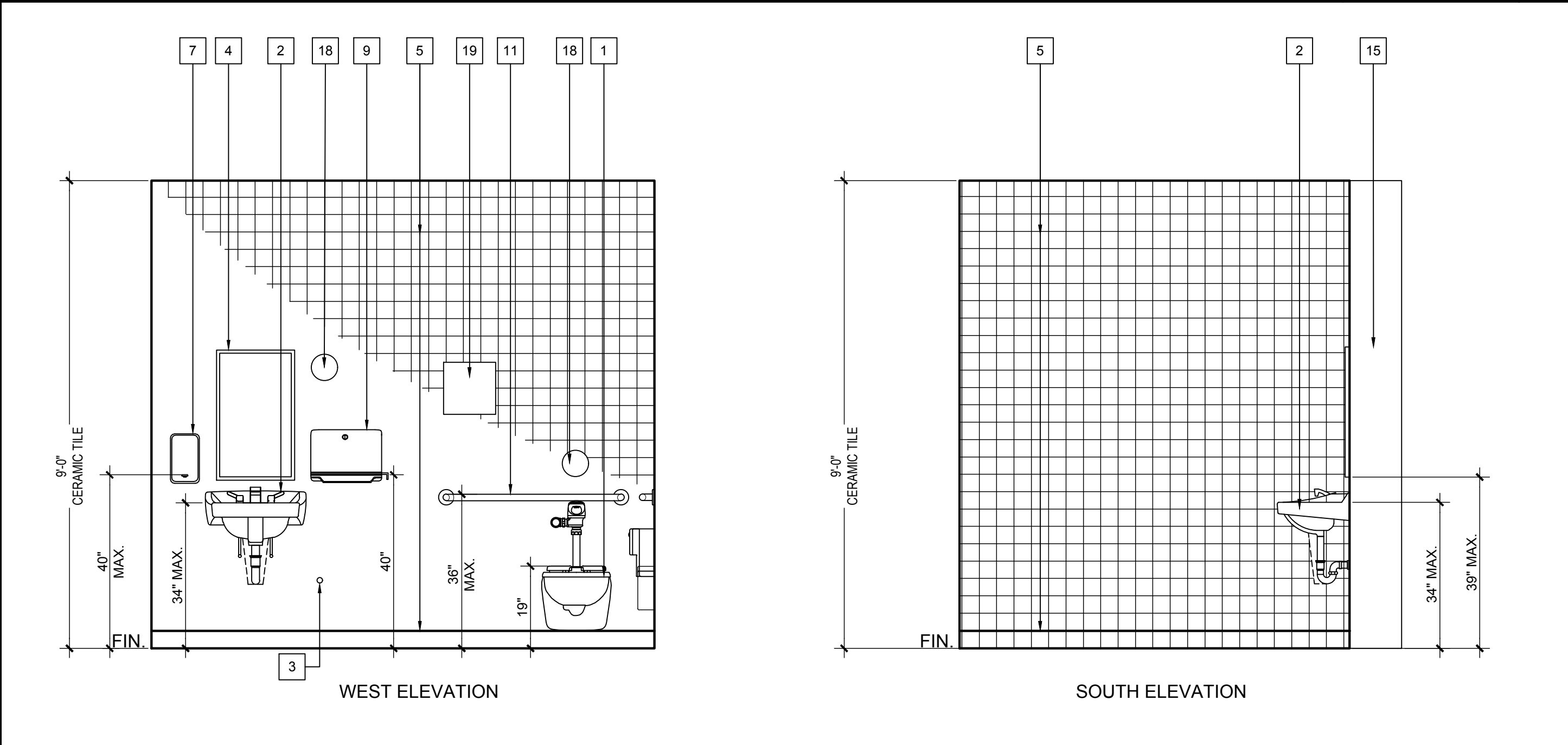
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FILE:

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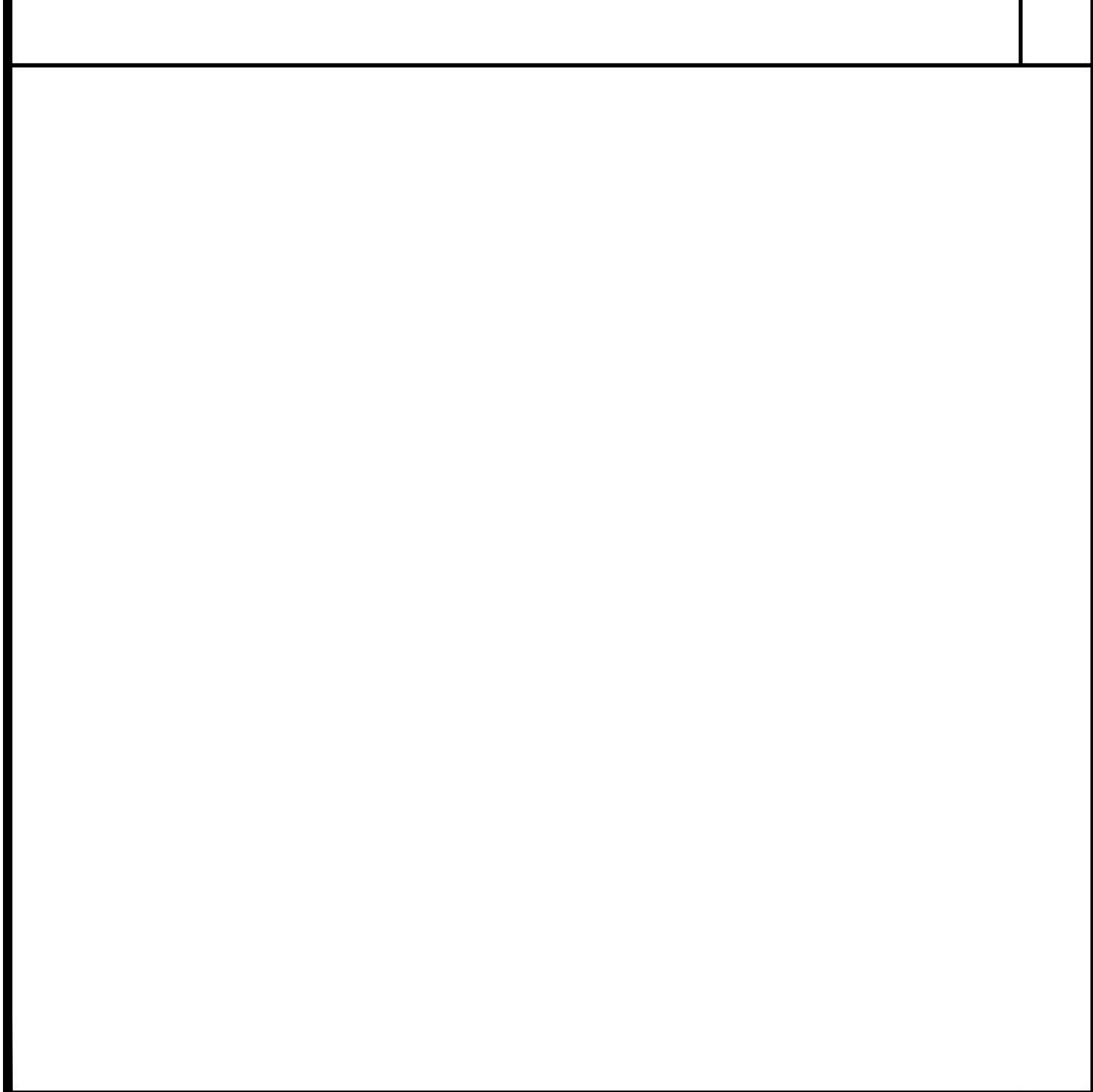
- REINSTALL (E) TOILET AT THE (E) LOCATION. SEE A & B ON 1/A-9.0 FOR ACCESSIBLE MOUNTING HEIGHTS AND OTHER REQUIREMENTS. SEE PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS. REINSTALL USING (E) BACKING & SUPPORTS.
- NEW ACCESSIBLE LAVATORY. SEE G, H & J ON 1/A-9.0 FOR ACCESSIBLE MOUNTING HEIGHTS AND OTHER REQUIREMENTS. INSULATE ALL EXPOSED PIPING AND DRAINS. PROVIDE BACKING AS REQUIRED BY MANUFACTURER. SEE DETAILS 7/A-9.1 & 8/A-9.1.
- EXISTING HOSS BIBB TO REMAIN. PROTECT IN PLACE. REPLACE OR REPAIR IF DAMAGED DURING CONSTRUCTION.
- NEW 18" WIDE X 36" HIGH MIRROR, BOBRICK B-292 MOUNTED AT 40" MAX. TO BOTTOM OF REFLECTING SURFACE CENTER ON LAVATORY. SEE 14/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1.
- (N) 4"x4" CERAMIC WALL & BASE TILES FINISH OVER 5/8" THICK CEMENTITIOUS BOARD UNIT AND WATERPROOFING SHEET PER TCNA & SPECIFICATION.
- NEW TOILET PAPER HOLDER. SEE 1E/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1.
- NEW SOAP DISPENSER, BOBRICK B-2111. SEE L & U ON 1/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1.
- NEW TOILET SEAT COVER DISPENSER, BOBRICK B-221. SEE K 1/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS.
- NEW PAPER TOWEL DISPENSER, BOBRICK B-263. SEE L & Q 1/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1.
- NEW SANITARY NAPKIN DISPOSAL, BOBRICK B-353. SEE 1F/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1.
- NEW ACCESSIBLE GRAB BARS. SEE C & D ON 1/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING FOR MOUNTING. SEE DETAIL 3/A-9.1.
- NEW WALL PAINT FINISH SCHEDULE ON SHEET 9/A-7.1 AND SPECIFICATIONS.
- NEW ACCESSIBLE RESTROOM DOOR SIGNAGE. SEE DETAILS: 1 & 4/A-9.3.
- NEW DOOR, DOOR TRIM, HARDWARE AND THRESHOLD. SEE DOOR SCHEDULE AND DOOR DETAILS ON SHEET A-7.0.
- REUSE EXISTING FURRED PLUMBING WALL. SEE DETAIL 4/A-9.5 SIM. SEE FINISH SCHEDULE ON SHEET A-7.1.
- (N) WALL RUBBER BASE. SEE FINISH SCHEDULE 9/A-7.1 AND SPECIFICATIONS.
- NEW ACCESSIBLE RESTROOM ROOM SIGNAGE. SEE DETAILS: 1 & 4/A-9.3.
- REQUIRED WALL CLEAN OUTS CO-1 FOR CONTRACTOR LABOR ESTIMATION.
- DISTRICT SPECS. REQUIRED AP-1 FOR THE HOUSING OF THE WHA/SOV/TMV.



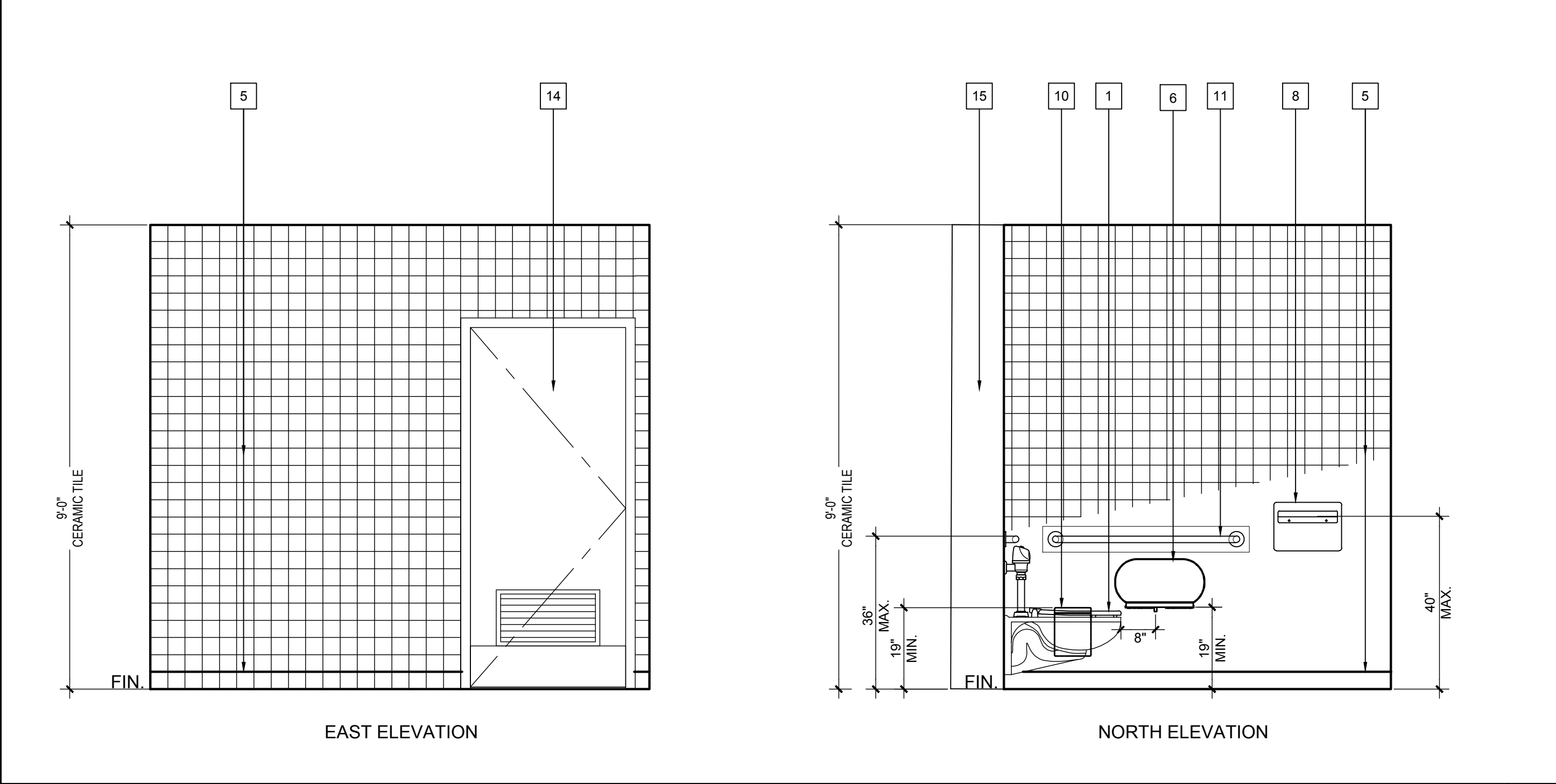
WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION



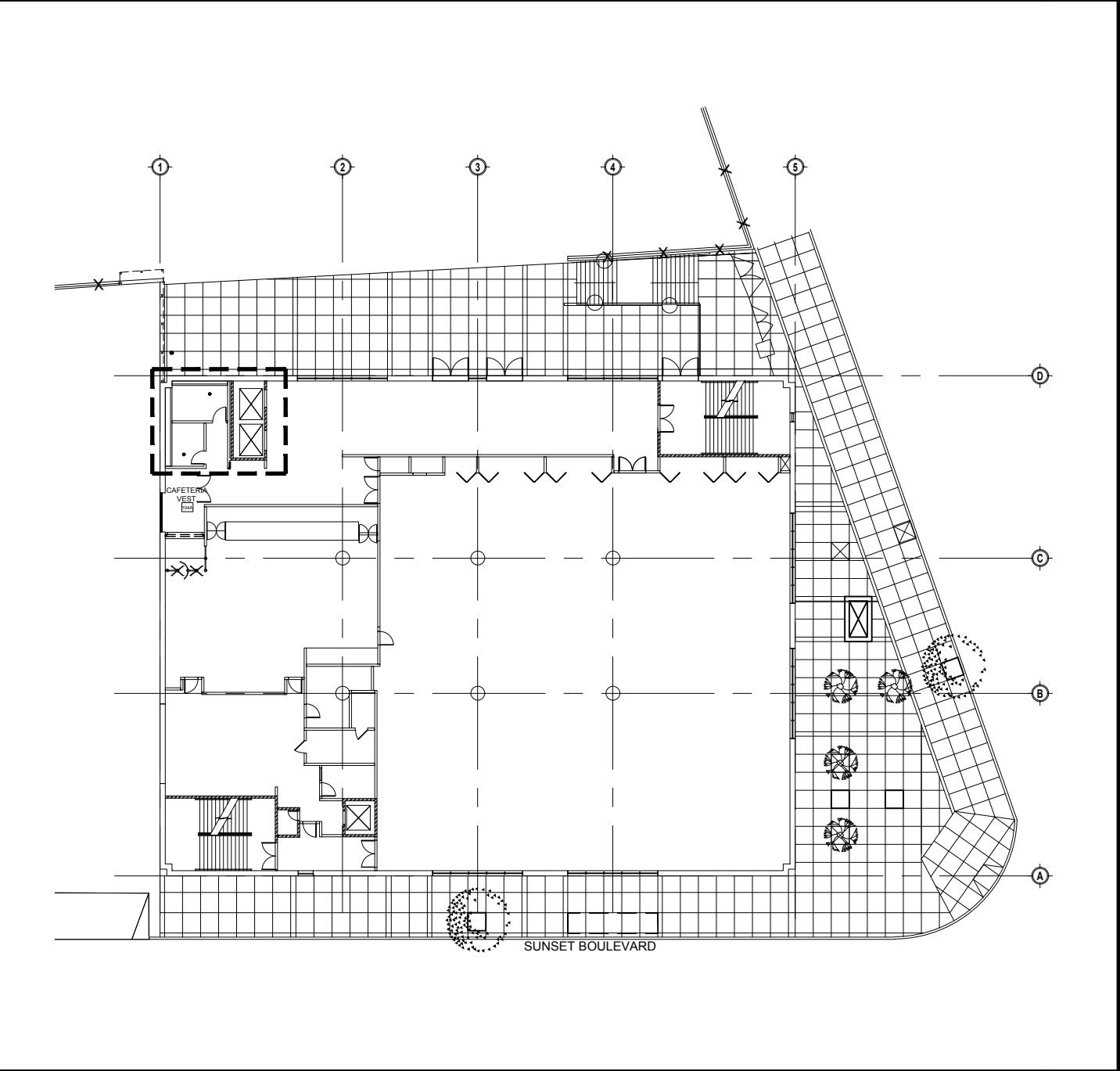
NORTH ELEVATION

SCALE: 1/2" = 1'-0"
FILE:

4

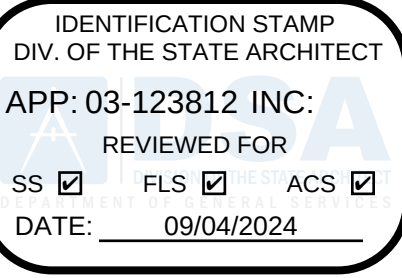
CONSTRUCTION KEYNOTES

2



KEY PLAN

1



LOS ANGELES UNIFIED
SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

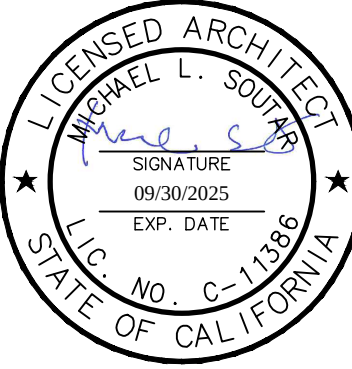
PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL**
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT
Architects McDonald, Soutar & Paz, Inc.
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CONSULTANT

STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

RESTROOM
ELEVATIONS

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: MSP CHECKED: MSP

SHEET NUMBER

A-5.0

DATE: 4.26.24 SHEET: 25 OF: 63

PRINTED DATE: A 11 25, 2024

FILE: WPG-03-04-00-2025-1322-LAUSD-Evans-CAS-Bridge-ADA-U-graduated-Ang-DrawingSheet-A-5.0-RESTROOM ELEV.dwg

				1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 REINSTALL (E) TOILET AT THE (E) LOCATION. SEE A & B ON 1/A-9.0 FOR ACCESSIBLE MOUNTING HEIGHTS AND OTHER REQUIREMENTS. SEE PLUMBING DRAWINGS FOR ADDITIONAL REQUIREMENTS. REINSTALL USING (E) BACKING & SUPPORTS. NEW ACCESSIBLE LAVATORY. SEE G, H & J ON 1/A-9.0 FOR ACCESSIBLE MOUNTING HEIGHTS AND OTHER REQUIREMENTS. INSULATE ALL EXPOSED PIPING AND DRAINS. PROVIDE BACKING AS REQUIRED BY MANUFACTURER. SEE DETAILS 7/A-9.1 & 8/A-9.1. NEW URINAL. SEE SHEET M, N & P ON 1/A-9.0 FOR ACCESSIBLE MOUNTING HEIGHT REQUIREMENTS, AND PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENT. NEW 18" WIDE X 36" HIGH MIRROR, BOBRICK B-292 MOUNTED AT 40" MAX. TO BOTTOM OF REFLECTING SURFACE CENTER ON LAVATORY. SEE 1K/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1. (N) 4"x4" CERAMIC WALL & BASE TILES. SEE FINISH SCHEDULE 9/A-7.1. USE 5/8" THICK CEMENTITIOUS BOARD UNIT AND WATERPROOFING SHEET PER TCNA & SPECIFICATION. NEW TOILET PAPER HOLDER. SEE 1E/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1. NEW SOAP DISPENSER, BOBRICK B-2111. SEE L & U ON 1/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1. NEW TOILET SEAT COVER DISPENSER, BOBRICK B-221. SEE 1K/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. NEW PAPER TOWEL DISPENSER, BOBRICK B-263. SEE L & Q ON 1/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING PER DETAIL 1/A-9.1. THE REQUIRED WALL CLEAN OUTS CO-1 FOR CONTRACTOR LABOR ESTIMATION. NEW ACCESSIBLE GRAB BARS. SEE C & D ON 1/A-9.0 FOR MOUNTING ACCESSIBLE HEIGHT AND OTHER REQUIREMENTS. PROVIDE BACKING FOR MOUNTING. SEE DETAIL 3/A-9.1. EXISTING HOSS BIBB TO REMAIN. PROTECT IN PLACE. REPLACE OR REPAIR IF DAMAGED DURING CONSTRUCTION. THE DISTRICT SPEC REQUIRED AP-1 FOR THE HOUSING OF THE WHA/SOV/TMV NEW DOOR, DOOR TRIM, HARDWARE AND THRESHOLD. SEE DOOR SCHEDULE AND DOOR DETAILS ON SHEET A-7.0. REUSE EXISTING FURRED PLUMBING WALL. SEE DETAIL 4/A-9.5 SIM. SEE FINISH SCHEDULE ON SHEET A-7.1.
--	--	--	--	--

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123812 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024



LOS ANGELES UNIFIED
SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
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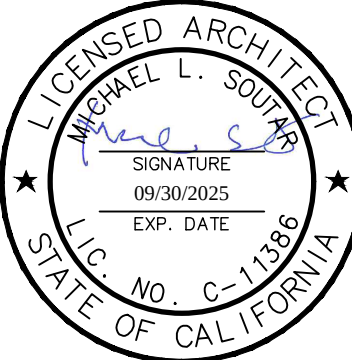
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CONSULTANT

STAMPS/SEALS



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SHEET TITLE:

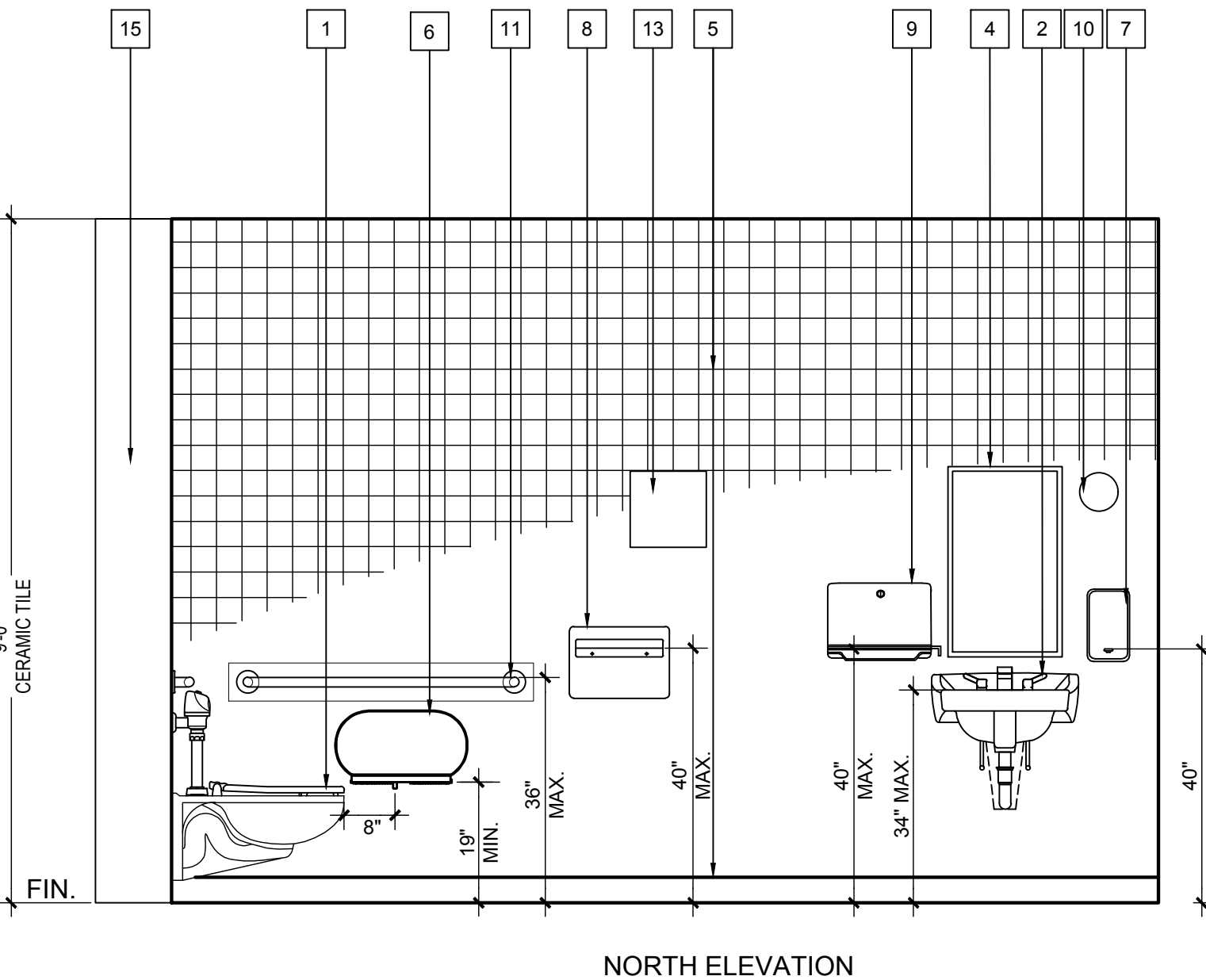
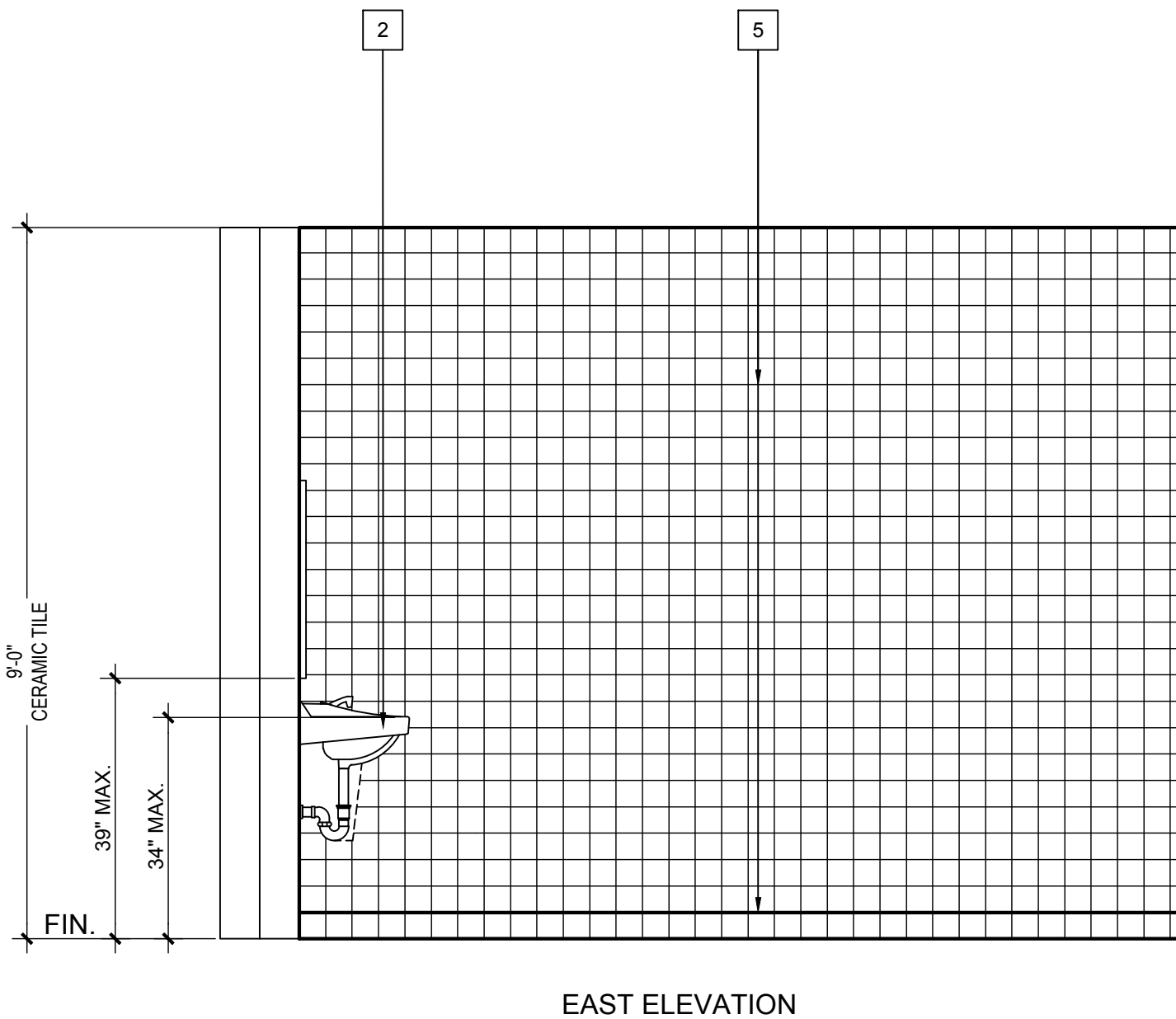
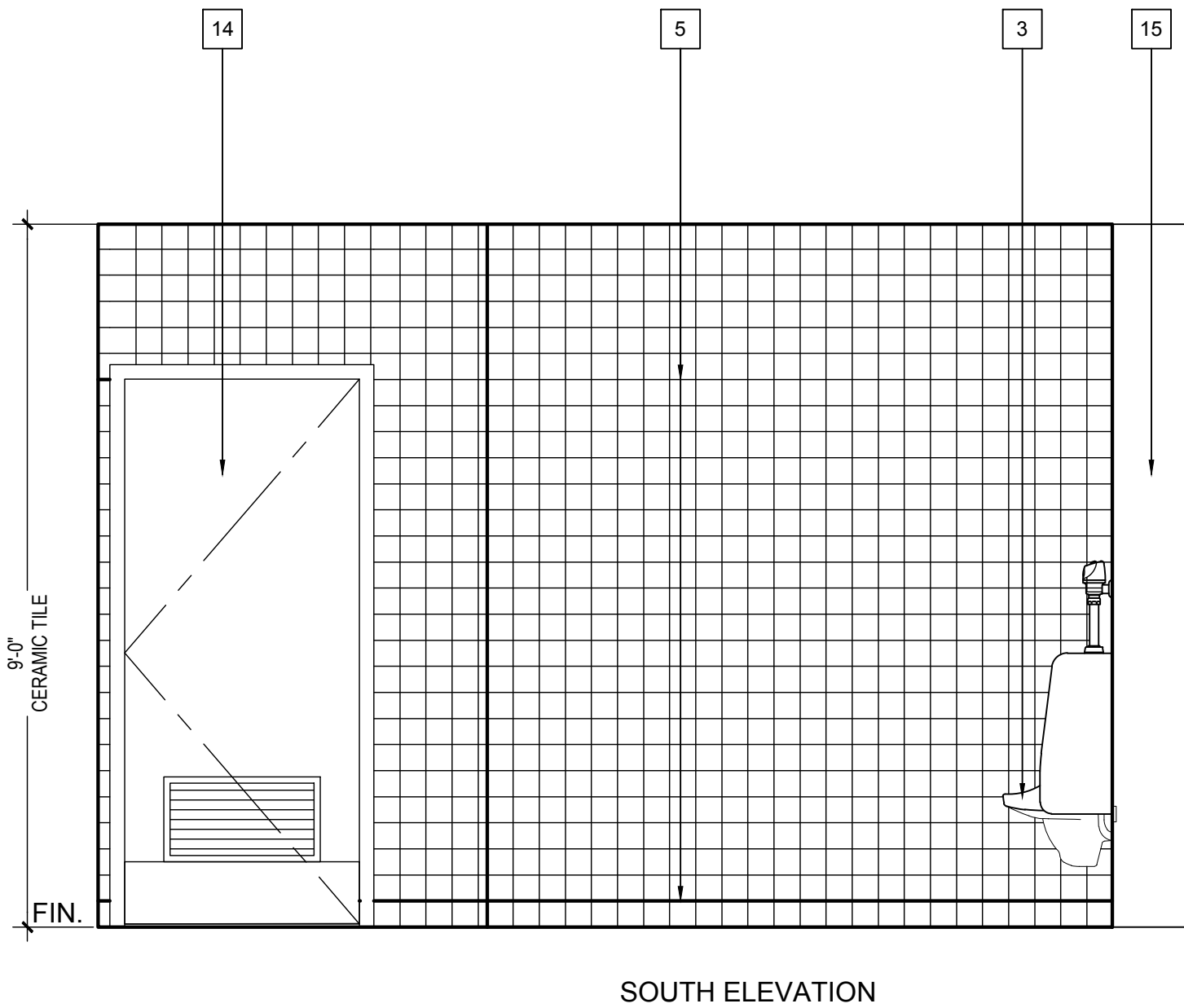
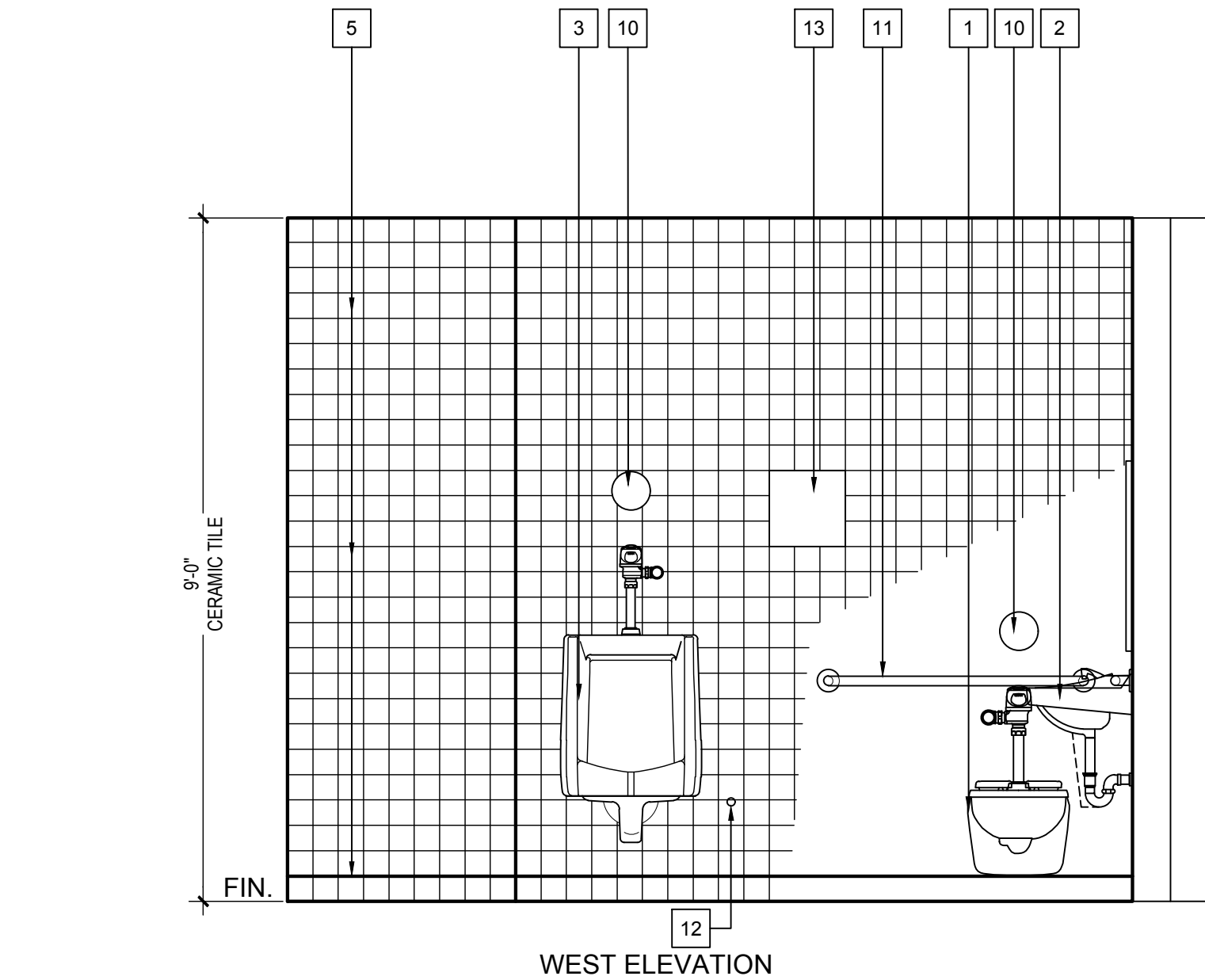
RESTROOM
ELEVATIONS

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: MSP CHECKED: MSP
SHEET NUMBER

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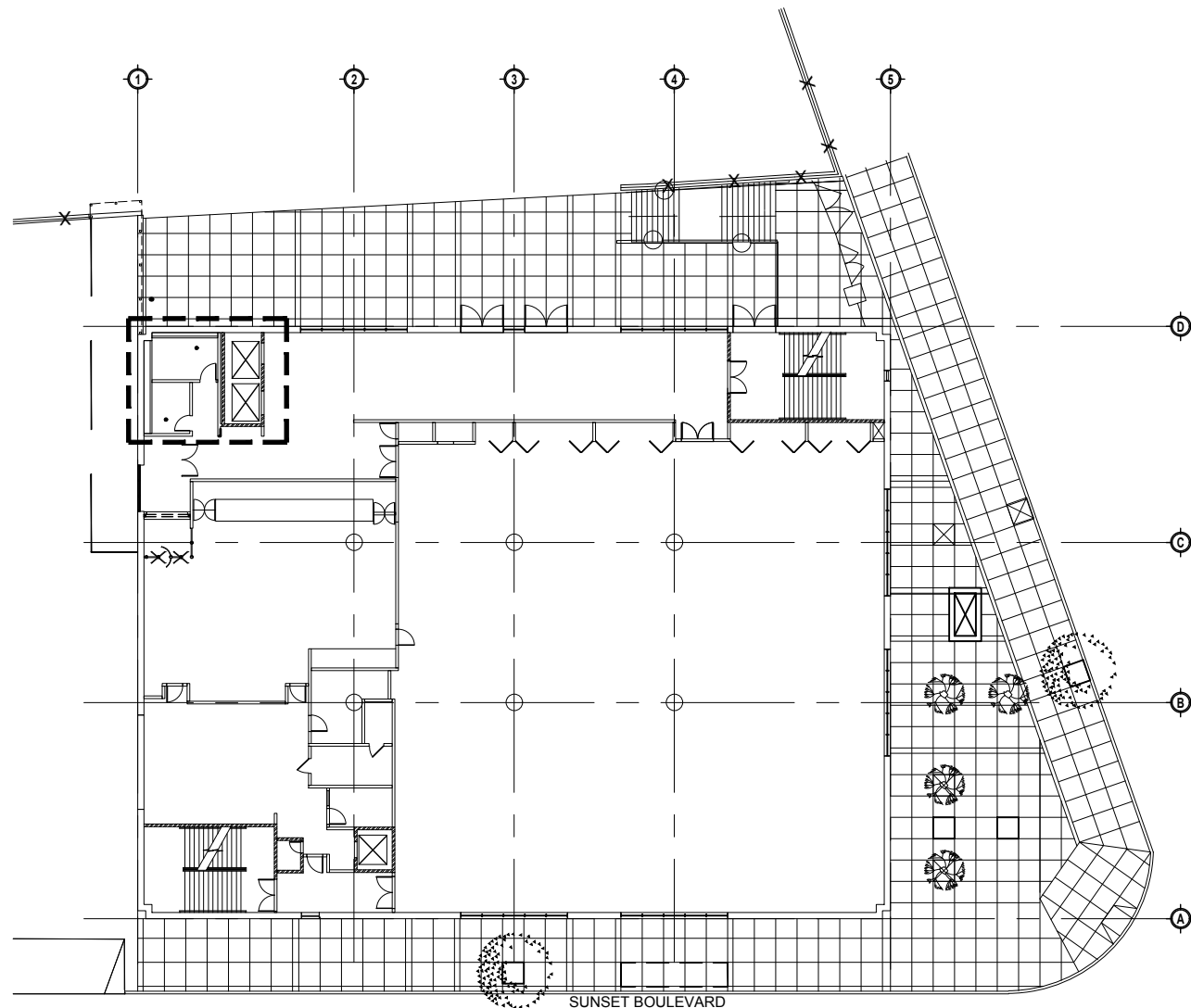
DATE: 4.26.24 SHEET: 26 OF: 63

PRINTED DATE: A 11 28, 2024



CONSTRUCTION KEYNOTES

1



MEN'S RESTROOM

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

FILE:

KEY PLAN

1

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APP: 03-123812 INC:
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DATE: 09/04/2024



LOS ANGELES UNIFIED
SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL

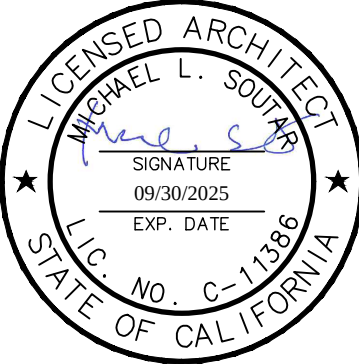
717 North Figueroa Street
Los Angeles, California 90012

COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT
Architects McDonald, Soutar & Paz, Inc.
3575 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA 90807
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EXISTING FIRST
FLOOR REFLECTED
CEILING PLAN

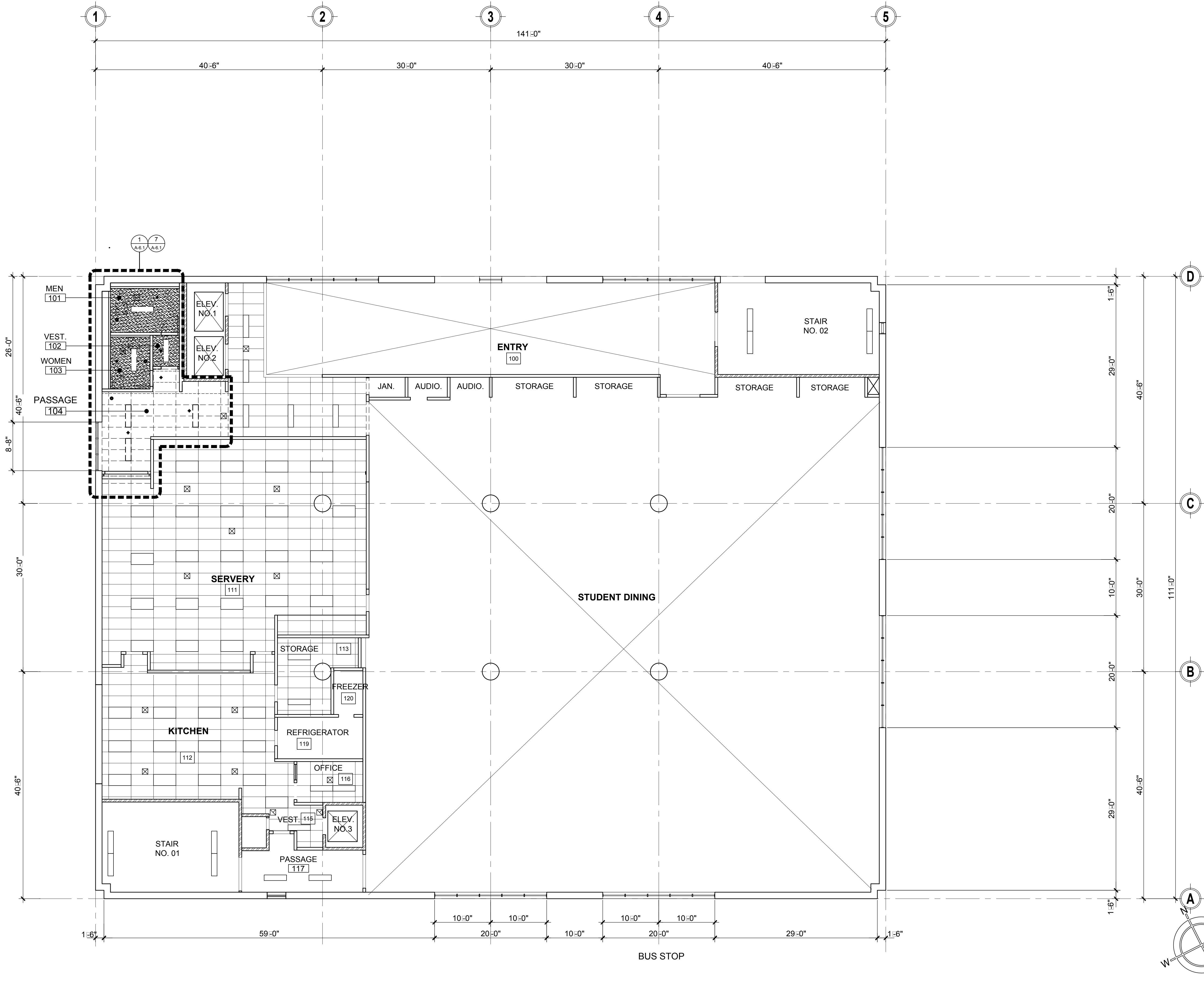
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A-6.0

DATE: 4.26.24 SHEET: 27 OF: 63

PRINTED DATE: A 11 25, 2024



EXISTING FIRST FLOOR REFLECTED CEILING PLAN

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

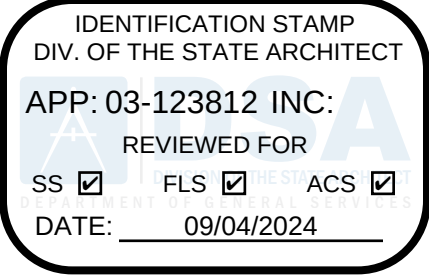
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DOOR N	ROOM N	ROOM NAME	DOOR TYPE	SIZE (W □ H)	DOOR THICKNESS	GLAZING	DOOR MATERIAL	FRAME MATERIAL	DOOR FINISH	HEAD DETAIL	JAMB DETAIL	THRESHOLD	HARDWARE PER SPEC 08 7100	FIRE RATING	REMARKS
GARAGE LEVEL															
0001		ELEV. 1 & 2 LOBBY	C	3'-0" □ 7'-0" (SGL)	1-3/4"	-	HMD	XHMF	PT□	-	-	-	01 □	90 MIN.	NEW DOOR AND NEW DOOR HARDWARE. EXISTING DOOR FRAME.
0002		EXTERIOR TO/FROM GARAGE	-	3'-0" □ 7'-0" (SGL)	1-3/4"	-	XWDD	XHMF	PT□	-	-	-	02 □	NON-RTD	NEW HARDWARE AND NEW PAINT FINISH FOR EXISTING DOOR.
* SEE HARDWARE SCHEDULE ON SPECIFICATION 08 7100. ** SEE SPECIFICATIONS															
FIRST FLOOR															
0101	100	ENTRY	-	-	-	-	-	-	-	-	-	-	05 □	-	EXISTING DOOR. PROVIDE NEW HARDWARE & NEW PAINT FINISH.
0102	100	ENTRY	-	-	-	-	-	-	-	-	-	-	05 □	-	EXISTING DOOR. PROVIDE NEW HARDWARE & NEW PAINT FINISH.
0103	104A	CAFETERIA VESTIBULE	A	3'-0" □ 7'-0" (PR)	-	-	HMD	HMF	PT□	4B/-	4A/-	-	06 □	-	NEW DOOR WITH VISION PANELS WITH LAMINATED GLASS.
0104	103	WOMEN RESTROOM	B	3'-0" □ 7'-0"	-	-	WDD	HMF	PT□	1/B/-	1/A/-	-	07 □	-	NEW DOOR, DOOR FRAME AND DOOR HARDWARE.
0105	101	MEN RESTROOM	B	3'-0" □ 7'-0"	-	-	WDD	HMF	PT□	1/B/-	1/A/-	-	07 □	-	NEW DOOR, DOOR FRAME AND DOOR HARDWARE.
0106	118	STUDENT DINING	-	-	-	-	-	-	-	-	-	-	05 □	RATED	EXISTING DOOR. PROVIDE NEW HARDWARE & NEW PAINT FINISH.
0107	100 118	ENTRY/STUDENT DINING	-	-	-	-	-	-	-	-	-	-	05 □	RATED	EXISTING DOOR. PROVIDE NEW HARDWARE & NEW PAINT FINISH.
0108	100	ENTRY/STAIR N 2	-	-	-	-	-	-	-	-	-	-	05 □	RATED	EXISTING DOOR. PROVIDE NEW HARDWARE & NEW PAINT FINISH.
0109		STAIR N 2	-	-	-	-	-	-	-	-	-	-	02 □	-	EXISTING DOOR. PROVIDE NEW HARDWARE & NEW PAINT FINISH.
* SEE HARDWARE SCHEDULE ON SPECIFICATION 08 7100. ** SEE SPECIFICATIONS															

1. CONTRACTOR SHALL FIELD VERIFY ALL DOOR OPENING DIMENSIONS, FRAME DIMENSIONS, AND DOOR THICKNESS PRIOR TO ORDERING AND INSTALLATION OF NEW DOORS.
2. PROVIDE SEAL AT ALL DOORS.
3. PROVIDE NEW ADA-COMPLIANT HARDWARE AT ALL ENTRY AND PASS THROUGH DOORS.
4. FOR PAINT SELECTION, SEE FINISH SCHEDULE AND APPROVED DISTRICT COLOR BOARD.
5. CONTRACTOR TO COORDINATE WITH SCHOOL DISTRICT FOR KEYS, CYLINDER CORES, AND MASTER KEYS.
6. GLAZING SHALL COMPLY WITH CBC TABLE 2406.2 (1) FOR HUMAN IMPACT LOAD REQUIREMENTS.
7. GLAZING SHALL COMPLY WITH THE REQUIREMENTS OF HAZARDOUS LOCATIONS PER CBC 2406.4
7. GLAZING SHALL COMPLY WITH THE IDENTIFICATION REQUIREMENTS PER CBC 2406.3
8. SELF CLOSING DOORS SHALL MEET OPENING PRESSURE REQUIREMENT PER CBC
9. SEE SPECS FOR HARDWARE SET NUMBER.
10. PATCH AND REPAIR DAMAGED CONCRETE AT DOOR, WHERE OCCURS. PRIOR TO INSTALLATION OF NEW THRESHOLD, TYPICAL AT ALL EXTERIOR DOORS.
11. WHEN DOOR OPENINGS ARE SMALLER OR BIGGER THAN NEW STANDARD SIZE DOOR AND FRAME, CONTRACTOR TO ADJUST OPENING. PATCH AND PAINT TO MATCH ADJACENT.
12. EXIT AND EXIT ACCESS DOORS FROM ROOMS HAVING LOAD OF 50 OR MORE AND CORRIDORS SHALL NOT BE PROVIDED WITH LATCH OR LOCK UNLESS IT IS PANIC OR EXIT HARDWARE(CBC1010.1.10)
13. GROUP E- DOORS SHALL INCLUDES LOCK THAT ALLOW DOORS TO CLASSROOMS AND ANY ROOM WITH AN OCCUPANCY OF FIVE OR MORE PERSONS TO BE LOCKED FROM THE INSIDE.
14. 78" MIN HEIGHT CLEARANCE REQUIRED TO DOOR CLOSER PER 11B-404.2.3.

- EMERGENCY EXIT AND PANIC HARDWARE
PER SFM STANDARD 12-19-3, SECTION 12010-302
- a) THE CROSS-BAR SHALL EXTEND ACROSS. NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE.
- d) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OR PERSONS DURING EGRESS.
15. PAINT MATERIALS SHALL BE BY ONE MANUFACTURER, SEE SPECIFICATION 09 9000 PART PRODUCTS 2.01 PAINT MATERIALS A. PAINT MATERIAL SHALL BE MINIMUM ARCHITECTURAL GRADE, SEE SPECIFICATION 09 9000 PART 2 PRODUCTS 2.01 PAINT MATERIALS C. METAL DOORS AND FRAMES, SEE SPECIFICATION 09 9000 3.04 SCHEDULE 11. METAL a. □



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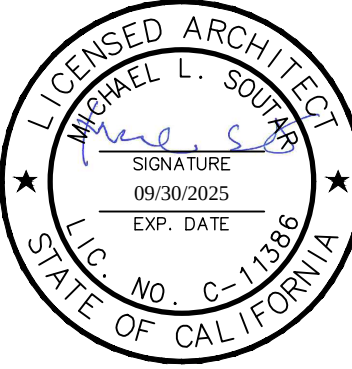
PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL
717 North Figueroa Street
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COLIN NUMBER: 10372448

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SHEET TITLE:

DOOR
SCHEDULE &
DETAILS

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: MSP CHECKED: MSP
SHEET NUMBER

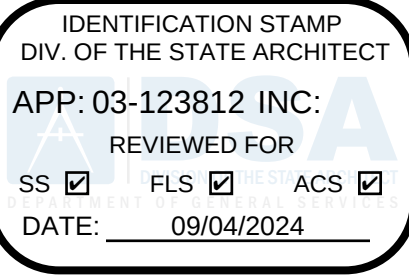
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DATE: 4.26.24 SHEET: 29 OF: 63

PRINTED DATE: A 11/28/2024

DOOR SCHEDULE			SCALE: NTS FILE:	9	DOOR NOTES			3
DOOR TYPES			SCALE: NTS FILE:	10	DOOR THRESHOLD			7
			SCALE: 3" □ 1'-0" FILE:	4	DOOR HEAD & JAMB			1

ROOM N	ROOM NAME	FLOOR TYPE	BASE TYPE	INTERIOR WALL				CEILING SEE SHEET 7/A-6.1	REMARKS	FLOORS	BASE	WALLS	CEILING
				NORTH	SOUTH	EAST	WEST			F2 LVT FLOOR- LUXURY VINYL TILES	B1 4" RUBBER BASE B2 6" CERAMIC TILE BASE	W1 PAINT, GLOSS, SEE NOTES A. W2 4" X 4" CERAMIC TILES	C1 (N) GYPSUM BOARD-PAINT, GLOSS. SEE NOTE A BELOW. C2 (N) CEILING GRID/ (N) CEILING TILES TO MATCH EXISTING
FIRST FLOOR													
101	MEN RESTROOM	F3	B2	W2	W2	W2	W2	C1					
102	VESTIBULE (RESTROOM)	F2	B1	W1	W1	W1	W1	C2					
103	WOMEN RESTROOM	F3	B2	W2	W2	W2	W2	C1					
104	PASSAGE	F2	B1	W1	W1	W1	W1	C2					
104A	CAFETERIA VESTIBULE	F2	B1	W1	W1	W1	W1	C2					
										CONTRACTOR TO SUBMIT SAMPLES FOR APPROVAL			
										INTERIOR FINISH NOTES: 1. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED FOR PERFORMANCE AND SMOKE DEVELOPMENT PER CBC 2019 SECTION 803 PROVISIONS. 2. INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED BY OCCUPANCY TYPE PER CBC 2022 TABLE 803.9 OR BE TESTED PER SECTION 803.1.2 (NFPA 286 CRITERIA). 3. TEXTILE WALL AND VINYL COVERING SHALL BE TESTED PER CBC 2022 SECTION 803.1.3 OR 803.1.4 ACCEPTANCE CRITERIA. INTERIOR FLOOR FINISHES SHALL COMPLY WITH CBC SECTION 804. 4. THERMAL AND ACOUSTICAL INSULATION SHALL COMPLY WITH CBC SECTION 720. NOTE: 1. INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH CBC 2022 TABLE 803.5 2. FLOOR FINISHES SHALL COMPLY WITH CBC SECTION 804. 3. WALL AND CEILING SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC T-803.9. 4. PAINT ALL EXISTING / NEW SURFACES EXCEPT FOR ITEM THAT ARE NOT BE PAINTED PER SPECS 09-9000. 5. SUBMIT COLOR FOR ARCHITECT APPROVED. NOTE: A. PAINT MATERIALS SHALL BE BY ONE MANUFACTURER. SEE SPECIFICATION 09 9000 PART 2 PRODUCTS 2.01 PAINT MATERIALS A. PAINT MATERIAL SHALL BE MINIMUM ARCHITECTURAL GRADE. SEE SPECIFICATION 09 9000 PART 2 PRODUCTS 2.01 PAINT MATERIALS C.			
FINISH SCHEDULE									9	NOTES			3
										WALL AND CEILING NOTES			2
										VCT / TILES			SCALE: N.T.S. FILE: 1



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PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL**

717 North Figueroa Street
Los Angeles, California 90012

COLIN NUMBER: 10372448

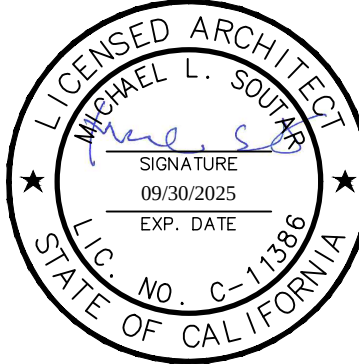
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SHEET TITLE

FINISH SCHEDULE & DETAILS

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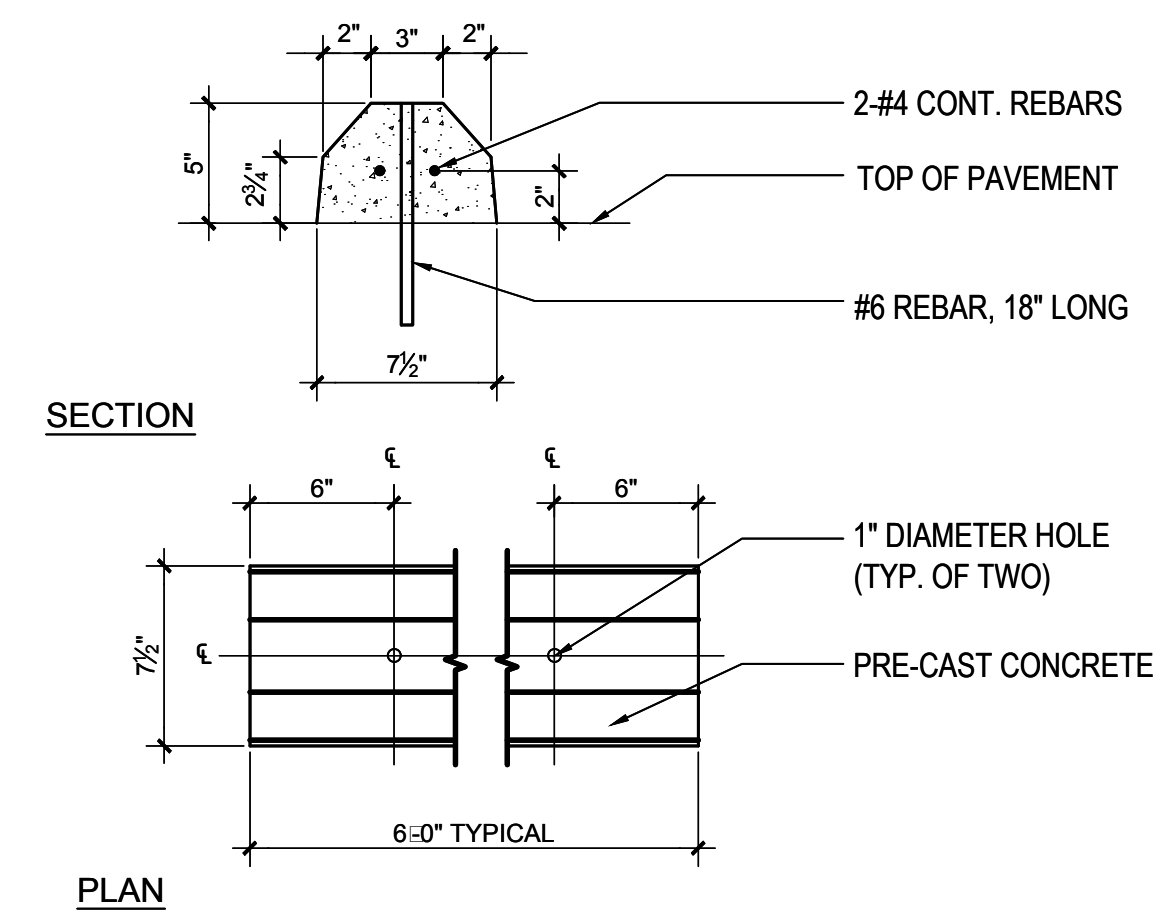
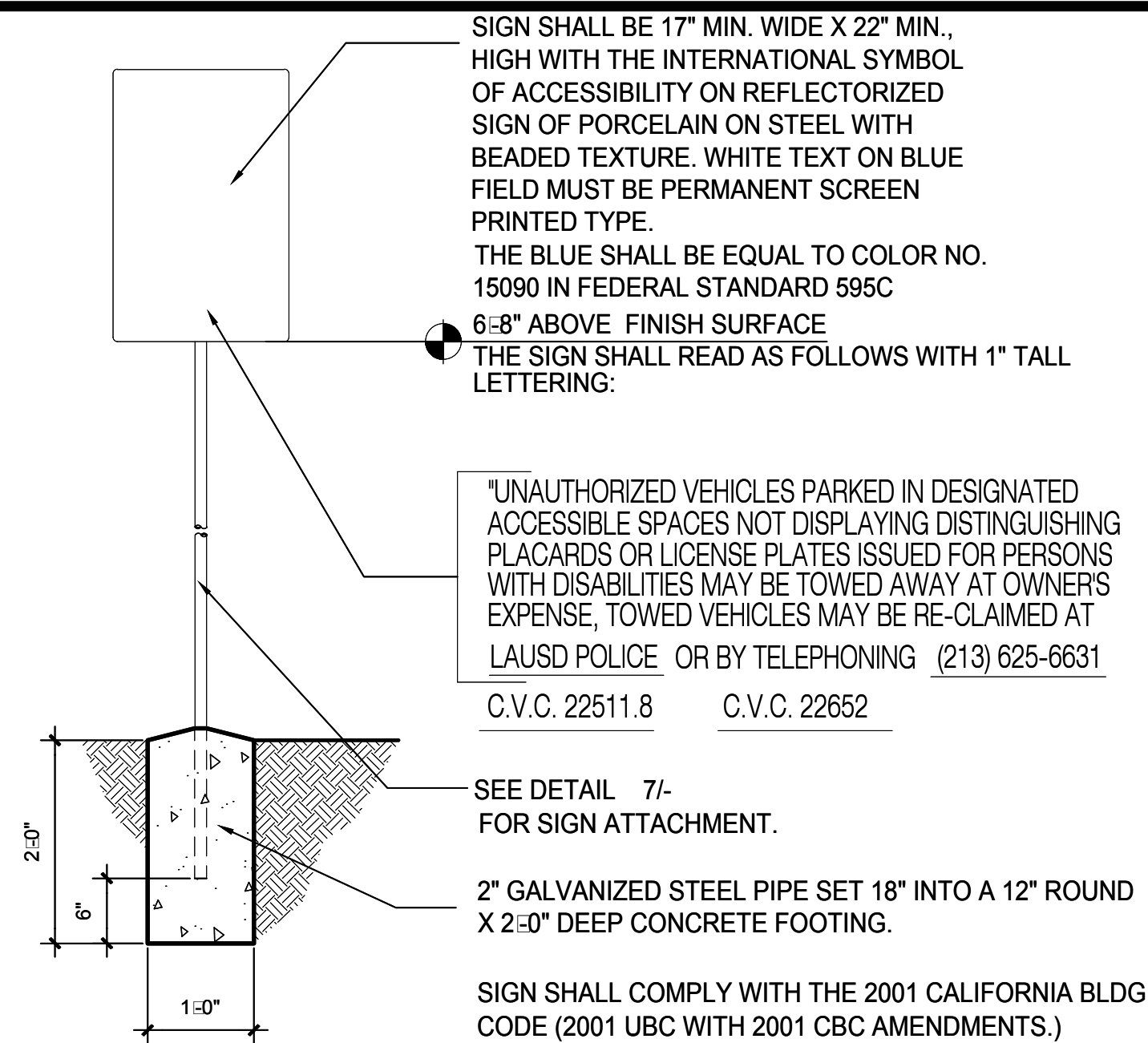
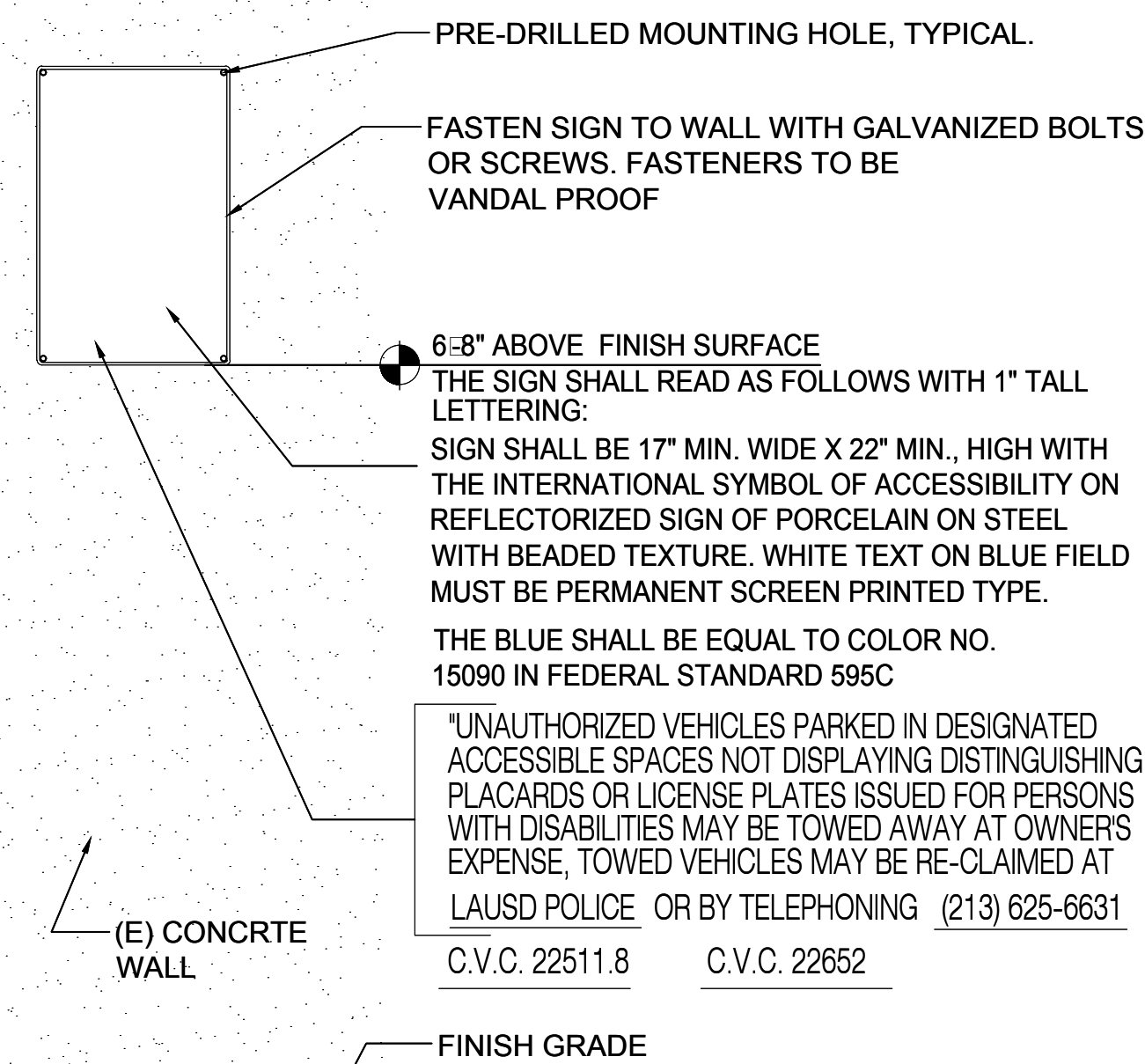
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DATE: 4.26.24 SHEET: 30 OF: 6

PRINTED DATE: April 29, 2024

2024

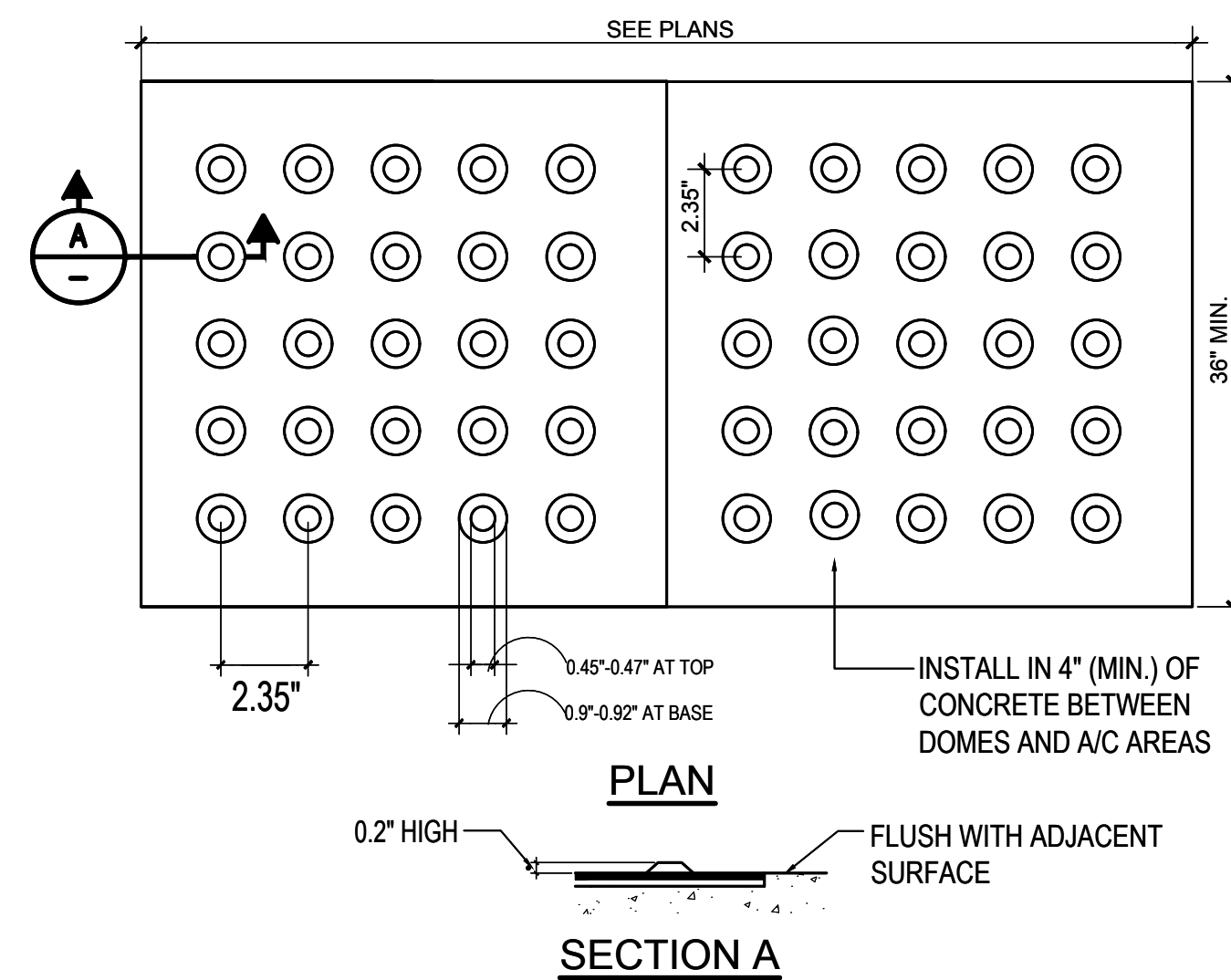


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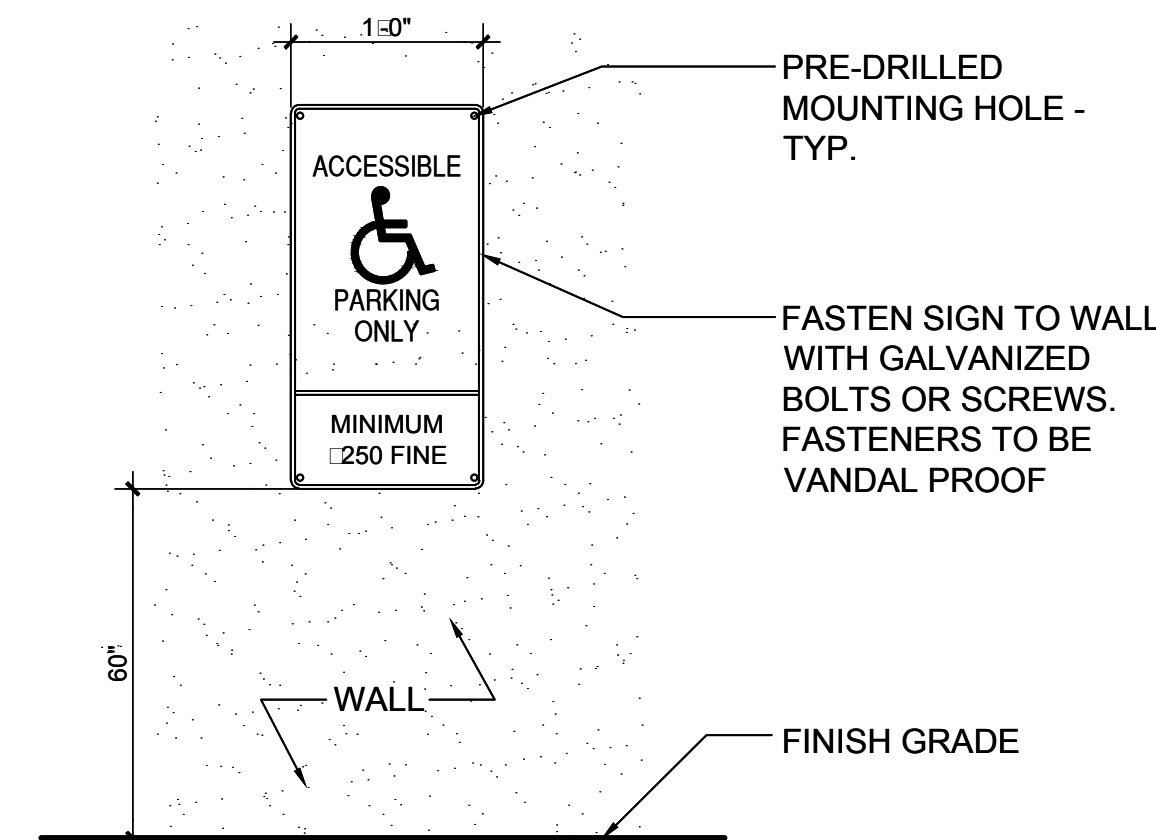
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PARKING AUTHORIZATION SIGN	SCALE: NTS	9
	FILE:	

WHERE THE DETECTABLE WARNING SURFACE DOES NOT PROVIDE A 70 PERCENTAGE MINIMUM CONTRAST WITH ADJACENT WALKING SURFACES, A 1" (25 MM) WIDE MIN. VISUALLY CONTRASTING SURFACE SHALL SEPARATE THE DETECTABLE WARNING FROM ADJACENT WALKING SURFACES. THE VISUALLY CONTRASTING SURFACE SHALL CONTRAST WITH BOTH THE DETECTABLE WARNING AND ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.



