



8163 Rochester Avenue
Rancho Cucamonga, CA 91730
P. +1 909-987-0909
PBK.com

October 6, 2023

TO : All Bidders
FROM : Bob Lavey
PROJECT : Nogales High School Interim Locker and Restroom Portables
Project 230384.41
SUBJECT : Addendum 2
DSA : 04-123338 / File 33-13

The following changes, omissions, and/or additions to the Project Manual and/or Drawings shall apply to proposals made for and to the execution of the various parts of the work affected thereby, and all other conditions shall remain the same.

Careful note of the Addendum shall be taken by all parties of interest so that the proper allowances may be made in strict accordance with the Addendum, and that all trades shall be fully advised in the performance of the work which will be required of them.

Bidder shall acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

In case of conflict between Drawings, Project Manual, and this Addendum, this Addendum shall govern.

2. PROJECT MANUAL

- 2.0 Include the attached Addendum 2 by Ledesma & Meyer Construction Company, Inc. dated October 11, 2023 as part of the Project Manual.

DRAWINGS

Architectural

2.1 DRAWING A1.1 OVERALL SITE PLAN

- A. Relocated the new drinking fountain per the attached Drawing A1.1.

2.2 DRAWING 1.2 ENLARGED SITE PLAN

- A. New Site Plan 6: Added note for existing chain link fence to remain per the attached Drawing A1.2.
- B. Detail 7: Added note for existing wheel stop to be removed per the attached Drawing A1.2.
- C. Detail 20: Revised reference for concrete footing per the attached Drawing A1.2.
- D. Detail 23: Added notes for pipe size and anchorage per the attached Drawing A1.2.
- E. Revised detail reference on Keynote 0107 per the attached Drawing A1.2.
- F. Added note for contractor to provide restroom signage per the attached Drawing A1.2.
- G. Added note for contractor to provide Haws Drinking Fountain Model H1117.8 per the attached Drawing A1.2.

Addendum 2
Nogales High School Interim Locker and Restroom Portables
Project 230384.41
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Page 2

Civil

2.3 DRAWING C1.01 UTILITY PLAN

- A. Added two cleanouts and thrust blocks with a detail per the attached Drawing C1.01.

Electrical

2.4 DRAWING E0.1 ELECTRICAL GENERAL NOTES AND SYMBOLS

- A. Detail 1: Added Note 6 per the attached Drawing E0.1.
- B. Detail 2: Removed detail per the attached Drawing E0.1.
- C. Revised the Electrical Symbol List per the attached Drawing E0.1.

2.5 DRAWING E1.1 POWER SITE PLAN

- A. Revised Reference Notes 4 through 6 to be existing per the attached Drawing E1.1.

2.6 DRAWING E1.2 SIGNAL SITE PLAN

- A. Revised Reference Notes 4 and 8 along with General Note 3 per the attached Drawing E1.2.

2.7 DRAWING E2.1 FIRE ALARM PLAN

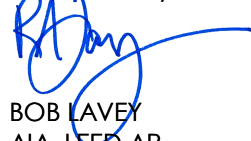
- A. Revised Reference Notes 2 through 7, revised General Notes and Signal Reference Notes per the attached Drawing E2.1.

2.8 DRAWING E4.1 SINGLE LINE AND AV WIRING DIAGRAM

- A. Revised Single Line Diagram and revisions to reference notes 1 and 3 per the attached Drawing E4.1.

END OF ADDENDUM 2

Submitted by,



BOB LAVEY
AIA, LEED AP
Managing Partner, Architect



RL:PF:br/P4230384x2-add

Attachment: Drawings A1.1, A1.2, C1.01, E0.1, E1.1, E1.2, E2.1, E4.1



LEDESMA & MEYER CONSTRUCTION COMPANY INC.

9441 Haven Avenue, Rancho Cucamonga, CA 91730-5435 Tel: (909) 476-0590 Fax: (909) 476-0592 License: #735139

October 11, 2023

ADDENDUM NO. 2

2.1 Reference Addendum 1, Item 1.4. Replace work scope item 96 in its entirety as referenced below:

Work Scope Item 96 - The General Contractor shall be responsible to provide and install the interior drinking fountain indicated on plan A1.1 and Details on 23/A1.2 and CMSK-4. General Contractor YES

2.2 Add in its entirety CMSK-4 with the attached.

Included Attachments:

- CMSK-4 – Drinking Fountain Existing Conditions



DRINKING FOUNTAIN - EXISTING CONDITIONS

NOT TO SCALE

GENERAL NOTES

1 - GENERAL CONTRACTOR SHALL CAREFULLY DISCONNECT, REMOVE AND TURN OVER TO DISTRICT THE EXISTING BOTTLE FILLER.

2 - GENERAL CONTRACTOR SHALL CUT AND PATCH EXISTING CERAMIC TILE, DRYWALL INCLUDING PAINT, AND FLOORING AS REQUIRED TO INSTALL NEW WORK. PATCHING SHALL MATCH EXISTING CONSTRUCTION AND FINISH.

3- GENERAL CONTRACTOR DEMOLISH THE EXISTING HAND RAILS AND PATCH FLOOR TO MATCH EXISTING CONSTRUCTION AND FINISH.

4- GENERAL CONTRACTOR SHALL INTERCEPT, RE-ROUT AND EXTEND EXISTING PLUMBING AS REQUIRED TO MAKE FINAL CONNECTIONS TO THE NEW HIGH LOW DRINKING FOUNTAIN. THIS SHALL INCLUDE INSTALLING WATER FILTER MODEL 6426, 10"x 2" IN-LINE LEAD REMOVAL ELEMENT.

5 - GENERAL CONTRACTOR SHALL INTERCEPT, RE-ROUT AND EXTEND THE EXITING ELECTRICAL AND MAKE FINAL CONNECTION TO NEW HIGH LOW DRINKING FOUNTAIN.

6 - GENERAL CONTRACTOR SHALL DEMOLISH EXISTING WALL MOUNTED DISPLAY CASE INCLUDING PATCH AND PAINT THE AREA TO MATCH ADJACENT WALL FINISH AND CONSTRUCTION.

7 - GENERAL CONTRACTOR SHALL PROVIDE ALL ROUGH FRAMING AND BLOCKING REQUIRED FOR THE INSTALLATION OF THE NEW DRINKING FOUNTAIN.



LEDESMA & MEYER
CONSTRUCTION COMPANY INC.

ROWLAND UNIFIED SCHOOL DISTRICT

**NOGALES HIGH SCHOOL
PORTABLE LOCKER & RESTROOM INTERIM HOUSING**

Project Address: 401 NOGALES ST, SOUTH SAN JOSE HILLS, CA 91744

Client:

Project:

PROJECT NUMBER:

2110000

Date:

10/10/2023

Addendum:

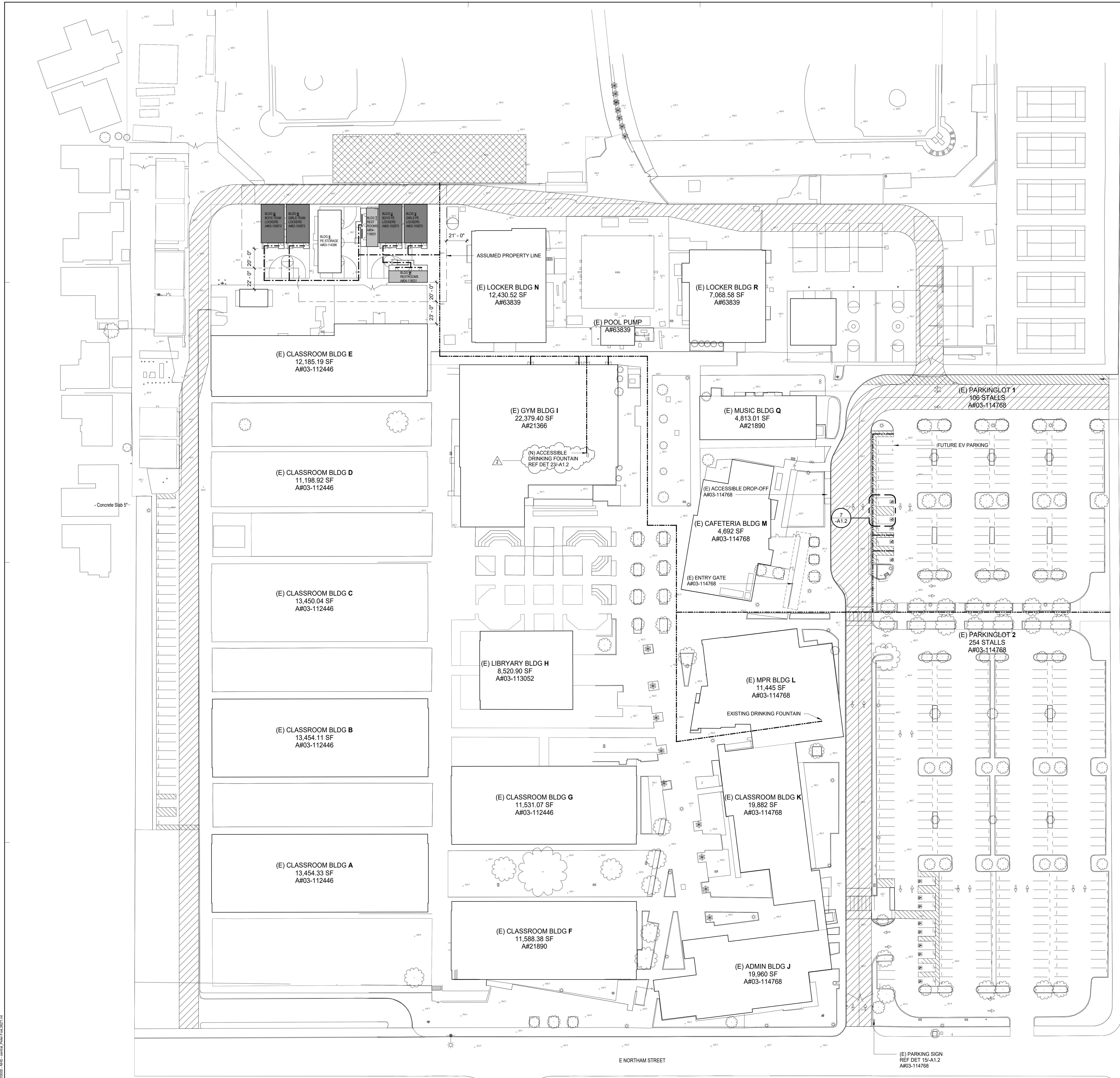
2

Sheet:

CMSK - 4

Description:

DRINKING FOUNTAIN



DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
 THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT 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 SPECIFICATION INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO 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 CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCE, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

NOTES:
 1. FOR GRATING LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAY IN THE PATH OF TRAVEL, GRID OPENINGS IN GRATING SHALL BE LIMITED TO 1/2" MAX PERPENDICULAR TO THE DIRECTION OF TRAFFIC FLOW.
 2. GATES IN PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQUIREMENTS (SEE SECTION 2022 CBC SECTION 119-404.2)

(E) POT A#03-114768
 (N) POT

PATH OF TRAVEL					1" = 40'-0"
STALL TYPES					
ACCESSIBLE PARKING SPACE REQ'D (2019 CBC TABLE 11B-208.2)	STANDARD	ACCESSIBLE		TOTAL	
		VAN	STANDARD		
PARKING LOT 1	103	1	4	110	
PARKING LOT 2	254	2	7	263	
EV PARKING	1	1	0	2	

(E) PARKING SIGN REF DET 15-A1.2 A#03-114768

(E) LOCKER BLDG N
12,430.52 SF
A#63839

(E) LOCKER BLDG R
7,068.58 SF
A#63839

(E) CLASSROOM BLDG E
12,185.19 SF
A#03-112446

(E) GYM BLDG I
22,379.40 SF
A#21366

(E) CLASSROOM BLDG D
11,198.92 SF
A#03-112446

(E) MUSIC BLDG Q
4,813.01 SF
A#21890

(E) CLASSROOM BLDG C
13,450.04 SF
A#03-112446

(E) CAFETERIA BLDG M
4,692 SF
A#03-114768

(E) CLASSROOM BLDG B
13,454.11 SF
A#03-112446

(E) LIBRARY BLDG H
8,520.90 SF
A#03-113052

(E) ENTRY GATE
A#03-114768

(E) CLASSROOM BLDG A
13,454.33 SF
A#03-112446

(E) MPR BLDG L
11,445 SF
A#03-114768

(E) CLASSROOM BLDG G
11,531.07 SF
A#03-112446

(E) CLASSROOM BLDG K
19,882 SF
A#03-114768

(E) CLASSROOM BLDG F
11,586.38 SF
A#21890

(E) ADMIN BLDG J
19,960 SF
A#03-114768

(E) PARKING LOT 1
109 STALLS
A#03-114768

(E) PARKING LOT 2
254 STALLS
A#03-114768

(E) PARKING SIGN REF DET 15-A1.2 A#03-114768

(E) PARKING SIGN REF DET 15-A1.2 A#03-114768

(E) PARKING SIGN REF DET 15-A1.2 A#03-114768

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(E) PARKING SIGN REF DET 15-A1.2 A#03-114768



RANCHO CUCAMONGA
 8163 Rochester Avenue, Suite 100
 Rancho Cucamonga, CA 91730
 909-987-0909 P

**NOGALES HIGH SCHOOL
 PORTABLE LOCKER & RESTROOM INTERIM HOUSING
 ROWLAND UNIFIED SCHOOL DISTRICT
 401 NOGALES ST, LA PUENTE, CA 91744**

- NOTE:**
- REFER TO CIVIL DWGS FOR LOCATION OF ALL EXISTING AND NEW UNDERGROUND WET UTILITY SERVICE LINES.
 - REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF ALL EXISTING AND NEW UNDERGROUND CONDUIT RUNS.
 - REMOVE FINISH SURFACE AND BASE AS REQUIRED WHERE NEW BUILDINGS ARE PROPOSED.
 - EXISTING SITE IMPROVEMENTS THAT DO NOT OCCUR WITHIN THE IDENTIFIED SCOPE OF WORK LIMITS ARE TO REMAIN. IN THE EVENT OF ACCIDENTAL REMOVAL, RESPONSIBLE PARTY SHALL RESTORE OR REPLACE THAT ITEM LIKE IN KIND BUT IN NEW CONDITION.
 - ALL NEW PEDESTRIAN WALKS AND NEW VEHICULAR PAVEMENT SHALL TERMINATE TO A FLUSH TRANSITION AS THEY ABUT TO EXISTING PEDESTRIAN WALKS AND EXISTING VEHICULAR PAVEMENT.
 - EXISTING FIRE LANE TO BE MAINTAINED DURING CONSTRUCTION. CONSTRUCTION EQUIPMENT AND CONSTRUCTION VEHICLES ARE NOT PERMITTED TO PARK WITHIN (E) FIRE LANE WITHOUT SPECIAL PERMISSION FROM RANCHO CUCAMONGA FIRE DEPARTMENT.
 - OVERNIGHT UNATTACHED PARKING IN EXISTING FIRE LANE IS PROHIBITED. DO NOT OBSTRUCT OR BLOCK FIRE LANE WITH CONSTRUCTION FENCING. KEEP OPEN AT ALL TIMES.
 - RELOCATE ALL POSTED (E) SITE SIGNAGE TO ADJACENT AREAS NOT AFFECTED BY SCOPE OF NEW IMPROVEMENTS. COORDINATE EXACT LOCATION OF RELOCATED SITE SIGNAGE WITH ARCHITECT.
 - ALL FIRE HYDRANTS SHALL HAVE A 3 FOOT CIRCUMFERENCE OF CLEAR SPACE AND 18 INCH CLEAR FROM THE CENTER OF THE 4 1/2" DISCHARGE LEVEL.
 - THE POST INDICATOR VALVE (PIV) SHALL BE INSTALLED SO THAT THE TOP OF THE POST WILL BE AT 36" ABOVE FINISH GRADE.
 - ALL FIRE HYDRANTS SHALL BE INSTALLED WITH BREAK-OFF BOLTS AND / OR BREAK-OFF SPOOLS.
 - ALL MECHANICAL JOINTS ON FIRE SERVICE LINES AND FIRE SPRINKLER LATERALS SHALL BE COATED AND WRAPPED.
 - AREA OF WORK ALSO INCLUDES THAT SHOWN FOR TRENCHING FOR UTILITIES, DEMOLITION AND REPLACEMENT OF MATERIAL.
 - REMOVE AND REPLACE CONCRETE (A.C. PAVING ALL THE WAY TO THE BUILDING FACE, CURB, PLANTER WALL, DOOR THRESHOLD, CONTROL JOINT UNLESS NOTED OTHERWISE.
 - EXPANSION JOINTS (XJ) NOT TO EXCEED 20'-0" O.C. TYP AND CONTROL JOINTS (CJ) NOT TO EXCEED 5'-0" TYP.

(N) PORTABLE BUILDINGS
 - REFERENCE PC DRAWINGS A#02-102873_24x40

(N) RESTROOM PORTABLE BUILDING
 - REF PC DRAWINGS A#04-118031_12x40

(E) FIRE LANE
 - A#03-114768

(E) NO PARKING STRIPING
 - A#03-114768

(E) SAFE DISPERSAL AREA
 - 2,000 STUDENTS @ 5 SF / PERSON = 10,000 SF
 - 50' x 200' = 10,000 SF
 - A#03-114768

(E) LOCKER BLDG N
12,430.52 SF
A#63839

(E) LOCKER BLDG R
7,068.58 SF
A#63839

(E) CLASSROOM BLDG E
12,185.19 SF
A#03-112446

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22,379.40 SF
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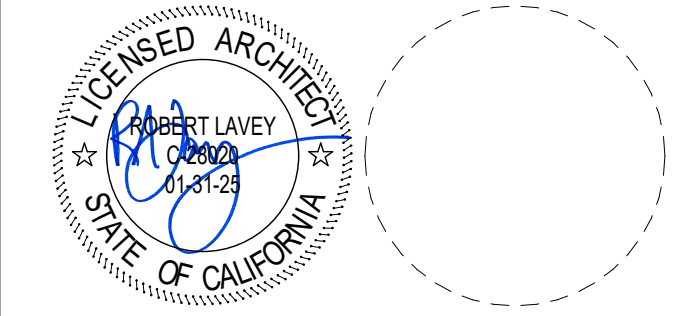
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11,198.92 SF
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4,813.01 SF
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(E) CLASSROOM BLDG C
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4,692 SF
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13,454.11 SF
A#03-112446



