

Date: April 22, 2021

**ADDENDUM NO. 2**

To Project Bidding Documents for:

**MONTE VISTA ELEMENTARY SCHOOL  
INTERIM HOUSING PROJECT  
GLENDALE UNIFIED SCHOOL DISTRICT**

DSA Appl. No.03-121306  
DSA File No. 19-41

tBP Project No. 21056.00

tBP/ARCHITECTURE

4611 Teller Avenue  
Newport Beach, CA 92660  
949/673-0300

TO: PROSPECTIVE BIDDERS

This Addendum forms a part of the Contract Documents and modifies the original Bidding Drawings and Specifications dated April 8, 2021. Acknowledge receipt of this Addendum in space provided on the Bid Form. Failure to acknowledge may subject Bidder to disqualification.

**CHANGES TO DRAWINGS**

1. SHEET C004 – UTILITY PLAN  
Removed sanitary sewer ejector pump, updated keynotes, updated the potable water construction notes and added AC ramp transition notation.
2. SHEET C003 – GRADING PLAN  
Revised construction note No. 3.
3. SHEET C005 – DETAIL SHEET  
Revised detail for shut-off valve in yard box and added thrust block details.
4. SHEET AS-1 - OVERALL SITE PLAN  
Showing location of electrical trenching.
5. SHEET AS-5 - NEW CONCRETE RAMP  
Added splice and drainage requirements for retaining walls.
6. SHEET 2.01 – DETAILS  
Revise drywell detail 17/2.01.
7. SHEET E0-1 – SYMBOL LIST, GENERAL NOTES & DETAILS  
Revised grounding detail reference as shown on plans.
8. SHEET E0-2 – SINGLE LINE DIAGRAM
  - a. Deleted the feed to sewage ejector pump in Distribution Switchboard “DBR2”

- as shown on plan.
  - b. Deleted Single Line Diagram Plan Notes 5,6, and 7 as shown on plan.
9. SHEET E0-3 – ELECTRICAL DETAILS  
Added Detail 'E' as shown on plans.
  10. SHEET E2-1 – OVERALL ELECTRICAL SITE PLAN  
Removed sewage ejector pump feed, disconnect switch and control panel from behind existing relocatable #8108 and deleted plan notes 5, 6, and 7.
  11. SHEET E2-2 – OVERALL TELECOM PLAN
    - a. Revised conduit and added plan note and detail callouts for clarification of conduit routing and signal systems connections as shown on plan.
    - b. Added Plan Notes 7,8, and 9 as shown on plan.

**ATTACHMENTS**

The following attachments are a part of Addendum No. 2:

**1. Full Size Documents (30" x 42") Drawings: (Total 11)**

C003	Grading Plan
C004	Utility Plan
C005	Detail Sheet
AS-1	Overall Site Plan
AS-5	New Conc. Ramp
2.01	Details
E0-1	Symbol List, General Notes and Details
E0-2	Single Line Diagram and Details
E0-3	Electrical Details
E2-1	Overall Site Electrical Plan
E2-2	Overall Site Telecom Plan

**2. Pre-Bid RFI Responses: (Total 30)**

PB RFI No. 1 – RB RFI No. 30

Date: April 22, 2021

**MONTE VISTA ELEMENTARY SCHOOL  
INTERIM HOUSING PROJECT  
GLENDALE UNIFIED SCHOOL DISTRICT**

**tBP** Proj. No. 21056.00

**tBP/ARCHITECTURE**  
4611 Teller Avenue  
Newport Beach, CA 92660  
949-673-0300

TO: PROSPECTIVE BIDDERS

**RESPONSES TO PRE-BID RFI'S**

1. Reference Sheet C004  
Sheet C004 shows cleanouts 136 feet apart at northwest force main (given slope actual length is greater) however specification 33 30 003.3A calls for sanitary cleanouts no further than 100 feet apart.  
**Response** – Refer to Addendum No. 2 for sanitary sewer changes.
2. Reference Sheet C004  
Thrust block at changes in direction for sanitary sewer are not part of the design. Please advise if this is required.  
**Response** – Thrust blocks are not required on sanitary sewer line.
3. Reference Sheet C004
  1. Sheet E0.2 Note #6 E2.1 Note #5 state that the exact location of the sewage ejector control panel location is on the civil drawings. It is not.
  2. Specification 33 30 00 – 12 shows product having a 20' power cord. This would limit the horizontal distance to 10'. From experience on similar projects, cords for pump motors greater than 75' causes voltage drops.
  3. From experience on similar projects, control panels are anchored to a wall or free standing Unistrut structure on a pad with appropriate electrical clearances. No such details are provided.**Response** – Refer to Addendum No. 2 for sanitary sewer changes. Sewer ejector pump has been removed from the project.
4. RFI No. 4 – Duplicate of RFI No. 3
5. Reference Sheet C002  
Detail shown in specification 33 30 00 -22 as setback of basin so as to not surcharge the fiberglass structure does not fit proposed location on C002. The structure needs to be located at least 5' further south to the outside line of repose. Please advise.

- Response** – Refer to Addendum No. 2 for sanitary sewer changes. Sewer ejector pump has been removed from project. Attached please find the solar plans – as-builts are not available.
6. Reference Specification 01 40 00  
01 40 00 E Submitting test reports conflicts with 01 45 33-5 1.06 A. Please confirm that Contractor does not need to submit test reports to Architect.  
**Response** – Per the specifications these reports need to be submitted to the Architect.
7. Reference Specification 01 35 53  
Specification 01 35 53 1.06 (A) requires a 24 guard. All work is within a fence area and there are not public exposures. Request that this requirement be eliminated from the project scope or alternatively, can a camera service be utilized to meet this requirement.  
**Response** – Guard service is not required. The site needs to be secured everyday after worker leave the site.
8. Reference Specification 02 41 00 Demolition  
Demolition specification 02 41 00 3.07 (4) require restoration of landscaped area where disturbed. However, there are no irrigation details, landscape plans or planting schedule in the construction documents.  
**Response** – The restoration of the landscape scope is not part of this project.
9. Reference Specification 02 41 00 Demolition  
02 41 00 3.01 (F) calls for 8'-0" tall temporary fencing, but specification 01 50 00-1 1.06 call for temp fencing to be 6'-0" tall. Please advise.  
**Response** – Temp fencing shall be 6'-0" high.
10. Reference Sheet E0-2  
New 600 ampere 3 phase switchgear is located between RELO 8107 and existing playground. There are no raised pad details, anchoring details, nor fencing or bollard protection shown in drawings. Please advise.  
**Response** – The mounting pad detail is shown as detail "C" on E0-3. this detail is called out on sheet E2-1. Architect to detail Bollards or fencing
11. Reference 31 22 00  
Please provide the geotechnical project and any environmental soil sampling as the project grading involves export of site materials on the order of 400 cubic yards.  
**Response** – See the attached Geotech report.
12. Reference 02 43 00  
No structural plan or details are found for the new foundations per 02 43 00 Part 1.01 C. No information as to new foundation details or anchorage for Interim Housing Structures onto new foundations can be located in the construction documents nor is the concrete strength provided.  
**Response** – See the existing portable plans that show the foundation plans and details.

13. Reference MEPFA Systems  
Can or will the District provide information which states that the existing MEPFA system are per code and in proper working order.  
**Response** – The fire alarm system for the relocated portables is a stand alone system.
14. Reference Sheet 2.01  
What is depth of drywells, size well material and specific condensate piping details from condensing units at all five interim housing units.  
**Response** – See addendum No. 2 for updated drywell detail.
15. Reference Sheet C002  
Please confirm that meeting ADA cross slope, changes in level and wayfinding requirements from new ramp through existing hardscape towards relocated interim housing is not part of scope of work.  
**Response** – ADA path of travel is required for this project. Topographic survey is part of the plans.
16. Reference AS-5  
Retaining walls 1. Please provide lap splice requirements, 2. Please confirm no keyways are required, 3. Please confirm no back or subdrains are required.  
**Response** – 1. Min. 37" LAP Splice. 2. No keyways required. 3. Subdrain required or 2" weephole @8' O.C. is acceptable to assure no water pressure to occur. See updated plans in Addendum No.2.
17. Reference Specification 33 30 00  
Please confirm that there is no remote failsafe alarm (in the admin building or building engineer's office) or connectivity to a central station?  
**Response** – Sewage ejector pump is deleted from scope of work in Addendum No. 2.
18. Reference Sheet C001  
1. On C001 Note R4 states unit A#03-107551 states that this unit is salvaged and returned to the District offsite. No information is provided as to the location.  
2. On C001 there are two units that share the same identifier of A#03-107551. Please advise.  
**Response** – 1. Provide a cost to move the existing portable within 50 miles of the current location. 2. The A# is the DSA and it means that both portables were installed under the same A#.
19. Reference Sheet C001  
During the job walk on April 8, 2021, it was state one of the modular classrooms would be demolished. Demolition drawing C001 does note show demolition of any of the modular structures.  
**Response** – See sheet AS-2 for which portable will not be relocated, shall be moved within 50 miles of its current location.

20. Reference Sheet E01

Performance Note #3 states:

“Provide grounding system per detail 3/E005. Where metal ramps or railways are used provide 1#2 bonding electrode from the raps and railways to the structural steel member of the building”. No such detail can be located in the construction documents. Please advise.

**Response** – Detail provided in the Addendum No. 2 plans.

21. Reference Sheet E02

E0-2 shows (8) 100amp panels, but only 7 structures are relocated per construction documents. Please advise.

**Response** – The larger portable building has (2) two panels in it. Refer to Sheet E2-1 Stie Electrical Plan for feeder routing and panel locations.

22. Reference Sheet AS-1, E2-1, C001

1) New electrical ductbank DRB-2 as shown on E2-1 extends northerly between buildings 4, 5 and 6. Demo drawings C002 do not show site demolition, topographic survey does not show these improvements and architectural plans AS-1 do not show any restoration of site work as a result of the new ductbank.

2) Now details show feeder conduit entering main electrical room. Does ductbank continue underground into room or to outside wall then surface mount?)

3) Are there as-built drawings of utilities along the ductbank route that cross between buildings?

4) There are no plan details of the main electric room showing existing gear Please advise.

**Response** – 1. Trenching is required for new ductbank as per detail C & D on Sheet E0-2. 2. There is no Main Electrical Room. The existing switchgear is on the exterior of the building in an electrical yard. Conduit shall be routed underground and riser up where indicated on the plans. 3. As-built plans are attached. 4. There is no main electrical room. The gear is in an electrical yard on the exterior of the building.

23. Reference Specification 28 31 00

Specification 28 31 00 provides for intrusion detection; however, plans do not show any devices. Please confirm intrusion detection is not within the project scope.

**Response** – The drawings show the conduits and cables being installed from the main building to IDF-IH1 and IDF-IH2. the contractor shall connect to the existing intrusion detection system in these buildings. This will be on forthcoming Addendum #2.

24. Reference Sheet C003

Note 3 on C003 states to construct retaining wall per structural details.

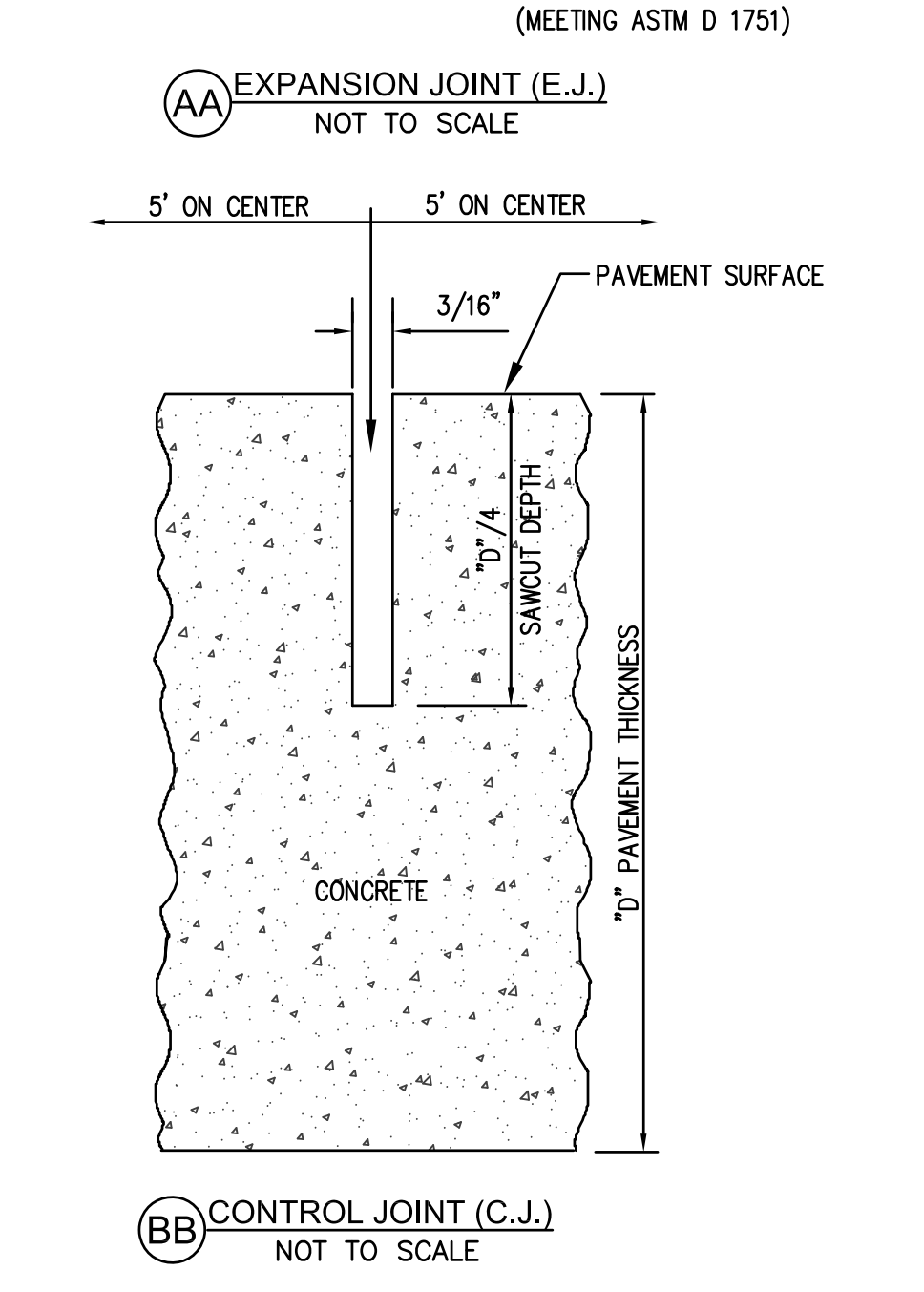
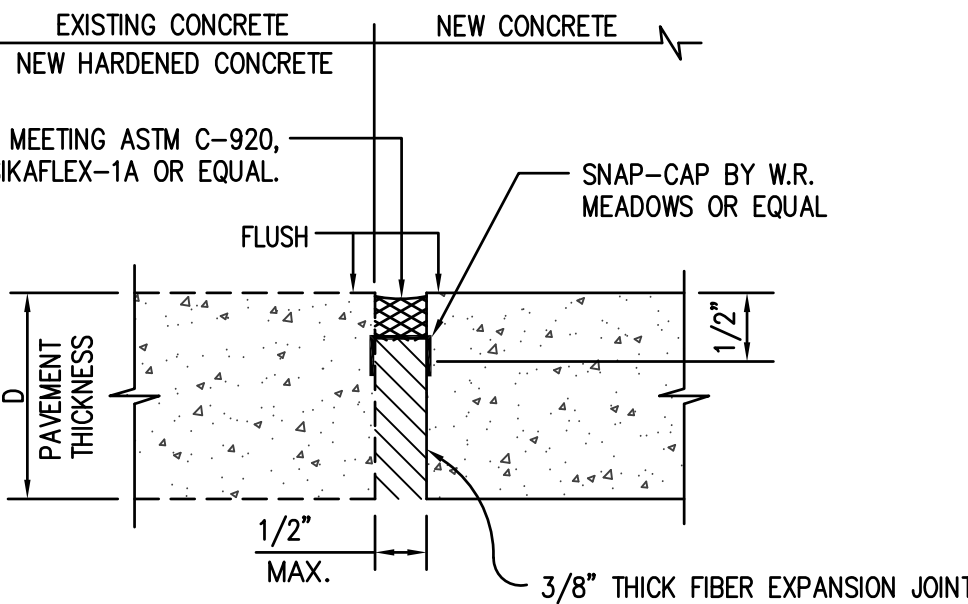
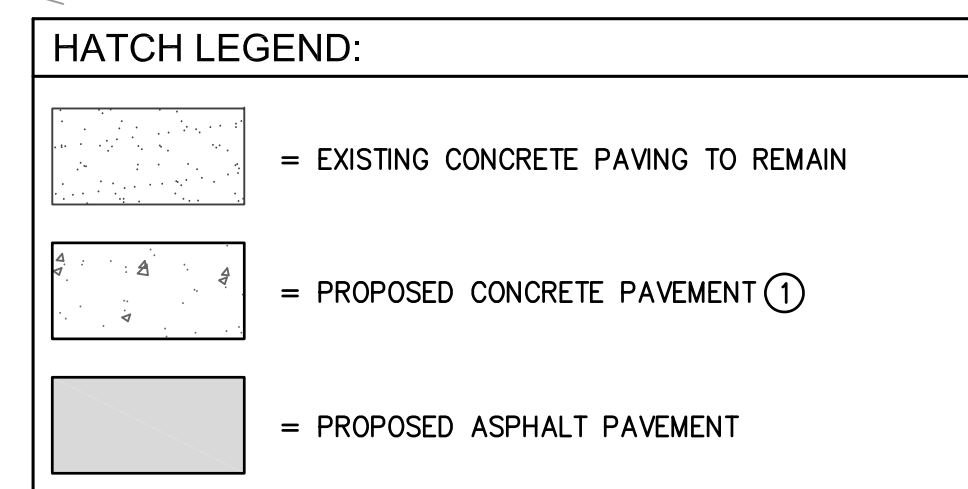
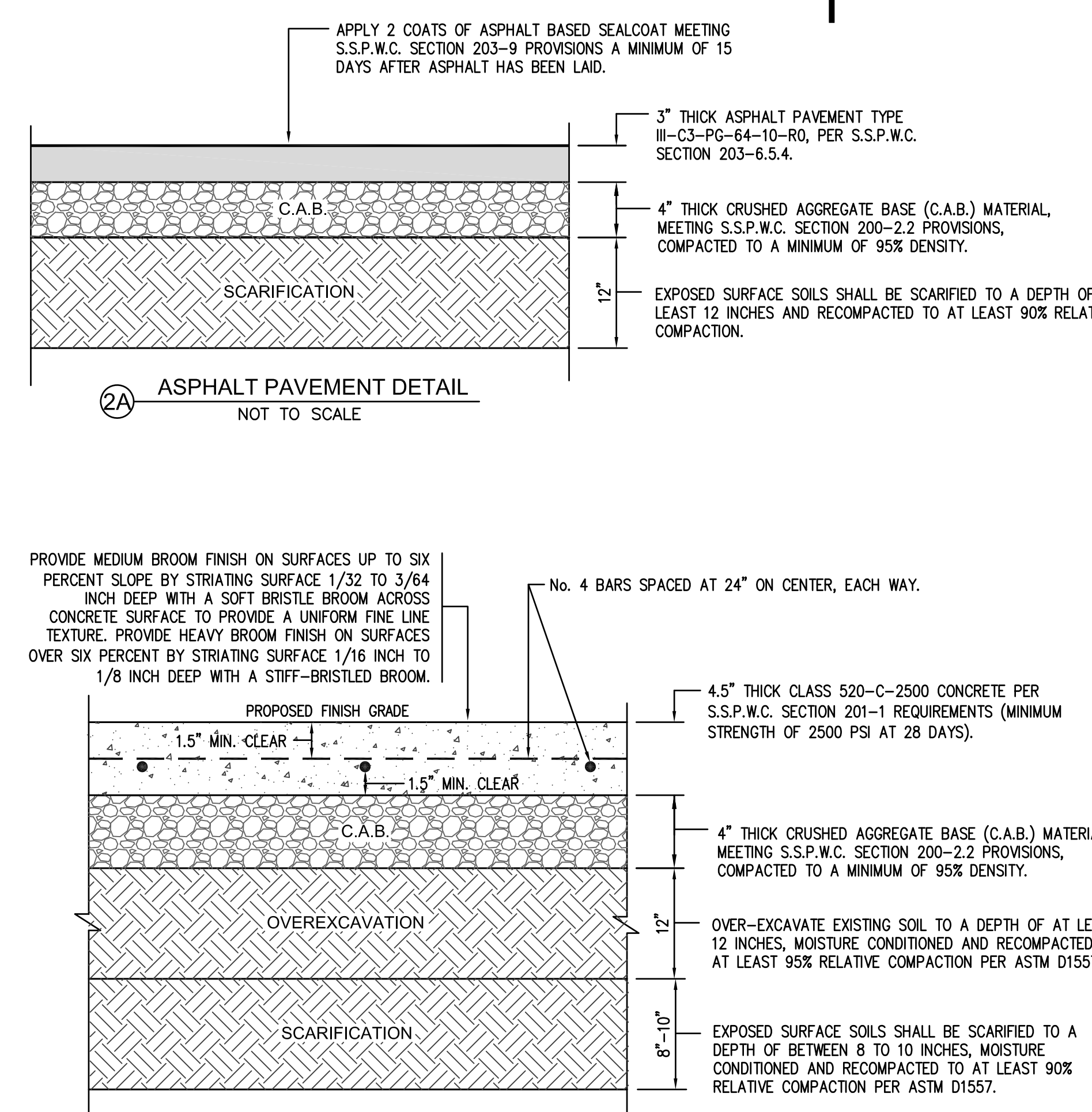
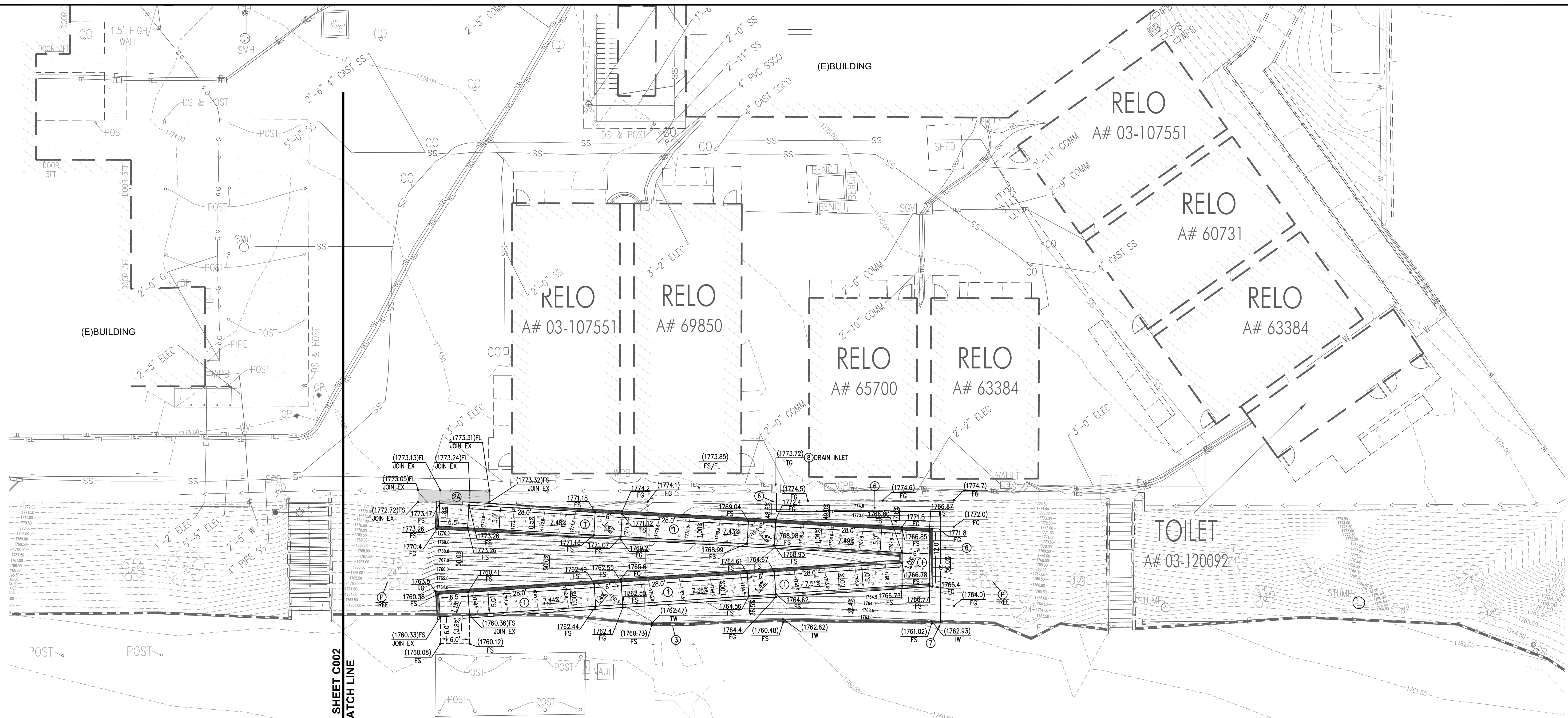
Please provide structural CMU details.