PARKING AUTHORIZATION SIGN	SCALE: NTS	6
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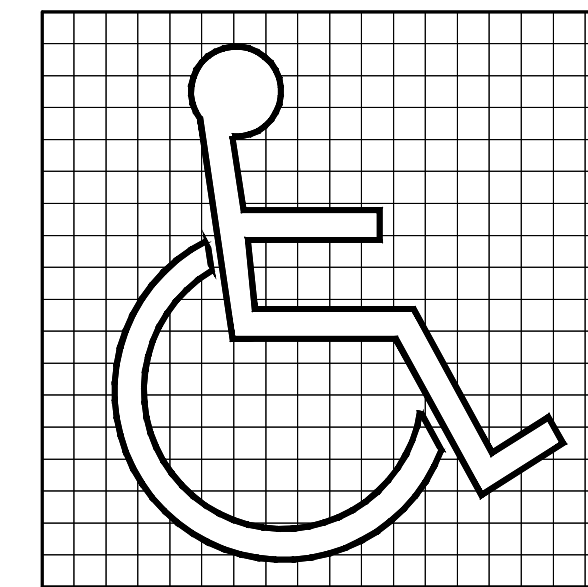


CONCRETE WHEEL STOP	SCALE: 1" = 1'-0"	3
	FILE:	

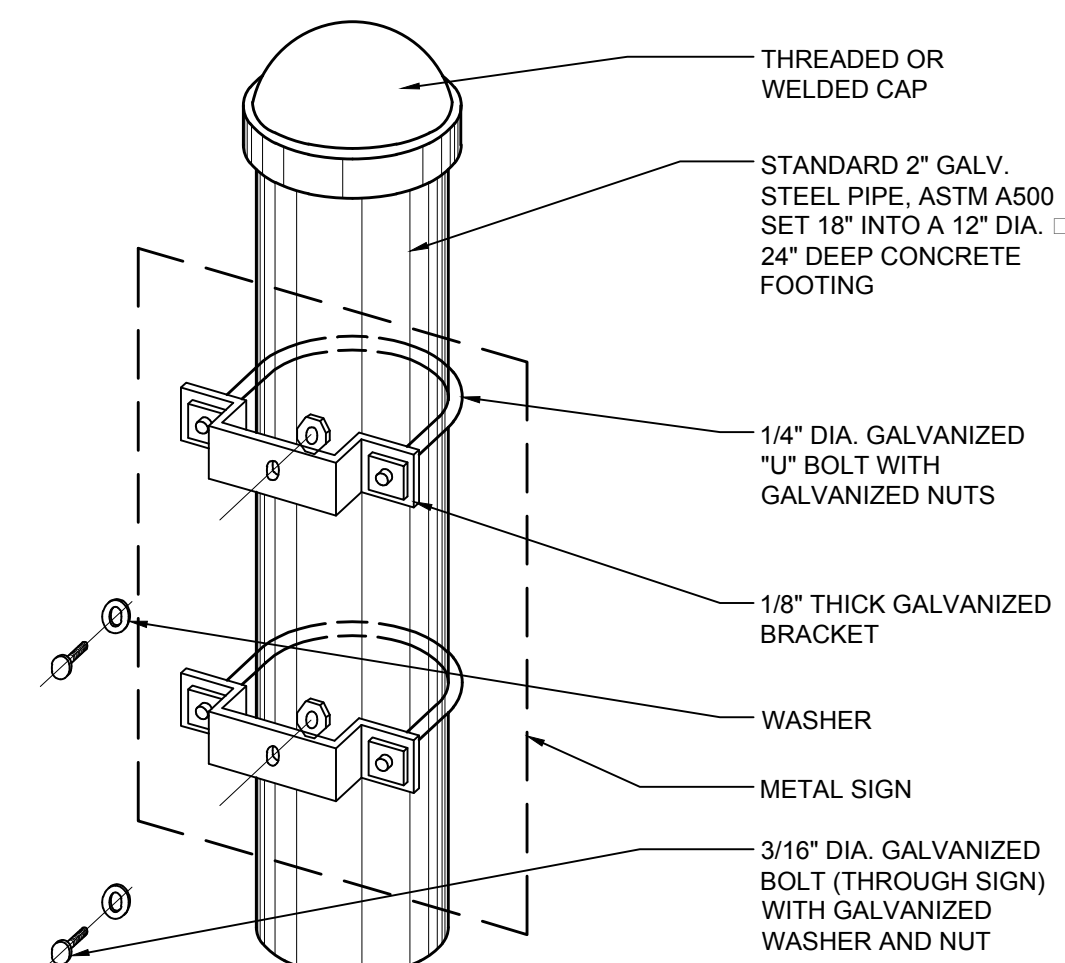
NOTE:
THIS DETAIL IS TO ILLUSTRATE MINIMUM SYMBOL DIMENSIONS AND REQUIRED GRAPHICS - REFER TO PLANS FOR EXACT LOCATIONS.

PAVEMENT SYMBOL SHALL BE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE TRAFFIC PAINT ON A BLUE TRAFFIC PAINT BACKGROUND, MATCHING COLOR 15090 IN FEDERAL STANDARD 595B -TYPICAL AT EACH ACCESSIBLE PARKING STALL.

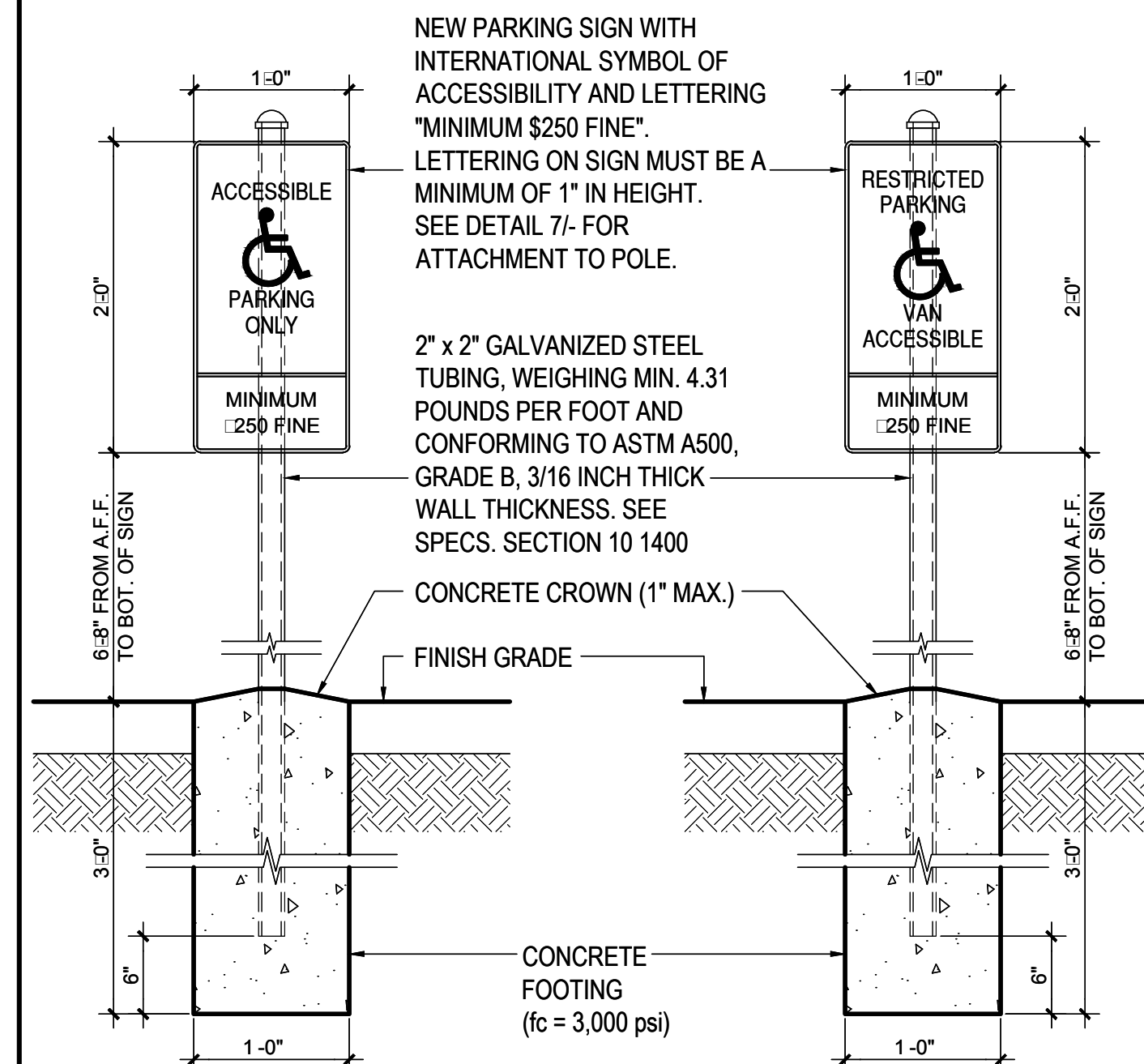
GRID LINES SHOWN ARE FOR PROPORTIONS ONLY AND ARE NOT TO APPEAR AS PART OF THE SYMBOL.



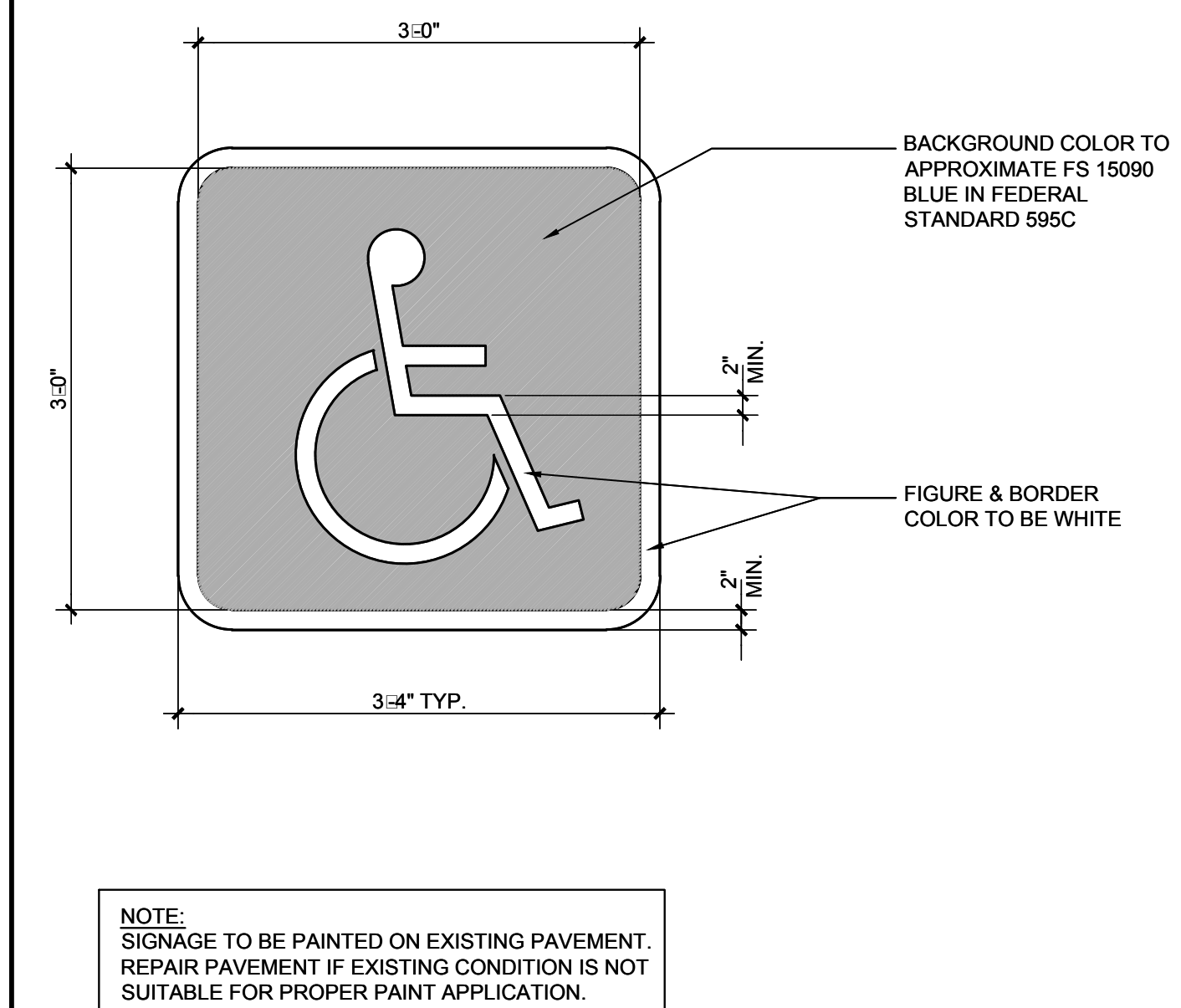
DETECTABLE WARNING	SCALE: 1 1/2"=1'-0"	8
	FILE:	



WALL-MOUNTED ACC. SIGN	SCALE: 1" = 1'-0"	5
	FILE:	



ISA SYMBOL	SCALE: 1" = 1'-0"	2
	FILE:	



SIGN-POST MOUNTING	SCALE: 1 1/2" = 1'-0"	7
	FILE:	

POST-MOUNTED ACC. SIGN	SCALE: 1" = 1'-0"	4
	FILE:	

PAVEMENT SIGN	SCALE: 1" = 10'	1
	FILE:	

PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL**

717 North Figueroa Street
Los Angeles, California 90012

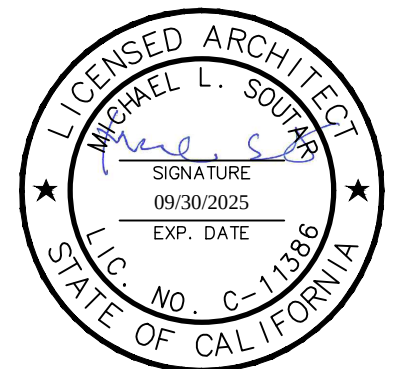
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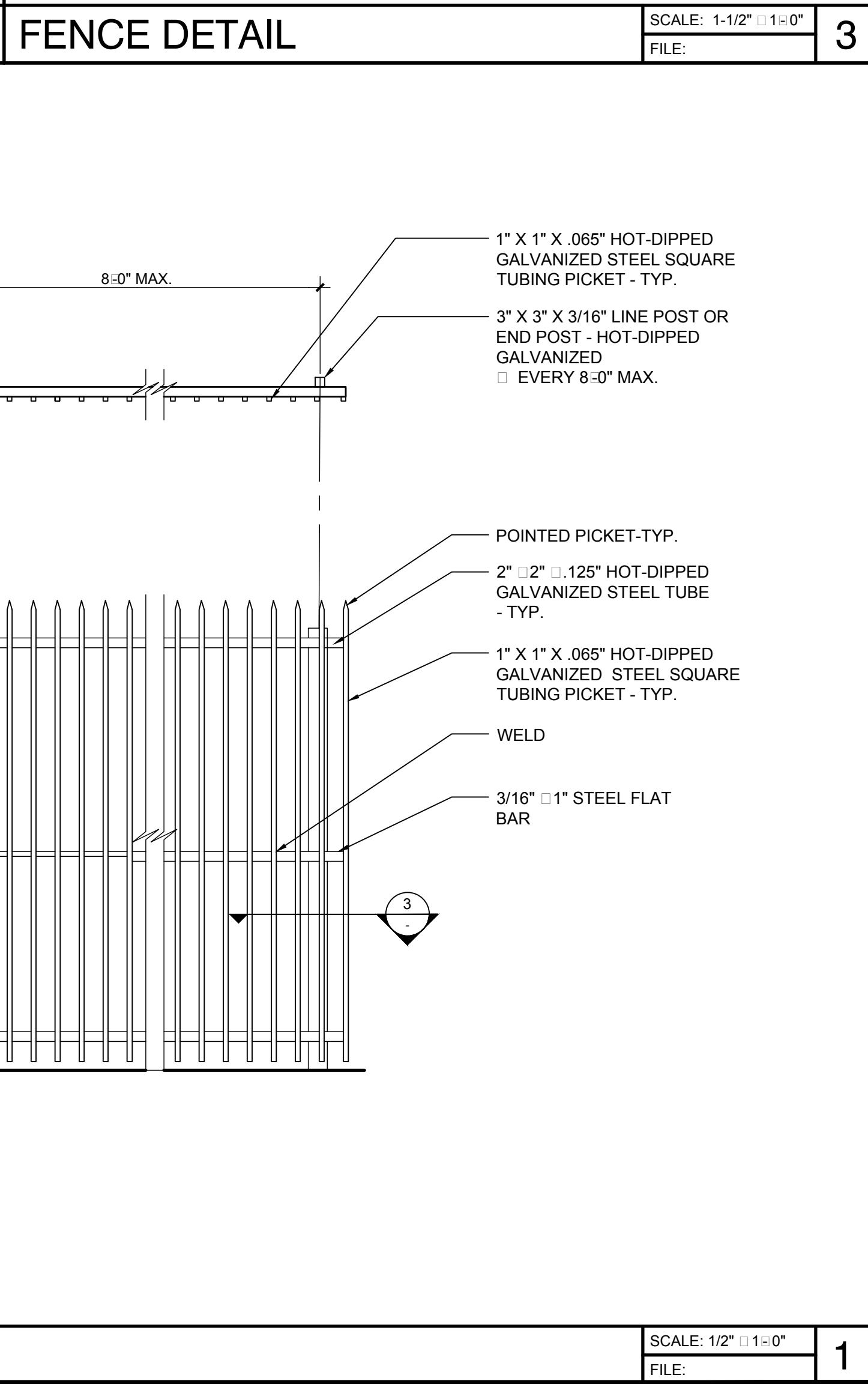
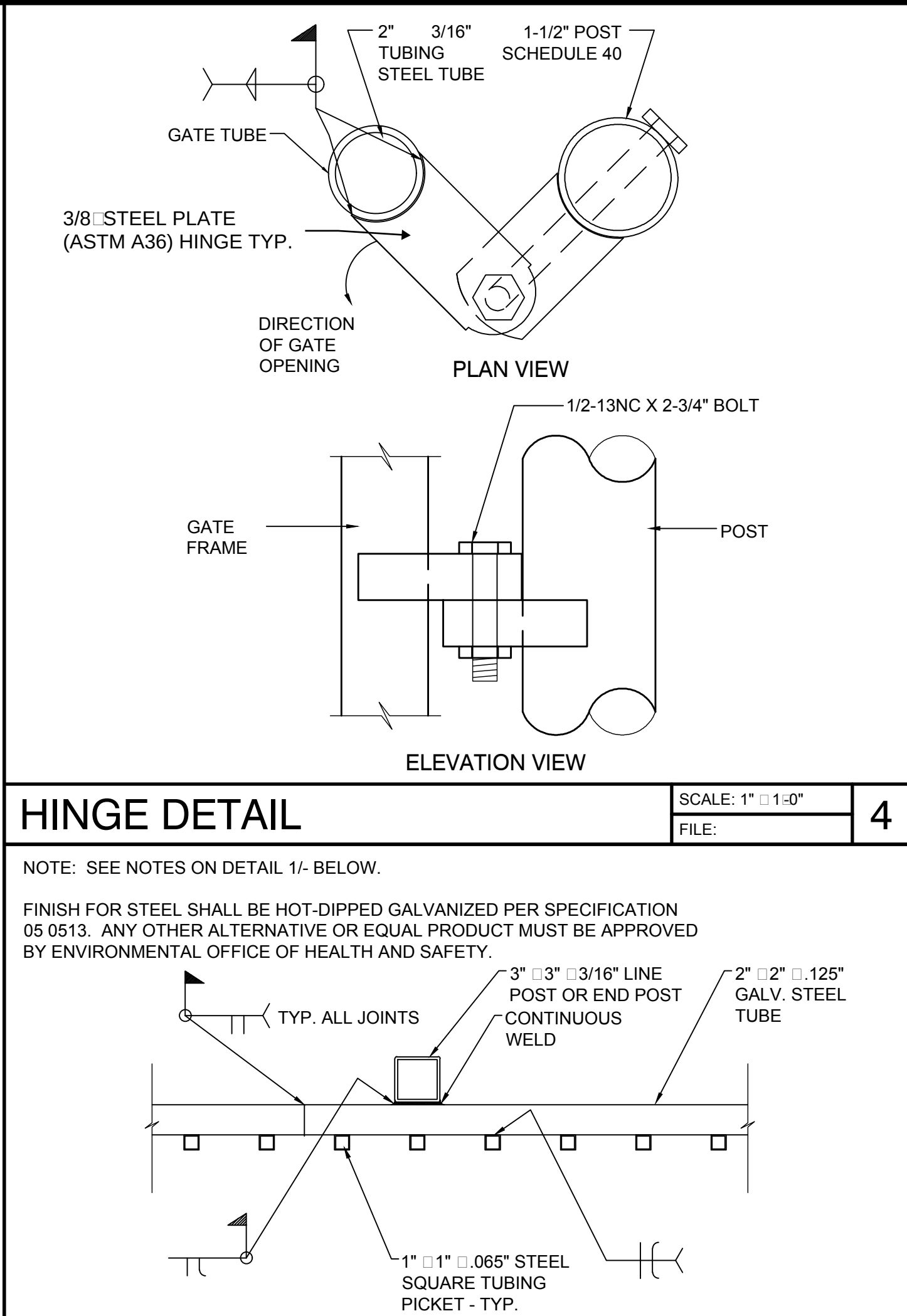
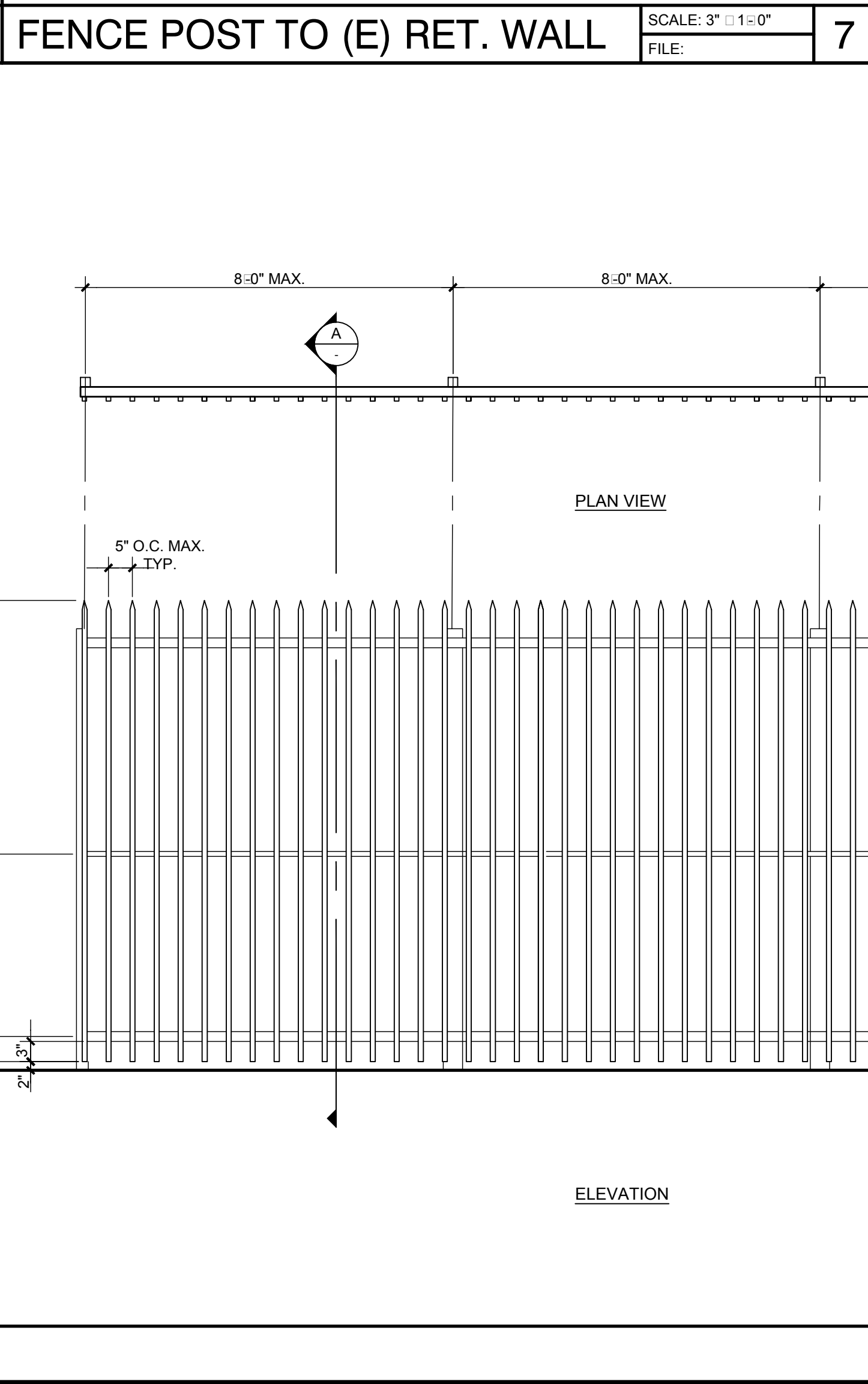
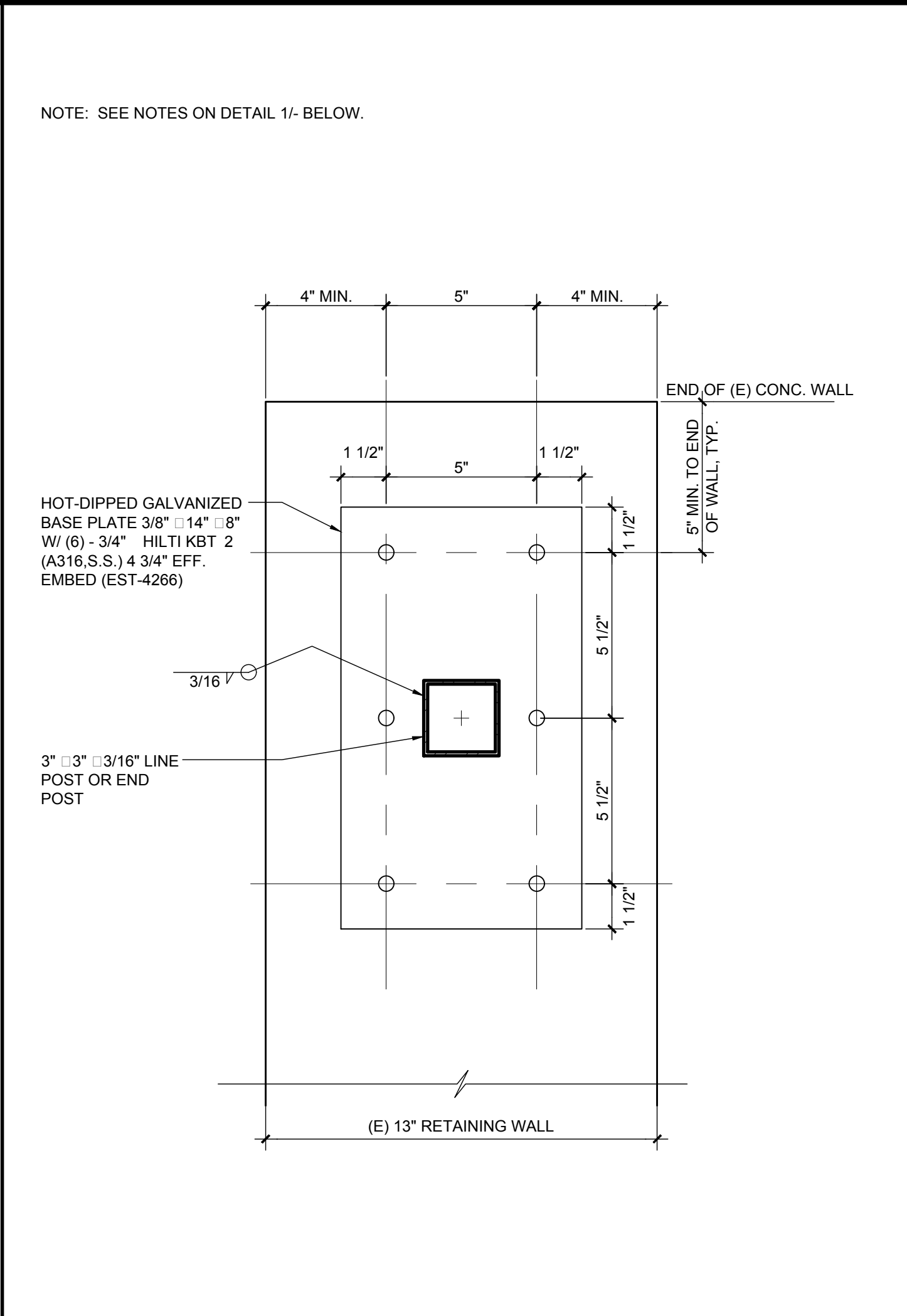
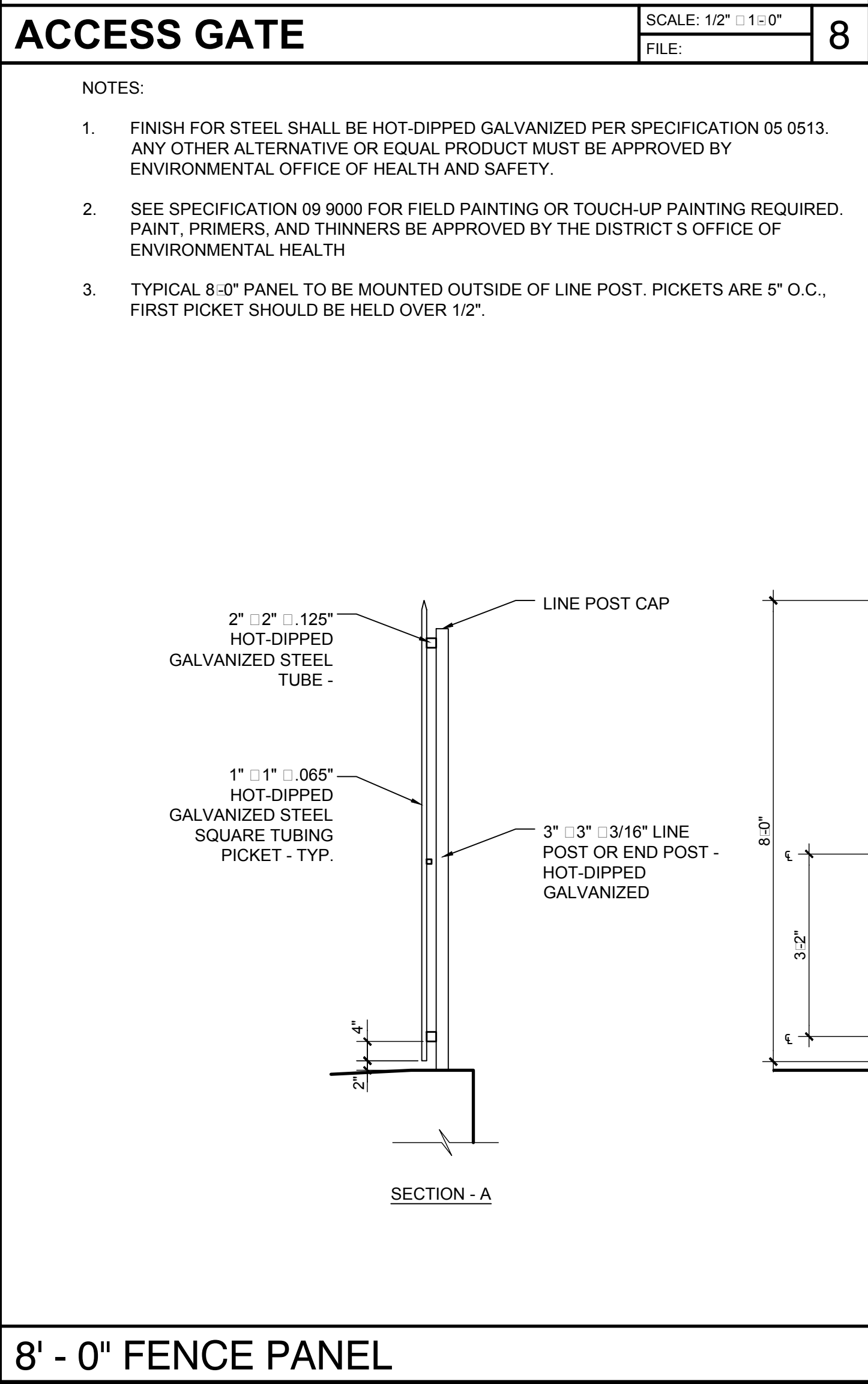
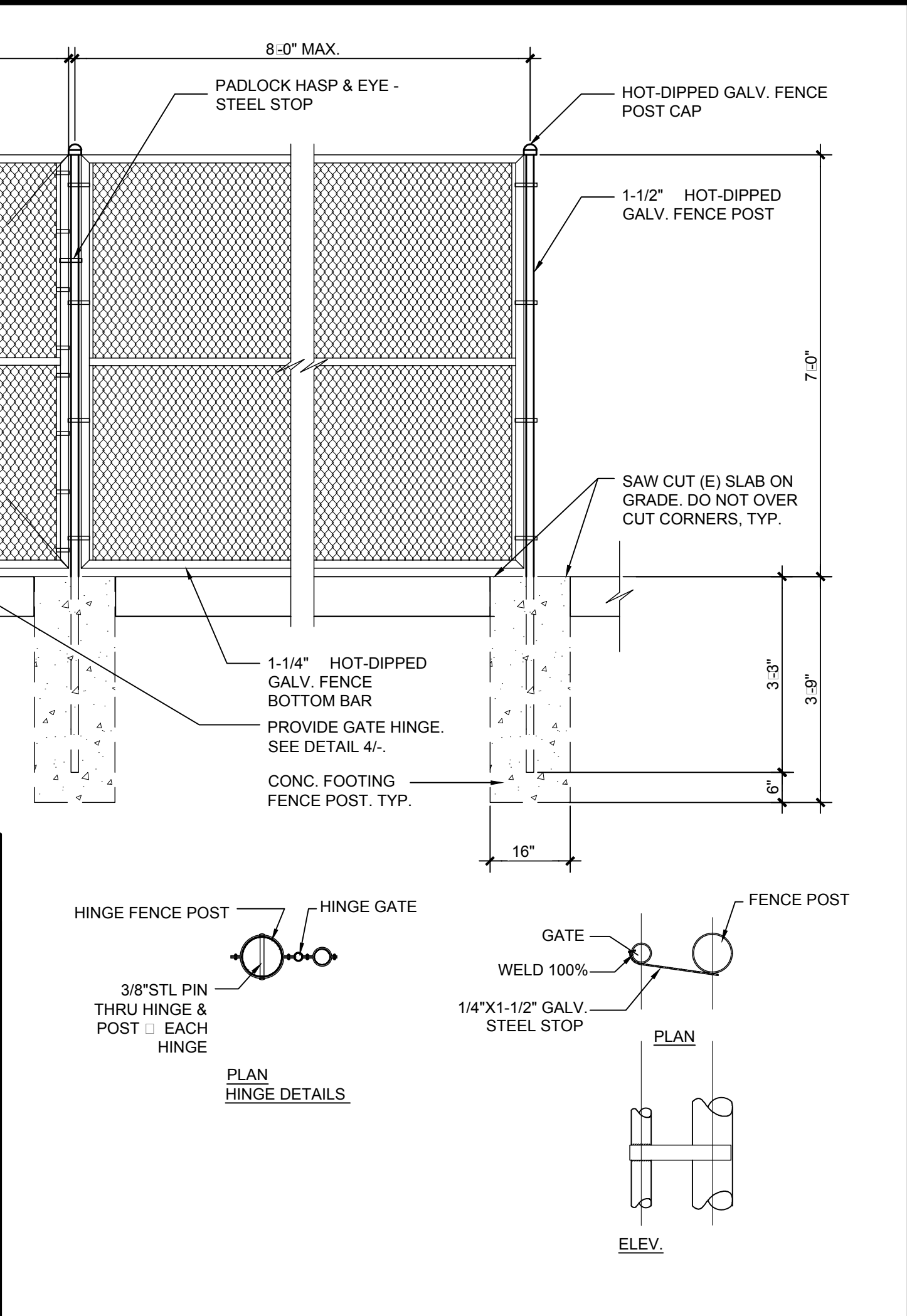
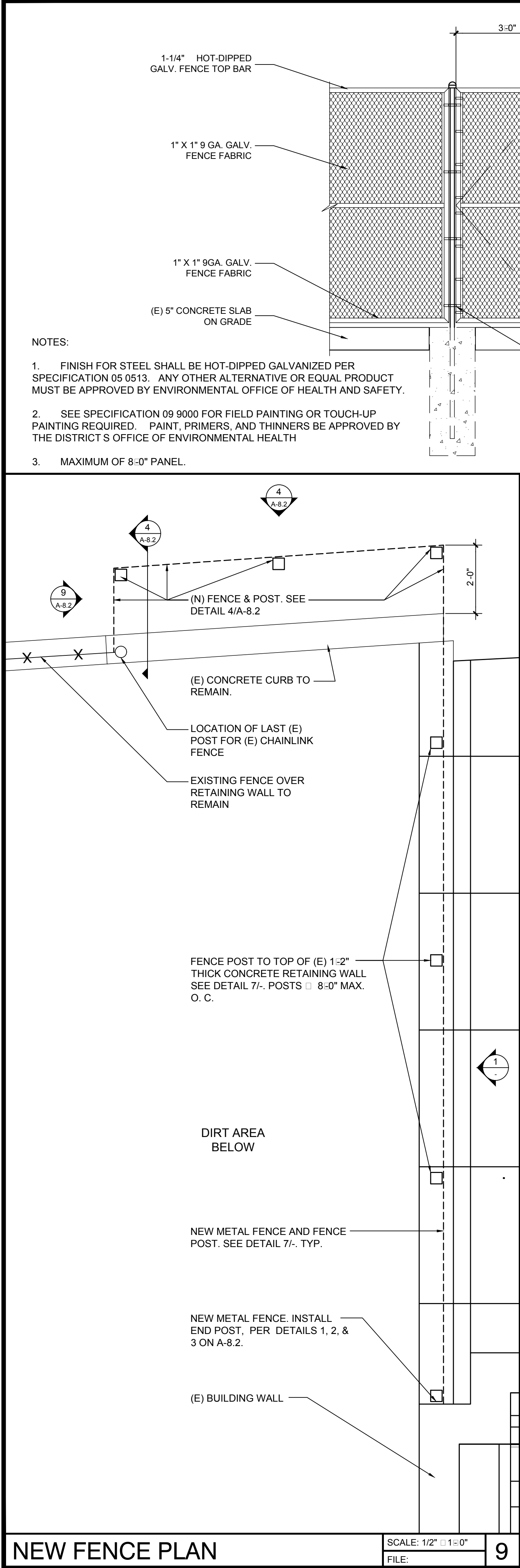
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DATE: 4 26 24	SHEET: 31 OF: 63
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APP: 03-123812 INC:
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SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024

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MICHAEL L. SOUTAR
SIGNATURE
09/30/2025
EXP. DATE
NO. C-11386
STATE OF CALIFORNIA

100% SUBMITTAL

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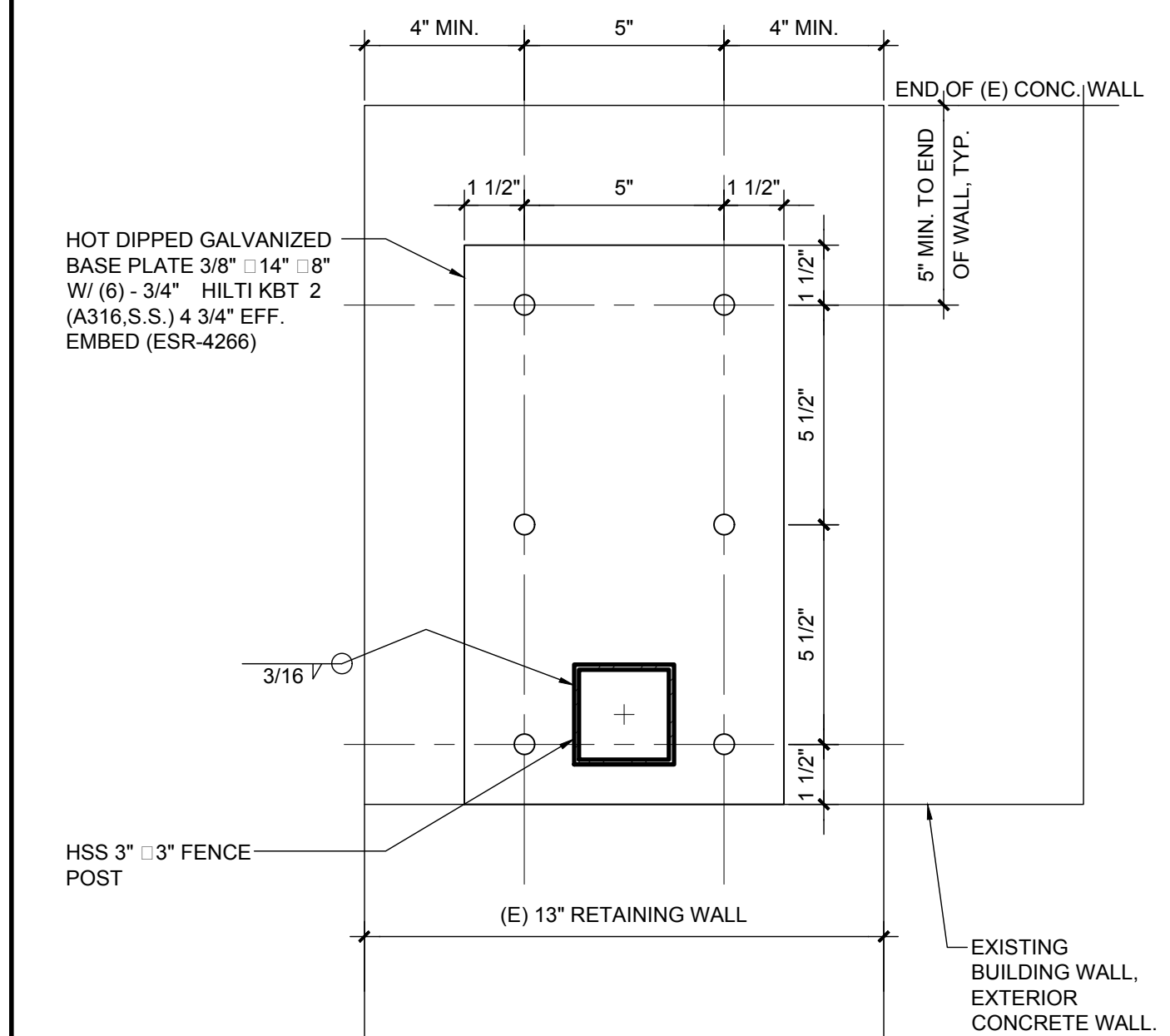
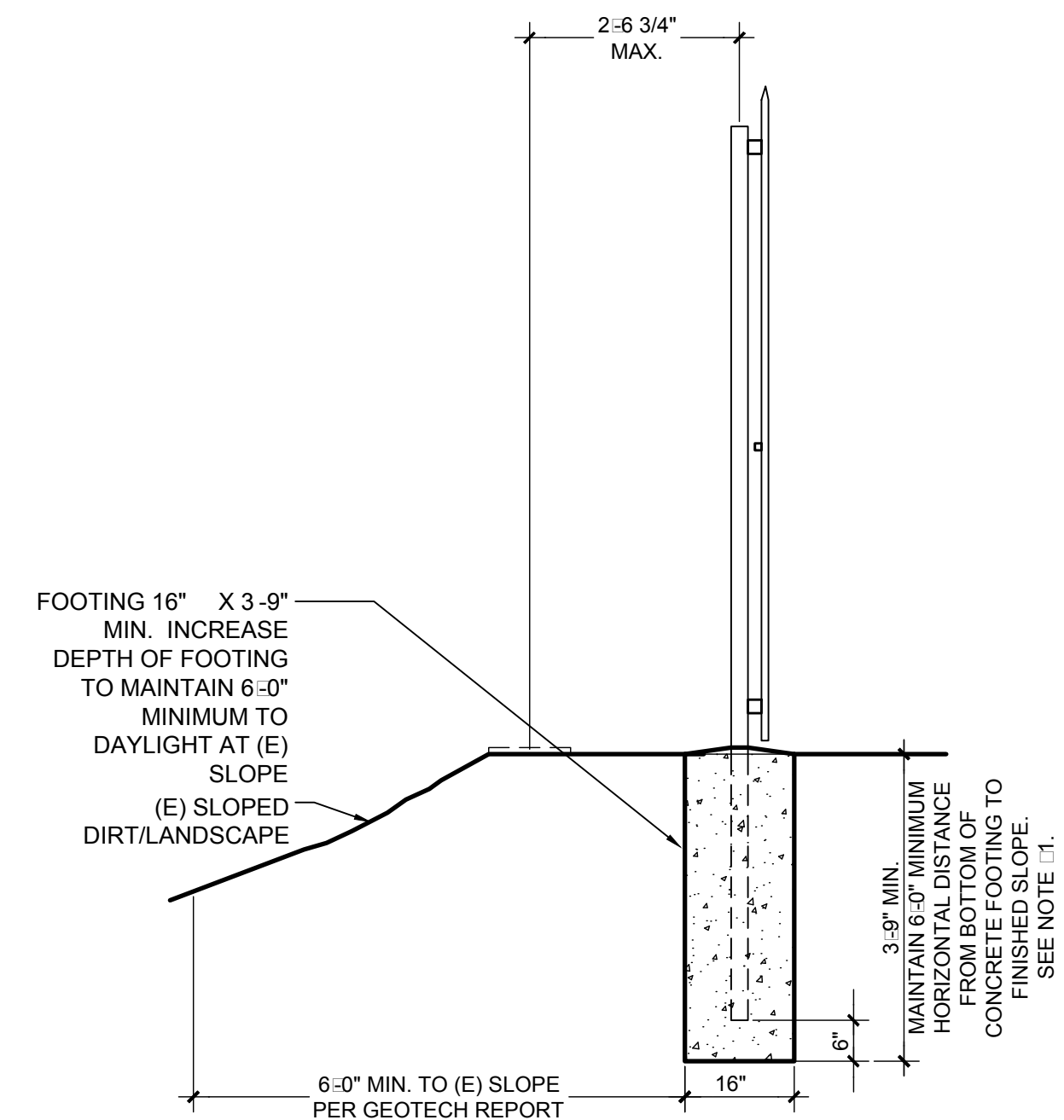
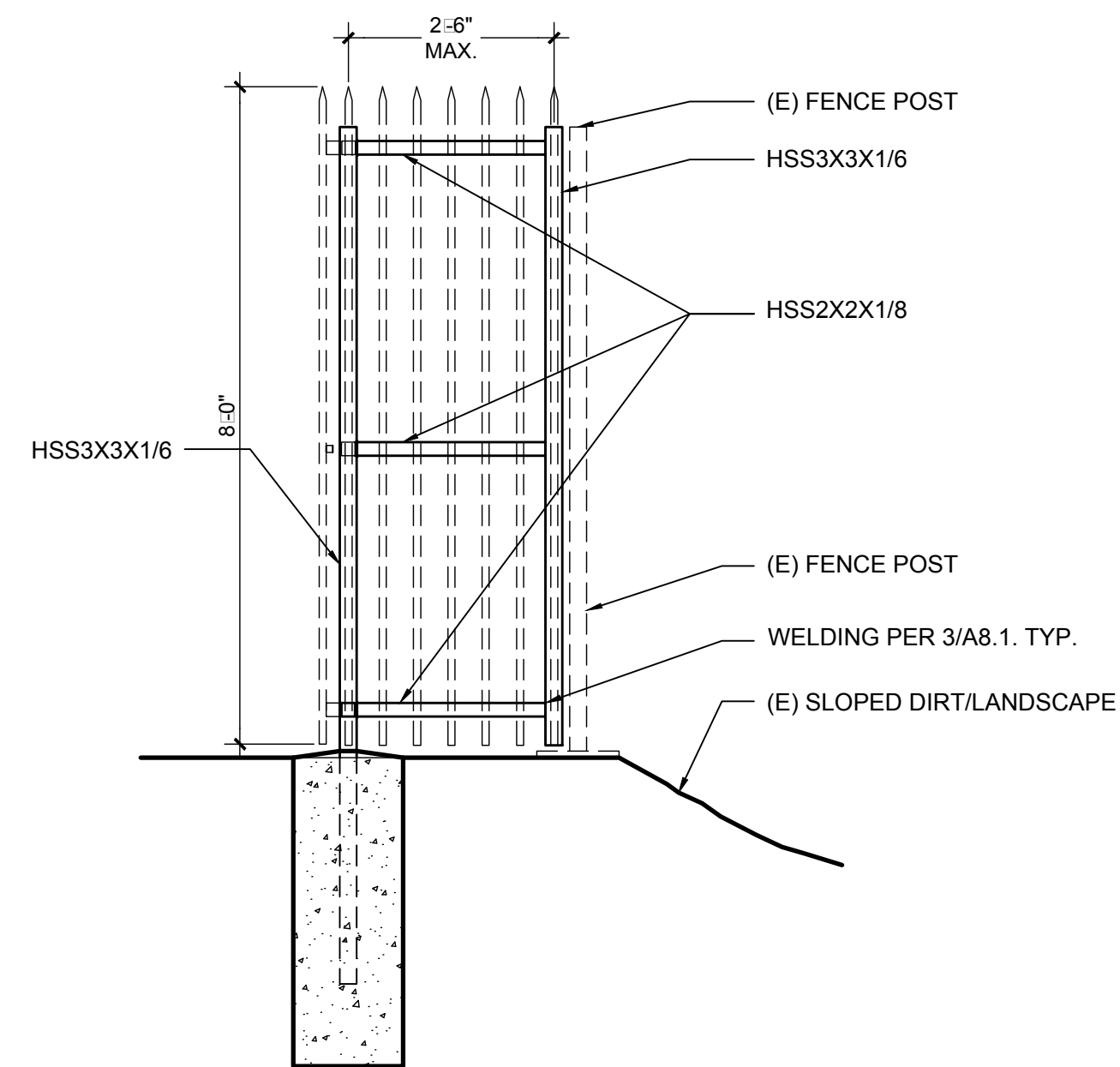
FENCE DETAILS

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
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SHEET NUMBER

A-8.1

DATE: 4.26.24 SHEET: 32 OF: 63

FILE: WPG-03-04-09-2025-10372448-Evans-Cas-Bridge-Removal-A&E-1-Fence-Details.dwg



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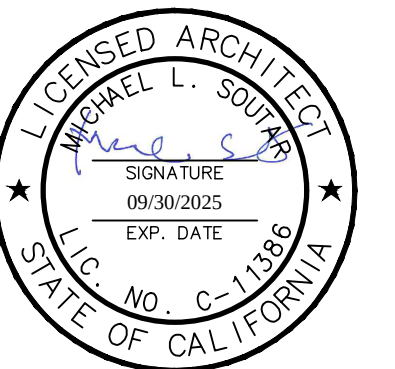
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MSP PROJECT NO.: 22-1322	PROJECT ARCH: MSP
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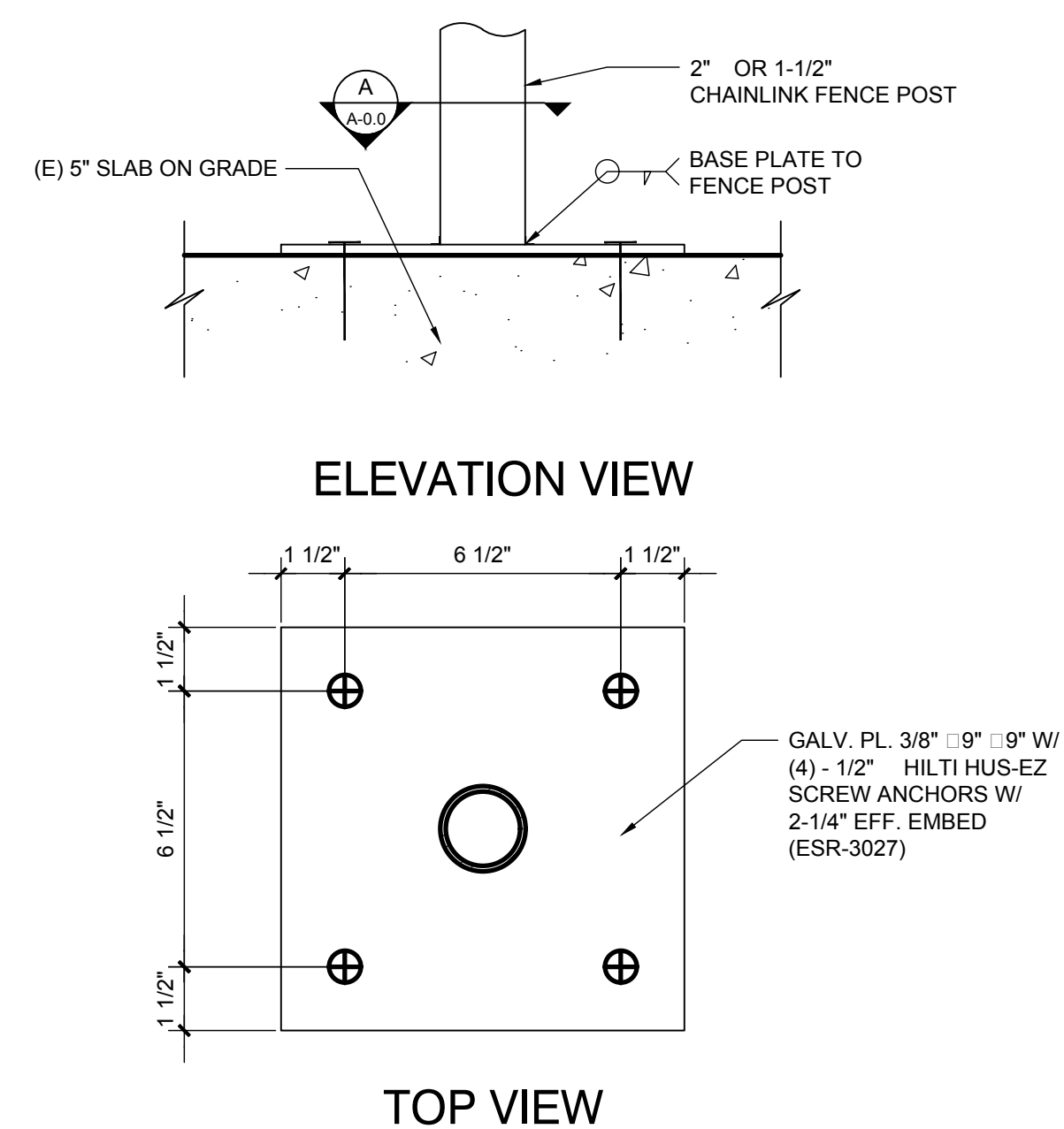
DRAWN:	MSP	CHECKED:	MSP
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	NOT	NOT
SHEET NUMBER		

A-8.2

DATE: 4 26 24 SHEET: 33 OF: 63

PRINTED DATE: April 30, 2024

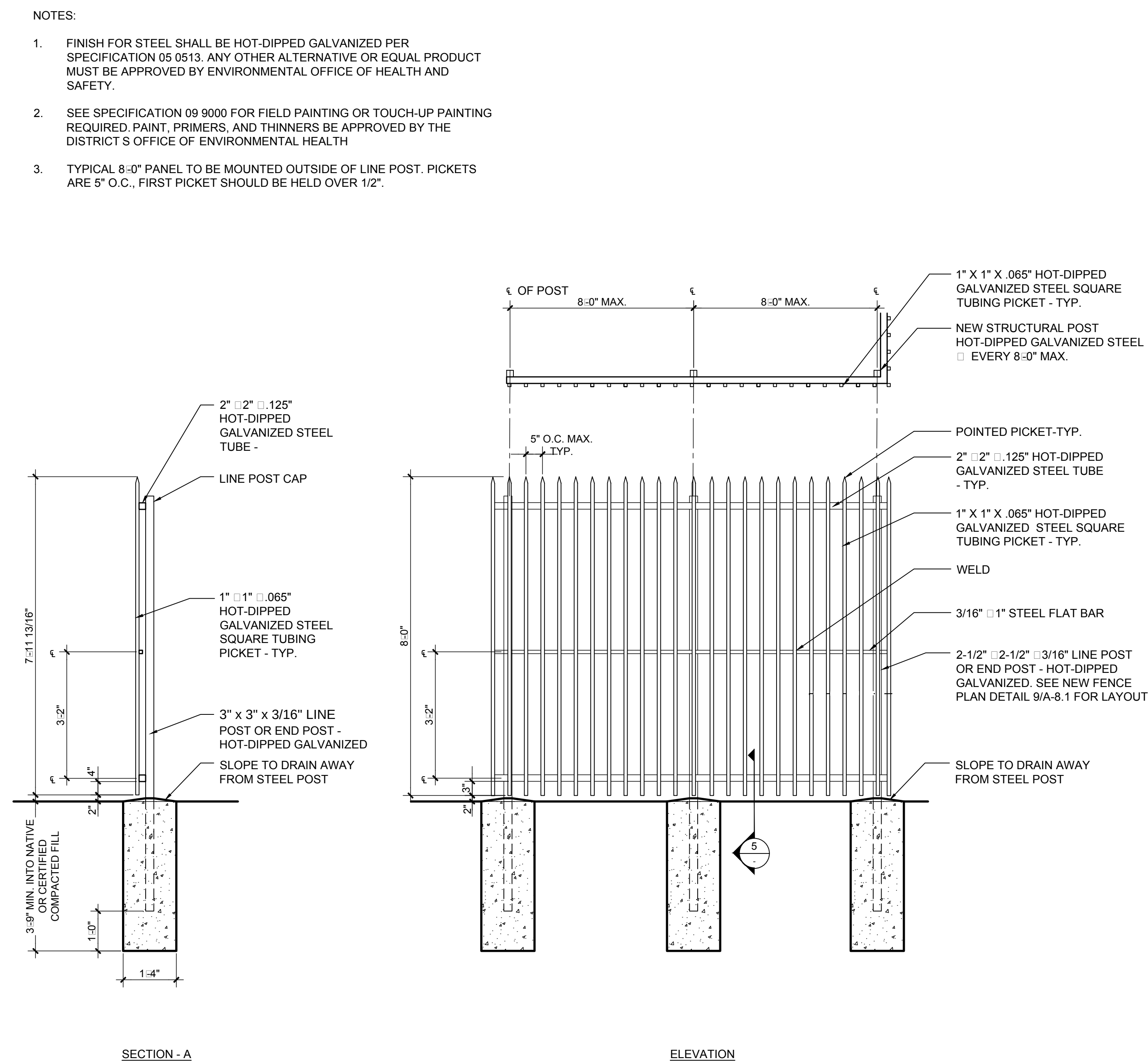


FENCE POST

SCALE: 3" = 1'-0"

10

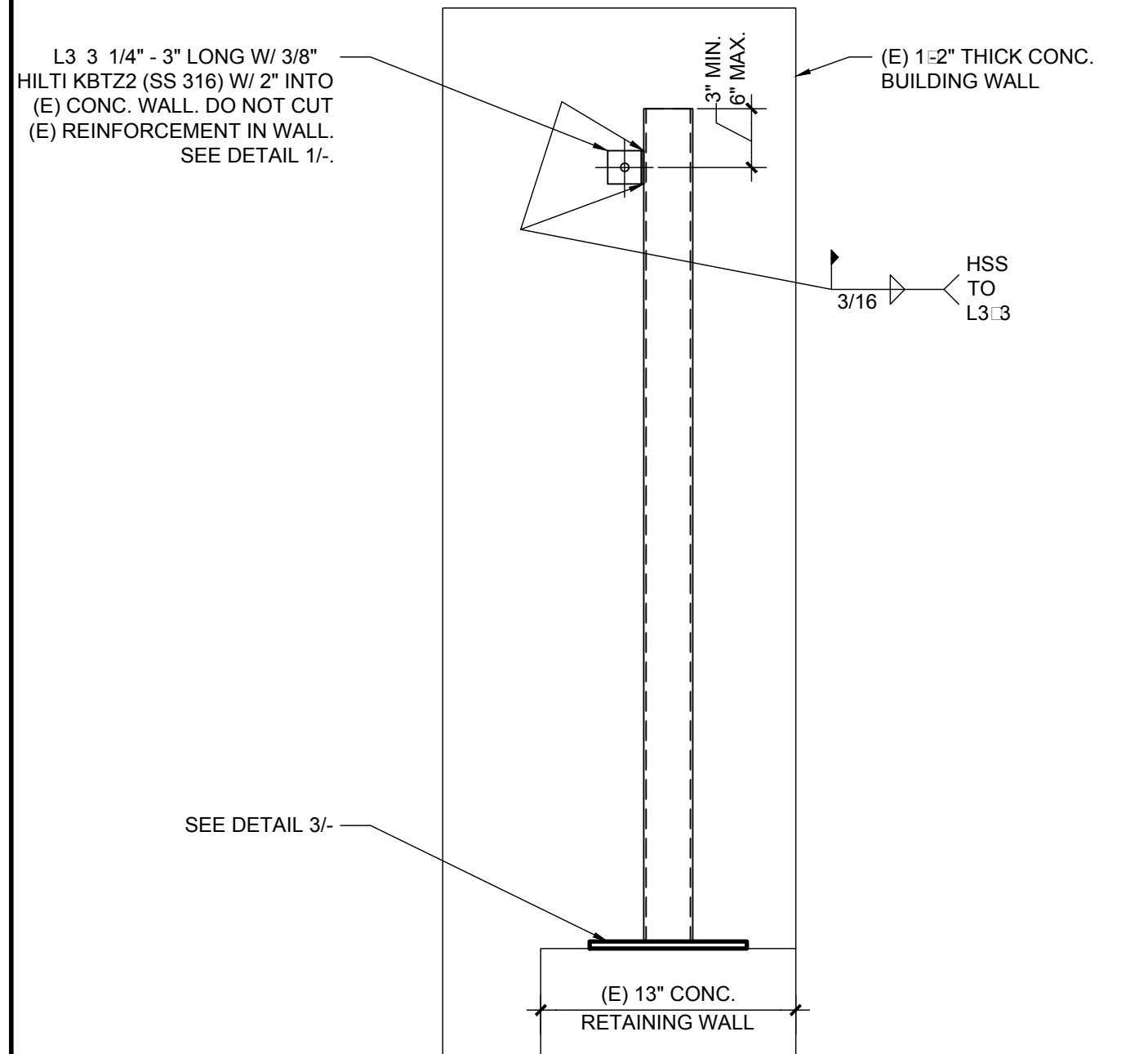
8' - 0" FENCE PANEL



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

	4
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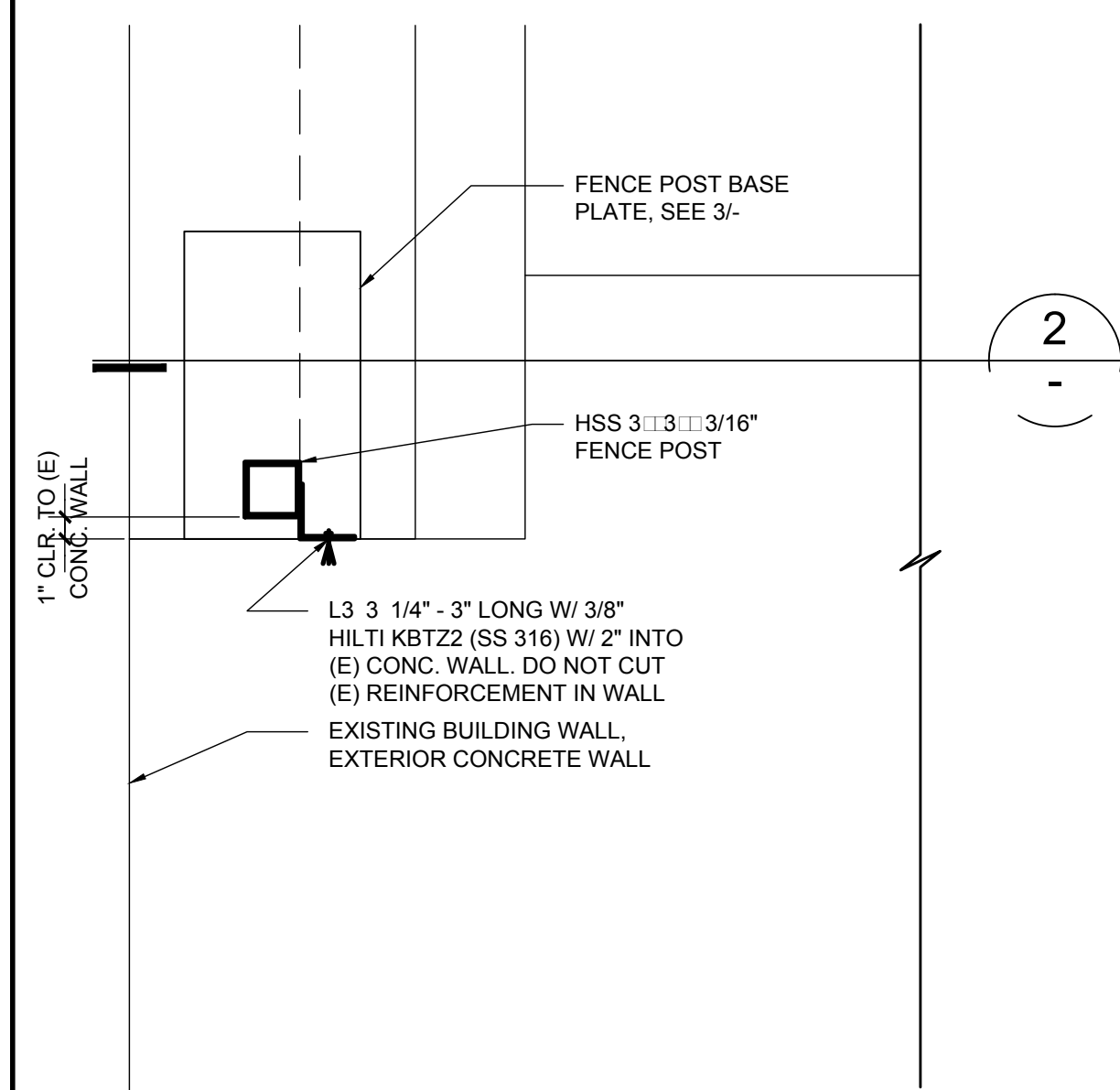
FENCE POST PLAN



FENCE POST ELEVATION

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

2

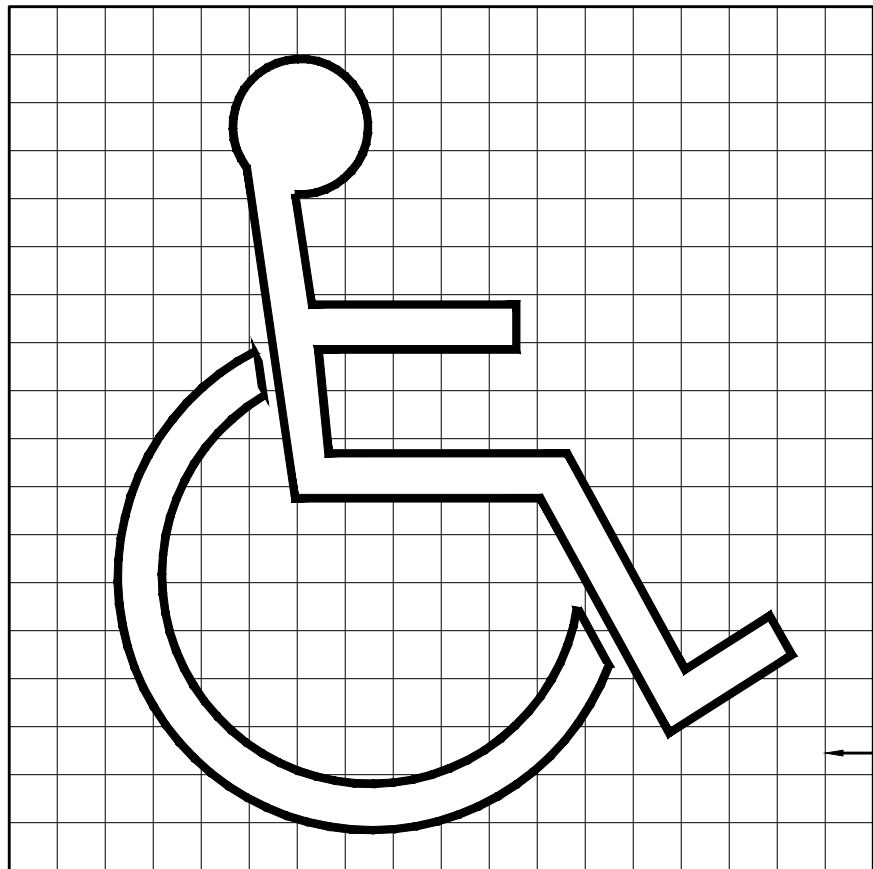

$$\frac{2}{-}$$
$$\frac{2}{-}$$

FENCE POST PLAN

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

1

NOTE:
THIS DETAIL IS TO ILLUSTRATE MINIMUM SYMBOL DIMENSIONS AND REQUIRED GRAPHICS
REFER TO PLANS FOR EXACT LOCATIONS PAVEMENT SYMBOL SHALL BE THE INTERNATIONAL
SYMBOL OF ACCESSIBILITY IN WHITE TRAFFIC PAINT ON A BLUE TRAFFIC PAINT BACKGROUND,
MATCHING COLOR 15090 IN FEDERAL STANDARD 595B. TYPICAL AT EACH ACCESSIBLE PARKING
STALL.