CONSULTANT

NO	DATE	BY	DESCRIPTION
REVISIONS			
10/06/23	PBK		ADDENDUM 2

DRAWN: PDF CHECKED: SA
 DATE: 01/11/23 SCALE: 1" = 40'-0"
 PROJECT NUMBER: 2110000

OVERALL SITE PLAN

DRAWING NUMBER: **-A1.1**

OVERALL SITE PLAN 1" = 40'-0" 1

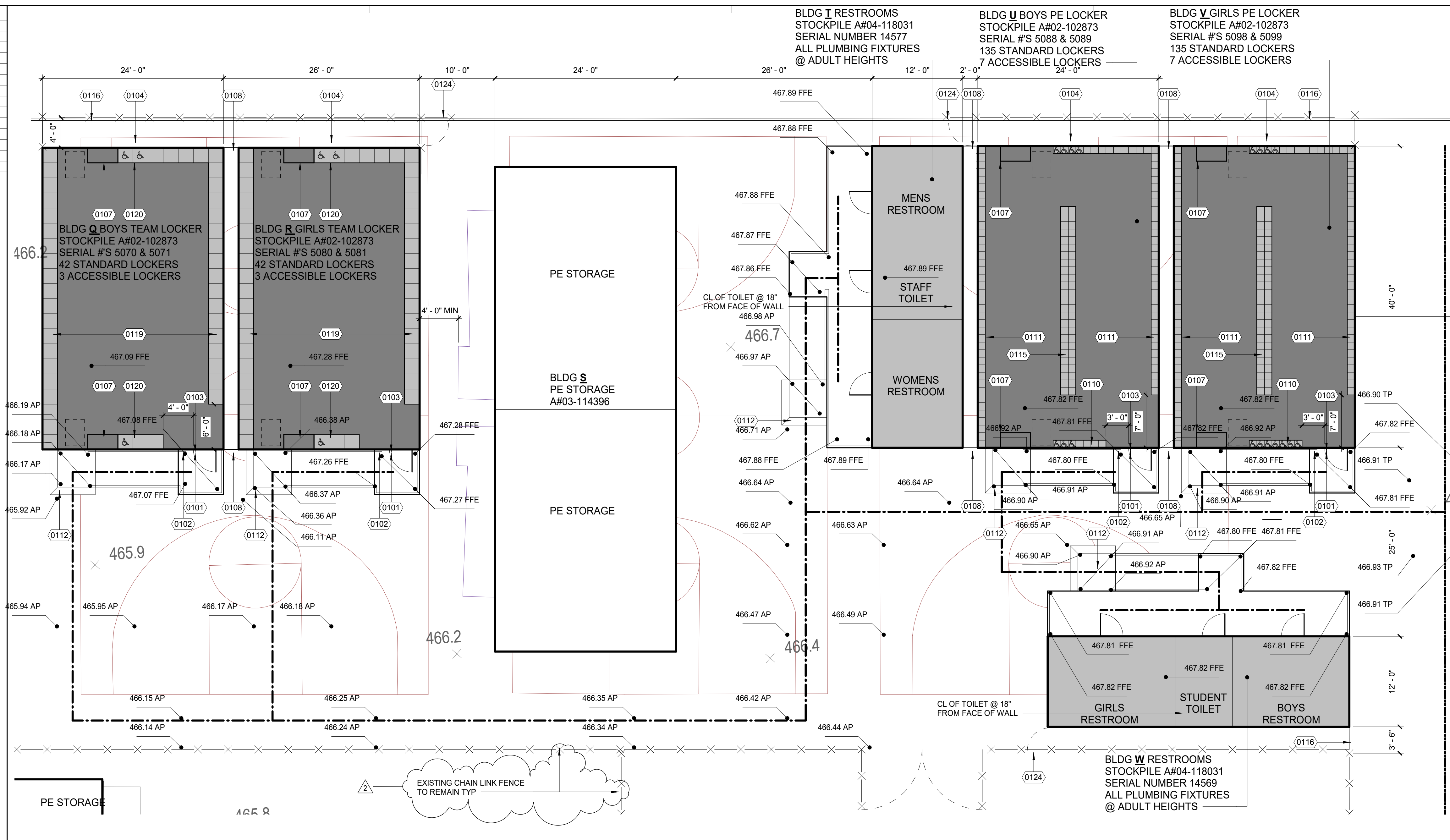
SITE PLAN LEGEND 1" = 40'-0"

KEYNOTE	DESCRIPTION
0101	ACCESSIBLE ENTRY SIGN, REF DET 1/A1.2
0102	ROOM IDENTIFICATION SIGN, REF DET 2/A1.2
0103	ADJUST CLOSER OPERATING PRESSURE TO 5LB MAX
0104	CONDENSATE DRYWELL, REF DET 4/A1.2
0107	ACCESSIBLE LOCKER BENCH, (REF DET 1/A1.6)
0108	FILLER PANELS, REF DET 8/A1.2
0110	ACCESSIBLE PE LOCKER AGAINST WALL, REF DET 4/A-6
0111	3 TIER LOCKERS AGAINST WALL, REF DET 4/A-6
0112	ASPHALT APRON, REF DET 12/A1.2
0115	3 TIER LOCKERS BACK TO BACK, REF DET 2/A-6
0116	CHAIN LINK FENCE, REF DET 16/A1.2
0119	SINGLE LOCKERS AGAINST WALL, REF DET 4/A-6
0120	ACCESSIBLE SINGLE LOCKERS AGAINST WALL, REF DET 4/A-6
0124	CHAIN LINK GATE, REF DET 24/A1.2

NOTE:
CONTRACTOR TO PROVIDE RESTROOM SIGNAGE ON PORTABLES PER SHEET S-1

NOTE:
Site Project Inspector to verify completed In-Plant Inspector Inspection Card / Verified Report (DSA 152-PI) for each relocatable building before installing on site.

NOTE:
CONTRACTOR TO PROVIDE DRINKING FOUNTAIN HAWS MODEL H1117.8 BARRIER FREE & VANDAL RESISTANT



ACCESSIBLE ENTRY 3" = 1'-0" 1

INTERNATIONAL SYMBOL OF ACCESSIBILITY W/ WHITE SYMBOL GRAPHICS
NON GLARE BLUE BACKGROUND COLOR - FEDERAL BLUE NO. 15090 STD 595C
1/4" WIDE WHITE BORDER
1/2" CORNER RADIUS
FINISH FLOOR