Please confirm scope of CMU is limited to the 9' 8" closure at demolished concrete stairway.

**Response** – Notes and details updated in Addendum No. 2.

25. Reference Sheet AS-1  
A new drinking fountain is proposed, but plumbing spec, plumbing details or fixture is specified.  
**Response** – Drinking fountain details and information is on the DSA approved plans.
26. Reference Sheet AS-3  
For modular units 8103, 8104, 8105, 8106 and 6266-SI ramp widths are 48", please confirm that DSA permits handrail obstructions into clear space of accessible ramps. Please advise.  
**Response** – Plans call for the 48" clearance to be between the rails.
27. Reference Sheet C002  
We do not see the reasoning for adding asphalt concrete over existing under the new relocated buildings as shown in the grading plan on sheet C002. Can this be eliminated so AC paving can follow after structures are relocated? Please advise.  
**Response** – Per the portable manufacture foundation plans (attached) we assumed the minimum distance from finish floor to finish grade of asphalt to be 13 1/8" and maximum distance 26 1/8". The asphalt overlay is designed so that the maximum distance 26 1/8" is not exceeded.
28. Reference Sheet E2-2  
Per the overall site telecom plan E2-2, (4) 2" and (2) 3" conduits will run into the Administration building. Please provide wall and ceiling mounting details. Please confirm that telcom raceways can be run exposed. Please provide report on whether exterior and interior wall surfaces and ceiling surfaces contain lead or asbestos. Please advise.  
**Response** – The conduit support detail for the ceiling space has been added to the drawings in Addendum #2.  
The telecom raceways shall be concealed in the ceiling space.  
The District will take care of any abatement that is required.
29. Reference Sheet E2-1 and E2-2  
A few locations are extremely difficult to trench for electrical and communication conduits. Specifically, the steep hill between the lower and upper campus and the steps by the main electrical room. See the attached map with areas circled in red. We request permission to bore conduits in these locations. Conduits would not be encased in these areas. Please advise.  
**Response** – No exception taken to boring the conduits in the locations indicated, concrete encasement will not be required in the areas that have been bored. Trenching and concrete encasement will still be required in the areas not indicated in this RFI.
30. Reference Solar Canopies  
New solar power underground was likely bored up the slope from hardcourt, between building and under canopy to pull box next to inverter. Without the as-built drawing of this underground, the new duct bank DRB2 may not be a viable pathway due to conflicts. Please provide as built with top of pipe elevations. Please advise.  
**Response** – Attached please find the solar as-builts plans.

Plot Date: 3/18/2021 9:02:40 AM. Last Save By: ron.cone. Login: Sheena Kim. S:\Vado\21571 - Mont Vista ES\Civil\Interim Housing Removal\Monte Vista C003 Grading Plan.dwg

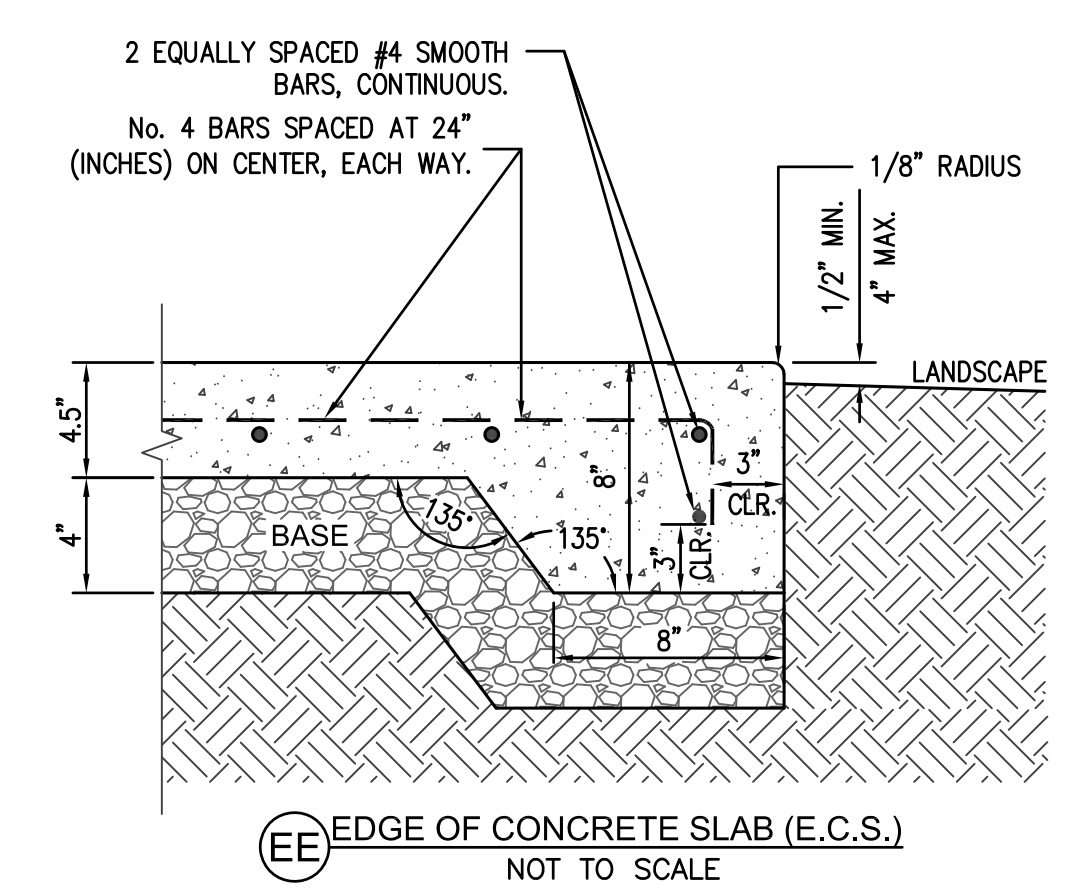
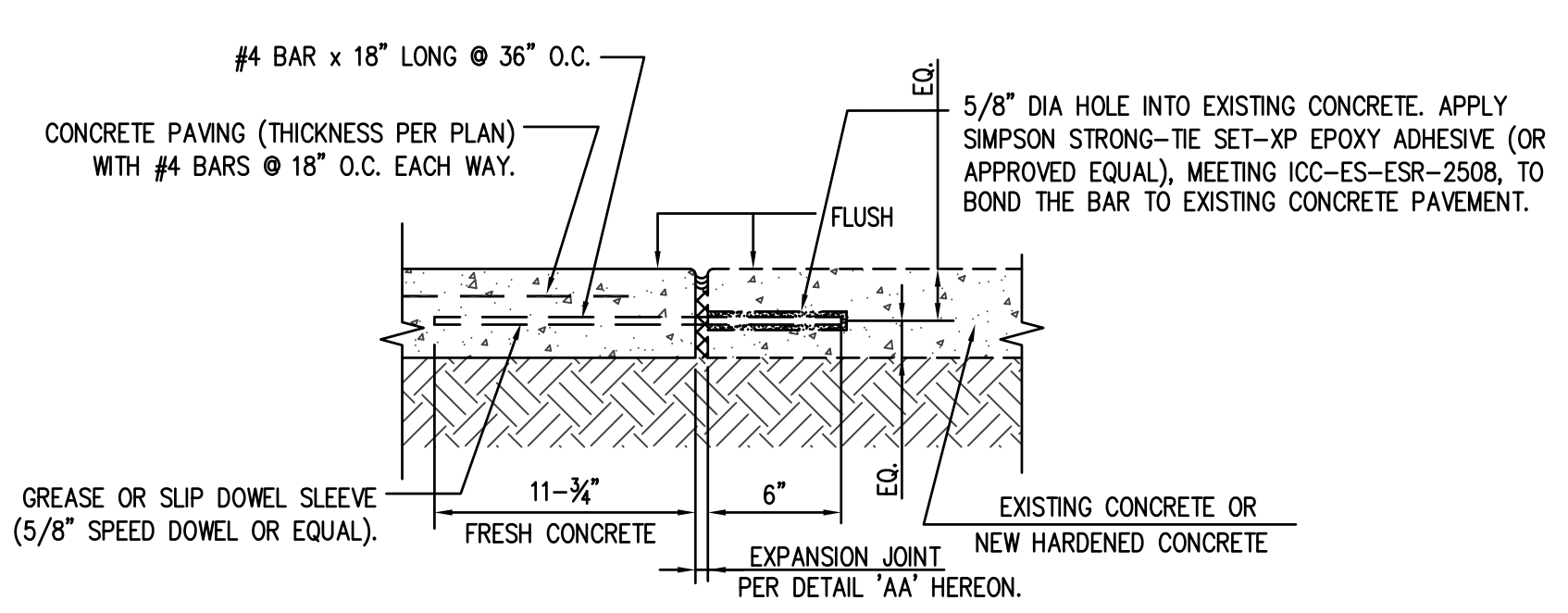


**CONSTRUCTION NOTES:**

- PROTECT EXISTING IMPROVEMENT IN PLACE.
- CONSTRUCT CONCRETE PAVEMENT PER DETAIL 1 HEREON.
- CONSTRUCT ASPHALT PAVEMENT PER DETAIL 2A HEREON.
- CONSTRUCT VARIABLE THICKNESS ASPHALT PAVEMENT OVER EXISTING ASPHALT. APPLY TACK COAT BETWEEN NEW ASPHALT AND EXISTING PER S.S.P.W.C. SECTION 302-5.4.
- CONSTRUCT CMU RETAINING WALL PER DETAIL 20AS-5.
- CONSTRUCT ASPHALT LANDING TRANSITION PER DETAIL 4 ON SHEET C002.
- CONSTRUCT 6\"/>