GRID LINES SHOWN ARE
FOR PROPORTIONS ONLY
AND ARE NOT TO APPEAR
AS PART OF THE SYMBOLS

DESCRIPTION

COMPLY WITH 11B-DIVISION 6

ADULT / MIDDLE SCHOOL / HIGH SCHOOL

ELEMENTARY SCHOOL

COMPLY WITH TABLE 11B-604.9

GRADES PK-K ()

COMPLY WITH TABLE 11B-604.9

"A"	TOILET CENTERING FROM WALL / PARTITION	17" MIN. - 18" MAX	15"	12"
"B"	TOILET SEAT HEIGHT	17" - 19"	15"	10"-12"
"D"	GRAB BAR HEIGHT	33" MIN. - 36" MAX. TO TOP	27"	20"-22"
"E"	TOILET PAPER IN FRONT OF TOILET (FROM FACE OF TOILET TO CENTER OF TOILET PAPER DISPENSER)	7" - 9"	6" MAXIMUM	6" MAXIMUM
"F"	NAPKIN DISPOSAL ADJACENT TO TOILET (TO OPENING)	19" MIN. TO OPENING	19" MIN. TO OPENING	N/A
"K"	DISPENSER TO OPERATING/DISPENSING PART	40" MAXIMUM	36" MAXIMUM	32" MAXIMUM
"T"	LAVATORY / SINK TOP HEIGHT	34" MAXIMUM	29" MAXIMUM	24" MAXIMUM
"H"	LAVATORY/SINK BOTTOM OF APRON HEIGHT	29" MAXIMUM		
"N"	URINAL LIP HEIGHT	17" MAXIMUM	15" MAXIMUM	13" MINIMUM
"P"	URINAL FLUSH HANDLE HEIGHT	44" MAXIMUM	37" MAXIMUM	32" MAXIMUM
"R"	NAPKIN DISPOSAL AT SIDE OF TOILET	20" MINIMUM	N/A	N/A
"S"	MIRROR HEIGHT (WHEN OVER A SHELF OR LAV., TO BOTTOM OF REFLECTIVE SURFACE)	40" MAXIMUM	36" MAXIMUM	32" MAXIMUM
"S-1"	MIRROR HEIGHT (ISOLATED MIRROR, TO BOTTOM OF REFLECTIVE SURFACE)	34" MAXIMUM	34" MAXIMUM	
"Y"	DRINKING FOUNTAIN BUBBLER HT.	36" MAXIMUM	32" MAXIMUM	30" MAXIMUM
"Z"	DRINKING FOUNTAIN KNEE CLEARANCE	27" MINIMUM	N/A	22" MINIMUM

NOTES:

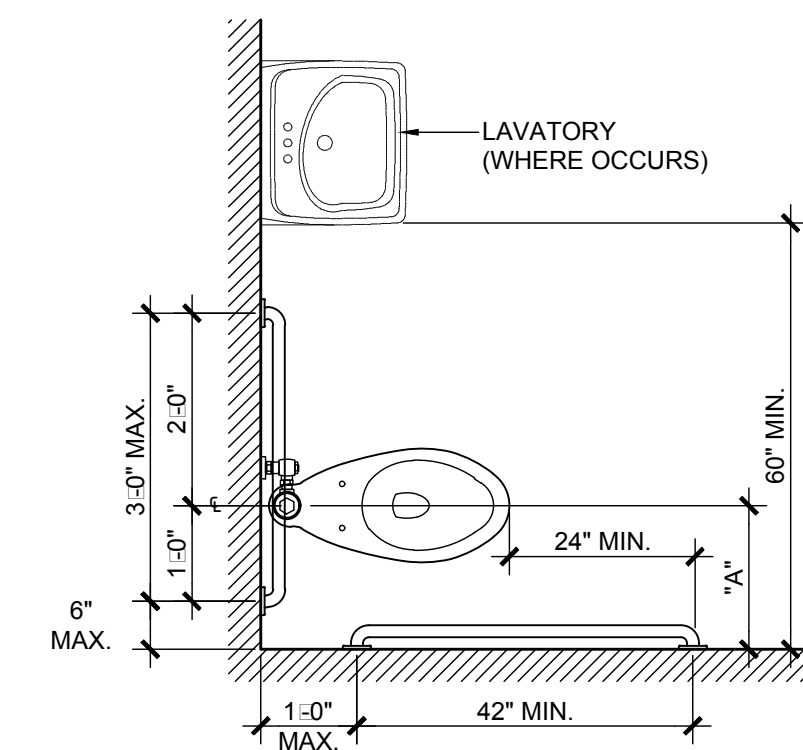
- ROUGH-IN FOR FIXTURES, EQUIPMENT AND APPLIANCES SHALL BE AS INDICATED ON
DRAWINGS AND AS SPECIFIED, INCLUDING THOSE ITEMS INDICATED AS FURNISHED BY
OTHERS, FURNISHED BY OWNER, OR FUTURE CAPACITY. WHEN CONNECTIONS TO
EQUIPMENT FROM CAPPED OR PLUGGED LINES ARE REQUIRED, CAPS OR PLUGS SHALL
BE REMOVED AT TIME EQUIPMENT IS SET AND STOPS OR VALVES INSTALLED AND
CONNECTIONS PROVIDED AS SPECIFIED.
- UNLESS OTHERWISE INDICATED, FIXTURES SHALL BE INSTALLED WITH 5/16" BRASS BOLTS
OR SCREWS OF SUFFICIENT LENGTH TO SECURE FIXTURE TO BACKING, WALL OR CLOSET
RINGS.
- FIXTURES INSTALLED AGAINST CONCRETE OR MASONRY WALLS SHALL HAVE THEIR
HANGERS FASTENED WITH THE 5/16" BOLTS, PHILIP SHIELD TYPE ANCHORS, OR 2" UNIT
ANCHORS. WOOD OR PLASTIC PLUGS ARE NOT PERMITTED.
- BACKING FOR HANGING OF PLUMBING FIXTURE AND EQUIPMENT SHALL BE INSTALLED IN
SUPPORTING WALL AT TIMES ROUGH PIPING IS INSTALLED.
- 5A. FOR WOOD STUDS USE STEEL PLATE 1/4" THICK, NOT LESS THAN 4" WIDE STEEL PLATE
SHALL BE ATTACHED TO STUD AT EACH END OF PLATE TO EACH STUD IT CROSSES.
PLATE SHALL HAVE 2 PRE-DRILLED 1/8" HOLES FOR NO.14 FLAT HEAD SCREWS 2" IN
LENGTH FROM EACH STUDS.
- 5B. FOR METAL STUDS USE STEEL PLATE 1/4" THICK, NOT LESS THAN 4" WIDE STEEL PLATE
SHALL BE ATTACHED TO STUD AT EACH END OF PLATE TO EACH STUD IT CROSSES.
PLATE SHALL BE ATTACHED TO METAL STUDS BY BOLTING WITH TWO 1/4" "U BOLTS" PER
STUD WITH BOLTS THROUGH PLATE AND AROUND STUD FLANGE OR BY WELDING WITH 1/8"
FILLET WELD FULL WIDTH OF STUD FLANGE, TOP AND BOTTOM OF PLATE.
- PIPING SHALL BE STUBBED OUT TO EXACT LOCATION OF FIXTURES AND STUBS SHALL BE
INSTALLED SYMMETRICAL WITH FIXTURES. HOT AND COLD WATER SUPPLIES FOR
CENTER SET FAUCETS ON LAVATORIES SHALL BE INSTALLED ON 8 INCH CENTERS,
UNLESS OTHERWISE SPECIFIED OR REQUIRED.
- FLUSH VALVE SHALL BE 1-1/2" CLR. FROM GRAB BAR.
- SEE SHEET A-9.1 AND A-9.2 FOR BACKING DETAILS.

INTERNATIONAL ACCESSIBILITY SYMBOL

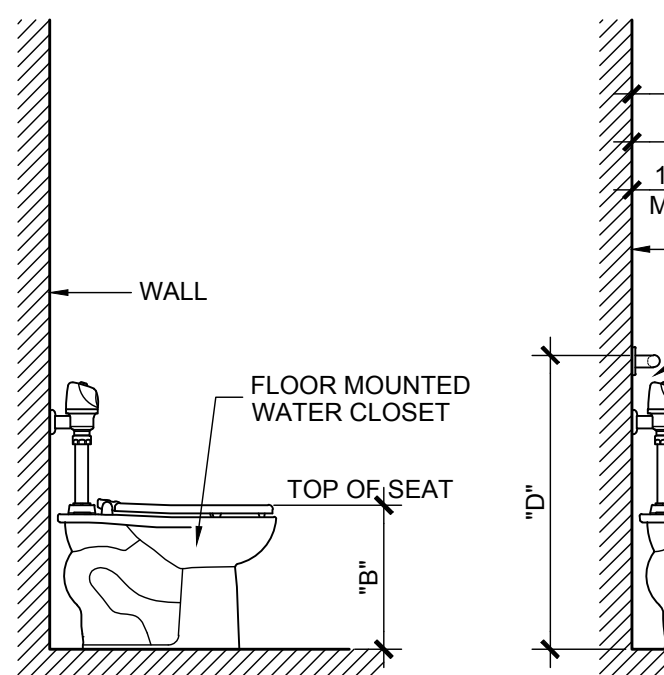
12

MOUNTING HEIGHT REQUIREMENTS

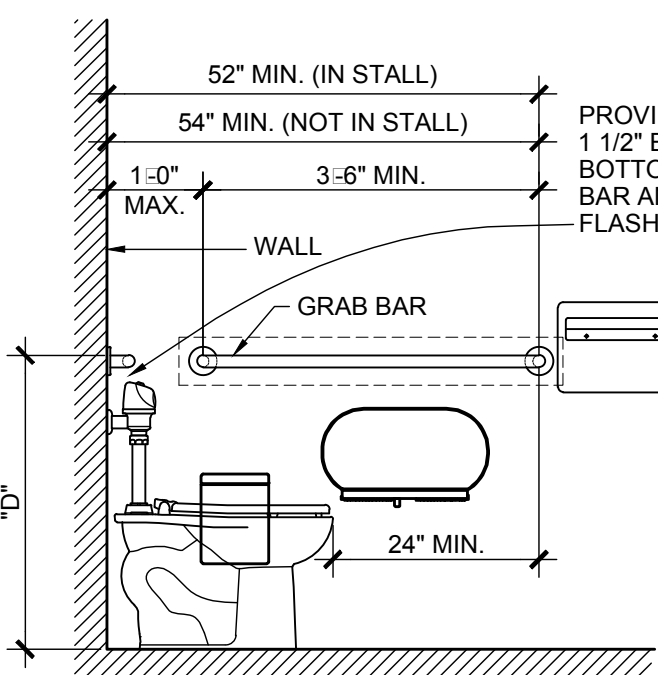
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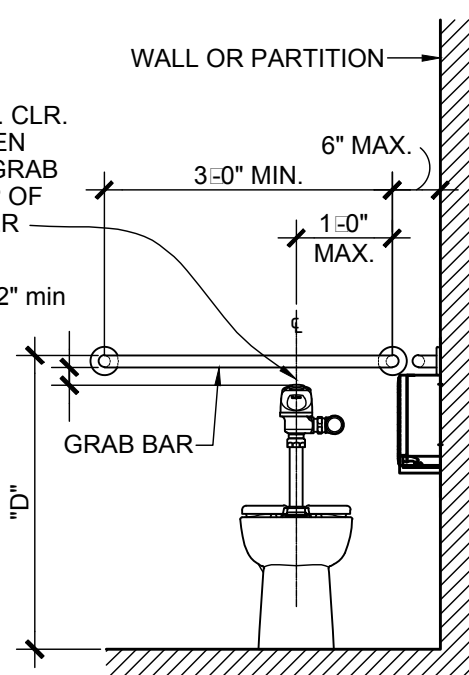
A Water Closet Plan



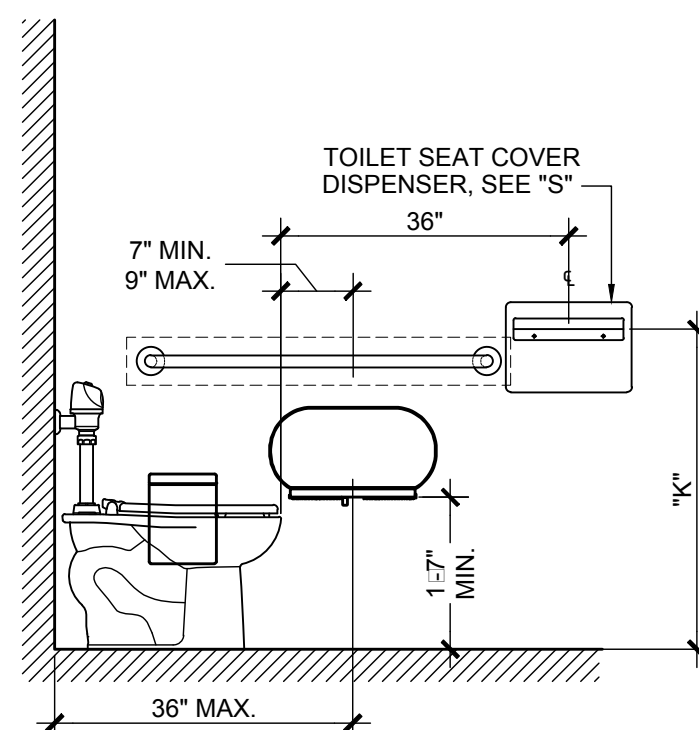
B Water Closet
(Side View)



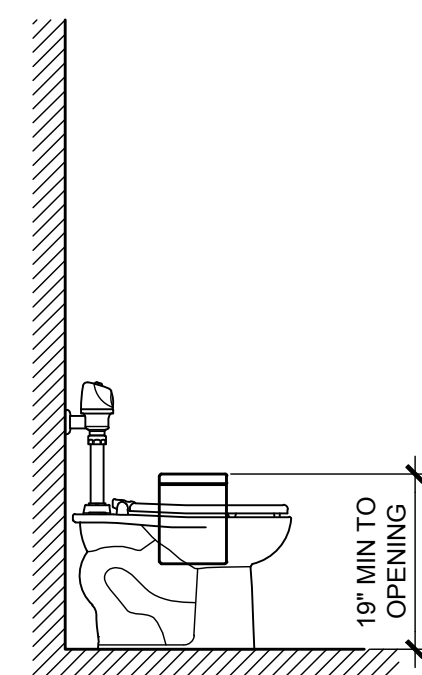
C Side Grab Bar



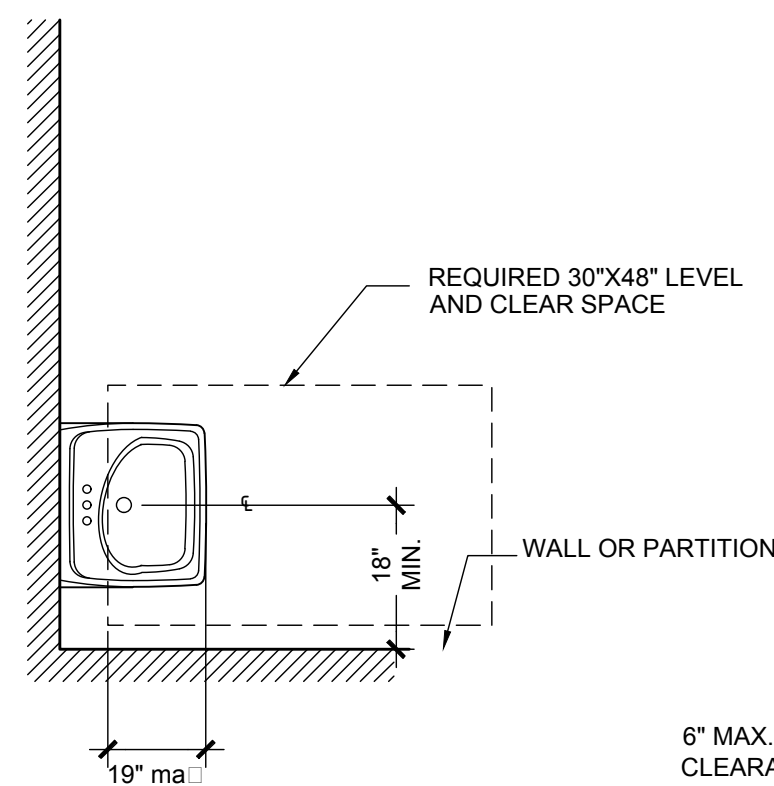
D Rear Grab Bar



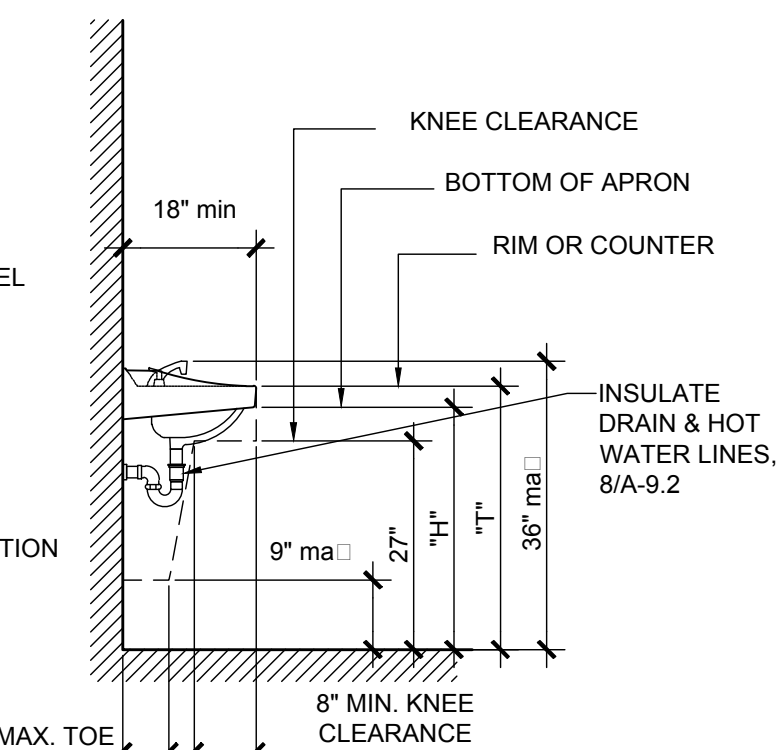
E Toilet Tissue Dispenser



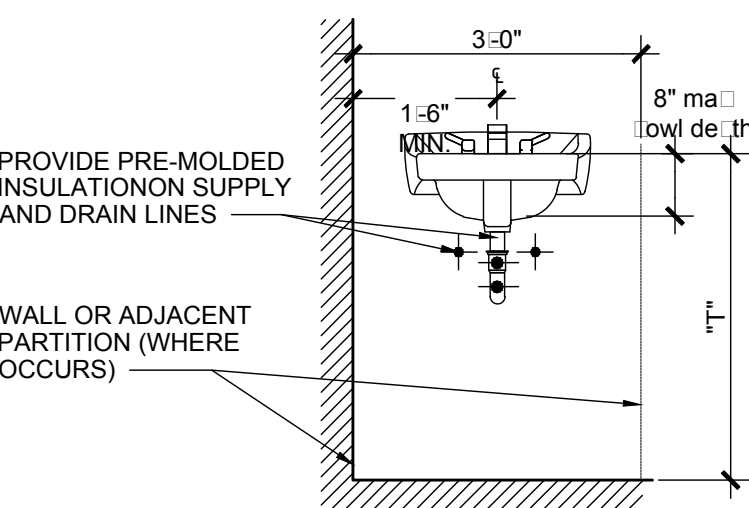
F Sanitary Napkin
Disposal



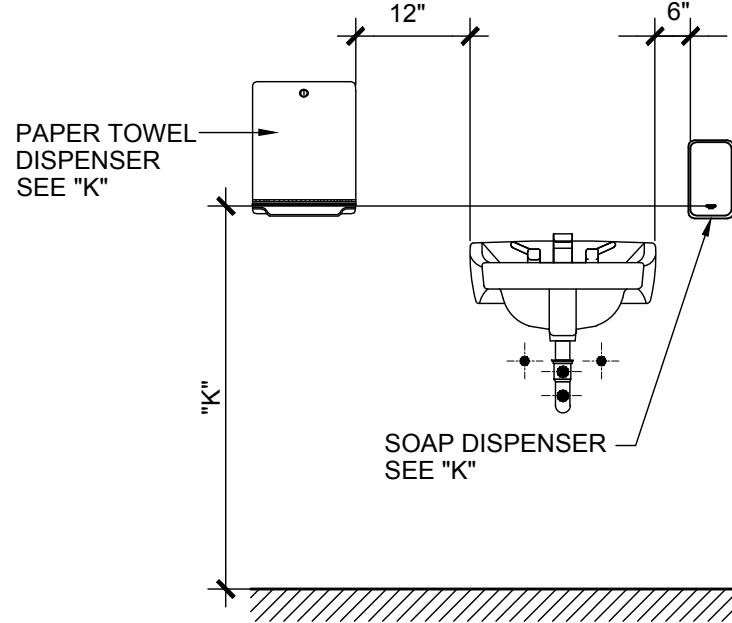
G Lavatory Plan



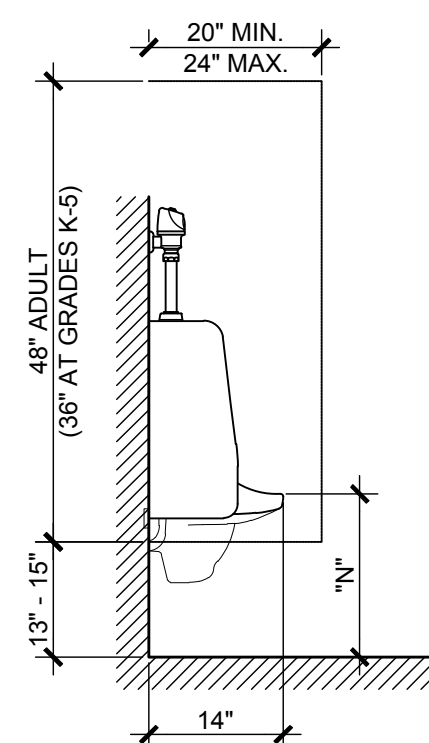
H Lavatory
(Side View)



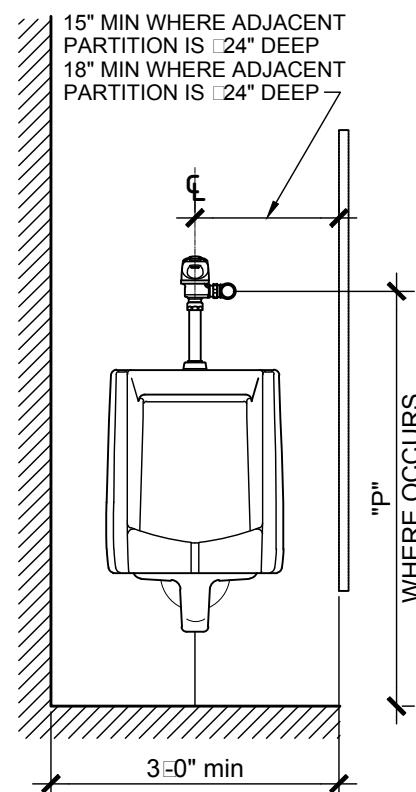
J Lavatory Front View



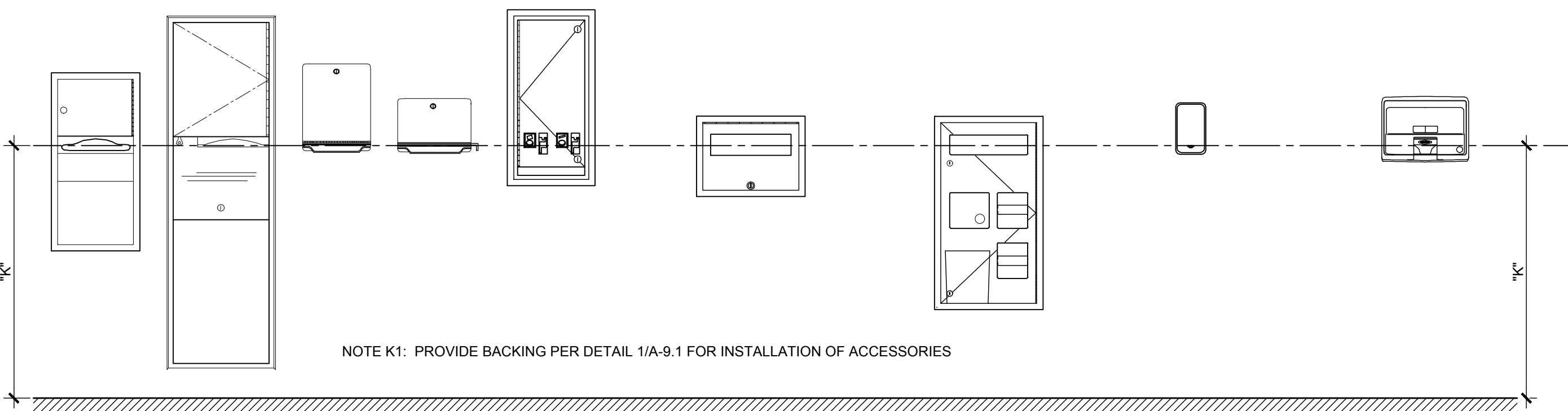
L Soap and
Towel Dispensers



N Urinal
(Side View)



P Urinal Front View



Q Paper Towel
Dispensers

R Sanitary
Napkin
Vendor

S Toilet
Seat Cover
Dispenser

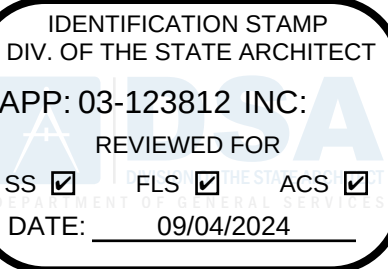
T Combination
Seat Cover
Dispenser

U Soap
Dispenser

V Electric
Hand Dryer

FIXTURES AND ACCESSORIES MOUNTING

1



LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

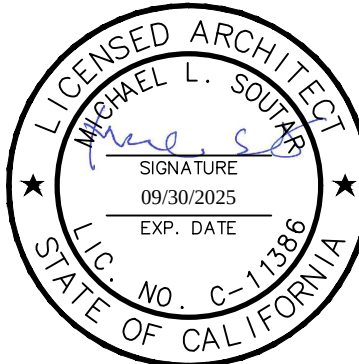
EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT

Architects McDonald, Soutar & Paz, Inc.
3575 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA 90807
TEL: (562) 427-9007 FAX: (562) 427-3007
ARCHITECTSMSP.COM

CONSULTANT

STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

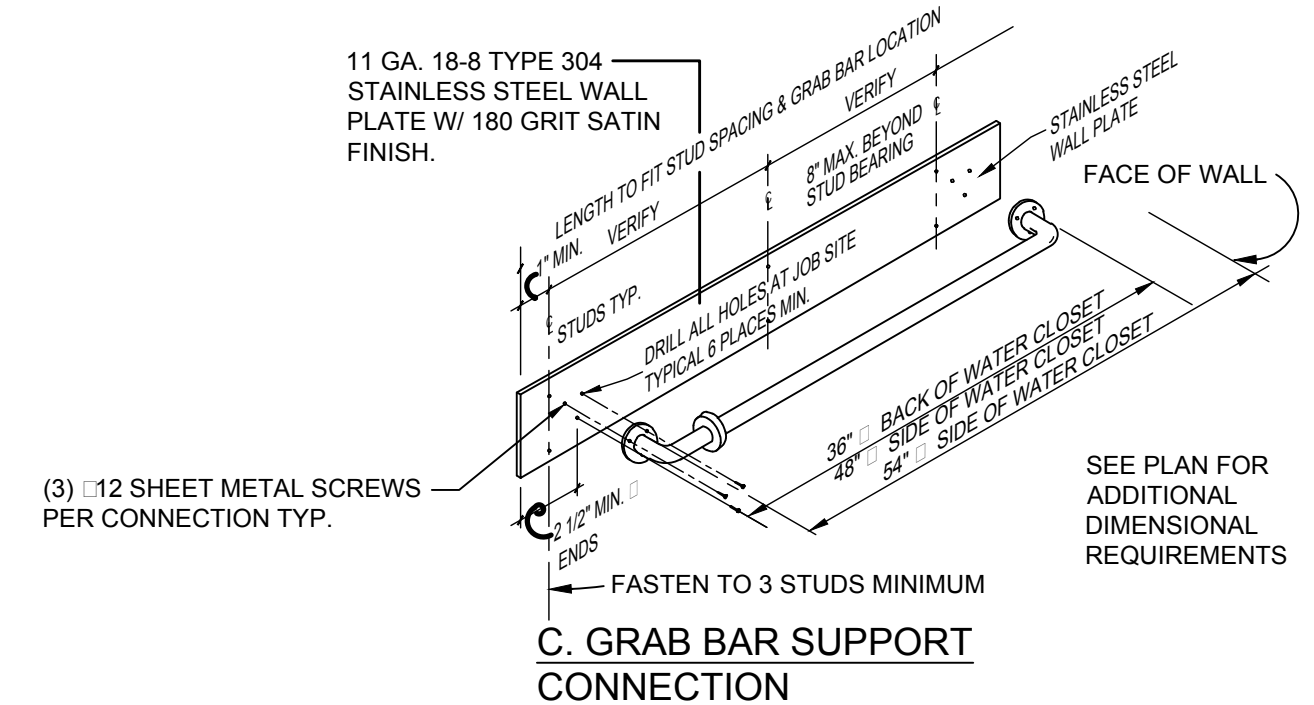
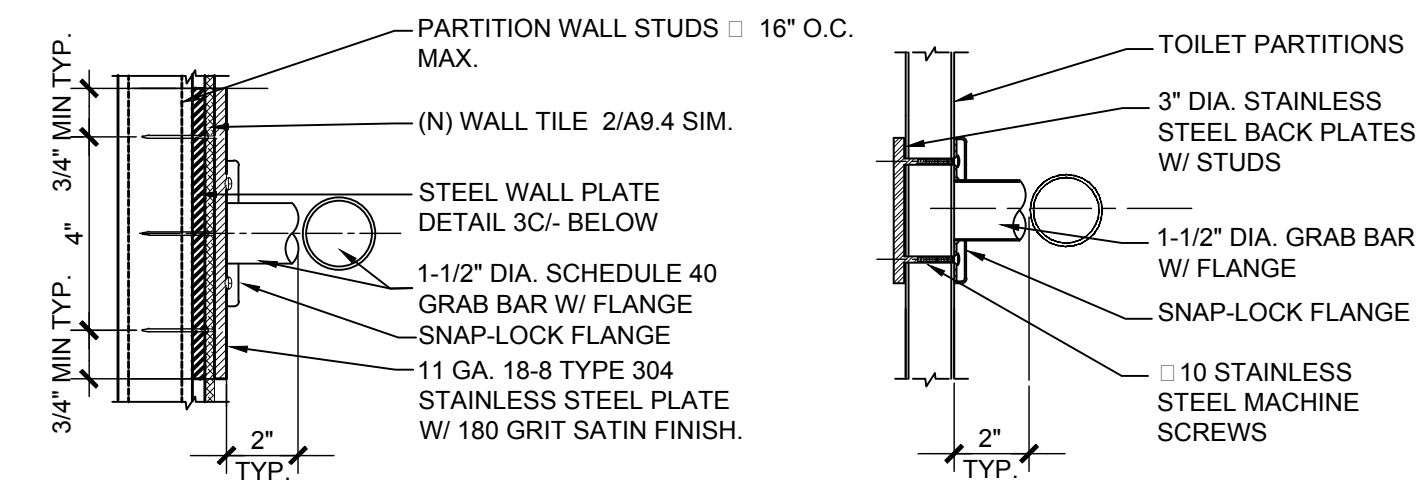
RESTROOM
DETAILS - FIXTURE
& ACCESSORIES
MOUNTING

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: MSP CHECKED: MSP
SHEET NUMBER

A-9.0

DATE: 4.26.24 SHEET: 34 OF: 63

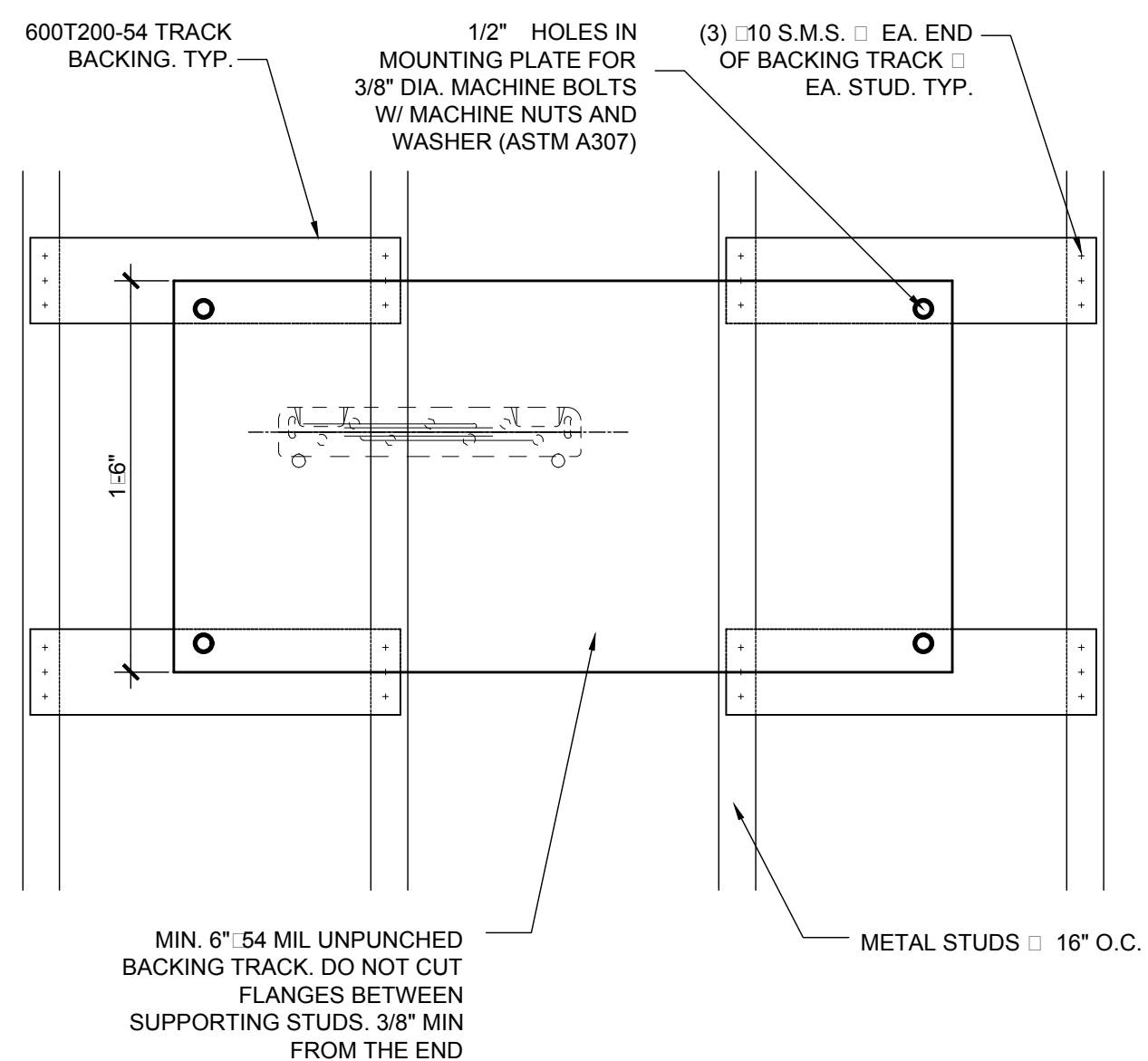
PRINTED DATE: A 11/28/2024



GRAB BAR ATTACHMENT

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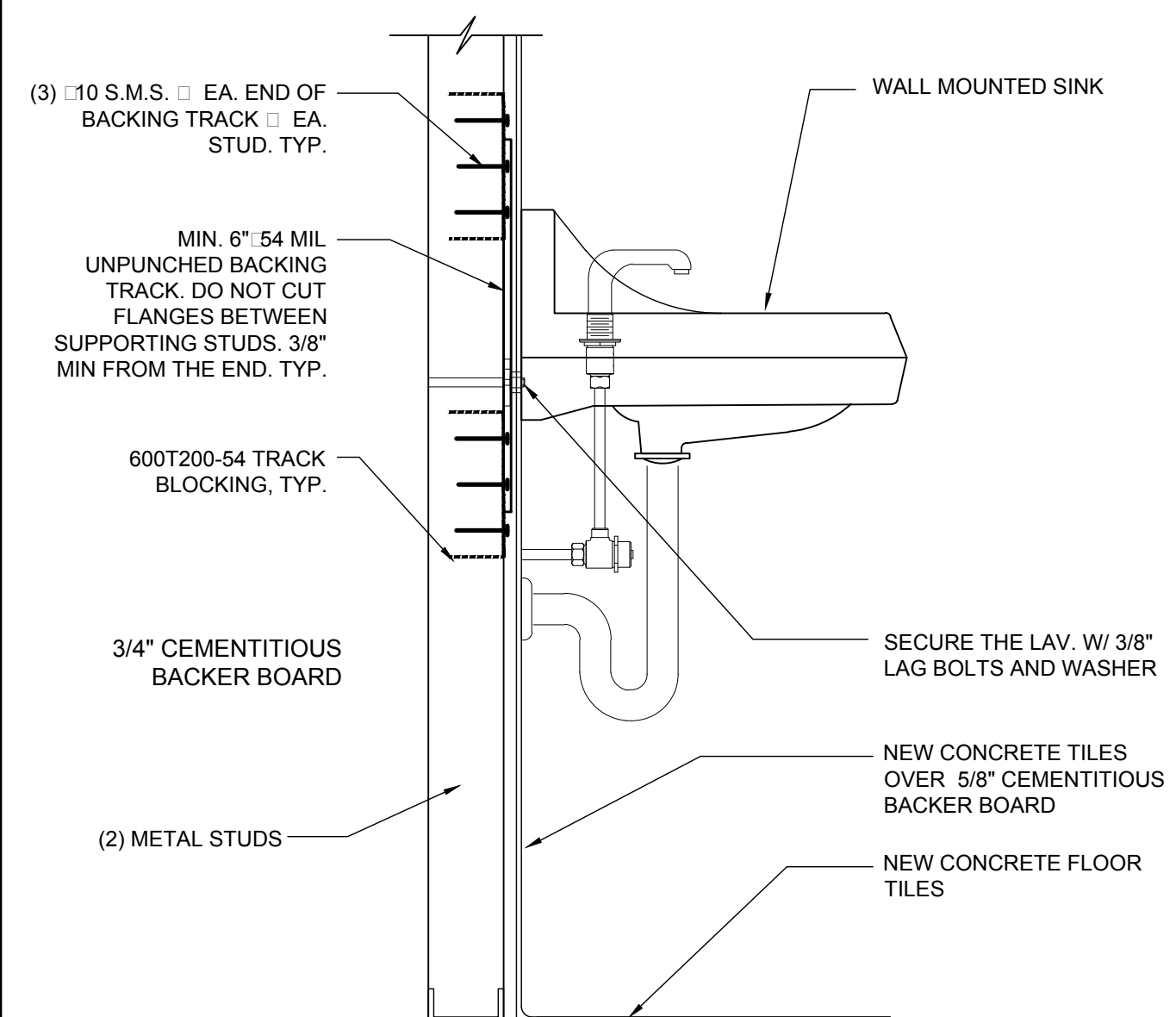
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LAVATORY WALL CONNECTION

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

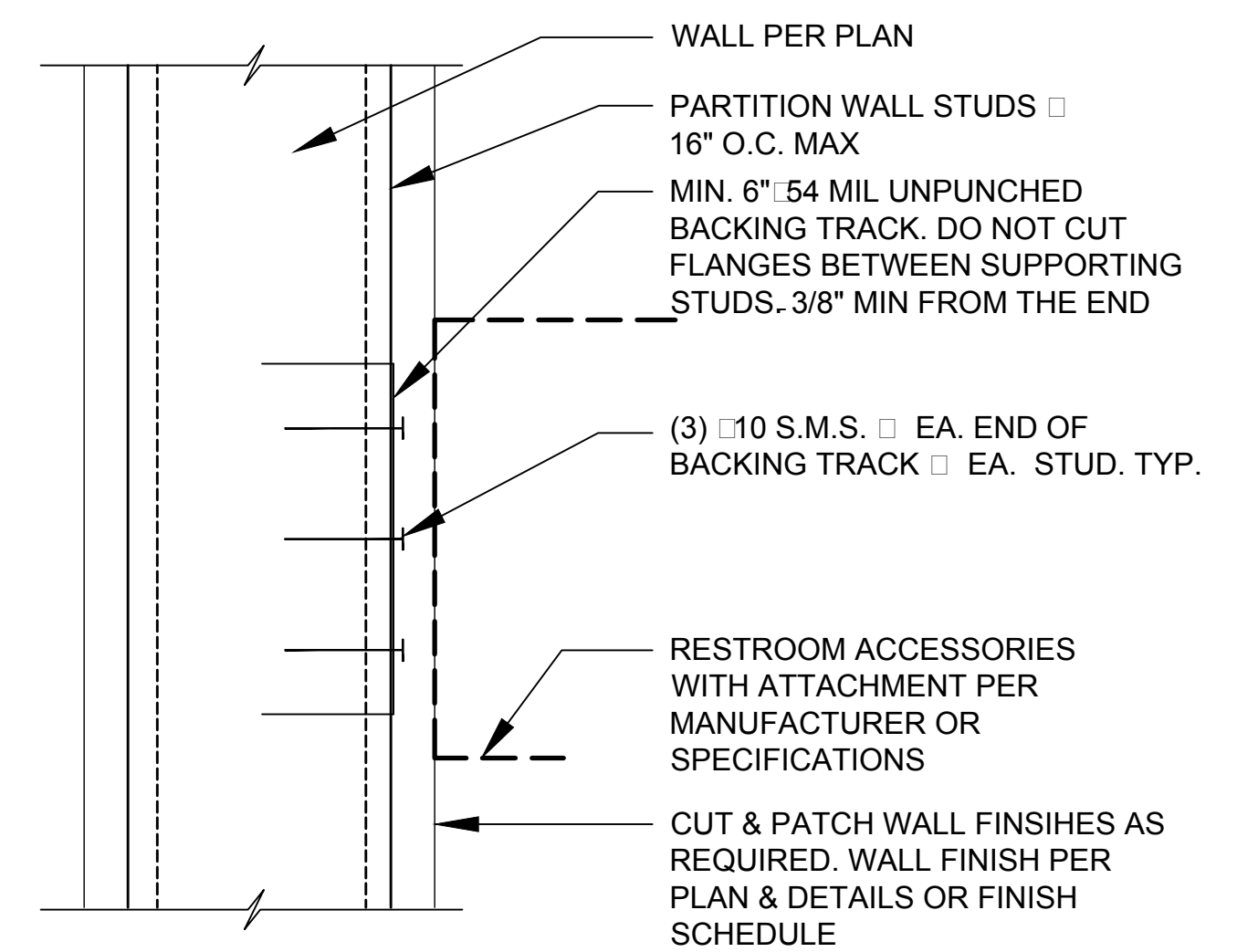
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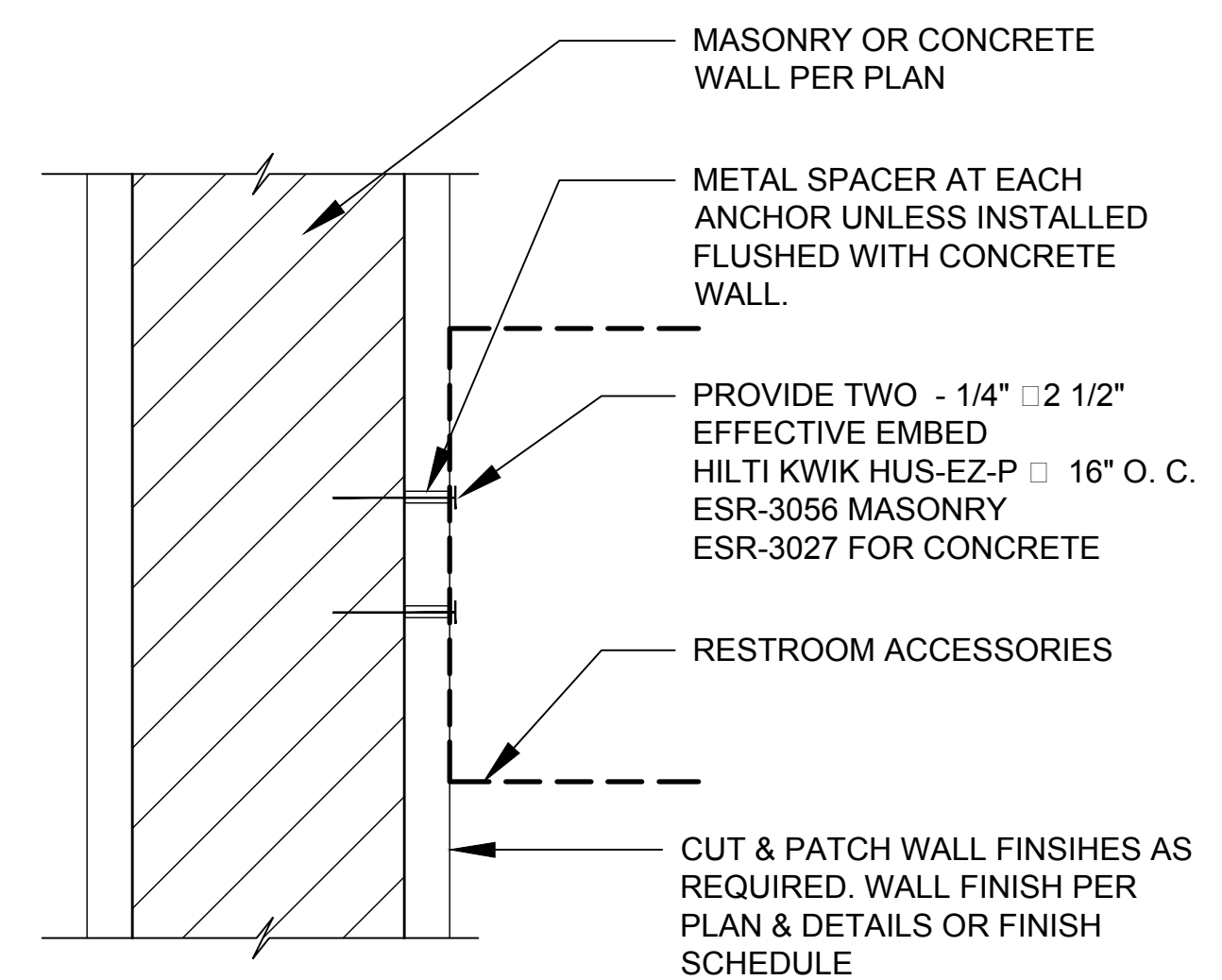
LAVATORY WALL CONNECTION

SCALE: 1-1/2" = 1'-0"
FILE:

7



B - FRAMED WALL

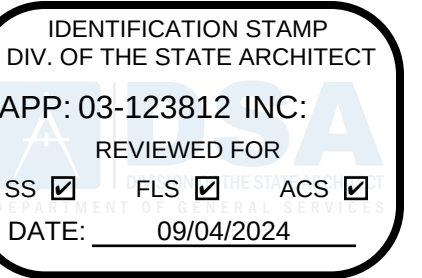


A - CONCRETE/CMU WALL

BACKING - RR ACCESSORIES

SCALE: 3" = 1'-0"

1



**LOS ANGELES UNIFIED
SCHOOL DISTRICT**

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FACILITIES SERVICES DIVISION
 333 S. BEAUDRY AVENUE, 22ND FLOOR
 LOS ANGELES, CALIFORNIA 90017
 TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS - ADA UPGRADES AND BRIDGE REMOVAL

717 North Figueroa Street
Los Angeles, California 90012

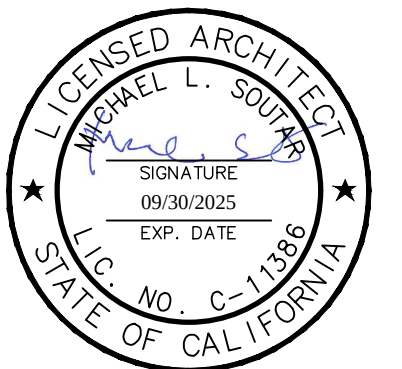
COLIN NUMBER: 10372448

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CONSULTANT

STAMPS/SEALS



100% SUBMITTAL

RESTROOM DETAILS

MSP PROJECT NO.: 22-1322

PROJECT ARCH:	MSP
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DRAWN: MSP