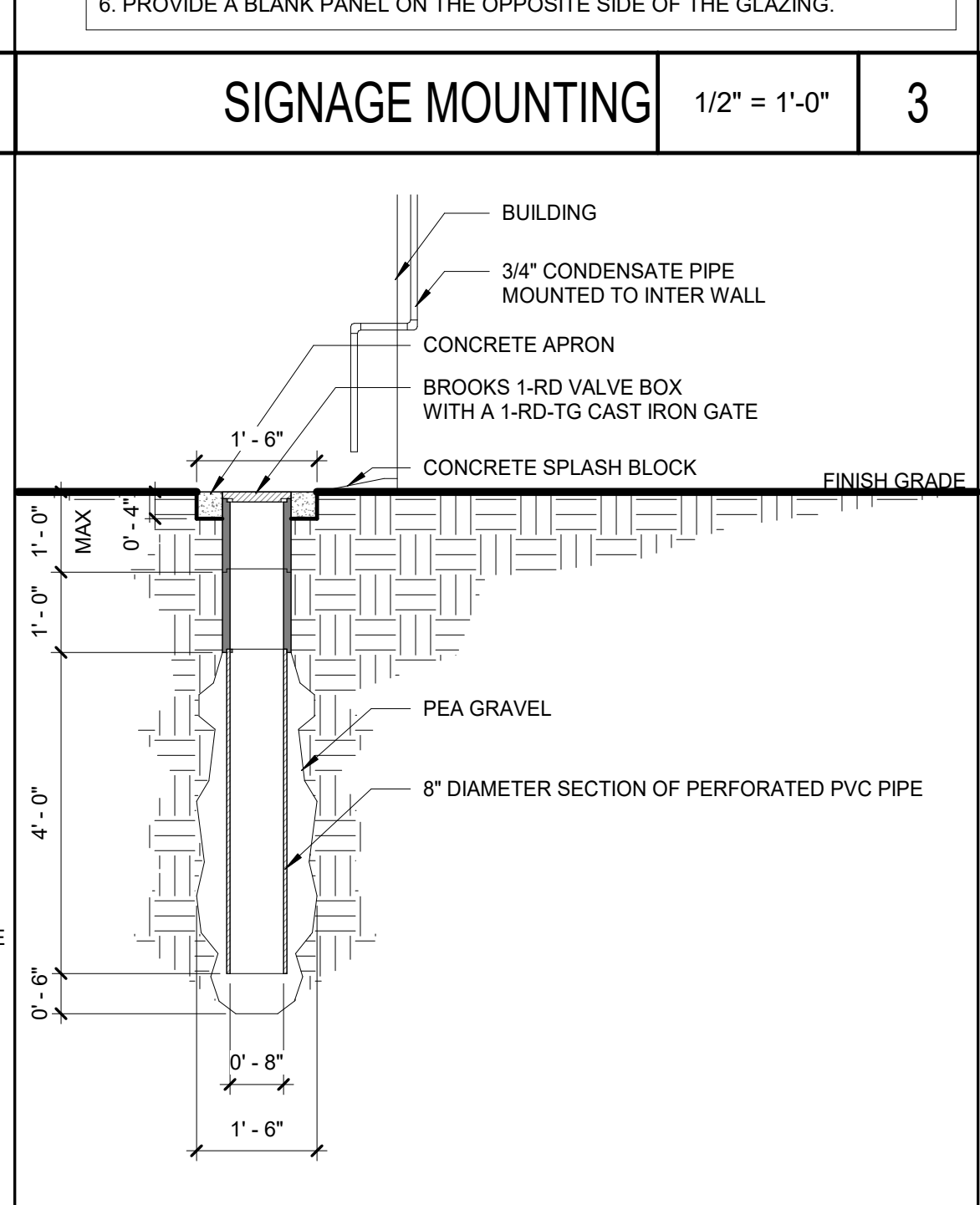
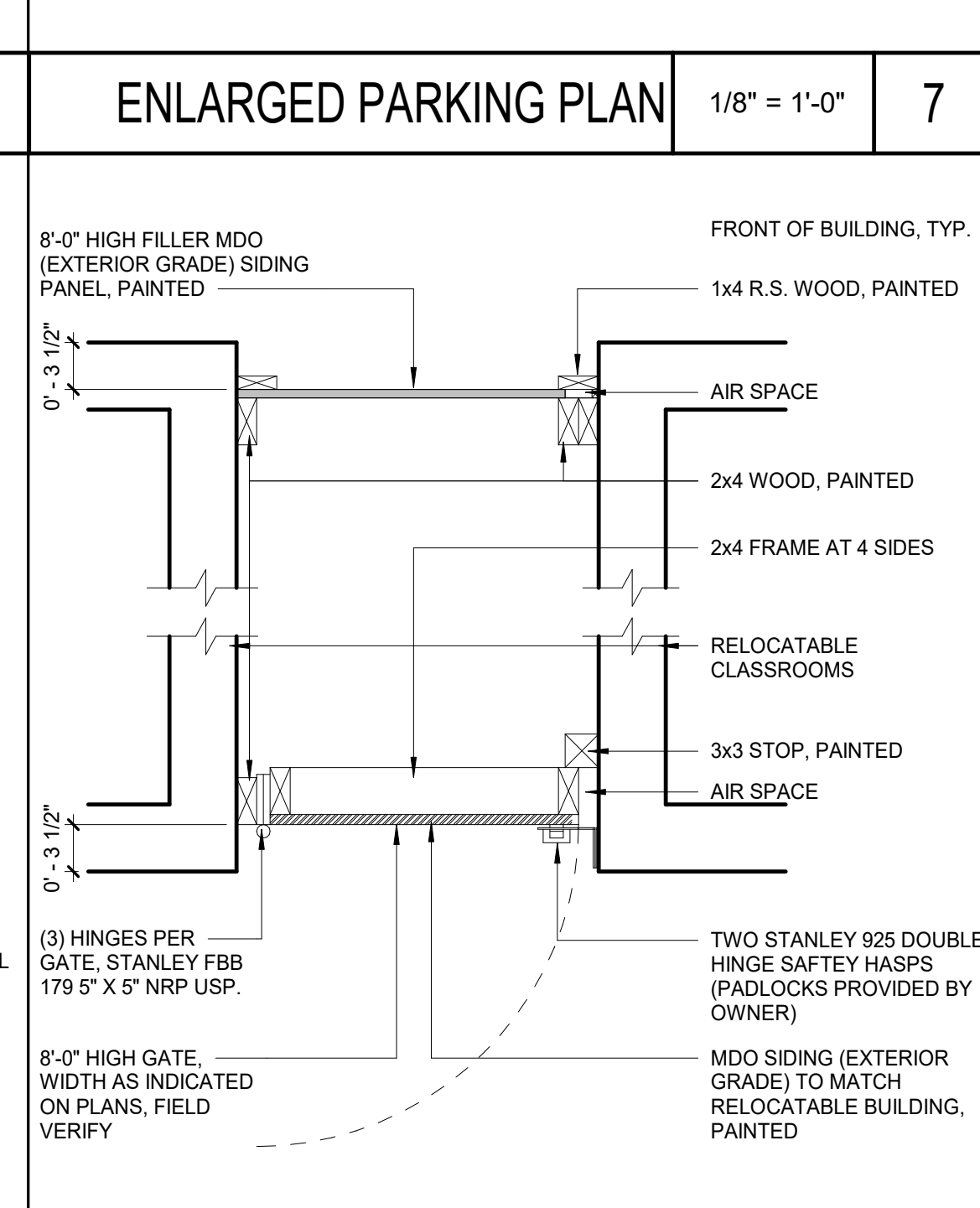
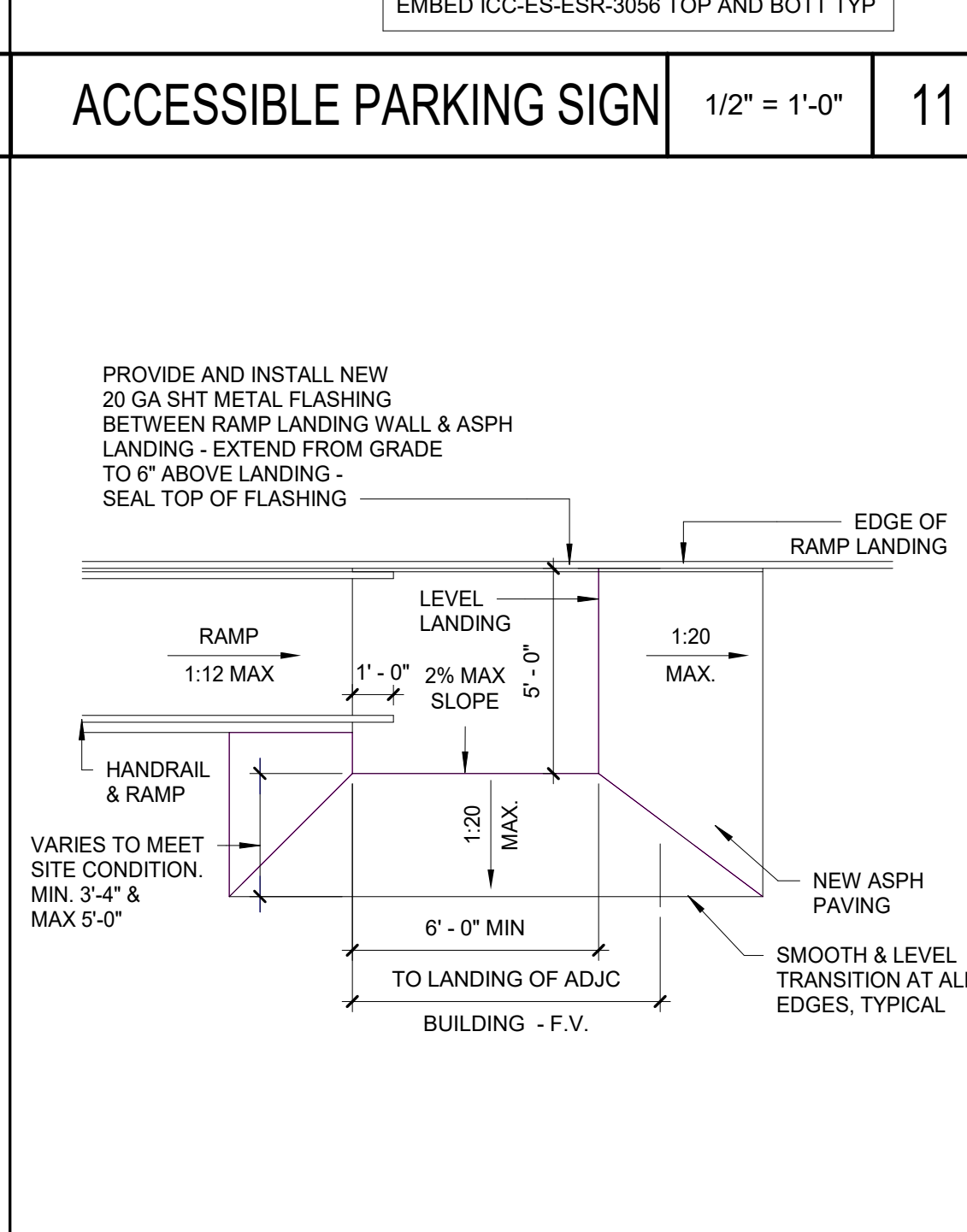
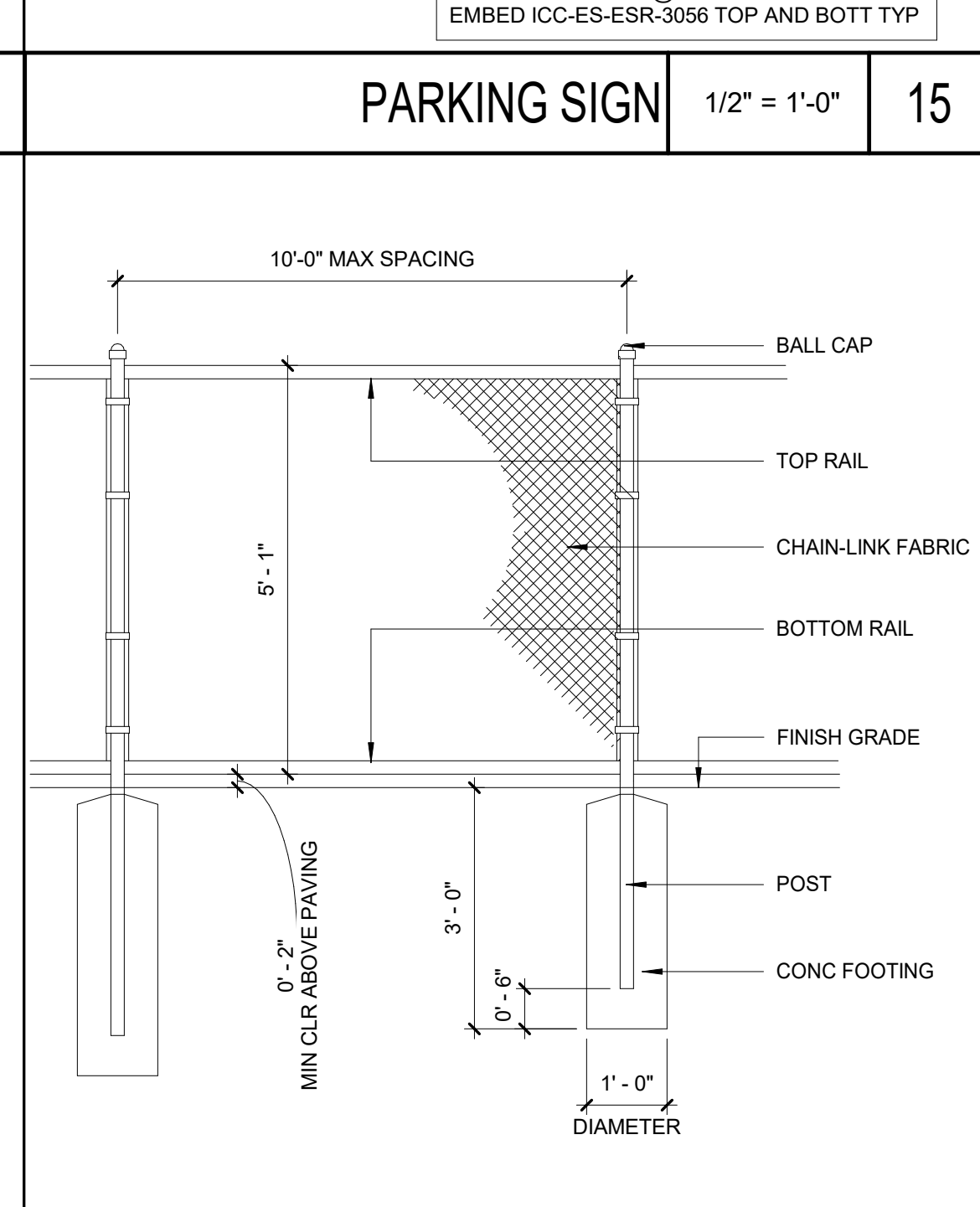
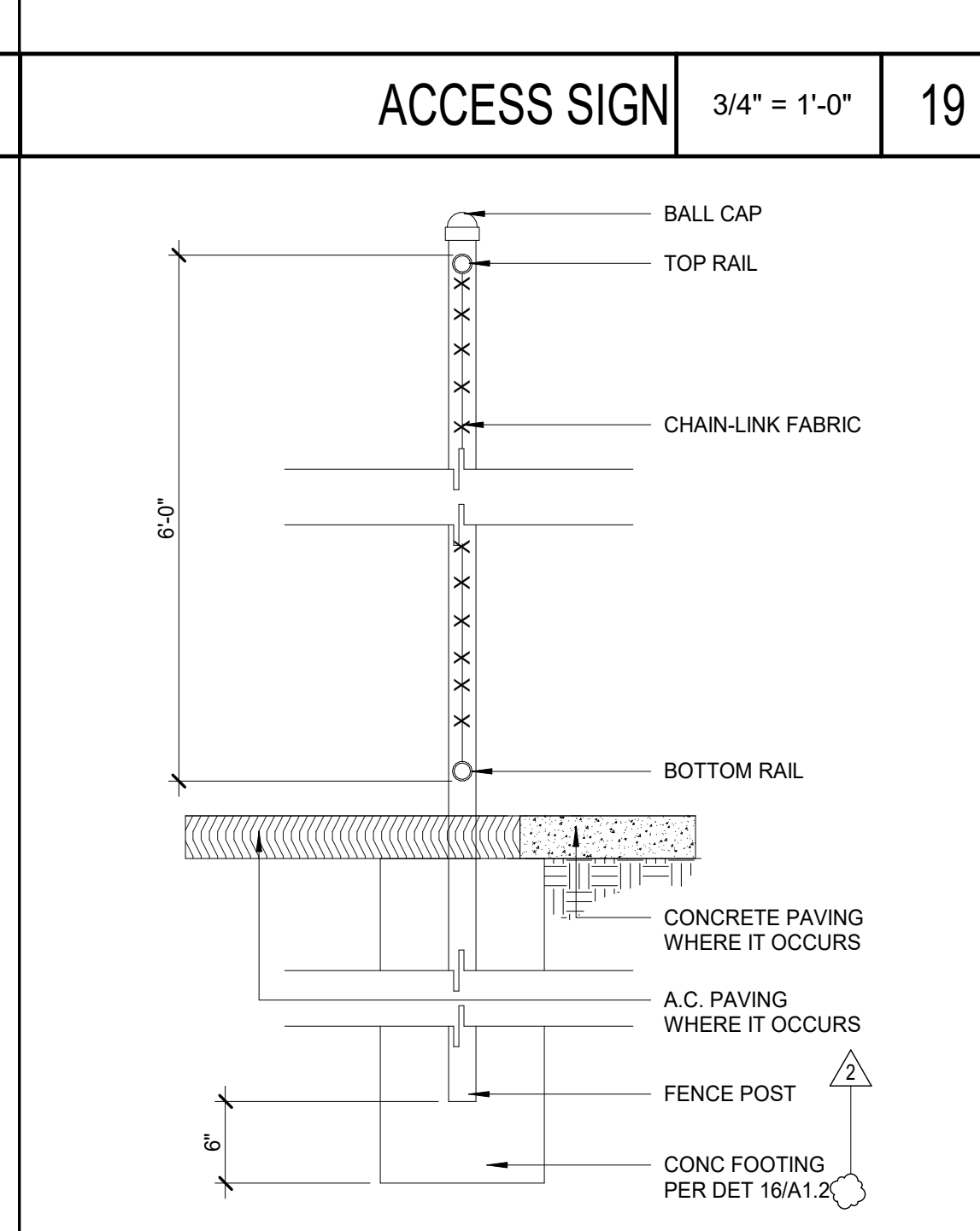
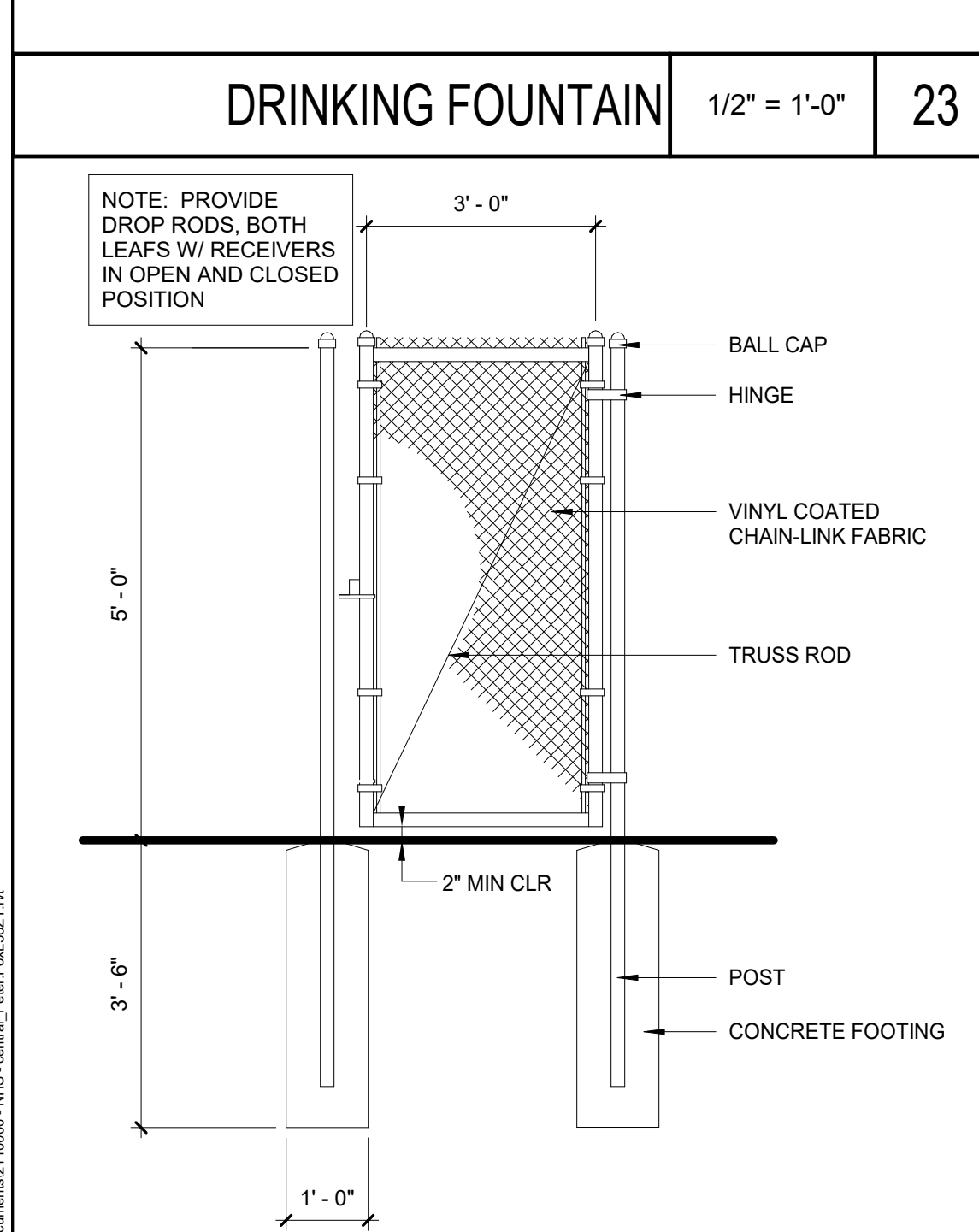
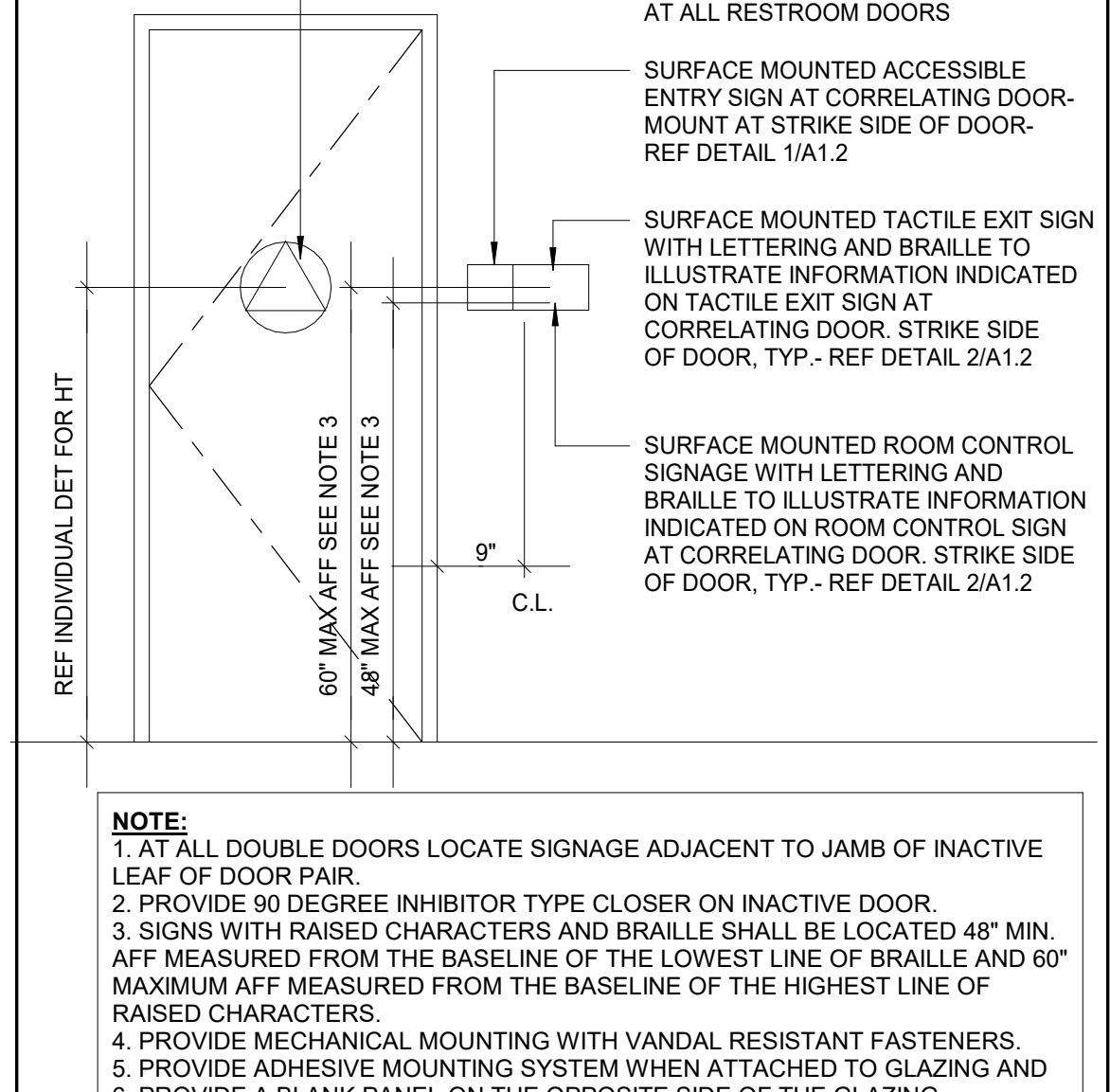
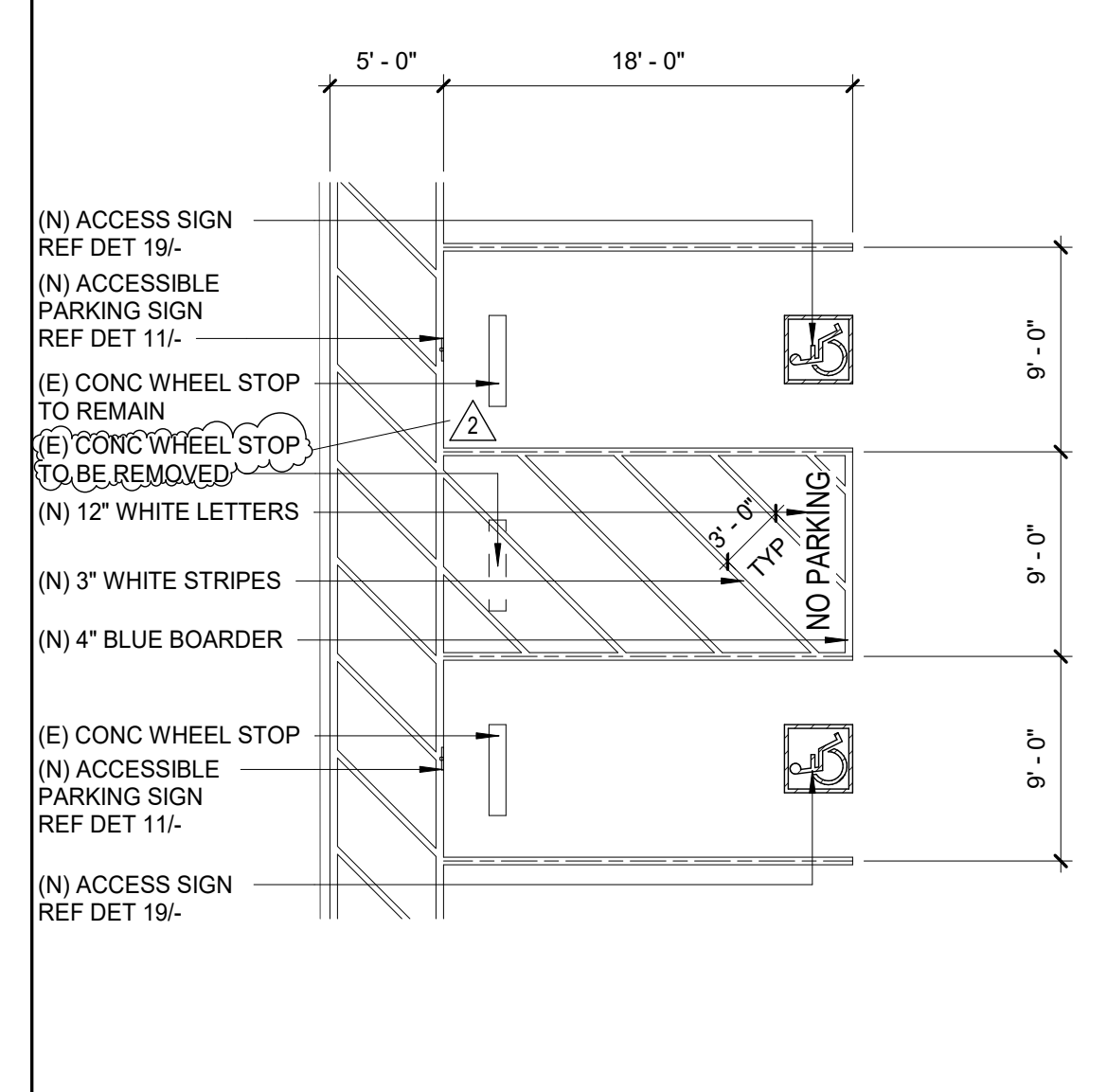
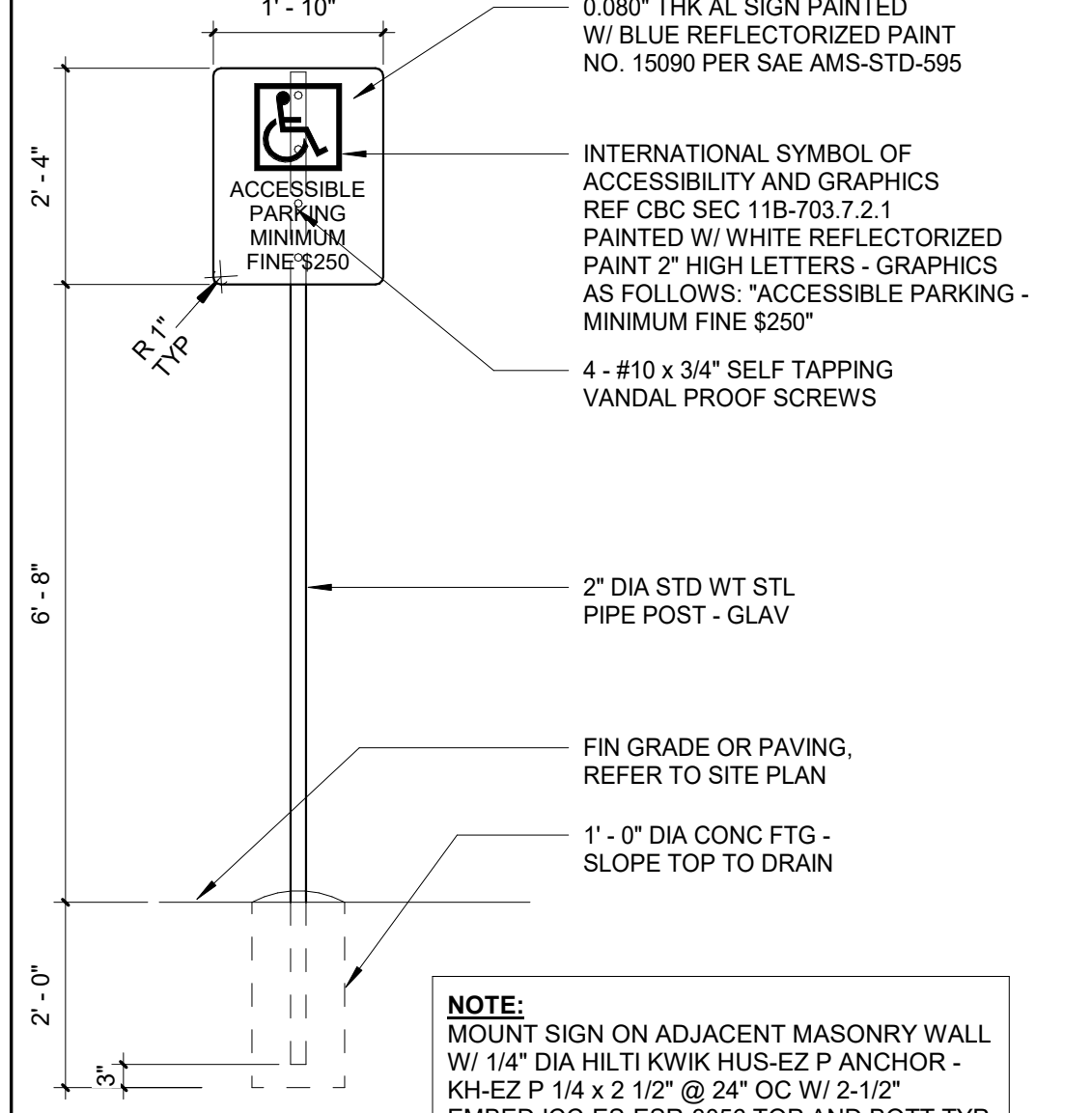
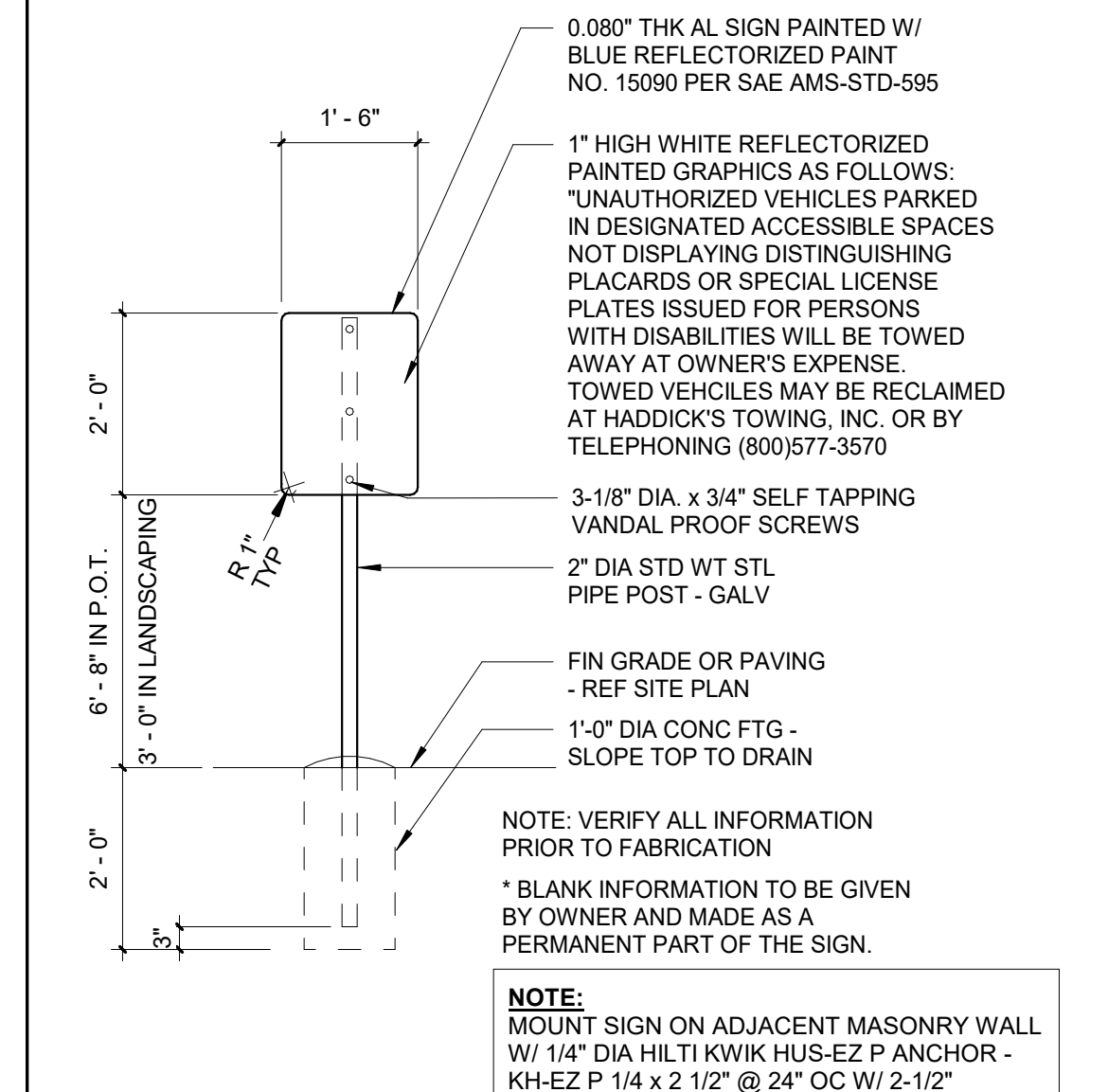
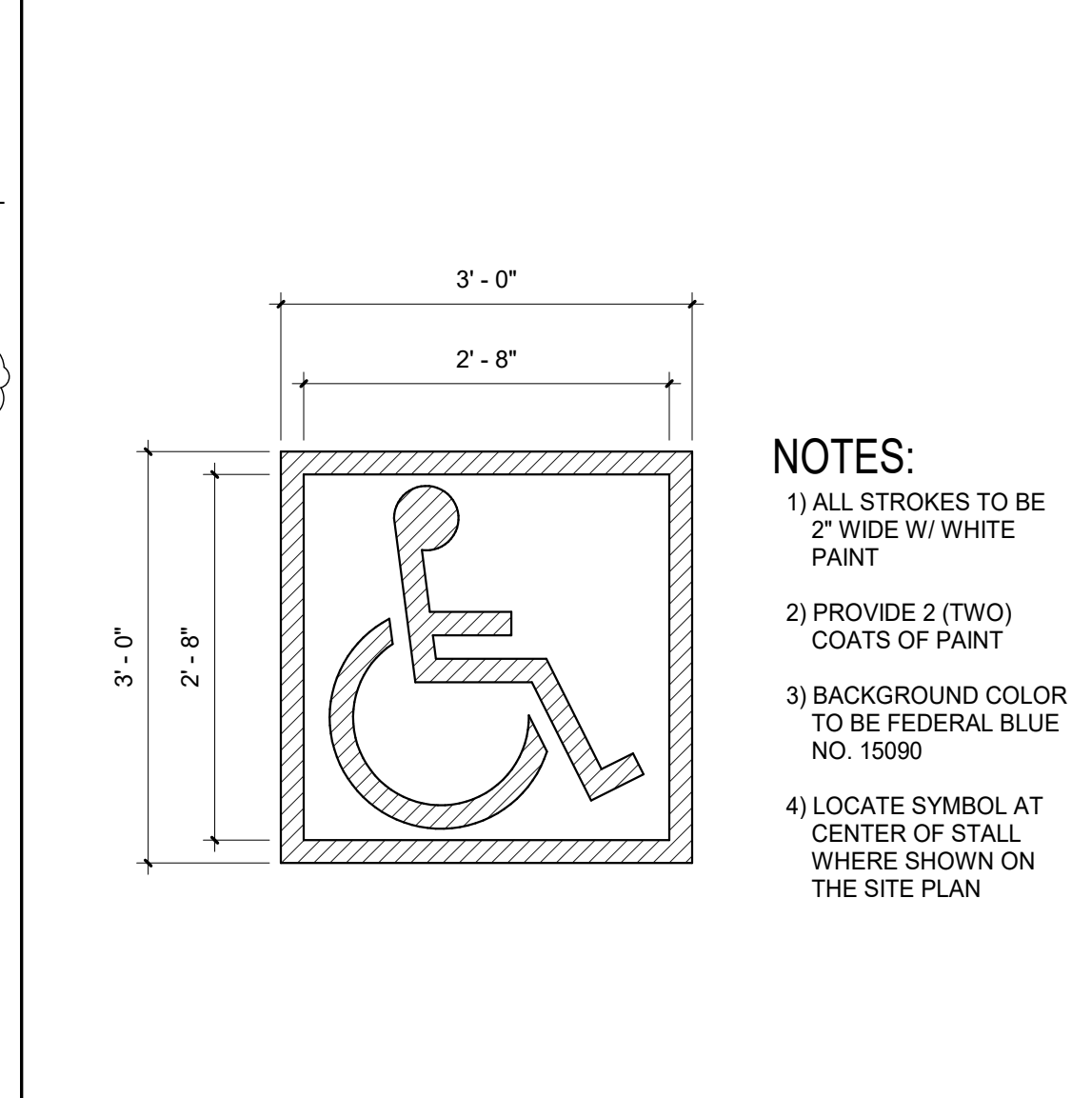
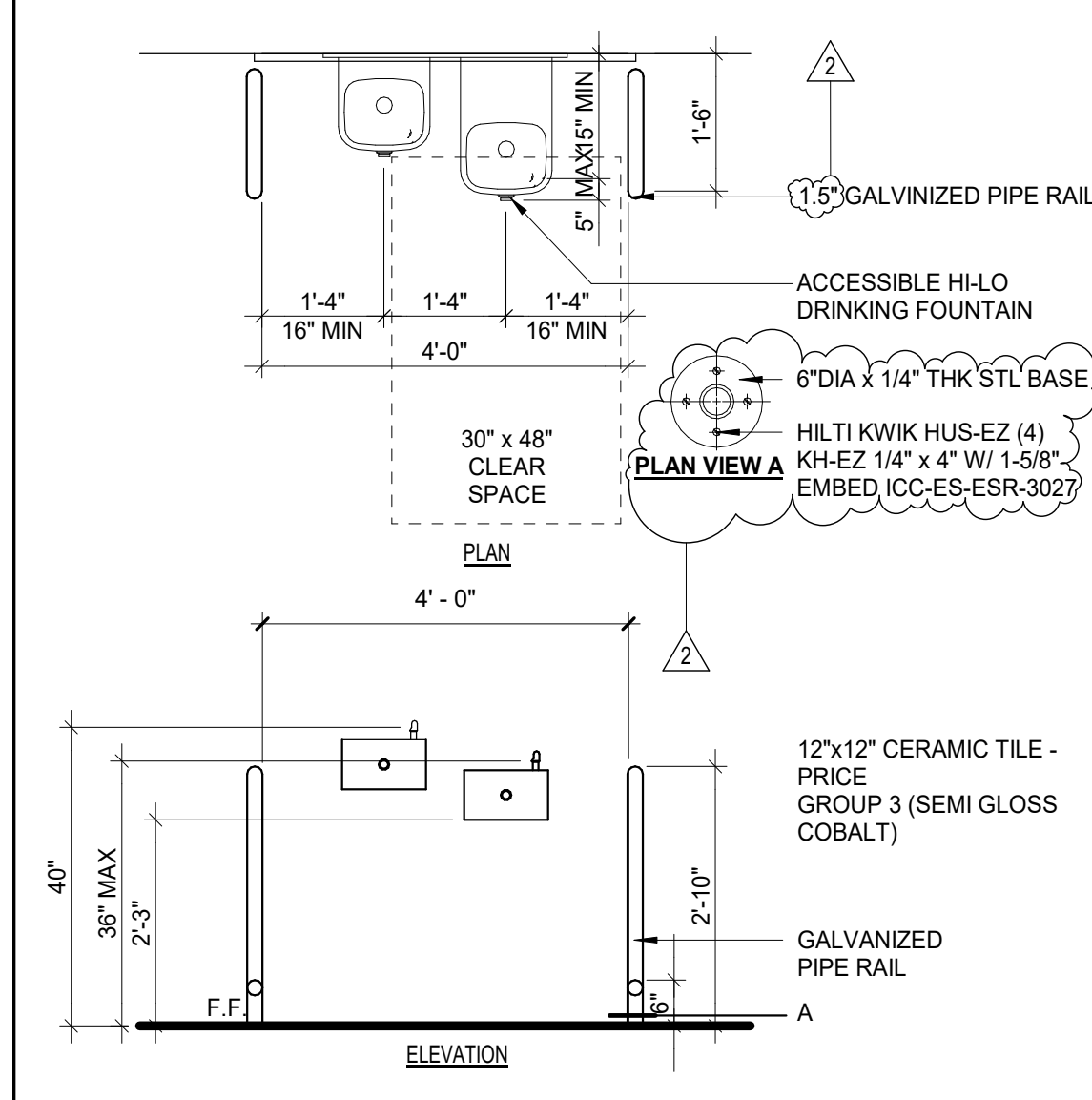
TEXT