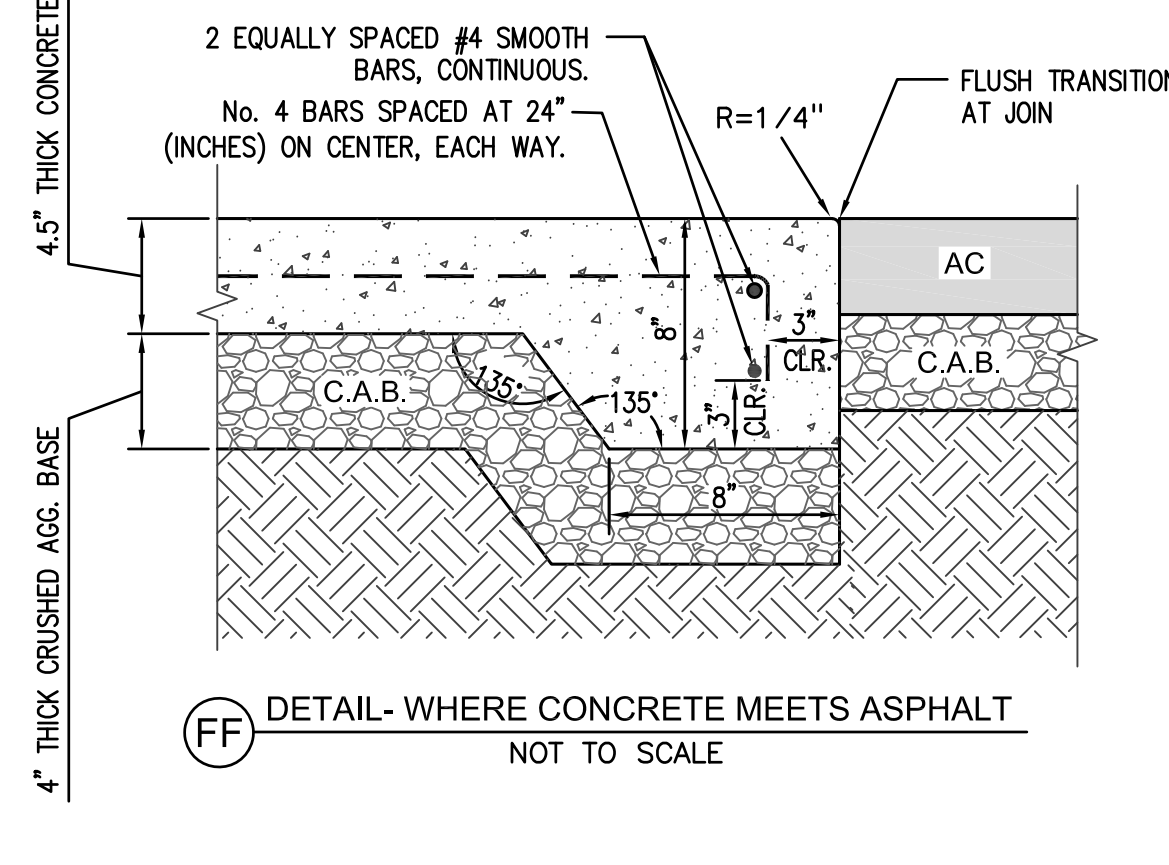
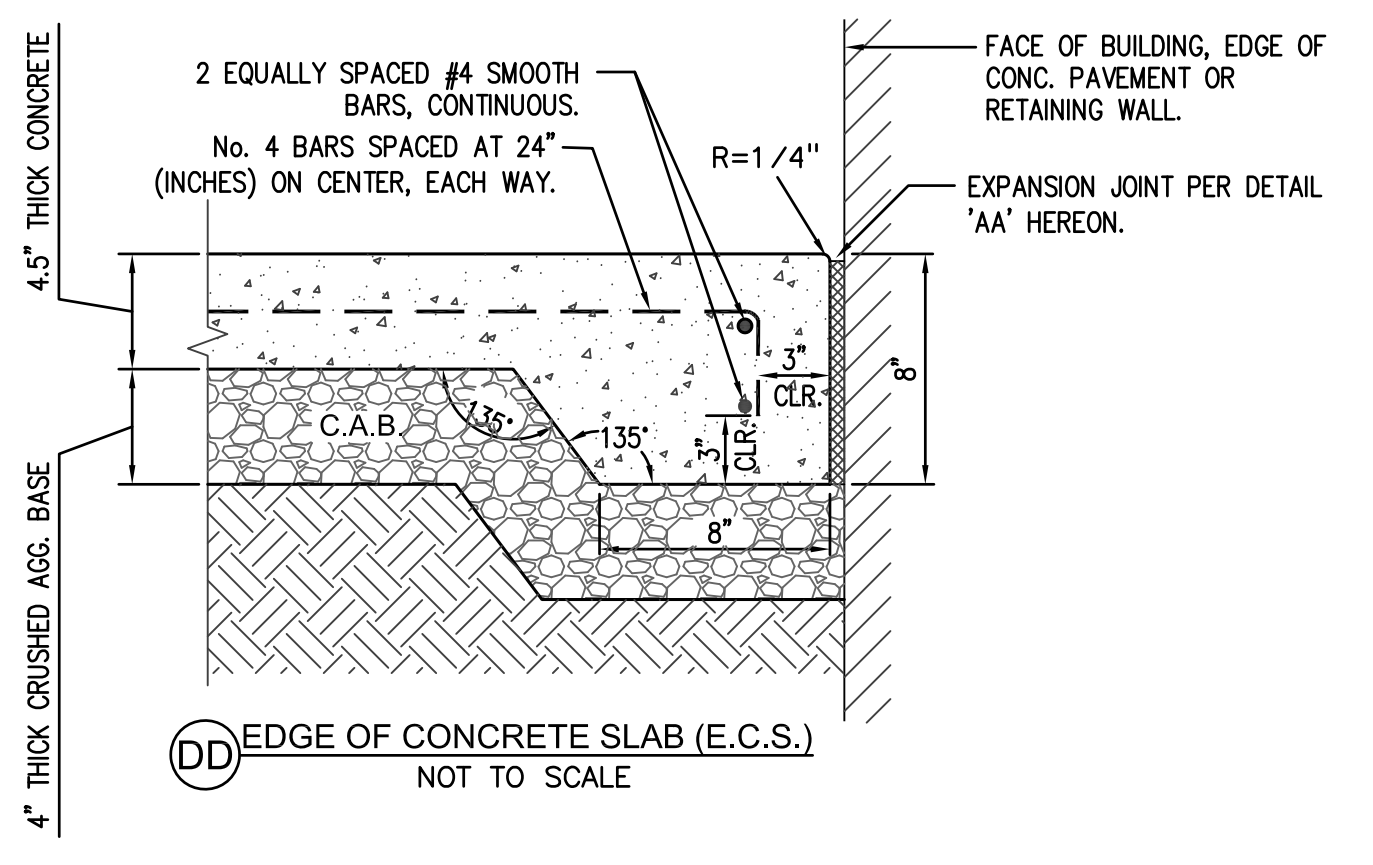
**LINETYPE LEGEND:**

W	W	NEW POTABLE WATER
SS	SS	NEW SANITARY SEWER
SD	SD	NEW STORM DRAIN
W	W	(E)STORM DRAIN
SS	SS	(E)POTABLE WATER
G	G	(E)SANITARY SEWER
E	E	(E)GAS
C	C	(E)ELECTRICAL/POWER
		(E)COMMUNICATIONS



**NOTE:**

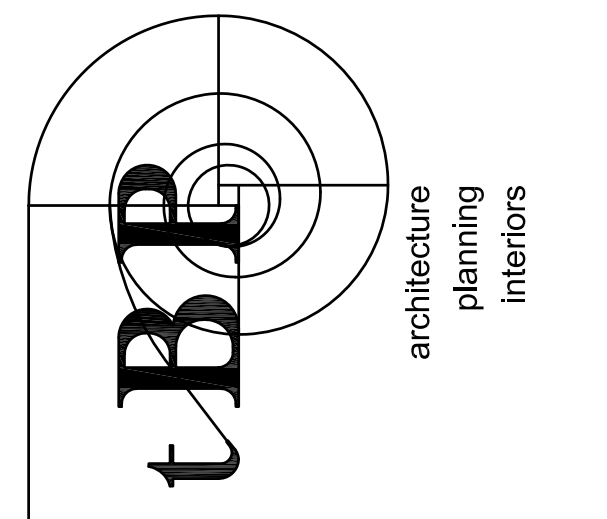
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**NOTE TO CONTRACTOR:**

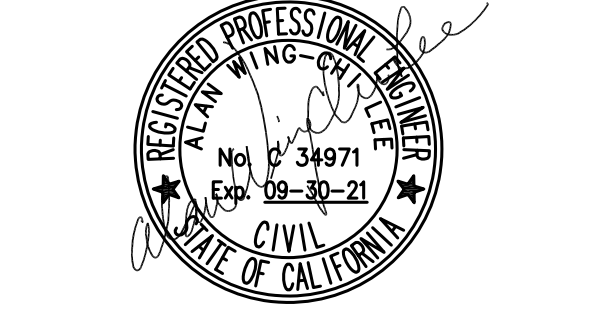
- THE CONTRACTOR SHALL INSTALL EXPANSION AND CONTROL JOINTS IN CONCRETE FLATWORK AT LOCATIONS NOTED ON THE PLANS FOLLOWING DETAILS "AA" THRU "CC" HEREON.
- CONTRACTOR SHALL FOLLOW DETAILS "DD" THRU "FF" HEREON WHEN CONSTRUCTING CONCRETE FLATWORK EDGE TREATMENTS.

AP 03 - DIVISION OF THE STATE ARCHITECT  
355 S. GRAND AVE. SUITE 2100  
LOS ANGELES, CA 90071  
ph: 213.897.3995 fax: 213.897.3159/0726



tBP/Architecture  
4611 Teller Avenue  
Newport Beach, CA 92660  
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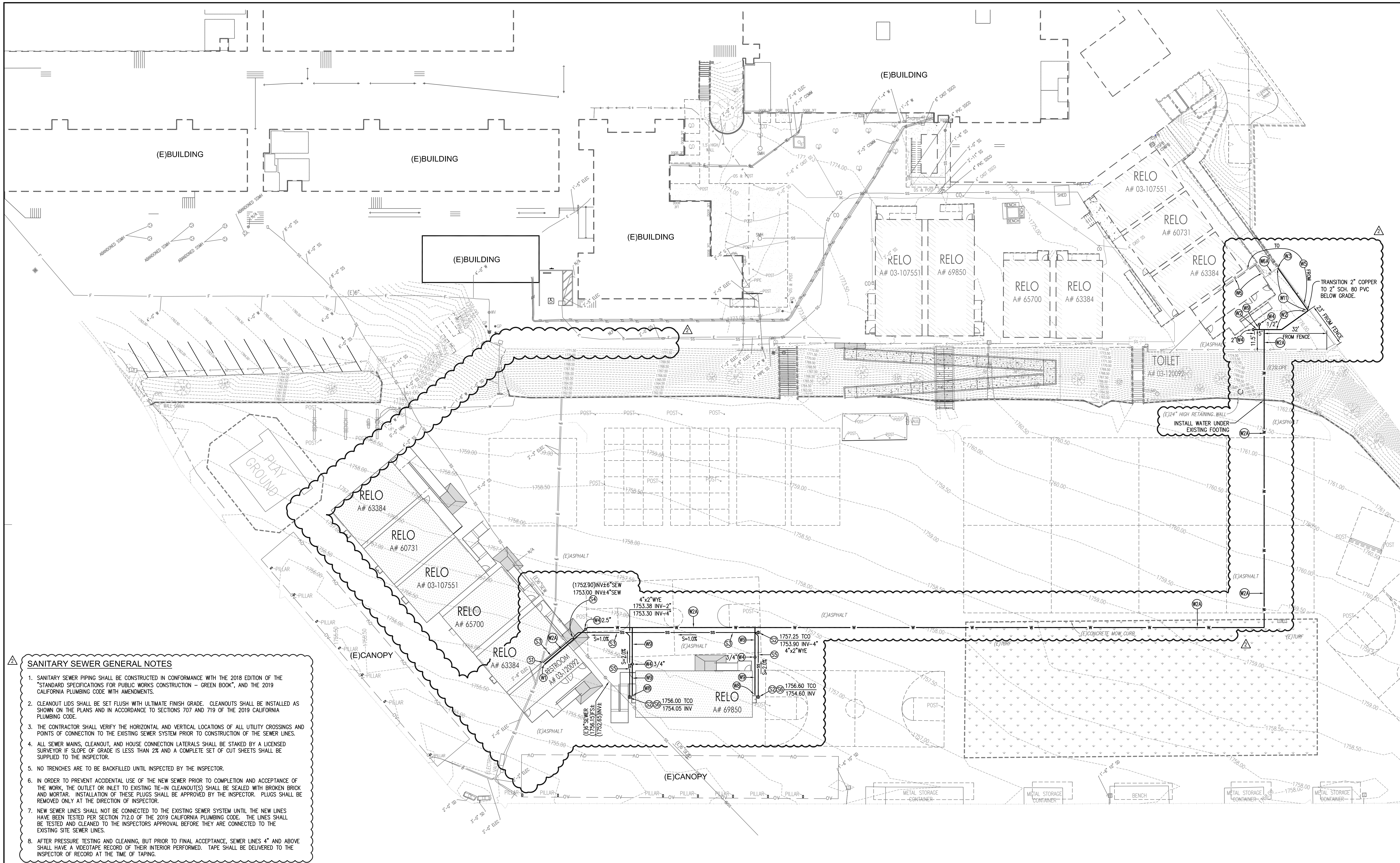
**FPL and Associates, Inc.**  
Traffic • Transportation • Civil  
30 Corporate Park, Suite 401  
Irvine, CA 92606  
Phone: 949-252-1688



**MONTE VISTA ELEMENTARY SCHOOL INTERIM HOUSING**  
GLENDALE UNIFIED SCHOOL DISTRICT  
2620 ORANGE AVENUE  
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

owner  
tBP project number : 21056.00  
file name:  
drawn by: checked by:  
date: MARCH 08, 2021  
Rev: date: description:  
4/22/2021 ADDENDUM #2  
drawing title:  
**GRADING PLAN**  
drawing no.:  
**C003**  
drawing of





**SANITARY SEWER GENERAL NOTES**

- SANITARY SEWER PIPING SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE 2018 EDITION OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - GREEN BOOK", AND THE 2019 CALIFORNIA PLUMBING CODE WITH AMENDMENTS.
- CLEANOUT LIDS SHALL BE SET FLUSH WITH ULTIMATE FINISH GRADE. CLEANOUTS SHALL BE INSTALLED AS SHOWN ON THE PLANS AND IN ACCORDANCE TO SECTIONS 707 AND 719 OF THE 2019 CALIFORNIA PLUMBING CODE.
- THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITY CROSSINGS AND POINTS OF CONNECTION TO THE EXISTING SEWER SYSTEM PRIOR TO CONSTRUCTION OF THE SEWER LINES.
- ALL SEWER MAINS, CLEANOUT, AND HOUSE CONNECTION LATERALS SHALL BE STAKED BY A LICENSED SURVEYOR IF SLOPE OF GRADE IS LESS THAN 2% AND A COMPLETE SET OF CUT SHEETS SHALL BE SUPPLIED TO THE INSPECTOR.
- NO TRENCHES ARE TO BE BACKFILLED UNTIL INSPECTED BY THE INSPECTOR.
- IN ORDER TO PREVENT ACCIDENTAL USE OF THE NEW SEWER PRIOR TO COMPLETION AND ACCEPTANCE OF THE WORK, THE OUTLET OR INLET TO EXISTING TIE-IN CLEANOUT(S) SHALL BE SEALED WITH BROKEN BRICK AND MORTAR. INSTALLATION OF THESE PLUGS SHALL BE APPROVED BY THE INSPECTOR. PLUGS SHALL BE REMOVED ONLY AT THE DIRECTION OF INSPECTOR.
- NEW SEWER LINES SHALL NOT BE CONNECTED TO THE EXISTING SEWER SYSTEM UNTIL THE NEW LINES HAVE BEEN TESTED PER SECTION 712.0 OF THE 2019 CALIFORNIA PLUMBING CODE. THE LINES SHALL BE TESTED AND CLEANED TO THE INSPECTOR'S APPROVAL BEFORE THEY ARE CONNECTED TO THE EXISTING SITE SEWER LINES.
- AFTER PRESSURE TESTING AND CLEANING, BUT PRIOR TO FINAL ACCEPTANCE, SEWER LINES 4" AND ABOVE SHALL HAVE A VIDEOTAPE RECORD OF THEIR INTERIOR PERFORMED. TAPE SHALL BE DELIVERED TO THE INSPECTOR OF RECORD AT THE TIME OF TAPING.

**SANITARY SEWER CONSTRUCTION NOTES:**

- TRANSITION ABOVE GRADE SANITARY WASTE TO CAST IRON, HUBLESS WITH NEOPRENE GASKETS, SERVICE HEIGHT, WITH STAINLESS STEEL BANDED, HUBLESS, COUPLINGS CONFORMING TO CSPI 310. INSTALL SEWER CLEAN-OUT IN STACK ABOVE GRADE. CONNECT TO BUILDING SEWER AT APPROXIMATE LOCATION SHOWN.
- CONSTRUCT SEWER CLEAN-OUT & YARD BOX PER DETAIL S2 ON C005.
- CONSTRUCT 4" PVC SCH. 40 DWV PIPE & FITTINGS PER APPLICABLE TRENCHING DETAIL ON C005.
- CONSTRUCT 6"x4" DOUBLE WYE FITTING TO EXISTING 6" P.V.C. SEWER PIPE PER DETAIL S4 ON C005.
- CONSTRUCT 2" PVC SCH. 40 DWV PIPE & FITTINGS PER APPLICABLE TRENCHING DETAIL ON C005.
- CONSTRUCT 2" SEWER LINE TO DRINKING FOUNTAIN.

**POTABLE WATER CONSTRUCTION NOTES:**

- TRANSITION ABOVE GRADE 2.5" COLD WATER TO COPPER WATER TUBE, TYPE L HARD, MEETING ASTM B88. PIPE FITTINGS TO BE WROUGHT COPPER, SOLDER TYPE PER ANSI B 16.22. CONNECT TO BUILDING WATER AT APPROXIMATE LOCATION SHOWN COMING OUT OF RESTROOM PORTABLE.
- CONSTRUCT 2" SCHEDULE 80 P.V.C. PIPE, FITTINGS AND COUPLINGS PER TRENCHING DETAILS ON C005 BELOW GRADE. INSTALL CONCRETE THRUST BLOCK AT ALL BENDS PER DETAIL 'BB' ON C005.
- CONNECT NEW 2" COPPER PIPE TO EXISTING 2" COPPER ABOVE GRADE.
- CONSTRUCT WATER SHUT OFF VALVE IN YARDBOX PER DETAIL W4 ON C005, SIZE NOTED HEREON.
- REMOVE EXISTING PRESSURE REGULATING VALVE AND REINSTALL AT LOCATION SHOWN HEREON.
- REMOVE AND DISPOSE OF EXISTING ABOVE GRADE COPPER WATER PIPE.
- REMOVE AND DISPOSE OF EXISTING BELOW GRADE COPPER WATER PIPE AND REPAIR ASPHALT TRENCHING.
- PROTECT EXISTING BELOW GRADE COPPER WATER PIPE IN PLACE.
- CONNECT 1/2" WATER LINE TO DRINKING FOUNTAIN.
- CONSTRUCT 1/2" SCHEDULE 80 P.V.C. PIPE, FITTINGS AND COUPLINGS PER TRENCHING DETAILS ON C005.