CHECKED:	MSP
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SHEET NUMBER

A-9.1

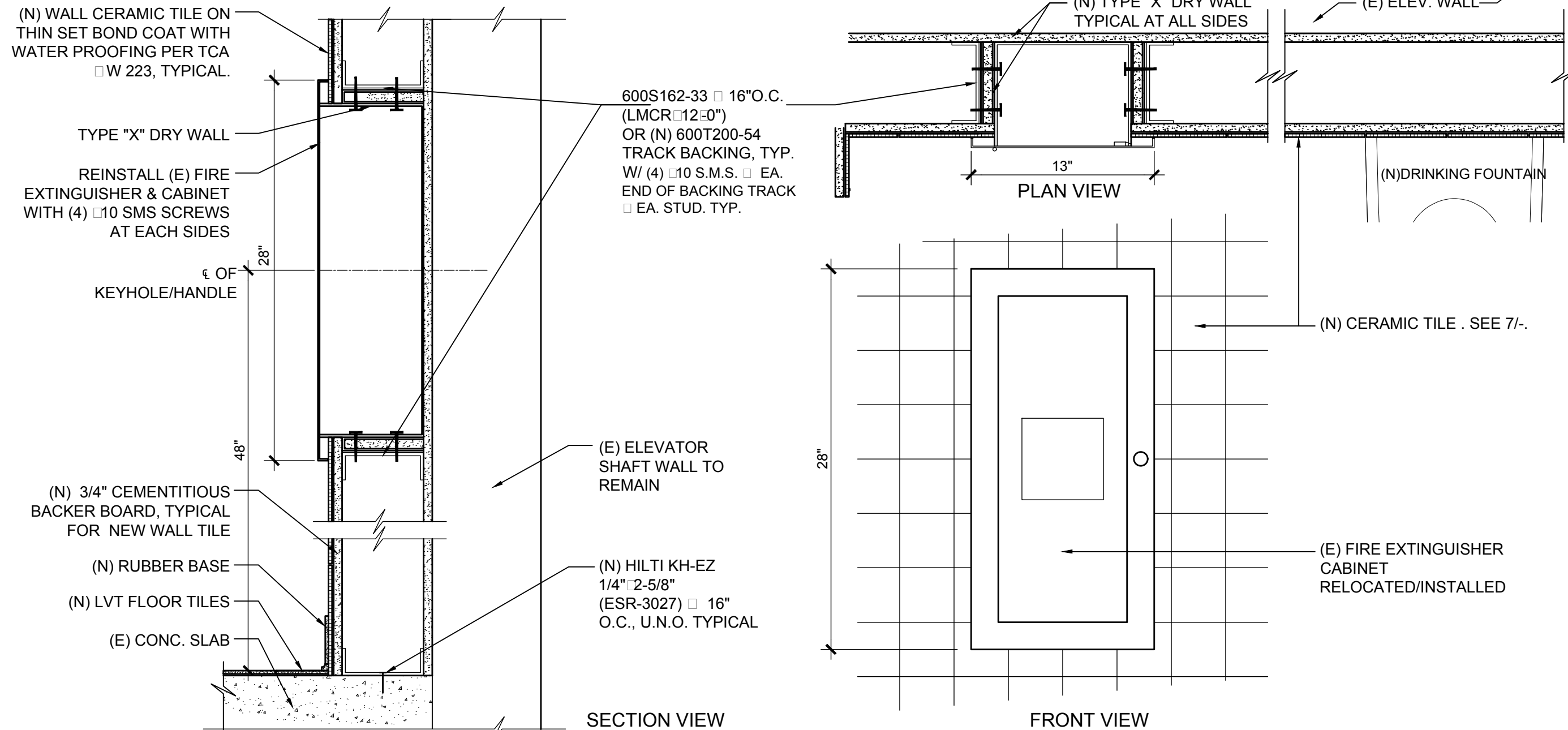
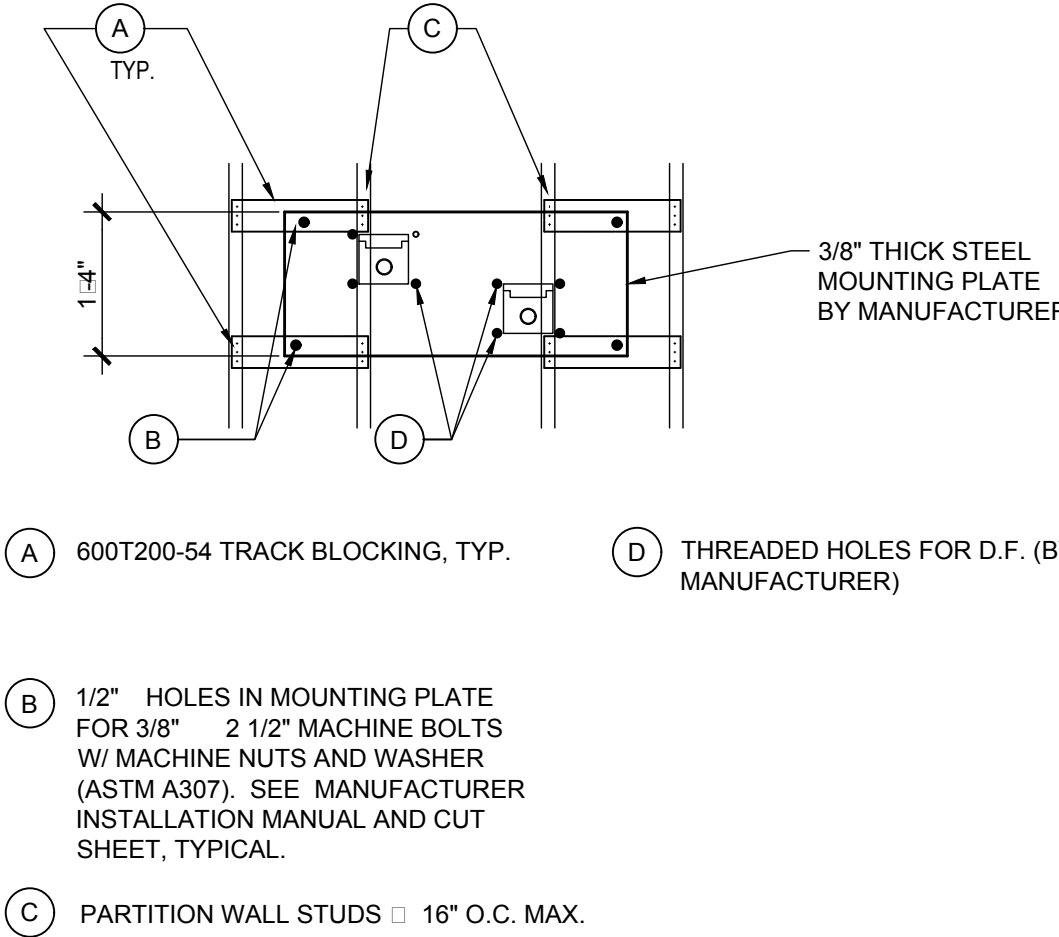
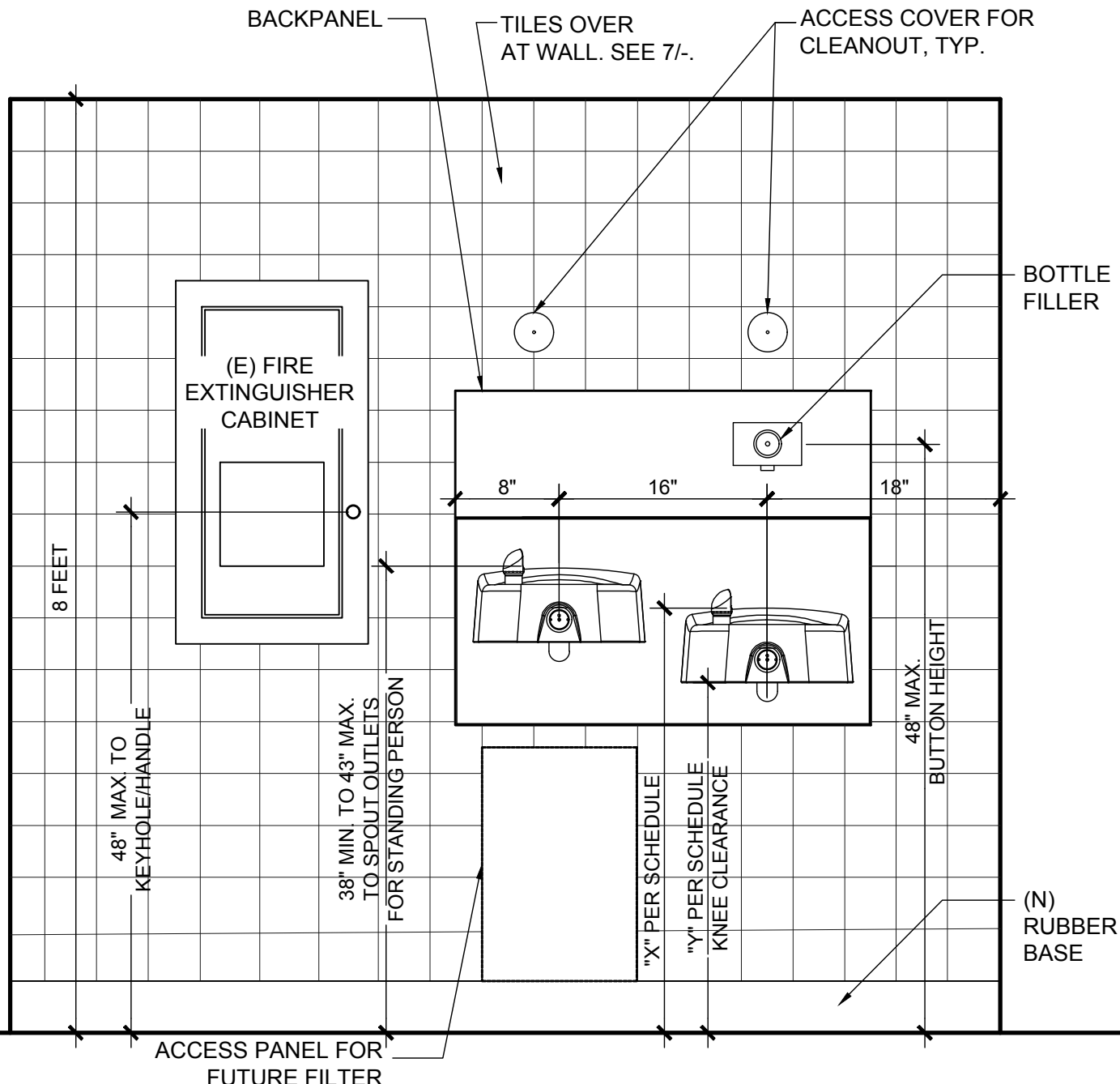
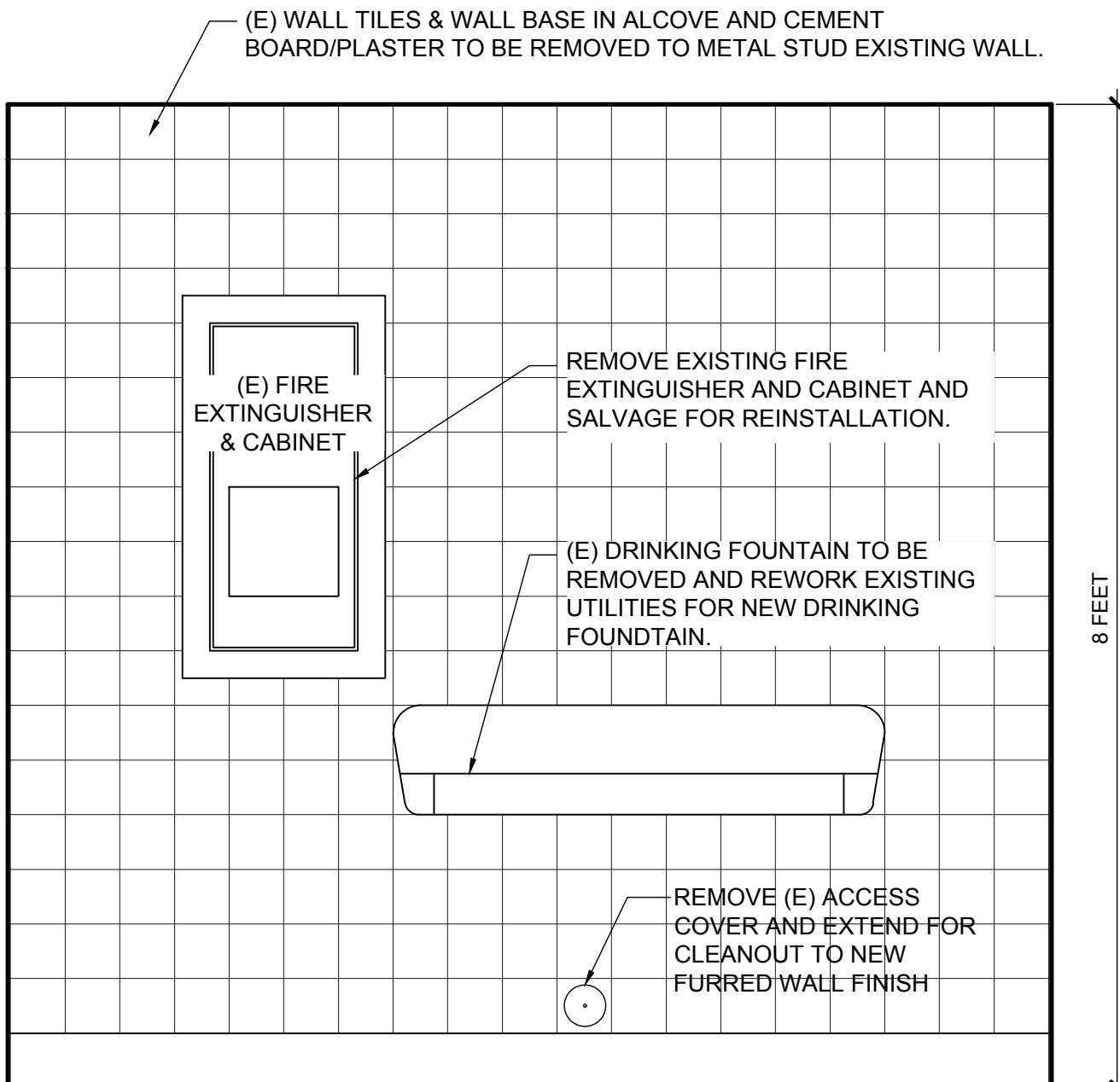
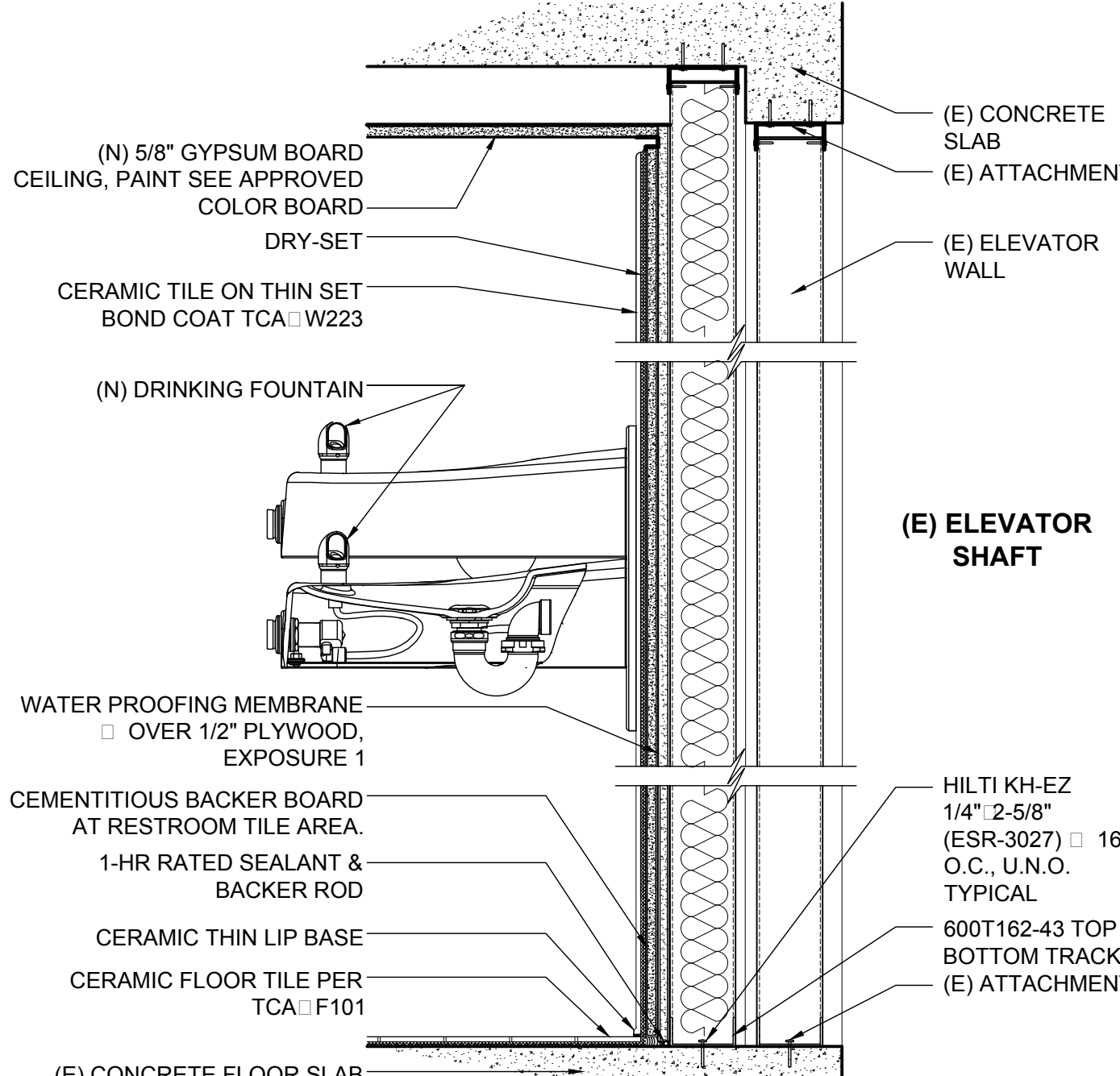
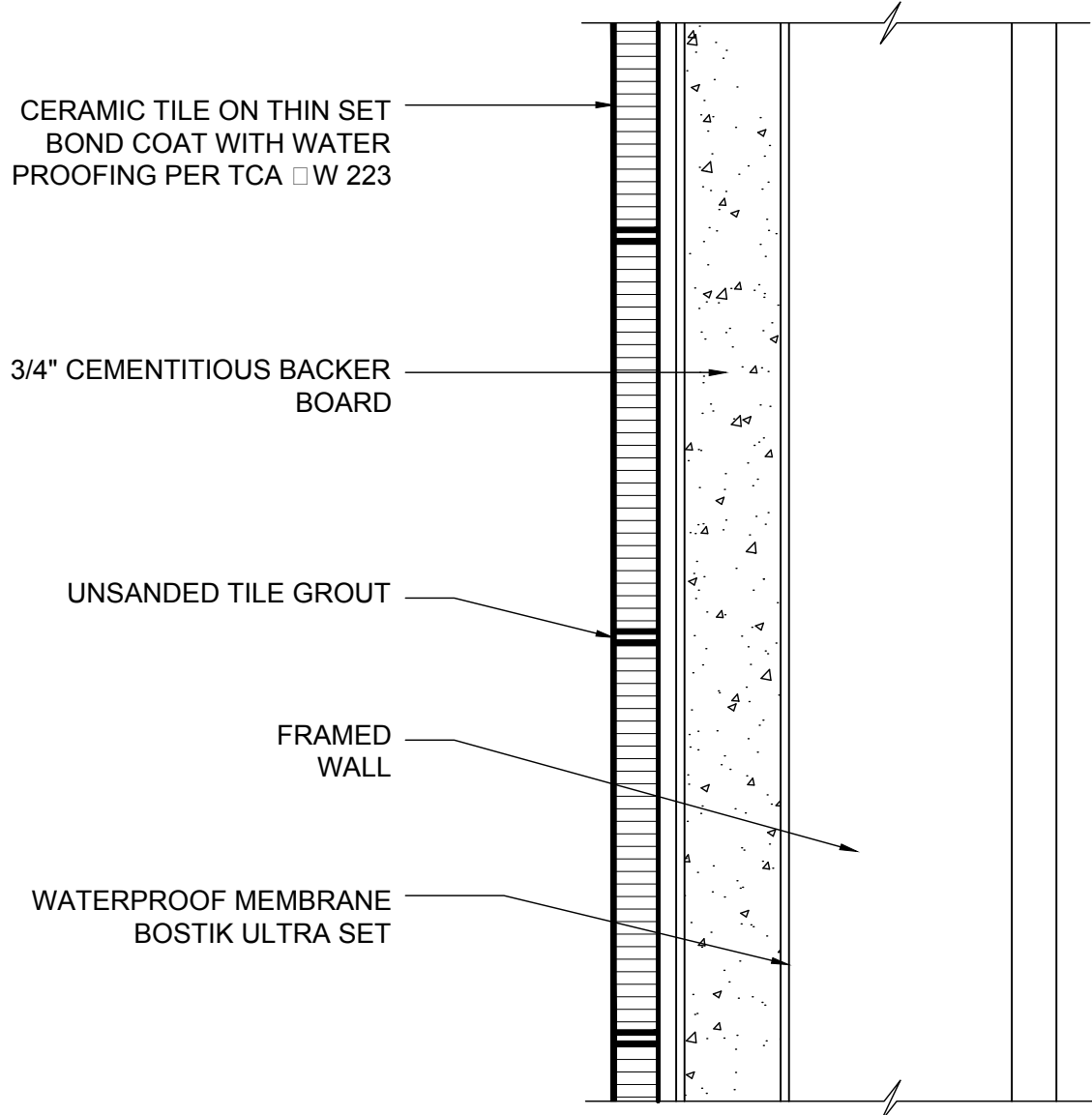
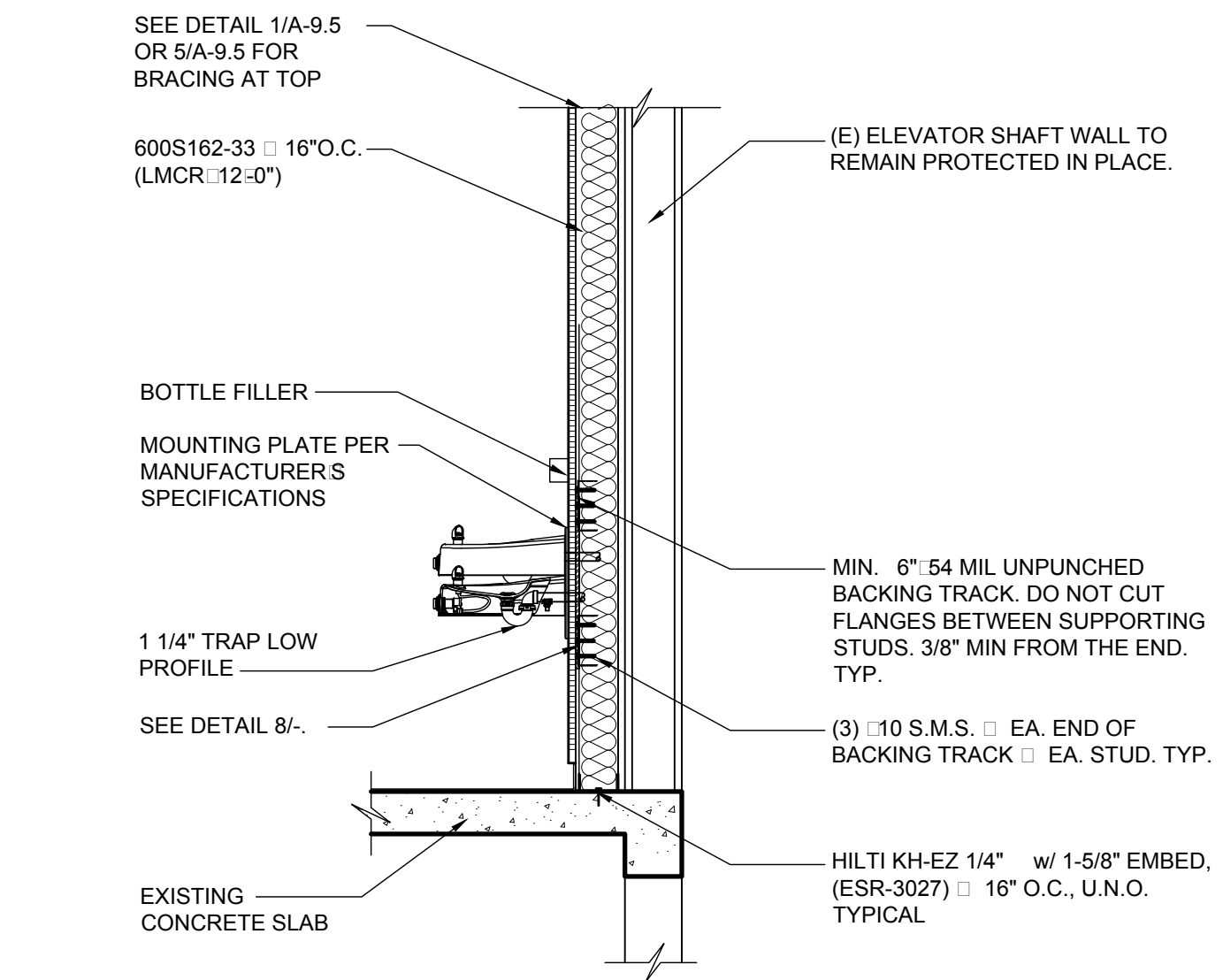
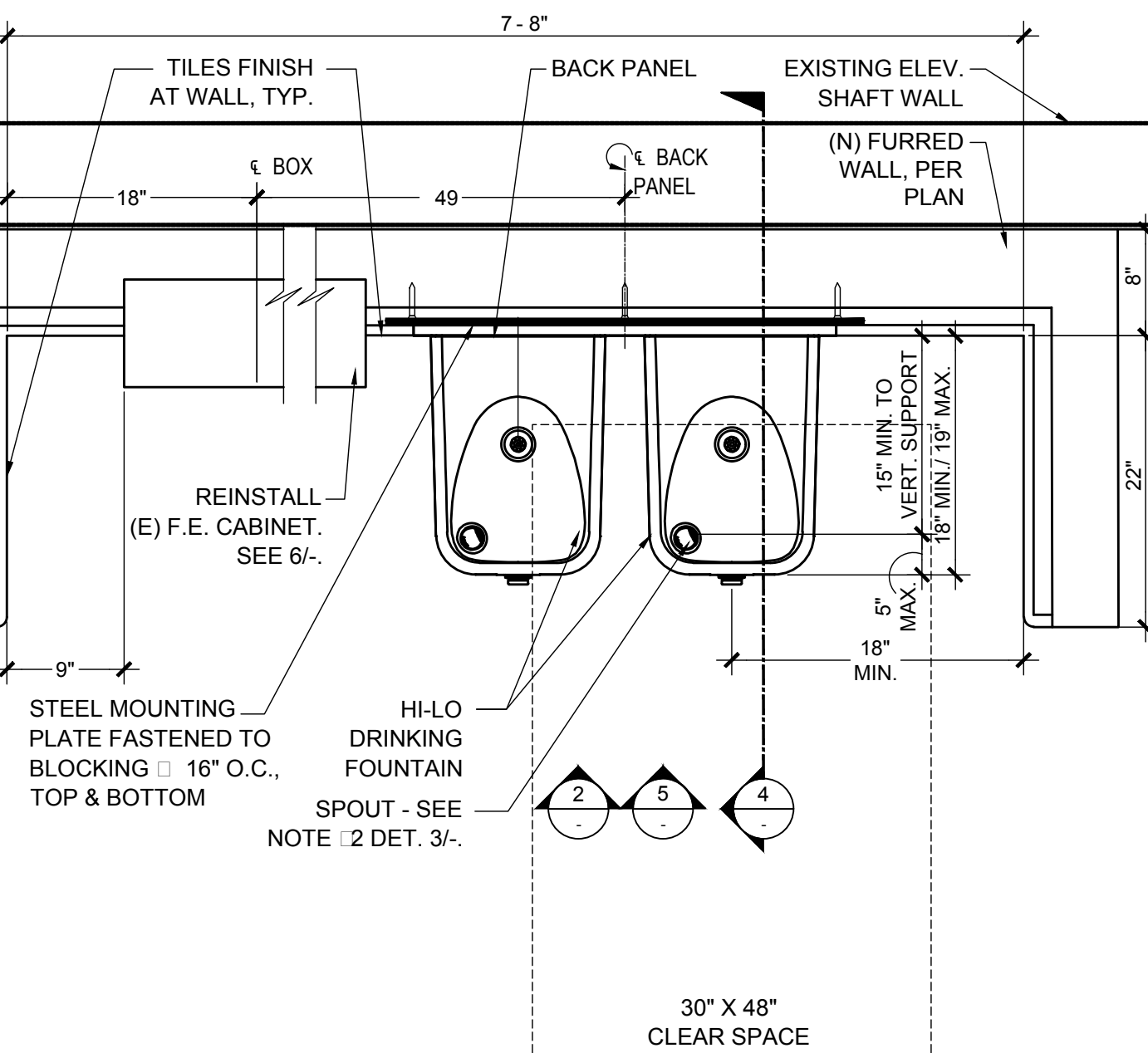
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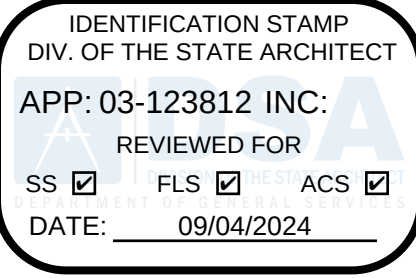
4.26.24

SHEET: 35 OF: 63

PRINTED DATE: April 29, 2024

FILE INFO: G:\ACAD\2022\22-1322 LAUSD E Plans CAS Bridge & ADA Upgrade\Working Drawings\Sheets\A-9.1 RESTROOM DETAILS.dwg

		 SECTION VIEW FRONT VIEW		<table><tr><th colspan="2">DESCRIPTIONS</th><th>ADULT</th></tr><tr><td>"X"</td><td>DRINKING FOUNTAIN BUBBLER HEIGHT TO ¢ OF NOOZLE</td><td>36" MAXIMUM</td></tr><tr><td>"Y"</td><td>DRINKING FOUNTAIN KNEE CLEARANCE</td><td>27" MINIMUM</td></tr></table> NOTES: REFER TO 10/CIR A-8.4 - MOUNTING HEIGHT REQUIREMENTS FOR SANITARY FIXTURES FOR APPLICABLE NOTES DRINKING FOUNTAIN NOTES: - THE SPOUT SHALL BE LOCATED 15" MINIMUM FROM THE VERTICAL SUPPORT AND 5" MAX. FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS. - THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MINIMUM AND SHALL BE LOCATED 5" MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT, WHERE SPOUTS ARE LOCATED LESS THAN 3" FROM THE FRONT OF THE UNIT, THE ANGLE OF WATER STREAM SHALL BE 30 MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN 3" AND 5" MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 MAXIMUM. - OPERABLE PARTS SHALL COMPLY WITH SECTION 11B-309. THE FLOW OF WATER SHALL BE ACTIVATED BY A MANUALLY OPERATED SYSTEM THAT IS FRONT MOUNTED OR SIDE MOUNTED AND LOCATED WITHIN 6" OF THE FRONT EDGE OF THE FOUNTAIN OR AN AUTOMATIC ELECTRONICALLY CONTROLLED DEVICE.		DESCRIPTIONS		ADULT	"X"	DRINKING FOUNTAIN BUBBLER HEIGHT TO ¢ OF NOOZLE	36" MAXIMUM	"Y"	DRINKING FOUNTAIN KNEE CLEARANCE	27" MINIMUM
DESCRIPTIONS		ADULT												
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"Y"	DRINKING FOUNTAIN KNEE CLEARANCE	27" MINIMUM												
		F. E. CABINET		SCALE: 1-1/2" = 1'-0" FILE:	6	D. F. HEIGHTS & NOTES	3							
		 NOTE: REFER TO MANUFACTURER'S INSTALLATION INSTRUCTION FOR ADDITIONAL INFORMATION.												
		D.F. SUPPORT		SCALE: 1/2" = 1'-0" FILE:	8	(N) DRINKING FOUNTAIN ELEV.	SCALE: 1" = 1'-0" FILE:	5	(D) DRINKING FOUNTAIN ELEV.	SCALE: 1" = 1'-0" FILE:	2			
														
FURRED WALL @ D. F.		D. F. TILE WALL		SECTION AT STUD WALL		DRINKING FOUNTAIN PLAN								



**LOS ANGELES UNIFIED
SCHOOL DISTRICT**

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL**

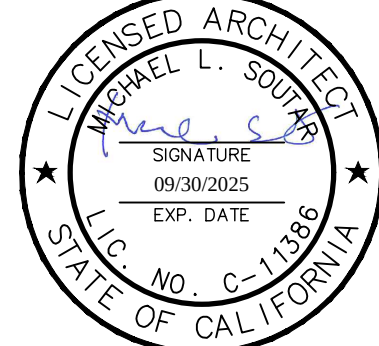
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STAMPS/SEALS



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**DRINKING
FOUNTAIN
DETAILS**

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: MSP CHECKED: MSP
SHEET NUMBER

A-9.2

DATE: 4.26.24 SHEET: 36 OF: 63

PRINTED DATE: A 11 30, 2024

TEXT AND SYMBOLS TO BE COLOR WHITE ON BLUE BACKGROUND

1 2 3

8" MIN.

6" MIN.

2 1/2"

12" MIN.

5'-0" (48" MIN.) FROM FINISH SLAB FLOOR

SIGN TYPE "POT-R"

SIGN TYPE "POT-F"

SIGN TYPE "POT-L"

1 CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND (MINIMUM 70%). EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. (CBC 11B-703.5)

2 CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE SCRIPT, AND HIGHLY DECORATIVE. OR OF OTHER UNUSUAL FORM. CHARACTER HEIGHT SHALL COMPLY WITH TABLE (11B-703.5.3, 11B-703.5.5). VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I"

3 CHARACTERS AND NUMBERS ON SIGNS SHALL BE SIZED ACCORDING TO THE VIEW DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE I. LOWERCASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH CBC SECTION 11B-703.4.1, THE MINIMUM CHARACTER HEIGHT SHALL BE 3 INCHES (76MM). (CBC 11B-703.5.4) REFER TO ACCOMPANYING DETAILS FOR CHARACTER HEIGHT. COORDINATE SITE LOCATION.

12" MAX. ABOVE FIN. FLR OR GROUND SURFACE (HIGHEST LINE OF RAISED CHARACTERS)

48" MIN. ABOVE FIN. FLR OR GROUND SURFACE (LOWEST BRAILLE CELLS)

9" MIN. 12" MAX.

1" SIGN TYPE "RM-ID"

OFFICE

1 2 3 4 5 22 7 23 1 9

8" TYPICAL

ALS SIGN-REF 13/- (AS REQUIRED)

8 ROOM IDENTIFICATION SIGN

9 AT BUILDING ENTRANCE DOOR

LATCH SIDE OF DOOR

NOTE: BUILDING I.D., ROOM I.D. TO BE COORDINATED WITH THE DISTRICT OFFICE.

SCALE: 3" = 1'-0"

FILE:

12

ROOM I.D. SIGN

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

FILE:

9

EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD "EXIT", (CBC1003.2.8.6.1.1).

1 2 3 4 5 22 7 23 16

1" 3/8"

8"

THESE NOTES AND DIMENSIONS APPLY TO ALL TACTILE EXIT SIGNS

18" 10"

EXIT SIGN 16 17 18 19 20

LATCH SIDE OF DOOR

TO EXIT #12#18#19#

EXIT ROUTE #12#18#19#

18 19

60" MAX. ABOVE FIN. FLR OR GROUND SURFACE (HIGHEST LINE OF RAISED CHARACTERS)

48" MIN. ABOVE FIN. FLR OR GROUND SURFACE (LOWEST BRAILLE CELLS)

9" MIN. 12" MAX.

TACTILE WALL ROOM SIGN RAISED PICTOGRAM, TEXT & BRAILLE. SEE RESTROOM WALL SIGNAGE (RWS) DETAILS A, B, C, D, AND E ABOVE

CONTRAST 70% LIGHT DARK GEOMETRIC SIGN/DOOR

SEE PICTOGRAM RESTROOM DOOR SIGN, NON TACTILE F, G, AND H ABOVE.

ELEVATION AT RESTROOM DOOR

NOTES:

1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH (0.794 mm) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE (SEE NOTE 5 BELOW).

2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.9 mm) AND A MAXIMUM OF 2 INCHES (51 mm) HIGH.

3. FINISH & CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND AND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. SEE CBC 11B-703.5.1

4. PROPORTIONS: RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER.

5. BRAILLE: CALIFORNIA GRADE 2 BRAILLE. DOTS SHALL BE 1/10 INCH (2.54 mm) ON CENTERS IN EACH CELL WITH 2/10 INCH (5.08 mm) SPACE BETWEEN CELLS. DOMED DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.025"-0.037") ABOVE THE BACKGROUND. SEE CBC 11B-703.3

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

FILE:

8

EXIT SIGN

1" TALL RAISED LETTERS TYP.

3/8"-1/2"-TYP

BOYS

6 TYP.

1 2 5 3 4 22

7 23

A

3/8"-1/2"-TYP

MEN

C

3/8"-1/2"-TYP

WOMEN

D

3/8"-1/2"-TYP

GIRLS

B

6" HIGH RAISED WHEELCHAIR LOGO

3/8"-1/2"-TYP

STAFF RESTROOM

E

GRADE 2 BRAILLE TYP.

RESTROOM WALL SIGN

48" MIN. ABOVE FIN. FLR OR GROUND SURFACE (LOWEST BRAILLE CELLS)

60" MAX. ABOVE FIN. FLR OR GROUND SURFACE (HIGHEST LINE OF RAISED CHARACTERS)

NOTE: THERE SHALL BE SIGNS ON BOTH SIDES OF RESTROOMS DOORS OF BOY'S AND GIRL'S RESTROOMS FOR ELEMENTARY SCHOOLS

1/4" THICK ACRYLIC GEOMETRIC SIGN

1'-0"

1'-0"

12

13

14

CONTRAST 70% LIGHT DARK SIGN/DOOR

F FOR BOY'S/ MEN'S RESTROOM

G FOR GIRL'S/WOMEN'S RESTROOM

H ALL GENDER RESTROOM

RESTROOM DOOR SIGN

TACTILE WALL ROOM SIGN RAISED PICTOGRAM, TEXT & BRAILLE. SEE RESTROOM WALL SIGNAGE (RWS) DETAILS A, B, C, D, AND E ABOVE

9" MIN. 12" MAX.

60"-60" AFF. MIN. TO CENTER

CONTRAST 70% LIGHT DARK GEOMETRIC SIGN/DOOR

SEE PICTOGRAM RESTROOM DOOR SIGN, NON TACTILE F, G, AND H ABOVE.

ELEVATION AT RESTROOM DOOR

NOTES:

1. CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH (0.794 mm) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE (SEE NOTE 5 BELOW).

2. CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.9 mm) AND A MAXIMUM OF 2 INCHES (51 mm) HIGH.

3. FINISH & CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND AND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. SEE CBC 11B-703.5.1

4. PROPORTIONS: RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER.

5. BRAILLE: CALIFORNIA GRADE 2 BRAILLE. DOTS SHALL BE 1/10 INCH (2.54 mm) ON CENTERS IN EACH CELL WITH 2/10 INCH (5.08 mm) SPACE BETWEEN CELLS. DOMED DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.025"-0.037") ABOVE THE BACKGROUND. SEE CBC 11B-703.3

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

FILE:

8

EXIT SIGN

CHARACTERS, SYMBOLS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND (MINIMUM 70%). EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND. (CBC 11B-703.5)

CHARACTERS SHALL BE CONVENTIONAL IN FORM. CHARACTERS SHALL NOT BE ITALIC, OBLIQUE SCRIPT, AND HIGHLY DECORATIVE. OR OF OTHER UNUSUAL FORM. CHARACTER HEIGHT SHALL COMPLY WITH TABLE (11B-703.5.3, 11B-703.5.5). VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I"

CHARACTERS AND NUMBERS ON NON-TACTILE SIGNS SHALL BE SIZED ACCORDING TO THE VIEW DISTANCE FROM WHICH THEY ARE TO BE READ. THE MINIMUM HEIGHT IS MEASURED USING AN UPPER CASE I. LOWERCASE CHARACTERS ARE PERMITTED. FOR SIGNS SUSPENDED OR PROJECTED ABOVE THE FINISH FLOOR IN COMPLIANCE WITH CBC SECTION 11B-703.4.1, THE MINIMUM CHARACTER HEIGHT SHALL BE 3 INCHES (76MM). (CBC 11B-703.5.4) REFER TO ACCOMPANYING DETAILS FOR CHARACTER HEIGHT.

CHARACTERS ON SIGNS SHALL BE RAISED 1/32 INCH (0.794 mm) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE COMPLYING WITH CBC SECTION 11B-703.2.1.

RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8 INCH (15.9 MM) AND A MAXIMUM OF 2 INCHES (51 MM) HIGH (CBC 11B-703.2.5). REFER TO ACCOMPANYING DETAILS FOR CHARACTER HEIGHT.

PICTORIAL SYMBOL SIGNS (PICTOGRAMS) SHALL BE ACCOMPANIED BY THE VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE OUTSIDE DIMENSION OF THE PICTOGRAM FIELD SHALL BE A MINIMUM OF 6 INCHES (152 MM) IN HEIGHT (CBC 11B-703.6).

BRAILLE SHOULD BE CONTRACTED GRADE 2 AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B - 703.4.

BRAILLE LOCATIONS WHERE TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONG SIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT A DOUBLE DOOR WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF THE DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MIN BY 18" MIN CENTERED ON THE TACTILE CHARACTERS IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEG OPEN POSITION. (CBC 11B-703.4.2).

THE INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSON. THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B.

THE ISA SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR AT SANITARY FACILITIES THAT ARE ACCESSIBLE. AT NON-ACCESSIBLE SANITARY FACILITIES / SIGN SHALL BE PROVIDE DIRECTING PEOPLE TO THE NEAREST ACCESSIBLE SANITARY FACILITY.

ALL BUILDING ENTRANCES THAT ARE ACCESSIBLE TO AND USABLE BY PERSONS WITH DISABILITIES SHALL BE IDENTIFIED WITH A MINIMUM OF ONE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND WITH ADDITIONAL DIRECTIONAL SIGN, UTILIZING THE SYMBOL, AT JUNCTIONS, TO BE VISIBLE TO PERSON ALONG APPROACHING PEDESTRIAN WAYS (CBC 11B-703.2.5).

DOORWAYS LEADING TO MALE SANITARY FACILITIES SHALL BE IDENTIFIED BY A GEOMETRIC SIGN COMPRISED OF AN EQUILATERAL TRIANGLE 1/4 INCH THICK WITH EDGES 12 INCHES LONG AND A VERTEX POINTING UPWARD. (MINIMUM 70% CONTRASTING DARK TO LIGHT FROM FINISH UP DOOR).

DOORWAYS LEADING TO FEMALE SANITARY FACILITIES SHALL BE IDENTIFIED BY A GEOMETRIC SIGN COMPRISED OF CIRCLE 1/4 INCH THICK (6.4MM) 12 INCHES (305MM) IN DIAMETER (MINIMUM 70% CONTRAST DARK TO LIGHT FROM FINISH OF DOOR)

DOORWAYS LEADING TO UNISEX SANITARY FACILITIES SHALL BE IDENTIFIED BY A GEOMETRIC SIGN COMPRISED OF CIRCLE 1/4 INCH THICK (6.4 MM) 12 INCHES IN DIAMETER (305MM) WITH A 1/4" THICK TRIANGLE SUPERIMPOSED ON A CIRCLE AND WITHIN THE 12 INCHES DIAMETER. (MINIMUM 70% CONTRAST DARK TO LIGHT FROM CIRCLE TO THE FINISH OF DOOR AND FROM TRIANGLE TO CIRCLE).

GEOMETRY SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 58-60 INCHES AND THEIR COLOR AND CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND THE CONTRAST OF THE DOOR (MINIMUM 70%).

EACH GRADE-LEVEL EXTERIOR EXIT DOOR SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORD "EXIT", (CBC1003.2.8.6.1.1).

EACH EXIT DOORS THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF A STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE: "EXIT STAIR DOWN", "EXIT RAMP DOWN", "EXIT STAIR UP", "EXIT RAMP UP" (CBC1003.2.8.6.1.2).

EACH EXIT DOORS THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF EXIT ENCLOSURE OR AN EXIT PASSAGEWAY SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE" (CBC1003.2.8.6.1.3).

EACH EXIT ACCESS DOORS FROM AN INTERIOR ROOM OR AREA TO A CORRIDOR OR HALLWAY THAT REQUIRED TO HAVE A VISUAL EXIT SIGN, SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE WORDS "EXIT ROUTE" (CBC1003.2.8.6.1.4).

EACH EXIT DOOR THROUGH A HORIZONTAL EXIT SHALL BE IDENTIFIED BY A SIGN WITH THE WORDS "EXIT ROUTE" (CBC1003.2.8.6.1.5).

TOILET ACCESSORIES: TOILET ACCESSORIES REQUIRED TO BE ACCESSIBLE SHALL BE MOUNTED AT HEIGHTS ACCORDING TO CBC SECTION 11B-603. TOILET PAPER AND FEMININE NAPKIN DISPENSERS LOCATED ON THE GRAB BAR SIDE OF AN ACCESSIBLE TOILET ROOM OR SHALL NOT PROJECT MORE THAN 3" FROM THE FINISHED WALL SURFACE NOR BE LOCATED CLOSER THAN 1 1/2" CLEAR OF THE TANGENT POINT OF THE GRAB BAR.

PROPORTIONS: RAISED CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER.

BRAILLE: CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (92.54MM) ON CENTERS IN EACH CELL WITH 2/10 INCH (5.08MM) SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 0.025"-0.037" ABOVE THE BACKGROUND. 11B-703.3. RECOMMEND ROUNDED OR DOMED CALIFORNIA BRAILLE DOTS. EACH DISTINCT AND SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS.

EDGES AND VERTICES ON GEOMETRIC SYMBOLS SHALL BE EASED OR ROUNDED AT 1/16 INCH MINIMUM OR CHAMFERED AT 1/8 INCH MINIMUM. VERTICES SHALL BE RADIISES BETWEEN 1/8 INCH MINIMUM AND 1/4 INCH MAXIMUM.

DOTS BASE DIAMETER 0.059"-0.063"

DISTANCE BETWEEN TWO DOTS IN THE SAME CELL 0.100"

DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS 0.300"

DOT HEIGHT 0.025" - 0.037"

DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW 0.395"-0.400" TABLE 11B-703.3.1

ROUNDED OR DOMED CALIFORNIA BRAILLE DOTS, EACH DISTINCT & SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT ACCEPTABLE

CELL

0.025"-0.037"

0.100"

0.100"

12"

0.76"

ASSISTIVE LISTENING SYSTEM AVAILABLE

ASSISTIVE LISTENING SYSTEM (ALS)

DATE: 4.26.24

SHEET: 37

OF: 63

RESTROOM SIGNAGE

4

SIGNAGE NOTES

1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123812 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024

LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT
Architects McDonald, Soutar & Paz, Inc.
3575 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA 90807
TEL (562) 427-9007 FAX (562) 427-3007
ARCHITECTSMSP.COM

CONSULTANT

STAMPS/SEALS

100% SUBMITTAL

SHEET TITLE:

SIGNAGE DETAILS

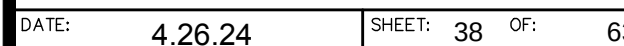
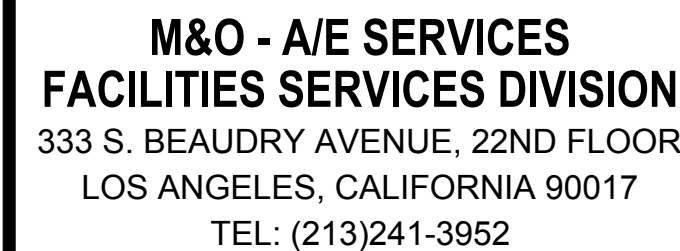
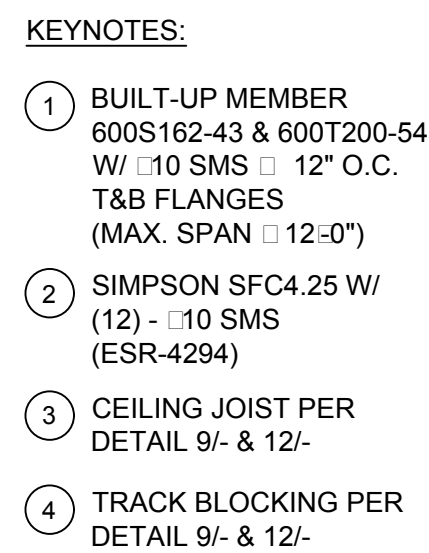
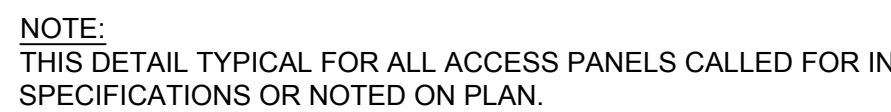
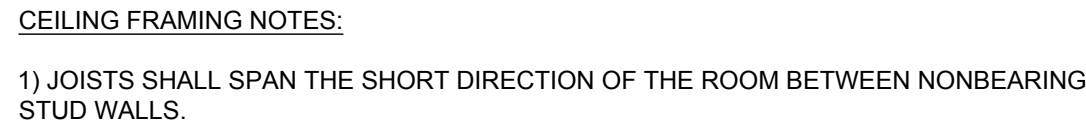
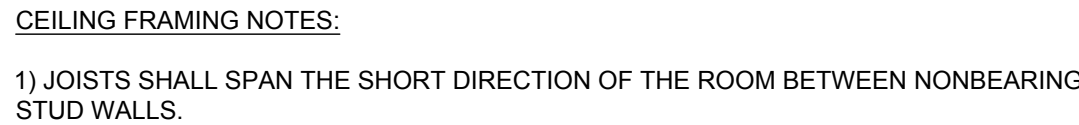
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DRAWN: MSP CHECKED: MSP
SHEET NUMBER

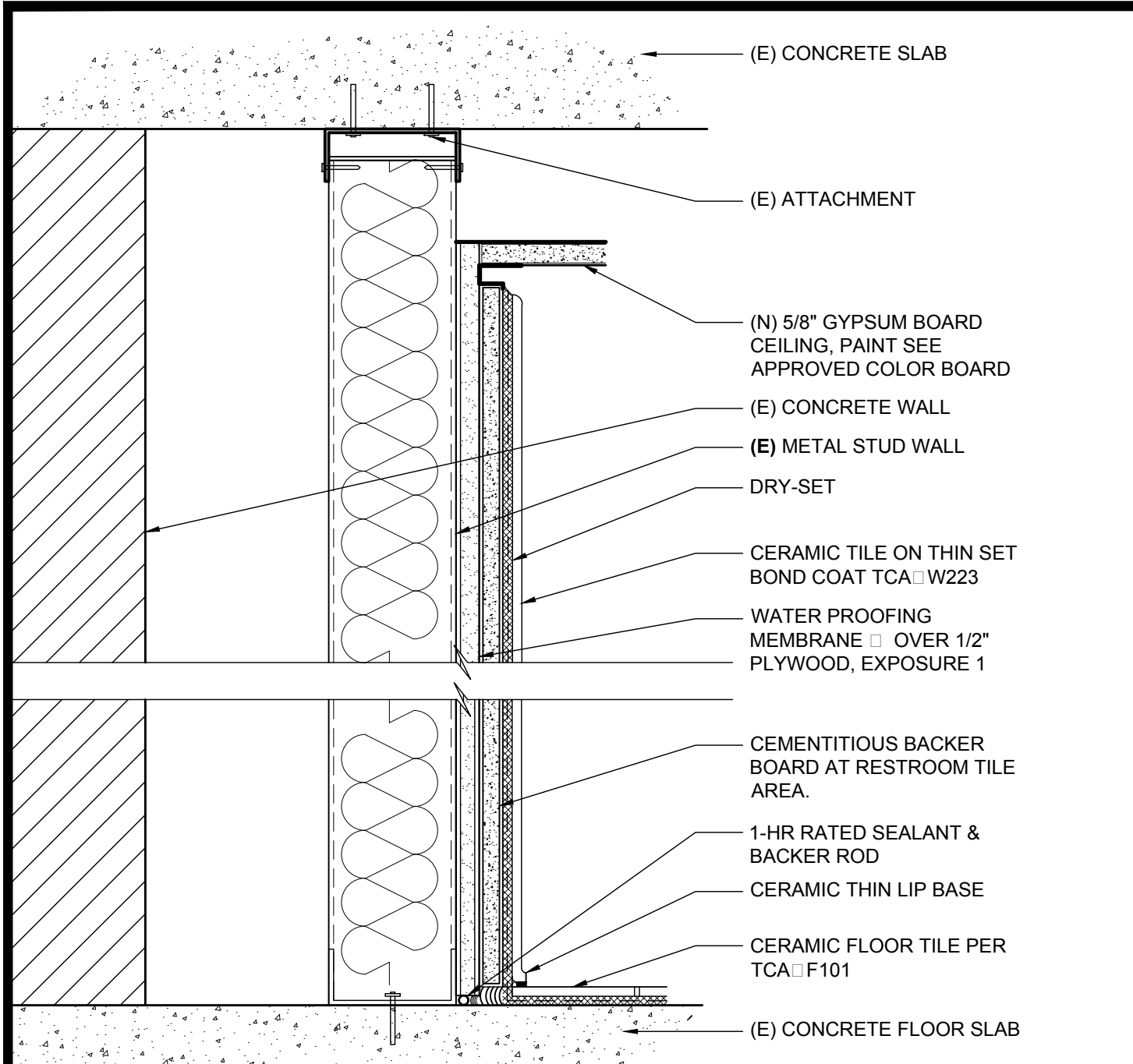
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DATE: 4.26.24 SHEET: 37 OF: 63

PRINTED DATE: A 11 25, 2024

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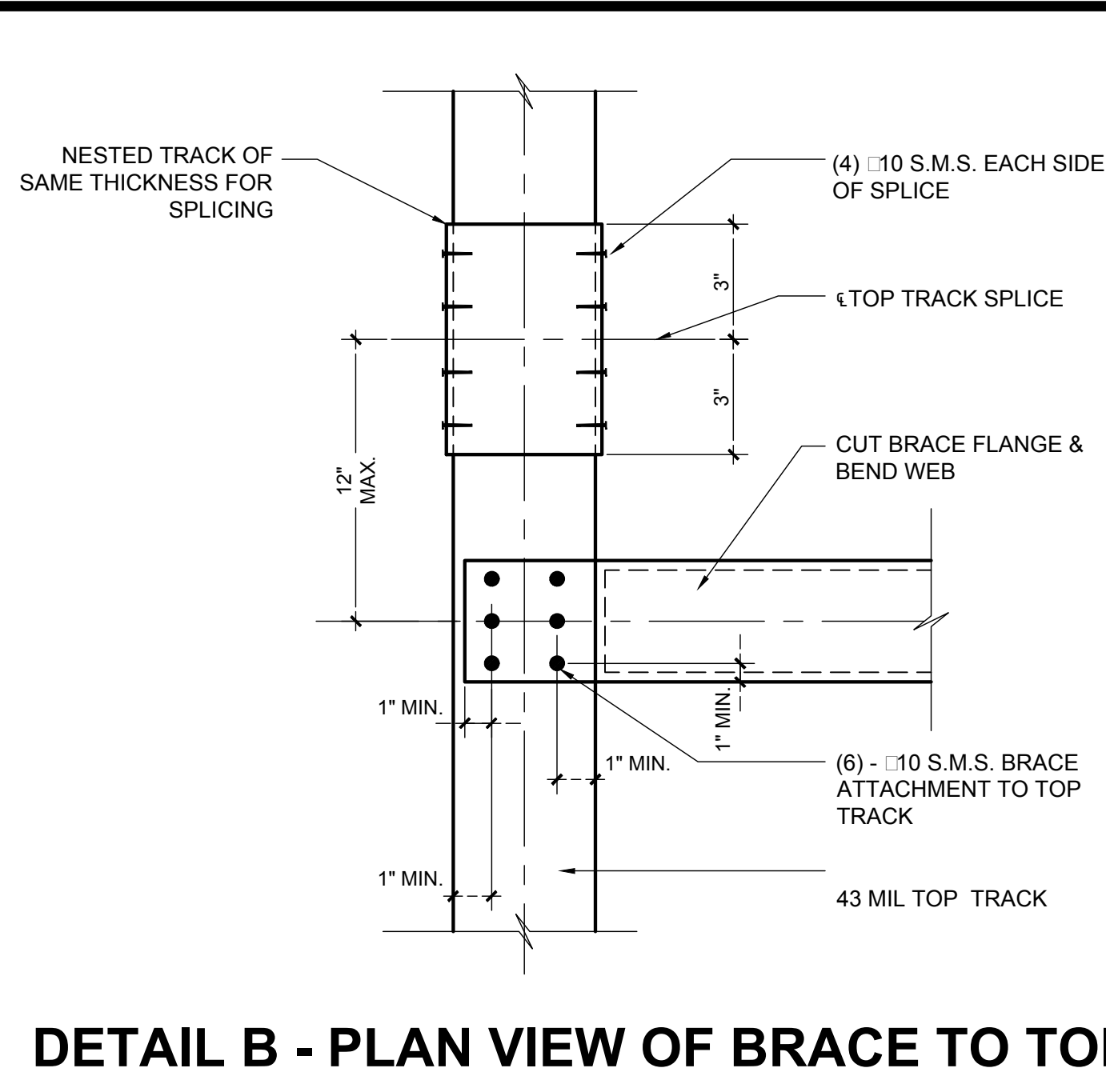




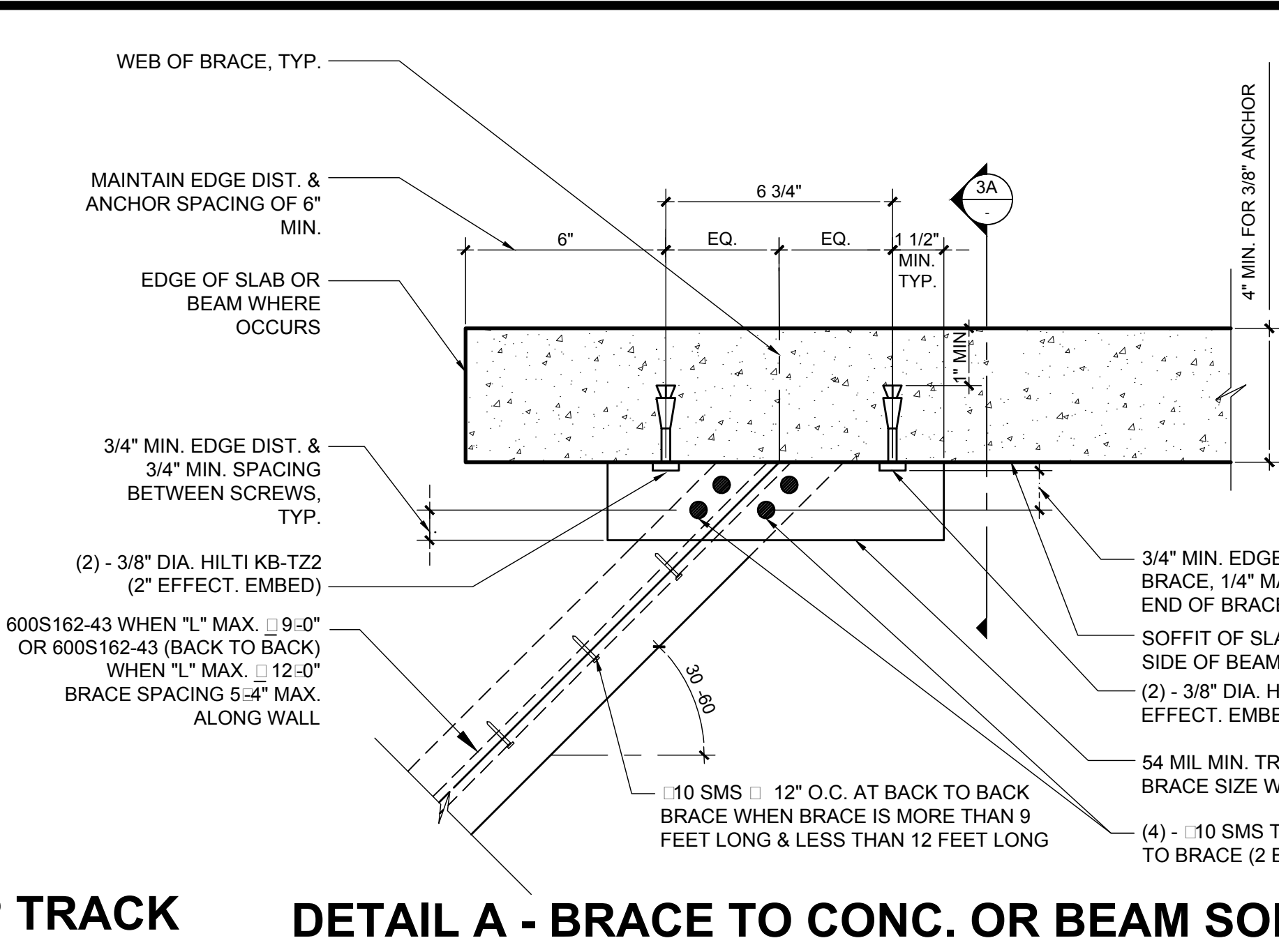
FURRED WALL

SCALE: 3" = 1'-0"
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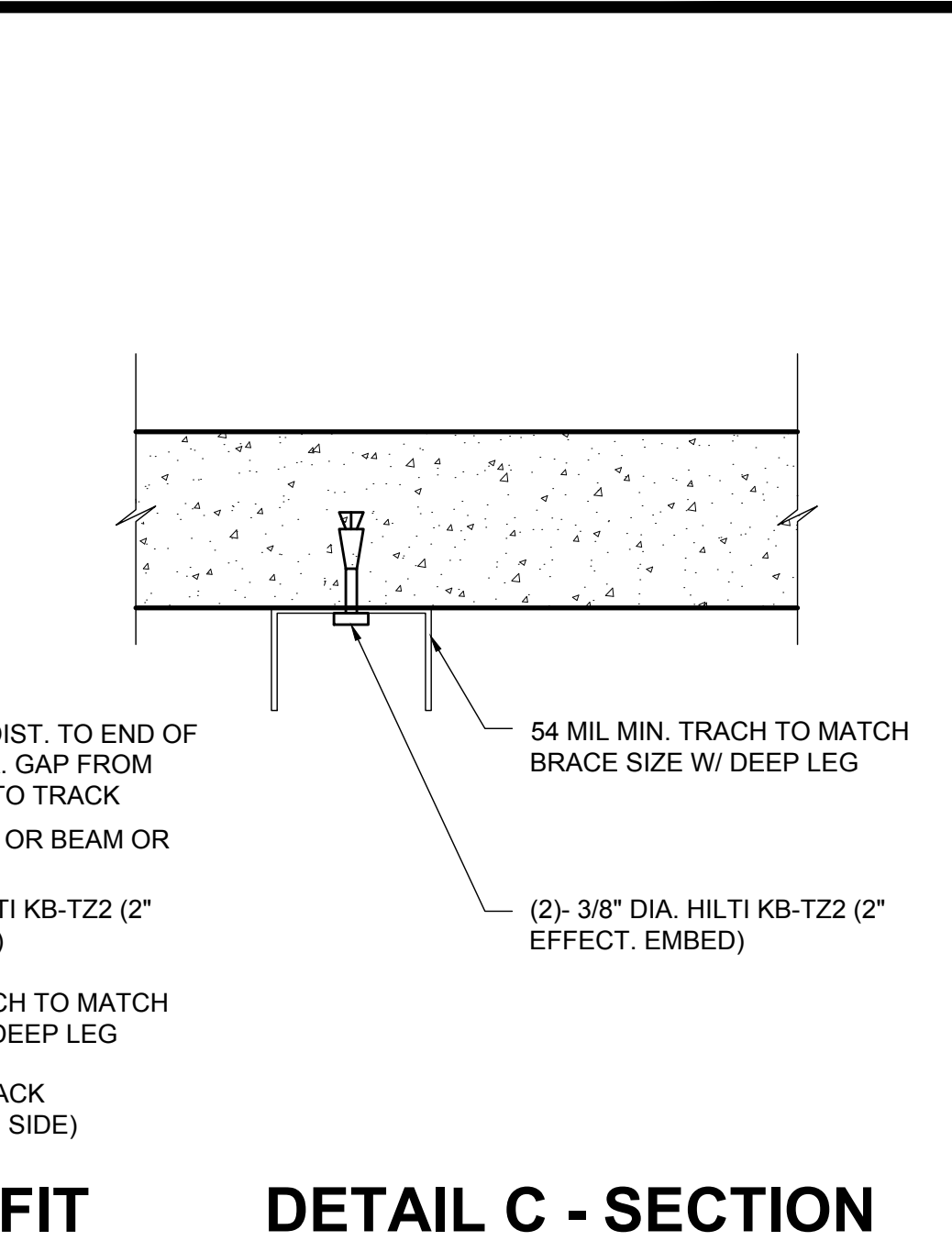
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DETAIL B - PLAN VIEW OF BRACE TO TOP TRACK



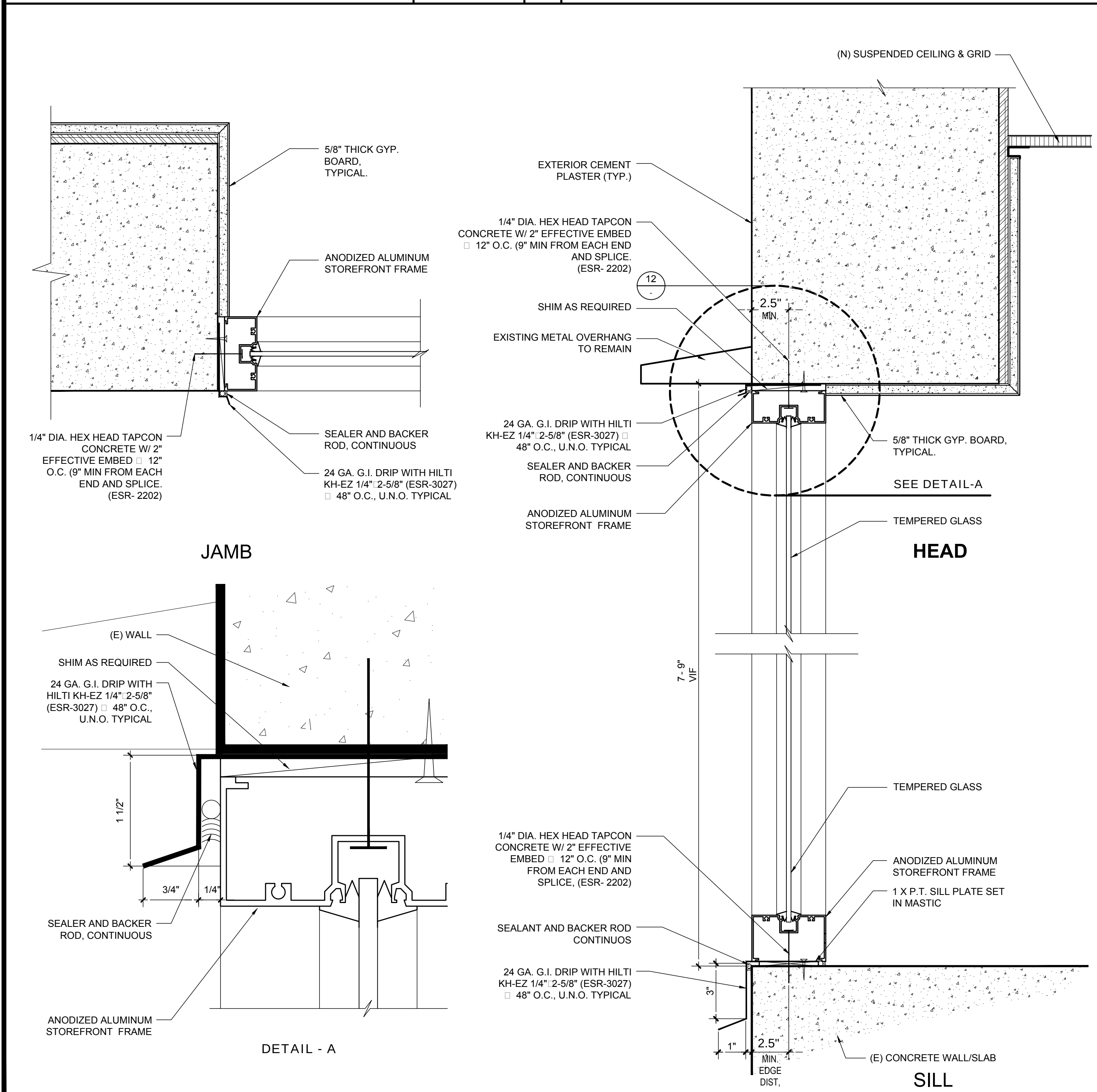
DETAIL A - BRACE TO CONC. OR BEAM SOFFIT



DETAIL C - SECTION

SCALE: 3" = 1'-0"
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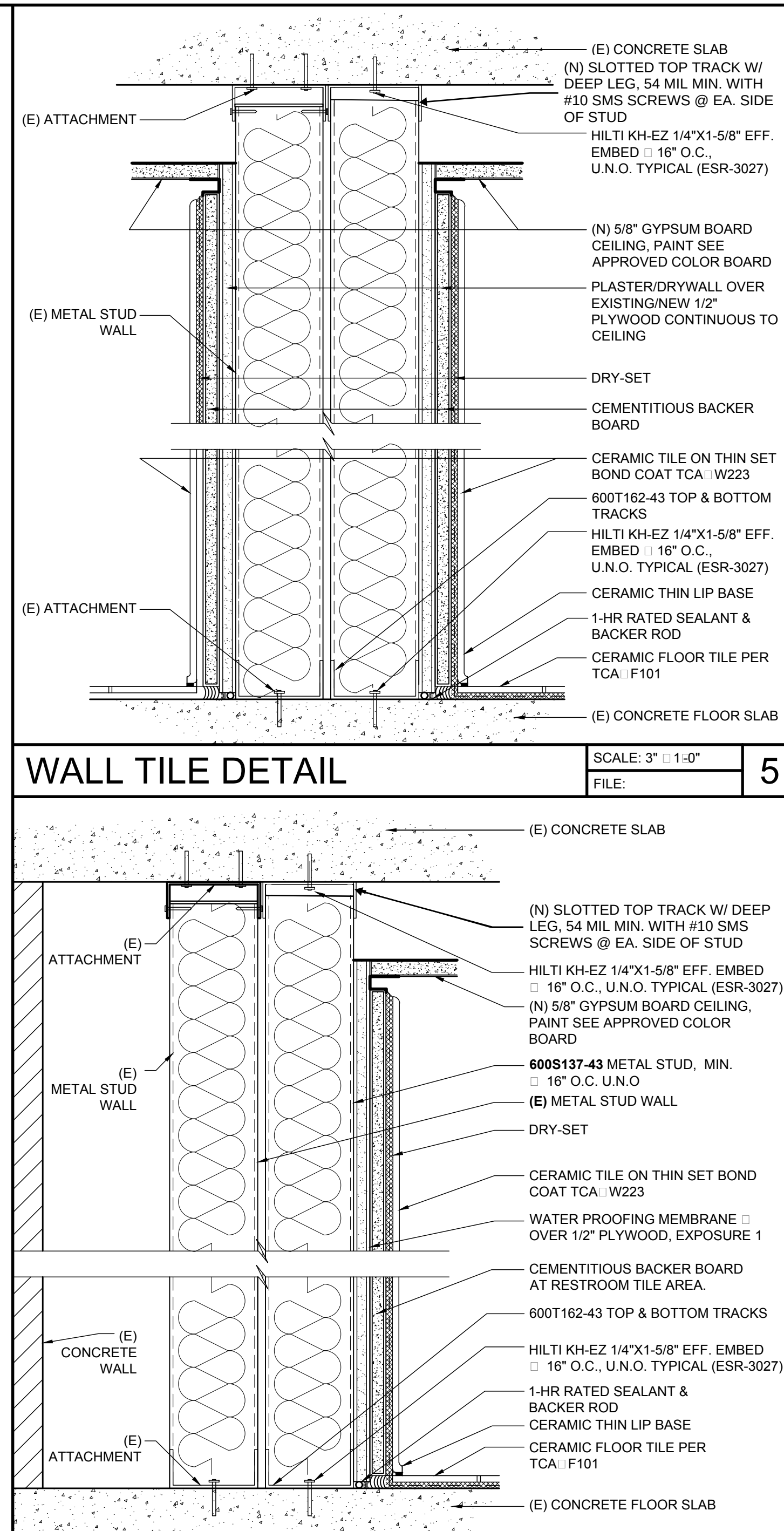
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STOREFRONT

SCALE: 3" = 1'-0"
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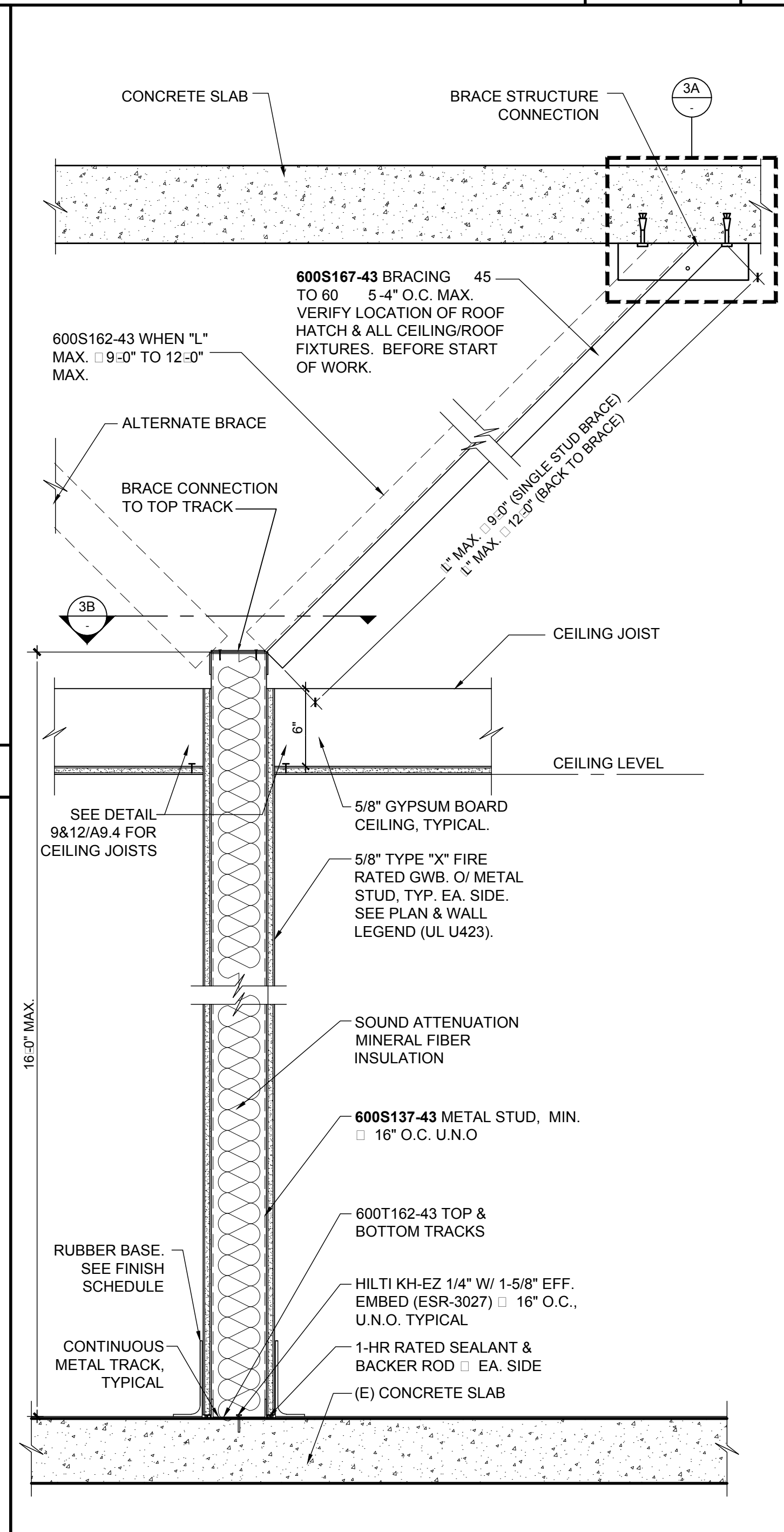
7



WALL TILE DETAIL

SCALE: 3" = 1'-0"
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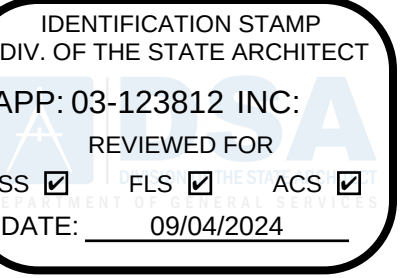
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FULL HEIGHT PARTITION

SCALE: 1 1/2" = 1'-0"
FILE:

1



LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

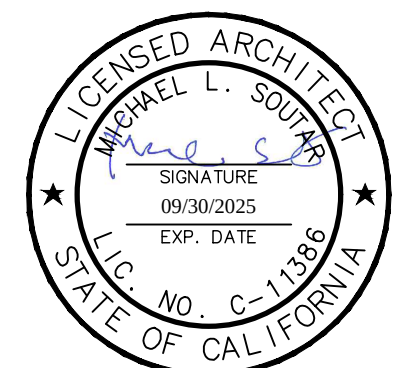
PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT
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CONSULTANT

STAMPS/SEALS



100% SUBMITTAL

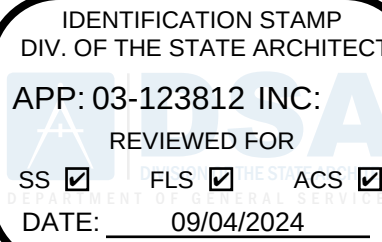
SHEET TITLE:

WALL
DETAILS

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: MSP CHECKED: MSP
SHEET NUMBER

A-9.5

DATE: 4.26.24 SHEET: 39 OF: 63
PRINTED DATE: A 11/30/2024



**LOS ANGELES UNIFIED
SCHOOL DISTRICT**

**M&O - A/E SERVICES
FACILITIES SERVICES DIVISION**

333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL**

717 North Figueroa Street
Los Angeles, California 90012

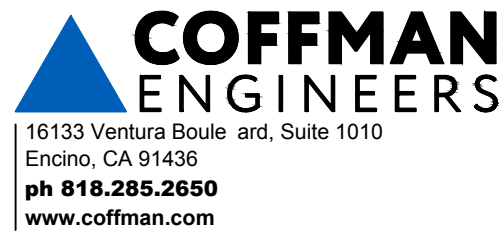
COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT

Architects McDonald, Soutar & Paz, Inc.