BRILLE: CALIFORNIA ROUND TOP CONTRACTED GRADE 2
BRILLE DOTS 1/10" O.C. 2/10" BETWEEN CELLS, RAISED MIN. 1/40" ABOVE BACKGROUND
NON GLARE BACKGROUND OF 70% CONTRASTING COLOR TO TEXT
1/4" WIDE RAISED BORDER COLOR TO MATCH TEXT
TEXT AND BRILLE TO BE CENTERED ON SIGN
FINISH FLOOR

ROOM ID / EXIT 3" = 1'-0" 2

ACCESSIBLE RESTROOM SYMBOL AT ALL RESTROOM DOORS
SURFACE MOUNTED ACCESSIBLE ENTRY SIGN AT CORRELATING DOOR - REF DETAIL 1/A1.2
SURFACE MOUNTED TACTILE EXIT SIGN WITH LETTERING AND BRILLE TO ILLUSTRATE INFORMATION INDICATED ON TACTILE EXIT SIGN AT CORRELATING DOOR. STRIKE SIDE OF DOOR, TYP. - REF DETAIL 2/A1.2
SURFACE MOUNTED ROOM CONTROL SIGNAGE WITH LETTERING AND BRILLE TO ILLUSTRATE INFORMATION INDICATED ON ROOM CONTROL SIGN AT CORRELATING DOOR. STRIKE SIDE OF DOOR, TYP. - REF DETAIL 2/A1.2

NOTE:
1. ALL DOUBLE DOORS LOCATE SIGNAGE ADJACENT TO JAMB OF INACTIVE LEAF OF DOOR PAIR.
2. PROVIDE 90 DEGREE INHIBITOR TYPE CLOSER ON INACTIVE DOOR.
3. SIGNS WITH RAISED CHARACTERS AND BRILLE SHALL BE LOCATED 48" MIN. AFF MEASURED FROM THE BASELINE OF THE LOWEST LINE OF BRILLE AND 60" MAXIMUM AFF MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS.
4. PROVIDE MECHANICAL MOUNTING WITH VANDAL RESISTANT FASTENERS.
5. PROVIDE ADHESIVE MOUNTING SYSTEM WHEN ATTACHED TO GLAZING AND
6. PROVIDE A BLANK PANEL ON THE OPPOSITE SIDE OF THE GLAZING.



CHAIN LINK GATE 1/2" = 1'-0" 24

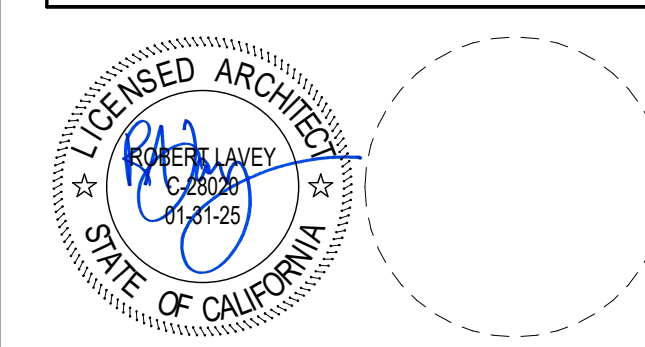
CHAIN LINK FENCE SECTION 1" = 1'-0" 20

CHAIN LINK FENCE ELEVATION 1/2" = 1'-0" 16

ASPHALT APRON 1/4" = 1'-0" 12

FILLER PANELS 1" = 1'-0" 8

CONDENSATE DRYWELL 1/2" = 1'-0" 4



CONSULTANT

2	10/06/23	PBK	ADDENDUM 2
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NO	DATE	BY	DESCRIPTION
REVISIONS			

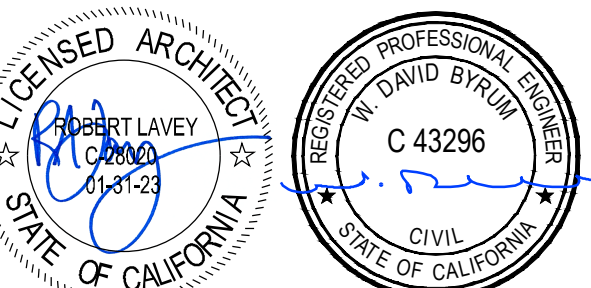
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DATE: 02/27/23 SCALE: As indicated
PROJECT NUMBER: 2110000

ENLARGED SITE PLAN
DRAWING NUMBER: **-A1.2**

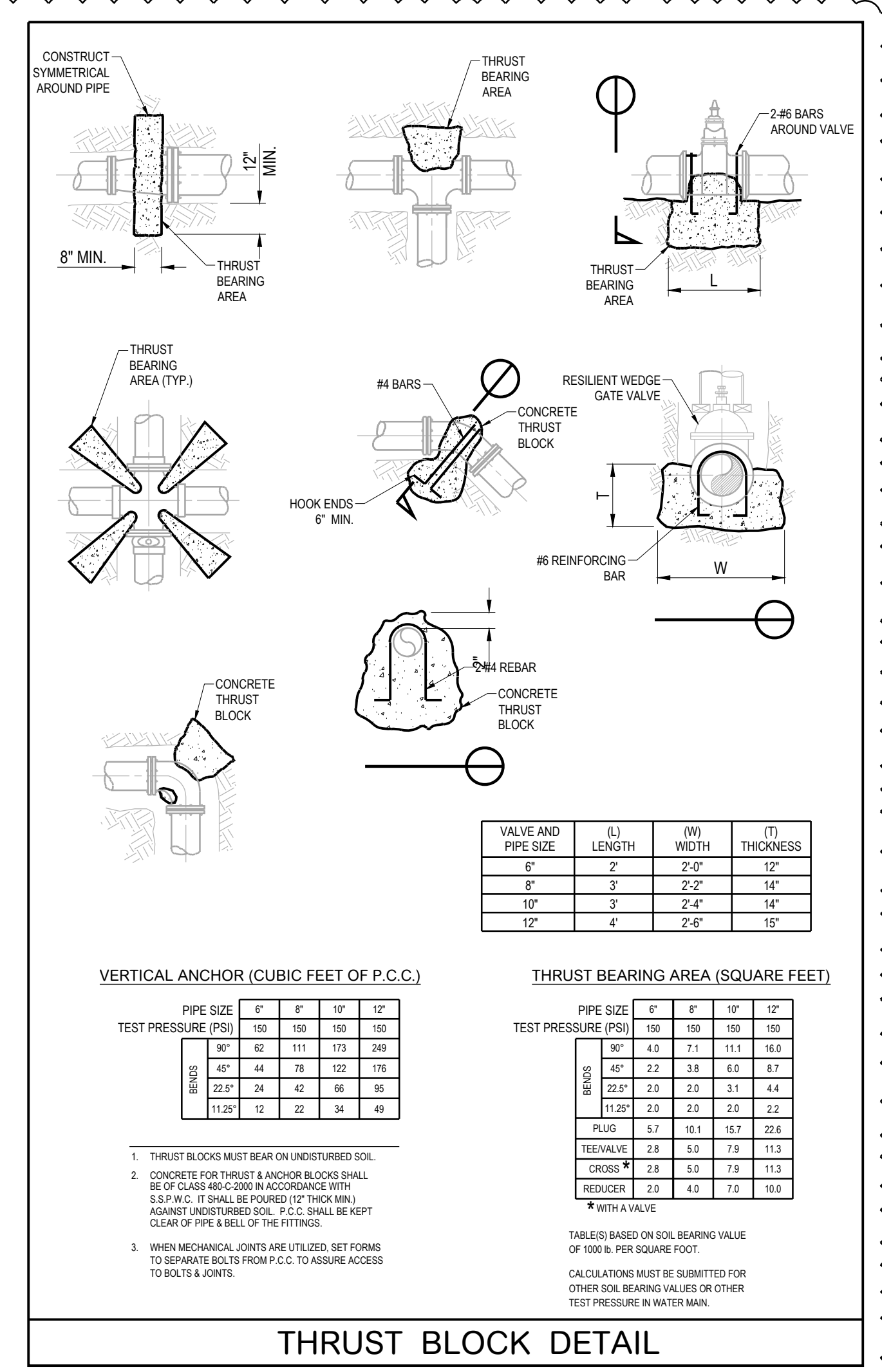
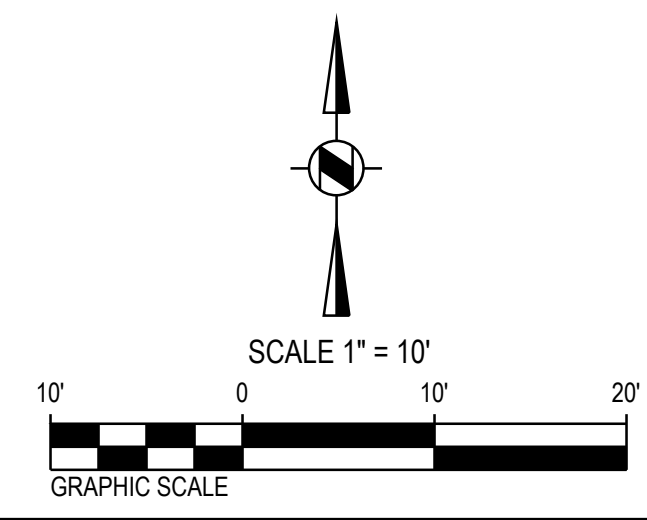
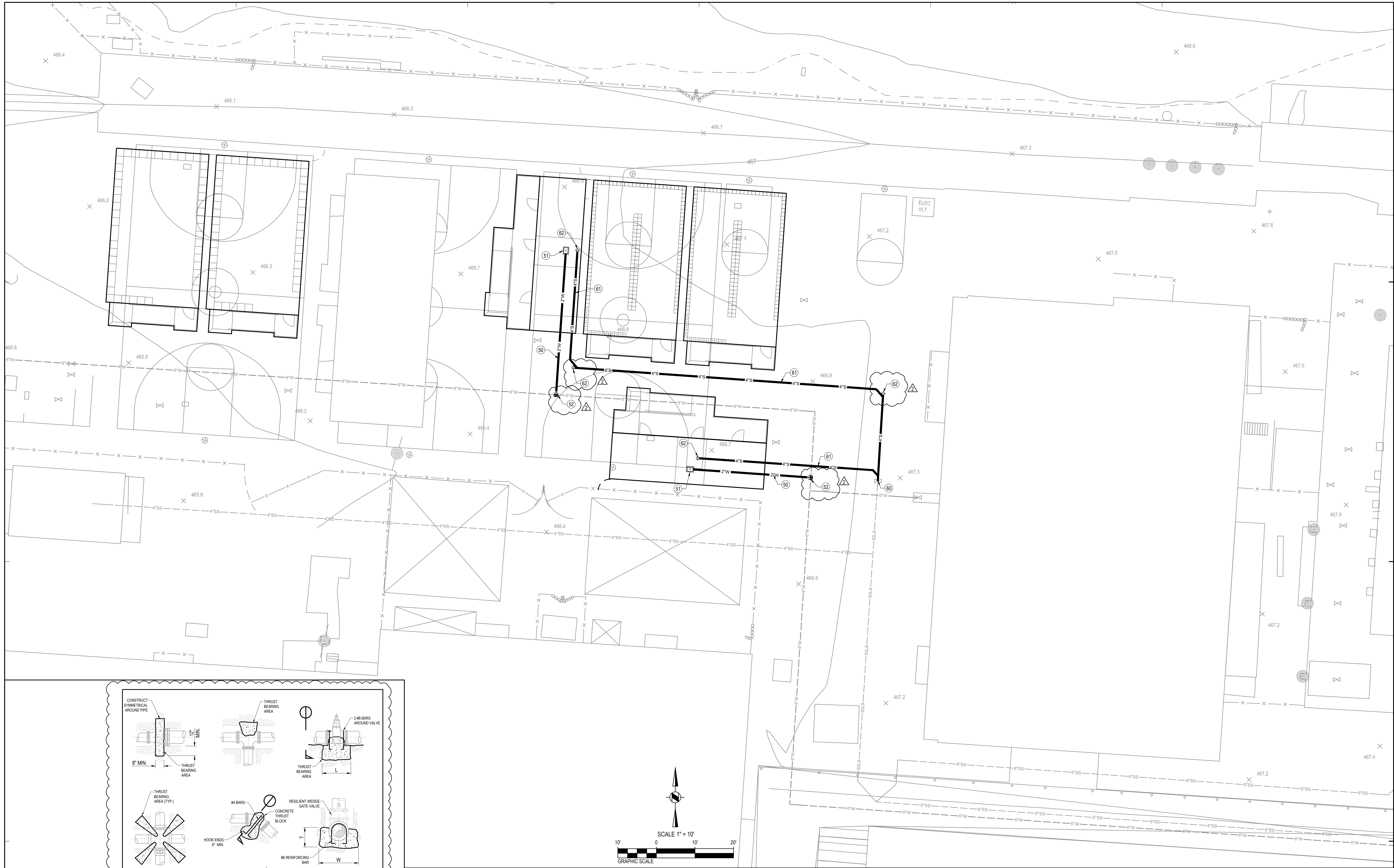