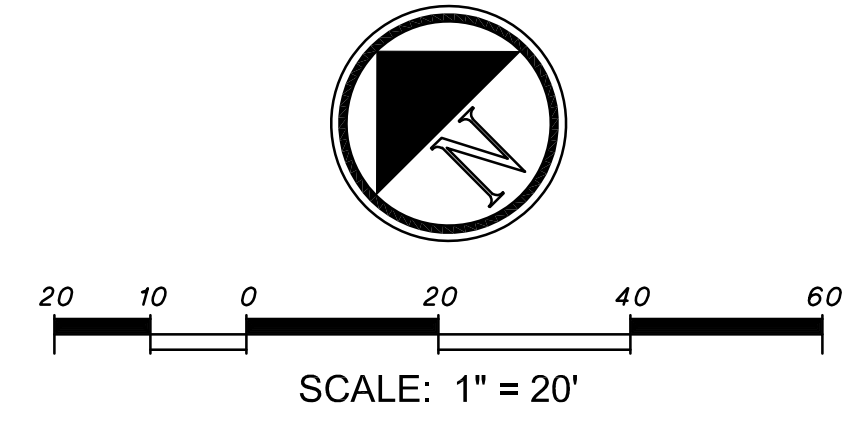
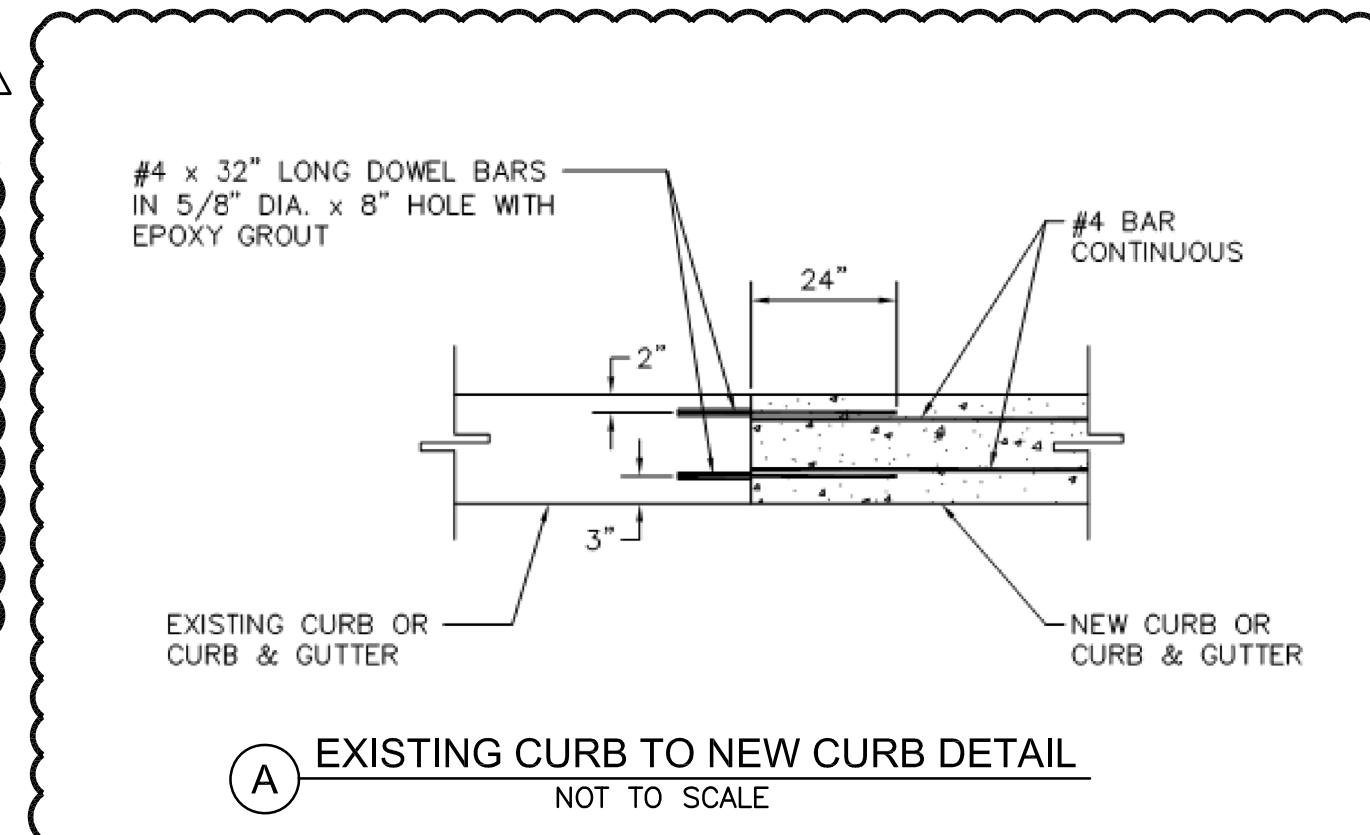
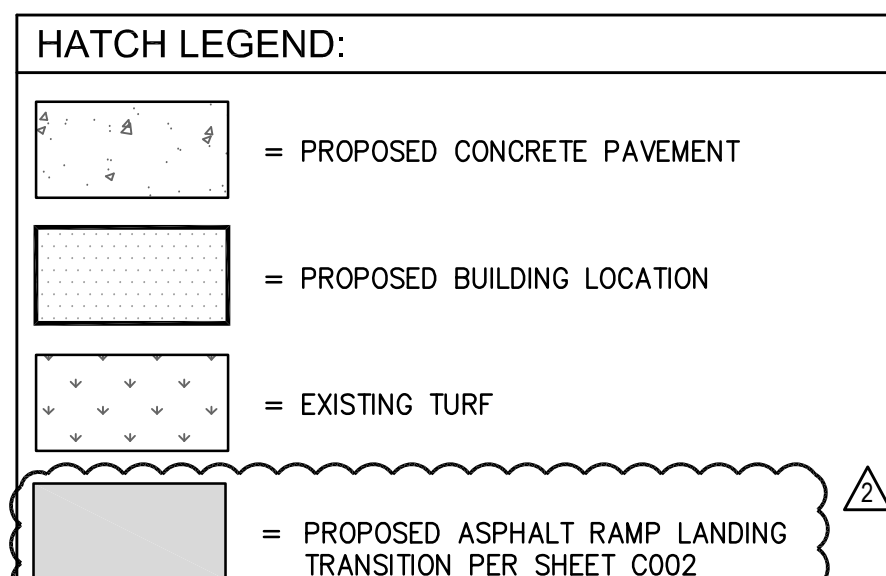
**LINETYPE LEGEND:**

W	W	NEW POTABLE WATER
SS	SS	NEW SANITARY SEWER
SD	SD	NEW STORM DRAIN
W	W	(E)STORM DRAIN
SS	SS	(E)POTABLE WATER
SS	SS	(E)SANITARY SEWER
E	E	(E)GAS
C	C	(E)ELECTRICAL/POWER
		(E)COMMUNICATIONS

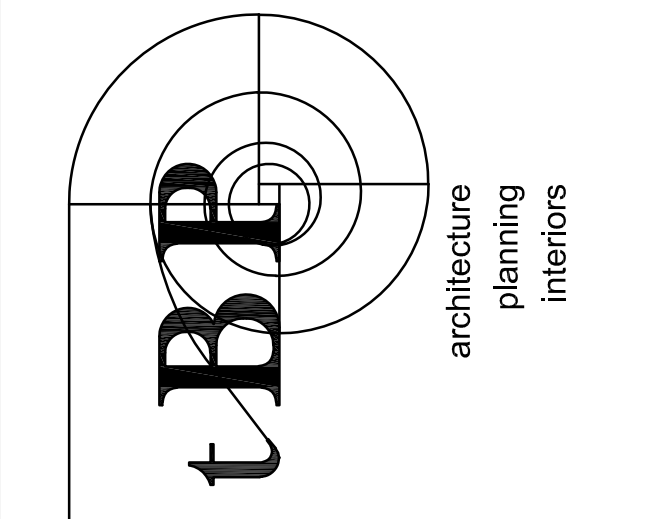
**IRRIGATION NOTE:**

A WORKING IRRIGATION SYSTEM EXISTS ON THIS SITE. TAKE CARE TO NOT DAMAGE EXISTING IRRIGATION SYSTEM. REPAIR IRRIGATION CONTROL WIRES OR OTHER LOW VOLTAGE WIRES IN AREAS THAT ARE DAMAGED BY THE CONTRACTOR. REPAIR AND REPLACE BROKEN LINES AND EQUIPMENT DAMAGED DURING THE COURSE OF CONSTRUCTION. REPAIR MATERIALS SHALL BE AS THE SAME AS EXISTING MATERIAL OR AS REQUIRED BY THE ARCHITECT.

CONTRACTOR SHALL RESTORE ALL AREAS DAMAGED DURING THE COURSE OF THEIR WORK TO MATCH EXISTING. NOTE: ALL EXISTING PLAYGROUND STRIPING, CONCRETE, CURBS, TURF, LANDSCAPE, ETC. DAMAGED DURING THE TRENCHING OPERATION SHALL BE REPLACED TO MATCH EXISTING, WHERE EXISTING MOW CURB IS REMOVED DUE TO TRENCHING, CONNECT BACK TO EXISTING CURB PER DETAIL 'A' HEREON.



AP 03 - DIVISION OF THE STATE ARCHITECT  
355 S. GRAND AVE., SUITE 2100  
LOS ANGELES, CA 90071  
PH: 213.897.3995 FAX: 213.897.3159/0726



tBP/Architecture  
4611 Teller Avenue  
Newport Beach, CA 92660  
PH: 949.673.0300

**FPL and Associates, Inc.**  
Traffic • Transportation • Civil  
30 Corporate Park, Suite 401  
Irvine, CA 92606  
Phone: 949-252-1688

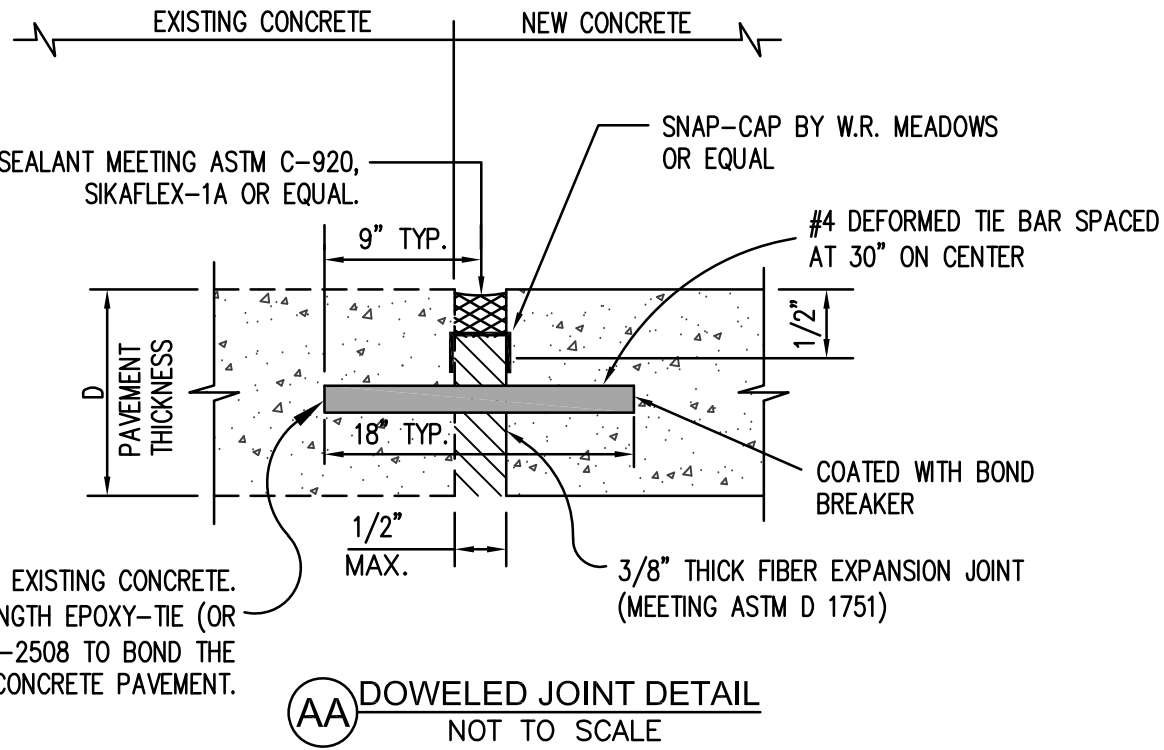
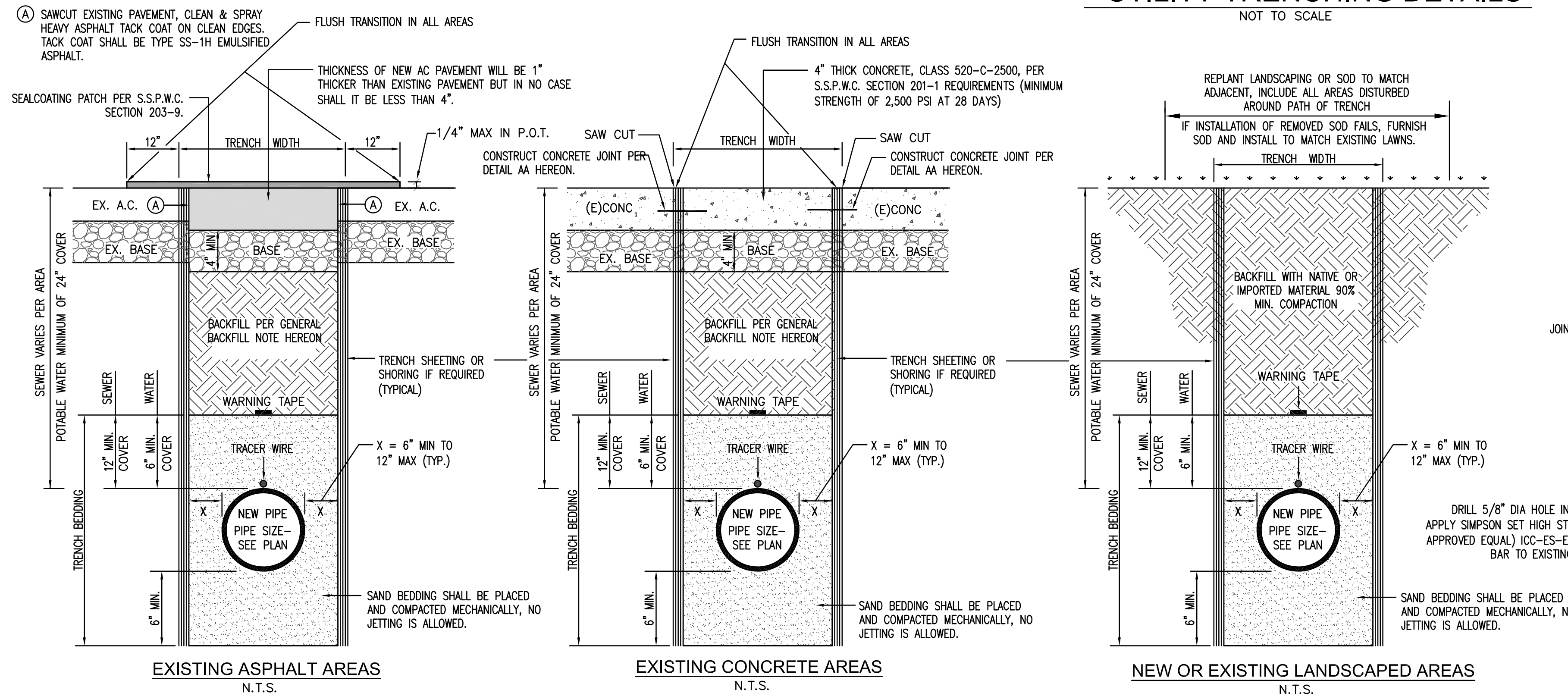


**MONTE VISTA ELEMENTARY SCHOOL INTERIM HOUSING**  
GLENDALE UNIFIED SCHOOL DISTRICT  
2620 ORANGE AVENUE  
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

owner  
tBP project number : 210560  
file name:  
drawn by: checked by:  
date: MARCH 08, 2021  
Rev: date: description:  
4/22/2021 ADDENDUM #2  
drawing title:  
**UTILITY PLAN**  
drawing no.:  
**C004**  
drawing of

### UTILITY TRENCHING DETAILS

NOT TO SCALE



### TRENCH EXCAVATION, BEDDING, & BACKFILL NOTES:

EXCAVATION NOTE: THE 2019 CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (CAL/OSHA) WILL REQUIRE A PERMIT FOR THE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE (5) FEET OR DEEPER AND INTO WHICH A PERSON IS REQUIRED TO DESCEND. FOR PERMIT PURPOSES, "DESCEND" MEANS TO ENTER ANY PART OF THE TRENCH OR EXCAVATION ONCE THE EXCAVATION HAS ATTAINED A DEPTH OF 5 FEET OR MORE. FOR REGULATIONS RELATING TO PERMITS FOR EXCAVATIONS AND TRENCHES, REFER TO THE CALIFORNIA CODE OF REGULATIONS TITLE 8, CHAPTER 3.2, ARTICLE 2, SECTION 341 OF THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (CAL/OSHA)

THE CONTRACTOR SHALL SUBMIT A DETAIL SHOWING THE DESIGN OR SHORING, BRACING, SLOPING OR OTHER PROVISIONS TO BE MADE FOR WORKER PROTECTION FROM THE HAZARDS OF CAVING GROUND DURING THE EXCAVATION. THE PLAN SUBMITTED SHALL BE SIGNED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER CERTIFIED THAT THE PLAN COMPLIES WITH ALL OSHA CONSTRUCTION SAFETY ORDERS.

BEDDING MATERIAL SHALL BE COARSE SAND WITH SAND EQUIVALENT OF 30 OR GREATER, NO ANGULAR STONES OR PEA GRAVELS WILL BE ALLOWED IN PIPE BEDDING.

COMPACTION METHODS: ALL BEDDING & BACKFILL COMPACTION SHALL BE BY HAND-OPERATED, PLATE-TYPE, VIBRATORY, OR OTHER SUITABLE HAND-TAMPERS IN AREAS NOT ACCESSIBLE TO LARGER ROLLERS OR COMPACTORS. EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO CONDUITS, PIPES, AND ANY APPURTENANCES. WATER DENSIFICATION BY INUNDATION OR JETTING SHALL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM CIVIL ENGINEER.

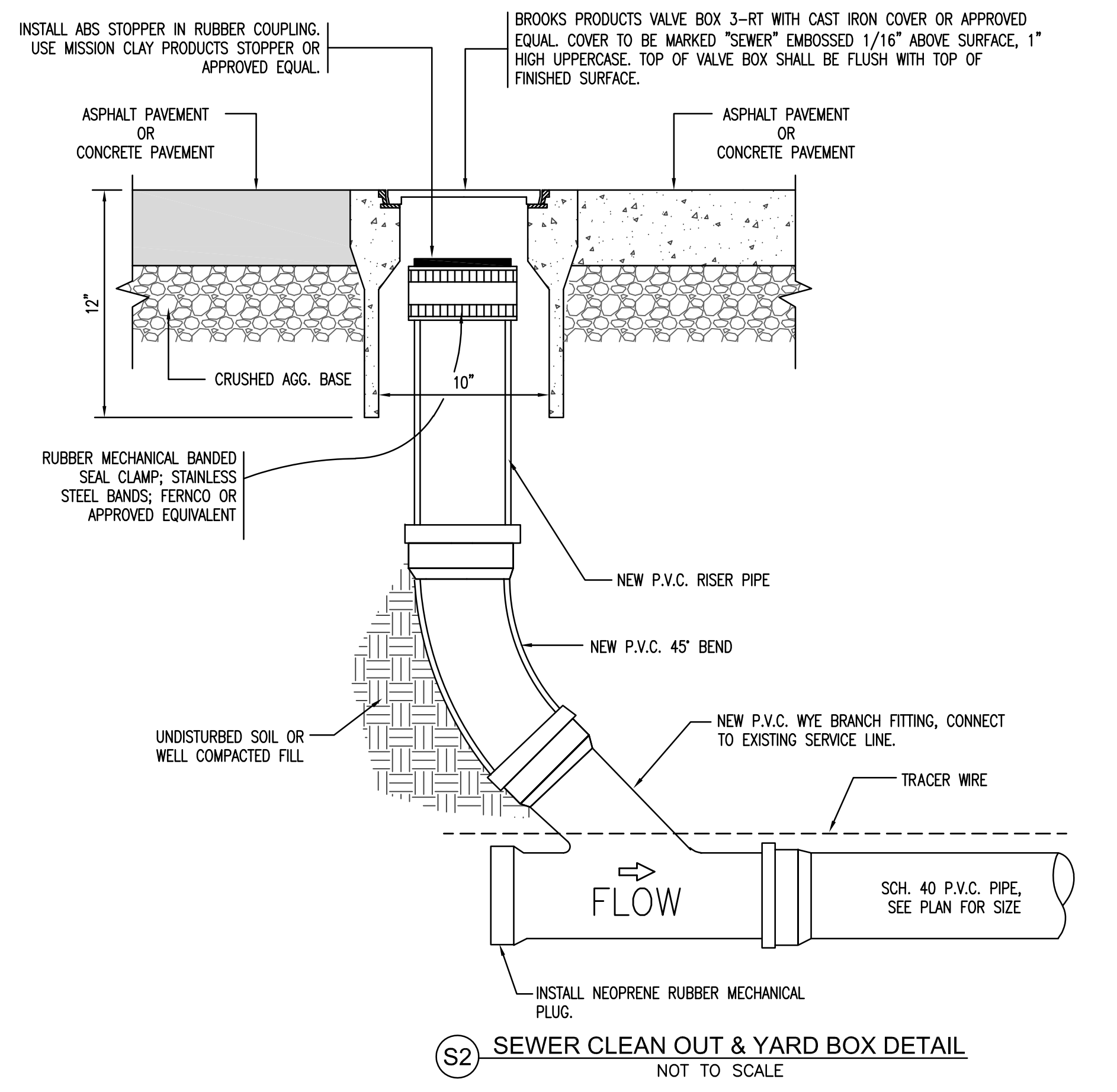
SHIELDING: WHEN EXCAVATION DEPTHS OR SOIL CONDITIONS REQUIRE SHORING OR USE OF A TRENCH BOX, THE BOTTOM OF THE SHORING OR TRENCH BOX SHOULD BE PLACED NO LOWER THAN THE TOP OF THE PIPE. THIS PREVENTS DISRUPTION OF THE BACKFILL ENVELOPE WHEN REMOVING THE SHORING OR TRENCH BOX. IF THIS PRACTICE CANNOT BE FOLLOWED, CONSIDERATION SHOULD BE GIVEN TO LEAVING THE SHORING IN PLACE.