3575 LONG BEACH BOULEVARD
LONG BEACH CALIFORNIA 90807
TEL (562) 427-5007 FAX (562) 427-3007
ARCHITECTSMSP.COM

CONSULTANT



03/07/2024

100% SUBMITTAL

SHEET TITLE

GENERAL NOTES

PROJECT NO.: 230017	PROJECT ENGR: JH / PVE
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DRAWN: MBH	CHECKED: JH / PVE
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SHEET NUMBER

S-0.2

DATE: 02.27.24 SHEET: 41 OF: 63

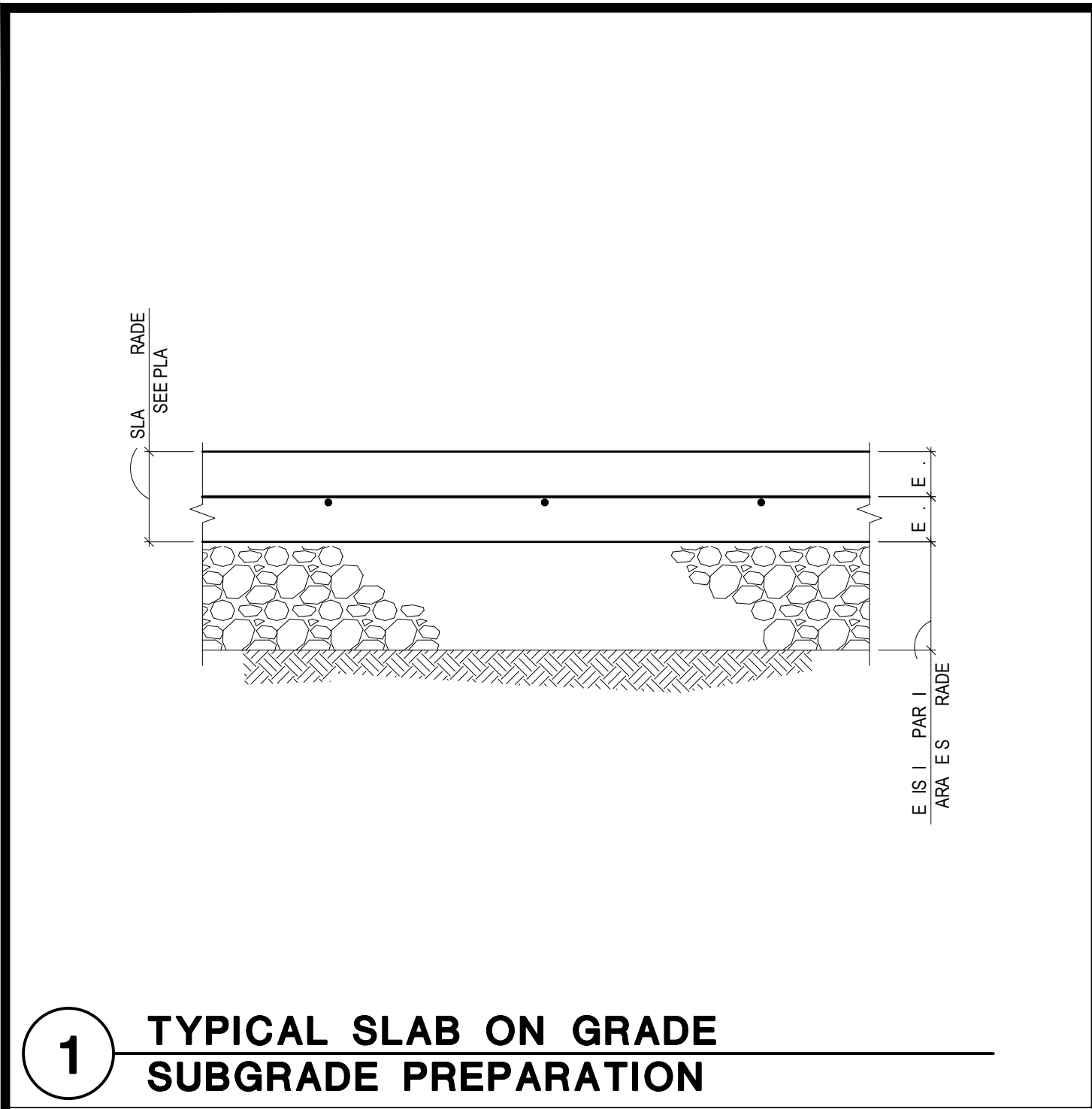
PRINTED DATE: March 7, 202

<u>E</u>					
P AR L LAP SPLI E LE					
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<u>ES</u>					
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a I DIVID AL PA SPLI ES I I E DLES ALL					
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c I REASE LAP LE 33 A F R AR DLES.					
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A RDA E I A I 3 RE IREME S.					
3. EP A ED AR DEVEL PME & SPLI ES					
S I REASE DEVEL PME & LAP LE 20 .					
3. S RAI ARS					
S RE					
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LAP LE 50					
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P RI FS					
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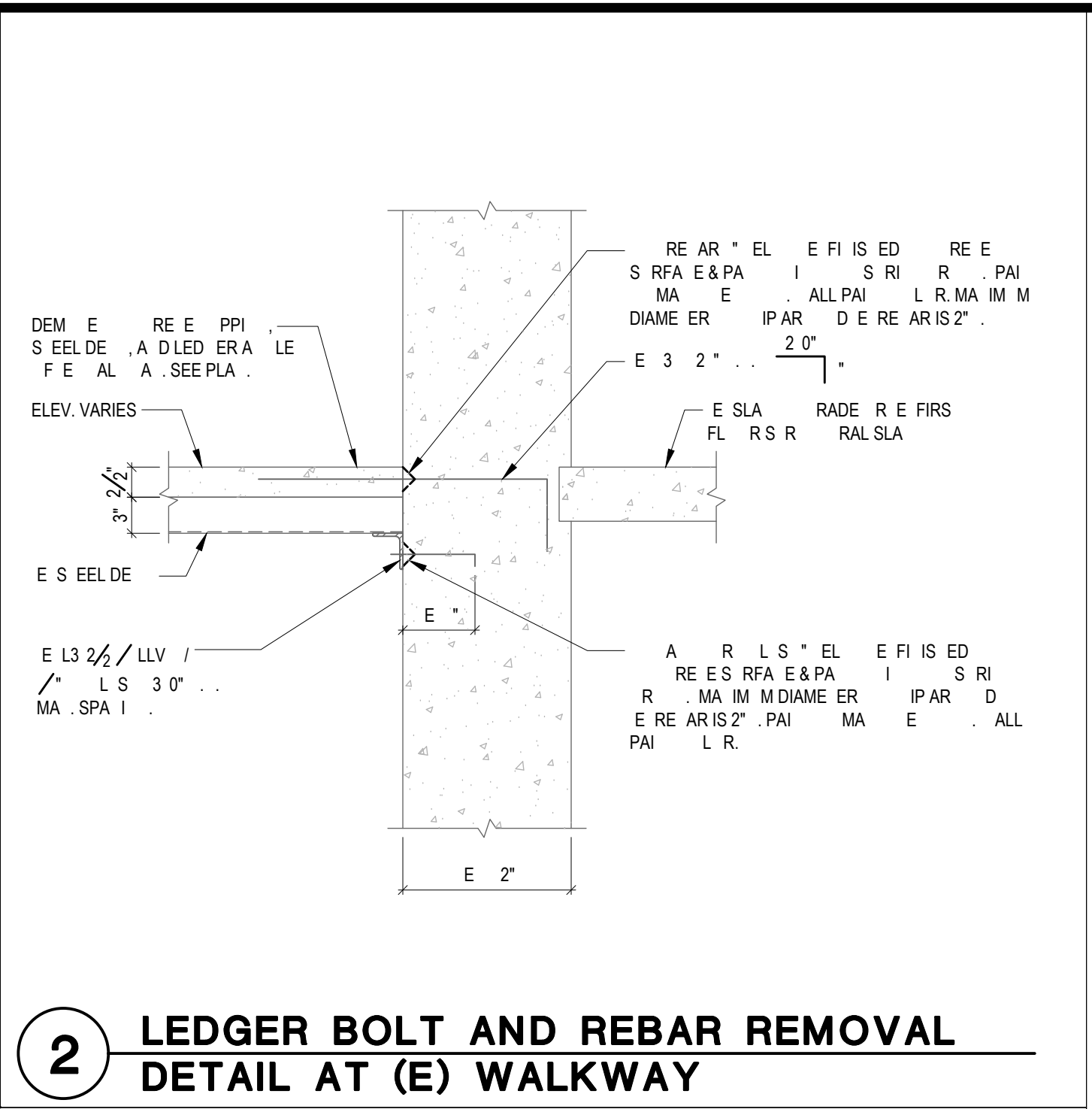


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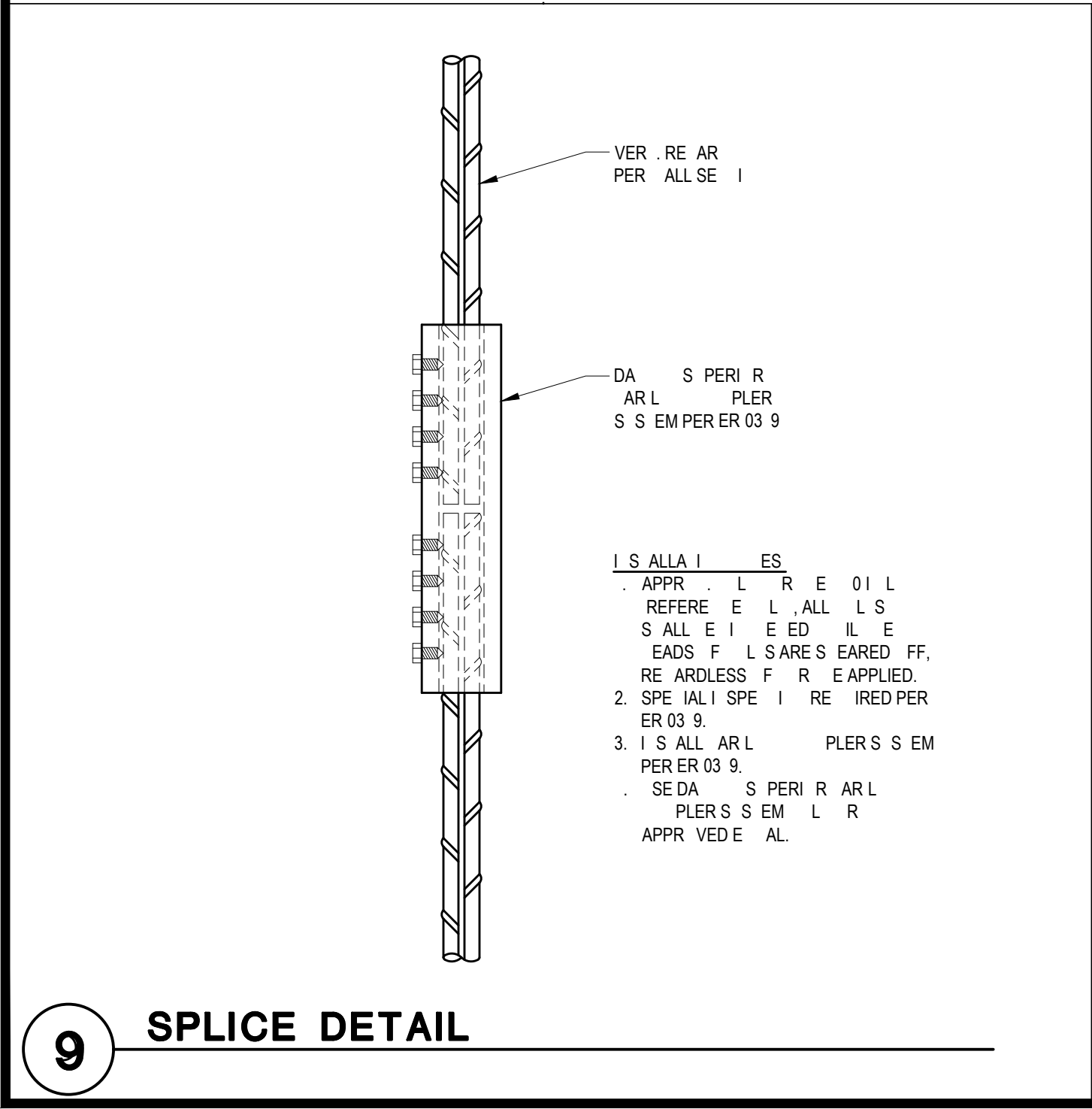
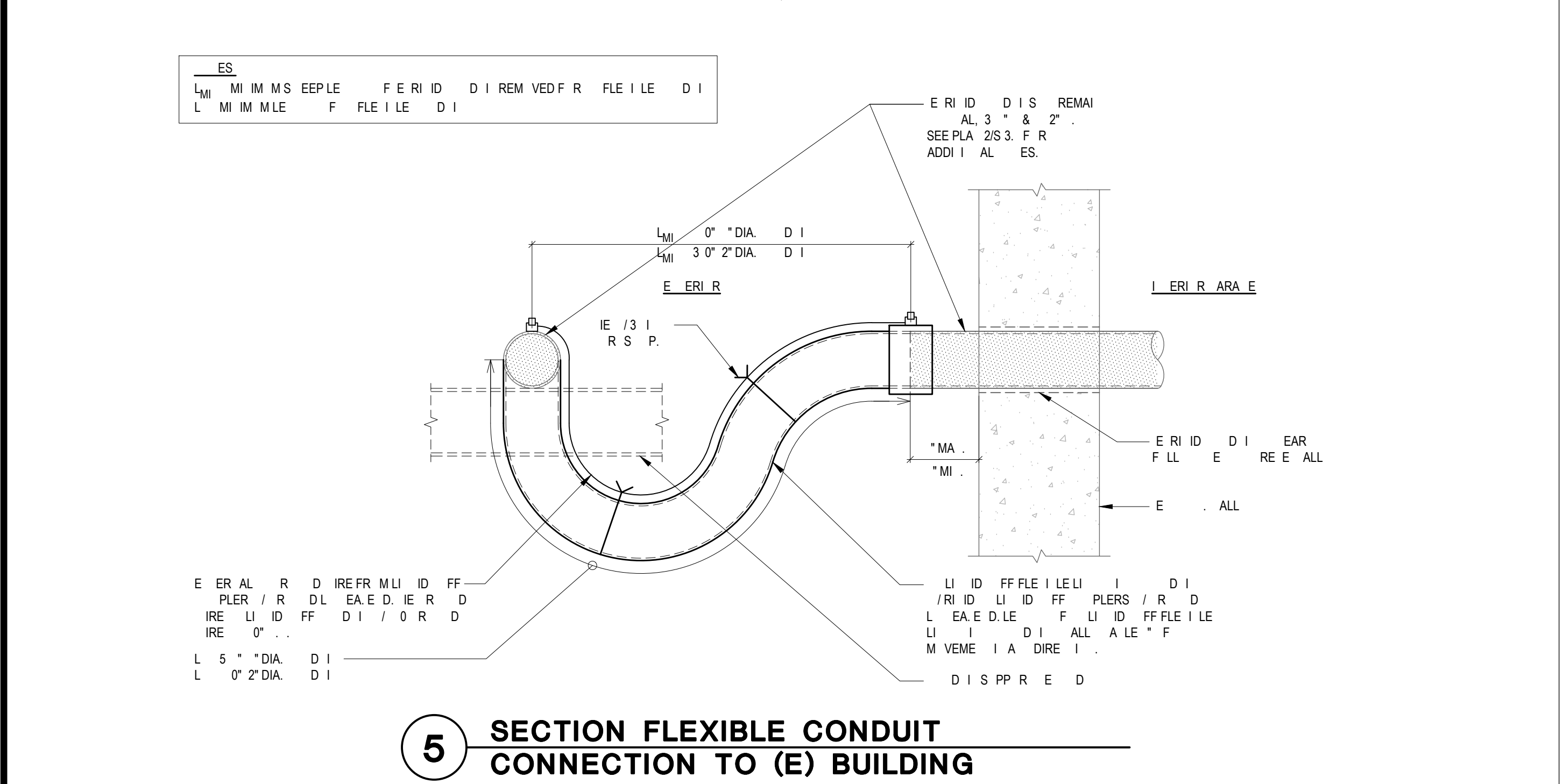




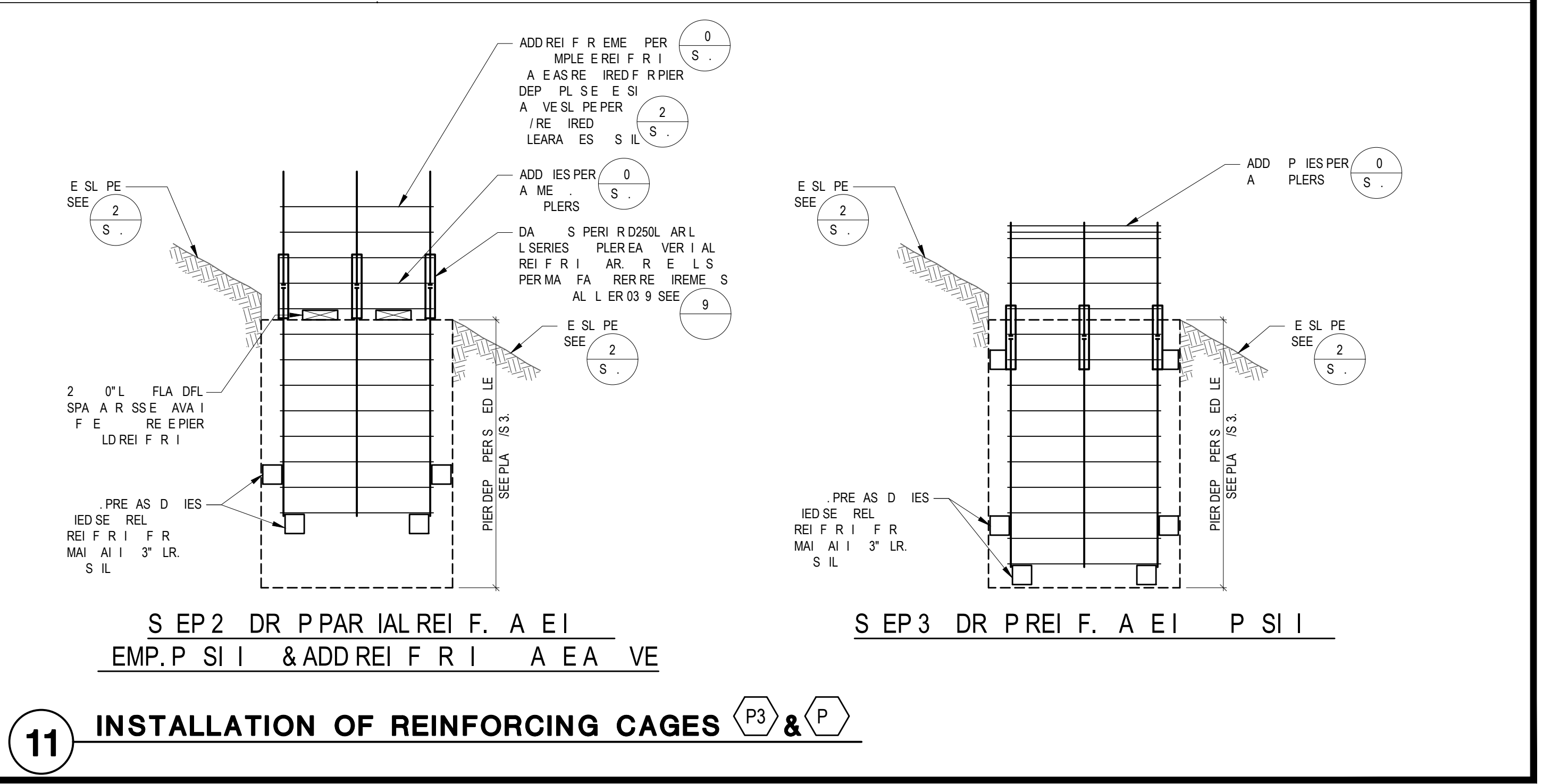
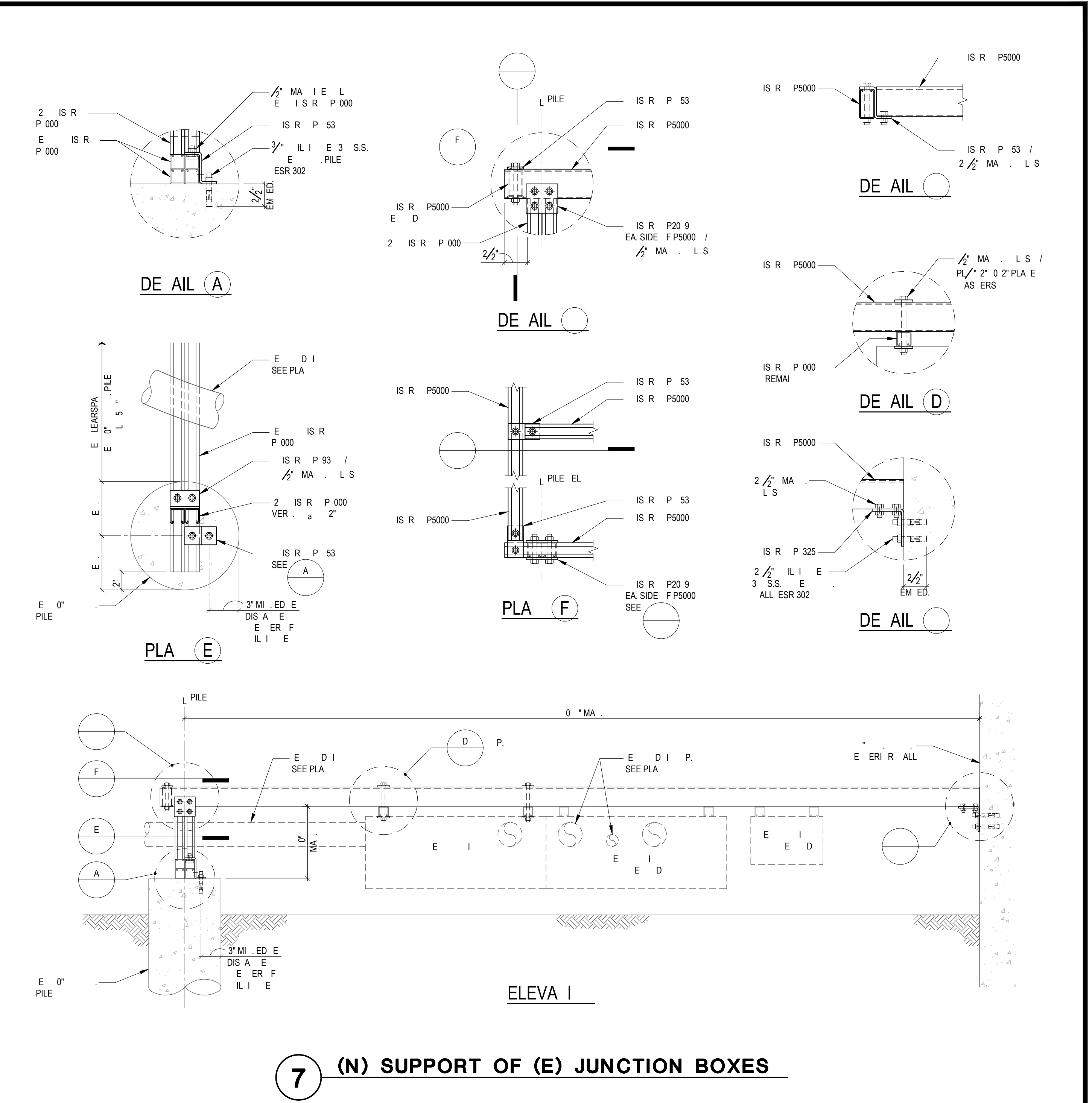
1 TYPICAL SLAB ON GRADE SUBGRADE PREPARATION



2 LEDGER BOLT AND REBAR REMOVAL DETAIL AT (E) WALKWAY



9 SPLICE DETAIL



11 INSTALLATION OF REINFORCING CAGES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123812 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024



LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT
Architects McDonald, Soutar & Paz, Inc.
3575 LONG BEACH BOULEVARD
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CONSULTANT
COFFMAN ENGINEERS
18133 Ventura Boule ard, Suite 1010
Encino, CA 91436
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STAMPS/SEALS

DSA PHASE 1 BACK CHECK
100% SUBMITTAL
SHEET TITLE:
DETAILS
PROJECT NO.: 230017 PROJECT ENGR: JH / PVB
DRAWN: MBH CHECKED: JH / PVB
SHEET NUMBER
S-1.2
DATE: 07.03.24 SHEET: 43 OF: 63
PRINTED DATE: 07/03/2024



LOS ANGELES UNIFIED
SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL

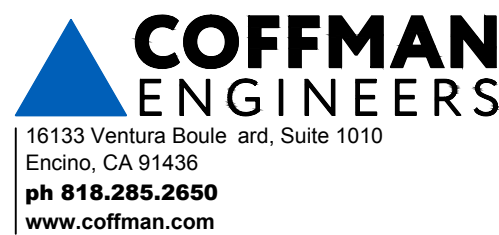
717 North Figueroa Street
Los Angeles, California 90012

COLIN NUMBER: 10372448

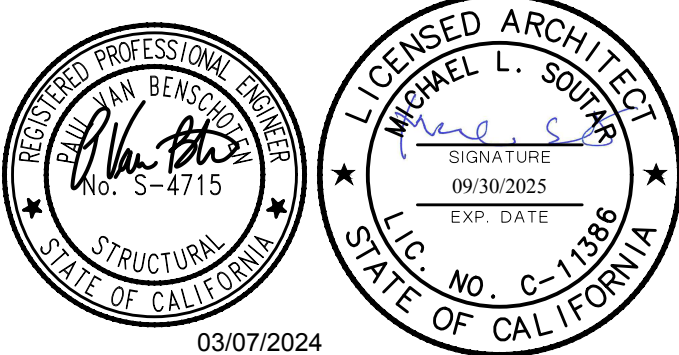
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STAMPS/SEALS



03/07/2024

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SHEET TITLE:

FOUNDATION PLAN

PROJECT NO.: 230017 PROJECT ENGR: JH / PVB

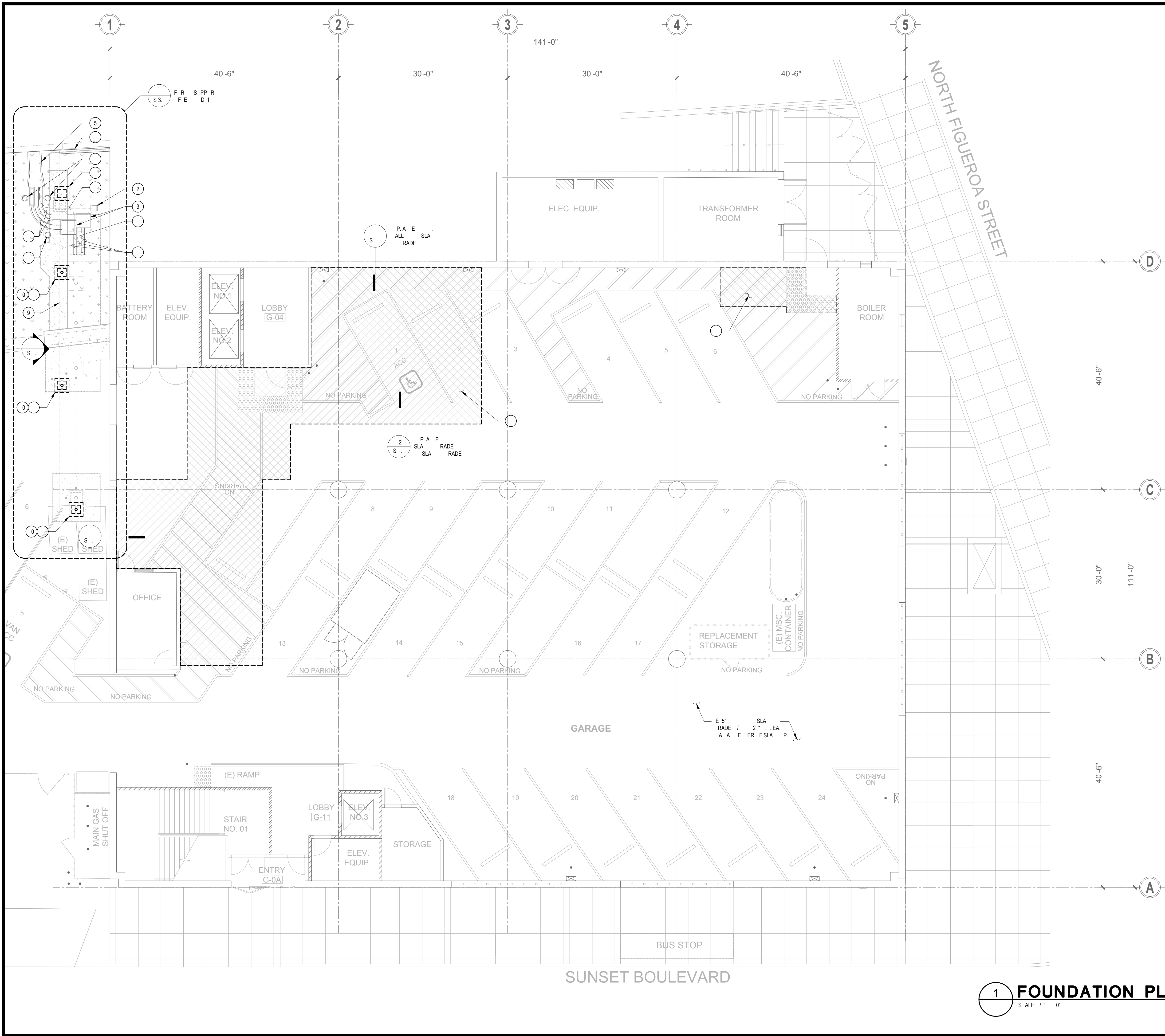
DRAWN: MBH CHECKED: JH / PVB

SHEET NUMBER

S-2.1

DATE: 02.27.24 SHEET: 44 OF: 63

PRINTED DATE: March 7, 2024



1 FOUNDATION PLAN
SCALE: 1" = 0'





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FACILITIES SERVICES DIVISION
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LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL

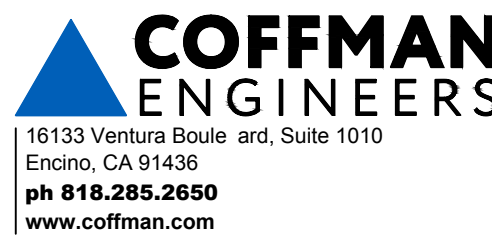
717 North Figueroa Street
Los Angeles, California 90012

COLIN NUMBER: 10372448

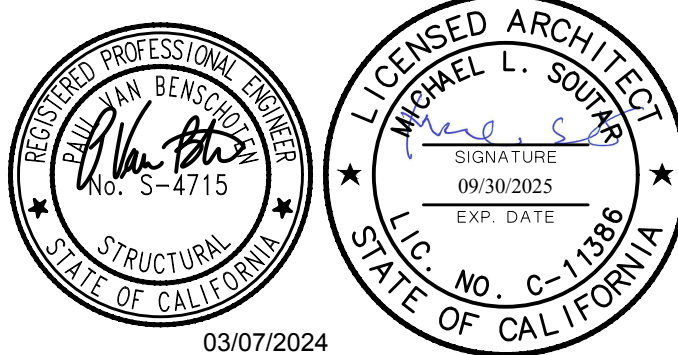
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STAMPS/SEALS



03/07/2024

100% SUBMITTAL

SHEET TITLE:

FIRST FLOOR
FRAMING PLAN

PROJECT NO.: 230017 PROJECT ENGR: JH / PVB

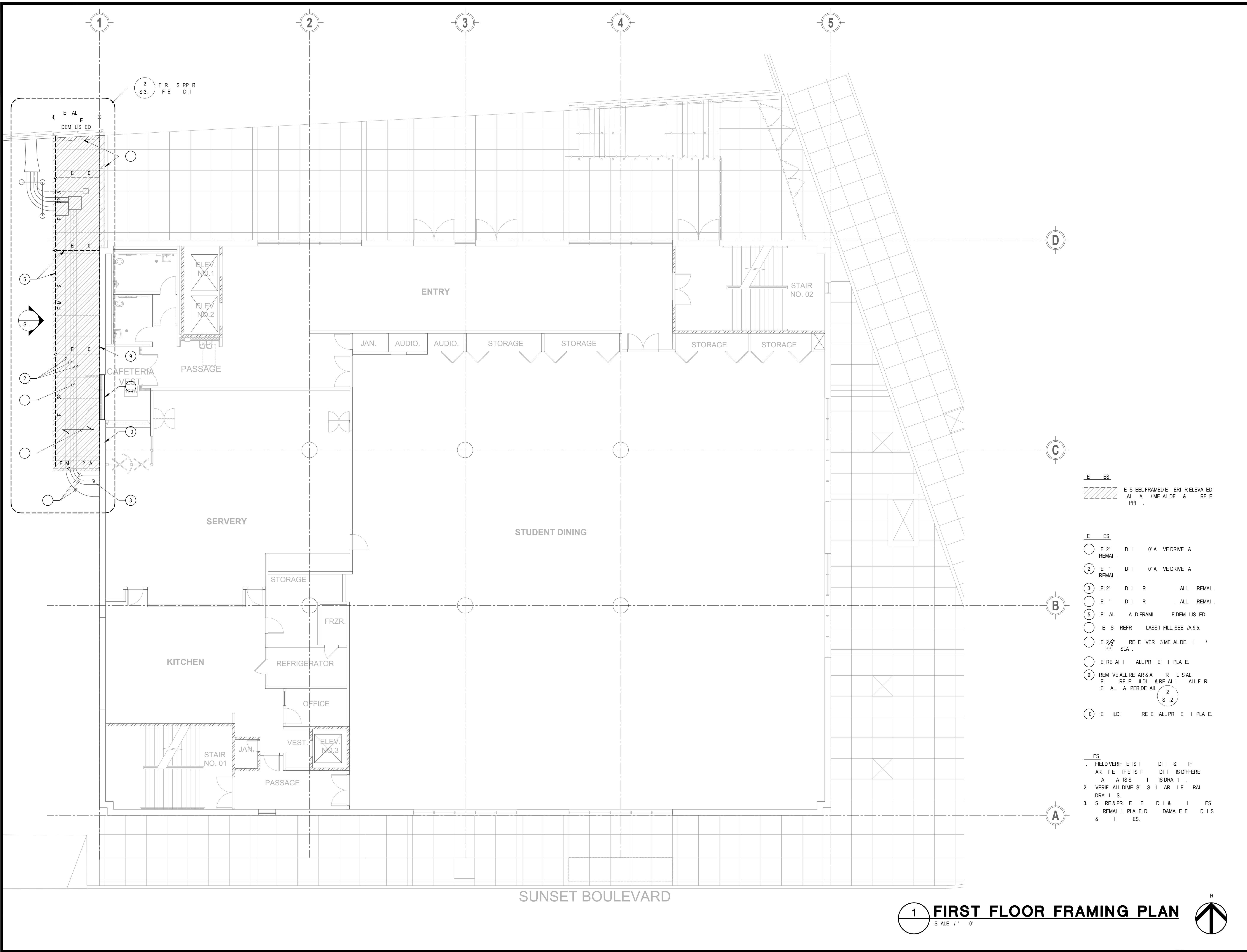
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SHEET NUMBER

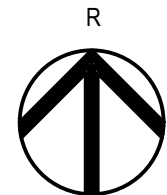
S-2.2

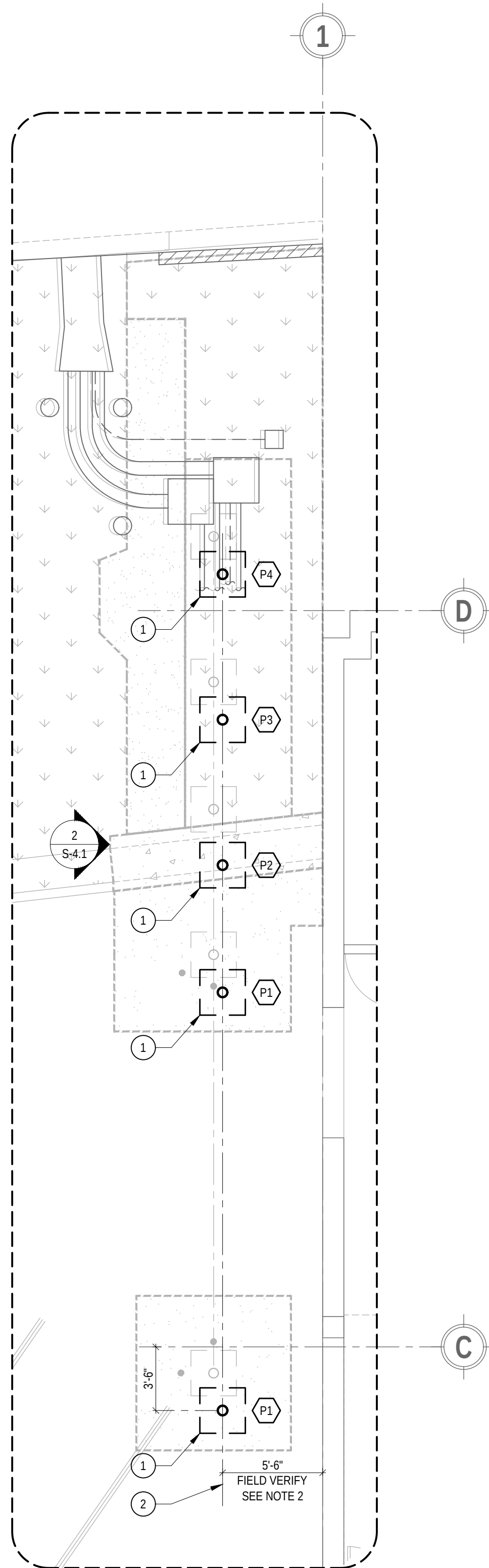
DATE: 02.27.24 SHEET: 45 OF: 63

PRINTED DATE: March 7, 2024



1 FIRST FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"





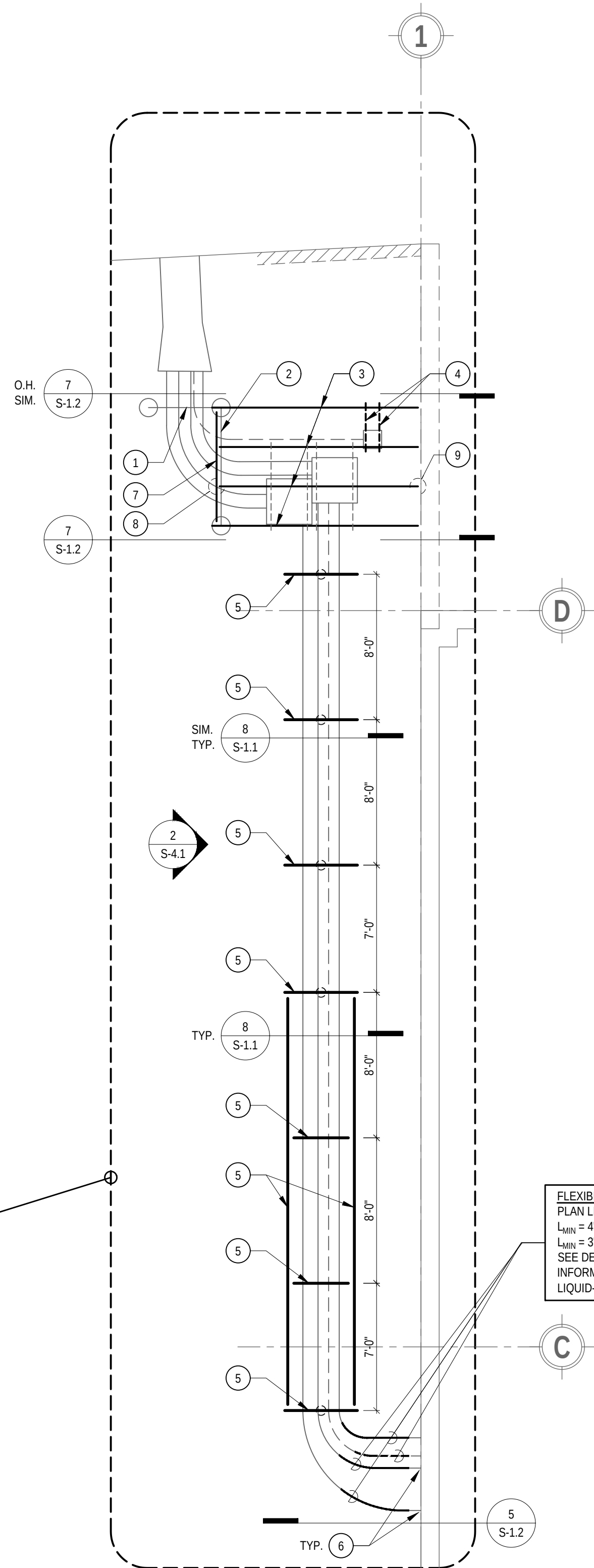
PILE DEPTH SCHEDULE		
MARK	DEPTH **	DETAIL REFERENCE
P1	5'-6"	10/S-1.1
P2	4'-6"	10/S-1.1
P3	3'-6"	10/S-1.1 & 11/S-1.2
P4	3'-6"	10/S-1.1 & 11/S-1.2

** BELOW LOWEST ADJACENT GRADE

- NOTES:**
- FIELD VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT IF EXISTING CONDITION IS DIFFERENT THAN WHAT IS SHOWN IN THIS DRAWING.
 - VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 - SHORE & PROTECT (E) CONDUIT & JUNCTION BOXES TO REMAIN IN PLACE. TEMPORARY SHORING IS MEANS AND METHODS. CONTRACTOR TO PROVIDE TEMPORARY SHORING OF EXISTING CONDUITS AND JUNCTION BOXES AS REQUIRED TO INSTALL NEW CONDUIT AND JUNCTION BOX SUPPORTS. DO NOT DAMAGE (E) CONDUITS & JUNCTION BOXES.
 - SEE ELEVATIONS ON SHEET S4.1 FOR LAYOUT DIMENSIONS OF COLUMNS AND PILES.

- KEY NOTES:**
- (N) PIPE 6 STD. POST AND 2'-6" SQ. CONC. PILE. SEE DETAIL 10/S-1.1
 - CENTERLINE OF PIPE COLUMNS & PILES TO BE CENTERED ON CONDUIT GROUP AS SHOWN ON 2

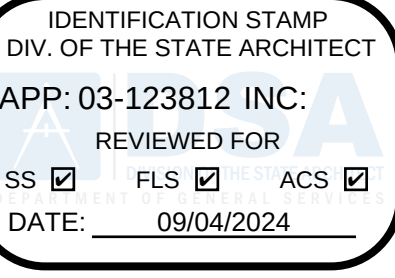
1
-
ENLARGED FOUNDATION PLAN
SCALE: 3/16" = 1'-0"



- NOTES:**
- FIELD VERIFY EXISTING CONDITIONS. NOTIFY ARCHITECT IF EXISTING CONDITION IS DIFFERENT THAN WHAT IS SHOWN IN THIS DRAWING.
 - VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 - SHORE & PROTECT (E) CONDUIT & JUNCTION BOXES TO REMAIN IN PLACE. TEMPORARY SHORING IS MEANS AND METHODS. CONTRACTOR TO PROVIDE TEMPORARY SHORING OF EXISTING CONDUITS AND JUNCTION BOXES AS REQUIRED TO INSTALL NEW CONDUIT AND JUNCTION BOX SUPPORTS. DO NOT DAMAGE (E) CONDUITS & JUNCTION BOXES.

- KEY NOTES:**
- (E) EIGHT (8) UNISTRUT P1000 (2 - P1000 WIDE x 4 - P1000 HIGH) TO REMAIN.
 - (E) FOUR (4) UNISTRUT P1000 (2 - P1000 WIDE x 2 - P1000 HIGH) TO REMAIN.
 - (N) UNISTRUT P5000 FROM (E) CONC. WALL TO (E) 12" PILES TO SUPPORT (E) JUNCTION BOXES.
 - (N) UNISTRUT P1000 (TYP. 2 PLACES).
 - (N) W8x24 STEEL MEMBERS ABOVE GARAGE DRIVEWAY OPENING TO SUPPORT (E) CONDUITS.
 - FOUR (4) EXISTING CONDUITS ENTER THE EXISTING CONCRETE SHEARWALL BUILDING. SHALL HAVE WATERPROOF FLEXIBLE CONDUIT ALLOWING 4" OF MOVEMENT IN ANY DIRECTION. SEE DETAIL S/S-1.2 & ELECTRICAL NOTES ON E-2.
 - (N) UNISTRUT P5000.
 - (N) UNISTRUT P5000 TO P5000 CONN. (TYP. 2 PLACES) SEE DETAIL 7C/S-1.2
 - (N) UNISTRUT P5000 TO (E) CONC. WALL. (TYP. 4 PLACES) SEE DETAIL 7G/S-1.2

2
-
ENLARGED CONDUIT
SUPPORT FRAMING PLAN
SCALE: 3/16" = 1'-0"



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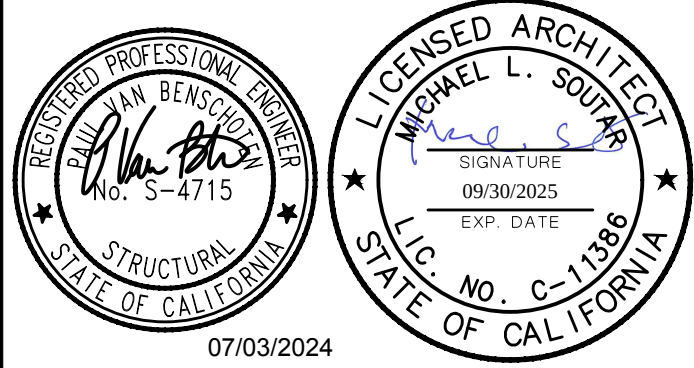
PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL**
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

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STAMPS/SEALS

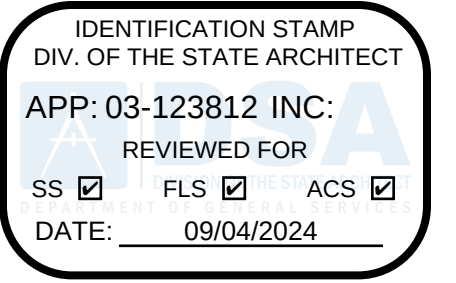


DSA PHASE 1 BACK CHECK
100% SUBMITTAL

SHEET TITLE:

ENLARGED PLANS

PROJECT NO.: 230017 PROJECT ENGR: JH / PVB
DRAWN: MBH CHECKED: JH / PVB
SHEET NUMBER
S-3.1
DATE: 07.03.24 SHEET: 46 OF: 63
PRINTED DATE: 07/03/2024



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PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL**

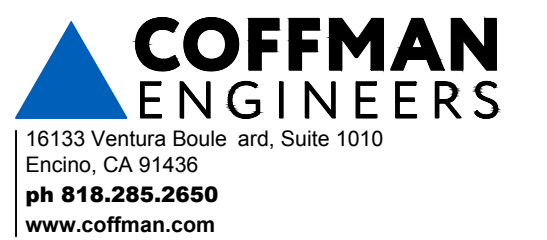
717 North Figueroa Street
Los Angeles, California 90012

COLIN NUMBER: 10372448

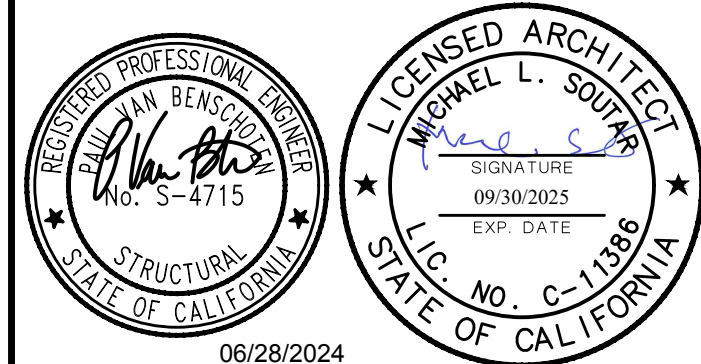
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STAMPS/SEALS



06/28/2024

100% SUBMITTAL

SHEET TITLE:

ELEVATIONS

PROJECT NO.: 230017

PROJECT ENGR: JH / PVB

DRAWN: MBH

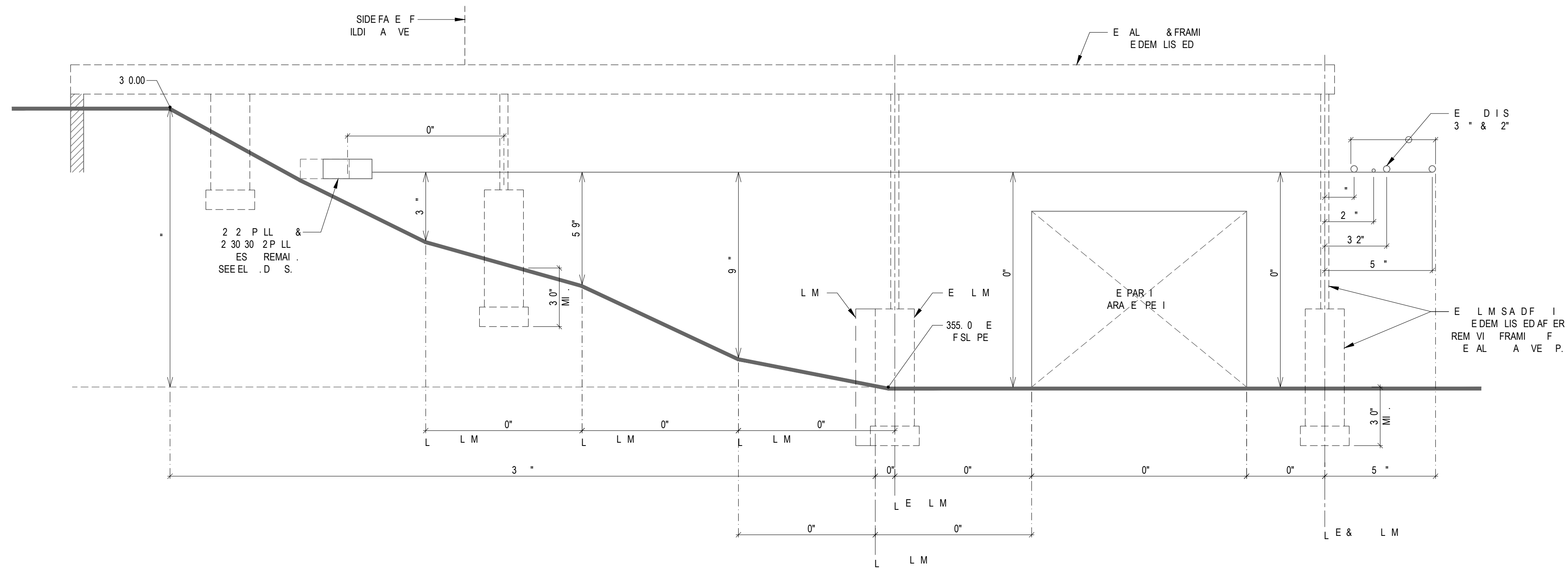
CHECKED: JH / PVB

SHEET NUMBER

S-4.1

DATE: 02.27.24

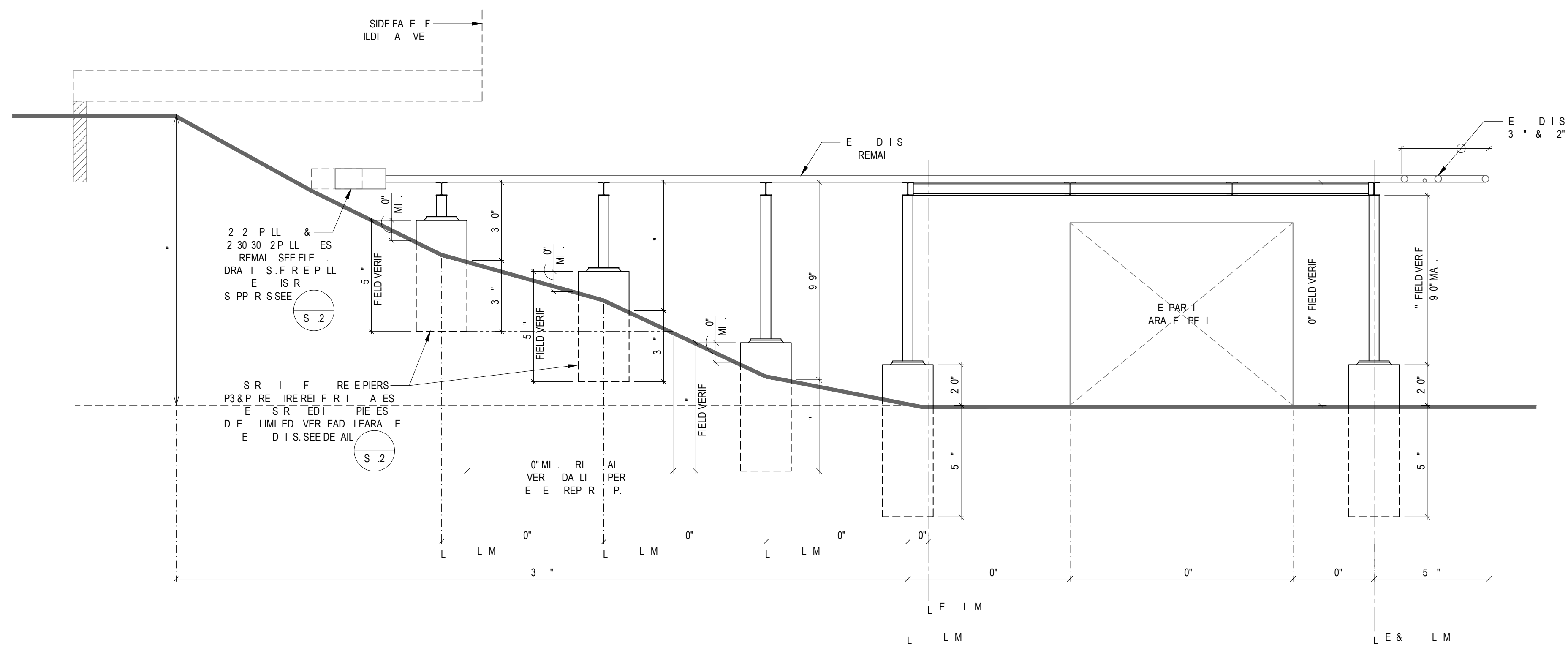
SHEET: 47 OF: 63



ES
FIELD VERIF E IS I DI I S.

1 EXISTING WEST ELEVATION OF GARAGE

S ALE



ES
FIELD VERIF E IS I DI I S.

2 CONDUIT SUPPORT ELEVATION

S ALE

PDF Created on: 11/1/23 at 4:40 PM y FITA TUTOE Filename: H:\PROJECTS\264 MSP ARCHITECTS\23-001 - LAUSD RAISED WALKWAY AT EVANS COMM ADULT SCHOOL\01 - CAD\MECHANICAL\M-1 MECHANICAL FIRST FLOOR PLAN.DWG PLOTTED PAPER SIZE (DRAWING HAS BEEN SCALED IF DIFFERENT), ARCH FULL BLEED D (24.00 X 36.00 INCHES) PLOT SCALE: 1:1 PLOT STYLE: BREEN DESIGN GROUP STB LAST SAVED BY: JMIRAN

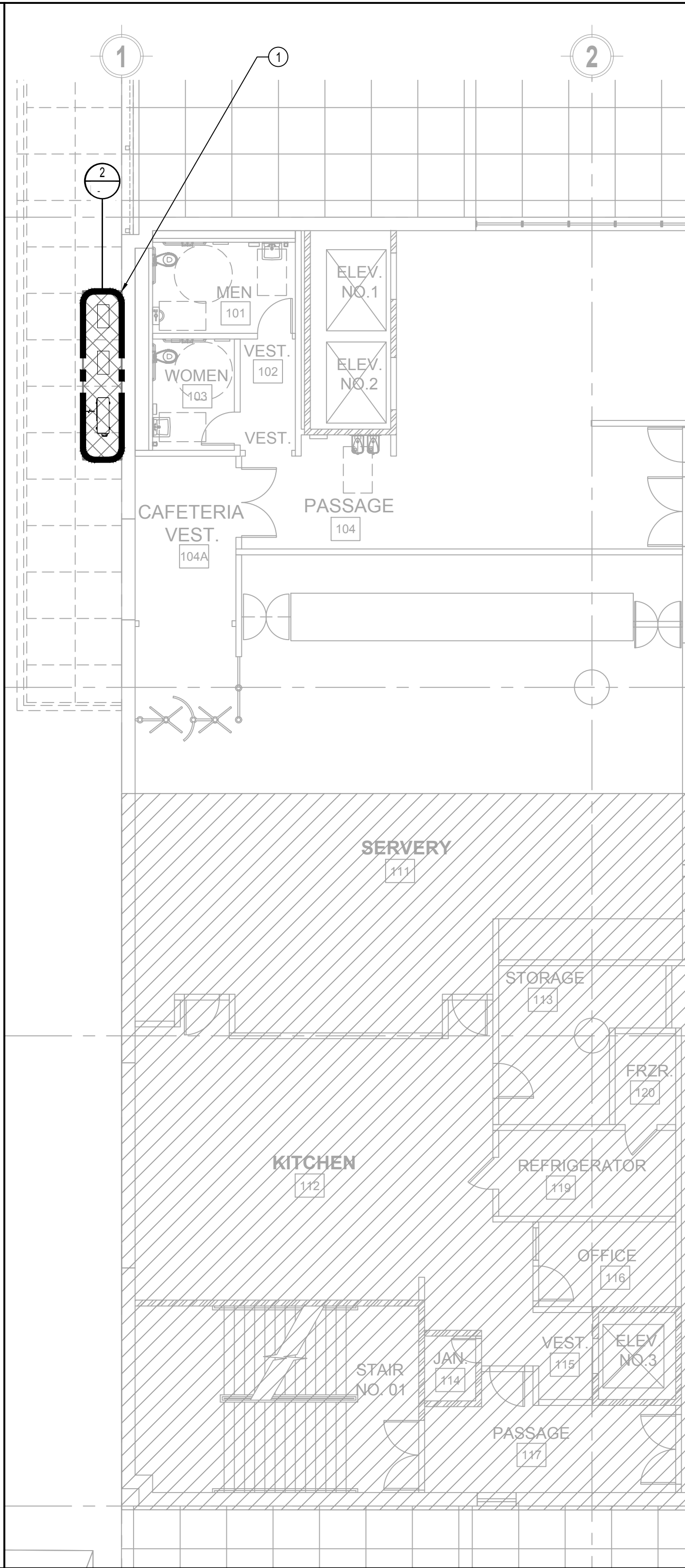
COPYRIGHT ©2023 BREEN DESIGN GROUP



MECHANICAL DETAIL

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

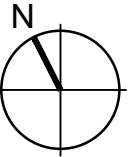
2



FIRST FLOOR PLAN

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

1



DRAWN BY	-
DESIGNED BY	-
CHECKED BY	-
APPROVED BY	PB

REFERENCE NOTES

- 1 PROVIDE TEMPORARY ENCLOSURE, WITH DUST PROTECTION WHICH NEEDS TO BE CLEANED DAILY, FOR HVAC EQUIPMENT DURING DEMOLITION OF THE WALKWAY.

IDENTIFICATION STAMP	
DIV. OF THE STATE ARCHITECT	
APP: 03-123812 INC:	
SS ☒	FLS ☒
DATE: 09/04/2024	ACS ☒



LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL**
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

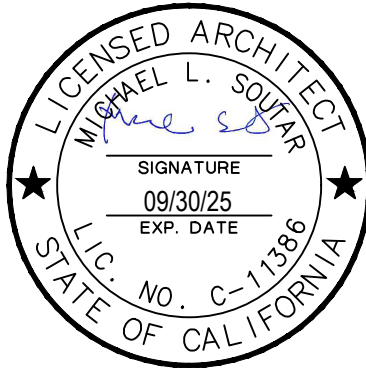
COMMISSIONED ARCHITECT

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STAMPS/SEALS



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SHEET TITLE:

MECHANICAL FIRST FLOOR PLAN

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: SEE QA/QC STAMP CHECKED: SEE QA/QC STAMP
SHEET NUMBER

M-1

SCALE: 1/8" = 1'-0"
DATE: 08.30.23 SHEET: 48 OF: 63

PRINTED DATE: No. 48 of 1, 2023

File name: H:\PROJECTS\264 MSP ARCHITECT\23-001 - LAUSD RAISED WALKWAY AT EVANS COMM ADULT SCHOOL\01 - CADD\ELECTRICAL-1 ELECTRICAL GENERAL NOTES, SYMBOLS LEGEND & SHEET INDEX.DWG
PLOT STYLE: BREEN DESIGN GROUP.STB LAST SAVED BY: FTUTOE

A lica le Code: 2022 CBC

02/05/2022

Re ised: 02/14/2022

MEP Component Anchorage Note

All mechanical, lum ing, and electrical com onents shall e anchored and installed, er the details on the DSA-A ro ed construction documents. The following com onents shall e anchored o raced to meet the force and dis lace ment re urements rescri ed in the 2022 CBC Sections 1617 A.18 through 1617A.1.26 and ASCE 7-16 Cha ters 13, 26, and 30:

1. All ermanent e ui ment and com onents.

2. Tem orary, mo a le or mo ile e ui ment that is ermanently attached (e.g. hard wired) to the uilding utility ser ices such as electricity, gas or water. "Permanently attached" shall include all electrical connections e ce t lugs for 110/220 oltr rece tacles ha ing a fle i le ca le.

3. Tem orary, mo a le or mo ile e ui ment which is hea ler than 400 ounds or has a center of mass located 4 feet or more a o e the adjacent floor or roof le el that directly su ort the com onent is re uired to e restrained in a manner a ro ed y DSA.

The following mechanical and electrical com onents shall e ositi ely attached to the structure ut need not demonstrate design com lance with the reference noted a o e. These com onents shall ha e fle i le connections ro ided etween the com onent and associated ductwor , i ing, and conduit. Fle i le connections must allow mo erment in oth trans erse and longitudinal directions:

A. Com onents weighing less than 400 ounds and ha ing a center of mass located 4 feet or less a o e the adjacent floor or roof le el that directly su ort the com onent.

B. Com onents weighing less than 20 ounds, or in the case of distri uted systems, less than 5 ounds er foot, which are sus ended from a roof or floor or hung from a wall.

The anchorage of all mechanical, electrical and lum ing com onents shall e su ject to the a ro al of the design rofessional in general res onsi le charged or structural engineer delegated res onsi lity and ace tance y DSA. The roject ins ector will erify that all com onents and e ui ment ha e een anchored in accordance with the a o e re urements.

Piping, Ductwork, and Electrical Distribution System Bracing Note

Pl ing, ductwor , and electrical distri ution systems shall e raced to com ly with the forces and dis lace ments rescri ed in ASCE 7-16 Section 13.3 as defined in ASCE 7-16 Sections 13.6.5, 13.6.6, 13.6.7, 13.6.8 and 2022 CBC, Sections 1617A.1.24, 1617A.1.25 and 1617A.1.26.

The method of showing racing and attachments to the structure for the identified distri ution system are as noted elow. When racing and attachments are ased on a re-a ro ed installation guide (e.g. OSHPD OPM for 2013 CBC or later), co ies of the racing system installation guide or manual shall e a aile le on the jo site ro t to the start of and during the hanging and racing of the distri ution systems. The Structural Engineer of Record shall erify the ade uacy of the structure to su ort the hanger and race loads.

Mechanical Pl ing (MP), Mechanical Ducts (MD), Plum ing Pl i ing (PP), Electrical Distri ution Systems (E):

MP MD PP X E

O tion 1: Detailed on the a ro ed drawings with roject s eific notes and details.

MP MD PP E

O tion 2: Shall com ly with the a lica le OSHPD Pre-A ro al (OPM)

FIRE ALARM SYSTEM CONSTRUCTION NOTES

SCHOOL HAS AN EXISTING FIRE ALARM SYSTEM SERVING THE SCHOOL CAMPUS. IT IS THE INTENT TO RE-USE THE EXISTING SCHOOL CAMPUS FIRE ALARM IN THIS CONTRACT (THIS IS A FULLY FIRE SPRINKLER BUILDING).

EXISTING FIRE ALARM SYSTEM "MANUAL PULL STATION REWORK"
CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS AND MATERIAL REQUIRED FOR THE FOLLOWING SCOPE OF WORK:

1. SHALL REMOVE THE EXISTING PULL STATION DEVICE FROM OUTLET BOX AND PROVIDE NEW COVERPLATE.

2. TO MAINTAIN FIRE ALARM SYSTEM ALARM CIRCUITRY CONTINUITY RUNNING TO AND FROM THE OUTLET BOX CONTRACTOR SHALL REMOVE EXISTING FIRE AND PULL NEW ALARM CABLEING AS REQUIRED TO MAINTAIN CONTINUITY OF THE SCHOOL CAMPUS FIRE ALARM SYSTEM INSTALLATION WHICH IS TO REMAIN OPERATIONAL AND IN SERVICE FOR SCHOOL DAILY BUSINESS OPERATION.

3. PROVIDE AND CONDUCT ALL TESTING AS REQUIRED OF THE EXISTING SCHOOL CAMPUS FIRE ALARM SYSTEM AND WORK, INCLUDING ANY RE-PROGRAMMING REQUIRED TO REMOVE THE EXISTING FIRE ALARM MANUAL PULL BEING REMOVED FROM THE EXISTING SYSTEM.

4. PROVIDE FIRE WATCH AS REQUIRED DURING DOWN TIME PERIOD OF THE EXISTING SCHOOL CAMPUS FIRE ALARM SYSTEM DURING CONSTRUCTION.

EXISTING FIRE ALARM SYSTEM "SMOKE DETECTORS ON CEILING REWORK"
CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS AND MATERIAL REQUIRED FOR THE FOLLOWING SCOPE OF WORK:

5. WHERE EXISTING CEILING ARE BEING REPAIRED AND/OR RE-CONSTRUCTED CONTRACTOR SHALL TEMPORARY HANG EXISTING FIRE ALARM DEVICE TO MAKE READY FOR RE-INSTALLATION ONCE THE NEW CEILING WORK HAS BEEN COMPLETED. CONTRACTOR SHALL PROVIDE TEMPORARY DUST-PAINTED COVER WHILE DEICE IS TEMPORARY HUNG.

6. PROVIDE AND CONDUCT ALL TESTING AS REQUIRED INCLUDING RE-PROGRAMMING TO CONFIRM THE FIRE ALARM DEVICES RE-INSTALLATION ARE IN OPERATION DUE TO THE NEW ARCHITECTURAL CEILING INSTALLATION.

7. PROVIDE FIRE WATCH AS REQUIRED DURING DOWN TIME PERIOD OF THE EXISTING SCHOOL CAMPUS FIRE ALARM SYSTEM DURING CONSTRUCTION.

EXISTING FIRE ALARM SYSTEM "NOTIFICATION HORN/STROBE REWORK" (REFER TO APPROVED A 42546 & A 63344)
CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS AND MATERIAL REQUIRED FOR THE FOLLOWING SCOPE OF WORK:

8. ALL EXISTING WALL MOUNTED FIRE ALARM SYSTEM HORN/STROBE TO REMAIN IN PLACE AND IN SERVICE. WHERE NEW FIRE ALARM SYSTEM FLASHER ARE SHOWN, NEW FIRE ALARM FLASHER DEVICE TO MATCH EXISTING.

NON-RESIDENTIAL BUILDING INTERIOR SPACES LIGHTING CONTROL SEQUENCE

1. ALL LIGHTING INSTALLED WITHIN ENCLOSED SPACES SHALL BE CONTROLLED VIA AN AUTOMATIC MOTION SENSOR AND HAVE DIMMING CAPABILITY TO REDUCE LIGHT FIXTURE OUTPUT LEVEL 10%-100% OR 20%-100% DEPENDING ON LIGHT LAMP SOURCE. (NOTE: CONTRACTOR SHALL PROGRAM FIXTURE LUMEN OUTPUT SHALL BE REDUCE TO MINIMUM 20% WHEN SPACE IS UN-OCCUPIED)

2. ALL LIGHTING INSTALLED WITHIN A LARGE ROOM GREATER THAN 250 SQUARE FEET SHALL BE CONTROLLED VIA AN AUTOMATIC MOTION SENSORS OR AUTOMATIC TIME CONTROLS, AND HAVE DIMMING CAPABILITY TO REDUCE LIGHT FIXTURES LUMENS OUTPUT LEVEL 10%-100% OR 20%-100% DEPENDING ON LIGHT LAMP SOURCE. (NOTE: CONTRACTOR SHALL PROGRAM FIXTURE LUMENS OUTPUT SHALL BE REDUCE TO MINIMUM 20% WHEN SPACE IS UN-OCCUPIED)

NON-RESIDENTIAL LIGHTING CONTROLS NOTES

THE INTENT OF THE CONSTRUCTION DOCUMENTS AND THE LIGHTING CONTROLS SHOWN ON THE PLANS IS TO PROVIDE IN THIS CONTRACT A COMPLETE TURN—KEY LIGHTING CONTROL SYSTEM AND/OR CONTROL DEVICES FOR ALL LIGHTING SYSTEMS, REGARDLESS OF THE PART ORDERING NUMBER LISTED ON THE PLANS OR SPECIFICATION. LIGHTING CONTROLS INSTALLATION SHALL INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:

1. THE CONTRACTOR SHALL CONSULT WITH THE AUTOMATIC LIGHTING CONTROLS MANUFACTURER PRIOR TO PLACEMENT OF ORDER TO ENSURE THAT THE AUTOMATIC WALL AND/OR CEILING LIGHTING CONTROL SENSORS, DEVICES, COMPONENT, LOW VOLTAGE WIRING, ETC. PROVIDED WILL OPERATE THE DESIGNATED LIGHTING SHOWN ON THE LIGHTING PLANS AND THAT ALL MATERIAL REQUIRED FOR THE INSTALLATION ARE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND SPECIFICATIONS. CONTRACTOR SHALL PROVIDE COMPLETE SET OF MANUFACTURER SHOP DRAWING AND CUT SHEETS FOR A/E REVIEW AND APPROVAL PRIOR TO ORDERING AND SHIPMENT OF MATERIALS. SUBMITTAL SHALL BE A SEPARATE SUBMITTAL (MINIMUM 4 COPIES).

2. ALL LIGHTING CONTROLS COMMISSIONING, INSPECTIONS (INCLUDING STATE OF CALIFORNIA ENERGY COMMISSION INSPECTION FORMS AND APPLICATIONS), TESTING, PROGRAMMING AND TUNING OF LIGHTING CONTROL SENSORS, DEVICES AND COMPONENT, ETC. SHALL BE INCLUDED IN THE LIGHTING CONTROL PACKAGE AND PRICE. ANY LABOR, TOOLS AND MATERIAL REQUIRED TO PROVIDE A COMPLETE THE LIGHTING CONTROL SYSTEM SHALL BE AT NO EXTRA COST TO THE OWNERS OR END-USERS.

3. THE LIGHTING CONTROLS DESIGN SHOWN ON THE PLANS ARE BASED ON ACUITY BRAND/LCD CONTROLS. ALL AUTOMATIC LIGHTING CONTROLS AND MATERIAL SHALL BE MANUFACTURED BY WATTSTOPPER, OR APPROVED EQUIVAL.