RANCHO CUCAMONGA
8163 Rochester Avenue, Suite 100
Rancho Cucamonga, CA 91730
909-987-0909 P

**NOGALES HIGH SCHOOL
PORTABLE LOCKER & RESTROOM INTERIM HOUSING**
ROWLAND UNIFIED SCHOOL DISTRICT
401 NOGALES ST, SOUTH SAN JOSE HILLS, CA 91744



CONSULTANT
CIVILTEC engineering inc.
118 West Lime Avenue
Monrovia, CA 91016
Phone: 626.357.0588
Web: www.civiltec.com

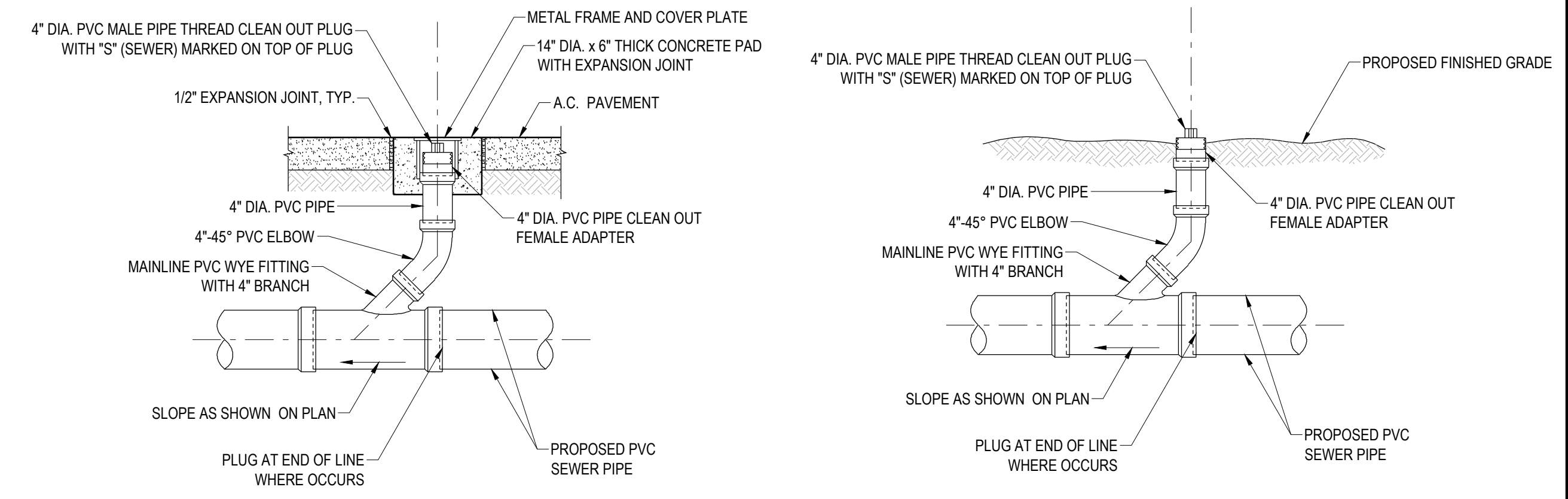


CONSTRUCTION NOTES: DOMESTIC WATER

- (50) INSTALL 2" DOMESTIC WATER PIPE LINE.
- (51) INSTALL 2" BALL VALVE WITH VALVE BOX AND COVER.
- (52) INSTALL DOUBLE STRAP SERVICE SADDLE WITH 2" CORPORATION STOP. CONSTRUCT THRUST BLOCK PER DETAIL HEREON.

CONSTRUCTION NOTES: SANITARY SEWER

- (60) CONNECT TO EXISTING PIPE.
- (61) INSTALL 4" PVC SANITARY PIPE, SDR 35.
- (62) INSTALL SEWER CLEAN OUT. REFERENCE DETAIL 1 ON HEREON.



GENERAL NOTES

1. ALL COMMUNICATIONS WORK SHALL BE COORDINATED WITH THE COMMUNICATION SYSTEMS EQUIPMENT MANUFACTURER AND THE SCHOOL DISTRICT MAINTENANCE DEPARTMENT PRIOR TO ROUGH-IN AND INSTALLATION OF ANY AND ALL COMMUNICATION SYSTEM DEVICES AND RELATED CONDUIT AND WIRE.
2. THE CONTRACTOR SHALL SECURE AND PAY FOR PERMITS AND FEES NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY THE LOCAL GOVERNMENT AGENCIES AND THE UTILITY COMPANIES.
3. ALL OUTLET LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
4. SEE SINGLE LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZES, PANELS, TRANSFORMERS, MOTOR CONTROL CENTERS, MECHANICAL EQUIPMENT, ETC. HOMERUNS TO PANELS MAY NOT BE SHOWN ON PLANS BUT ARE PART OF THIS CONTRACT.
5. EXACT LOCATION OF ALL DEVICES SHALL BE AS INDICATED ON THE ARCHITECTURAL PLANS.
6. UNLESS OTHERWISE NOTED, MOUNTING HEIGHTS INDICATED ON ELECTRICAL OUTLETS ARE FROM FINISHED FLOOR TO CENTER OF OUTLETS.
7. NO CONDUIT SHALL BE RUN HORIZONTALLY IN CONCRETE FLOOR SLABS.
8. ALL FINAL CONNECTIONS TO OWNER-FURNISHED EQUIPMENT SHALL BE MADE BY THIS CONTRACTOR.

MEP EQUIPMENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE USA 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 EQUIPMENT THAT 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 HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

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.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO RESIST THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 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., OSHD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOB 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 THE APPLICABLE OSHD PRE-APPROVAL (OPM#) # _____.

USE OF POWER DRIVEN CONCRETE FASTENERS:

USE OF POWER DRIVEN CONCRETE FASTENERS FOR TENSION LOADS IS LIMITED TO SUPPORT OF MINOR LOADS LIKE ACOUSTICAL CEILINGS, DUCT WORK, CONDUIT.

ALLOWABLE LOADS - IN GENERAL, LOADS SHOULD BE LIMITED TO LESS THAN 100 POUNDS. HOWEVER, GREATER LOADS MAY BE PERMITTED FOR SPECIAL CASES WHEN APPROVED BY THE CHECKING SUPERVISOR OR FIELD ENGINEER.

TESTING - THE OPERATOR, TOOL AND FASTENER SHALL BE PRE-QUALIFIED BY THE PROJECT INSPECTOR. HE SHALL OBSERVE THE TESTING OF THE FIRST 10 FASTENER INSTALLATIONS. A TEST "PULL-OUT" LOAD OF NOT LESS THAN TWICE THE DESIGN LOAD, OR 200 POUNDS, WHICHEVER IS GREATER, SHALL BE APPLIED TO THE PIN IN SUCH A MANNER AS NOT TO RESIST THE SPALLING TENDENCY OF THE CONCRETE SURROUNDING THE PIN. THEREAFTER, RANDOM TESTS UNDER THE PROJECT INSPECTOR'S SUPERVISION SHALL BE MADE OF APPROXIMATELY 1 IN 10 PINS, EXCEPT THAT WHEN THE DESIGN LOAD EXCEEDS 100 POUNDS, ONE HALF OF THE PINS SHALL BE TESTED. ALL INSTALLATIONS MUST BE TESTED AND UNFAIR PINS REPLACED.

THESE REQUIREMENTS ARE TO BE NOTED ON THE PLANS, OR IN THE SPECIFICATIONS.

11. PROOF LOAD TEST FOR EXPANSION, TYPE ANCHOR BOLTS (BOLTS MUST HAVE I.C.B.O. APPROVAL).

ALL CONCRETE ANCHOR BOLT OF THE EXPANSION TYPE (LOADED IN EITHER PULLOUT OR SHEAR) SHALL HAVE 50 PERCENT OF THE BOLTS (ALTERNATE BOLTS IN ANY GROUP ARRANGEMENT) PROOF TESTED IN TENSION TO TWICE THE ALLOWABLE TENSION LOAD. IF THERE ARE ANY FAILURES, THE IMMEDIATELY ADJACENT BOLTS MUST THEN ALSO BE TESTED.

TYPE OF MATERIALS	TYPE OF TEST	BOLT DIAMETER	3/8"	1/2"	5/8"	3/4"
HARD ROCK CONCRETE	DIRECT TORQUE	PULL-TENSION,LBS.	1300	2000	2900	4300
		WRENCH-TORQUE,FT.LBS.	25	50	110	150
LT.WT. CONCRETE	DIRECT TORQUE	PULL-TENSION,LBS.	970	1400	1950	2590
		WRENCH-TORQUE,FT.LBS.	20	35	75	75

12. ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE OWNER BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO AGREES TO ASSUME LIABILITY AND TO HOLD THE ENGINEER HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE ENGINEER; NOT INDICATED ON THE PUBLIC RECORDS EXAMINED; LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.

13. THE CONTRACTOR SHALL VISIT THE SITE INCLUDING SPECIFICALLY ALL AREAS INDICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THESE EXISTING CONDITIONS AND BY SUBMITTING A BID ACCEPTS CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO PERFORM HIS WORK.

14. SHUT DOWN OF EXISTING ELECTRICAL SYSTEMS WILL NOT BE ALLOWED. SCHEDULED SHUT DOWNS SHALL BE COORDINATED WITH THE SCHOOL DISTRICT 48 HOURS IN ADVANCE. THIS CONTRACTOR SHALL COORDINATE ALL COMPONENTS AND WIRING TYPES TO 15. MATCH EXISTING INTERCOM AND FIRE SYSTEM WITH THE SCHOOL DISTRICT PRIOR TO BID. AND INCLUDE ALL COSTS FOR A COMPLETE OPERABLE SYSTEM EXPANSION.