GENERAL BACKFILL NOTES:  
EXCAVATED TRENCH MATERIAL TO BE INSTALLED FOR BACKFILLING SHALL BE CLEAN, FREE OF LARGE CLODS AND STONES LARGER THAN 2.5-INCHES IN ANY DIMENSION. INSTALL BACKFILL MATERIALS IN LAYERS NOT TO EXCEED 4-INCHES IN THICKNESS AND COMPACT TO A MINIMUM 90% OF THE MAXIMUM DENSITY. IN LIEU OF USING NATIVE MATERIAL IN PAVED AREAS, THE USE OF A SLURRY BACKFILL MAY BE SUBSTITUTED. SAND SLURRY SHALL CONSIST OF 1 SACK PORTLAND CEMENT (CLASS 100-E-100) PER CUBIC YARD OF SAND SLURRY MIX. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL OF ANY EXCESS BACKFILL MATERIAL FROM THE SITE.

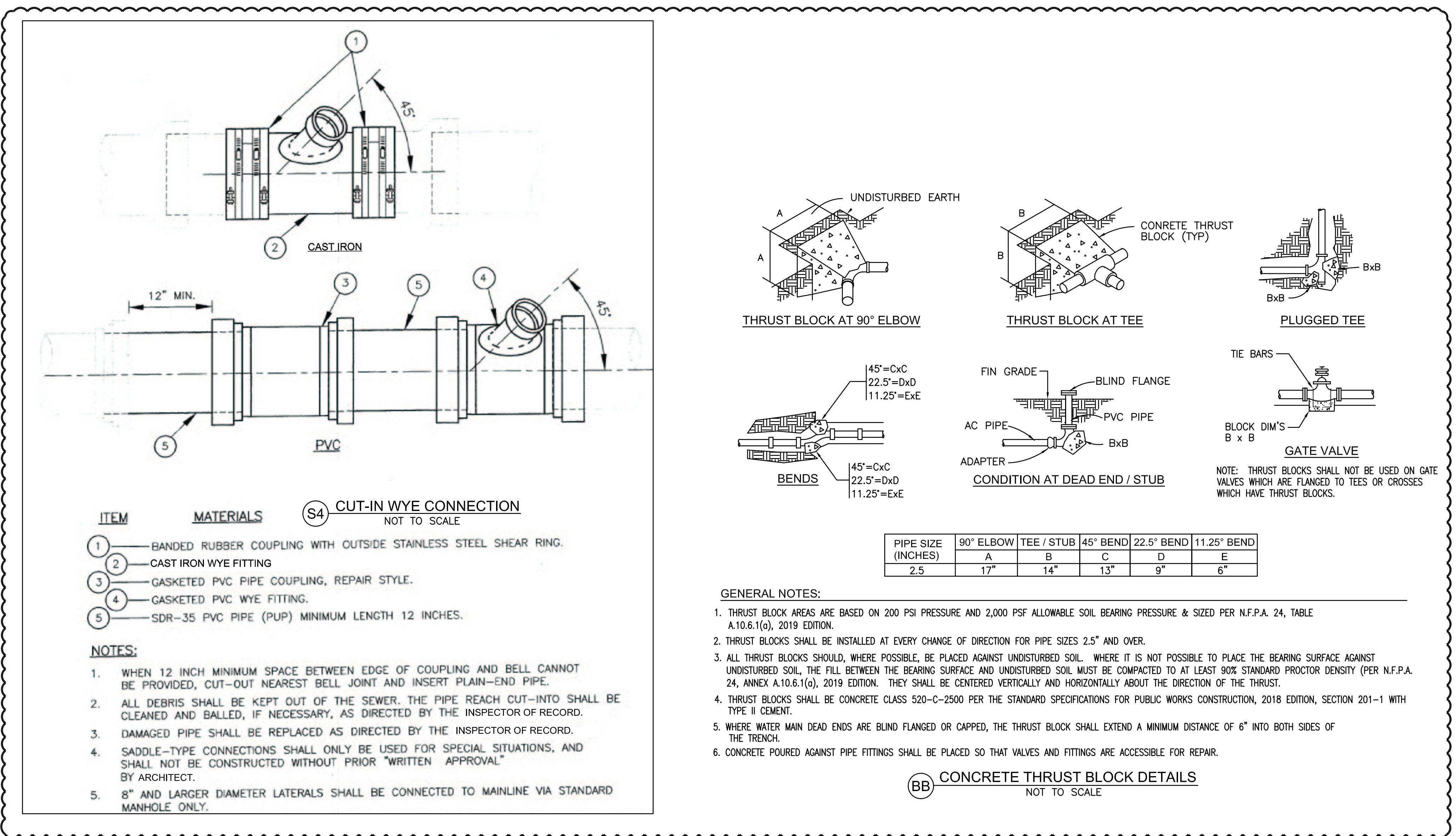
WARNING TAPE NOTES (ON-SITE WATER):  
A METALLIC LINED TAPE FOR UNDERGROUND PIPES, MARKED "CAUTION BURIED WATER LINE BELOW", IN POLYETHYLENE FILM COLOR BLUE, INSTALLED ABOVE PIPE, 6" WIDE.

WARNING TAPE NOTES (SANITARY SEWER):  
A METALLIC LINED TAPE FOR UNDERGROUND PIPES, MARKED "CAUTION BURIED SEWER LINE BELOW", IN POLYETHYLENE FILM COLOR GREEN, INSTALLED ABOVE PIPE, 6" WIDE.

TRACER WIRE NOTES:  
COPPER TRACER WIRE SHALL BE INSTALLED ON ALL NON-METALLIC PIPELINES, 2" AND GREATER, JUST ABOVE THE HORIZONTAL CENTERLINE OF THE PIPE. THE COPPER WIRE SHALL BE TYPE THIN #12 AWG GAUGE FOR SEWER & STORM DRAINS. ALL TRACER WIRE SHALL HAVE HEAT AND MOISTURE RESISTANT INSULATION.

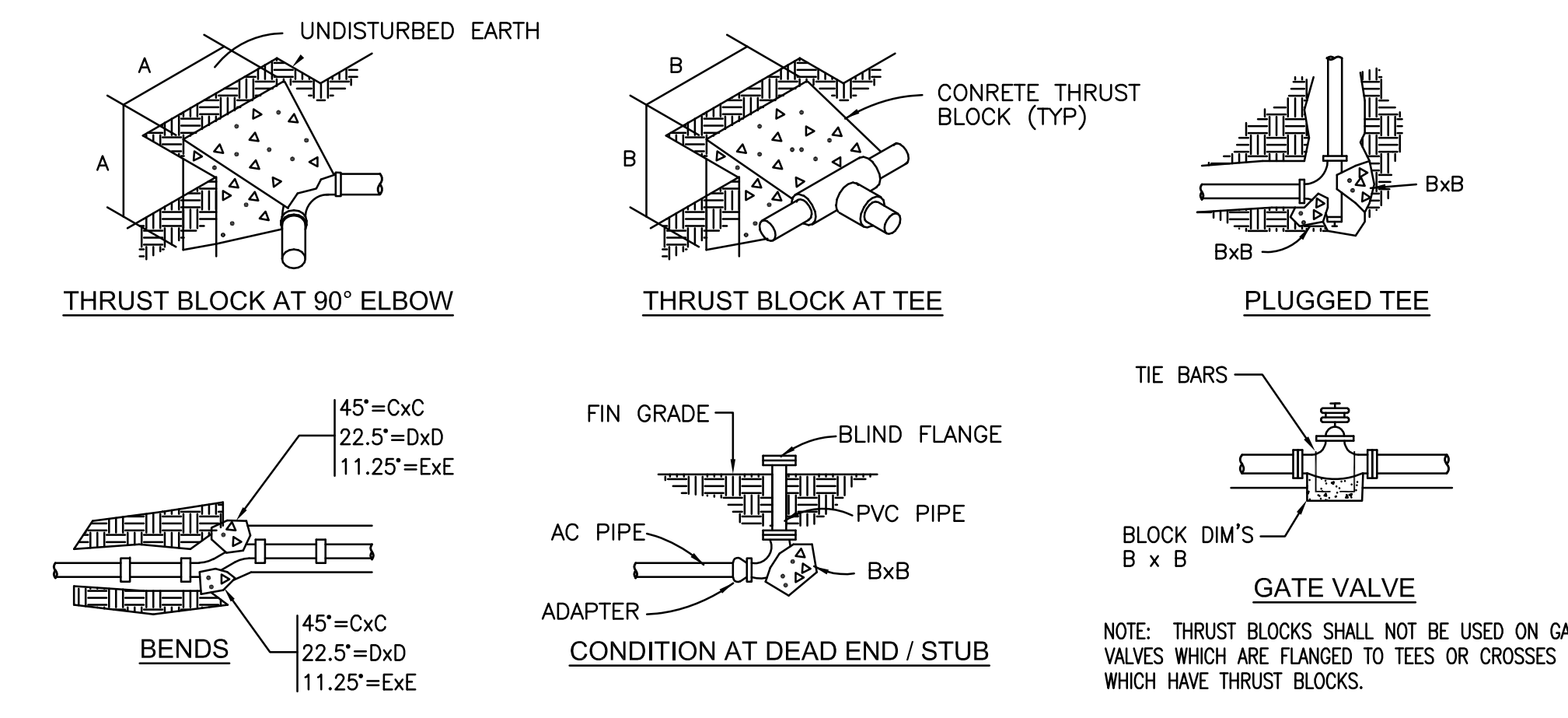


S2 SEWER CLEAN OUT & YARD BOX DETAIL  
NOT TO SCALE



ITEM	MATERIALS
1	BANDED RUBBER COUPLING WITH OUTSIDE STAINLESS STEEL SHEAR RING.
2	CAST IRON WYE FITTING
3	GASKETED PVC PIPE COUPLING, REPAIR STYLE.
4	GASKETED PVC WYE FITTING.
5	SDR-35 PVC PIPE (PUP) MINIMUM LENGTH 12 INCHES.

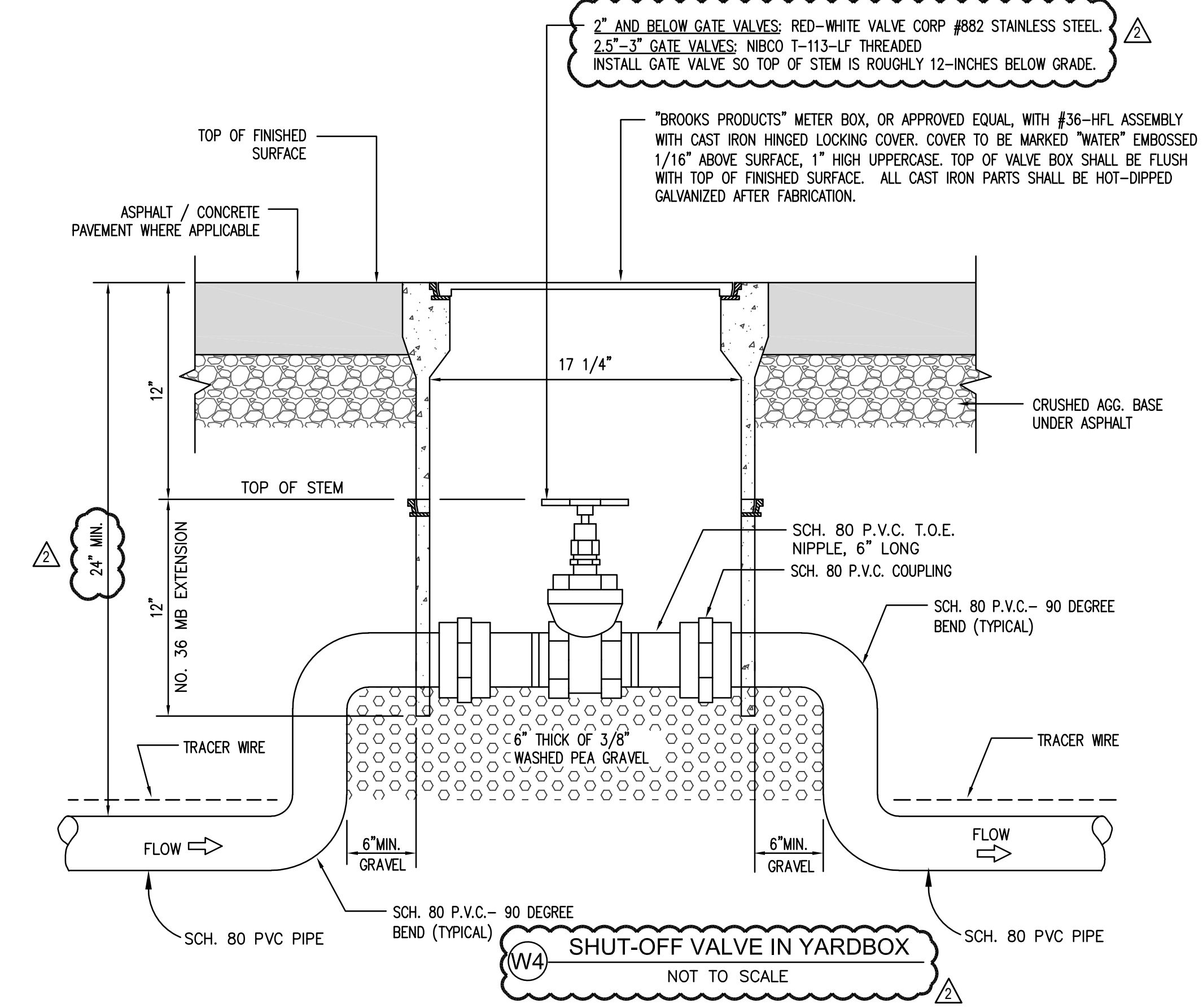
- NOTES:
- WHEN 12 INCH MINIMUM SPACE BETWEEN EDGE OF COUPLING AND BELL CANNOT BE PROVIDED, CUT-OUT NEAREST BELL JOINT AND INSERT PLAIN-END PIPE.
  - ALL DEBRIS SHALL BE KEPT OUT OF THE SEWER. THE PIPE REACH CUT-INTO SHALL BE CLEANED AND BALLED, IF NECESSARY, AS DIRECTED BY THE INSPECTOR OF RECORD.
  - DAMAGED PIPE SHALL BE REPLACED AS DIRECTED BY THE INSPECTOR OF RECORD.
  - SADDLE-TYPE CONNECTIONS SHALL ONLY BE USED FOR SPECIAL SITUATIONS, AND SHALL NOT BE CONSTRUCTED WITHOUT PRIOR "WRITTEN APPROVAL" BY ARCHITECT.
  - 8" AND LARGER DIAMETER LATERALS SHALL BE CONNECTED TO MAINLINE VIA STANDARD MANHOLE ONLY.



PIPE SIZE (INCHES)	90° ELBOW		TEE / STUB		45° BEND		22.5° BEND		11.25° BEND	
	A	B	C	D	E	F	G	H	I	J
2.5	17"	14"	13"	9"	6"					

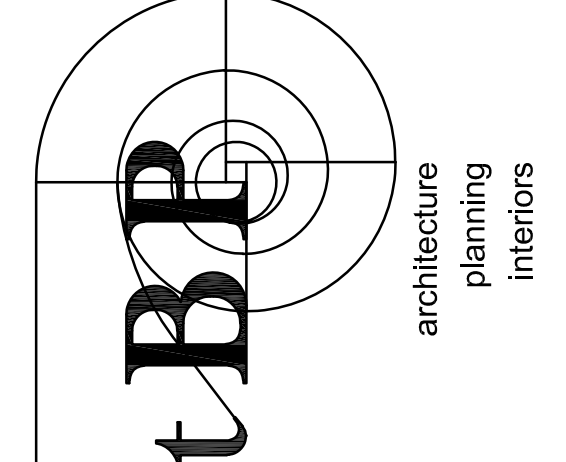
- GENERAL NOTES:
- THRUST BLOCK AREAS ARE BASED ON 200 PSI PRESSURE AND 2,000 PSF ALLOWABLE SOIL BEARING PRESSURE & SIZED PER N.F.P.A. 24, TABLE A.10.6.1(a), 2019 EDITION.
  - THRUST BLOCKS SHALL BE INSTALLED AT EVERY CHANGE OF DIRECTION FOR PIPE SIZES 2.5" AND OVER.
  - ALL THRUST BLOCKS SHOULD, WHERE POSSIBLE, BE PLACED AGAINST UNDISTURBED SOIL. WHERE IT IS NOT POSSIBLE TO PLACE THE BEARING SURFACE AGAINST UNDISTURBED SOIL, THE FILL BETWEEN THE BEARING SURFACE AND UNDISTURBED SOIL MUST BE COMPACTED TO AT LEAST 90% STANDARD PROCTOR DENSITY (PER N.F.P.A. 24, ANNEX A.10.6.1(a), 2019 EDITION). THEY SHALL BE CENTERED VERTICALLY AND HORIZONTALLY ABOUT THE DIRECTION OF THE THRUST.
  - THRUST BLOCKS SHALL BE CONCRETE CLASS 520-C-2500 PER THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2018 EDITION, SECTION 201-1 WITH TYPE II CEMENT.
  - WHERE WATER MAIN DEAD ENDS ARE BLIND FLANGED OR CAPPED, THE THRUST BLOCK SHALL EXTEND A MINIMUM DISTANCE OF 6" INTO BOTH SIDES OF THE TRENCH.
  - CONCRETE POURED AGAINST PIPE FITTINGS SHALL BE PLACED SO THAT VALVES AND FITTINGS ARE ACCESSIBLE FOR REPAIR.