TYPICAL WIRING DIAGRAM FOR RESTROOMS
1 RELAY WITH DIMMING AND 4 RELAY FOR EXHAUST FAN
CONFIRM OF RELAYS PER LIGHTING PLANS

LIGHTING CONTROL LEGEND	
SYMBOL	DESCRIPTION
	LMRC - 211
	LMRC - 101
	LMDC - 100 MOTION SENSOR
	LMDM - 101 ON/OFF/DIM LIGHTING CONTROL 48" A.F.F.
	LOW VOLTAGE CONTROL WIRES

TYP. WIRING DIAGRAM FOR THE INTERLOCK OF LIGHT FIXTURES AND EXHAUST FANS

2

GENERAL NOTES

1. THE DRAWINGS DESCRIBE THE SYSTEMS, FURNISH ALL MATERIAL AND DO ALL WORK REQUIRED AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS UNLESS OTHERWISE NOTED. FURNISH AND INSTALL ALL NEW MATERIAL AND EQUIPMENT AS REQUIRED TO PRODUCE A COMPLETE OPERATING SYSTEM.

2. FOR THE PURPOSE OF CLARITY AND LEGIBILITY, THE ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD.

3. THE SYMBOLS DESIGNATING CONDUIT SIZES AND QUANTITIES OF BRANCH CIRCUIT WIRING DO NOT INCLUDE THE EQUIPMENT GROUNDING CONDUCTOR REQUIRED. INSTALL REQUIRED EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS, SIZE PER CEC 250-122. EQUIPMENT GROUNDING CONDUCTOR SHALL BE GREEN.

4. BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE BUILDING. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER. BY THE ACT OF SUBMITTING A BID PROPOSAL FOR WORK, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH A STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT SHALL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST.

5. REFER TO ALL DRAWINGS FOR ADDITIONAL INFORMATION, EXACT EQUIPMENT LOCATION, MOUNTING HEIGHTS, MOUNTING REQUIREMENTS, AND MAKE ALL FINAL ELECTRICAL CONNECTIONS TO ALL ELECTRICAL EQUIPMENT AS REQUIRED.

6. CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND SPECIFICATIONS. ALL PREMIUM TIME COSTS REQUIRED SHALL BE INCLUDED IN HIS BID. IF CONTRACTOR PROPOSES TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION TO THE OWNER AND ARCHITECT PRIOR TO THE BID. IN WRITING, ALL SUBSTITUTIONS MUST BE REVIEWED BY THE ARCHITECT. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHANGES RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH MAY AFFECT OTHER PARTS OF HIS OWN WORK OR THE WORK OF OTHER CONTRACTORS.

7. PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE CALIFORNIA ELECTRICAL CODE, CEC 2022 AND LOCAL AUTHORITIES HAVING JURISDICTION. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY AND THE MANUFACTURER'S RECOMMENDATIONS.

8. ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE UNDERWRITERS LABEL (UL) AND BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.

9. SUBSTITUTIONS OF SPECIFIED MATERIALS REQUIRE WRITTEN NOTIFICATION BY THE CONTRACTOR AND FORMAL APPROVAL BY THE ARCHITECT.

10. CONDUITS PENETRATING INTERIOR WALLS SHALL BE SEALED IN AN APPROVED MANNER. REFER TO DETAIL B/E-2.

11. EQUIPMENT GROUNDING CONDUCTOR SHALL BE GREEN.

12. ALL DEVICES INSTALLED OUTSIDE OR SUBJECT TO WATER SPRAY SHALL BE APPROVED FOR WET LOCATION. ALL DEVICES SUBJECT TO VAPORS, STEAM AND MOISTURE SHALL BE APPROVED FOR DAMP LOCATION. FOR WALL MOUNTED OUTLETS EXACT LOCATION AND MOUNTING HEIGHTS, REFER TO ARCHITECTURAL DRAWINGS INTERIOR ELEVATIONS IF PROVIDED.

13. NOT USED.

14. BUILDING GROUNDING SYSTEM NOT EXCEED EARTH RESISTANCE OF 25 OHMS.

15. IN ADDITION TO JUNCTION BOXES INDICATED ON DRAWINGS, INSTALL JUNCTION BOXES AND PULL BOXES FOR CABLE SPLICES, CABLE PULLING AND CONNECTIONS NECESSARY FOR THE INSTALLATION OF A COMPLETE OPERATING SYSTEM. JUNCTION BOXES AND PULL BOXES SHALL BE ACCESSIBLE. LABEL JUNCTION BOXES AND PULL BOXES WITH APPROPRIATE DESIGNATION, MAXIMUM (3) 90 BENDS.

16. INSTALLATION OF 600 VOLTS CONDUCTORS, SHALL BE CONTINUOUS BETWEEN OUTLETS OR JUNCTION BOXES. MAKE SPICES IN OUTLET BOXES, PULLBOXES, GUTTERS AND/OR PANELBOARD. DO NOT SPLICE PANELBOARD FEEDERS UNLESS OTHERWISE NOTED.

17. FEEDER AND/OR BRANCH CIRCUITRY CONDUITS SHALL BE RIGID METAL CONDUITS UNLESS OTHERWISE NOTED. STEEL FLEXIBLE CONDUITS FOR SHORT EQUIPMENT CONNECTIONS, EQUIPMENT CONNECTIONS SUBJECT TO VIBRATIONS AND EQUIPMENT LOCATED OUTSIDE OR SUBJECT TO WATER SPRAY SHALL HAVE CONNECTIONS WITH LIQUID-TIGHT CONDUIT AND WEATHERPROOF COMPONENTS. LENGTH IS LIMITED TO SIX FEET. PROVIDE EQUIPMENT GROUNDING CONDUCTOR SIZE PER CEC 2022 TABLE 250-122.

18. PAINT ALL NEW EXPOSED ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTINGS TO MATCH ADJACENT FINISHES. EXPOSED CONDUIT RUNS SHALL BE INSTALLED AS CLOSE AS POSSIBLE TO THE CEILING.

19. NOT USED.

20. UNLESS OTHERWISE NOTED PROVIDE COPPER CONDUCTORS:

- PROVIDE COPPER CONDUCTORS, SIZE 12 AWG AND SMALLER SHALL BE SOLID CONDUCTORS UNLESS OTHERWISE NOTED.

- PROVIDE COPPER CONDUCTORS, SIZE 10 AWG AND LARGER SHALL BE STRANDED D CONDUCTORS UNLESS OTHERWISE NOTED.

19. PROVIDE STRANDED CONDUCTORS 10 AWG AND LARGER UNLESS OTHERWISE NOTED.

20. USE CONDUCTORS WITH THHN/THWN 600 VOLTS INSULATION FOR SIZES 6 AWG AND SMALLER, UNLESS OTHERWISE NOTED. CONDUCTORS 4 AWG AND LARGER SHALL BE THW INSULATION, UNLESS OTHERWISE NOTED.

21. DELIVER ALL CONDUCTORS TO THE JOB SITE IN ORIGINAL UNBROKEN CARTON OR REEL, PROPERLY TAGGED WITH U.L. LABEL, SIZE, MANUFACTURER'S TRADE NAME AND THE DATE MANUFACTURED.

22. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN WORK AREA CLEAR OF DEBRIS ON DAILY BASIS DURING CONSTRUCTION.

23. ALL UTILITIES HOOKUPS REQUIRED DURING OFF HOURS WILL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST.

TERMS AND ABBREVIATIONS

ABBR.	DESCRIPTION
	AT
A	AMPERES
ABV	ABOVE
A.F.F.	ABOVE FINISHED FLOOR
APPARATUS	INDICATES SWITCHGEARS, DISTRIBUTION BOARDS, TRANSFORMERS, ETC.
CB	CIRCUIT BREAKER
C.O.	CONDUIT ONLY
DN	DOWN
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEC	ELECTRIC OR ELECTRICAL
EMERG.	EMERGENCY
EQUIP.	EQUIPMENT
(E)	EXISTING
EXT.	EXTERIOR
FA	FIRE ALARM
FDR.	FEEDER, INDICATES CONDUIT AND CONDUCTORS
FLA	FULL LOAD AMPERES
FLR	FLOOR
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSEPOWER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
I.G.	ISOLATED GROUND
JB	JUNCTION BOX
KVA	KILOVOLT AMPERES
KW	KILOWATT
MFR.	MANUFACTURER
(N)	PROVIDE NEW DEVICE OR EQUIP.
NA	NOT APPLICABLE
N/A	NON-AUTOMATIC
N.T.S.	NOT TO SCALE
PB	PULLBOX
REQ'D	REQUIRED
SQ. FT.	SQUARE FEET
STD.	STANDARD
SYS.	SYSTEM
TYP.	TYPICAL
U.G.	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
V.D.	VOLTAGE DROP
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
X	EXISTING TO REMAIN
XR	EXISTING TO BE REMOVED
XRR	EXISTING TO BE REMOVED AND REPLACED

CODES AND STANDARDS

CODES AND PERMITS: ALL EQUIPMENT, INSTALLATION, ETC., SHALL CONFORM TO LOCAL ELECTRICAL, MECHANICAL AND OTHER APPLICABLE CODES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS. COPIES OF ALL PERMITS AND INSPECTION REPORTS SHALL BE SUBMITTED TO THE ARCHITECT. CODES INCLUDE BUT NOT LIMITED TO:

TITLE 24, PART 2, CCR (2022 CALIFORNIA BUILDING CODE W/AMENDMENTS),
TITLE 24, PART 3, CCR (2022 CALIFORNIA ELECTRICAL CODE W/AMENDMENTS),
TITLE 24, PART 4, CCR (2022 CALIFORNIA MECHANICAL CODE W/AMENDMENTS),
TITLE 24, PART 5, CCR (2022 CALIFORNIA PLUMBING CODE W/AMENDMENTS),
TITLE 24, PART 9, CCR (2022 CALIFORNIA FIRE CODE W/AMENDMENTS),
CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS & INSPECTIONS.

DRAWN BY	FT,CVK
DESIGNED BY	FT,CVK
CHECKED BY	CVK
APPROVED BY	DM

INTERCOM SYSTEM BOX WALL MOUNTED DETAIL

2

ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
	EXIT LIGHT FIXTURE, WALL MOUNTED.
	EXIT LIGHT FIXTURE, CEILING OR PENDANT MOUNTED.
	GROUNDING TYPE DUPLEX RECEPTACLE, 20A NEMA 5-20R, WALL MOUNTED.
	DOUBLE DUPLEX CONVENIENCE OUTLET, WALL MOUNTED 15" A.F.F. TO BOTTOM OF BOX (U.O.N.)
	GROUNDING TYPE DUPLEX RECEPTACLE, 20A NEMA 5-20R, WALL MOUNTED. USB DENOTES COMBO ELECTRICAL AND USB CHARGER OUTLET (MFR. BY COOPER TR740R OR EQUAL).
	20A GFCI WEATHER PROOF RECEPTACLE MOUNTED ON ROOF
	CEILING MOUNTED JUNCTION BOX, 4S TYPE UNLESS OTHERWISE NOTED.
	COMBINATION TELEVISION OUTLET AND DUPLEX RECEPTACLE 66" (U.O.N.).
	TELEPHONE OUTLET, WALL MOUNTED 15" C A.F.F.
	DATA OUTLET, WALL MOUNTED 15" C A.F.F.
	COMBINED TELEPHONE & DATA OUTLET 15" C A.F.F.
	TOGGLE SWITCH, 4-0" SUFFIX ON SWITCH SYMBOLS SHALL INDICATE THE FOLLOWING: NO SUFFIX SINGLE POLE 2 2 POLE 3 3 WAY K KEY OPERATED R SPOT MOMENTARY CONTACT SWITCH P WITH PILOT LIGHT a, c,d, ETC. INDICATES FIXTURE CONTROLLED
	30A/2P OR 60A/2P MOTOR RATED TOGGLE TYPE DISCONNECT SWITCH TO BE MOUNTED ON HVAC/PLUMBING EQUIPMENT.
	FLEXIBLE CONNECTION TO EQUIPMENT.
	SURFACE MOUNTED CABINET OR EQUIPMENT AS NOTED.
	FLUSH MOUNTED CABINET OR EQUIPMENT AS NOTED.
	SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD.
	FLUSH MOUNTED BRANCH CIRCUIT PANELBOARD.
	SWITCHBOARD, DISTRIBUTION BOARD.
	TELEPHONE PLYWOOD BACKBOARD SIZE AS INDICATED ON PLANS.
	CONDUIT RUN IN OR BELOW FLOOR SLAB OR UNDERGROUND - 3/2". MINIMUM.
	CONDUIT RUN CONCEALED IN WALL OR ABOVE FINISHED CEILING - 3/2".
	CONDUIT RUN EXPOSED.
	WIRE SIZE OTHER THAN 12, 10 OR 8 IS NOTED ON EACH CONDUIT RUN WITH SIZE OF CONDUIT (I.E. 3/6 - 1"). SEE GENERAL NOTE 42.
	EMERGENCY LIGHTING SYSTEM BRANCH CIRCUITRY CONDUIT RUN.
	HASH MARKS INDICATES THE QUANTITY OF CONDUCTORS REQUIRED. NO HASH MARKS INDICATES 2 12 AWG. CONDUCTORS LARGER THAN SIZE 12 AWG ARE INDICATED NEXT TO HASH MARKS.
	INDICATES HOMERUN TO PANEL, CIRCUITS 1,3,5 WITH SHARED NEUTRAL
	INDICATES HOMERUN TO PANEL, CIRCUITS 2,4,6 WITH SEPARATE NEUTRAL
	INDICATES REFERENCE TO PANELBOARD P1A.
	ELECTRICAL FEEDER DESIGNATION.
	EXHAUST FAN.
	SIGNAL SYSTEM COMMUNICATION BACKBOARD DESIGNATION.
	REFERENCE NOTE DESIGNATION.
	METERING AND TEST BLOCKS AS REQUIRED BY THE UTILITY SERVING AGENCY.
	CIRCUIT BREAKER.
	GROUND.
	MOTOR (NUMBER INSIDE SYMBOL DESIGNATES HP OF MOTOR).

NOTE: FOR ADDITIONAL SYSTEM SYMBOLS AND WIRING LEGEND REFER TO SITE PLANS AND RISER DIAGRAMS.

REFERENCE NOTES

1 10 S.M.S AT 24" O.C. (MAX) AND CORNER OF FIXTURE.

2 600S125-43 METAL STUD BLOCKING. CUT FLANGES AND BEND WEB AT EACH END TO ATTACH TO CEILING JOIST W/3- 10 S.M.S. COORDINATE ALL WORK WITH DETAIL 9 & 12 ON SHEET A-94.

SURFACE MOUNTED LIGHTING DETAIL

1

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 03-123812 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024

LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
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PROJECT TITLE AND SCHOOL LOCATION

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COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT

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STAMPS/SEALS

100% SUBMITTAL

SHEET TITLE:

ELECTRICAL GENERAL NOTES
SYMBOLS LEGEND & SHEET INDEX

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: SEE QA/QC STAMP CHECKED: SEE QA/QC STAMP

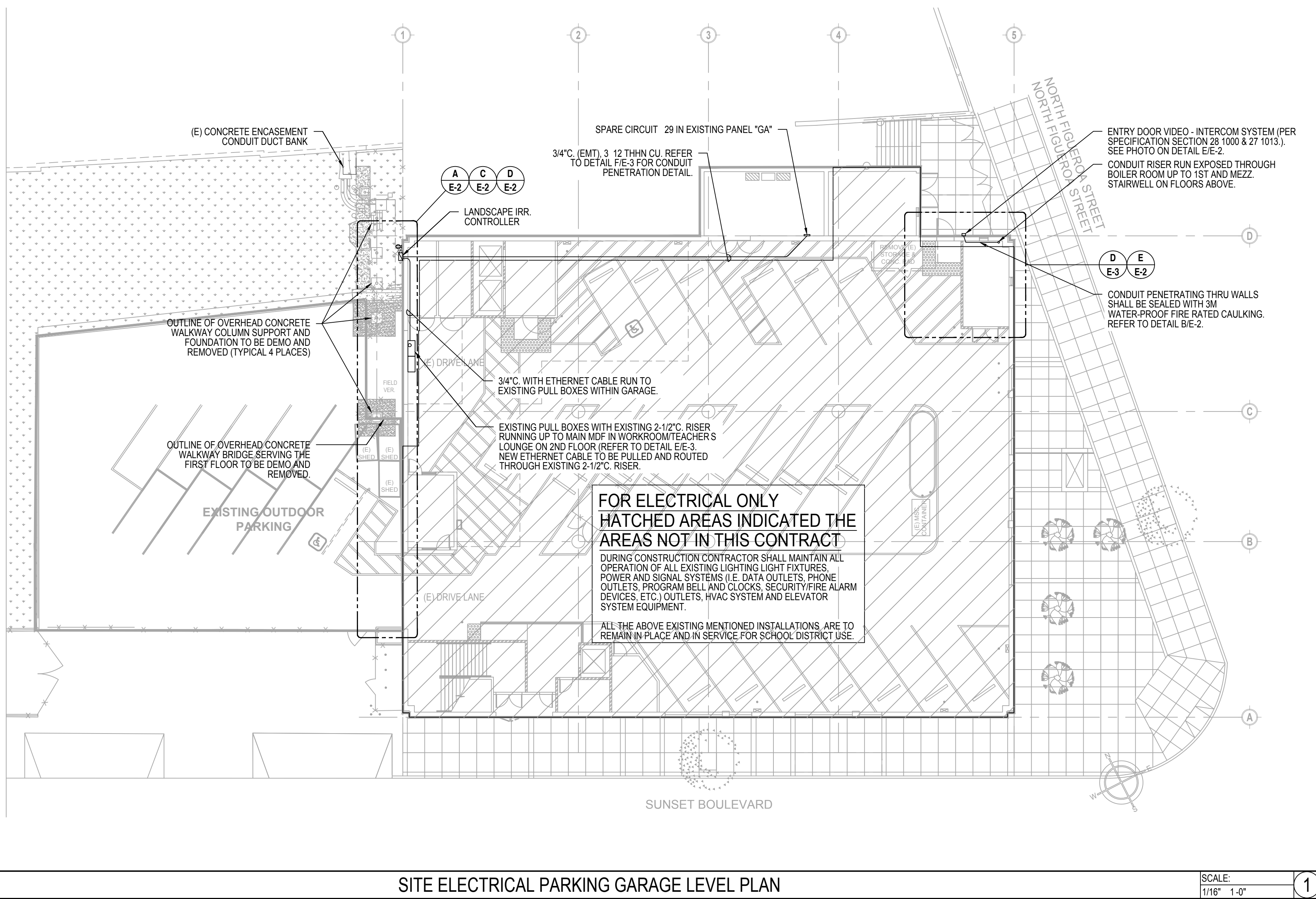
SHEET NUMBER

E-1

SCALE:

DATE: 03.12.24 SHEET: 49 OF: 63

PRINTED DATE: March 12, 2024



SITE ELECTRICAL PARKING GARAGE LEVEL PLAN

SCALE: 1/16\"/>

WALKWAY BRIDGE DEMO/CONSTRUCTION NOTES

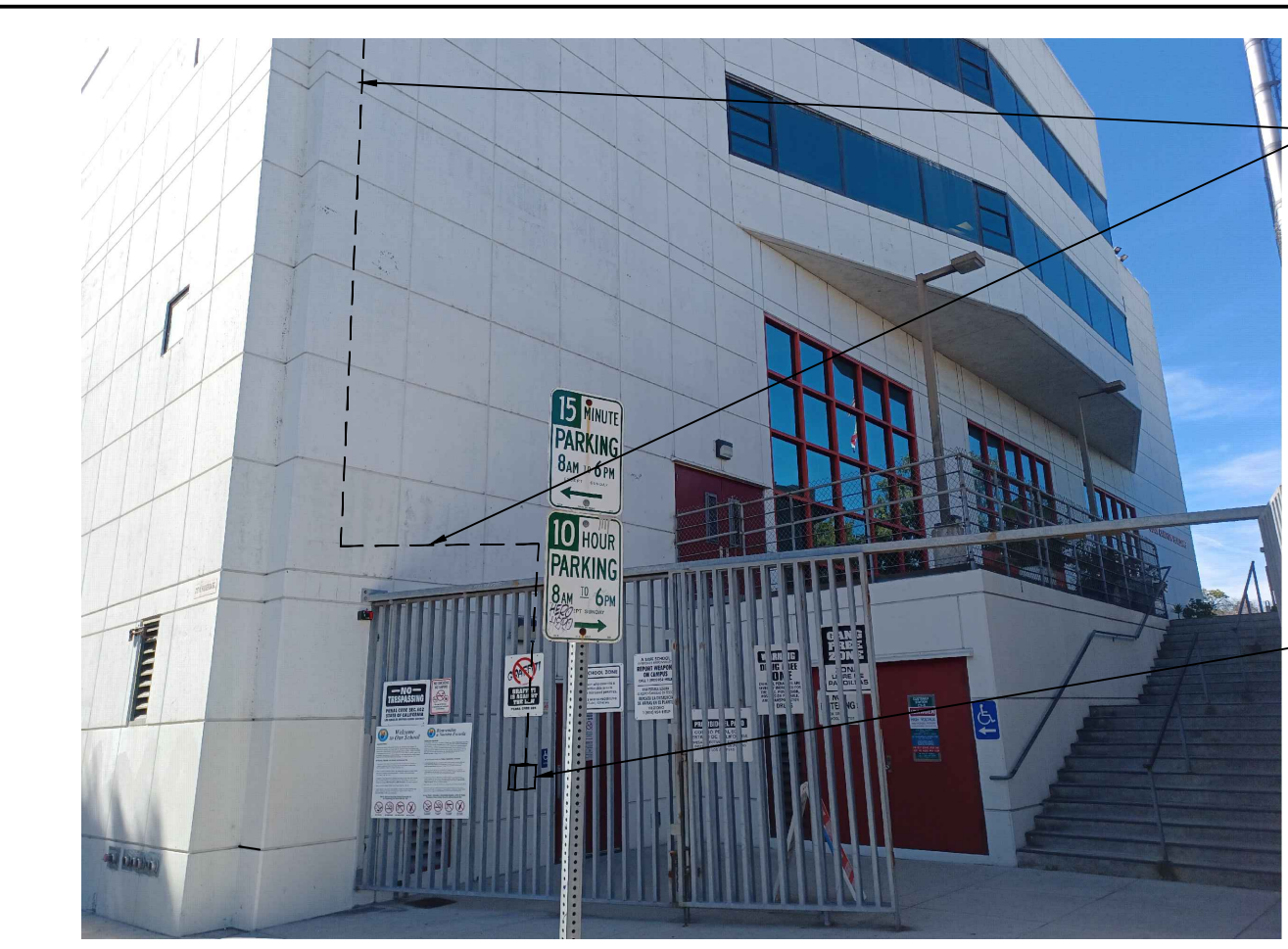
SCOPE OF WORK IN THIS CONTRACT IS TO DEMO AND REMOVE THE EXISTING EXTERIOR CONCRETE WALKWAY BRIDGE SERVING THE FIRST FLOOR LEVEL. IT IS THE EXTENT OF THIS CONTRACT TO MAINTAIN FOR USE SCHOOL CAMPUS DURING DEMOLITION OF THE EXISTING CONCRETE WALKWAY ALL THE EXISTING SIGNAL SYSTEM CONDUITS RACEWAYS, ELEVATOR AND HVAC SYSTEM EQUIPMENT CURRENTLY LOCATED UNDER THE EXISTING WALKWAY. CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS AND MATERIAL REQUIRED FOR THE TO PROTECT FOLLOWING EXISTING INSTALLATION:

- CONTRACTOR SHALL PROTECT IN PLACE THE EXISTING SIGNAL SYSTEM CONDUITS AND PULL BOX INSTALLATION. CONTRACTOR SHALL INCLUDE IN HIS BID THE TEMPORARY SCAFFOLDING AND LIFT JACKS REQUIRED TO SUPPORT OF EXISTING CONDUIT RACEWAYS AND PULL BOXES WHILE WALKWAY IS BEING DEMO, AND PROTECT IN PLACE THE ABOVE MENTIONED INSTALLATION WITH PLYWOOD BARRIER OR CHAIN LINK FENCING PLACE OVER CONDUITS AND PULL BOXES DUE TO FALLING DEBRIS AND MATERIAL.
- WHEN THE EXISTING WALKWAY IS BEING DEMO AND BEFORE DEMO CONSTRUCTION COMMENCES, CONTRACTOR SHALL PROTECT IN PLACE THE EXISTING ELEVATOR REMOTE RADIATORS AND HVAC CONDENSING UNIT EQUIPMENT INSTALLATION. CONTRACTOR SHALL INCLUDE IN HIS BID THE TEMPORARY CHAIN LINK FENCING ALONG WITH PLASTIC TARP COVERING TO PROTECT IN PLACE THE ABOVE MENTIONED INSTALLATION FROM DUST AND FALLING DEBRIS AND MATERIAL. REFER TO SHEET M-1 FOR ADDITIONAL SCOPE OF WORK.
- CONTRACTOR SHALL DEMO AND REMOVE EXISTING LIGHTING FIXTURE OUTLET BOXES AND CONDUIT WIRES BRANCH CIRCUITRY CURRENTLY LOCATED ON THE UNDERSIDE SIDE THE THE WALKWAY.

GENERAL NOTES

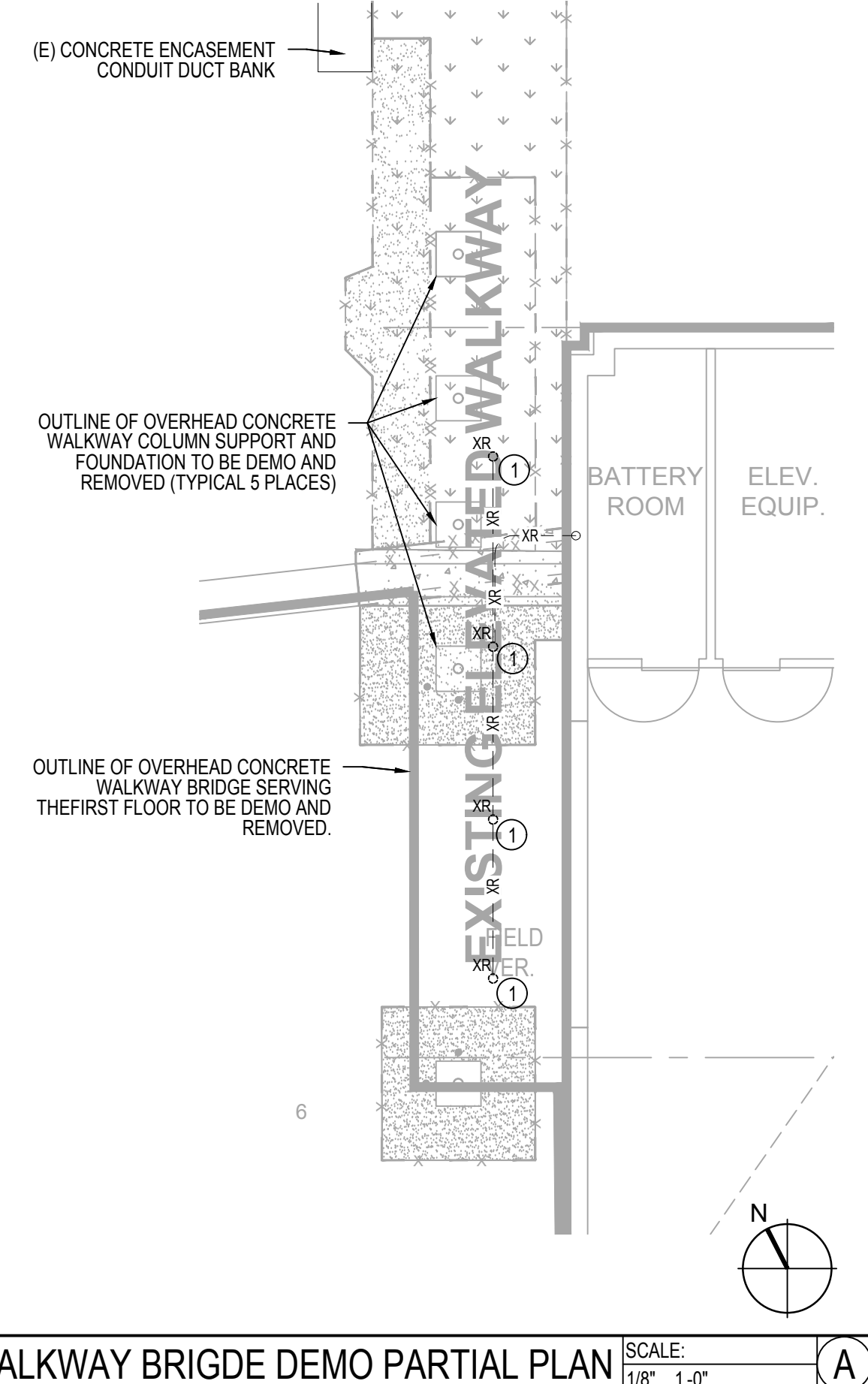
- FOR CONSTRUCTION AND INSTALLATION OF NEW OF CONDUIT SUPPORT COLUMN AND CHANNEL REFER TO STRUCTURAL PLANS.
- NOT USED.
- REFER TO SHEET S-3.1 FOR NEW STEEL SUPPORT SYSTEM FOR EXISTING CONDUITS AND JUNCTION/PULL BOXES. SEE DETAIL 8/S-1.1 FOR EXISTING CONDUIT ANCHORAGE TO STEEL BEAMS. SEE DETAIL 2/S-3.1 AND DETAIL 7/S-1.2 FOR EXISTING JUNCTION/PULL BOXES ANCHORAGE.
- FOR THE CONNECTION AND INSTALLATION OF LANDSCAPE CONTROLLER. PROVIDE WEATHERPROOF 2-GANG BOX (WITH GFCI DUPLEX RECEPTACLE & 1PST DISCONNECT SWITCH) WITH COVERPLATE.
- CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS AND MATERIAL REQUIRED TO REMOVE EXISTING LV WIRING FROM EXISTING CONDUIT SYSTEMS, RE-PULL AND RE-CONNECT EXISTING LOW VOLTAGE WIRING THROUGH EXISTING CONDUIT SYSTEM ONCE THE NEW FLEX CONNECTORS HAVE BEEN INSTALLED.

SCOPE OF WORK SHALL INCLUDE VERIFYING IN FIELD THE EXISTING LV CABLING WITHIN EACH CONDUIT SYSTEM. CONTRACTOR SHALL ALLOW IN HIS BID COST 32,000.00 FOR THE ABOVE MENTIONED SCOPE OF WORK TO RE-PULL AND RECONNECT TO MATCH THE EXISTING LOW VOLTAGE WIRING. WHERE EXISTING CABLING GET DAMAGED DUE TO RE-PULLING OF EXISTING CABLING THROUGH EXISTING CONDUIT SYSTEM, CONTRACTOR SHALL RE-PLACE CABLING WITH NEW.



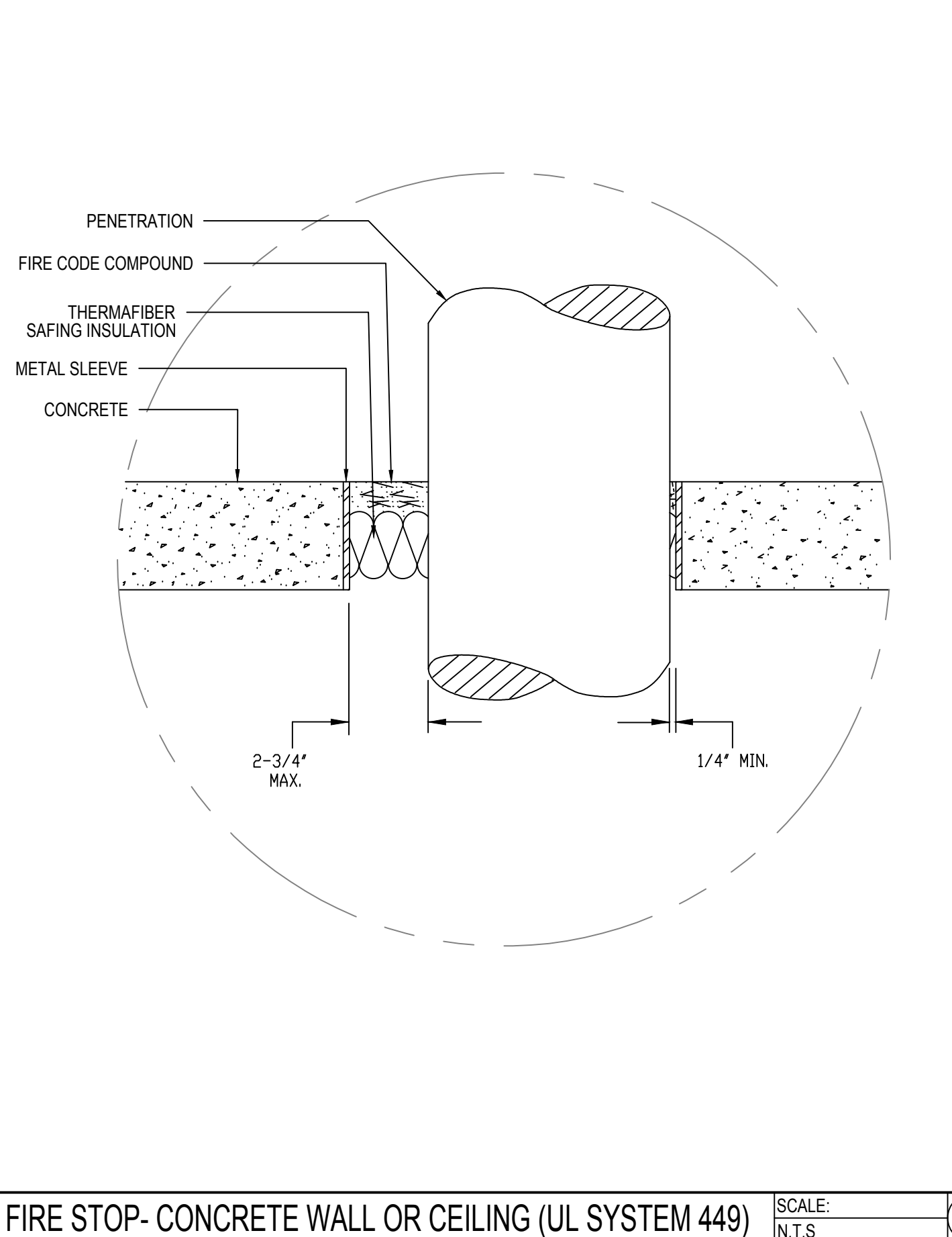
INTERCOM SYSTEM MOUNTING DETAIL

SCALE: N.T.S.



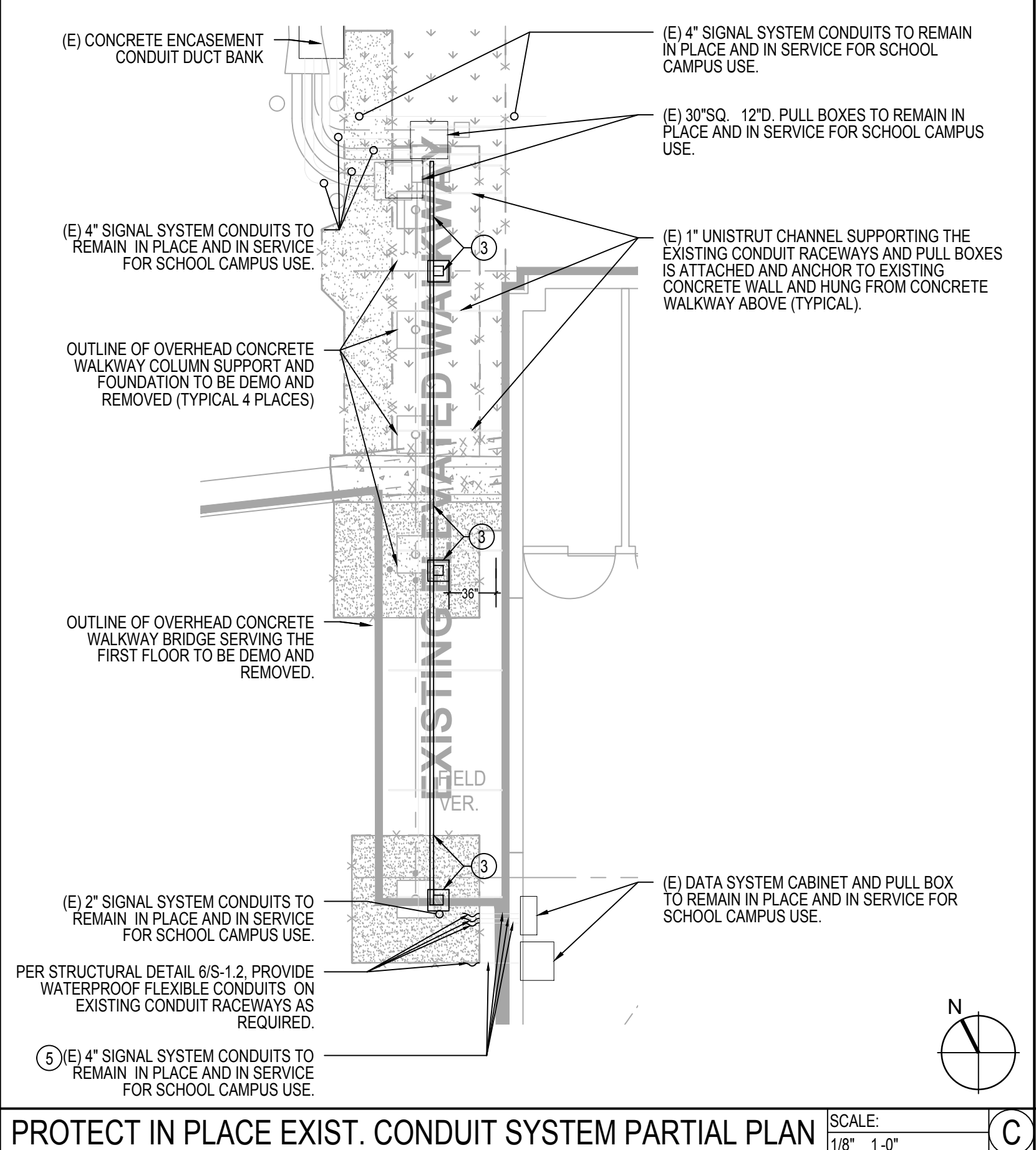
WALKWAY BRIDGE DEMO PARTIAL PLAN

SCALE: 1/16\"/>



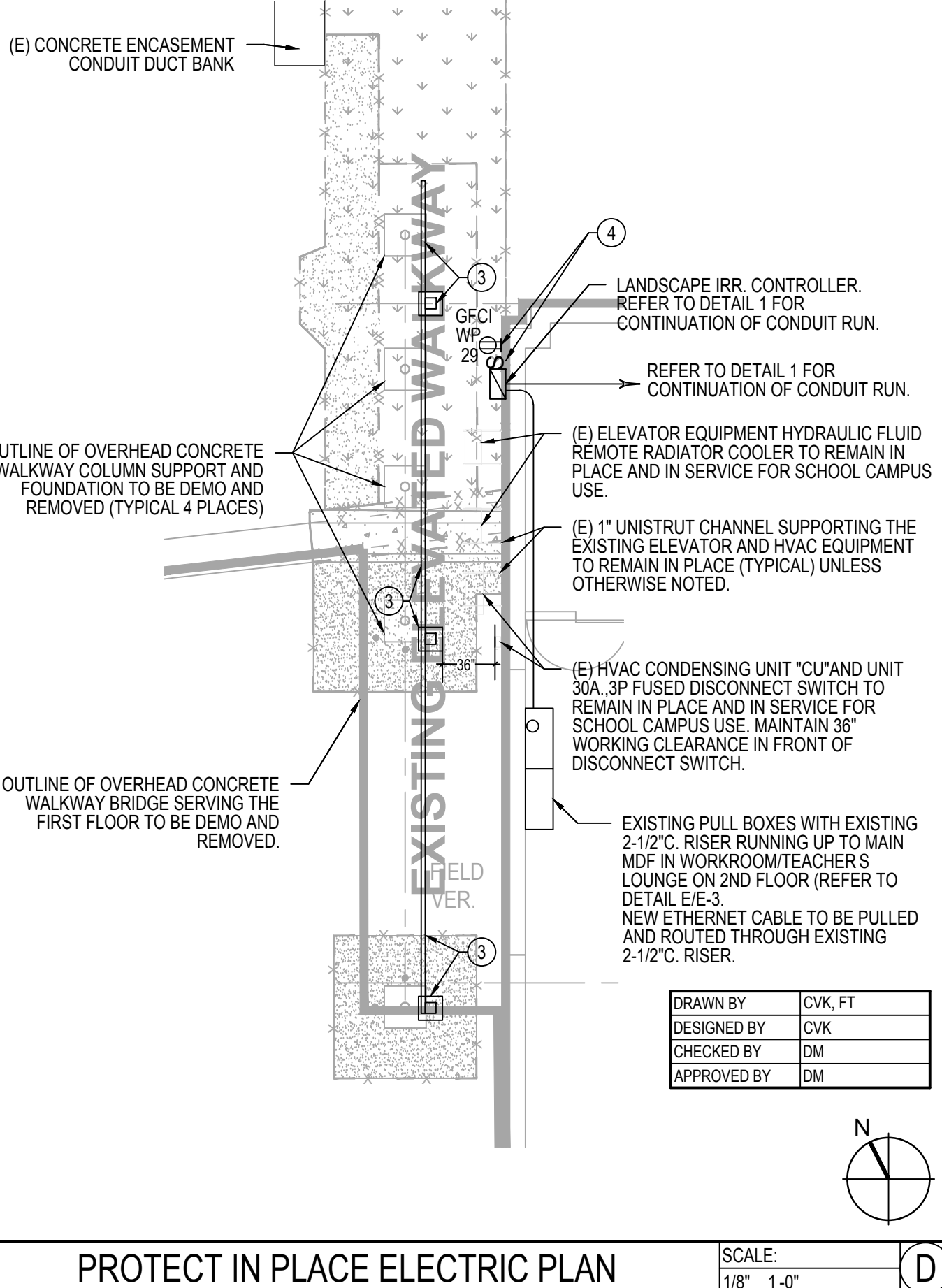
FIRE STOP - CONCRETE WALL OR CEILING (UL SYSTEM 449)

SCALE: N.T.S.



PROTECT IN PLACE EXIST. CONDUIT SYSTEM PARTIAL PLAN

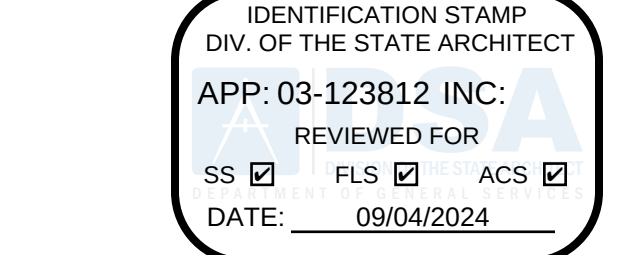
SCALE: 1/16\"/>



PROTECT IN PLACE ELECTRIC PLAN

SCALE: 1/8\"/>

DRAWN BY	CVK FT
DESIGNED BY	CVK
CHECKED BY	DM
APPROVED BY	DM



LOS ANGELES UNIFIED SCHOOL DISTRICT

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ADA UPGRADES AND
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COLIN NUMBER: 10372448

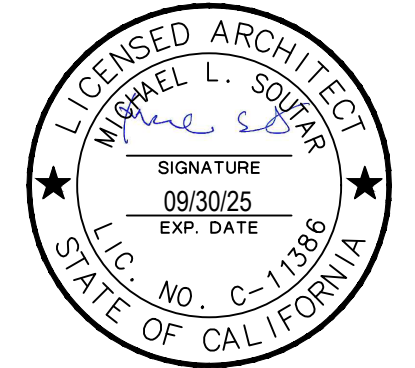
COMMISSIONED ARCHITECT

Architects McDonald, Soutar & Paz, Inc.
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ARCHITECTSMSP.COM

CONSULTANT



STAMPS/SEALS



100% SUBMITTAL

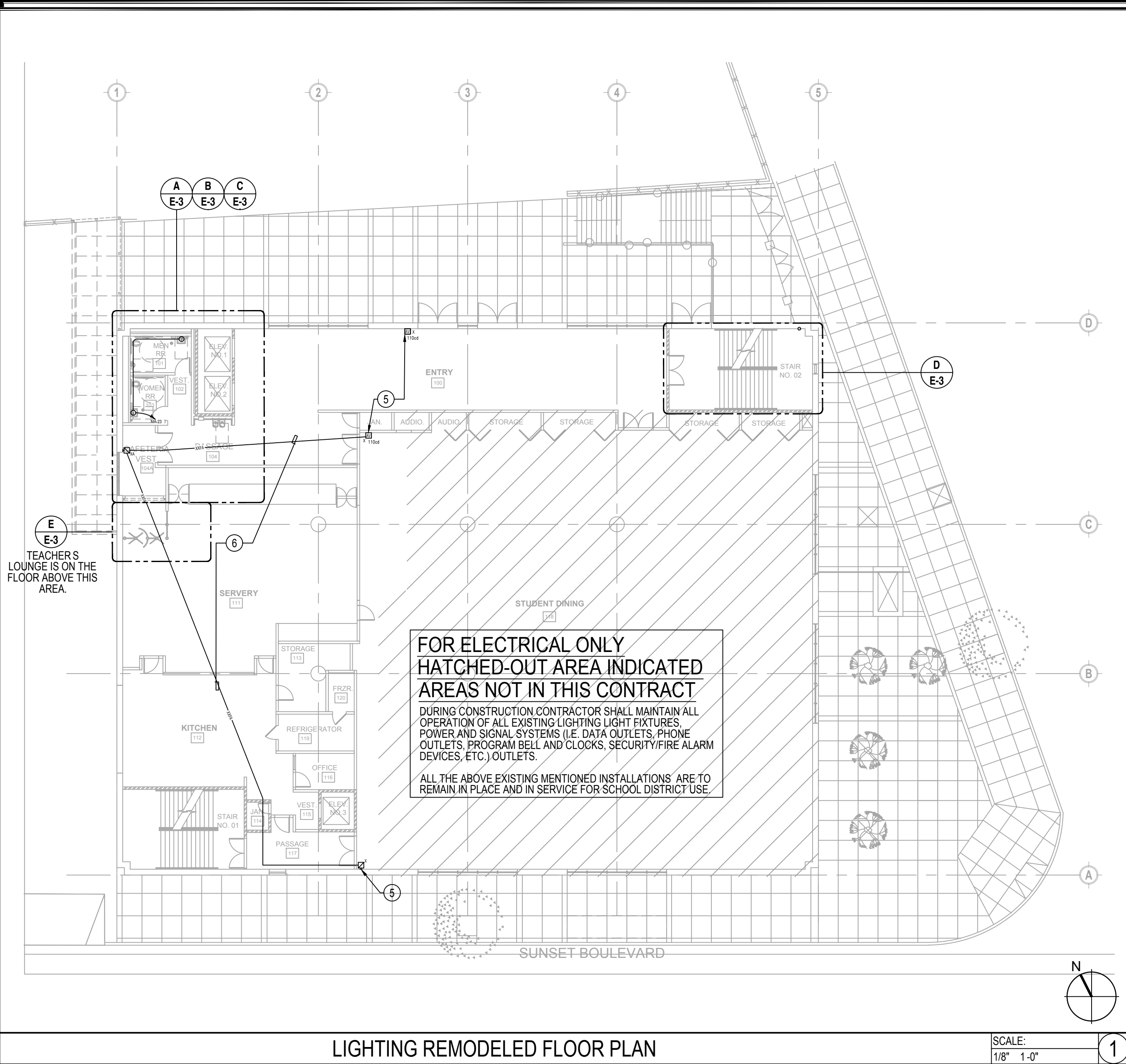
SHEET TITLE:

GARAGE LEVEL ELECTRICAL PLAN

MSP PROJECT NO.: 22-1322	PROJECT ARCH: MSP
DRAWN: SEE QA/QC STAMP	CHECKED: SEE QA/QC STAMP
SHEET NUMBER	

E-2

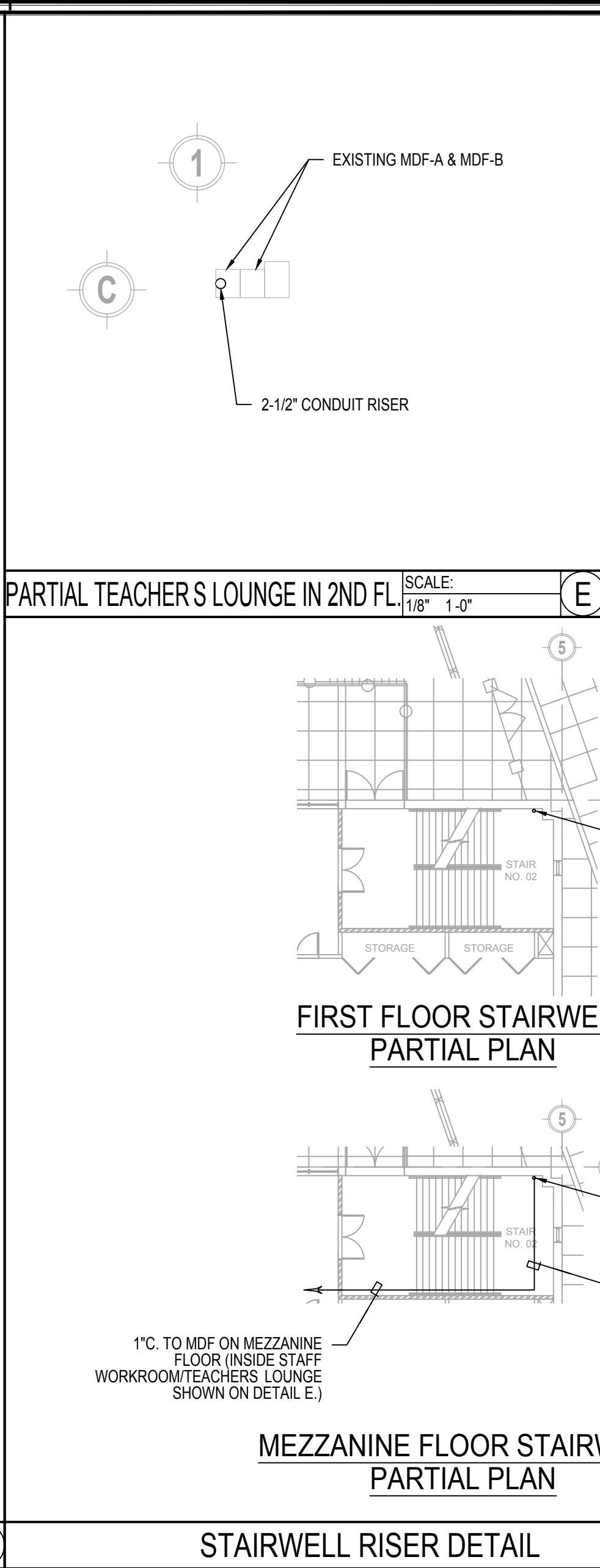
SCALE: 1/16\"/>	
DATE: 03.12.24	SHEET: 50 OF: 63



LIGHTING REMODELED FLOOR PLAN

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

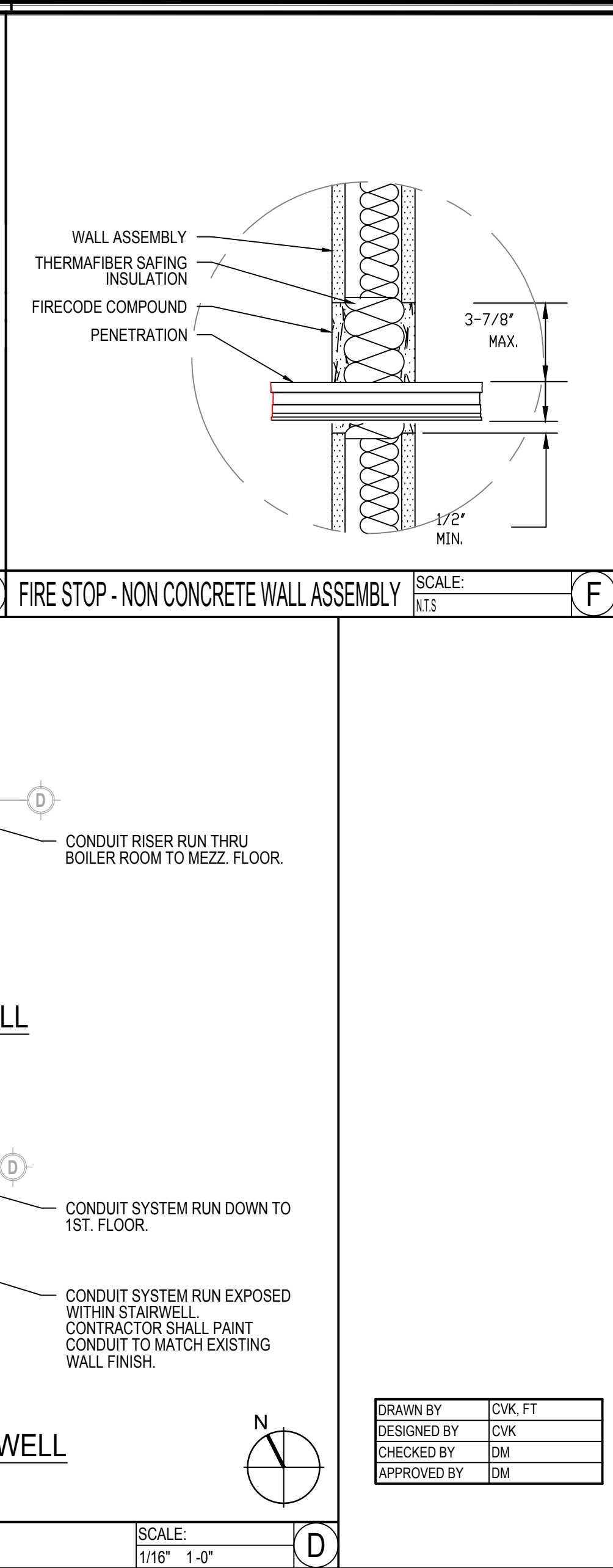
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STAIRWELL RISER DETAIL

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

D



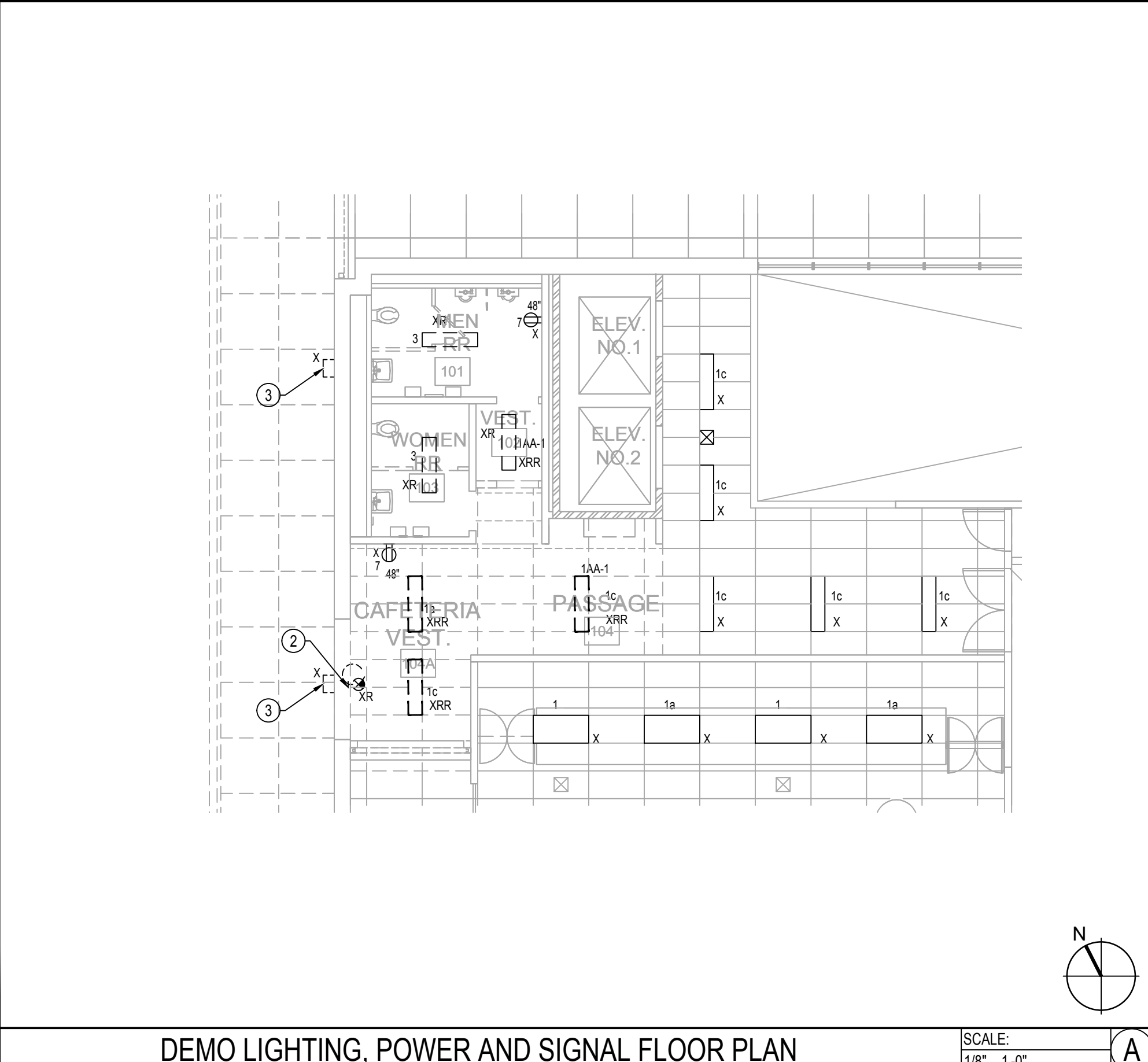
GENERAL NOTES

- ALL NEW BRANCH CIRCUITRY (CONDUIT AND WIRES) AND LOW VOLTAGE LIGHTING CONTROL WIRING TO BE RUN CONCEALED IN WALL OR ABOVE CEILING WHEREVER POSSIBLE. THE USE OF SURFACE MOUNTED CONDUIT INSTALLATION OR WIREMOLD WILL NOT BE ALLOWED.
- SPECIAL EXCEPTION: SURFACE MOUNTED INSTALLATION MAY BE ALLOWED IF THE EXISTING CONSTRUCTION CONDITION EXIST:
- EXISTING SOLID CONCRETE WALL.
- EXISTING WALL EXTERIOR WINDOW AREAS
- EXPOSED CEILING AREAS.
- WHERE EXISTING WALL OR CEILING ARE CUT AND /OR DAMAGE DUE TO THE INSTALLATION OF NEW BRANCH CIRCUITRY (CONDUIT/SIRES), LIGHT FIXTURES, WALL POWER AND SIGNAL OUTLETS, ETC. CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS AND MATERIAL REQUIRED TO PATCH AND REPAIR WALL AND CEILING. ALL REPAIR WORKS SHALL MATCH EXISTING WALL AND CEILING CONDITION AND FINISHES.
- RESTROOM LIGHTS AND EXHAUST FANS SHALL BE INTERLOCKED.

REFERENCE NOTES

- UNLESS OTHERWISE NOTED, FROM THE EXISTING LIGHTING OR POWER OUTLET CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS AND MATERIAL REQUIRED TO EXTEND NEW BRANCH CIRCUITRY (CONDUIT AND WIRES) TO NEW LIGHTING AS SHOWN.
- DEMO AND REMOVE EXISTING EXIT SIGN. CONTRACTOR SHALL PROVIDE BLANK COVERPLATE (WHITE FINISH) OVER EXISTING OUTLET BOX.
- EXISTING WALL MOUNTED HID EXTERIOR LIGHT TO REMAIN FOR DISTRICT S USE.
- EXISTING FIRE ALARM MANUAL PULL STATION TO BE MODIFY- SEE FIRE ALARM SYSTEM CONSTRUCTION NOTES ON SHEET E-1.
- EXISTING FIRE ALARM MANUAL PULL STATION TO REMAIN IN PLACE AND IN OPERATION FOR SCHOOL DISTRICT USE - SEE FIRE ALARM SYSTEM CONSTRUCTION NOTES ON SHEET E-1.
- CONTRACTOR SHALL REMOVED EXISTING FIRE ALARM CABLING AND PULL NEW FIRE ALARM CABLING AS REQUIRED TO MAINTAIN CONTINUITY BETWEEN EXISTING ALARM DEVICES. NEW CABLING PROVIDED SHALL MATCH EXISTING FIRE ALARM CABLING - SEE FIRE ALARM SYSTEM CONSTRUCTION NOTES ON SHEET E-1.
- RESTROOM LIGHTS AND EXHAUST FANS SHALL BE INTERLOCKED. REFER TO DETAIL 2E-1.
- PROVIDE SURFACE MOUNTED TYPE A-2 4 LED FIXTURE WITH DIMMING DRIVER AND EMERGENCY BATTERY PACK. (MFR. BY PRUDENTIAL: P3624-LED3-SO-WA-TMW-SC-UNV-SUR-X3-DM01-EMHE) OR LAUSD APPROVED EQUAL. REFER TO DETAIL 1E-1 FOR MOUNTING DETAIL.
- NOTE: CONTRACTOR SHALL PROVIDE DISTRICT APPROVED FIXTURE. LUMINAIRES THAT DEVIATE FROM LAUSD SPECIFICATIONS SHALL NOT BE ACCEPTED WITHOUT WRITTEN APPROVAL FROM OWNER'S DESIGN STANDARDS SECTION AND MAINTENANCE AND OPERATIONS TECHNICAL UNIT.
- PROVIDE J-BOX AND CONNECT PER MANUFACTURER S RECOMMENDATION FOR ELECTRONIC SENSOR FAUCETS. CONNECT TO SPARE 120V. CIRCUIT ON PANEL MA.
- EXISTING LIGHT FIXTURES TO BE REMOVED, AND SALVAGED FOR RE-INSTALLATION DUE TO NEW CEILING WORK.
- DURING CEILING RE-CONSTRUCTION WORK, EXISTING SECURITY DETECTOR TO BE TEMPORARY HUNG UNTIL NEW CEILING WORK HAS BEEN COMPLETED AND THEN RE-INSTALLED BACK TO THE NEW CEILING INSTALLATION. SEE FIRE ALARM SYSTEM CONSTRUCTION NOTES ON SHEET E-1.
- EXISTING LIGHTING EQUIPPED WITH 90-MINUTES EMERGENCY BATTERY BACK-UP.

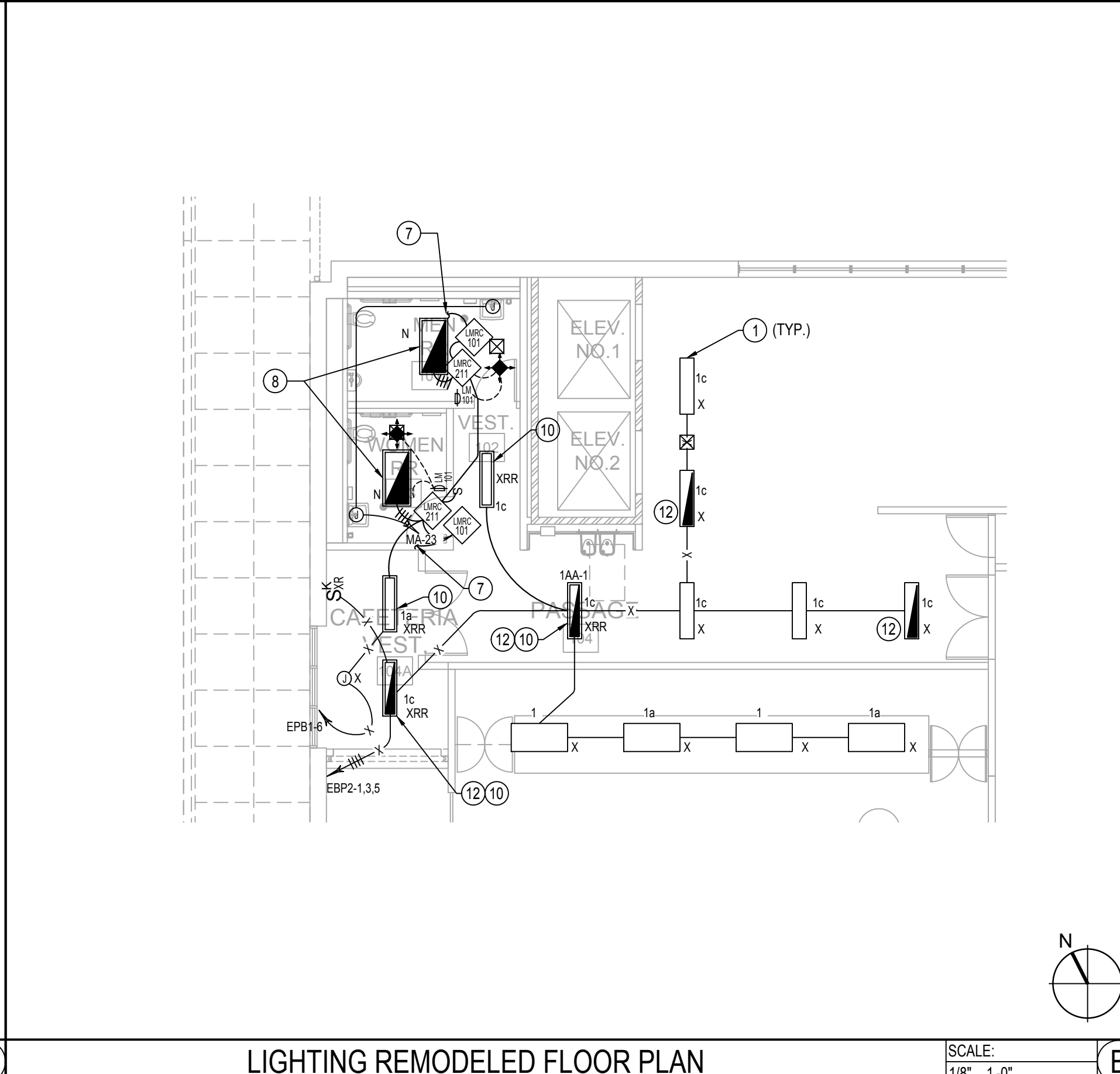
DRAWN BY	CVK, FT
DESIGNED BY	CVK
CHECKED BY	DM
APPROVED BY	DM



DEMO LIGHTING, POWER AND SIGNAL FLOOR PLAN

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

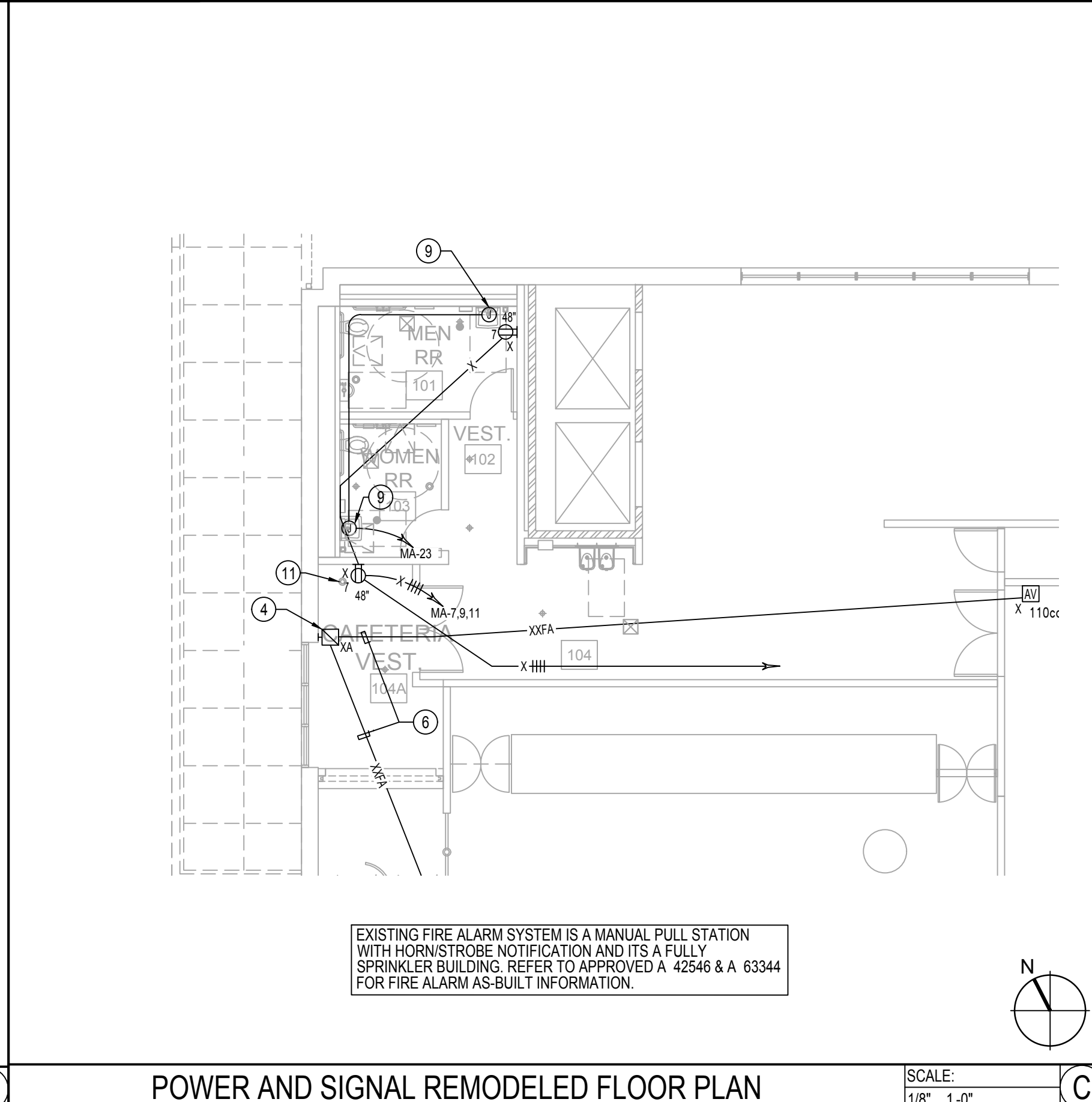
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LIGHTING REMODELED FLOOR PLAN

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

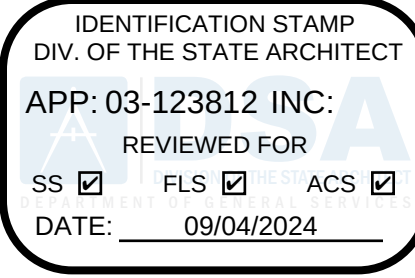
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POWER AND SIGNAL REMODELED FLOOR PLAN

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

C



LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
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PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

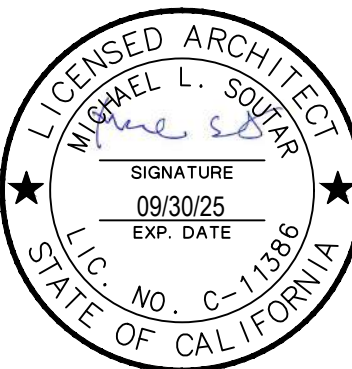
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STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

FIRST FLOOR ELECTRICAL PLAN

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: SEE QA/QC STAMP CHECKED: SEE QA/QC STAMP
SHEET NUMBER

E-3

SCALE: AS NOTED
DATE: 03.12.24 SHEET: 51 OF: 63
PRINTED DATE: March 12, 2024

PDF Created on: 3/10/24 at 11:24 PM by JERRY GRAVELA File name: H:\PROJECTS\264 MSP ARCHITECT\23-001 - LAUSD RAISED WALKWAY AT EVANS COMM ADULT SCHOOL.01 - CAD\PLUMBING\P-0-1 PLUMBING GENERAL NOTES, SYMBOLS LEGEND & SHEET INDEX.DWG
PLOTTED PAPER SIZE (DRAWING HAS BEEN SCALED IF DIFFERENT), ARCH FULL BLEED D (24.00 X 36.00 INCHES) PLOT SCALE: 1:1 PLOT STYLE: BREEN DESIGN GROUP.STB LAST SAVED BY: JGRAVELA

MEP COMPONENT ANCHORAGE NOTE

1. ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30.