16. ALL EXPOSED CONDUIT SHALL BE PAINTED TO MATCH EXISTING FINISH.

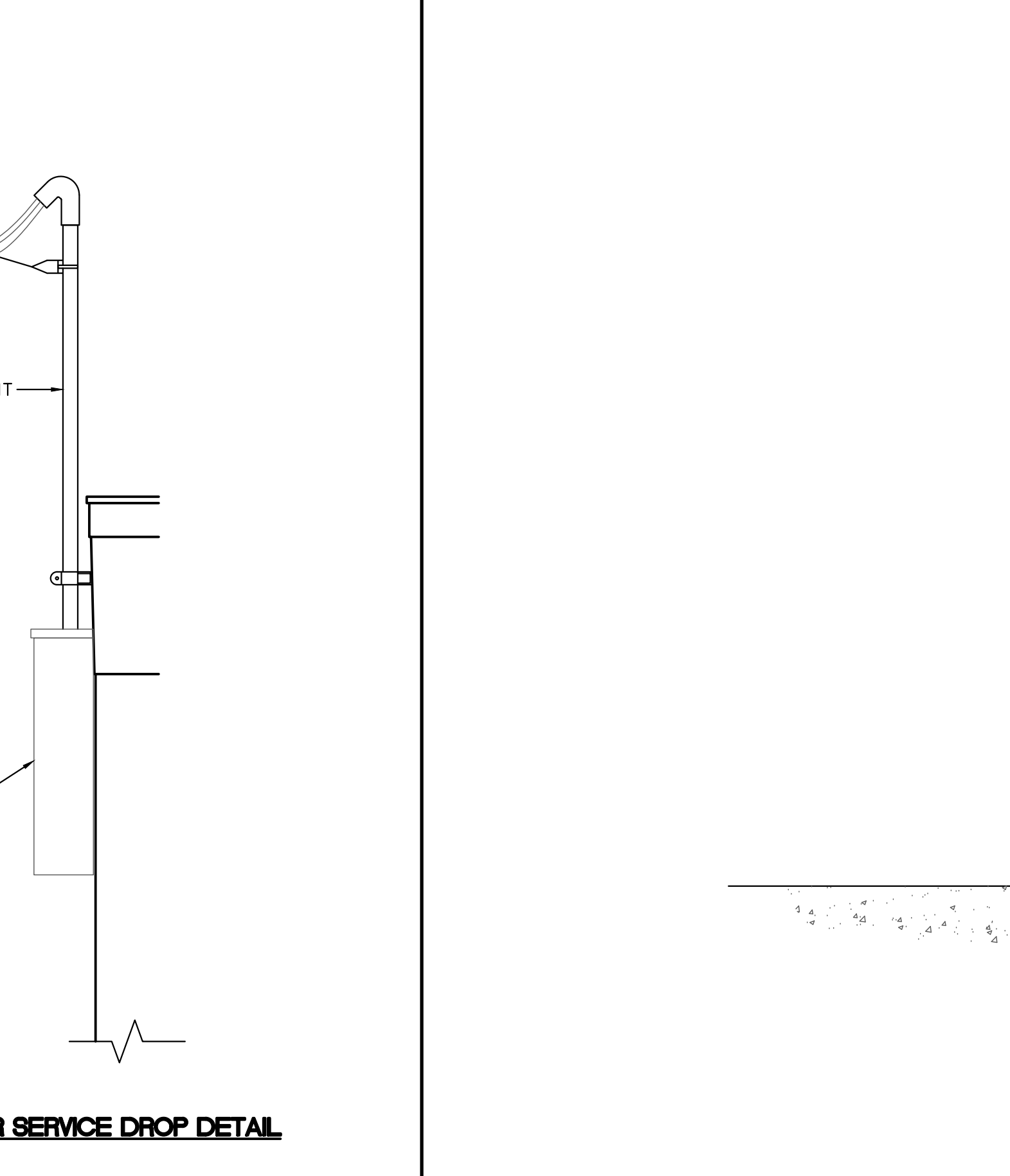
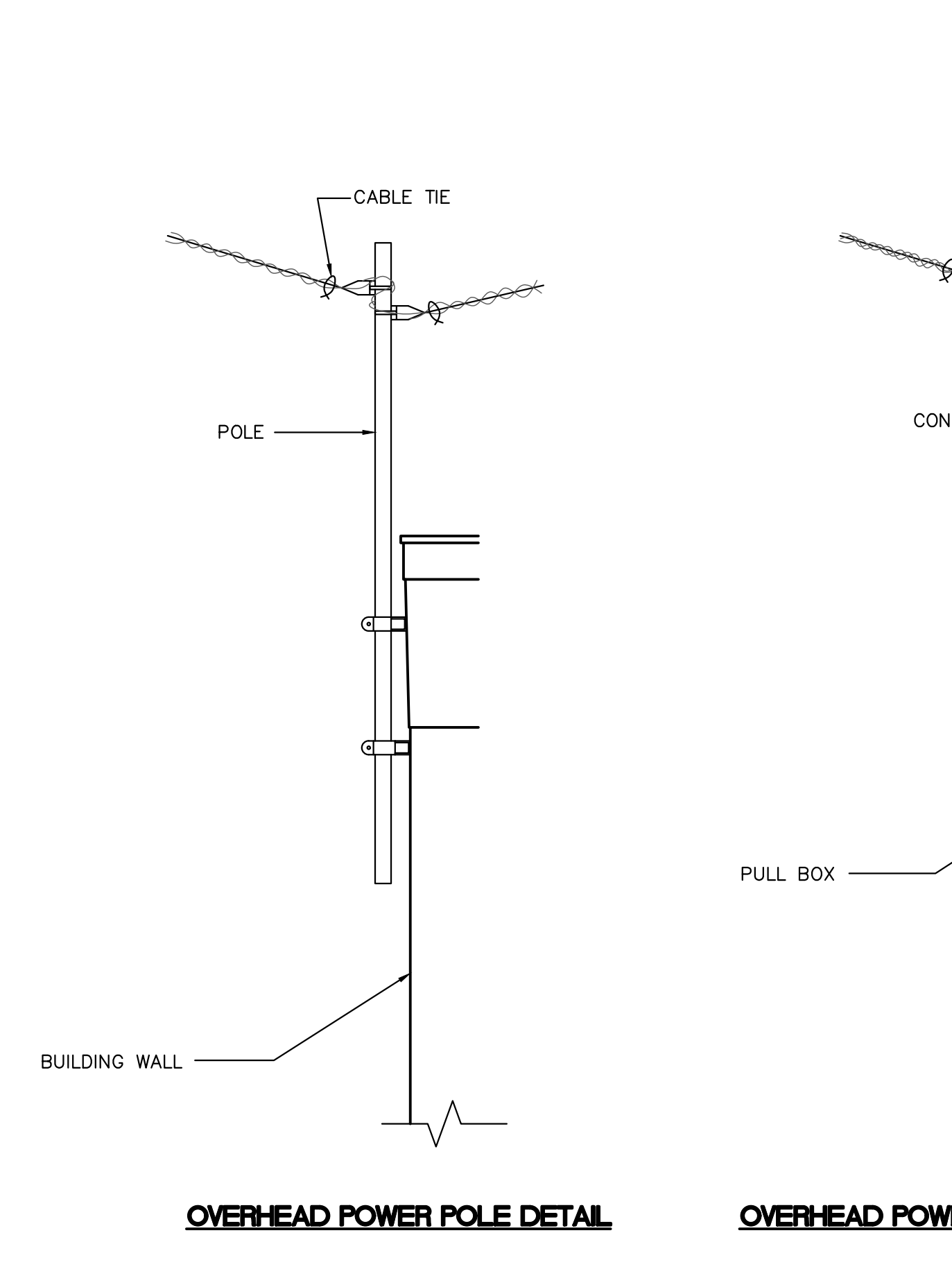
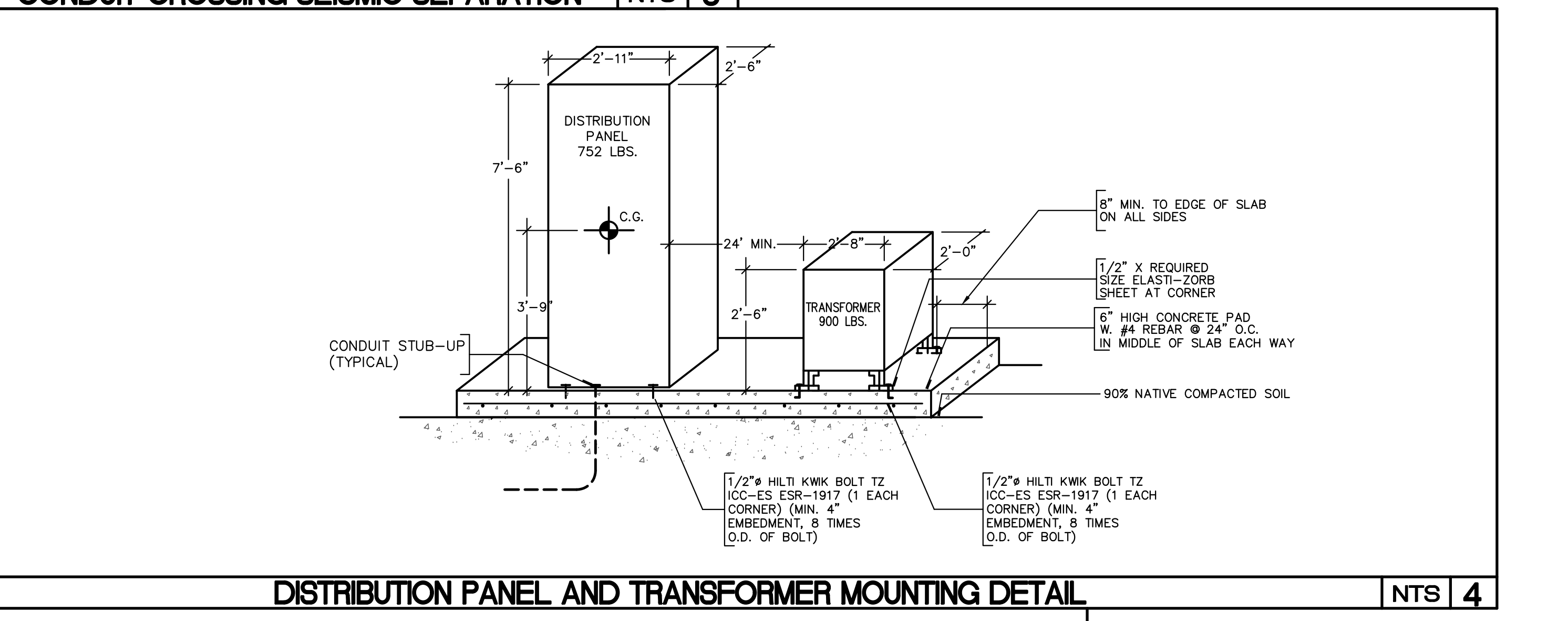
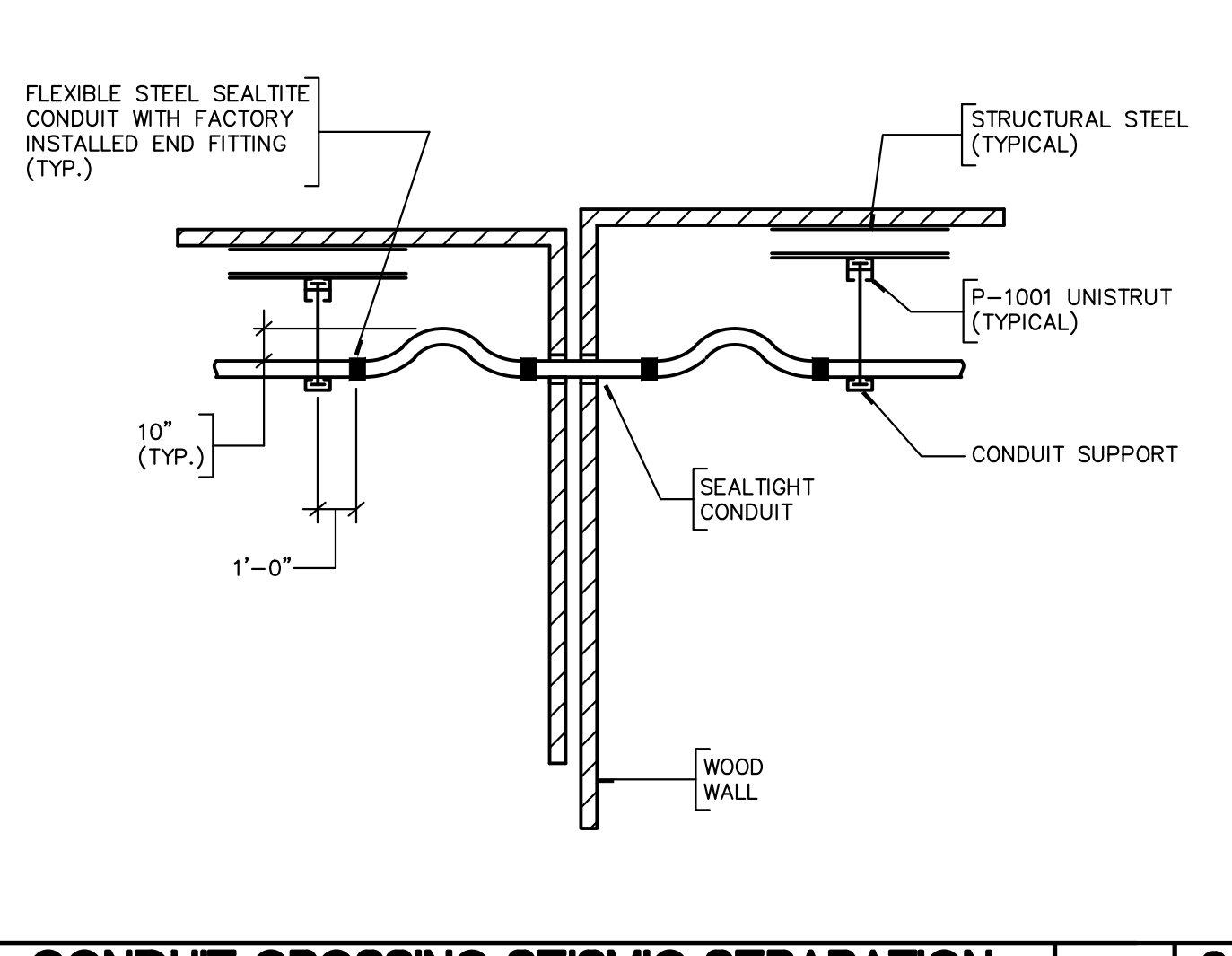
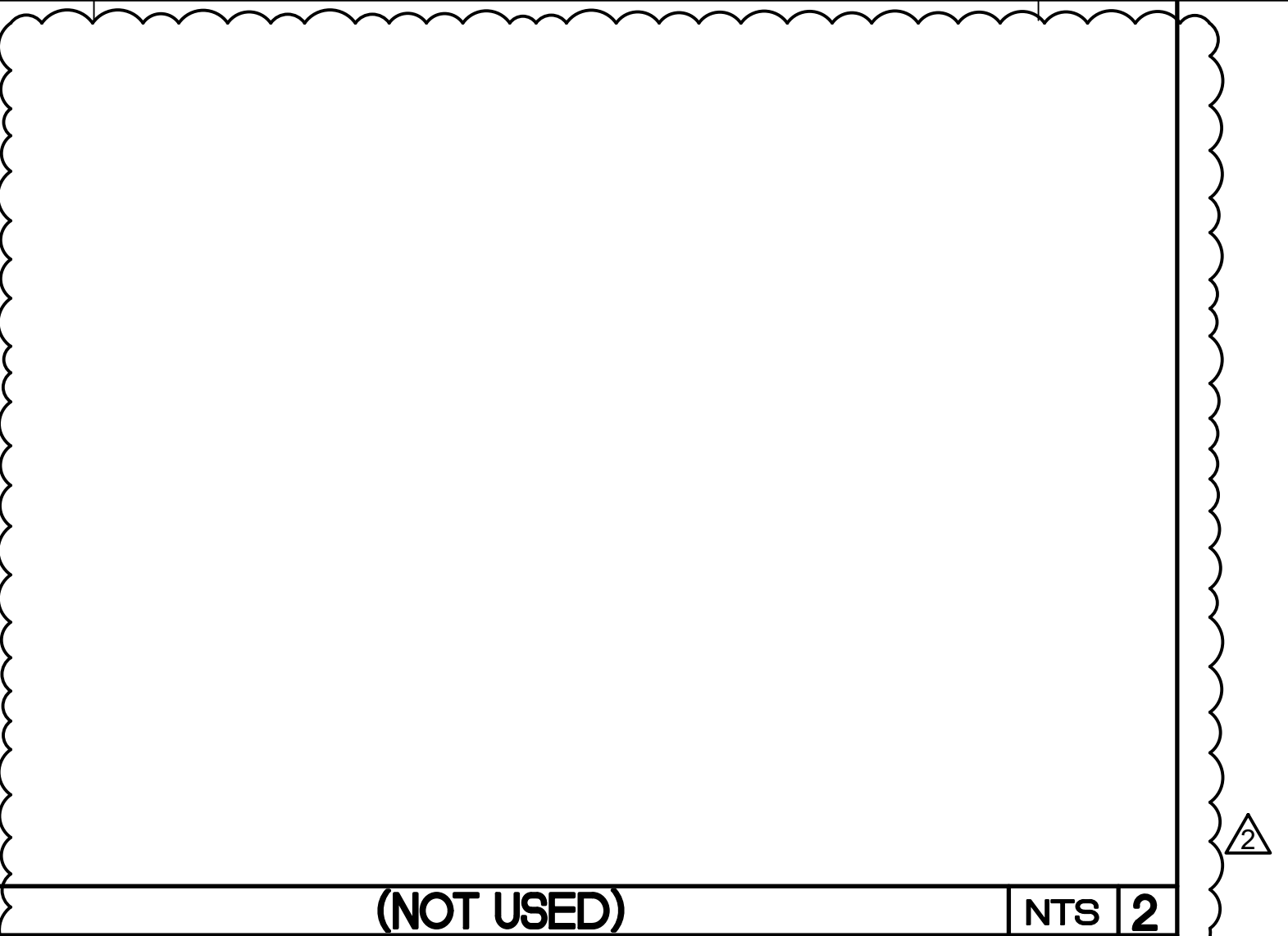
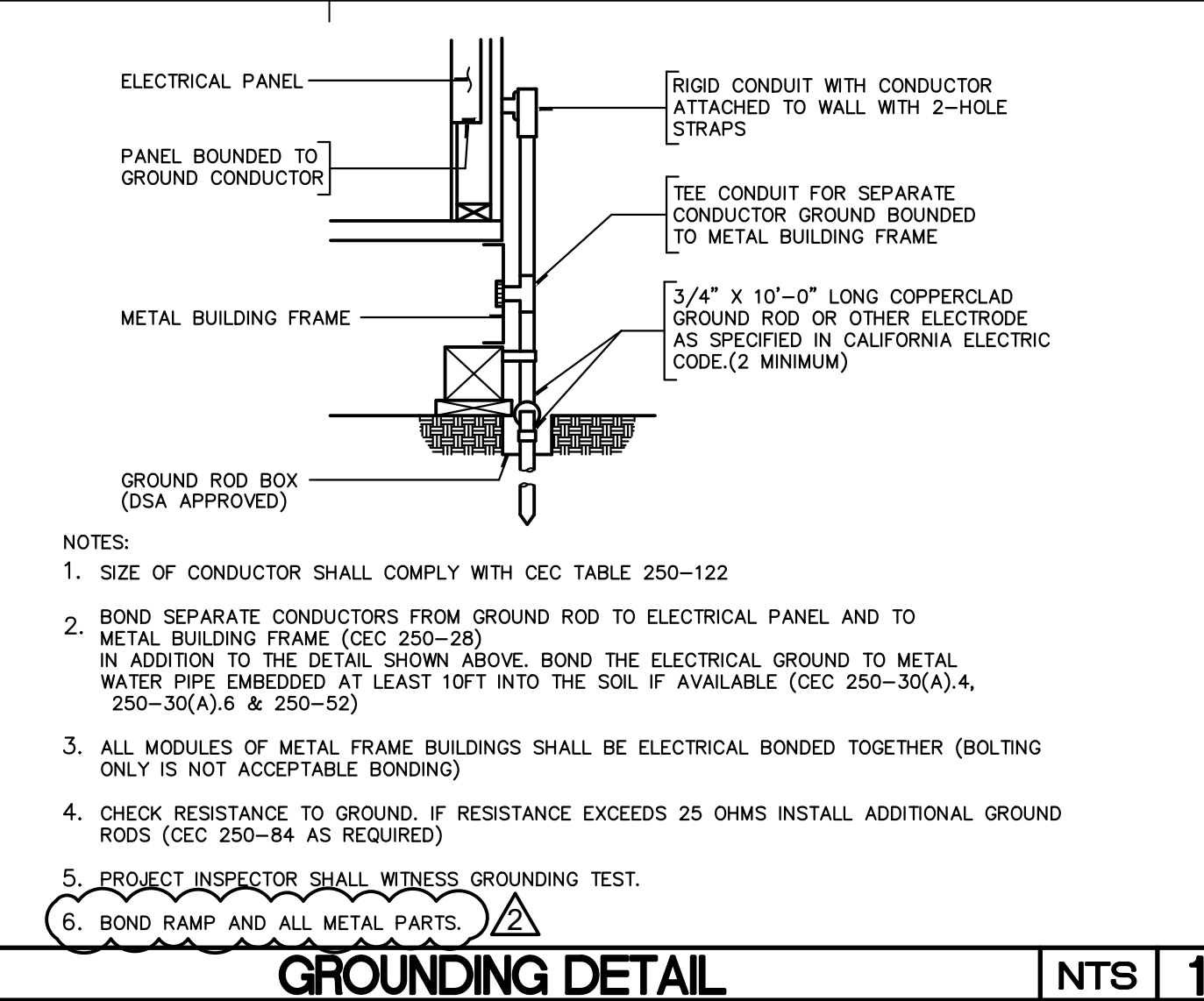
17. THE CONTRACTOR SHALL NOT SCALE DRAWINGS. ALL DIMENSIONS SHALL BE FIELD VERIFIED.

18. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE SHUT-DOWN SCHEDULE AND TIME REQUIRED PRIOR TO DEMOLITION AND INSTALLATION OF NEW CONDUIT, WIRE AND PANELBOARDS FROM THE EXISTING SYSTEM. THE SHUT-DOWN SHALL BE SCHEDULED IN SUCH A MANNER TO MINIMIZE INTERRUPTION OF REGULAR ACTIVITIES. THE CONTRACTOR SHALL INCLUDE IN HIS BID ALL PREMIUM TIME REQUIRED FOR THE NEW CONNECTIONS. (NO EXCEPTION WILL BE TAKEN DURING NORMAL BUSINESS HOURS).

18. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR ALL TRENCHING, BACKFILLING SAW CUTTING AND REFINISHING OF SURFACES, FINISHES TO MATCH EXISTING. (NEW EXPOSED CONDUIT TO BE PAINTED TO MATCH EXISTING FINISH).

ELECTRICAL SYMBOL LIST

SYMBOL	DESCRIPTION
(R)	DASHED SYMBOL WITH "R" ADJACENT INDICATES EXISTING EQUIPMENT TO BE REMOVED.
(E)	DASHED SYMBOL WITH "E" ADJACENT INDICATES EXISTING EQUIPMENT TO REMAIN.
---	EXISTING CONDUIT AND CONDUCTORS TO REMAIN.
---ER---	EXISTING CONDUIT AND CONDUCTORS TO BE DISCONNECTED AND COMPLETELY REMOVED.
---EX---	EXISTING CONDUIT TO REMAIN, CONDUCTORS TO BE DISCONNECTED AND COMPLETELY REMOVED.
---EN---	EXISTING CONDUIT WITH NEW CONDUCTORS. CROSS LINES ON CONDUIT RUNS INDICATE NUMBER OF #12 WIRES CONTAINED THEREIN. TWO #12 ARE INDICATED WHEN CROSS LINES ARE NOT SHOWN. NUMERALS ADJACENT TO CROSS LINES ON CONDUIT RUNS INDICATE SIZE OF CONDUCTORS IN LIEU OF #12.
---	CONDUIT RUN, CONCEALED IN CEILING, WALLS, OR UNDER FLOOR.
---	CONDUIT RUN EXPOSED ON ROOF.
---	CONDUIT RUN UNDERGROUND.
---	CROSS LINES ON CONDUIT RUNS INDICATED NUMBER #12 WIRES CONTAINED THEREIN. TWO #12 ARE INDICATED WHEN CROSS LINES ARE NOT SHOWN.
B-1.3	CONDUIT HOME RUN TO PANELBOARD. LETTER AND NUMERALS INDICATE ELECTRICAL PANEL AND CIRCUIT NUMBER.
Sk	LIGHTING KEYED SWITCH.
	MOLDED CASE CIRCUIT BREAKER (SINGLE LINE DIAGRAM).
	GROUND.
	COMBINATION VISUAL STROBE ANNUNCIATOR AND SOUNDER, MOUNT AT +80" OR 6" BELOW CEILING WHICHEVER IS LOWER.
WP	FIRE ALARM HORN, WEATHERPROOF MOUNT AT 96".
?	SMOKE/CO DETECTOR CEILING MOUNTED.
!	HEAT DETECTOR ATTIC MOUNTED.
	TELEPHONE/INTERCOM STATION HAND SET AND OUTLET WALL MOUNTED TYPE MOUNTED AT +48" AFF UNLESS OTHERWISE NOTED.
	INTERCOM SPEAKER/CLOCK COMBO AND BACKBOX. MOUNT AT +7"-6".
WP	INTERCOM SPEAKER, WEATHERPROOF MOUNT AT 96".
?	(2) CAT 6 DATA OUTLETS MOUNTED NEXT TO CONVENIENCE OUTLET MOUNTED AT +18" UNLESS OTHERWISE NOTED.
?	(2) CAT 6 DATA OUTLETS CEILING MOUNTED AT CENTER OF ROOM.
F	FIRE ALARM CONDUIT, 3/4"C. WITH REQUIRED WIRING CONTAINED THEREIN.
D2	DATA SYSTEM CONDUIT 1"C WITH (2) CAT 6 DATA CABLES.
T	TELEPHONE SYSTEM CONDUIT 3/4"C WITH REQUIRED WIRING CONTAINED THEREIN.
C	INTEGRATED COMMUNICATION SYSTEM CONDUIT, 3/4"C. WITH REQUIRED CABLES THEREIN.
SEC	INTRUSION ALARM SYSTEM CONDUIT 3/4"C. WITH REQUIRED CABLES CONTAINED THEREIN.
MD	MOTION DETECTOR CEILING MOUNTED.
	INTRUSION ALARM DOOR CONTACT.
CTB	COMMUNICATIONS TERMINAL BOARD.
FACP	FIRE ALARM CONTROL PANEL. (EXISTING).
FATC	FIRE ALARM TERMINAL CABINET WITH REMOTE POWER SUPPLY.
MDF	MAIN DISTRIBUTION FRAME (EXISTING).
IDF	INTERMEDIATE DISTRIBUTION FRAME.
SCP	SECURITY CONTROL PANEL.
MSCP	MAIN SECURITY CONTROL PANEL (EXISTING).
MTTB	MAIN TELEPHONE TERMINAL BOARD (EXISTING).
MCATV	CABLE TELEVISION DISTRIBUTION.
EOL	END OF LINE RESISTOR.
SPB	SIGNAL UNDERGROUND PULLBOX.
PPB	POWER UNDERGROUND PULLBOX.
WP	WEATHERPROOF.
VL	VERIFY EXACT LOCATION IN FIELD.