BB CONCRETE THRUST BLOCK DETAILS  
NOT TO SCALE



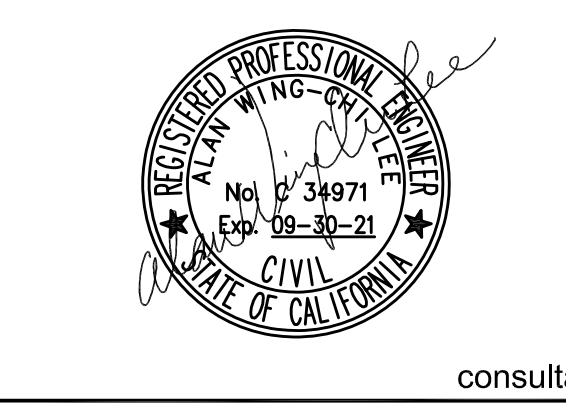
W4 SHUT-OFF VALVE IN YARDBOX  
NOT TO SCALE

AP 03 -  
DIVISION OF THE STATE ARCHITECT  
355 S. GRAND AVE., SUITE 9100  
LOS ANGELES, CA 90071  
ph: 213.897.3995 fax: 213.897.3159/0726



agency  
architecture  
planning  
interiors  
tBP/Architecture  
4611 Teller Avenue  
Newport Beach, CA 92660  
ph: 949.673.0300

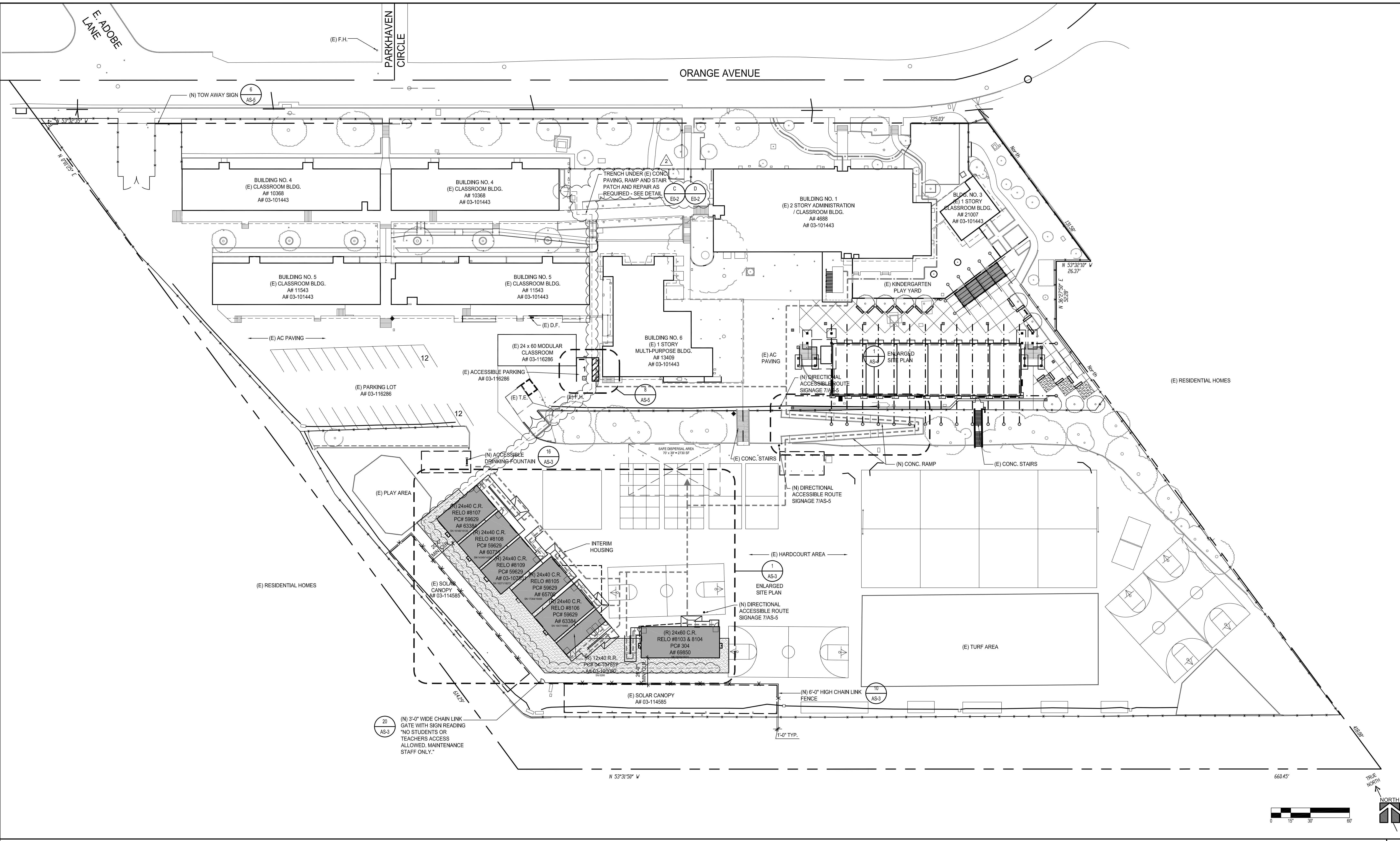
FPL and Associates, Inc.  
Traffic • Transportation • Civil  
30 Corporate Park, Suite 401  
Irvine, CA 92606  
Phone: 949-252-1688



owner  
MONTE VISTA ELEMENTARY SCHOOL  
INTERIM HOUSING  
GLENDALE UNIFIED SCHOOL DISTRICT  
2620 ORANGE AVENUE  
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

tBP project number : 21056.00  
file name:  
drawn by: checked by:  
date: MARCH 08, 2021  
Rev: date: description:  
4/22/2021 ADDENDUM #2

drawing title:  
DETAIL SHEET  
drawing no.:  
C005  
drawing of



OVERALL SITE PLAN SCALE: 1"=30'-0" 1

2019 CBC FLOOD DESIGN
FLOOD ZONE DESIGNATION - ZONE X
THE FLOOD INSURANCE RATE MAP - 08037C1375F (FIRM) PANEL DESIGNATION
EFFECTIVE DATE OF THE FIRM - 09/26/2008
BASE FLOOD ELEVATION (BFE) - N/A

APP. NO.	CERT. STATUS	DATE	PROJECT SCOPE
4688	FULL CERTIFIED	08/24/1948	CONSTRUCTION OF ADMINISTRATION & CLASSROOM BUILDING
10368	FULL CERTIFIED	04/14/1954	CONSTRUCTION OF CLASSROOM BUILDING
11543	FULL CERTIFIED	01/04/1955	CONSTRUCTION OF ADDITIONAL CLASSROOM BUILDING
13409	FULL CERTIFIED	03/07/1958	CONSTRUCTION OF MULTIPURPOSE BUILDING
21007	FULL CERTIFIED	05/28/1962	CONSTRUCTION OF KINDERGARTEN BUILDING
60731	#1 CERTIFICATION	07/09/1997	CONSTRUCTION OF CLASSROOM BUILDING (RELOCATABLE)
63384	#1 CERTIFICATION	12/31/1998	CONSTRUCTION OF CLASSROOM BUILDING (RELOCATABLE)
65700	#1 CERTIFICATION	06/22/1999	CONSTRUCTION OF CLASSROOM BUILDING (RELOCATABLE)
69850	#1 CERTIFICATION	12/22/1998	ALTERATION TO HVAC AND MODERNIZATION
03-101443	#2 CERTIFICATION	07/25/2003	CONSTRUCTION OF ELEVATOR BLDG. (RELOCATABLE) (12040) FROM STOCKPILE
03-107551	#1 CERTIFICATION	04/01/2008	CONSTRUCTION OF ELEVATOR BLDG. (RELOCATABLE) (12040) FROM STOCKPILE
03-114585	#3 CERTIFICATION	03/04/2013	CONSTRUCTION OF 2400VOLTAGE SUPPORT STRUCTURES
03-116286	#1 CERTIFICATION	06/07/2016	RELOCATION OF 1-CLASSROOM BUILDING (RELOCATABLE) (12040) FROM STOCKPILE
03-120092	#1 CERTIFICATION	03/16/2020	RELOCATION OF 1-CLASSROOM BUILDING (RELOCATABLE) (12040) FROM STOCKPILE

PARKING TABULATION	
(E) PARKING LOT # 03-116286	1
VAN ACCESSIBLE STALL # 03-116286	24
STANDARD PARKING STALL	25
<b>TOTAL PARKING STALLS</b>	<b>25</b>

- ### GENERAL NOTES
- VERIFY ALL EXISTING & FINISH GRADES, DIMENSIONS & SITE CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.
  - ALL GRADING WORK SHALL CONFORM TO APPLICABLE PROVISIONS OF THE UNIFORM BUILDING CODE, TITLE 24, AND LOCAL CODES AND ORDINANCES. IN THE EVENT OF CONFLICTING PROVISIONS, ALWAYS CONFORM TO THE MORE STRINGENT REQUIREMENTS.
  - DETERMINE NECESSARY SUBGRADE ELEVATIONS AND CONSTRUCT SMOOTH TRANSITIONS BETWEEN FINISHED GRADES. FINISHED GRADE ELEVATIONS ADJACENT TO BUILDING PERIMETERS TO BE 6" BELOW FINISHED FLOOR ELEVATIONS, U.N.O.
  - ALL CONCRETE PAVING TO BE MEDIUM BROOM FINISH UNLESS NOTED OTHERWISE.
  - SITE IMPROVEMENTS IN THE ACCESSIBLE PATH OF TRAVEL SHALL PROVIDE A BARRIER-FREE ACCESS WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/4" OR 1/2" WHEN BEVELED 1:2. WALKWAYS SHALL HAVE A MAXIMUM SLOPE OF 1:21. MAXIMUM CROSS-SLOPE IS 2% TYPICAL. THE CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
  - ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLETES WITH CBC 11B-206.
  - LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING TO AVOID INTERCEPTING EXISTING PIPING OR CONDUITS. THE ARCHITECT IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
  - GRATING LOCATED IN THE SURFACES OF ANY PEDESTRIAN WAY IN THE P.O.T. SHALL HAVE GRID OPENINGS IN GRATING LIMITED TO 1/2" MAXIMUM CLEAR IN THE DIRECTION OF TRAVEL FLOW.
  - GATES WITHIN ACCESSIBLE ROUTE OF TRAVEL MUST COMPLY WITH ALL APPLICABLE DOOR REQUIREMENTS 11B-404.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE P.O.T. 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 NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS 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 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 NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

SITE IMPROVEMENTS IN THE ACCESSIBLE PATH OF TRAVEL SHALL PROVIDE A BARRIER-FREE ACCESSIBLE ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 7/8" BEVELED AT SLOPE NOT STEEPER THAN 1:2, EXCEPT THAT LEVEL CHANGES ARE 2" MAXIMUM VERTICAL AND AT LEAST 48" WIDE. SURFACE SHALL BE STABLE, FIRM, AND SLIP RESISTANT. CROSS SLOPE SHALL NOT BE STEEPER THAN 1:48 AND RUNNING SLOPE SHALL NOT BE STEEPER THAN 1:20 UNLESS OTHERWISE INDICATED. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL SURFACE BETWEEN 27" AND 80" ABOVE FINISH FLOOR AND GROUND. PROVIDE FLUSH TRANSITIONS AT ANY ADJOINING JOINTS BETWEEN NEW AND EXISTING (E) WALK SURFACES IN P.O.T.

### LEGEND

(E) F.H.	EXISTING FIRE HYDRANT
---	PROPERTY LINE
---	(E) ACCESSIBLE PATH OF TRAVEL (AF 03-116286 & AF 03-107551)
---	ACCESSIBLE PATH OF TRAVEL
(R)	RELOCATE
(N)	NEW
(E)	EXISTING
[Pattern]	(N) ASPHALT PAVING, SEE CIVIL DRAWINGS

tBP project number : 21056.00

file name: \_\_\_\_\_

drawn by: \_\_\_\_\_ checked by: \_\_\_\_\_

date: MARCH 10, 2021

Rev. date: \_\_\_\_\_ description: \_\_\_\_\_

4/22/2021 ADDENDUM 2

drawing title: **OVERALL SITE PLAN**

drawing no.: **AS-1** drawing of

AR 03-121306  
DIVISION OF THE STATE ARCHITECT  
355 S. GRAND AVE. SUITE 2100  
LOS ANGELES, CA 90071  
ph: 213.897.3995 fx: 213.897.3150/0726 agency

**tBP**  
architecture  
planning  
interiors

ARCHITECT OF RECORD  
LICENSED ARCHITECT P. YINSHI  
4811 Teller Avenue  
Newport Beach, CA 92660  
ph: 949.673.0300

architect

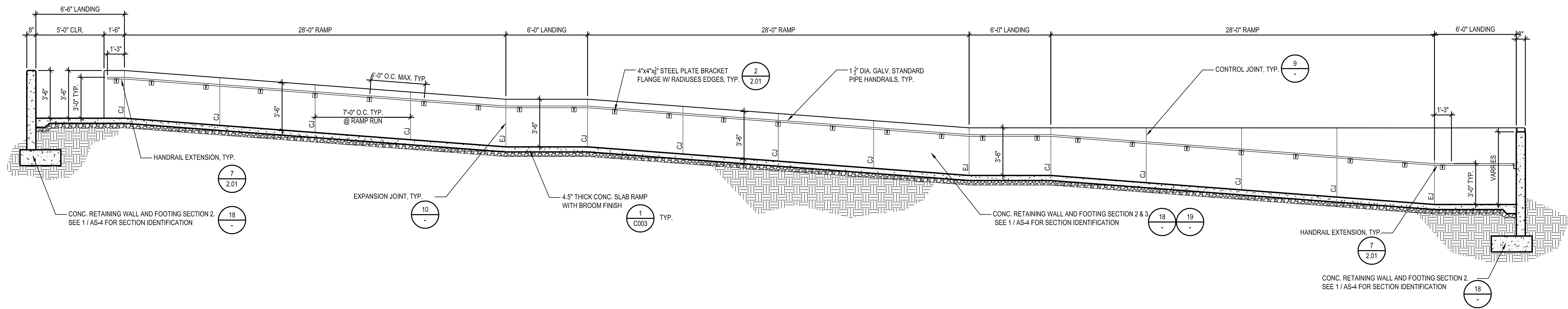
consultant

owner

owner

**MONTE VISTA ELEMENTARY SCHOOL  
INTERIM HOUSING**

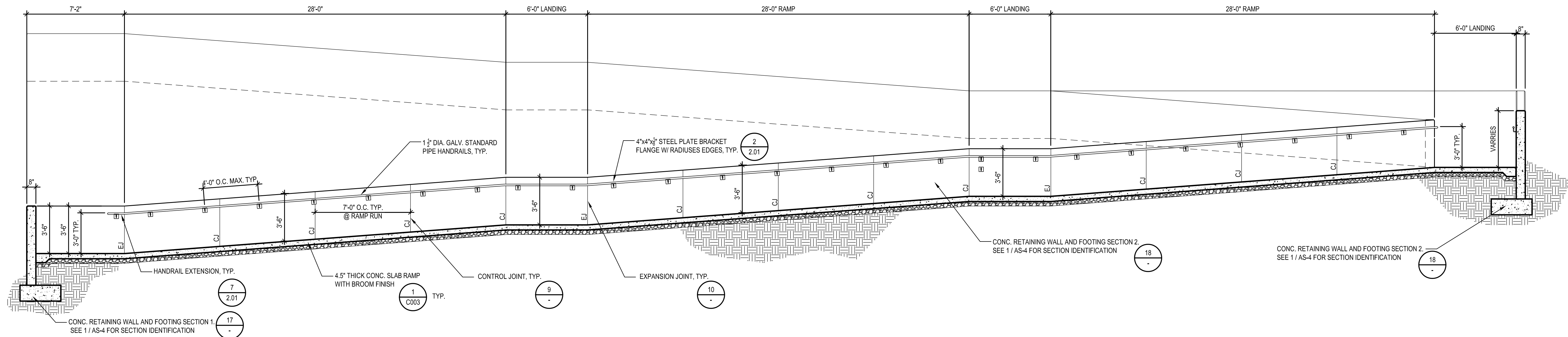
GLENDALE UNIFIED SCHOOL DISTRICT  
2620 ORANGE AVENUE  
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214



RAMP LONGITUDINAL SECTION

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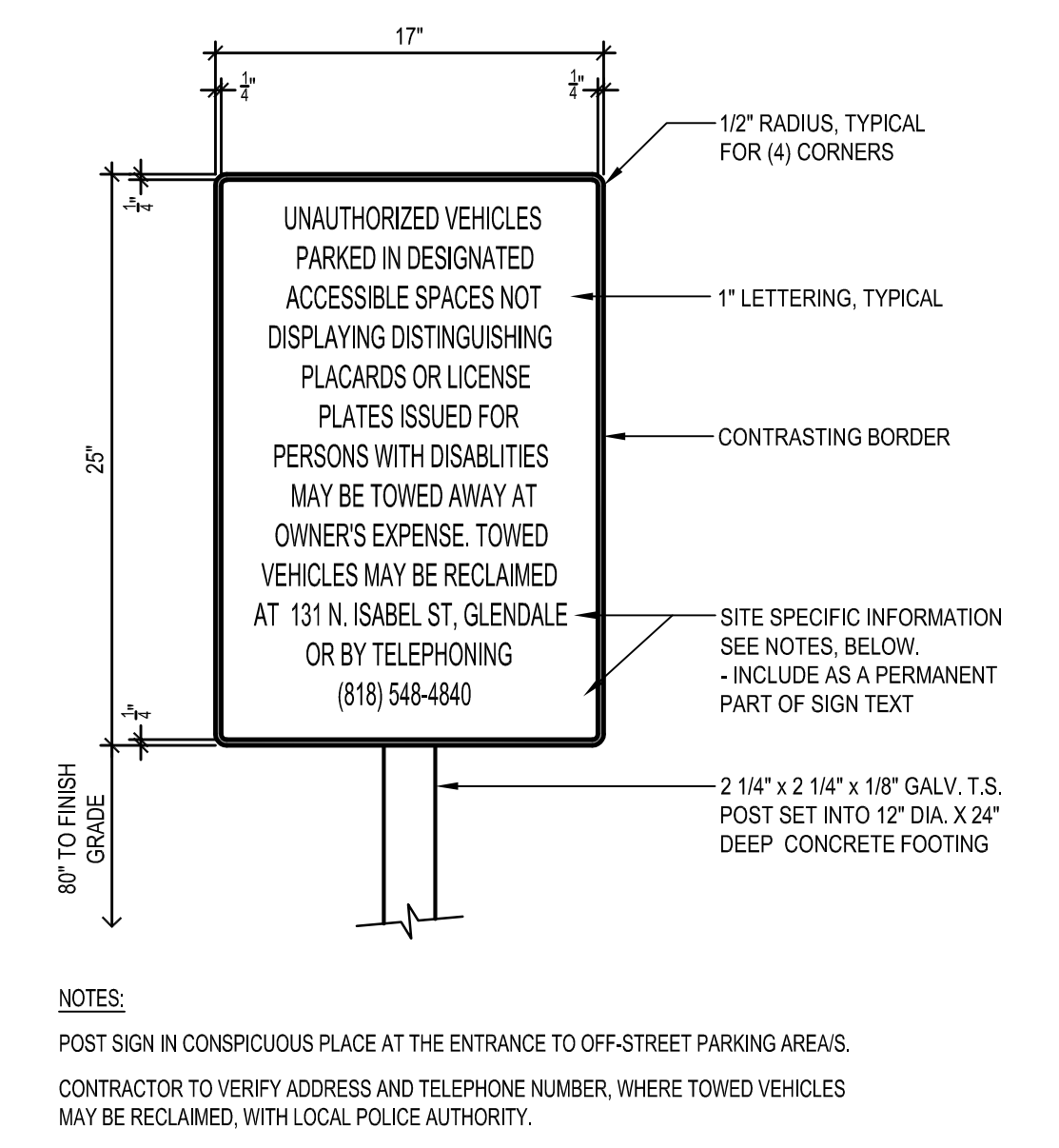
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RAMP LONGITUDINAL SECTION