A. ALL PERMANENT EQUIPMENT AND COMPONENTS.

B. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.

C. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

2. THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL BE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PLUMBING GENERAL NOTES

1. ALL DIMENSIONS AND LOCATIONS PER ARCHITECTURAL DRAWINGS.

2. AS PART OF MEANS AND METHODS CONTRACTOR TO VERIFY AVAILABLE SPACES FOR INSTALLING THE WORK.

3. COORDINATION: CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES TO PROVIDE BEST ARRANGEMENT OF ALL HVAC PIPING, GAS PIPING, CONDUITS AND ELEC/DATA PER DRAWINGS.

4. WORKMANSHIP: THE WORK SHALL BE ACCOMPLISHED BY THE USE OF COMPETENT MECHANICS SKILLED IN THEIR TRADE. THE ENGINEER AND ARCHITECT SHALL HAVE THE RIGHT TO INTERPRET COMPLIANCE OF WORKMANSHIP WITH THE CONTRACT DOCUMENTS.

5. MATERIALS: ALL MATERIALS, APPLIANCES & EQUIPMENT SHALL BE NEW & THE BEST OF THEIR RESPECTIVE KIND. FREE FROM ALL DEFECTS AND OF THE MAKE, BRAND, AND QUANTITY SPECIFIED.

6. SUBMITTALS: CONTRACTOR SHALL PROVIDE (ELECTRONIC FORMAT) MARKED UP CATALOG INFORMATION & CUTS OF ALL EQUIPMENT, DEVICES & TRIM SHALL BE SUBMITTED FOR REVIEW. ALL SUBMITTALS TO BE APPROVED BY ARCHITECT & ENGINEER. SUBMITTALS SHALL CONFORM TO THE REQUIREMENTS OF LAUSD STANDARD SPECIFICATION SECTION 013300.

7. PLUMBERS TAPE WILL NOT BE ACCEPTED AS A PERMANENT SUPPORT FOR ANY PIPING OR DEVICES.

8. VALVES SHALL BE FULL PORT, REFER TO THE CONTRACT SPECIFICATIONS FOR VALVE APPLICATIONS AND APPROVED MANUFACTURERS. INSTALL IDENTIFICATION TAGS ON ALL VALVES.

9. PENETRATIONS IN WALLS, FLOORS, OR CEILINGS, WHICH REQUIRE PROTECTED OPENINGS SHALL BE FIRE-STOPPED. FIRE-STOPPING SHALL BE AN APPROVED MATERIAL, SECURELY INSTALLED AND CAPABLE OF MAINTAINING ITS INTEGRITY WHEN SUBJECTED TO THE TIME-TEMPERATURE CURVED OF SFM STD. 12-43.3 AND STD. 12-43.1. INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTION AUTHORITY AND BE MAINTAINED AT THE JOB SITE.

10. CUTTING AND PATCHING: THE CONTRACTOR SHALL PROVIDE ALL OPENINGS, SUPPORTS, CUTTING AND CORING WHICH MAY BE REQUIRED FOR THE INSTALLATION OF THE WORK UNDER DIVISION 22 SECTIONS. WHERE PIPES ARE TO PASS THROUGH OF INTERFERE WITH ANY STRUCTURAL MEMBER, OR WHERE NOTCHING, BORING OR CUTTING OF THE STRUCTURE IS NECESSARILY, THE WORK SHALL BE DONE AS DIRECTED BY THE ARCHITECT. TOP PLATES IN BEARING PARTITIONS SHALL NOT BE CUT OR NOTCHED. PATCHING IS NOT PART OF DIVISION 22.

11. CLEANUP: UPON COMPLETION OF THE WORK UNDER THIS SECTION THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS, EQUIPMENT & DEBRIS INCIDENTAL TO THIS WORK & LEAVE THE PREMISES CLEAN AND ORDERLY. PROVIDE NEW CEILING TILES IF ANY ARE DAMAGED DURING CONSTRUCTION.

12. ALL PIPING SHOULD BE CONCEALED AS MUCH AS POSSIBLE. REFER TO 22 0513 3.02 B.6.

13. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND STRUCTURAL ENGINEER WITH THE APPROVAL OF DSA REPRESENTATIVE.

14. ALL WORK SHALL BE WITH ACCORDANCE WITH LAUSD SPECIFICATIONS 22-1000.

18. ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30:

A. ALL PERMANENT EQUIPMENT AND COMPONENTS.

B. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.

C. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

19. PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8 AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

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

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

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

MP ☒ MD ☐ PP ☒ E ☐ OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PREAPPROVAL (OPM) _0052-13, AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

PLUMBING DEMOLITION NOTES

1. BEFORE COMMENCING DEMOLITION WORK, THE CONTRACTOR SHALL REVIEW THE COMPLETE SET OF WORKING DRAWINGS AND FIELD VERIFY ALL QUESTIONABLE WORK ASSOCIATED WITH DISCONNECTING AND/OR REMOVAL OF PIPING AND EQUIPMENT. COORDINATE PLUMBING DEMOLITION WORK WITH OTHER DISCIPLINES.

2. CONTRACTOR SHALL NOTIFY THE OAR & PROJECT INSPECTOR AND/OR ARCHITECT IMMEDIATELY WHEREVER REMOVAL OF EXISTING PIPING AND/OR EQUIPMENT WILL INTERFERE WITH EQUIPMENT THAT IS TO REMAIN OR INTERFERE WITH THE NEW EQUIPMENT INSTALLATION.

3. THESE DRAWING INDICATE EXISTING CONDITIONS WHICH WHERE TAKEN FROM RECORD DRAWINGS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THESE CONDITIONS. THE CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS AND TO EXERCISE CAUTION IN THE DEMOLITION PROCESS, AND PROMPTLY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES ENCOUNTERED.

4. EXISTING PIPING AND EQUIPMENT NOT INDICATED TO BE REMOVED OR ABANDONED IS TO REMAIN IN USE. EXCEPT FOR SHORT DESIGNATED INTERVALS DURING WHICH CONNECTIONS ARE MADE, SHUT-DOWN TIME OF THE EXISTING UTILITIES AND EQUIPMENT SHALL BE AT A TIME CONVENIENT AND AGREEABLE TO THE OAR & PROJECT INSPECTOR. EXISTING EQUIPMENT REMOVED FOR PROTECTION SHALL BE PLACED BACK TO ITS ORIGINAL LOCATION. EXISTING EQUIPMENT DAMAGED DURING THE PROCESS SHALL BE REPAIRED AND/OR REPLACED AS REQUIRES TO MAINTAIN A COMPLETE AND OPERABLE SYSTEM. NO ADDITIONAL CHARGES WILL BE ALLOWED FOR REPAIRING, REPLACING AND/OR RECONNECTING THE EXISTING SYSTEM DISTURBED DURING CONSTRUCTION.

5. UNLESS OTHERWISE NOTED DISCONNECT AND REMOVE ALL DEVICES ASSOCIATED WITH THE EXISTING EQUIPMENT BEING REMOVED.

6. THE CONTRACTOR ACCOMPANIED BY THE OAR & PROJECT INSPECTOR SHALL TAKE INVENTORY OF THE EXISTING MATERIAL AND EQUIPMENT.

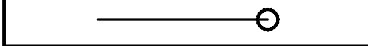
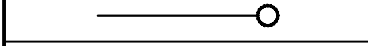
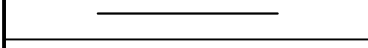
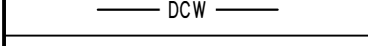
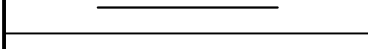
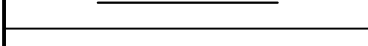
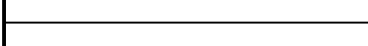
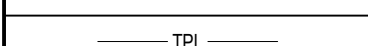
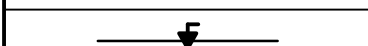
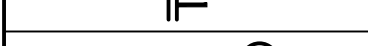
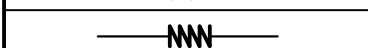
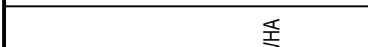
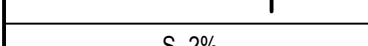
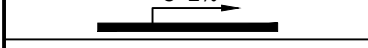
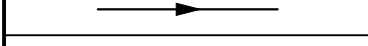
7. WHERE WALLS AND CEILINGS ARE TO BE DEMOLISHED, REMOVE ALL UNUSED EQUIPMENT. WHERE EXISTING WALLS AND CEILINGS ARE TO REMAIN, REFER TO ARCHITECTURAL DRAWINGS AND THE CONTRACT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

8. COORDINATE ALL DEMOLITION WITH THE NEW REQUIREMENTS TO ASSURE THAT EXISTING EQUIPMENT TO REMAIN IS COMPLETE AND OPERABLE.

9. CAREFULLY PROTECT ALL EXISTING WALLS, TRIM, FLOORS, EQUIPMENT, UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES LIMIT DAMAGE TO THE CONFINED SPACE AND RESTORE TO ORIGINAL CONDITION.

10. THE PATCHING OF FLOORS, WALLS, CEILINGS, ETC. SHALL MATCH THE EXISTING FINISHES. REFER TO CIVIL AND ARCHITECTURAL DRAWINGS FOR WORK REQUIRED.

11. PRIOR APPROVAL MUST BE OBTAINED FROM THE ARCHITECT BEFORE NOTCHING, CORING AND/OR CUTTING OF EXISTING STRUCTURE IS DONE.

PLUMBING LEGEND		
SYMBOL	ABBREVIATION	DESCRIPTION
		PIPE-TURN DOWN
		PIPE-TURN UP
	CW	COLD WATER BUILDING PIPING
	DCW	DOMESTIC COLD WATER SITE PIPING
	HW	DOMESTIC HOT WATER
	HWR	DOMESTIC HOT WATER RETURN
	W	WASTE BELOW GRADE
	W	WASTE ABOVE GRADE
	V	SANITARY VENT
	V	SANITARY VENT BELOW GRADE
	TPL	TRAP PRIMER LINE
	SOV	SHUT-OFF VALVE
	GC	GAS COCK
	PRV	PRESSURE REDUCING VALVE STATION
	FCO/COTG	FLOOR TYPE WASTE LINE CLEANOUT/CLEANOUT TO GRADE
	WCO	WALL TYPE WASTE LINE CLEANOUT
	FD	FLOOR DRAIN (ROUND)
	FD	FLOOR DRAIN (SQUARE)
		PRESSURE RELIEF VALVE
		FLEXIBLE CONNECTION
	WHA	WATER HAMMER ARRESTOR
		DIRECTION OF SLOPE
		INDICATES DIRECTION OF FLOW
	UN	UNION (FOR TYPE SEE SPEC.)
	HB	HOSE BIBB

TERMS AND ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
ABV	ABOVE
AP	ACCESS PANEL
BEL	BELOW
CB	CATCH BASIN
CO	CLEANOUT
COTG	CLEANOUT TO GRADE
CLG	CEILING
CONN	CONNECT OR CONNECTION
DA	DISABLED ACCESS
DN	DOWN
EXIST(E)	EXISTING
FF	FINISH FLOOR
FR	FROM
FCO	FLOOR CLEANOUT
FLR	FLOOR
GRD	GRADE
HDR	HEADER
PDP	PUMP DISCHARGE PIPING
SSD	SUB-SURFACE DRAIN
TYP	TYPICAL
MH	MANHOLE
VTR	VENT THRU ROOF
	AT
BLDG	BUILDING
	NUMBER
(N)	NEW
(R)	REMOVE

PLUMBING SHEET INDEX		
SHEET NO.	SHEET TITLE	CURRENT ISSUE
P-0.1	PLUMBING GENERAL NOTES, SYMBOLS LEGEND & SHEET INDEX	100% CD / DSA
P-0.2	PLUMBING SCHEDULES	100% CD / DSA
P-2.1	PLUMBING GARAGE FLOOR PIPING PLAN	100% CD / DSA
P-2.2	PLUMBING DEMOLITION FIRST FLOOR PIPING PLAN	100% CD / DSA
P-2.3	PLUMBING REMODELED FIRST FLOOR PIPING PLAN	100% CD / DSA
P-3.1	PLUMBING RESTROOM ENLARGED PLANS	100% CD / DSA
P-5.1	PLUMBING DETAILS - SHEET ONE	100% CD / DSA
P-5.2	PLUMBING DETAILS - SHEET TWO	100% CD / DSA

DRAWN BY	JG
DESIGNED BY	JT
CHECKED BY	JT
APPROVED BY	PB

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 03-123812 INC:
REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 09/04/2024



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333 S. BEAUDRY AVENUE, 22ND FLOOR
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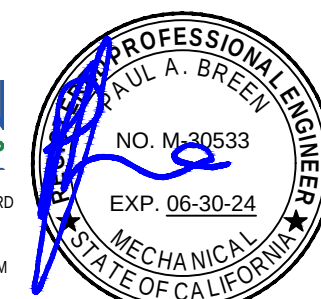
PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
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BRIDGE REMOVAL
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

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STAMPS/SEALS

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STATE OF CALIFORNIA

100% SUBMITTAL

SHEET TITLE:

PLUMBING GENERAL NOTES,
SYMBOLS LEGEND & SHEET INDEX

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
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SHEET NUMBER

P-0.1

SCALE: NONE
DATE: 12.07.23 SHEET: 52 OF: 63

PRINTED DATE: March 10, 2024

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PLOTTED PAPER SIZE (DRAWING HAS BEEN SCALED IF DIFFERENT) ARCH FULL BLEED D (24.00 X 36.00 INCHES) PLOT SCALE: 1:1 PLOT STYLE: BREEN DESIGN GROUP.STB LAST SAVED BY: JGRAVELA

VALVES & MISCELLANEOUS SCHEDULE										
MARK	MAKE	MODEL	SERVICE	LOCATION	QTY	TYPE	FLOW GPM/CFH	PIPE SIZE	VALVE SIZE	REMARKS
TMV-1	CASH ACME	HEATGUARD 145LF SERIES	DOMESTIC HOT WATER TEMPERING	BELOW LAVATORY	2	POINT-OF-USE	0.5 MIN - 5.5 MAX	¾"	-	POINT-OF-USE THERMOSTATIC MIXING VALVE BELOW LAVATORY AT AMENITY COMPLEX AND COMMERCIAL BUILDING. SET AT 110 F.

PLUMBING EQUIPMENT SCHEDULE									
MARK	FIXTURE/ EQUIPMENT	PIPING CONNECTION				FIXTURE UNITS		DESCRIPTION	
		SOIL OR WASTE	VENT	COLD WATER	HOT WATER	WASTE F.U.	COLD WATER F.U.		
L-4	WALL MOUNTED LAVATORY (ADA) FOR ADULT	2"	2"	¾"	-	1	1	LAVATORY: KOHLER MODEL #K-2867, ENAMELED CAST IRON, WALL MOUNTED, DECK MOUNTED THREE HOLE FAUCET: CHICAGO MODEL #116.706 AB.1 ELECTRONIC SENSOR FAUCET 0.5 GPM WITH DUAL BEAM INFRARED SENSOR, VANDAL PROOF NON-AERATING SPRAY, SINGLE SUPPLY FOR TEMPERED WATER, WITH12 VOLT AC TRANSFORMER AND 242.340.00.1 BANK INSTALLATION ADAPTER WIRE LEAD FREE. (ACCESSIBLE)	
UR-4	URINAL (ADA) FOR ADULT'S	2"	2"	1½"	-	2	4	URINAL: SLOAN MODEL WEUS-1000.1304-0.125 ES-S TMO, OPTIMA SYSTEMS SENSOR ACTIVATED HEU FLUSHOMETER AND HEU URINAL, 0.125 GPF. FIXTURE: WALL HUNG, VITREOUS CHINA, WASHDOWN FLUSHING ACTION, INTEGRAL FLUSHING RIM, ¾" TOP SPUD INLET, FLUSHOMETER, SYNTHETIC RUBBER DIAPHRAGM DUAL FILTERED FIXED BYPASS, OPTIMA SELF-ADAPTIVE INFRARED SENSOR WITH INDICATOR LIGHT, NON-HOLD-OPEN TRUE MECHANICAL OVERRIDE BUTTON, CHROME PLATED METAL HANDLE CAP, ¾" IPS SCREWDRIVER BAK-CHEK ANGLE STOP, ADJUSTABLE TAILPIECE. (ACCESSIBLE)	
DF-1	DRINKING FOUNTAIN®	2"	2"	¾"	-	1	1	WALL-MOUNTED BARRIER-FREE ADA DRINKING FOUNTAIN HAWS MODEL #1110LN-1920 , 14 GAGE TYPE 304 STAINLESS STEEL DUAL HEIGHT (HIGH, LOW) WITH BOTTLE FILLER AND 1107 BOTTLE STAND. SEE NOTE #6 BELOW.	
WHA-1	WATER HAMMER ARRESTER	-	-	-	-	-	-	PRECISION PLUMBING PRODUCTS WATER HAMMER ARRESTORS, HYDRAULIC DISPLACEMENT, PERMANENTLY SEALED, PISTON OPERATED, SIZED IN ACCORDANCE TO SCHEDULE: MODEL # FIXTURE UNIT RATING I.P.S. SC-500 1-11 ½" SC-750 12-32 ¾" SC-100 33-60 1" SC-1250 61-113 1½" PROVIDE STAINLESS STEEL ACCESS PANEL.	
CO-1	CLEAN OUT	-	-	-	-	-	-	ZURN WALL CLEANOUT MODEL #Z1441.	
NOTES:									
1. ALL FIXTURES TO BE WHITE OR TRIM TO BE POLISHED CHROME FINISH UNLESS NOTED OTHERWISE.									
2. PROVIDE HEAVY PATTERN ANGLE STOPS FOR ALL FIXTURES AS SPECIFIED.									
3. ALL PLUMBING FIXTURES SHOULD BE UPC APPROVED AND IAPMO LISTED.									
4. ALL ACCESSIBLE LAVATORIES & SINKS TO BE PROVIDED WITH INSULATION FOR THE DRAIN & HOT WATER PIPING AS TRUEBRO KIT #101 INSULATION KIT OR EQUAL.									
5. NEW PLUMBING FIXTURES AND FITTINGS SHALL NOT EXCEED THE MAXIMUM ALLOWABLE FLOW RATE SPECIFIED IN TABLE 5.303.2.3.									
6. CONTRACTOR TO SPLIT THE INCOMING WATER LINE UNDER DRINKING FOUNTAIN AND INSTALL (2) SEPARATE SHUT-OFF VALVES CLEARLY LABELED TO TURN ON/OFF BOTTLE FILLER AND DRINKING FOUNTAIN BUBBLER.									

DRAWN BY	JG
DESIGNED BY	JT
CHECKED BY	JT
APPROVED BY	PB

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT	
APP: 03-123812 INC:	
REVIEWED FOR	
SS ☒ FLS ☒ ACS ☒	
DATE: 09/04/2024	



LOS ANGELES UNIFIED
SCHOOL DISTRICT

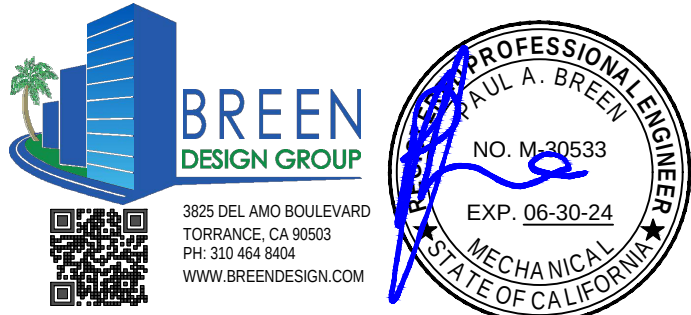
M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

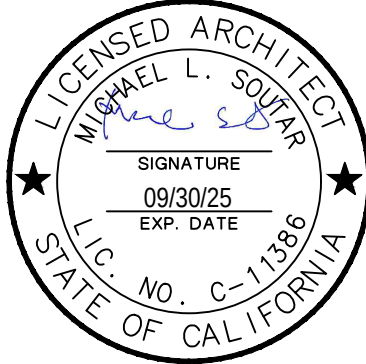
EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT
Architects McDonald, Soutar & Paz, Inc.
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LONG BEACH CALIFORNIA 90807
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CONSULTANT



STAMPS/SEALS



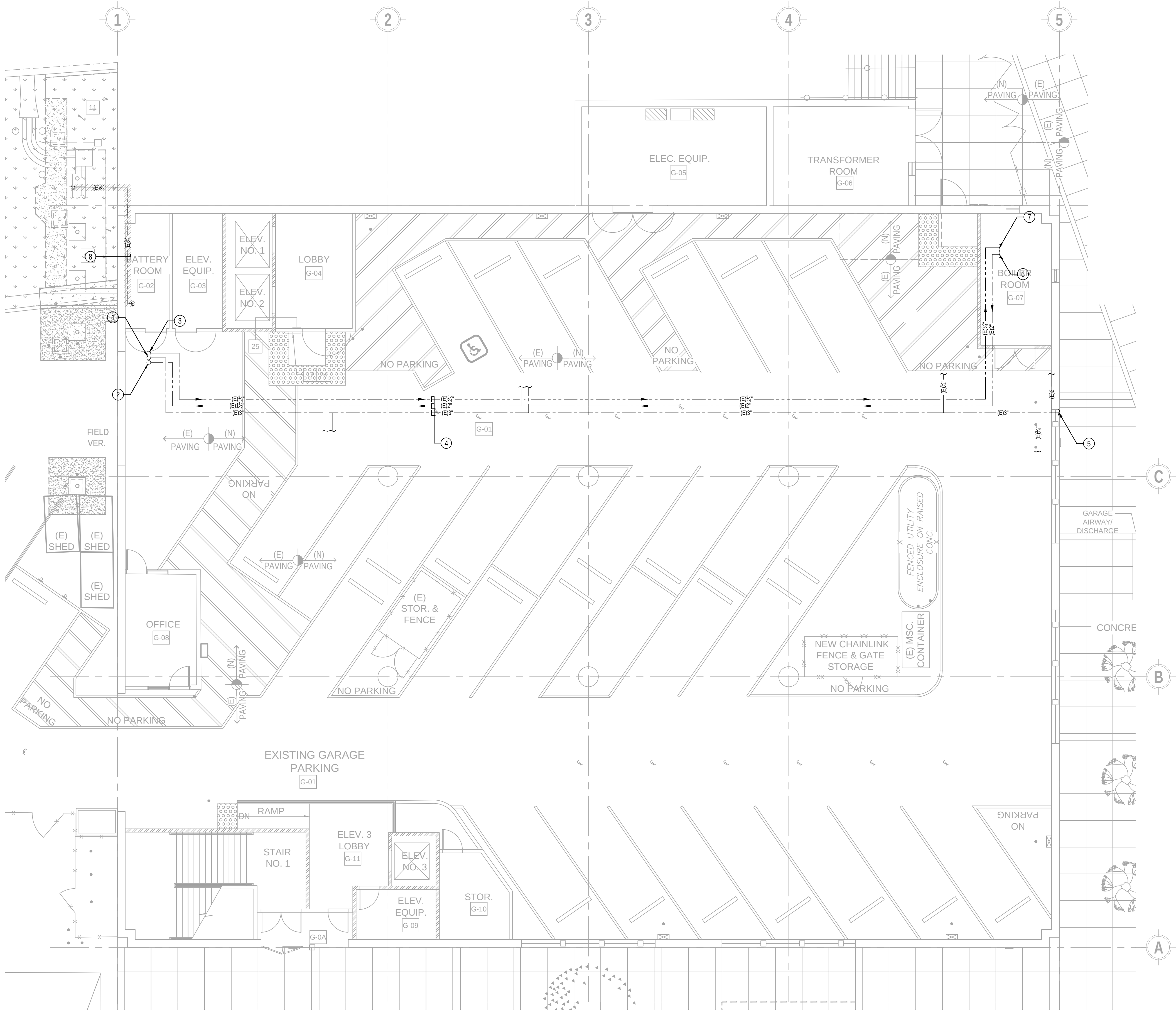
100% SUBMITTAL
SHEET TITLE:
PLUMBING SCHEDULES

MSP PROJECT NO.: 22-1322	PROJECT ARCH: MSP
DRAWN: SEE QA/QC STAMP	CHECKED: SEE QA/QC STAMP
SHEET NUMBER	

P-0.2

SCALE: NONE	
DATE: 12.07.23	SHEET: 53 OF: 63

PRINTED DATE: March 10, 2024

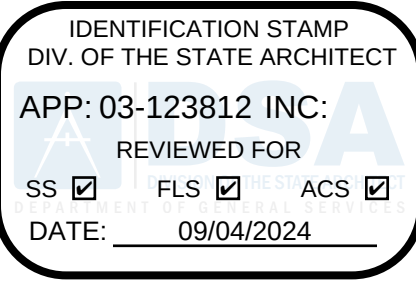


GENERAL NOTES

- SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
- PROVIDE INSULATION FOR TRAPS ON ALL ADA ACCESS FIXTURES.
- LOWER ROUGH-IN HEIGHTS FOR ALL ADA ACCESS.
- HOT WATER AND DRAIN PIPES UNDER SINKS SHALL BE INSULATED.
- USE SOUND ISOLATION BRACKETS FOR WATER PIPING.
- PROVIDE ANGLE STOPS FOR EACH INDIVIDUAL FIXTURE.
- READ WITH SCHEMATIC RISER DIAGRAMS.

REFERENCE NOTES

- EXISTING 3" COLD WATER MAIN PIPING UP TO FLOOR ABOVE. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.
- EXISTING 1½" HOT WATER PIPING UP TO FLOOR ABOVE. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.
- EXISTING ¾" HOT WATER RETURN PIPING FROM ABOVE. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.
- EXISTING HOT, COLD AND HOT WATER RETURN PIPING AT HIGH LEVEL INSIDE CEILING SPACE.
- 3" EXISTING COLD WATER MAIN PIPING FROM EXISTING PRESSURE REGULATING STATION PER APPROVED AS-BUILT PLANS.
- EXISTING 2" HOT WATER PIPING FROM HOT WATER SYSTEM PER APPROVED AS-BUILT PLANS.
- EXISTING ¾" HOT WATER RETURN PIPING TO HOT WATER SYSTEM PER APPROVED AS-BUILT PLANS.
- EXISTING ¾" COLD WATER TO BE REMOVED UP TO POINT OF DISCONNECTION AS SHOWN IN DETAIL SHEET P-5.1.



LOS ANGELES UNIFIED SCHOOL DISTRICT

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PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL**
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

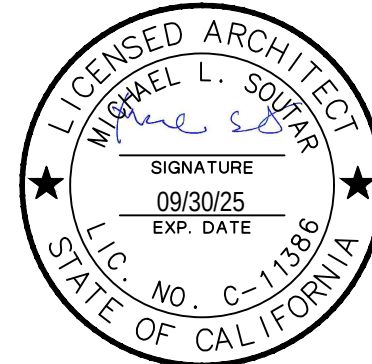
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STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

PLUMBING GARAGE FLOOR PIPING PLAN

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: SEE QA/QC STAMP CHECKED: SEE QA/QC STAMP
SHEET NUMBER

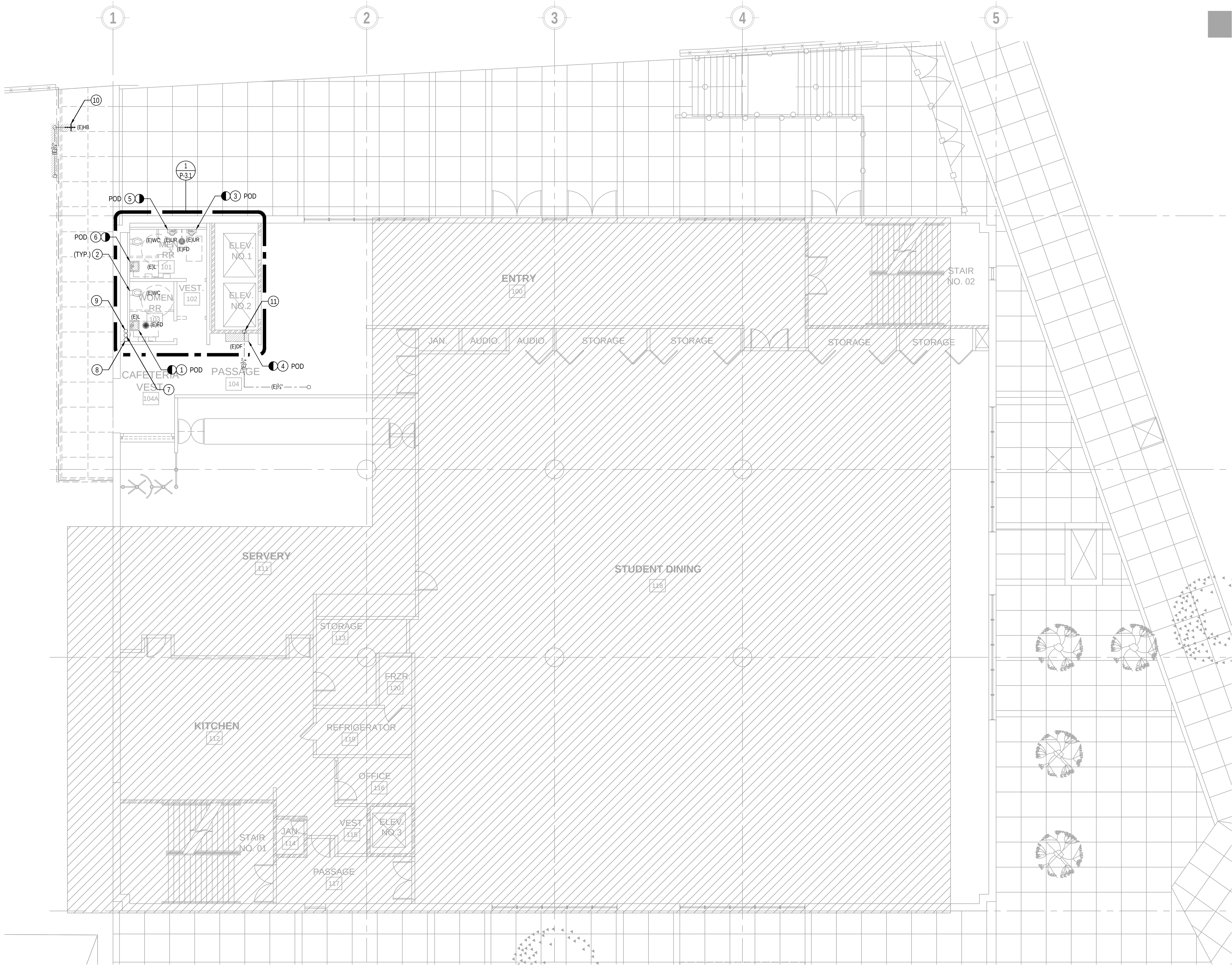
P-2.1

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

DATE: 12.07.23

SHEET: 54 OF: 63

PRINTED DATE: March 10, 2024

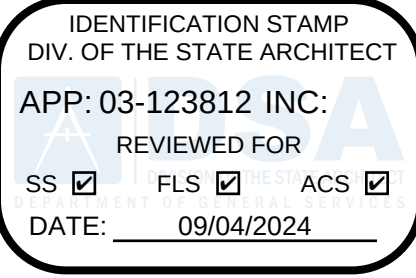


GENERAL NOTES

- 1 ARRANGE ALL SHUT DOWNS WITH THE OAR.
- 2 CONTRACTOR TO BE RESPONSIBLE FOR ALL WALL AND CEILING OPENINGS AND REPAIR TO THE SATISFACTION OF THE IOR.
- 3 CONTRACTOR TO BE RESPONSIBLE FOR DISPOSAL OF ALL REMOVED MATERIALS.
- 4 ALL FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL BE PER CHAPTER 33 OF CALIFORNIA FIRE CODE.
- 5 REPAIR AND PATCH ALL DAMAGE AND REDUNDANT PENETRATIONS TO BUILDING CAUSED BY DEMOLITION OF EQUIPMENT, PIPING, CONDUIT AND SYSTEMS.
- 6 EQUIPMENT & SYSTEMS SHOWN TO BE DEMOLISHED SHALL BE COMPLETELY REMOVED, AND SHALL NOT BE ABANDONED IN PLACE UNLESS NOTED OTHERWISE.
- 7 SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURES.
- 8 CONTRACTOR TO VERIFY ALL SIZES AND LOCATIONS OF PIPING.

REFERENCE NOTES

- 1 EXISTING LAVATORY TO BE REMOVED. ASSOCIATED WASTE AND WATER PIPING INSIDE WALL SHALL REMAIN AND SHALL BE REUSED.
- 2 EXISTING WALL MOUNTED WATER CLOSET TO REMAIN AND SHALL BE REUSED.
- 3 EXISTING URINAL TO BE REMOVED. ASSOCIATED WASTE AND WATER PIPING INSIDE WALL SHALL REMAIN AND SHALL BE REUSED.
- 4 EXISTING DRINKING FOUNTAIN TO BE REMOVED. ASSOCIATED WASTE AND WATER PIPING INSIDE WALL SHALL REMAIN AND SHALL BE REUSED.
- 5 EXISTING URINAL TO BE REMOVED. ASSOCIATED WASTE AND WATER PIPING SHALL BE CAPPED AND ABANDON IN PLACE.
- 6 EXISTING LAVATORY TO BE REMOVED. ASSOCIATED WASTE AND COLD WATER PIPING INSIDE WALL SHALL REMAIN AND SHALL BE REUSED. HOT WATER PIPING SHALL BE CAPPED INSIDE WALL AND ABANDON IN PLACE.
- 7 EXISTING 3" COLD WATER MAIN PIPING FROM BELOW AND UP TO FLOOR ABOVE TO REMAIN AND SHALL BE REUSED. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.
- 8 EXISTING 1/2" HOT WATER PIPING FROM BELOW AND UP TO FLOOR ABOVE REMAIN AND SHALL BE REUSED. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.
- 9 EXISTING 3/4" HOT WATER RETURN PIPING FROM ABOVE DOWN TO FLOOR BELOW TO REMAIN AND SHALL BE REUSED. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.
- 10 EXISTING HOSE BIBB TO BE REMOVED INCLUDING ASSOCIATED EXISTING 3/4" COLD WATER PIPING UP TO POINT OF DISCONNECTION AS SHOWN IN DETAIL SHEET P-5.1.
- 11 EXISTING 3/4" COLD WATER PIPING FROM BELOW TO SUPPLY EXISTING DRINKING FOUNTAIN AND UP TO FLOOR ABOVE AS SHOWN PER AS-BUILT PLAN.



LOS ANGELES UNIFIED SCHOOL DISTRICT

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TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL

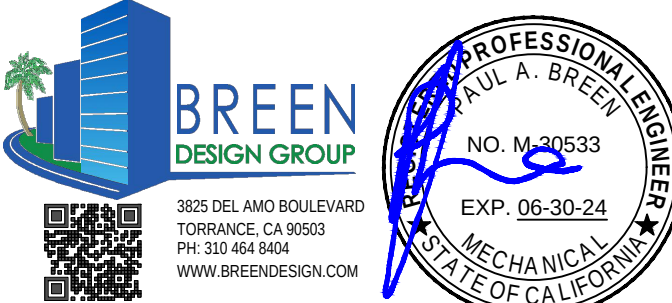
717 North Figueroa Street
Los Angeles, California 90012

COLIN NUMBER: 10372448

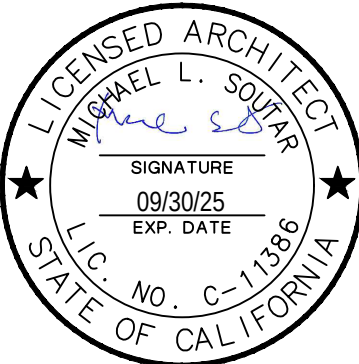
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CONSULTANT



STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

PLUMBING DEMOLITION FIRST
FLOOR PIPING PLAN

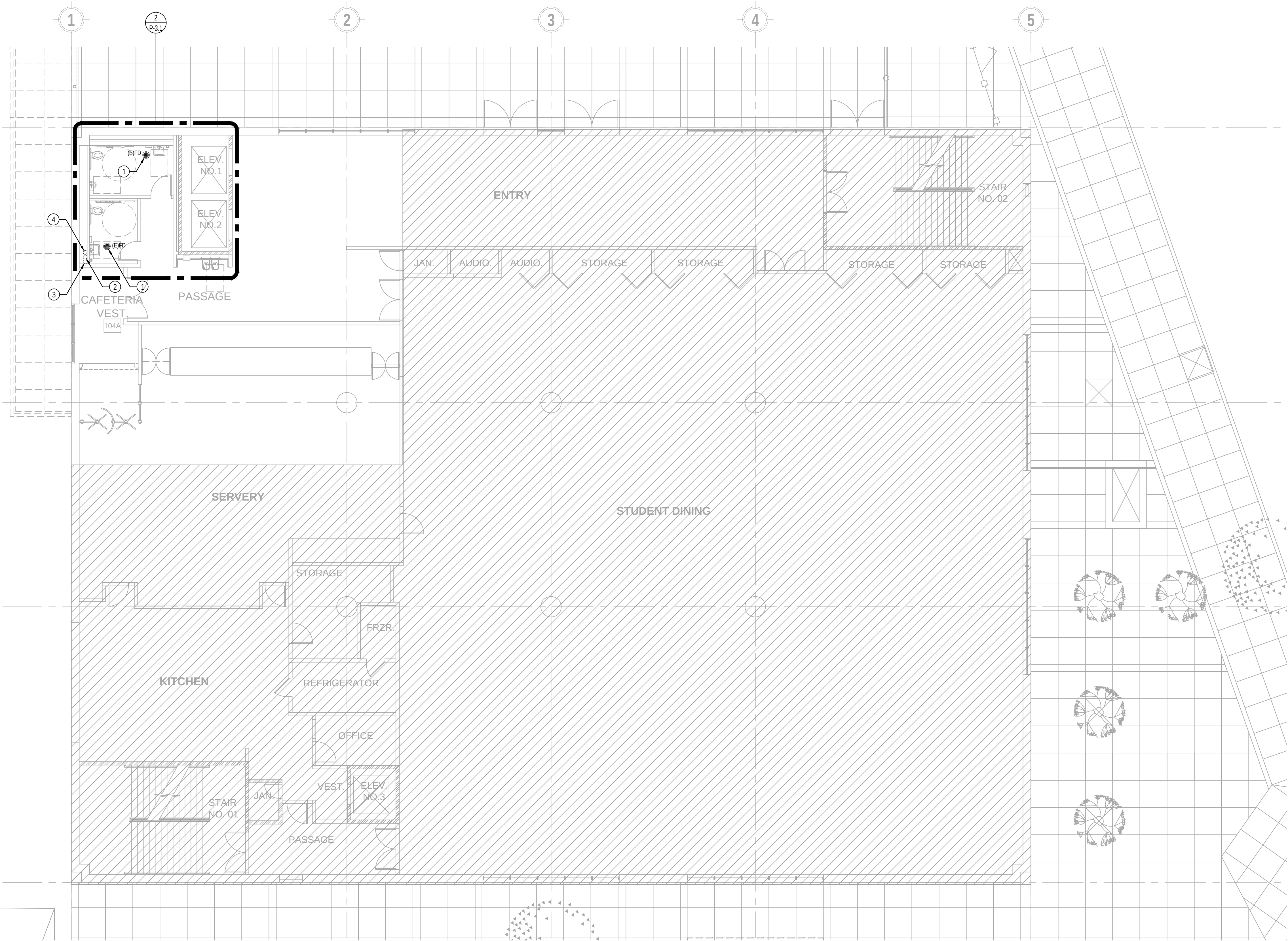
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DRAWN: SEE QA/QC STAMP CHECKED: SEE QA/QC STAMP
SHEET NUMBER

P-2.2

SCALE: 1/8" = 1'-0"
DATE: 12.07.23 SHEET: 55 OF: 63
PRINTED DATE: March 10, 2024

DRAWN BY	JG
DESIGNED BY	JT
CHECKED BY	JT
APPROVED BY	PB

PDF Created on: 3/10/24 at 11:26 PM by JERRY GRAVELA Filename: H:\PROJECTS\264 MSP ARCHITECTS\23-001 - LAUSD RAISED WALKWAY AT EVANS COMM ADULT SCHOOL.01 - CAD\PLUMBING\2-3 PLUMBING REMODELED FIRST FLOOR PIPING PLAN.DWG
PLOTTED PAPER SIZE (DRAWING HAS BEEN SCALED IF DIFFERENT) ARCH FULL BLEED D (24.00 X 36.00 INCHES) PLOT SCALE: 1:1 PLOT STYLE: BREEN DESIGN GROUP.STB LAST SAVED BY: JGRAVELA

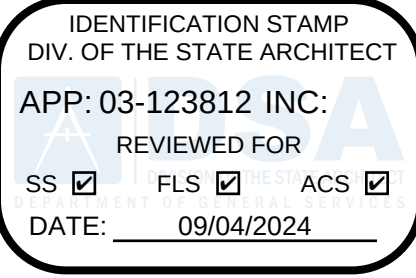


GENERAL NOTES

- 1 SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
- 2 PROVIDE INSULATION FOR TRAPS ON ALL ADA ACCESS FIXTURES.
- 3 LOWER ROUGH-IN HEIGHTS FOR ALL ADA ACCESS.
- 4 HOT WATER AND DRAIN PIPES UNDER SINKS SHALL BE INSULATED.
- 5 USE SOUND ISOLATION BRACKETS FOR WATER PIPING.
- 6 PROVIDE ANGLE STOPS FOR EACH INDIVIDUAL FIXTURE.
- 7 READ WITH SCHEMATIC RISER DIAGRAMS.

REFERENCE NOTES

- 1 EXISTING FLOOR DRAIN TO REMAIN AND SHALL BE REUSED.
- 2 EXISTING 3" COLD WATER MAIN PIPING FROM BELOW AND UP TO FLOOR ABOVE TO REMAIN AND SHALL BE REUSED. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.
- 3 EXISTING 1/2" HOT WATER PIPING FROM BELOW AND UP TO FLOOR ABOVE REMAIN AND SHALL BE REUSED. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.
- 4 EXISTING 3/4" HOT WATER RETURN PIPING FROM ABOVE DOWN TO FLOOR BELOW TO REMAIN AND SHALL BE REUSED. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.



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TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL
717 North Figueroa Street
Los Angeles, California 90012
COLIN NUMBER: 10372448

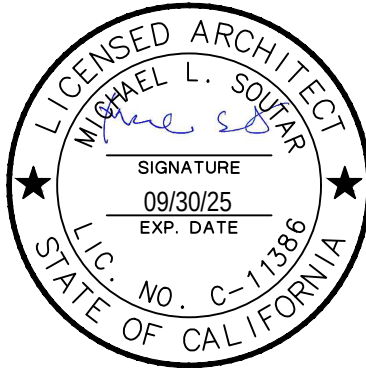
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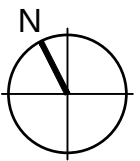
SHEET TITLE:

PLUMBING REMODELED FIRST
FLOOR PIPING PLAN

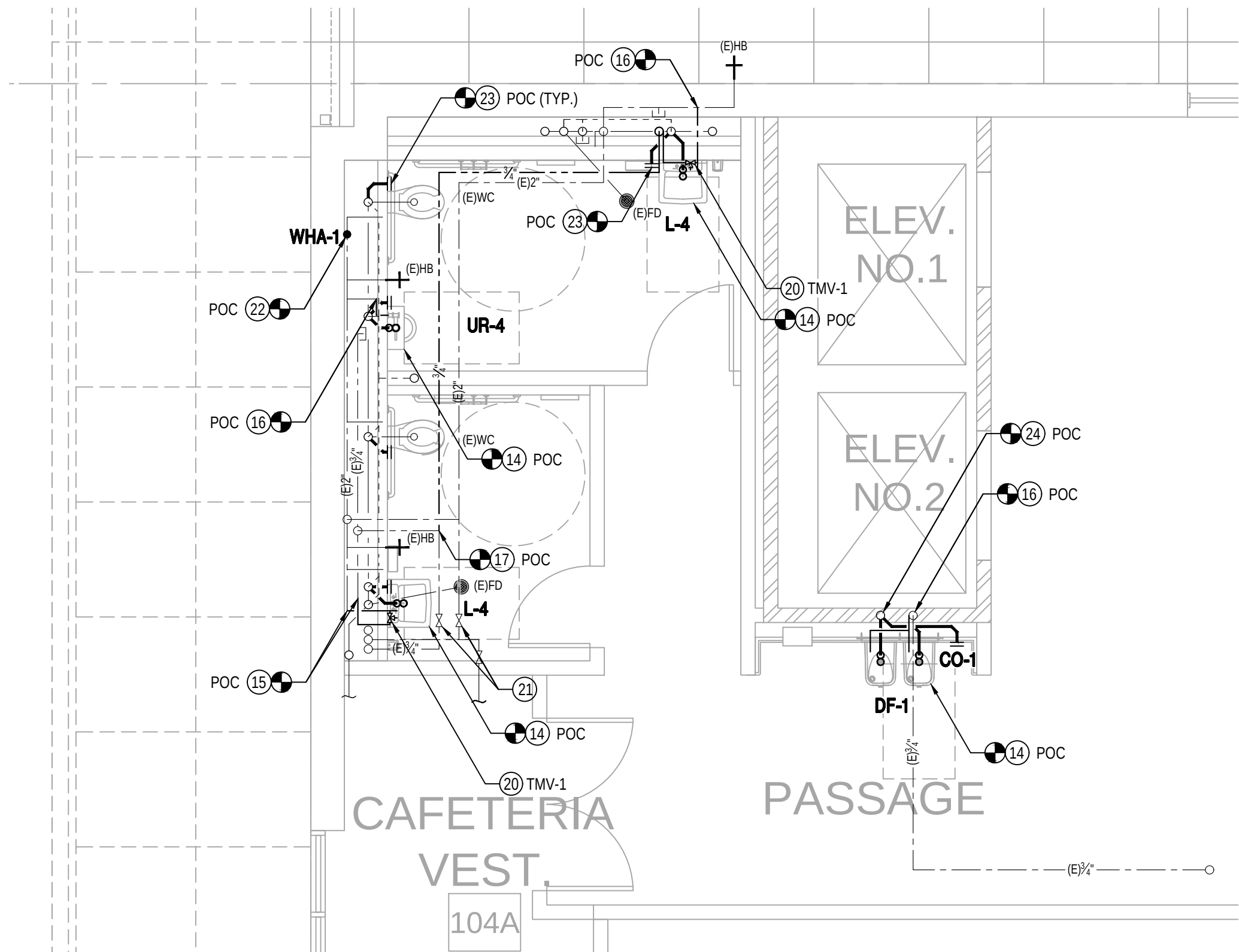
MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: SEE QA/QC STAMP CHECKED: SEE QA/QC STAMP
SHEET NUMBER

P-2.3

SCALE: 1/8" = 1'-0"
DATE: 12.07.23 SHEET: 56 OF: 63



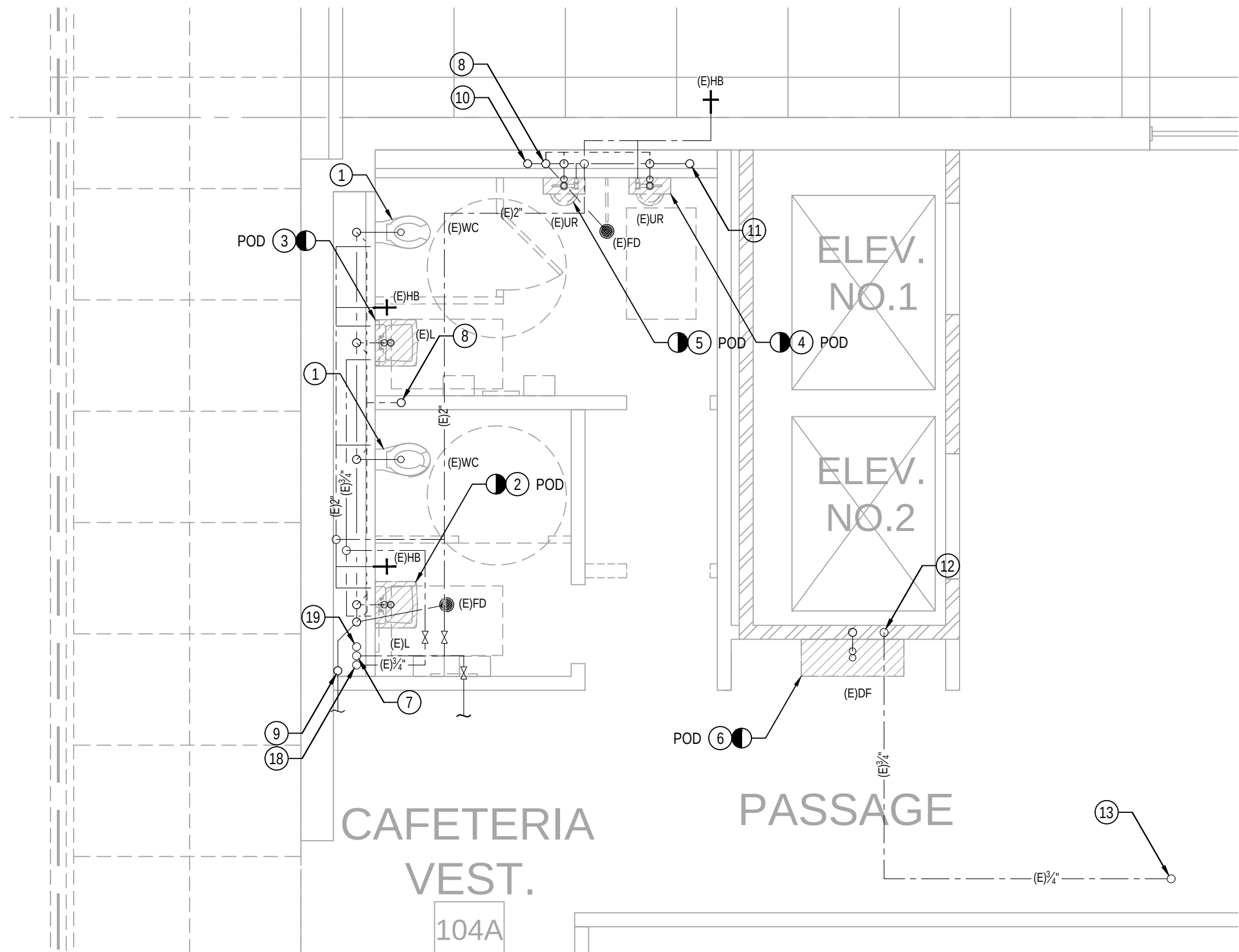
DRAWN BY	JG
DESIGNED BY	JT
CHECKED BY	JT
APPROVED BY	PB



REMODELED ENLARGED PIPING PLAN

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

2



DEMOLITION ENLARGED PIPING PLAN

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

1

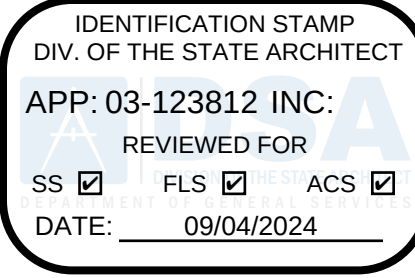
DRAWN BY	JG
DESIGNED BY	JT
CHECKED BY	JT
APPROVED BY	PB

GENERAL NOTES

1. ARRANGE ALL SHUT DOWNS WITH THE BUILDING OWNER.
2. CONTRACTOR TO BE RESPONSIBLE FOR ALL WALL AND CEILING OPENINGS AND REPAIR TO THE SATISFACTION OF THE BUILDING OWNER.
3. CONTRACTOR TO BE RESPONSIBLE FOR DISPOSAL OF ALL REMOVED MATERIALS.
4. ALL FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION SHALL BE PER CHAPTER 33 OF CALIFORNIA FIRE CODE.
5. REPAIR AND PATCH ALL DAMAGE AND REDUNDANT PENETRATIONS TO BUILDING CAUSED BY DEMOLITION OF EQUIPMENT, PIPING, CONDUIT AND SYSTEMS.
6. EQUIPMENT & SYSTEMS SHOWN TO BE DEMOLISHED SHALL BE COMPLETELY REMOVED, AND SHALL NOT BE ABANDONED IN PLACE UNLESS NOTED OTHERWISE.
7. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURES.
8. CONTRACTOR TO VERIFY ALL SIZES AND LOCATIONS OF PIPING.
9. USE SOUND ISOLATION BRACKETS FOR WATER PIPING.
10. PROVIDE INSULATION FOR TRAPS ON ALL ADA ACCESS FIXTURES.
11. PROVIDE ANGLE STOPS FOR EACH INDIVIDUAL FIXTURE.
12. LOWER ROUGH-IN HEIGHTS FOR ALL ADA & ADAPTABLE KITCHENS.

REFERENCE NOTES

1. EXISTING WATER CLOSET TO REMAIN AND SHALL BE REUSED.
2. EXISTING LAVATORY TO BE REMOVED. ASSOCIATED WASTE & VENT PIPING INSIDE WALL TO REMAIN AND SHALL BE REUSED. ASSOCIATED HOT AND COLD WATER PIPING INSIDE WALL SHALL BE CAPPED.
3. EXISTING LAVATORY TO BE REMOVED. ASSOCIATED WASTE AND COLD WATER PIPING INSIDE WALL SHALL REMAIN AND SHALL BE REUSED. HOT WATER PIPING SHALL BE CAPPED INSIDE WALL AND ABANDON IN PLACE.
4. EXISTING URINAL TO BE REMOVED. ASSOCIATED WASTE & VENT PIPING INSIDE WALL TO REMAIN AND SHALL BE REUSED. ASSOCIATED COLD WATER PIPING INSIDE WALL SHALL BE CAPPED.
5. EXISTING URINAL TO BE REMOVED. ASSOCIATED WASTE AND WATER PIPING SHALL BE CAPPED INSIDE WALL AND ABANDON IN PLACE.
6. EXISTING DRINKING FOUNTAIN TO BE REMOVED. ASSOCIATED WASTE AND WATER PIPING INSIDE WALL SHALL REMAIN AND SHALL BE REUSED.
7. EXISTING 3" COLD WATER MAIN PIPING FROM BELOW AND UP TO FLOOR ABOVE TO REMAIN AND SHALL BE REUSED. SEE FLOOR PLANS FOR CONTINUATION.
8. EXISTING 2" VENT PIPING UP TO FLOOR ABOVE BE REUSED.
9. EXISTING 4" WASTE MAIN PIPING FROM ABOVE DOWN TO FLOOR BELOW TO BE REUSED.
10. EXISTING 2" WASTE PIPING FROM ABOVE DOWN TO LOW LEVEL TO BE REUSED.
11. EXISTING 2" WASTE PIPING FROM ABOVE DOWN TO FLOOR BELOW TO BE REUSED.
12. EXISTING 3/4" COLD WATER PIPING FROM BELOW .
13. EXISTING 3/4" COLD WATER PIPING UP TO FLOOR ABOVE.
14. NEW PLUMBING FIXTURE. CONNECT TO EXISTING WASTE AND WATER PIPING INSIDE WALL.
15. POINT OF CONNECTION. CONNECT NEW HOT AND COLD WATER MAIN PIPING TO EXISTING HOT AND COLD WATER PIPING AT LOW LEVEL INSIDE WALL. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.
16. POINT OF CONNECTION. CONNECT NEW COLD WATER PIPING TO EXISTING COLD WATER PIPING AT LOW LEVEL INSIDE WALL. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.
17. POINT OF CONNECTION. CONNECT NEW HOT WATER PIPING TO EXISTING HOT WATER PIPING AT HIGH LEVEL INSIDE CEILING SPACE. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION BEFORE FINAL CONNECTION.
18. EXISTING 1 1/2" HOT WATER PIPING FROM BELOW AND UP TO FLOOR ABOVE REMAIN AND SHALL BE REUSED. SEE FLOOR PLANS FOR CONTINUATION.
19. EXISTING 3/4" HOT WATER RETURN PIPING FROM ABOVE DOWN TO FLOOR BELOW TO REMAIN AND SHALL BE REUSED. SEE FLOOR PLANS FOR CONTINUATION.
20. POINT-OF-USE THERMOSTATIC MIXING VALVE BELOW LAVATORY, SET AT 110 F. REFER TO DETAIL 2 OF SHEET P-5.2 FOR TMV-1 BEHIND ACCESS PANEL DETAIL.
21. EXISTING HOT AND COLD WATER SHUT-OFF VALVE AT HIGH LEVEL INSIDE CEILING SPACE.
22. NEW WATER HAMMER ARRESTOR INSIDE WALL. PROVIDE WITH ACCESS PANEL (AP-1).
23. NEW WALL CLEANOUT WITH COVER PLATE. PROVIDE WITH ACCESS PANEL (AP-2). REFER TO DETAIL 1 OF SHEET P-5.2 FOR CLEANOUT DETAIL.
24. NEW WASTE PIPING FROM NEW DRINKING FOUNTAIN TO CONNECT TO EXISTING WASTE PIPING SERVING EXISTING DRINKING FOUNTAIN.



LOS ANGELES UNIFIED SCHOOL DISTRICT

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TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

**EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL**
717 North Figueroa Street
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COLIN NUMBER: 10372448

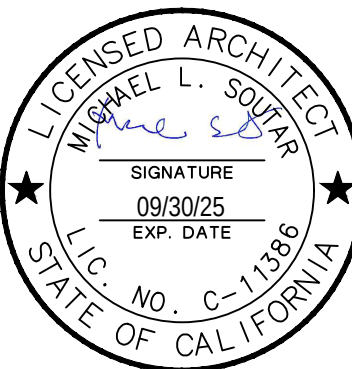
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CONSULTANT



STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

PLUMBING RESTROOM ENLARGED PLANS

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: SEE QA/QC STAMP CHECKED: SEE QA/QC STAMP
SHEET NUMBER

P-3.1

SCALE: AS NOTED
DATE: 12.07.23 SHEET: 57 OF: 63

PRINTED DATE: March 10, 2024

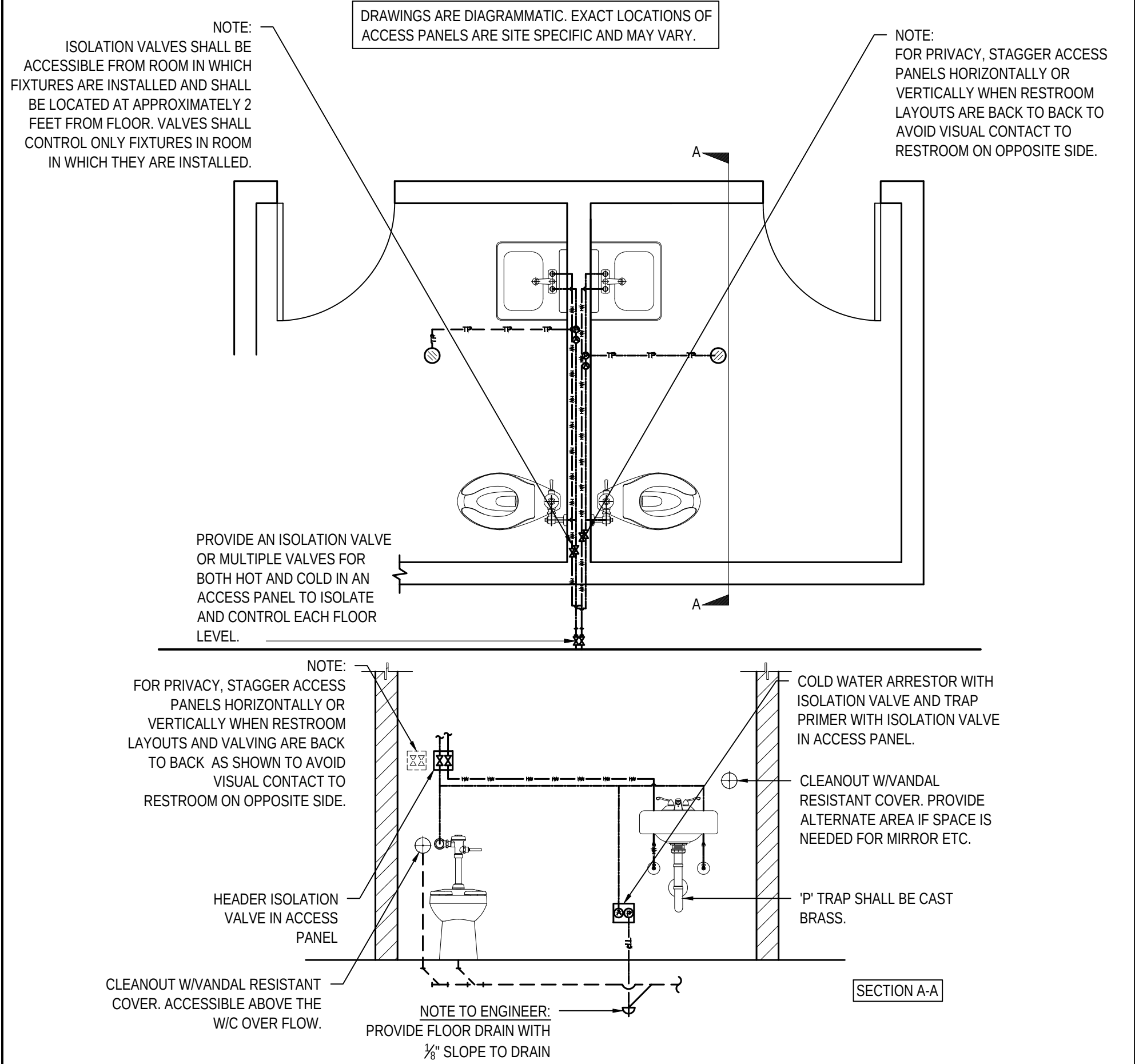
PDF Created on: 3/10/24 at 11:28 PM by JERRY GRAVELA Filename: H:\PROJECTS\264 MSP ARCHITECTS\23-001 - LAUSD RAISED WALKWAY AT EVANS COMM ADULT SCHOOL\01 - CAD\PLUMBING\5.1 PLUMBING DETAILS - SHEET ONE.DWG
PLOTTED PAPER SIZE (DRAWING HAS BEEN SCALED IF DIFFERENT) ARCH FULL BLEED D (24.00 X 36.00 INCHES) PLOT SCALE: 1:1 PLOT STYLE: BREEN DESIGN GROUP.STB LAST SAVED BY: JGRAVELA



4

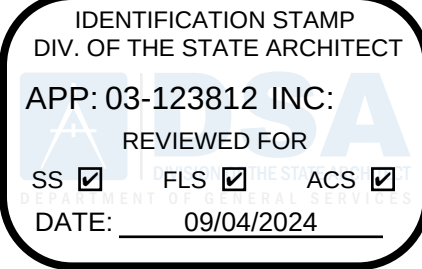
PLUMBING STANDARD DETAIL FOR SINGLE ACCOMMODATION RESTROOM LAYOUT

2



REFERENCE NOTES

- 1 CAP 3/4" COPPER PIPING AFTER THE SHUT-OFF VALVE AS SHOWN.
- 2 DEMOLISH ALL 3/4" COPPER PIPING THAT IS RUNNING ON THE WALL AND ON THE SIDE OF THE RAISED WALKWAY INCLUDING PIPE SUPPORT AND HOSE BIBB AS SHOWN.



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TEL: (213)241-3952

PROJECT TITLE AND SCHOOL LOCATION

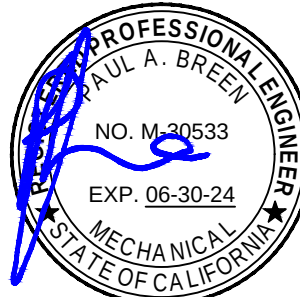
EVANS CAS -
ADA UPGRADES AND
BRIDGE REMOVAL

717 North Figueroa Street
Los Angeles, California 90012

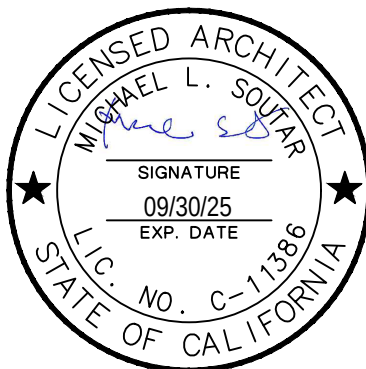
COLIN NUMBER: 10372448

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100% SUBMITTAL

SHEET TITLE:
PLUMBING DETAILS - SHEET ONE

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
DRAWN: SEE QA/QC STAMP CHECKED: SEE QA/QC STAMP
SHEET NUMBER

P-5.1

SCALE: N.T.S.
DATE: 12.07.23 SHEET: 58 OF: 63
PRINTED DATE: March 10, 2024

DRAWN BY	JG
DESIGNED BY	JT
CHECKED BY	JT
APPROVED BY	PB

CODES AND STANDARDS

CODES AND PERMITS: ALL EQUIPMENT, INSTALLATION, ETC., SHALL CONFORM TO LOCAL ELECTRICAL, MECHANICAL AND OTHER APPLICABLE CODES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS. COPIES OF ALL PERMITS AND INSPECTION REPORTS SHALL BE SUBMITTED TO THE ARCHITECT. CODES INCLUDE BUT NOT LIMITED TO:

TITLE 24, PART 2, CCR (2022 CALIFORNIA BUILDING CODE W/AMENDMENTS)
TITLE 24, PART 3, CCR (2022 CALIFORNIA ELECTRICAL CODE W/AMENDMENTS)
TITLE 24, PART 4, CCR (2022 CALIFORNIA MECHANICAL CODE W/AMENDMENTS)
TITLE 24, PART 5, CCR (2022 CALIFORNIA PLUMBING CODE W/AMENDMENTS)
TITLE 24, PART 9, CCR (2022 CALIFORNIA FIRE CODE W/AMENDMENTS)
2022 CALIFORNIA GREEN BUILDINGS STANDARDS CODES
2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)
NFPA 13 - 2019
NFPA 72 - 2019

REFERENCED CODE SECTIONS FOR APPLICABLE STANDARDS
2022 CBC, CHAPTER 35
2022 CFC, CHAPTER 80
NFPA STANDARDS AND GUIDES

NFPA 72 NATIONAL FIRE ALARM CODES (CALIFORNIA AMENDED, 2016 EDITION)
NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES".