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REGISTERED ARCHITECT
 SHEET LAY
 STATE OF CALIFORNIA
 REGISTERED PROFESSIONAL ENGINEER
 No. 17238
 6/26/2014
 STATE OF CALIFORNIA

CONSULTANT
YE YOWANTO ENGINEERING, INC.
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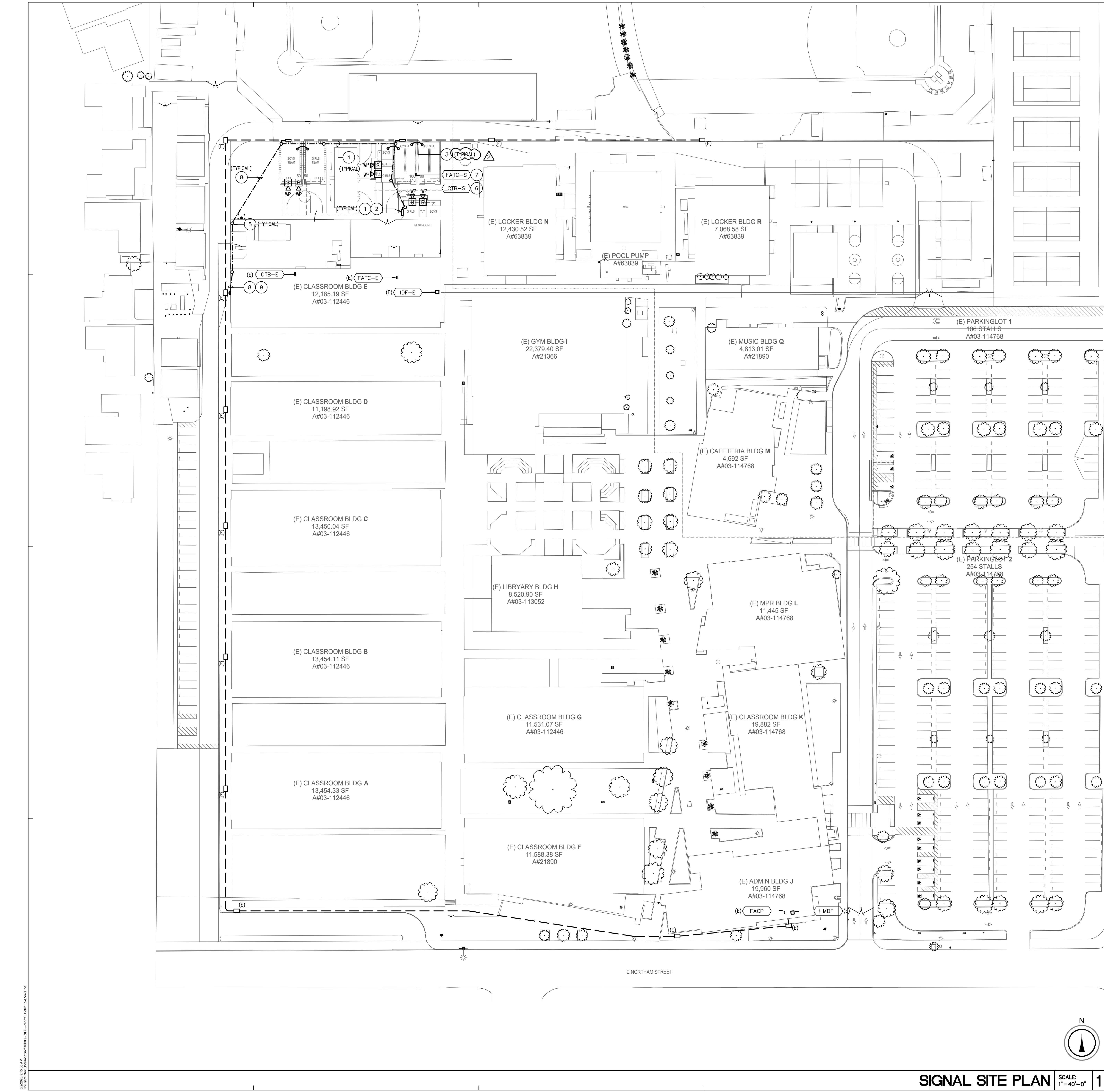
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ELECTRICAL GENERAL
 NOTES & SYMBOLS

DRAWING NUMBER: **E0.1**

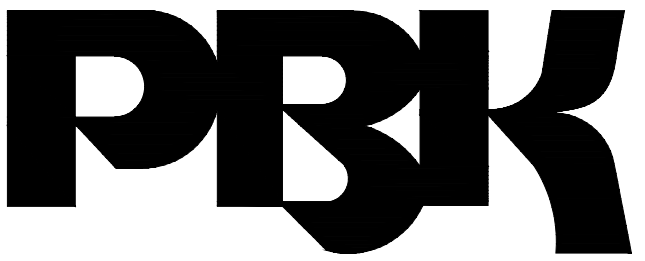


NOTES

- REFER TO DRAWING E0.1 FOR GENERAL NOTES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND VERIFYING THE EXACT LOCATION OF THE "COMMUNICATIONS" PULLBOX FOR THE PROPER INTERFACE WITH THE UNDERGROUND CONDUIT STUB-UPS.
- REFER TO DRAWINGS E-2.1 COMMUNICATIONS CONDUIT DISTRIBUTION AND REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK ASSOCIATED WITH THE EXPANSION OF THE FIRE ALARM SYSTEM AND THE INTERCOM SYSTEM WITH THE PARTICULAR SYSTEMS MANUFACTURERS REPRESENTATIVE AND PROVIDED REQUIRED SYSTEM HARDWARE AND SOFTWARE FOR A FULLY OPERABLE SYSTEM EXPANSION.
- WHERE NEW AND EXISTING CONDUIT STUB-OUTS ARE TO BE INTERCEPTED, THE CONTRACTOR SHALL VERIFY THE ACTUAL ROUTING OF THE NEW AND EXISTING CONDUITS AND DETERMINE THE ACTUAL POINT OF INTERCEPTION THE FIELD.
- LOCATION OF UNDERGROUND PULLBOXES AND CONDUIT ROUTING INDICATED ON THESE PLANS IS DIAGNOSTIC. ACTUAL PULLBOX LOCATION AND ROUTING OF UNDERGROUND CONDUITS SHALL BE VERIFIED IN THE FIELD TO AVOID INTERFERENCE WITH OTHER UTILITIES AND TRADES.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN REQUIRED CLEARANCES BETWEEN UNDERGROUND ELECTRICAL CONDUITS AND FOOTINGS. CONDUIT STUB-UPS SHALL NOT BE INSTALLED IN FOOTINGS, EXACT METHOD FOR STUBBING-UP CONDUITS AT FOOTINGS LOCATIONS SHALL COORDINATED IN THE FIELD WITH THE ARCHITECT.
- PROTECT EXISTING CONCRETE, WALKWAY, ELECTRICAL FOR TRENCHING TO BE WITHIN ASPHALT AREA UNLESS WHERE NECESSARY, PATCH CONCRETE TO MATCH SURROUNDING WHERE NECESSARY.
- ALL CABLES (POWER AND SIGNAL) SHALL BE RATED FOR SUN RESISTANT AND OVERHEAD USE.
- CONTRACTOR SHALL BE RESPONSIBLE TO SIZE PULL BOXES PER CODE AND PROVIDE NUMBER OF PULL BOXES AS REQUIRED TO ACCOMMODATE CONDUITS AND CABLES.

REFERENCE NOTES

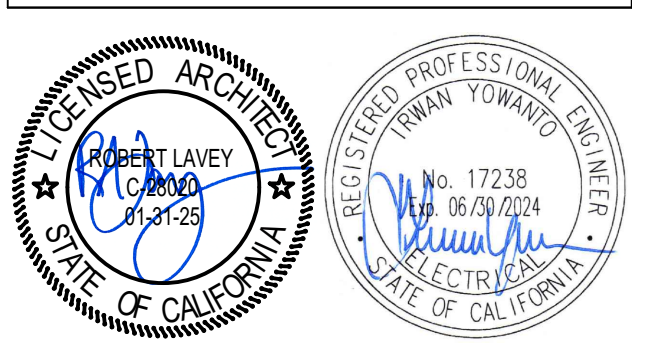
- (N) 24"x 24"x 6" DEEP (NEMA 3R) WALL MOUNTED "FIRE ALARM/DATA" PULL BOX. VERIFY EXACT LOCATION AND MOUNTING HEIGHT IN FIELD. PROVIDE STEEL BARRIER IN PULL BOX. TYPICAL.
- INSTALL POLE OR WEATHERHEAD ABOVE PULL BOX OR ON THE ROOF AND TERMINATE CABLES IN PULL BOX. REFER TO DETAIL "5/E0.1". TYPICAL.
- ROUTE CABLES THRU (1) 1" SEALTIGHT FLEX CONDUIT FOR FIRE ALARM SYSTEM AND (2) 2" SEALTIGHT FLEX CONDUIT FOR DATA/SECURITY SYSTEMS OR QUANTITY AS REQUIRED. REFER TO DETAIL "3/E0.1". TYPICAL.
- FIRE ALARM CABLES, FIBER OPTIC OR DATA, SECURITY AND SPEAKER/CLOCK CABLES (SUN RESISTANT). CABLES SHALL BE MOUNTED MINIMUM 3 FEET ABOVE ROOF. VERIFY EXACT ROUTING AND MOUNTING HEIGHT IN FIELD. TYPICAL.
- POWER POLE OR WEATHERHEAD SHALL BE USED FOR FIRE ALARM AND LOW VOLTAGE CABLES ON THE ROOF. INSTALL LOW VOLTAGE CABLES BELOW POWER CONDUCTORS. VERIFY EXACT LOCATION AND MOUNTING HEIGHT IN FIELD. QUANTITY AS REQUIRED. TYPICAL.
- INSTALL (N) COMMUNICATION TERMINAL CABINET "CTB-S". VERIFY EXACT LOCATION WITH THE DISTRICT. PROVIDE DEDICATED 120V POWER FROM MODULAR PANEL COMPLETE WITH 20A/1P BREAKER IN MODULAR PANEL.
- INSTALL (N) FIRE ALARM REMOTE POWER SUPPLY AND CABINET "FATC-S". PROVIDE DEDICATED 120V POWER FROM MODULAR PANEL COMPLETE WITH 20A/1P BREAKER (LOCK-ON) IN MODULAR PANEL. VERIFY EXACT LOCATION IN FIELD.
- OVERHEAD FIRE ALARM CABLES, FIBER OPTIC OR DATA, SECURITY AND SPEAKER/CLOCK CABLES (SUN RESISTANT). CABLES SHALL BE MOUNTED MINIMUM 18 FEET ABOVE FINISH GRADE ON POLE OR 3 FEET ABOVE ROOF. VERIFY EXACT ROUTING IN FIELD.
- INSTALL NEW FIRE ALARM AND LOW VOLTAGE CABLES TO MAIN HEAD-END EQUIPMENT IN EXISTING PATHWAYS. VERIFY EXACT ROUTING IN FIELD.



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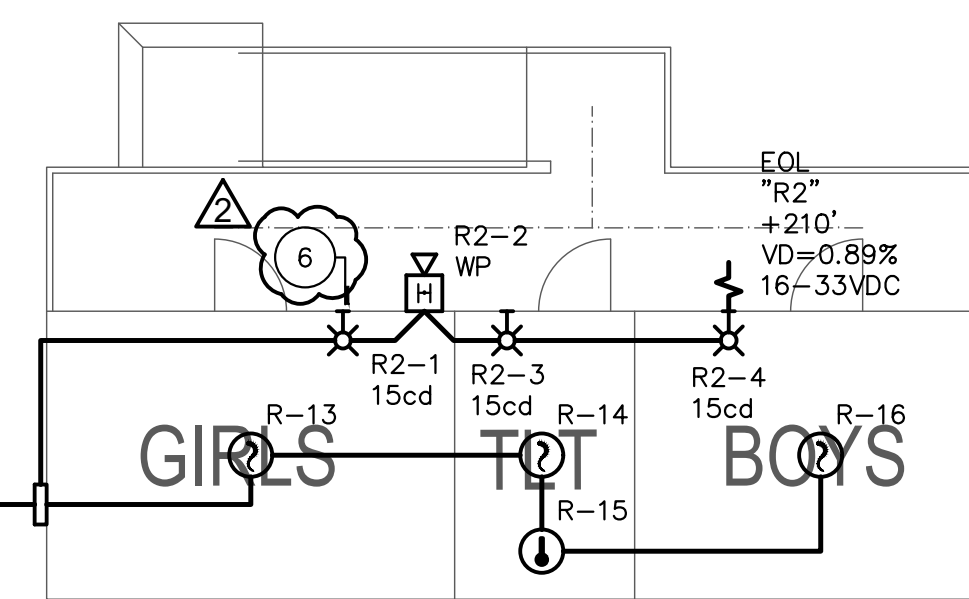
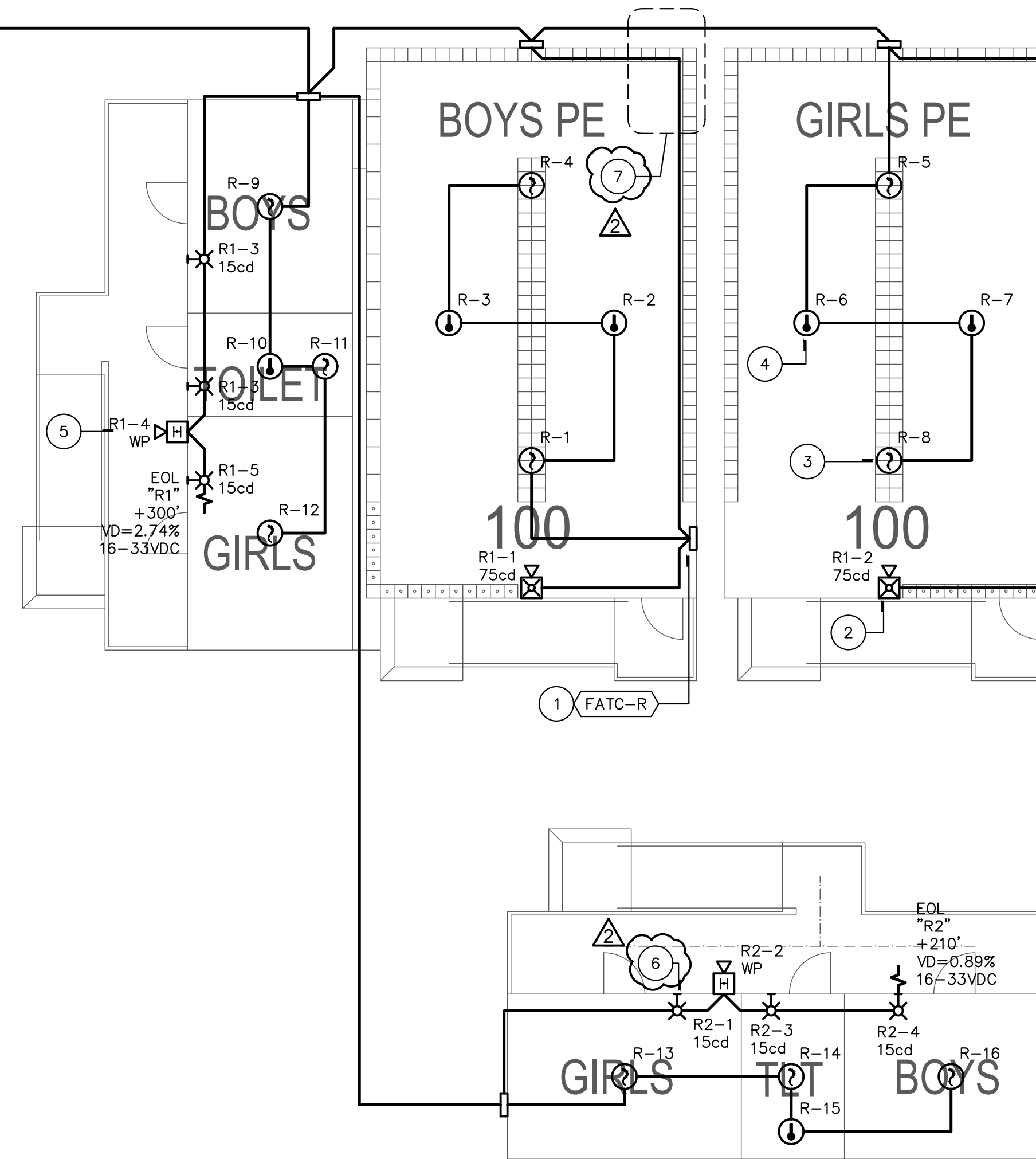
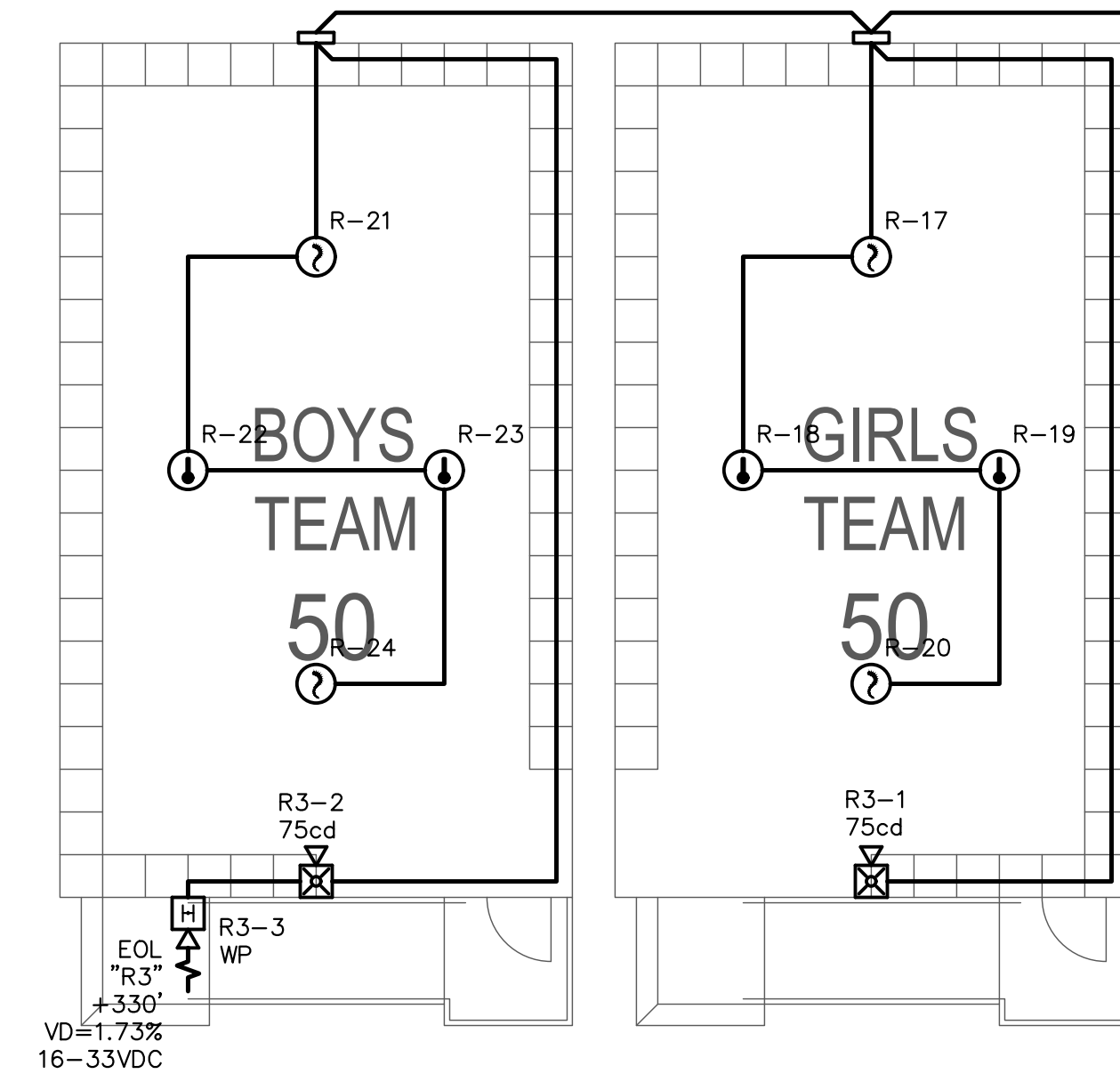
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REVISIONS			

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DATE: 10/06/23 SCALE: AS NOTED
PROJECT NUMBER: 2110000