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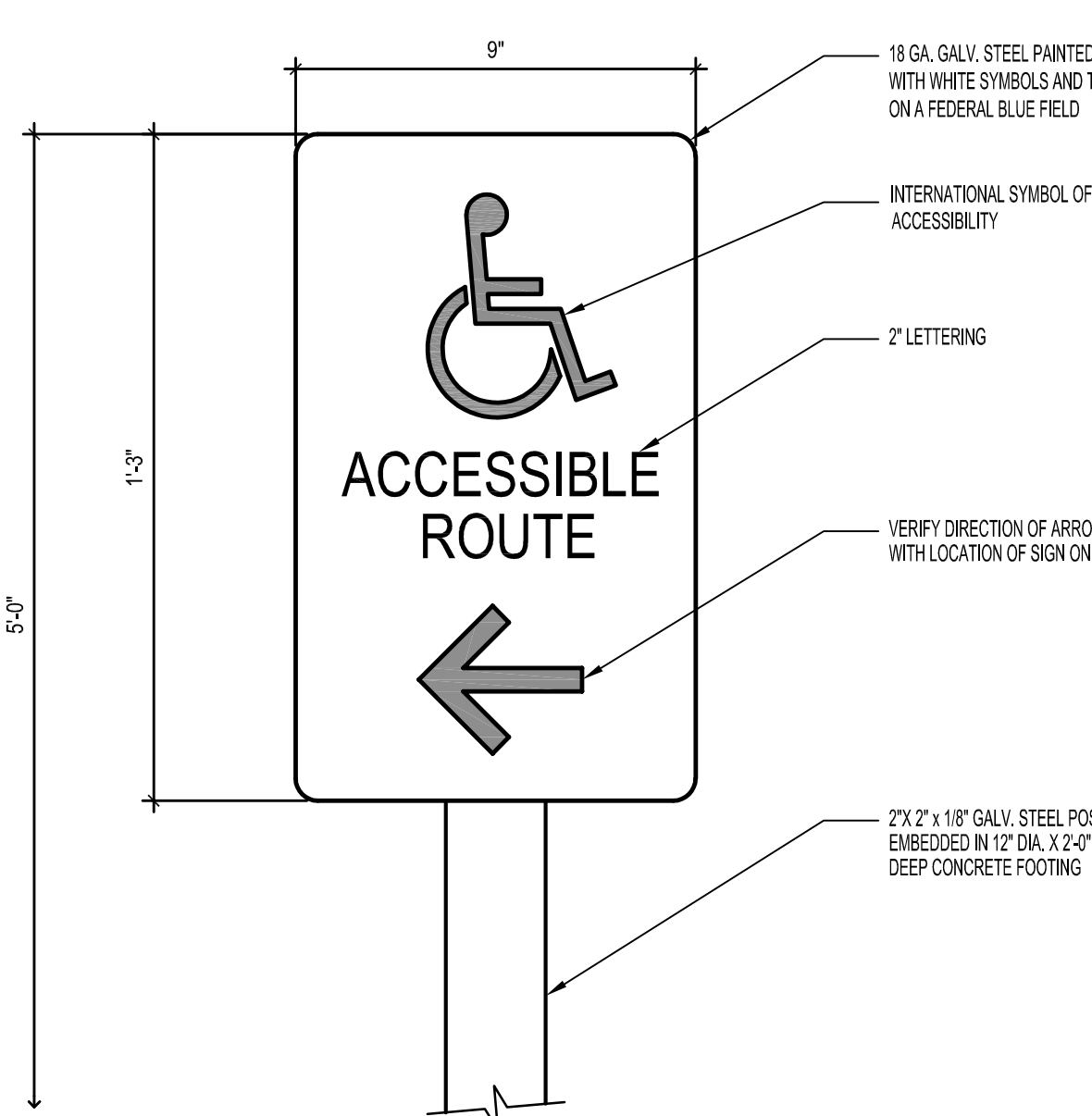
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UNAUTHORIZED VEHICLE SIGNAGE

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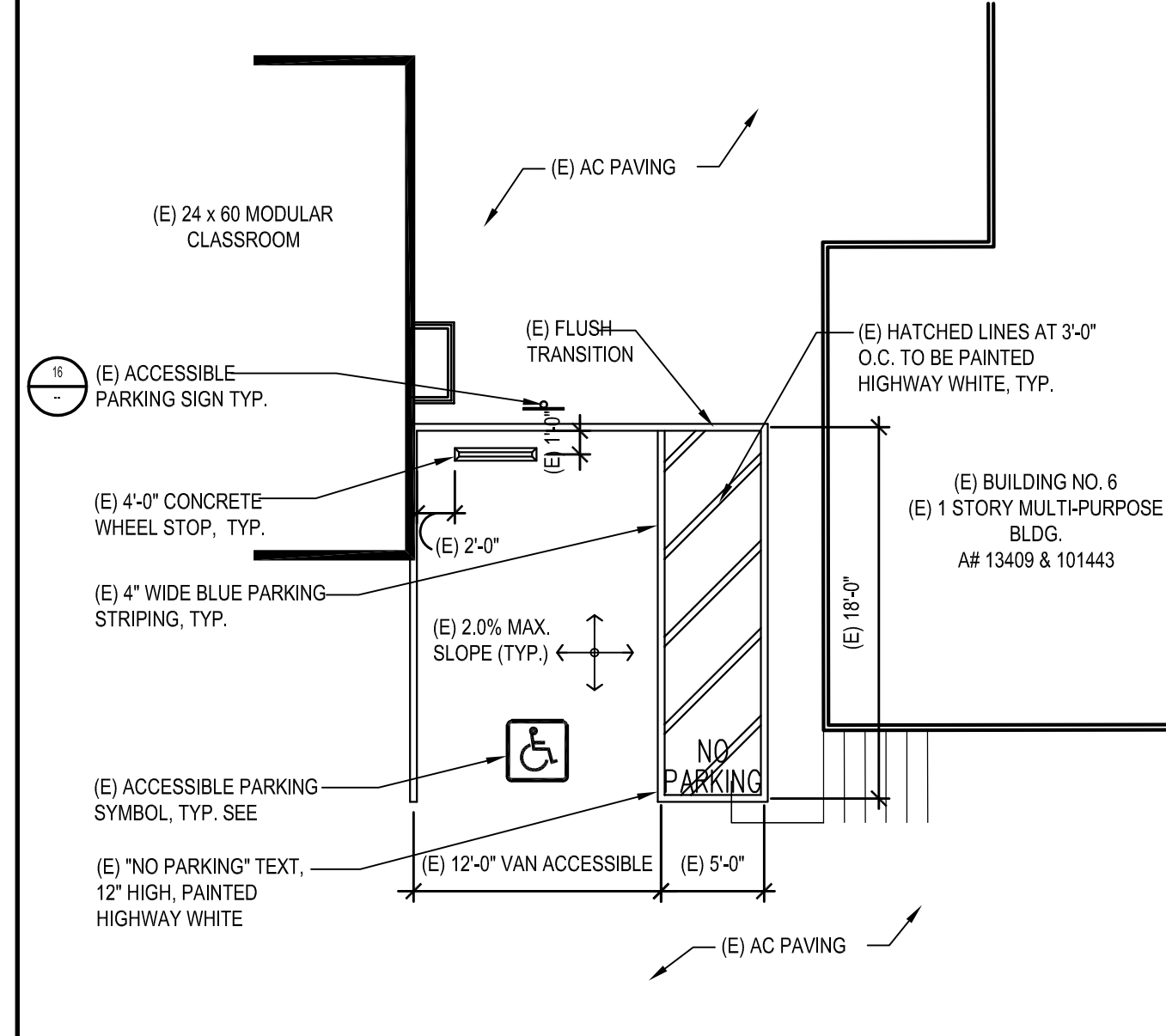
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ACCESSIBLE ROUTE SIGN

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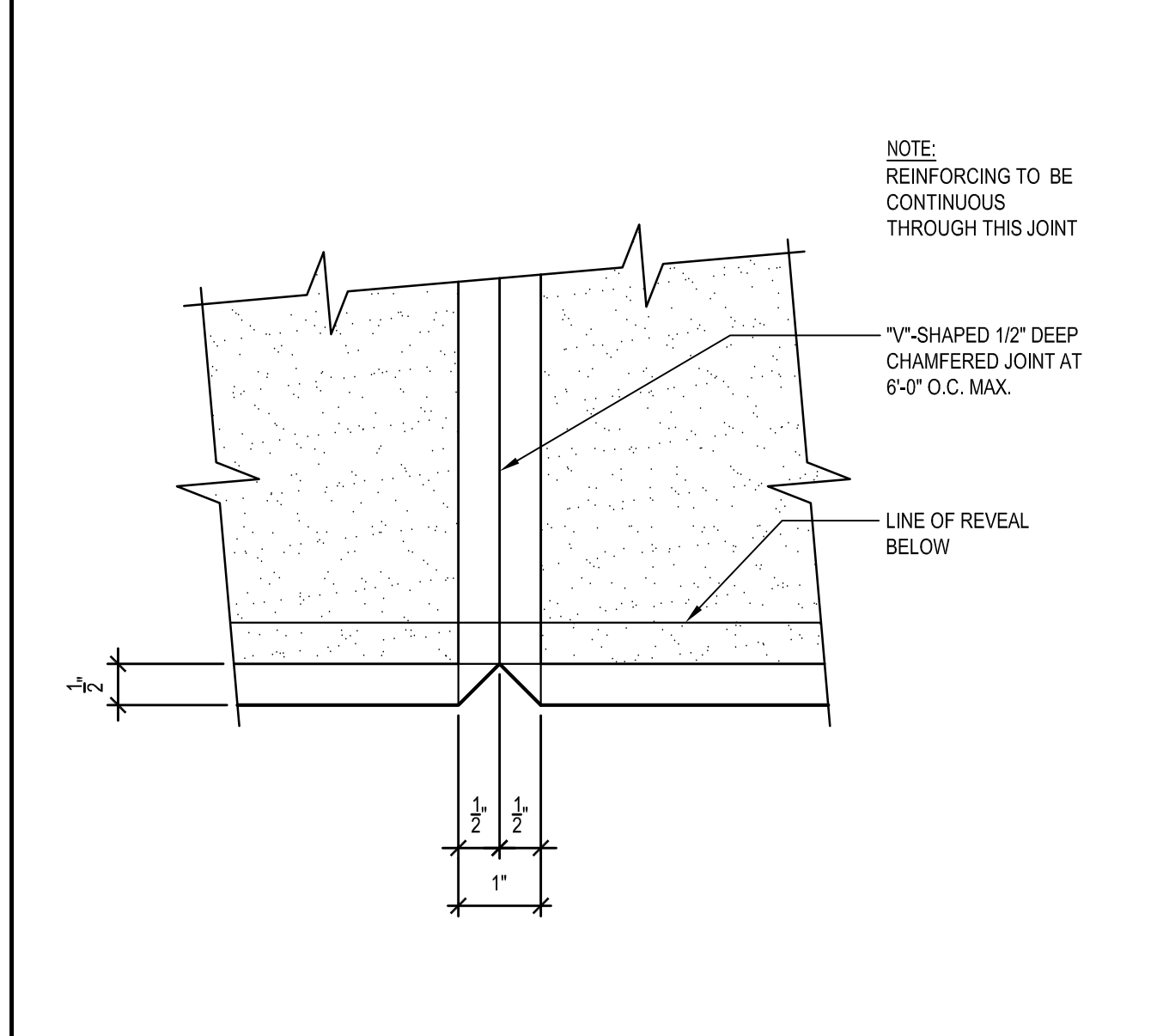
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ACCESSIBLE PARKING STALL

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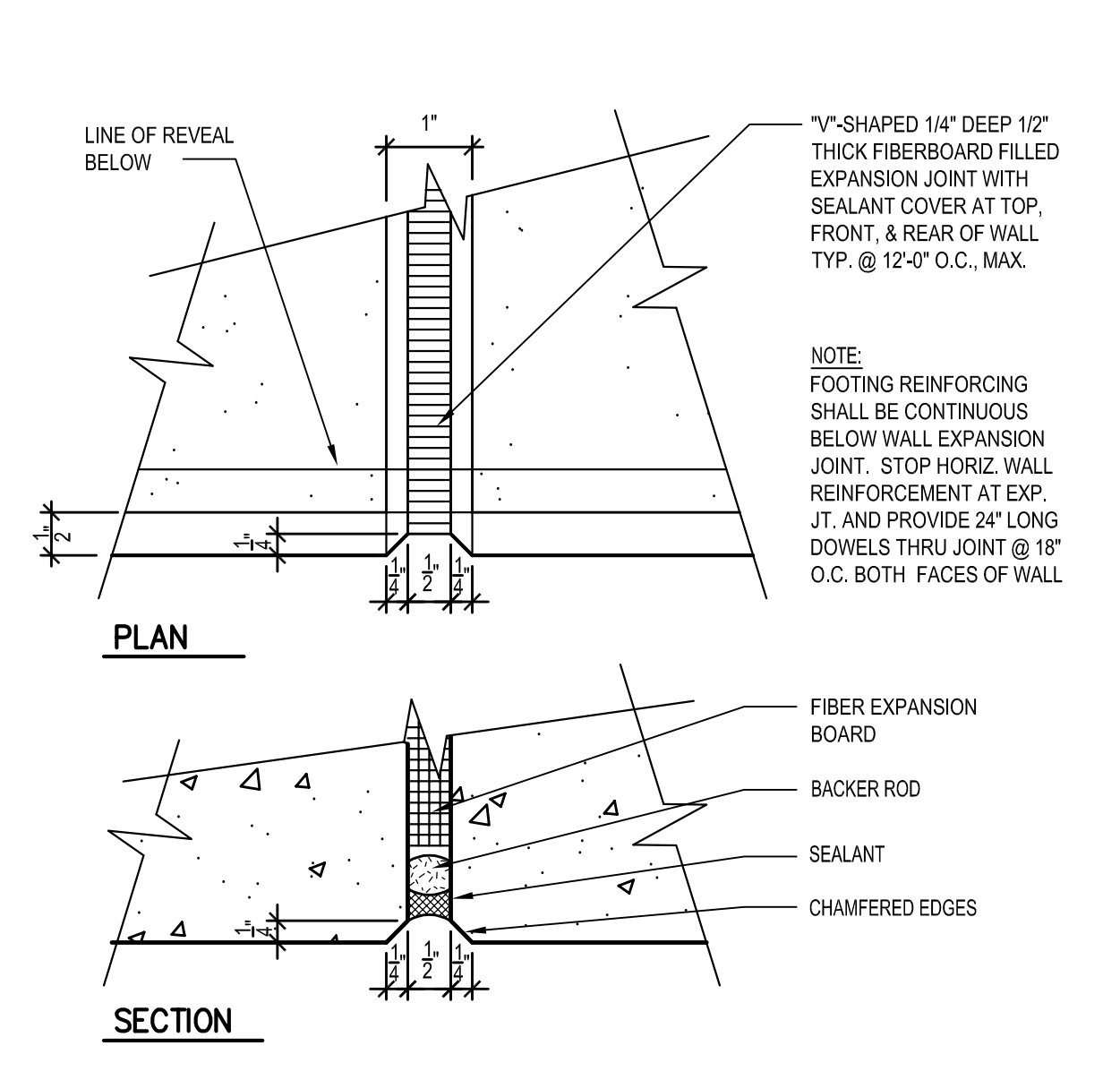
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WALL JOINT - PLAN VIEW

SCALE: HALF

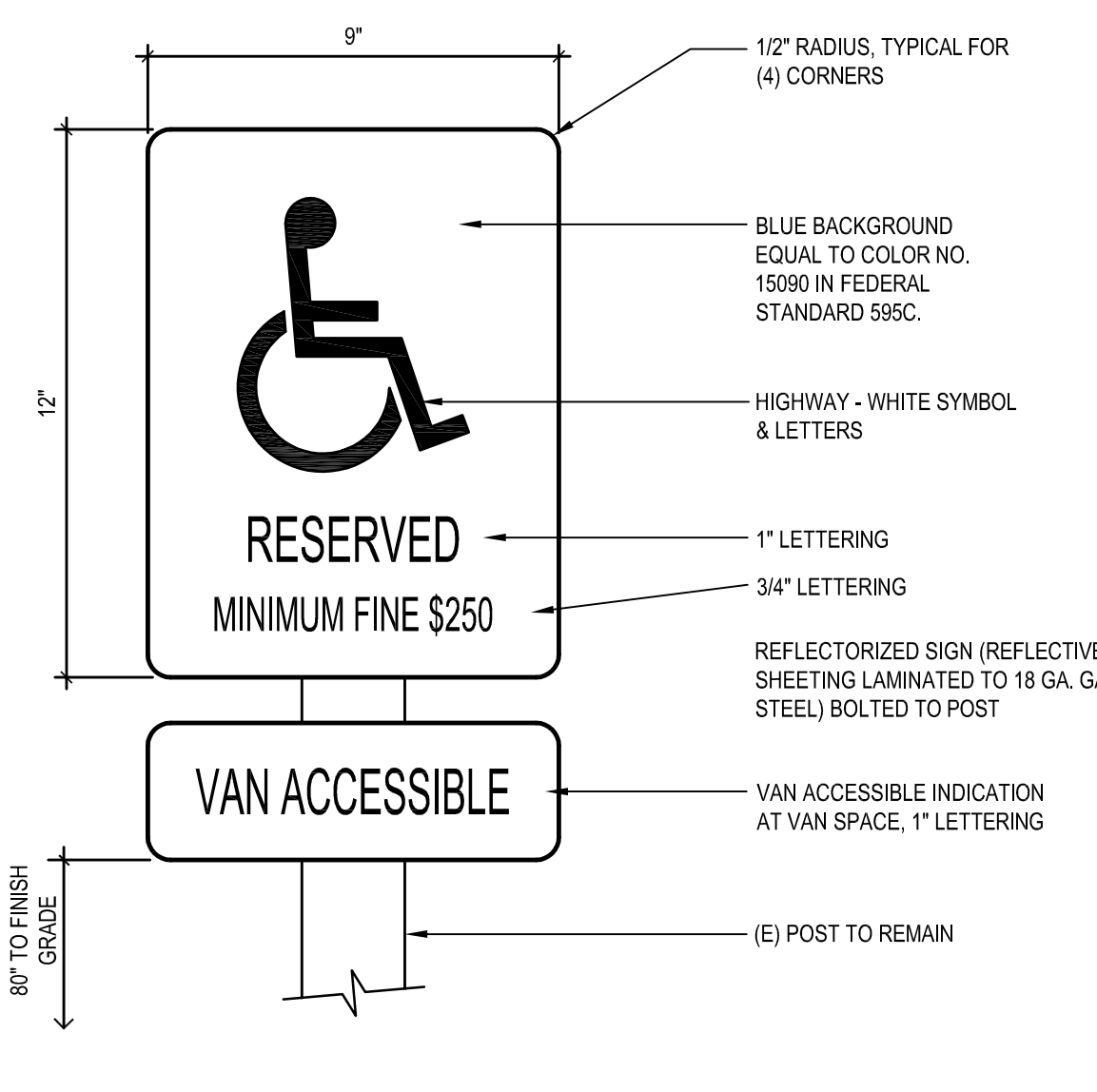
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WALL EXPANSION JOINT