REFERENCE CODE SECTION FOR NFPA STANDARDS--2022 CBC (SFM) CHAPTER 35.
SEE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

UPON RECEIPT OF THE CERTIFICATE OF COMPLIANCE, THE INSTALLER SHALL SUPPLY THE OWNER WITH A WRITTEN OPERATION, TESTING AND MAINTENANCE INSTRUCTIONS, POINT TO POINT AS BUILD DRAWINGS AND EQUIPMENT SPECIFICATIONS.

NFPA 72 CHAPTER 10.14 INSPECTION TESTING AND MAINTENANCE COMPLETE THE INSPECTION AND TESTING FORM IN ITS ENTIRETY. SUBMIT A COPY TO THE DISTRICT, ARCHITECT AND DSA DIVISION OF FIRE AND LIFE SAFETY.

RECORD DRAWINGS OF ALL INSPECTION, TEST SHALL BE MAINTAINED ON PREMISES MINIMUM THREE YEARS. CFC 901 6. 2 (5 YEARS PER TITLE 14) SMOKE DETECTORS TO UTILIZE CALIBRATED MANUFACTURE SENSITIVITY TEST INSTRUMENT. CFC 907. 9.4

WIRING SCHEDULE

DESIG.	CIRCUIT TYPE	DESCRIPTION	MODEL
M	MAPNET ADDRESSABLE	4 TWISTED PAIR, 18 AWG FPLR	HONEYWELL CABLE 18/8 SOL FPL 4309, CSFM 7161-1487-0100
FA	SLC INTELLIGENT LOOP NETWORK COMM	1 TWISTED PAIR, 18 AWG FPLR (FA2 2 SET OF CABLES)	HONEYWELL CABLE 18/2 SOL FPL 4106, CSFM 7161-1487-0100
1A	VOICE EVAC SPEAKER OUTPUT SIGNAL CIRCUIT CABLE	2 16 AWG (RED/BLACK)	HONEYWELL CABLE 4311, CSFM 7161-1487-0100
1V	STROBE SIGNAL OUTPUT CIRCUIT CABLE	2 14 AWG (RED/BLACK)	HONEYWELL CABLE 4111 CSFM 7161-1487-0100 OR 12 THWN CU.
1A/1V	1A & 1V CABLE	MIN. 3/4" CONDUIT SYSTEM WITH BOTH VOICE EVAC SPEAKER OUTPUT SIGNAL CIRCUIT CABLE AND STROBE SIGNAL OUTPUT CIRCUIT CABLE	REFER TO 1A AND 1V ABOVE FOR CABLE TYPE
2A/2V	(2) SET OF 1A & 1V CABLES	1" CONDUIT SYSTEM WITH (2) SET BOTH VOICE EVAC SPEAKER OUTPUT SIGNAL CIRCUITS CABLES AND STROBE SIGNAL OUTPUT CIRCUITS CABLES OR LOOP	REFER TO 1A AND 1V ABOVE FOR CABLE TYPE
6 STRAND F.O.	6 STRAND FIBER OPTIC	6 STRAND FIBER OPTIC FIRE ALARM CABLES	

- NOTES:
- ALL CABLE SHALL BE INSTALLED PER NEC/CEC PA VOICE CIRCUIT.
 - ALL WIRING SHALL CONFORM TO NEC 760 PART A & C FOR A POWER-LIMITED SUPPLY.
 - ALL WIRING IN WET LOCATIONS SHALL BE THWN, UL LISTED FOR OUTDOOR USE OR EQUAL.
 - ALL FIRE ALARM CABLING SHALL BE RUN IN MINIMUM 3/4" CONDUIT RACEWAY UNLESS OTHERWISE NOTED.

SCOPE OF WORK

PROVISION AND INSTALLATION OF NEW FIRE ALARM "FACP" CONTROL PANEL (AT THE MAIN ADMINISTRATION OFFICE) AND NOTIFICATION DEVICES REQUIRE FOR THE JOAN CAMPION AUDITORIUM BUILDING RESTROOMS RENOVATION. SCOPE OF WORK SHALL INCLUDE, BUT NOT BE LIMITED TO:

- NEW FIRE ALARM CONTROL PANEL NFS2-3030 (WITH ANNUNCIATOR) AT THE MAIN ADMINISTRATION OFFICE. (NOTE: THE FIRE ALARM ANNUNCIATOR SHALL BE VISIBLE FROM THE OFFICE ENTRY RECEPTION AREAS).
- INTERCONNECTION COMMUNICATION TIE-IN, WHICH INCLUDING F.A. WIRING, OUTLETS, RELAYS AND CONTROL MODULES REQUIRE TO MAKE TIE-IN CONNECTIONS BETWEEN THE EXISTING FIRE ALARM PANEL AFP-400 (PER APPROVED A 42546) AND THE NEW "FACP".
- NEW SMOKE DETECTOR AND MANUAL PULL STATION AT THE MAIN OFFICE NEW "FACP" CONTROL PANEL LOCATION".
- PULL NEW FIRE ALARM WIRING AS REQUIRE THROUGH EXISTING CAMPUS UNDERGROUND FIRE ALARM DISTRIBUTION SYSTEM (PER APPROVED A 42546) TO MAKE CONNECTION OF SCHOOL CAMPUS MAIN OFFICE NEW "FACP" AND THE JOAN CAMPION AUDITORIUM BUILDING RESTROOMS NOTIFICATION DEVICES AND POWER SUPPLY.
- INSTALLATION OF NEW FIRE ALARM SYSTEM FLASHER/HORNS POWER SUPPLY AND SMOKE DETECTOR WITHIN THE JOAN CAMPION AUDITORIUM BUILDING MAIN ELECTRIC ROOM TO MAKE CONNECTION TO THE RESTROOM RENOVATION NEW NOTIFICATION FLASHERS AND FLASHER/HORNS DEVICES. CONTRACTOR SHALL INCLUDE ALL FIRE ALARM SYSTEM CONDUIT AND WIRES REQUIRED TO MAKE CONNECTION BETWEEN THE FIRE ALARM SYSTEM POWER SUPPLY AND THE NEW FLASHERS AND FLASHER/HORNS DEVICES REQUIRED IN THIS CONTRACT.

NOTE: THE NEW FIRE ALARM CONTROL PANEL NFS2-3030 SHALL BE SIZED TO ACCOMMODATE THE REMAINDER OF THE EXISTING SCHOOL CAMPUS ALARM FUTURE FIRE ALARM SYSTEM VOICE EVAC PA SOUND EQUIPMENT, SMOKE DETECTION AND NOTIFICATION (VOICE EVAC SPEAKER STROBE) DEVICES PROPOSED FOR A LATER DATE.

THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO CBC 2022 AND NFPA 13 LATEST EDITION

FIRE ALARM SPECIFICATIONS

- STROBES SHALL BE VISIBLE IN ALL LOCATIONS THROUGHOUT THE BUILDING PER NFPA 72, CHAPTER 6, SECTION 6-4.
A. VISUAL DEVICES SHALL NOT EXCEED 2 FLASHER PER SECOND AND SHALL NOT BE SLOWER THAN 1 FLASH EVERY SECOND.
- PROVIDE 24 HOUR TELEPHONE NUMBER OF CENTRAL STATION NEAR ANNUNCIATOR AND FIRE ALARM CONTROL PANEL.
- CONTRACTOR SHALL PROVIDE ALL TESTING AND COMMISSIONING OF SCHOOL CAMPUS NEW FIRE ALARM SYSTEM INSTALLATION AND WORK. ALL PRE-TEST AND FINAL TESTING SHALL OF FIRE ALARM SHALL BE IN-ACCORDANT WITH THE LOCAL SCHOOL DISTRICT STANDARDS AND REQUIREMENT. CONTRACTOR SHALL PROVIDE THE FOLLOWING:
A. SCHEDULE IDENTIFYING THE DATE OF THE FIRE ALARM SYSTEM PRE-TEST AND FINAL TEST.
B. TESTING PROCEDURE PER FIRE DEPARTMENT AND MANUFACTURER RECOMMENDATIONS.
C. TEST REPORTS AND CERTIFICATIONS
- EXISTING FIRE ALARM SYSTEM MUST REMAIN IN PLACE AND MUST BE OPERATIONAL AT ALL TIMES UNTIL NEW SYSTEM IS IN PLACE. WHERE FIRE ALARM SYSTEM IS SHUT DOWN DUE TO RENOVATION, FIRE WATCH MUST BE PROVIDED BY CONTRACTOR. FIRE WATCH MUST BE PROVIDED WHERE SYSTEM IS DISCONNECTED AND MUST REMAIN UNTIL SYSTEM IS RECONNECTED AND COMPLETELY FUNCTIONAL IN ORDER TO MINIMIZE DOWNTIME. CONTRACTOR MUST COMPLETE WORK DURING BUSINESS HOURS AND MAINTAIN FIRE SYSTEM IN FULL OPERATION AFTER HOURS.
- IDENTIFICATION MARKING LABELING, CONTRACTOR SHALL PROVIDE LABELING AS FOLLOWS:
A. MANUAL PULL STATION, CEILING SMOKE OR HEAT DETECTOR SHALL CLEARLY BE LABEL WITH CLEAR BACK SELF ADHESIVE 1/2 " WIDE TAPE WITH 3/8" HIGH BLACK TEXT LETTER LABELING SHALL IDENTIFY THE FIRE ALARM SYSTEM ADDRESSABLE CODE ID ON THE MANUAL PULL STATION, DETECTOR OR HEAT DETECTOR DEVICE COVER.
B. WHERE HEAT DETECTOR ARE PLACE IN ATTIC SPACES, CONTRACTOR SHALL PROVIDE 1/2" WIDE ENGRAVED NAMEPLATE RED FACE/WHITE LETTERS READING "H.D.". IN-ADDITION TO AND LOCATED NEXT TO THE ENGRAVED NAMEPLATE CONTRACTOR SHALL PLACE CLEAR BACK SELF ADHESIVE 1/2 " WIDE TAPE WITH 3/8" HIGH RED TEXT LETTER LABELING IDENTIFYING THE FIRE ALARM SYSTEM ADDRESSABLE CODE ID. SEE LABEL EXAMPLE BELOW. BOTH THE RED ENGRAVED NAMEPLATE AND CLEAR BACK SELF ADHESIVE 1/2 " WIDE TAPE SHALL BE PLACE ON THE T-BAR CEILING TILE GRID (NEAR THE ATTIC HEAT DETECTOR) OR ON ACCESS HATCH CEILING DOOR FRAME.
LABEL EXAMPLE: HEAT DETECTOR IN ATTIC (ID)
- CLEAN-UP
A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN WORK AREA CLEAR OF DEBRIS ON DAILY BASIS DURING CONSTRUCTION.
B. UPON COMPLETION OF THE WORK, THIS CONTRACTOR SHALL REMOVE FROM THE JOBSITE ALL DEBRIS AND UNUSED MATERIALS, TOOLS AND EQUIPMENT RESULTING FROM THIS WORK.
C. ALL ELECTRICAL DEBRIS SHALL BE REMOVED FROM THE JOB SITE. ALL ELECTRICAL EQUIPMENT, DEVICES, MATERIALS AND INSTALLATIONS SHALL BE CLEANED, PATCHING, REPAIRING AND PAINTING SHALL BE DONE PRIOR TO THE CONTRACTOR CALLING FOR FINAL INSPECTION OR FINAL PAYMENT. IT SHALL BE UP TO THE CONTRACTOR CALLING FOR FINAL INSPECTION OR FINAL PAYMENT. IT SHALL BE UP TO THE ARCHITECT/OWNER TO DETERMINE IF THE PRIOR INDICATED ITEMS HAVE BEEN COMPLETED.

NEW FIRE ALARM SYMBOLS LEGEND

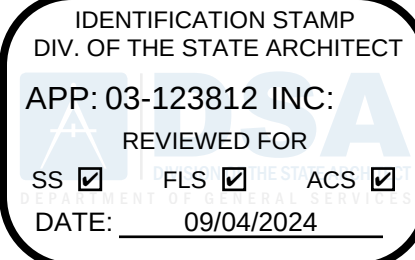
SYMBOL	DESCRIPTION
	NEW ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR. NOTIFIER FSP-951A CSFM 7272-0028-0206 WITH BASE NOTIFIER 8300-6 CSFM 7300-1653-0109
	NEW WALL MOUNTED STROBE (WITH SELECTABLE CANDELA AND WATTAGE TAPS). GENTEX GES3-24WR CSFM:7125-0669-0123 STROBE CANDELA LEVEL 110cd 0.161A, 75cd 0.116A, 60cd 0.097A, 30cd 0.058A, 15cd 0.042A. SPEAKER WATTAGE TAPS 1/8W (73.7 dBA), 1/4W (76.7 dBA), 1/2W (79.6 dBA), 1W (82.5 dBA), 2W (85.4 dBA), 4W (87.9 dBA)
	NEW WALL MOUNTED HORN/STROBE (WITH SELECTABLE CANDELA AND WATTAGE TAPS). NOTIFIER P2RL CSFM LISTING: 7135-1653-0503 STROBE CANDELA LEVEL 110cd 0.162A, 75cd 0.121A, 30cd 0.074A, 15cd 0.054A. SPEAKER WATTAGE TAPS 1/8W (73.7 dBA), 1/4W (76.7 dBA), 1/2W (79.6 dBA), 1W (82.5 dBA), 2W (85.4 dBA), 4W (87.9 dBA)
	NEW MANUAL PULL STATION NOTIFIER NOT-BG12LX CSFM:7150-0028-0199
	WALL JUNCTION BOX, MOUNTING HEIGHT AS INDICATED ON PLAN, SIZE PER N.E.C. U.O.N. SHEET AS INDICATED ON PLAN. 120V, U.O.N. CONTRACTOR SHALL PROVIDE AND INSTALL JUNCTION BOXES SIZE TO ACCOMMODATE QUANTITIES OF WIRES PER N.E.C. SECTION 314.18 AND TABLE 314.18(A). 5" BOX 3/8" SQ. X 3/4"D. BOX.
	NEW FIRE ALARM CONTROL PANEL WITH LCD ANNUNCIATOR. NOTIFIER NFS2-3030 CSFM 7165-0028-0228
	NEW NOTIFIER FIRE ALARM REMOTE POWER SUPPLY CSFM: 7315-0028-0225
	NEW NOTIFIER MONITOR MODULE FMM-1 CSFM:7300-0028-0219
	NEW NOTIFIER CONTROL MODULE CSFM:7300-0028-0219
—FA—	NEW 3/4" FIRE ALARM SYSTEM CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL (WITH ALARM WIRES AS REQUIRED). FA - ONE CABLE, 2FA - TWO SET OF CABLES
—1A/1V—	NEW 3/4" FIRE ALARM SYSTEM CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALL (WITH AUDIO AND VISUAL CABLES). 1V - VISUAL CABLE, 1A - AUDIO VOICE EVAC CABLES

FIRE ALARM SHEET INDEX

Sheet Number	Sheet Title	Current Issue
FA-1	FIRE ALARM GENERAL NOTES SYMBOLS LEGEND & SHEET INDEX	DSA SET
FA-2	FIRE ALARM SITE PLAN	DSA SET
FA-3	FIRE RISER DIAGRAM	DSA SET
FA-4	FIRE ALARM CALCULATIONS	DSA SET

FIRE ALARM SPECIFICATIONS

- THE FIRE ALARM SYSTEM SHALL COMPRISE AUTOMATIC ADDRESSABLE MANUAL PULLS, SMOKE/HEAT DETECTIONS SYSTEM AND CONFORM TO ARTICLE 760 OF THE 2022 CALIFORNIA ELECTRICAL CODE.
- INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHALL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA.
- UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE FIRE MARSHALL OR ENFORCING AGENCY.
- A STAMPED SET OF APPROVED FIRE ALARM PLANS SHALL BE ON THE JOB SITE. AND USED FOR INSTALLATION. ANY DEVIATION FOR THE APPROVED PLANS, INCLUDING THE SUBSTITUTION OF DEVICES, SHALL BE APPROVED BY THE FIRE MARSHALL OR ENFORCING AGENCY.
- DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
- FIRE ALARM DRAWINGS ARE SCHEMATIC IN NATURE ONLY. CONTRACTOR SHALL ROUTE CONDUIT RACEWAY AS FIELD CONDITION PERMIT OR AS INDICATED ON PLANS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND CODE OR RECOGNIZED STANDARDS, SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF RECORD.
- ALL DEVICES OF THE FIRE ALARM SYSTEMS SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHALL.
- A CERTIFICATE OF COMPLETION SHALL BE PREPARED BY THE INSTALLER AND GIVEN TO THE FIRE MARSHALL UPON COMPLETION OF THE INSTALLATION.
- CONSULT INSTALLER PRIOR TO MAKING ANY MODIFICATIONS TO THE SYSTEMS WIRING.
- UPON COMPLETION OF THE INSTALLATION, THE INSTALLER SHALL SUPPLY THE OWNER WITH WRITTEN OPERATING, TESTING AND MAINTENANCE INSTRUCTIONS, POINT-TO-POINT AS-BUILT DRAWINGS AND EQUIPMENT SPECIFICATIONS.
A. THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY AND A COMPLETE TESTING AND INSPECTION FORM SHALL BE PROVIDED FOR LOCAL FIRE AND/OR DSA INSPECTOR SIGNATURE.
- THE NEW PROJECT SUBMITTAL TO INCLUDE DIRECTION THAT THE FOLLOWING TWO DOCUMENTS FROM NFPA 72 ARE TO BE COMPLETED AND SUBMITTED PRIOR TO CLOSE OUT OF THE PROJECT.
A. FIRE ALARM SYSTEM RECORD OF COMPLETION.
B. FIRE ALARM SYSTEM RECORD OF INSPECTION AND TESTING FORM.
- A COPY OF THE COMPLETED AND SIGNED FORM SHALL BE GIVEN TO THE ARCHITECT OR ENGINEER OF RECORD, THE PROJECT INSPECTOR, THE OWNER (SCHOOL OR COMMUNITY COLLEGE DISTRICT) AND THE LOCAL FIRE AUTHORITY.
- ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, U.L. OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
- THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- VISIBLE DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISIBLE DEVICES WITHIN 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.
- UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
- ALL FIRE ALARM WIRING SHALL BE FPL OR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE THHN OR THWN.
- PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.
- SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.
- 120 VAC, 60HZ INPUT POWER FOR THE FIRE ALARM CONTROLS SHALL BE A DEDICATED CIRCUIT BREAKER PROPERLY LABELED "FIRE ALARM".
- 120 VAC IS NOT PERMITTED IN THE SAME CONDUIT WITH LOW VOLTAGE WIRING.
- THE LOCATION OF THE FIRE ALARM CONTROL PANEL AND THE ANNUNCIATOR SHALL BE APPROVED BY THE FIRE MARSHALL OR ENFORCING AGENCY. COMPLY WITH 2022 NFPA 72:26.6.4.1.4.
- ALL OPENINGS IN RATED ASSEMBLIES SHALL BE REPAIRED PER UFC, NEC, UBC AND STANDARD BUILDING CODES ON EFFECT AT THE TIME OF APPROVAL. THE SYSTEM SHALL CONFORM TITLES 19 AND 24 AS APPLICABLE TO THIS PROJECT (CBC PART 2, CH. 7, TITLE 24).
- ALL BACK BOXES SHALL BE AS RECOMMENCED BY MANUFACTURER. CONTRACTOR SHALL LOCATE JUNCTION BOXES AS REQUIRED AND PER CEC CODES.
- ALL PANELS SHALL BE MOUNTED WITH CLEARANCES FOR OBSERVATION AND TESTING, AND ALL FIRE ALARM JUNCTION BOXES SHALL BE MARKED FOR IDENTIFICATION.
- ALL WIRING OF INITIATING DEVICES AND ANNUNCIATOR PANEL SHALL BE SUPERVISED TO THE PRINCIPLE POINT OF ANNUNCIATION (THE FIRE ALARM CONTROL PANEL IS TO SUPERVISE THE ANNUNCIATOR PANEL, ALL CIRCUITS AND INITIATING DEVICES).
- WIRING SHALL NOT BE LOOPED THROUGH DEVICES; WIRE MUST BE CUT FOR IN AND OUT. POINT COMMON ANNUNCIATION AND T-TAPPING ARE PROHIBITED.
A. EXCEPTION: ADDRESSABLE SYSTEMS, MAPNET CONDUCTORS WIRED CLASS "B" MAY BE T-TAPPED.
- ALL FIRE ALARM WIRING SHALL BE RUN IN MINIMUM 3/4" CONDUIT.
A. ALL CONDUIT SIZES SHOWN AND INDICATED ON DRAWING ARE MINIMUMS. CONTRACTOR TO ADJUST SIZES FOR FIELD CONDITIONS (I.E. NUMBER OF BENDS, ETC.) BUT SHALL NOT BE SMALLER THAN 3/4".
- ALL FIRE ALARM SYSTEM WIRING TERMINATIONS IN MAIN PULL BOXES AND TERMINAL CABINETS SHALL BE ON BOX MOUNTED TERMINAL BLOCKS.
- ALL FIRE ALARM WIRING MUST TEST FREE OF OPENS, SHORTS AND GROUNDS. SEE INSTALLATION MANUALS FOR FIELD WIRING SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS.
- (2) PRIMARY PHONE LINE SHALL BE DEDICATED FOR THE FIRE ALARM SYSTEM TO COMMUNICATE WITH U.L. LISTED CENTRAL STATION. COMPLY WITH 2022 NFPA 72: 26.6.4.1.4 OR CITE APPLICABLE EXCEPTION.
- WIRING COLOR CODE SHALL BE CONSISTENT THROUGHOUT THE SYSTEM AND SHALL ALLOW FOR EASY IDENTIFICATION OF INITIATING, INDICATING AND AUXILIARY CIRCUITS.
A. ALL CONDUIT SYSTEM USED FOR FIRE ALARM SYSTEMS SHALL BE RED FINISH RACEWAYS (I.E. EMT) EXCEPT FOR CONDUITS INSTALL OUTSIDE OF BUILDINGS AND EXPOSED AREAS OF OCCUPIED ROOMS (I.E. OFFICES, CLASSROOMS, AUDITORIUMS ETC.).
- CABINET TERMINALS SHALL BE NUMBERED AND CODED. FLEXIBLE CONNECTORS SHALL BE USED FOR DEVICES MOUNTED IN SUSPENDED PANELS.
- THE FIRE DEPARTMENT WILL TEST AND VERIFY ADEQUATE AUDIBILITY BEING PROVIDED THROUGHOUT, PARTICULARLY IN OPEN WORK AREAS AND IN TESTING AREAS.
A. AUDIBLE DEVICES(S) TO BE AT LEAST 15 DBA ABOVE THE AMBIENT SOUND LEVELS, BUT NOT LESS THAN THE 75 DBA AT 10' OR MORE THAN 110DBA AT THE MINIMUM HEARING DISTANCE. AUDIBLE DEVICES SHALL SOUND THE TEMPORAL FIRE ALARM SIGNAL.
B. AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL CODE 3 PATTERN.
- CONDUIT AND JUNCTION BACK BOXES ARE NOT TO BE USED FOR UNRELATED WIRING.
- ALL CONDUIT MOUNTING BOXES, AND PANELS SHALL BE HUNG AND FASTENED WITH FITTINGS TO ENSURE POSITIVE GROUNDING THROUGHOUT THE ENTIRE SYSTEM.
- PLACE THE BOTTOM OF THE WALL MOUNTED STROBE EXACTLY 80" ABOVE THE FLOOR TO BOTTOM OF LENS AND MAKE SURE THE TOP OF THE STROBE IS AT LEAST 6" BELOW THE CEILING. PLACE THE TOP OF THE STROBE 6" BELOW THE CEILING IF THE CEILING IS TOO LOW, AND MAKE SURE IT PROTRUDES LESS THAN 4" IF IN A WALKWAY, CORRIDOR OR AISLE. NOTE THAT THESE MOUNTING REQUIREMENTS ALSO APPLY TO COMBINATION HORN/STROBE OR SPEAKER/STROBE APPLIANCES THAT ARE WALL MOUNTED (NFPA 72, CH.6).
A. MANUAL PULL STATIONS SHALL BE MOUNTED +48" ABOVE FINISHED FLOOR TO CENTER OF BOX. STROBE SHALL BE CEILING OR WALL MOUNTED AT +80" A.F.F. AND EXTERIOR HORNS HALL BE MOUNTED AT +90" A.F.F.
B. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM AND 100" MAXIMUM FROM FINISHED FLOOR AND NO CLOSER THAN 6" TO A HORIZONTAL STRUCTURE.



LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017
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PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS - ADA UPGRADES AND BRIDGE REMOVAL

717 North Figueroa Street
Los Angeles, California 90012

COLIN NUMBER: 10372448

COMMISSIONED ARCHITECT

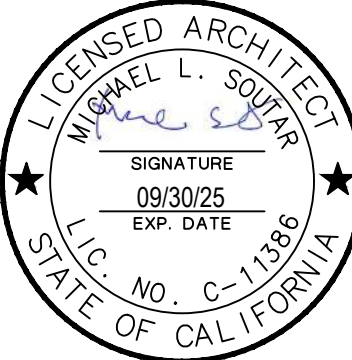
Architects McDonald, Soutar & Paz, Inc.

3575 LONG BEACH BOULEVARD
LONG BEACH, CALIFORNIA 90807
TEL (562) 427-5007 FAX (562) 427-3007
ARCHITECTSMSP.COM

CONSULTANT



STAMPS/SEALS



100% SUBMITTAL

SHEET TITLE:

FIRE ALARM GENERAL NOTES SYMBOLS LEGEND & SHEET INDEX

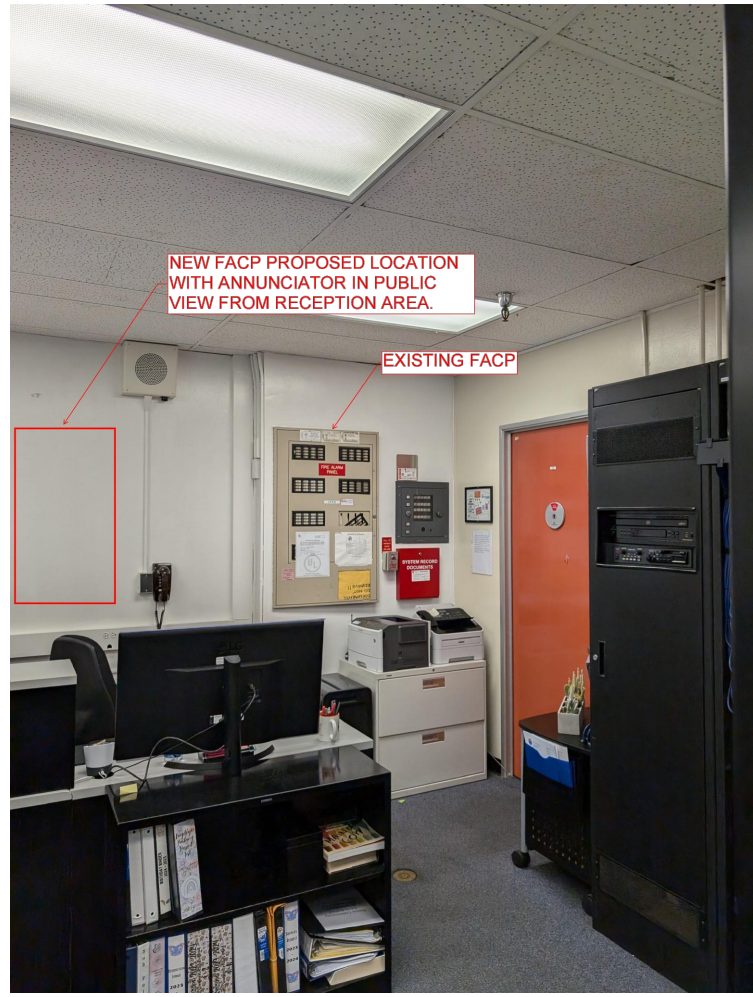
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FA-1

SCALE:
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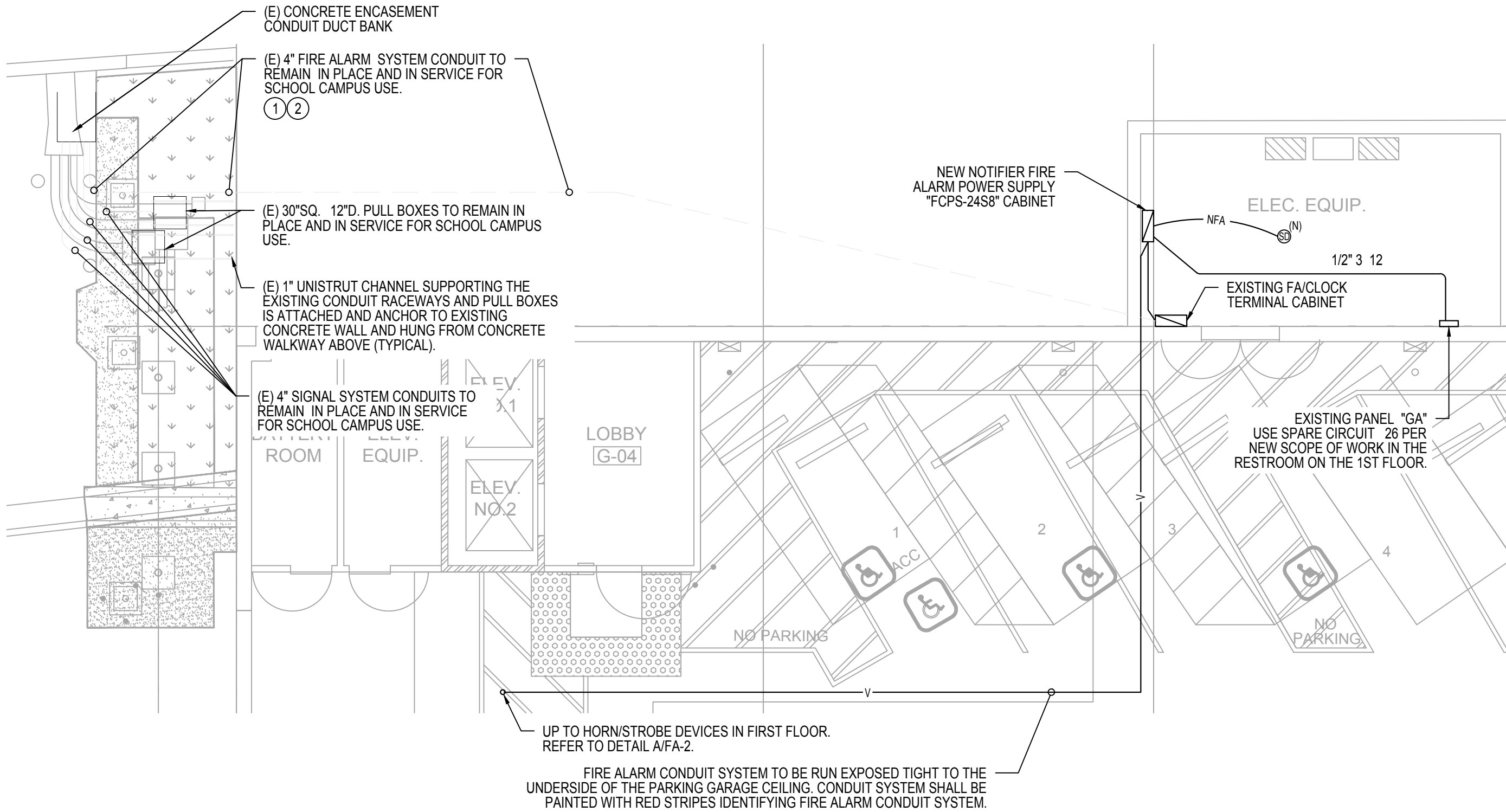
PRINTED DATE: August 29, 2024

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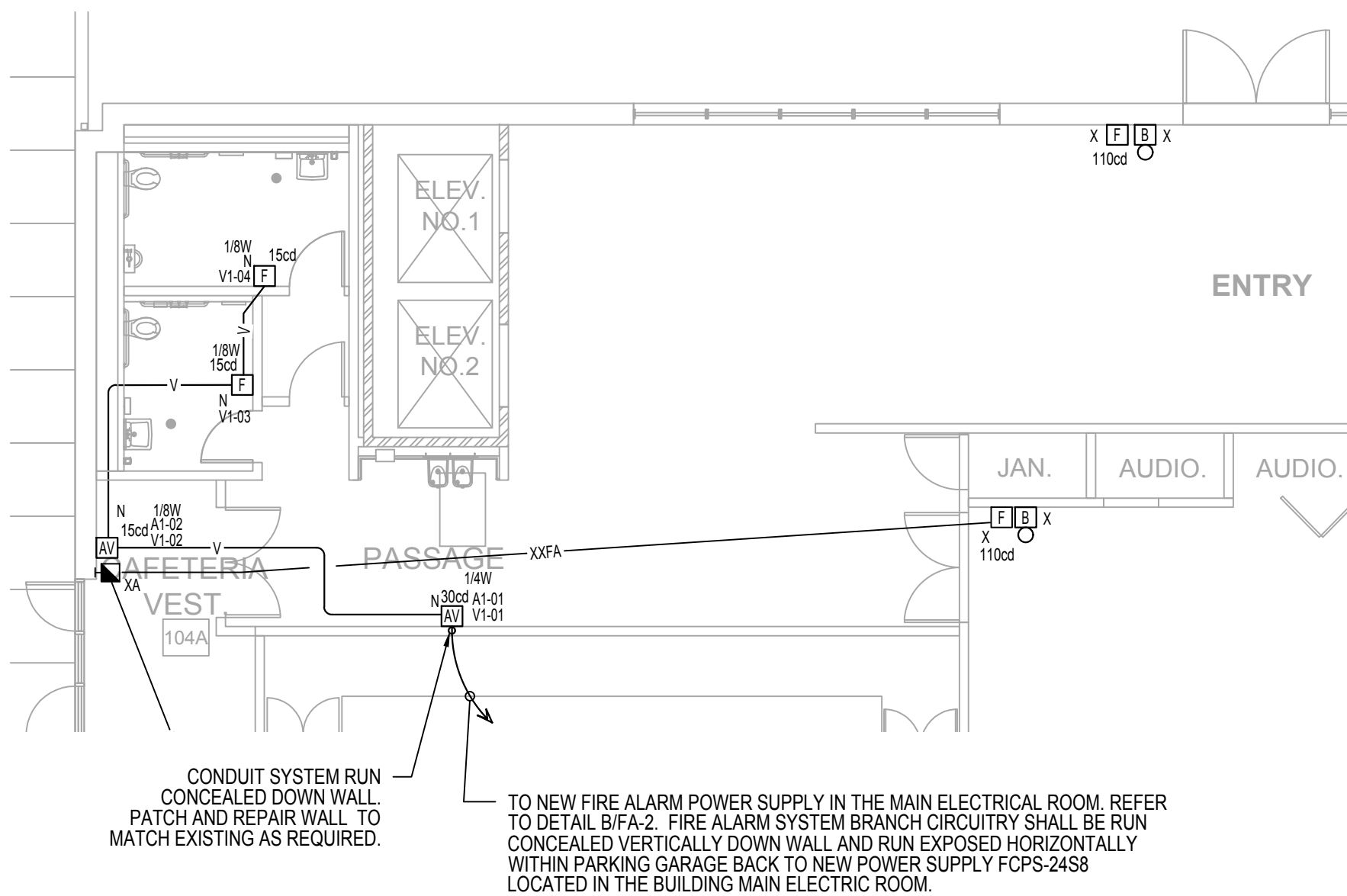
MAIN OFFICE FLOOR PLAN

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



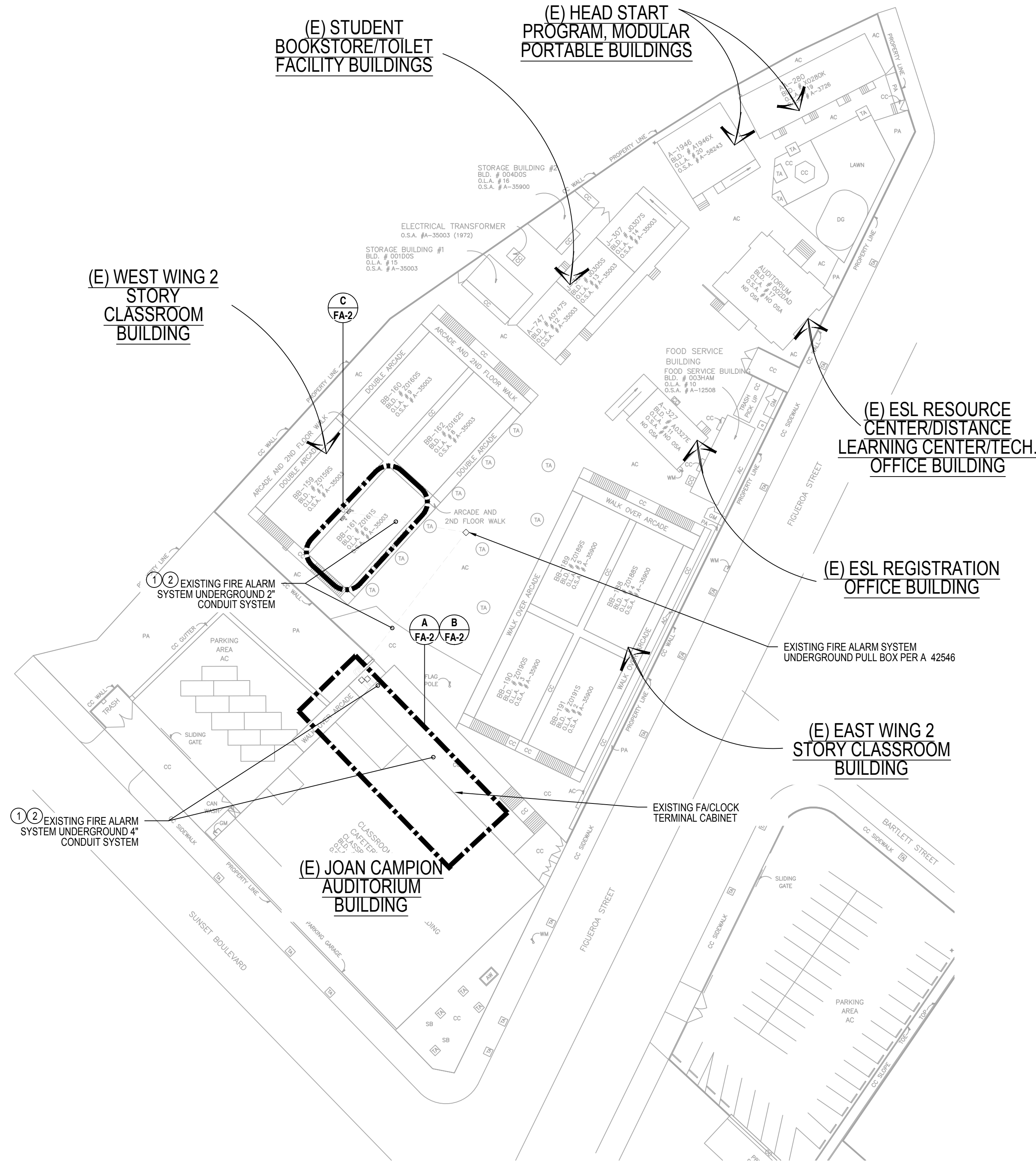
MAIN ELECTRICAL ROOM IN GARAGE LEVEL OF JOAN CAMPION AUDITORIUM BUILDING

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



1ST FLOOR PARTIAL RESTROOM PLAN ON 1ST FLOOR LEVEL

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



REFERENCE NOTES

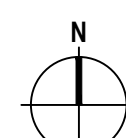
- IT IS THE INTENT TO RE-USE THE EXISTING FIRE ALARM SITE UNDERGROUND CONDUIT SYSTEM PER APPROVED A 42546 FOR THE CONNECTION OF THE NEW "FACP" BEING INSTALLED IN THIS CONTRACT. UPON AWARD OF CONTRACT, CONTRACTOR SHALL INVESTIGATE THE EXISTING FIRE ALARM SYSTEM UNDERGROUND SITE DISTRIBUTION SYSTEM TO DETERMINE THE INTEGRITY AND CONDITION OF THE EXISTING UNDERGROUND CONDUIT SYSTEM. CONTRACTOR SHALL SUBMIT ALL FINDINGS TO A/E FOR THEIR RECORDS AND USE.
 - CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS AND MATERIALS REQUIRED TO REMOVE AND RE-PULL EXISTING FIRE ALARM SYSTEM WIRING FROM EXISTING CONDUIT SYSTEMS. CONTRACTOR SHALL RE-PULL, PULL AND RE-CONNECT BOTH THE NEW AND EXISTING FIRE ALARM CABLE LOW VOLTAGE WIRING THROUGH EXISTING CONDUIT SYSTEM ONCE THE NEW FIRE ALARM EQUIPMENT AND F.A. DEVICES HAVE BEEN INSTALLED IN PLACE AND READY FOR FINAL CONNECTIONS.
- WHERE EXISTING CABLEING GET DAMAGED DUE TO RE-PULLING OF EXISTING CABLEING THROUGH EXISTING CONDUIT SYSTEM, CONTRACTOR SHALL RE-PLACE EXISTING FIRE ALARM CABLEING WITH NEW.

EXISTING FIRE ALARM SYMBOLS

- EXISTING MANUAL PULL STATION UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE ALARM BELL UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE SPRINKLER FLOW SWITCH UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE SPRINKLER TAMPER SWITCH UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE ALARM SMOKE DETECTOR UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FLASHER UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE ALARM CONDUIT UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE ALARM STROBE/SPEAKERS CONDUIT UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.

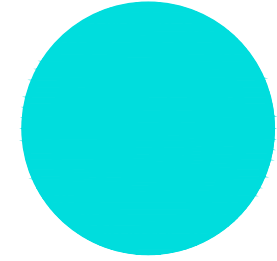
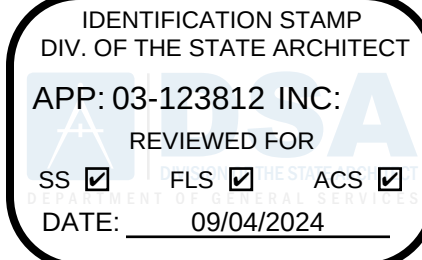
NEW FIRE ALARM SYMBOLS

- NEW FIRE ALARM SMOKE DETECTOR.
- NEW FIRE ALARM HORN/STROBE.
- NEW FIRE ALARM FLASHER.



SCHOOL CAMPUS OVERALL SITE PLAN

SCALE: 1" = 40' 1



LOS ANGELES UNIFIED SCHOOL DISTRICT

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PROJECT TITLE AND SCHOOL LOCATION

EVANS CAS -
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717 North Figueroa Street
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COLIN NUMBER: 10372448

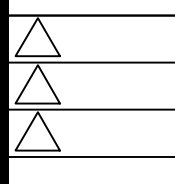
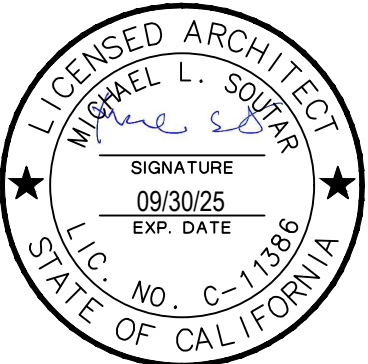
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SHEET TITLE:

FIRE ALARM SITE PLAN

MSP PROJECT NO.: 22-1322 PROJECT ARCH: MSP
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SHEET NUMBER

FA-2

SCALE: DATE: 08.28.24 SHEET: OF:

PRINTED DATE: See Item or 3, 2024

PDF Created on: 8/28/2024 at 2:24 PM File name: H:\PROJECTS\264 MSP ARCHITECTS\23-001 - LAUSD RAISED WALKWAY AT EVANS COMM ADULT SCHOOL\01 - CAD\FIRE ALARM\FA-3 FIRE RISER DIAGRAM.DWG PLOTTED PAPER SIZE (DRAWING HAS BEEN SCALED IF DIFFERENT): ARCH FULL BLEED D (24.00 X 36.00 INCHES) PLOT SCALE: 1:1 PLOT STYLE: BREEN DESIGN GROUP.STB LAST SAVED BY: FTUTOE

(E) NOTIFIER 4800 SERIES FIRE ALARM MATRIX SEQUENCE OF OPERATION

	MANUAL PULL STATION	AREA SMOKE DETECTOR	SPRINKLER WATER FLOW SWITCH	POWER FAILURE	ELEVATOR SMOKE DETECTORS (NOTE 1)	ELEVATOR HEAT DETECTORS (NOTE 1)	ALARM, NOTIFY (N) NOTIFIER NFS2-3030 SERIES FACP AND U.L. LISTED CENTRAL STATION
(E) ANNUNCIATE ALARM AT FACP AND ANNUNCIATOR AND U.L. LISTED CENTRAL STATION	YES	YES	YES	NO	YES	YES	YES
(E) ANNUNCIATE SUPERVISORY AT FACP AND ANNUNCIATOR AND U.L. LISTED CENTRAL STATION	NO	NO	NO	NO	N/A	N/A	YES
(E) ANNUNCIATE TROUBLE AT FACP AND ANNUNCIATOR AND U.L. LISTED CENTRAL STATION	NO	NO	NO	YES	N/A	N/A	YES
(E) ACTIVATE AUDIO/VISUALS	YES	YES	YES	NO	N/A	N/A	YES
(E) ACTIVATE FIRE SPRINKLER BELL	NO	NO	YES	NO	NO	NO	NO
(E) ELEVATOR RECALL	NO	YES	YES	NO	YES	YES	YES

NOTE:
1. 120V SMOKE DETECTOR WITH AUX N/O CONTACT TO ACTIVATE ELEVATOR RE-CALL
2. AT TIME OF EXISTING FIRE ALARM INSTALLATION OF 1980, STATE ELEVATOR CODE REGULATION ANSI 17.1 REQUIRING ELEVATOR SHUT-DOWN WAS NOT A ANSI CODE REQUIREMENT.

EXISTING FIRE ALARM SYMBOLS

- EXISTING MANUAL PULL STATION UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE ALARM BELL UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE SPRINKLER FLOW SWITCH UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE SPRINKLER TAMPERS SWITCH UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE ALARM SMOKE DETECTOR UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE ALARM STROBE UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE ALARM CONDUIT UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.
- EXISTING FIRE ALARM STROBE/SPEAKERS CONDUIT UNLESS OTHERWISE NOTED TO REMAIN IN PLACE AND IN SERVICE FOR SCHOOL USE.

FIRE ALARM CONDUIT SYSTEM SYMBOL

- NEW FIRE ALARM SYSTEM CONDUIT RACEWAY INSTALLATION (MINIMUM 1" CONDUIT). NEW CONDUIT INSTALLATION SHALL BE RUN CONCEALED IN WALL OR ABOVE THE EXISTING CEILING. CONTRACTOR SHALL PROVIDE AND PULL NEW FIRE ALARM SYSTEM WIRING AS REQUIRED AND AS SHOWN ON FIRE ALARM RISER DIAGRAM AND FLOOR PLANS.
- NEW FIRE ALARM SYSTEM CONDUIT RACEWAY INSTALLATION (MINIMUM 1/2" CONDUIT WITH #12 THHN CU). NEW CONDUIT INSTALLATION SHALL BE RUN CONCEALED IN WALL OR ABOVE THE EXISTING CEILING. CONTRACTOR SHALL PROVIDE AND PULL NEW FIRE ALARM SYSTEM WIRING AS REQUIRED AND AS SHOWN ON FIRE ALARM RISER DIAGRAM AND FLOOR PLANS.

(N) NOTIFIER NFS2 #3030 SERIES FIRE ALARM MATRIX SEQUENCE OF OPERATION

	MANUAL PULL STATION	AREA SMOKE DETECTOR	SPRINKLER WATER FLOW SWITCH	POWER FAILURE	ELEVATOR SMOKE DETECTORS	ELEVATOR HEAT DETECTORS	ALARM, NOTIFY (E) NOTIFIER 4800 SERIES FACP AND U.L. LISTED CENTRAL STATION
(N) ANNUNCIATE ALARM AT FACP AND ANNUNCIATOR AND U.L. LISTED CENTRAL STATION	YES	YES	YES	NO	YES	YES	YES
(N) ANNUNCIATE SUPERVISORY AT FACP AND ANNUNCIATOR AND U.L. LISTED CENTRAL STATION	NO	NO	NO	NO	NO	NO	YES
(N) ANNUNCIATE TROUBLE AT FACP, ANNUNCIATOR, AND U.L. LISTED CENTRAL STATION	NO	NO	NO	YES	NO	NO	YES
(N) ACTIVATE AUDIO/VISUALS	YES	YES	YES	NO	YES	YES	YES
(N) ACTIVATE SPRINKLER BELL	NO	NO	YES	NO	NO	NO	YES
(N) ELEVATOR RECALL	NO	YES	YES	NO	YES	YES	YES

BIDDING CONSTRUCTION NOTES

FOR THE EVAN S CAS BRIDGE REMOVAL PROJECT THE INTENT OF THIS CONTRACT IS TO PROVIDE A PARTIALLY NEW AUTOMATIC FIRE ALARM DETECTION SYSTEMS. NEW TOILET ROOM FLASHERS INSTALLATION AT THE EVANS COMMUNITY ADULT SCHOOL CAMPUS.

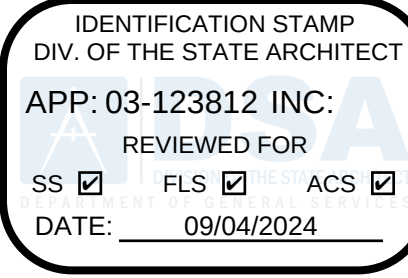
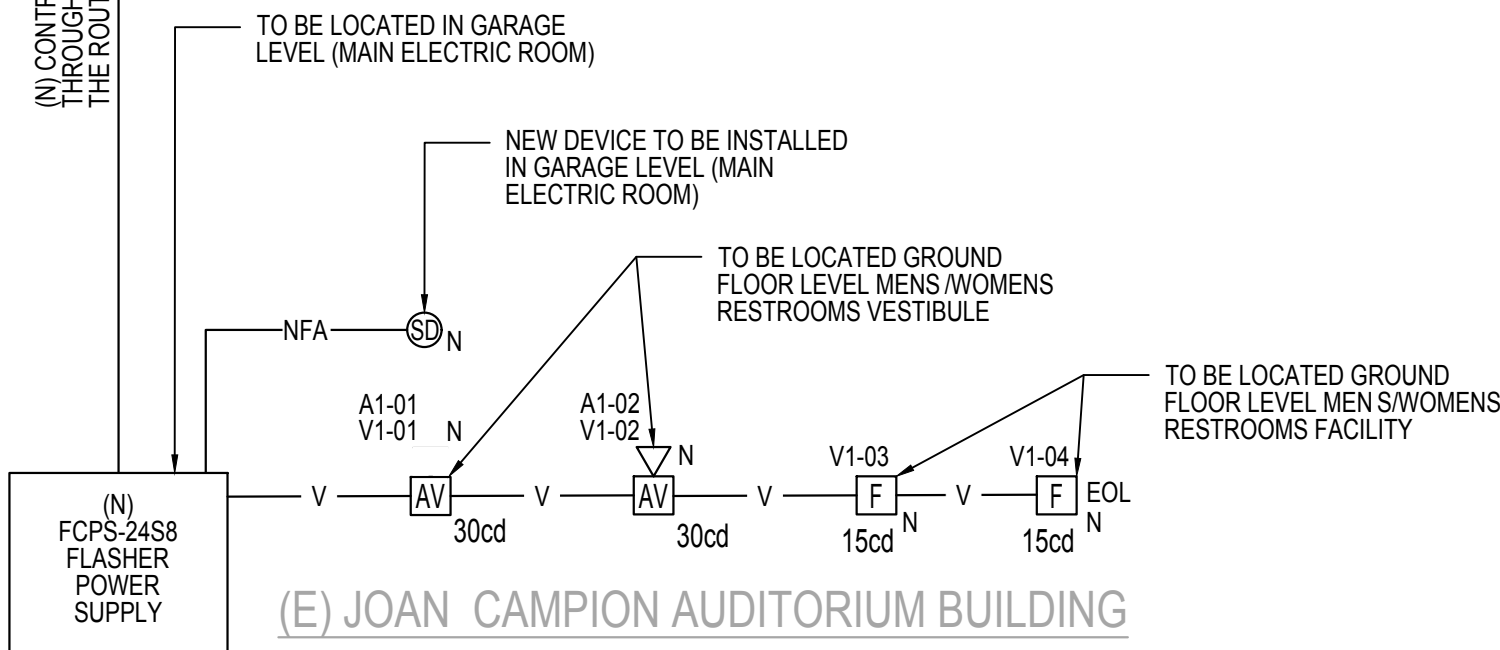
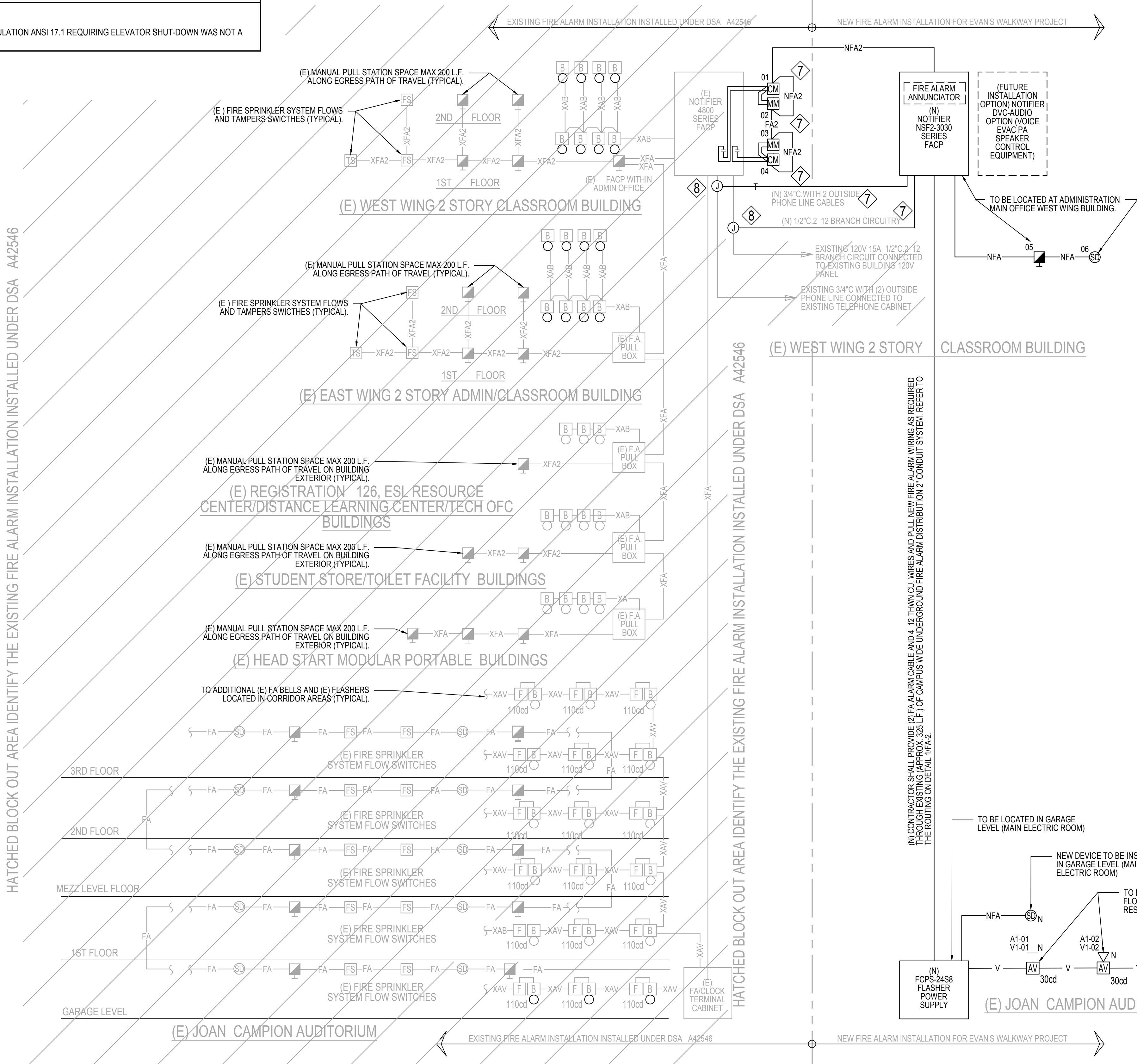
THE FIRE ALARM SYSTEM PLANS HAVE BEEN DEVELOPED FROM AS-BUILT AND PRELIMINARY SITE INVESTIGATION VISITS AND ARE DIAGRAMMATIC. NOT ALL WORK SHOWN MAY BE ACCURATE AND MAY HAVE TO BE FIELD VERIFIED DURING CONSTRUCTION.

CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS AND MATERIAL REQUIRED TO EXECUTE THE FOLLOWING FIRE ALARM SYSTEM SCOPE OF WORK. WORK SHALL INCLUDE, BUT NOT BE LIMITED TO:

- UPON AWARD OF CONTRACT AND PRIOR TO START OF WORK CONDUCT SITE INVESTIGATION TO VERIFY AND CONFIRM THE EXISTING FIRE ALARM SYSTEM INSTALLATION AT EACH SCHOOL CAMPUS. SUBMIT ANY UNFORESEEN INVESTIGATION FINDING THAT ARE DIFFERENT TO THE WORK SHOWN ON THE PLANS TO ARCHITECT AND ENGINEER FOR REVIEW AND RESOLUTION.
- COMPLETE NEW AT SCHOOL CAMPUS A. PARTIAL FULLY COMMISSIONED, COMPLETE AND OPERABLE FULLY AUTOMATIC FIRE ALARM DETECTION SYSTEMS (NOTIFIER NFS2-3030), FLASHER REMOTE FOPS-24 POWER SUPPLY AND (2) FLASHER 15cd STROBE DEVICES.

- THE NEW FIRE ALARM CONTROL PANEL "FACP" (NOTIFIER NFS2-3030) SHALL BE SUFFICIENTLY SIZE TO ACCOMMODATE AND COVER THE ENTIRE SCHOOL CAMPUS. ALL NEW AND FUTURE CAMPUS WIDE FIRE ALARM SYSTEM UPGRADE AT LATER DATE, AND THIS INCLUDES FUTURE CAMPUS WIDE ALARM DEVICES (I.E. ADDRESSABLE SMOKE DETECTORS, HEAT DETECTORS, CONTROL RELAY/MONITOR MODULES, SPEAKER/FLASHERS UNITS, ETC) INSTALLATION.

- BOTH THE SCHOOL CAMPUSES EXISTING FIRE ALARM FACP (NOTIFIER 4800 SERIES) AND THE NEW FIRE CONTROL PANEL "FACP" (NOTIFIER NFS2-3030) SHALL BE INTER-CONNECT WITH ADDRESSABLE CONTROL RELAY AND MONITOR MODULES AND SHALL BE PROGRAM TO COMMUNICATE BOTH THE ALARM AND NOTIFICATION SIGNAL AND BETWEEN THE SCHOOL CAMPUS NEW AND EXISTING FIRE ALARM CONTROL PANELS.
- UNLESS OTHERWISE NOTED CONTRACTOR SHALL PROVIDE ALL LABOR, TOOLS AND MATERIAL AS REQUIRED FOR A FIRE WATCH. FIRE WATCH SHALL BE PROVIDED WHEN THE EXISTING FIRE ALARM SYSTEM AND WORK IS DAMAGE, INTERRUPTED OR DOWN DURING THE PERIOD OF CONSTRUCTION.
- THE INTENT OF THIS CONTRACT IS TO REUSE THE EXISTING 120V ELECTRICAL BRANCH CIRCUITRY (CURRENTLY CONNECTED TO THE EXISTING FACP NOTIFIER 4800 SERIES) AND MAKE 120V ELECTRICAL CONNECTION TO THE NEW FIRE ALARM SYSTEMS "FACP" BEING INSTALLED IN THIS CONTRACT.
- PROVIDE ALL PROGRAMMING, TESTING AND COMMISSIONING, AS REQUIRED, WARRANTIES, TRAINING, AND INCLUDING AS-BUILT RECORDS ON FIRE ALARM SYSTEM INSTALLATION.
- NOT USED.
- AT ADMINISTRATION OFFICE PROVIDE ALL LABOR, TOOLS AND MATERIAL REQUIRED TO INTER-CONNECT NEW AN EXISTING FIRE ALARM SYSTEM "FACP'S" PANELS. INCLUDING ALL FIRE ALARM SYSTEM CONDUIT AND WIRING 1/2" WITH 4 14 FIRE ALARM WIRES AND/OR AS REQUIRED.
- INTERCEPT EXISTING 120V AND FA BRANCH CIRCUITRY (CONDUIT AND WIRES) AND EXTEND NEW WORK AS SHOWN.



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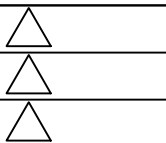
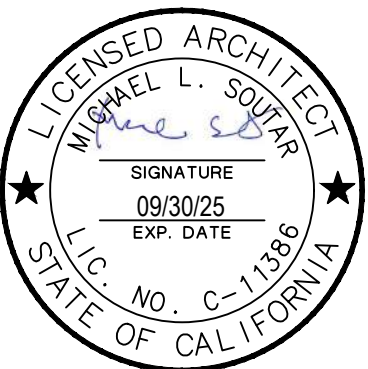
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STAMPS/SEALS



SHEET TITLE:

FIRE RISER DIAGRAM

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FA-3

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PRINTED DATE: August 28, 2024

DWf/PDF Created On: Aug 29, 2024 - 10:47am Plotted By: flutoe Filename: H:\Projects\244 MSP Architects\244 MSP Architects\23-001 - LAUSD RAISED WALKWAY AT EVANS COMM ADULT SCHOOL\01 - CAD\Fire Alarm\FA-4 FIRE ALARM CALCULATIONS.dwg PLOTTED PAPER SIZE (DRAWING HAS BEEN SCALED IF DIFFERENT) ARCH EXPAND D (24.00 X 36.00 INCHES) PLOT SCALE: 1:1 PLOT STYLE: PDF & DWF STB

FCPS-24S8 NOTIFICATION CIRCUIT VOLTAGE DROP CALCULATION															
	CEILING STROBE	CEILING STROBE	CEILING AUDIBLE/ STROBE	CEILING AUDIBLE/ STROBE	CEILING AUDIBLE/ STROBE	CEILING AUDIBLE/ STROBE	WALL AUDIBLE/ STROBE	AUDIBLE/ HORN	TOTAL AMPS	WIRE SIZE	DISTANC E	PERCENT VOLTAGE DROP	END OF LINE VOLTS	PANEL	CIRCUIT LOCATION
CIRCUIT NO.	15CD	30CD	15CD	30CD	75CD	95CD	110CD	–	(A)	AWG	(FEET)	(%)	(V)		
	0.040	0.058	0.045	0.072	0.128	0.171	0.155	0.044							
①	V1	2	2						0.196	#12	85	0.274	23.934	FCPS–24S8	AUDITORIUM
①	A1							2	0.088	#12	84	0.122	23.971	FCPS–24S8	
	SPARE														
	SPARE														

FACP (NSF2 3030) BATTERY CALCULATION (WEST WING BUILDING)					
QTY	DESCRIPTION	SUP.	SUP CURRENT	ALARM	ALARM CURRENT
1	MAIN CIRCUIT BOARD	0.120000	0.120000	0.170000	0.170000
1	DACT-UD2	0.100000	0.100000	0.132000	0.132000
1	SLC-2LS EXPENDER MODULE	0.085000	0.085000	0.085000	0.085000
0	4XMTF	0.120000	0.000000	0.170000	0.000000
1	IPDACT-2	0.120000	0.120000	0.170000	0.170000
0	IPDATC-2/2UD	0.120000	0.000000	0.170000	0.000000
ANN-BUS DEVICES					
1	ANN-80(-W)	0.015000	0.015000	0.040000	0.040000
1	ANN-LED	0.028000	0.028000	0.088000	0.088000
1	ANN-RLED	0.028000	0.028000	0.088000	0.088000
0	ANN-RLY	0.015000	0.000000	0.075000	0.000000
1	ANN-1/0	0.035000	0.035000	0.200000	0.200000
0	ANN-6/PG	0.045000	0.000000	0.045000	0.000000
ACB ANNUNCIATORS					
1	LCD-160	0.025000	0.025000	0.064000	0.064000
RESETTABLE POWER					
0	4-WIRE DETECTOR HEADS	0.000000	0.000000	0.000000	0.000000
ADDRESSABLE DEVICES					
0	BEAM355	0.002000	0.000000	0.000000	0.000000
0	BEAM3669	0.002000	0.000000	0.000000	0.000000
0	BEAM1224	0.017000	0.000000	0.000000	0.000000
0	CP355	0.000300	0.000000	0.000000	0.000000
119	FSP-951(A)	0.000300	0.035700	0.006500	0.773500
2	FSP-951(A)	0.000300	0.000600	0.006500	0.013000
53	FST-951	0.000300	0.015900	0.006500	0.344500
6	BG-12LX	0.000230	0.001380	0.000500	0.003000
0	CMF-300	0.000390	0.000000	0.000000	0.000000
1	MAXIMUM ALARM DRAW FOR ADDRESSABLE DEVICE (SLC 1)		0.400000	0.400000	
1	MAXIMUM ALARM DRAW FOR ADDRESSABLE DEVICE (SLC 2)		0.400000	0.400000	
0	MAXIMUM ALARM DRAW FOR ADDRESSABLE DEVICE (SLC 3)		0.400000	0.000000	
0	MAXIMUM ALARM DRAW FOR ADDRESSABLE DEVICE (SLC 4)		0.400000	0.000000	
		TOTAL SUP:	0.609580	TOTAL ALARM	2.971000
SUPERVISORY CURRENT: TOTAL SUP X24 (#HRS) =			14.629920	AMP/HRS	
ALARM CURRENT X 15/60 (HRS OF ALARM) =			0.742750	AMP/HRS	
BATTERY CAPACITY REQUIRED =			15.372670	AMP/HRS	
PLUS (+) 30% DERATING FACTOR =			4.611801		
TOTAL SECONDARY REQUIRED =			19.984471		
BATTERIES PROVIDED WITH CHARGING SYSTEM =			62.780883	(2 PCS)	
AVAILABLE SPARE =			42.796412		

AMPS-24E (NFS2 3030) BATTERY CALCS					
QTY	DESCRIPTION	SUP.	SUP CURRENT	ALARM	ALARM CURRENT
1	MAIN PC BOARD	0.065000	0.065000	0.145000	0.145000
1	POWER SUPERVISION RELAYS	0.025000	0.025000	0.025000	0.025000
0	AUXILIARY CURRENT DRAW				
	FROM TB TERMINALS 9 &10				
	TOTAL ALARM CURRENT FROM NFS2 3030		0.60958000		2.97100000
12	STROBE LIGHT 15cd			0.055000	0.660000
0	STROBE LIGHT 30cd			0.679000	0.000000
0	STROBE LIGHT 15/75cd			0.180000	0.000000
2	STROBE LIGHT 75cd			0.180000	0.360000
3	STROBE LIGHT 110cd			0.224000	0.672000
0	STROBE LIGHT 115cd			0.290000	0.000000
			0.000000		0.000000
		TOTAL SUP:	0.699580	TOTAL ALARM	4.833000
SUPERVISORY CURRENT: TOTAL SUP X24 (#HRS) =			16.789920	AMP/HRS	
ALARM CURRENT X 15/60 (HRS OF ALARM) =			1.208250	AMP/HRS	
BATTERY CAPACITY REQUIRED =			17.998170	AMP/HRS	
PLUS (+) 30% DERATING FACTOR =			5.399451		
TOTAL SECONDARY REQUIRED =			23.397621		
BATTERIES PROVIDED WITH CHARGING SYSTEM =			36.000000	(2 PCS)	
AVAILABLE SPARE =			12.602379		

NOTE:
MAIN FIRE ALARM FACP TO BE SIZED AND HAVE BATTERY CAPACITY (OR BATTERY SPACE) TO ACCOMMODATE THE ENTIRE CAMPUS.

REFERENCE NOTE

- ① NEW FIRE ALARM DEVICES ADDED IN THIS CONTRACT.

GENERAL NOTE

- ① REFER TO A#42546 FOR FIRE ALARM AS-BUILTS FOR MORE INFORMATION ON THE APPROVED FIRE ALARM CALCULATIONS OF THE WHOLE SCHOOL CAMPUS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-123812 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 09/04/2024



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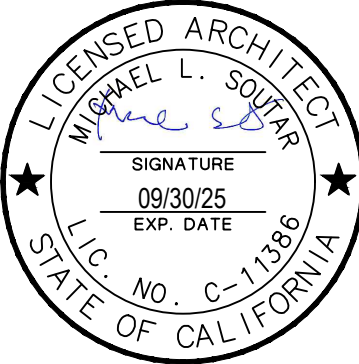
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FIRE ALARM CALCULATIONS

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