SIGNAL SITE PLAN

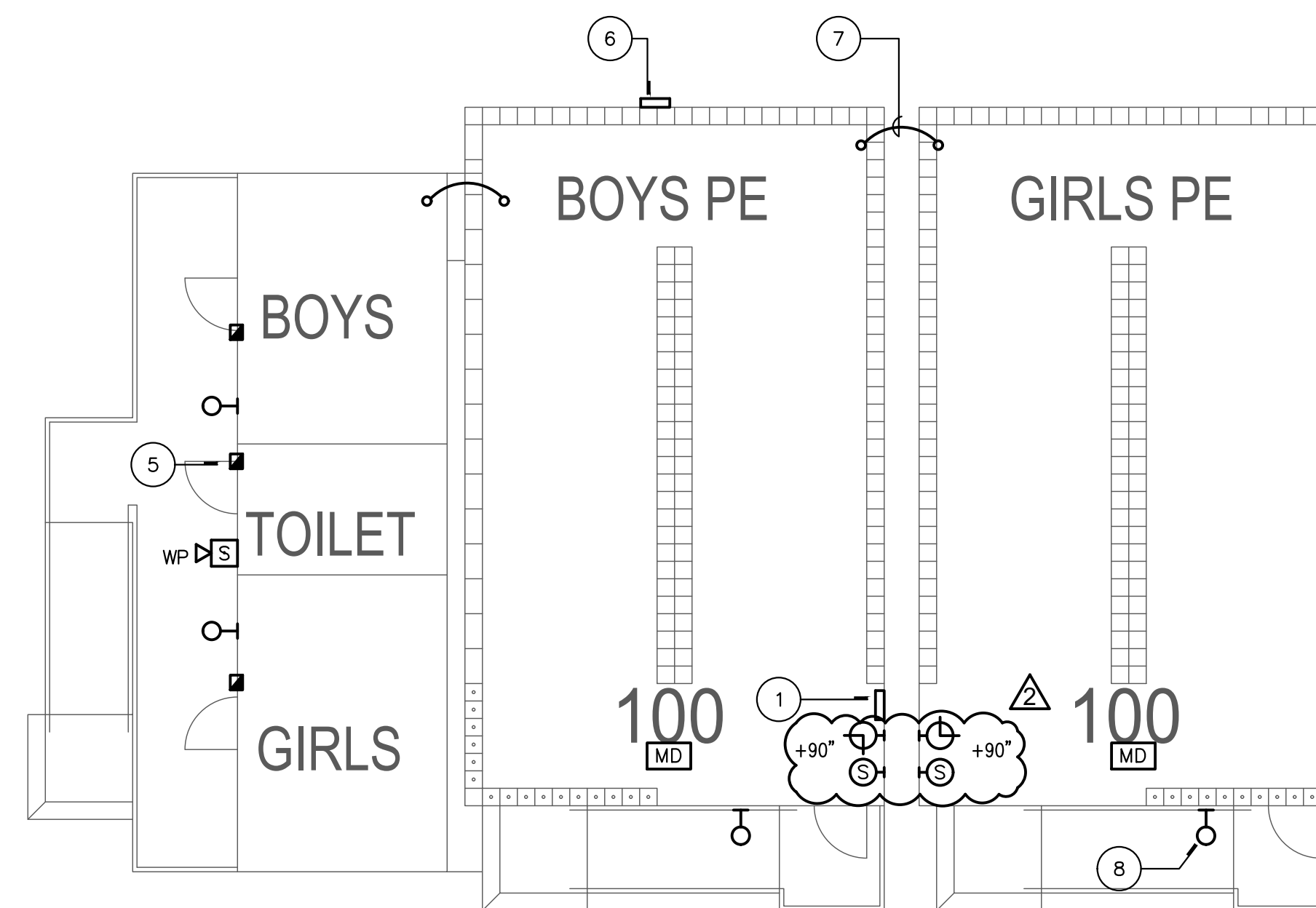
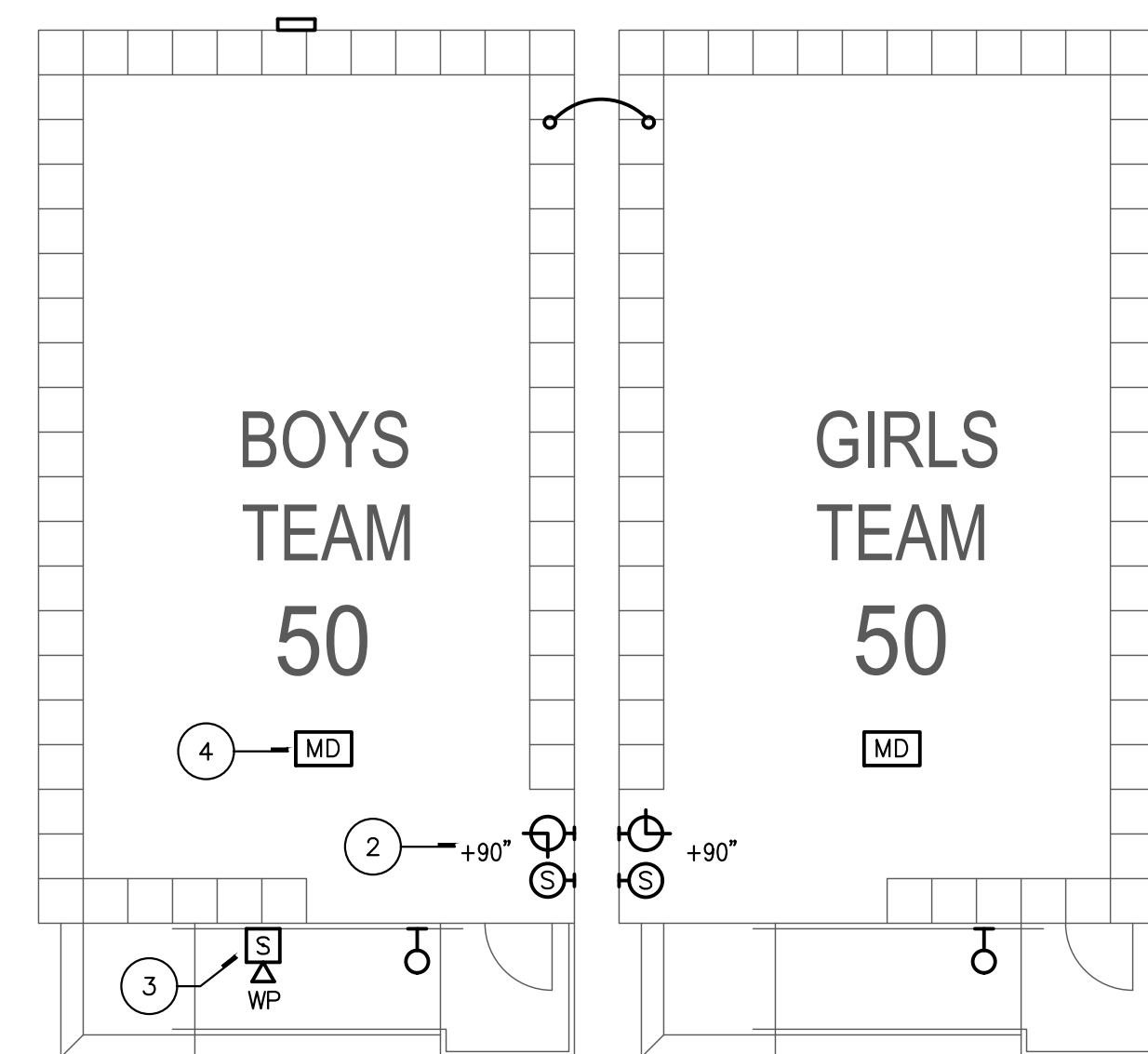
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RESTROOMS

FIRE ALARM FLOOR PLAN SCALE: 1/8"=1'-0" 1



RESTROOMS

SIGNAL FLOOR PLAN SCALE: 1/8"=1'-0" 2

NOTES

1. THE ELECTRICAL CONTRACTOR TO PROVIDE AND ROUGH-IN ALL NECESSARY LOW VOLTAGE AND FIRE ALARM SYSTEMS BACK BOXES, BUILDING MOUNTED TERMINAL BOXES AND ASSOCIATED CONDUITS (INCLUDING PULL-ROPE), BETWEEN BACK BOX AND TERMINAL BOX.
2. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL NEW LOW VOLTAGE COMMUNICATION/SIGNAL AND FIRE ALARM DEVICES TO MATCH EXISTING SITE SYSTEMS. HE SHALL ALSO FURNISH AND INSTALL ALL ASSOCIATED CABLING REQUIRED AND MAKE ALL FINAL CONNECTIONS TO PROVIDE A FULLY FUNCTIONAL SYSTEM EXPANSION. COORDINATE ALL SPECIFIC REQUIREMENTS WITH THE LOCAL REPRESENTATIVE FOR "FCI/GAMEWELL" (FIRE ALARM) AND "BOGEN" (COMMUNICATIONS).
3. COORDINATE AND VERIFY WITH DEVICES MANUFACTURER FOR JUNCTION BOX SIZE REQUIRED FOR FUTURE INSTALLATION.
4. MOUNTING HEIGHT SHALL COMPLY WITH ADA REQUIREMENTS AND AS NOTED ON PLAN.
5. WHERE EXISTING CONDUIT STUB-OUTS ARE TO BE INTERCEPTED, THE CONTRACTOR SHALL VERIFY THE ACTUAL ROUTING OF THE EXISTING CONDUITS AND DETERMINE THE ACTUAL POINT OF INTERCEPTION THE FIELD.
6. COORDINATE AND VERIFY EXACT LOCATION AND MOUNTING HEIGHT OF JUNCTION BOXES.
7. COORDINATE AND VERIFY WITH DEVICES MANUFACTURER FOR JUNCTION BOX SIZE REQUIRED FOR FUTURE INSTALLATION.
8. REFER TO NFPA 72 FOR MOUNTING HEIGHT, LOCATION AND SPACING OF FIRE ALARM DEVICES. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE SMOKE DETECTORS, ATIC HEAT DETECTOR, FIRE ALARM HORN/STROBE AND FIRE ALARM EXTERIOR HORN TO COMPLY WITH NFPA 72 FOR COVERAGE.
9. REFER TO DRAWING E0.1 FOR GENERAL NOTES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND VERIFYING, THE EXACT LOCATION OF THE "COMMUNICATIONS" PULLBOX FOR THE PROPER INTERFACE WITH THE UNDERGROUND CONDUIT STUB-UPS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK ASSOCIATED WITH THE EXPANSION OF THE FIRE ALARM SYSTEM AND THE INTERCOM SYSTEM WITH THE PARTICULAR SYSTEMS MANUFACTURERS REPRESENTATIVE AND PROVIDED REQUIRED SYSTEM HARDWARE AND SOFTWARE FOR A FULLY OPERABLE SYSTEM EXPANSION.
12. WHERE EXISTING CONDUIT STUB-OUTS ARE TO BE INTERCEPTED, THE CONTRACTOR SHALL VERIFY THE ACTUAL ROUTING OF THE EXISTING CONDUITS AND DETERMINE THE ACTUAL POINT OF INTERCEPTION THE FIELD.

F.A. REFERENCE NOTES

1. INSTALL (N) FIRE ALARM REMOTE POWER SUPPLY AND CABINET "FATC-S". PROVIDE DEDICATED 120V POWER FROM MODULAR PANEL COMPLETE WITH 20A/1P LOCK-ON BREAKER IN MODULAR PANEL. VERIFY EXACT LOCATION IN FIELD.
2. INSTALL WALL MOUNTED FIRE ALARM HORN/STROBE AND FIRE ALARM CABLE TO "FATC-S". OWNER FURNISHED CONTRACTOR INSTALL. TYPICAL.
3. INSTALL SMOKE/CO DETECTOR AND FIRE ALARM CABLE TO "FATC-S". OWNER FURNISHED CONTRACTOR INSTALL. TYPICAL.
4. INSTALL ATIC HEAT DETECTOR AND FIRE ALARM CABLE TO "FATC-S". OWNER FURNISHED CONTRACTOR INSTALL. TYPICAL.
5. INSTALL WEATHERPROOF EXTERIOR FIRE ALARM HORN AND FIRE ALARM CABLE TO "FATC-S". OWNER FURNISHED CONTRACTOR INSTALL. TYPICAL.
6. INSTALL FIRE ALARM STROBE AND FIRE ALARM CABLE TO "FATC-S". OWNER FURNISHED CONTRACTOR INSTALL. TYPICAL.
7. REFER TO DETAIL "3/E-0.1" FOR CONDUIT SEISMIC SEPARATION DETAIL. TYPICAL.

SIGNAL REFERENCE NOTES

1. (N) COMMUNICATION TERMINAL CABINET "CTB-S". VERIFY EXACT LOCATION WITH THE DISTRICT. PROVIDE DEDICATED 120V POWER FROM MODULAR PANEL COMPLETE WITH 20A/1P BREAKER IN MODULAR PANEL. INSTALL PLYWOOD BACKBOARD (SIZE AS REQUIRED) AND PAINT TO MATCH EXISTING WALL COLOR. VERIFY EXACT LOCATION IN FIELD.
2. INSTALL WALL MOUNTED SPEAKER/CLOCK COMBO AT +90° A.F.F. AND CABLES (WEST PENN #355 OR APPROVED EQUAL) TO EXISTING MAIN HEAD-END EQUIPMENT. TYPICAL.
3. INSTALL WALL MOUNTED WEATHERPROOF SPEAKER AND CABLES (WEST PENN #291 OR APPROVED EQUAL) TO EXISTING MAIN HEAD-END EQUIPMENT. TYPICAL.
4. INSTALL CEILING OR CORNER MOUNT INTRUSION PIR MOTION DETECTOR AND CABLE (6#22 AWG) TO SECURITY PANEL. VERIFY EXACT LOCATION IN FIELD. TYPICAL.
5. INSTALL INTRUSION DOOR CONTACT AND CABLE (6#22 AWG) TO SECURITY PANEL. COORDINATE WITH DOOR HARDWARE CONTRACTOR. TYPICAL.
6. INSTALL 24"x24"x1/2" DEEP OR SIZE AS REQUIRED (NEMA-3R) WALL MOUNTED "DATA/SEC/FA" PULLBOX. PROVIDE METAL BARRIER FOR FIRE ALARM CABLE. VERIFY EXACT LOCATION IN FIELD. TYPICAL.
7. INSTALL (1) 1" SEALTIGHT FLEX CONDUIT FOR FIRE ALARM SYSTEM AND (2) 2" SEALTIGHT FLEX CONDUIT FOR DATA/SECURITY SYSTEMS OR QUANTITY AS REQUIRED. REFER TO DETAIL "3/E-0.1" FOR CONDUIT SEISMIC SEPARATION DETAIL. TYPICAL.
8. INSTALL EXTERIOR LED LIGHTING FIXTURE BY KENALL #M013ED-PP-MB-16L40K-DV-LEL-BPC COMPLETE WITH 90-MINUTE EMERGENCY BATTERY PACK AND PHOTO CELL. CONNECT TO UNSWITCHED LIGHTING CIRCUIT. TYPICAL.



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NOGALES HIGH SCHOOL
PORTABLE LOCKER & RESTROOM INTERIM HOUSING
ROWLAND UNIFIED SCHOOL DISTRICT

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NO	DATE	BY	DESCRIPTION
10/6/23	10/6/23	IY	ADDENDUM #2
REVISIONS			

DRAWN: SC CHECKED: IY
DATE: 10/06/23 SCALE: AS NOTED
PROJECT NUMBER: 2110000

FIRE ALARM PLAN

DRAWING NUMBER: E2.1



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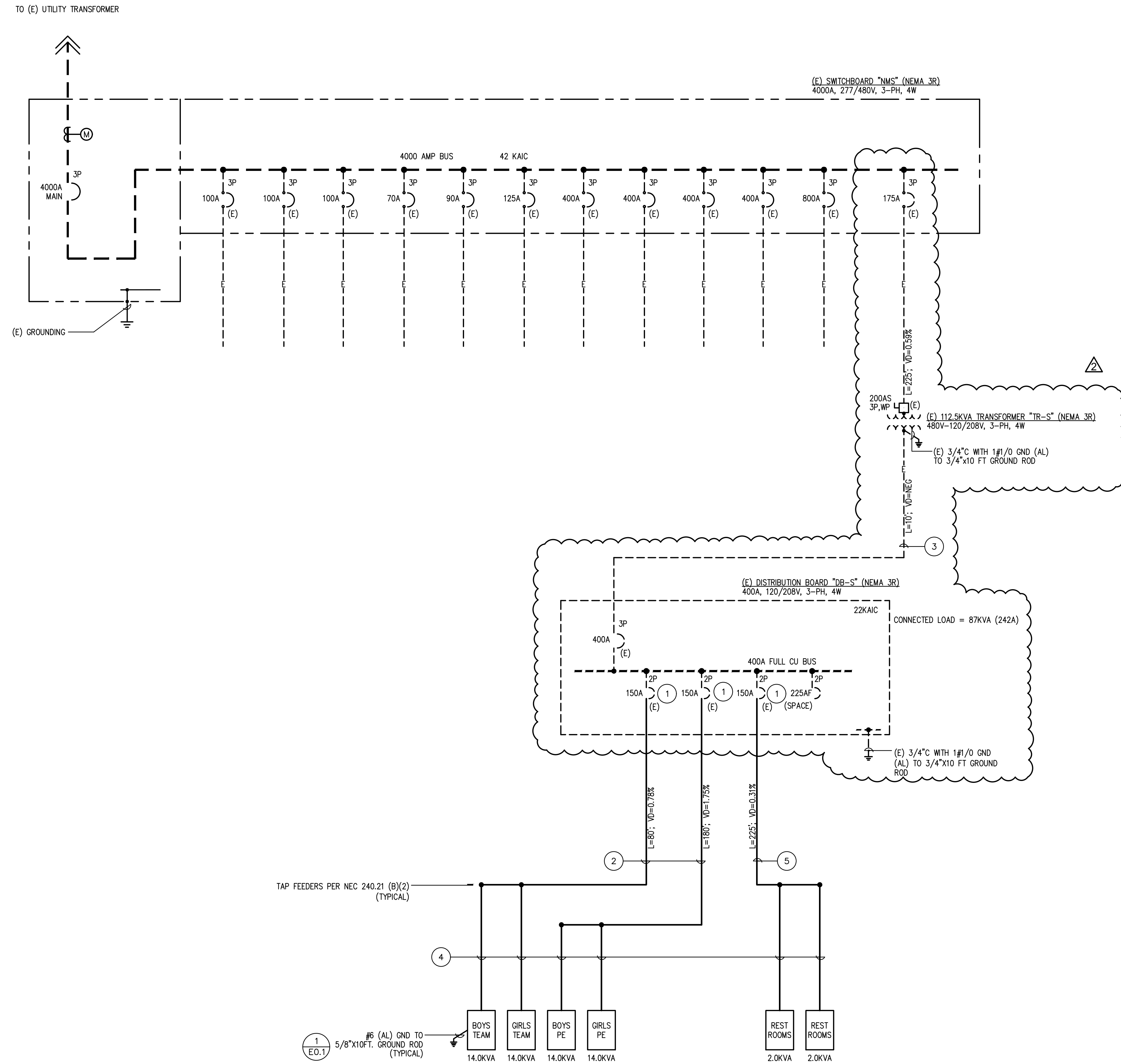
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NOTES

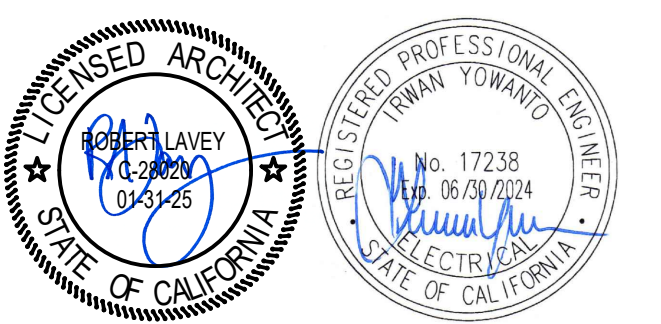
1. THE CONTRACTOR SHALL BALANCE ALL SINGLE PHASE LOADS ON PHASE A AND B.
2. ALL SWITCHBOARDS AND DISTRIBUTION BOARDS SHALL BE FULLY BUSSED.
3. PROVIDE CONTINUOUS GROUND BUSSING THROUGH ALL DISTRIBUTION BOARDS AND SWITCHBOARD SECTIONS.
4. SERIES RATING OF EQUIPMENT IS NOT ALLOWED.
5. CONTRACTOR SHALL BOND ALL METAL PIPING SYSTEMS AND EXPOSED STRUCTURAL STEEL PER NEC 250.104.
6. PROVIDE NAMEPLATES FOR ALL MISSING IDENTIFICATIONS, USE SCREW-ON TYPE.
7. PROVIDE AND INSTALL NEW IDENTIFICATION NAMEPLATES ON ALL PANELS AS INDICATED ON PANEL SCHEDULES.
8. REFERENCES FEEDER LOCATION SHOWN ON E1.1 SITE PLAN.
9. THE CONTRACTOR SHALL PROVIDE AND INSTALL A NEW CIRCUIT BREAKER OF THE RATING INDICATED ON THE SINGLE LINE DIAGRAM TO MATCH EXISTING IN MANUFACTURER, FUNCTION AND SHORT CIRCUIT DUTY. THE NEW CIRCUIT BREAKER SHALL BE COMPLETE WITH ALL REQUIRED MOUNTING HARDWARE.
10. GROUND RESISTANCE SHALL NOT EXCEED 25 OHMS.
11. CONTRACTOR SHALL BE RESPONSIBLE TO RELOCATE EXISTING CIRCUIT BREAKERS AND MAKE NECESSARY ADJUSTMENT TO EXISTING CONDUCTORS TO MAKE ROOM FOR NEW CIRCUIT BREAKER IN EXISTING SWITCHBOARD.
12. OVERHEAD CONDUCTORS SHALL BE LISTED FOR OVERHEAD AND SUN RESISTANT RATED AT 90°C.
13. UNDERGROUND CONDUCTORS SHALL BE LISTED FOR UNDERGROUND USE AND WET LOCATION RATED AT 90°C.
14. LUGS SHALL BE LISTED FOR CU/AL AND 90°C.
15. FEEDER SHALL BE ALUMINUM (XLPE INSULATION FOR OVERHEAD AND XHHW-2 IN CONDUIT) UNLESS OTHERWISE NOTED.

REFERENCE NOTES

1. CONNECT NEW CONDUCTORS TO EXISTING CIRCUIT BREAKER.
2. INSTALL STEEL REINFORCED ALUMINUM OVERHEAD SECONDARY CONDUCTORS (XLPE) BY ALCAN #PALOOSA OR APPROVED EQUAL.
3. (E) (F) 2-1/2" C-4#250Kcmil & 1#1/0 GND CONDUCTORS (AL) BY STABLOLOY WITH XHHW-2 INSULATION (WET LOCATION) OR APPROVED EQUAL. VERIFY EXACT ROUTING IN FIELD.
4. INSTALL STEEL REINFORCED ALUMINUM OVERHEAD SECONDARY CONDUCTORS (XLPE) BY ALCAN #HACKNEY OR APPROVED EQUAL.
5. INSTALL STEEL REINFORCED ALUMINUM OVERHEAD SECONDARY CONDUCTORS (XLPE) BY ALCAN #COSTENA OR APPROVED EQUAL.



SINGLE LINE DIAGRAM



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DRAWN	CHECKED
SC	IY
DATE	SCALE
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SINGLE LINE AND AV WIRING DIAGRAM

DRAWING NUMBER: **E4.1**

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