SCALE: HALF

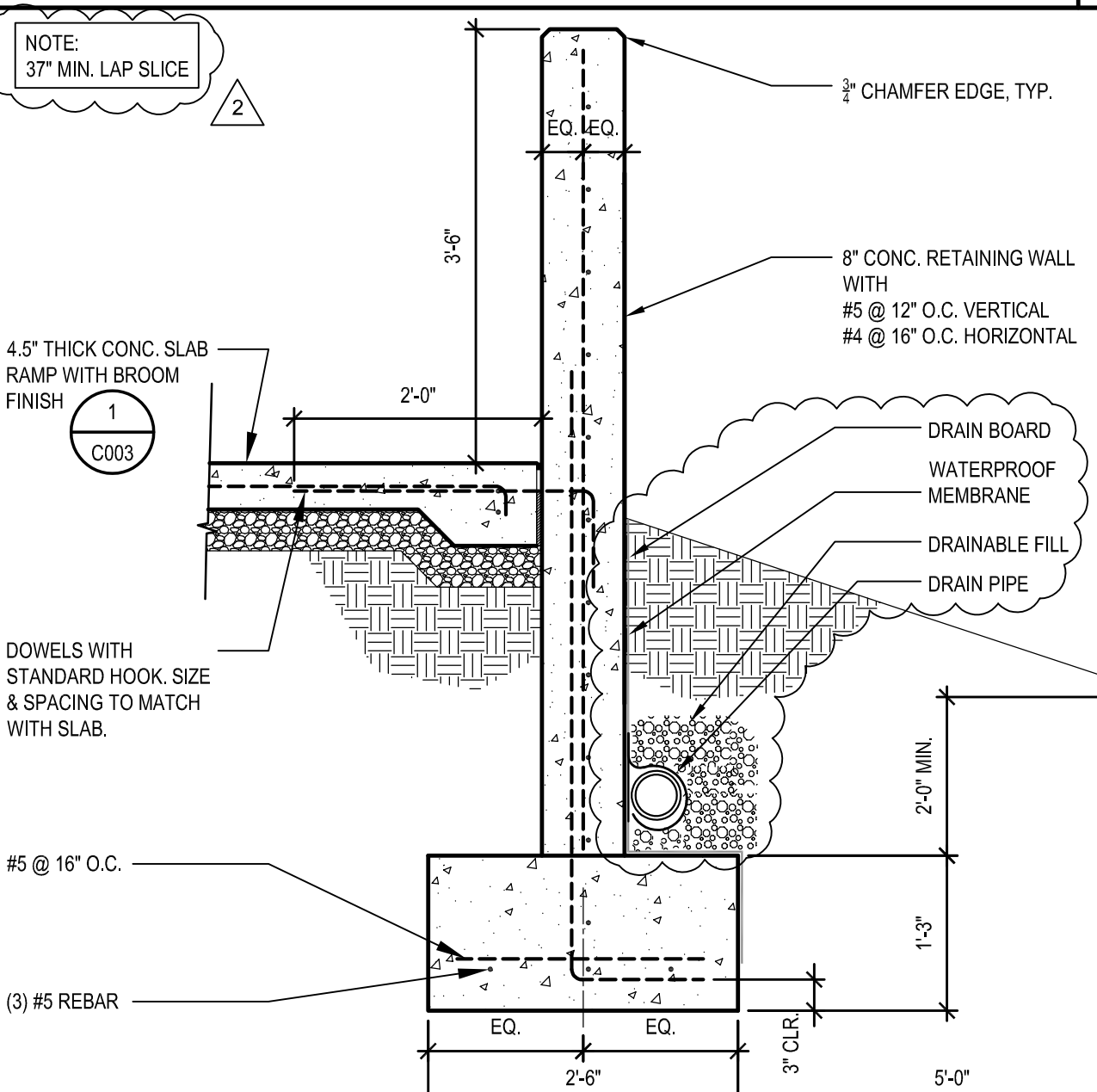
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ACCESSIBLE PARKING STALL SIGN

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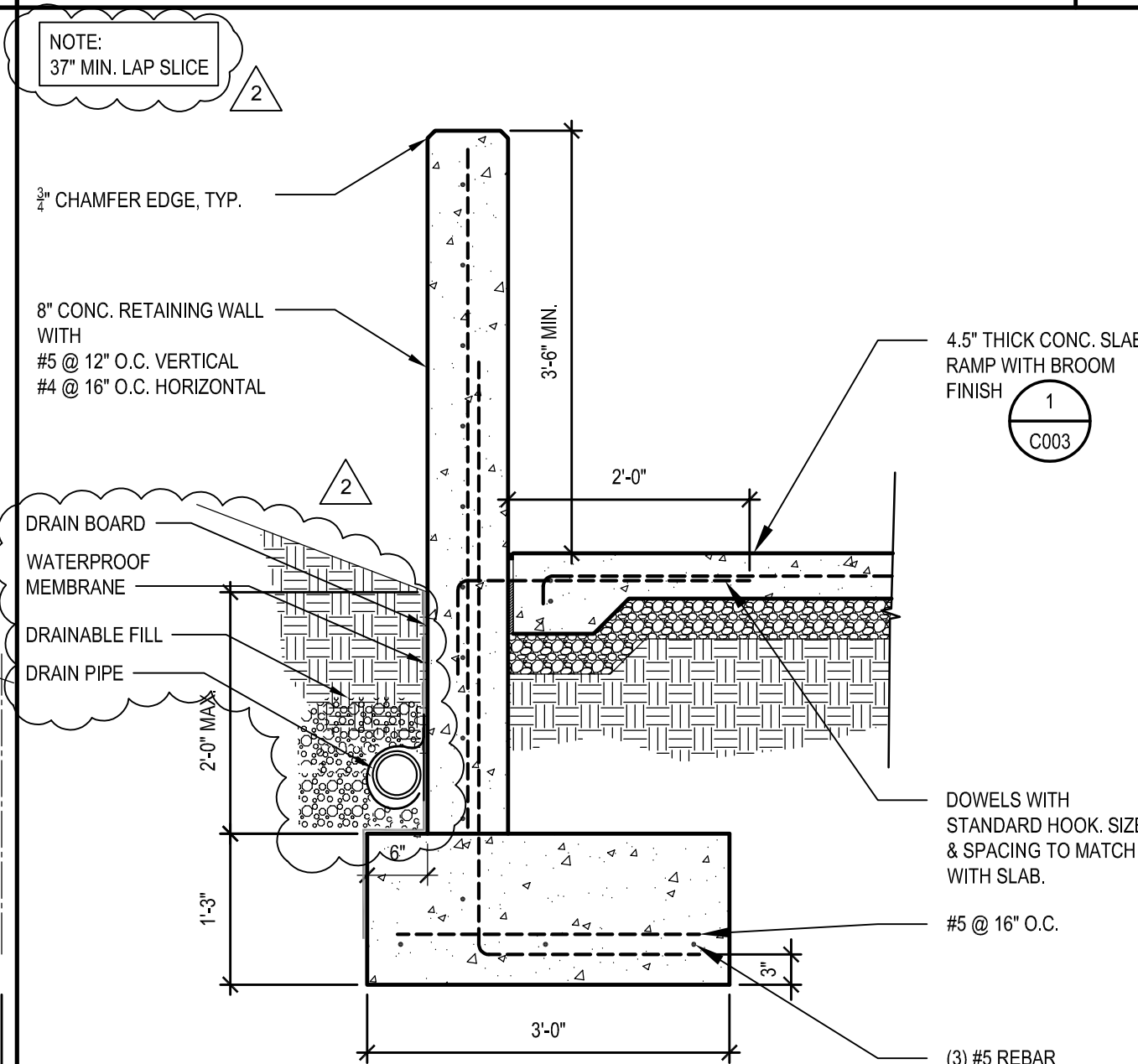
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TYP. CONC. RETAIN. WALL - SECTION 1

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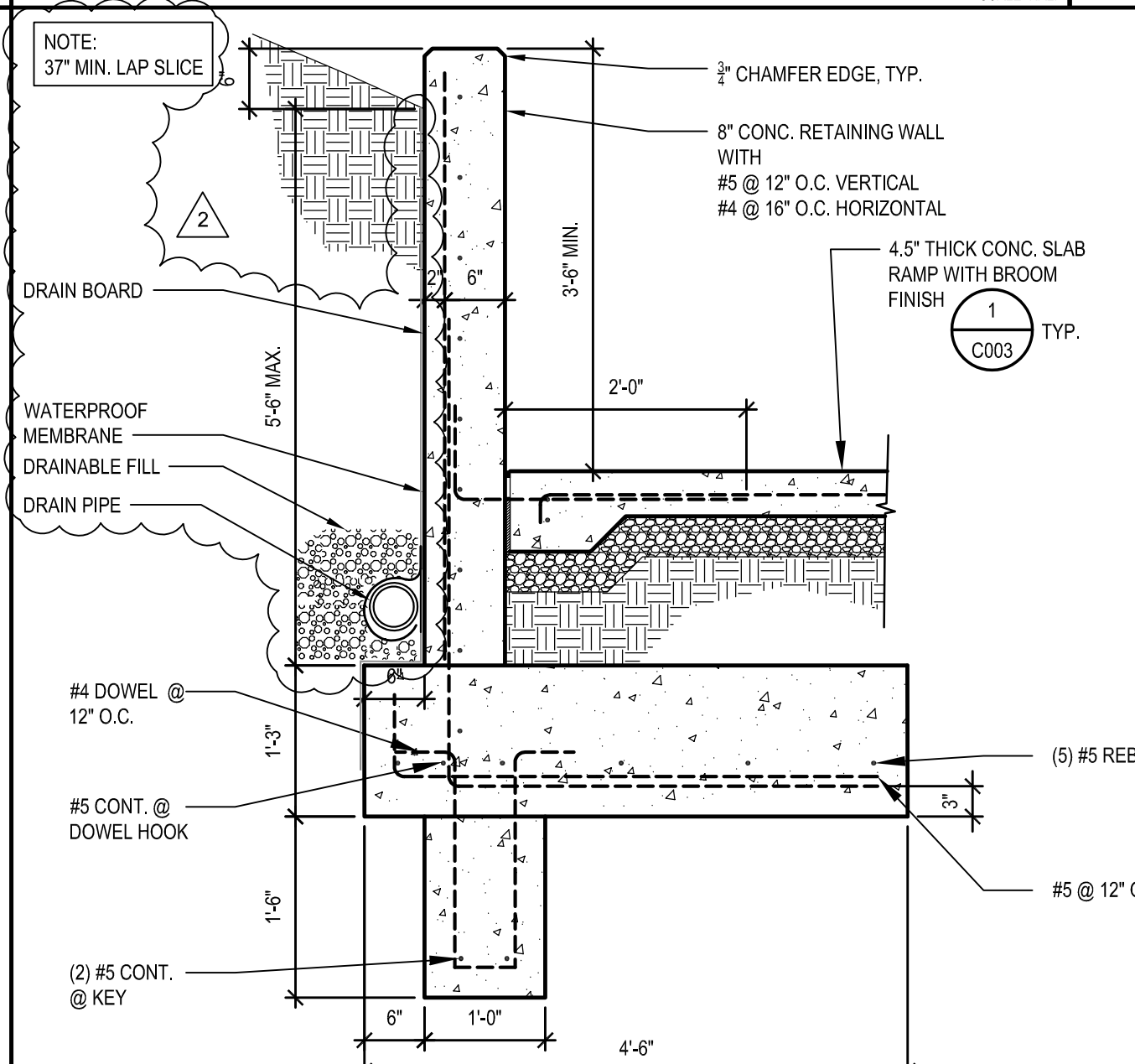
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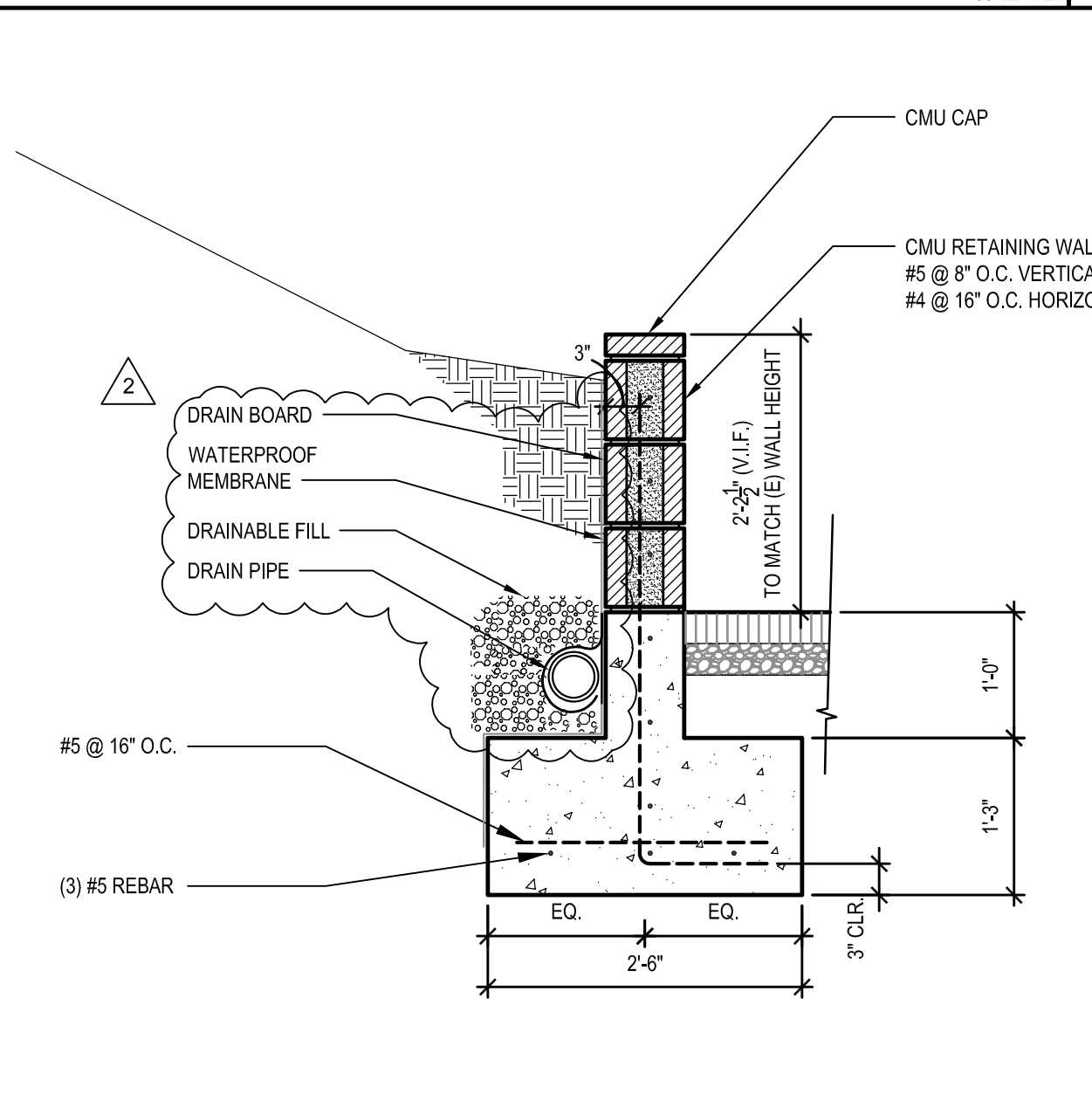
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TYP. CONC. RETAIN. WALL - SECTION 3

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

19

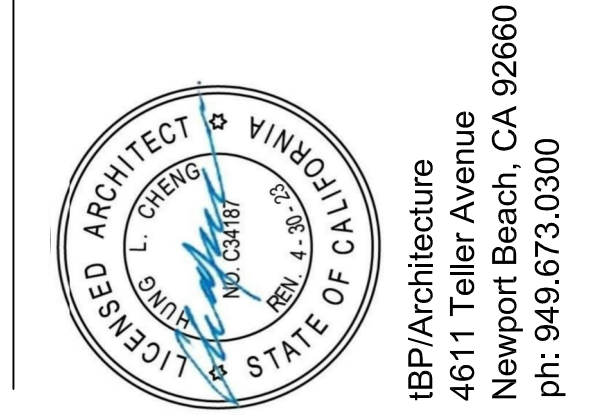
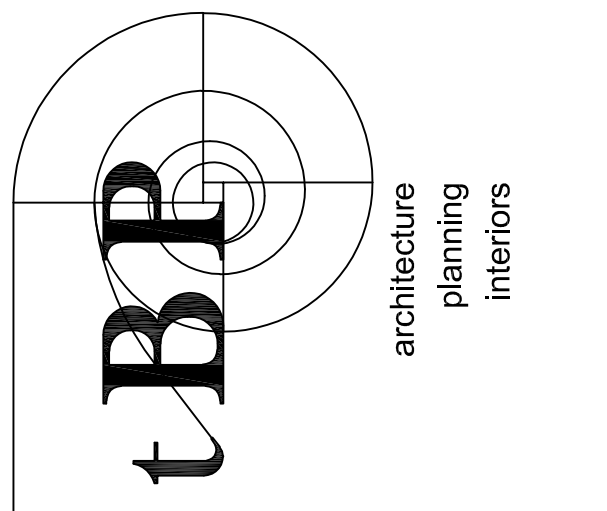


CMU RETAINING WALL

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

20

AF 03 - 121306  
DIVISION OF THE STATE ARCHITECT  
355 S. GRAND AVE. SUITE 2100  
LOS ANGELES, CA 90071  
ph: 213.897.3995 fx: 213.897.3150/0726



tBP/Architecture  
4611 Teller Avenue  
Newport Beach, CA 92660  
ph: 949.673.0300

architect

consultant

**MONTE VISTA ELEMENTARY SCHOOL  
INTERIM HOUSING**  
GLENDALE UNIFIED SCHOOL DISTRICT  
2620 ORANGE AVENUE  
LA CRESCENTA - MONTEROSE, CALIFORNIA 91214

owner

tBP project number : 21056.00

file name:

drawn by: checked by:

date: MARCH 10, 2021

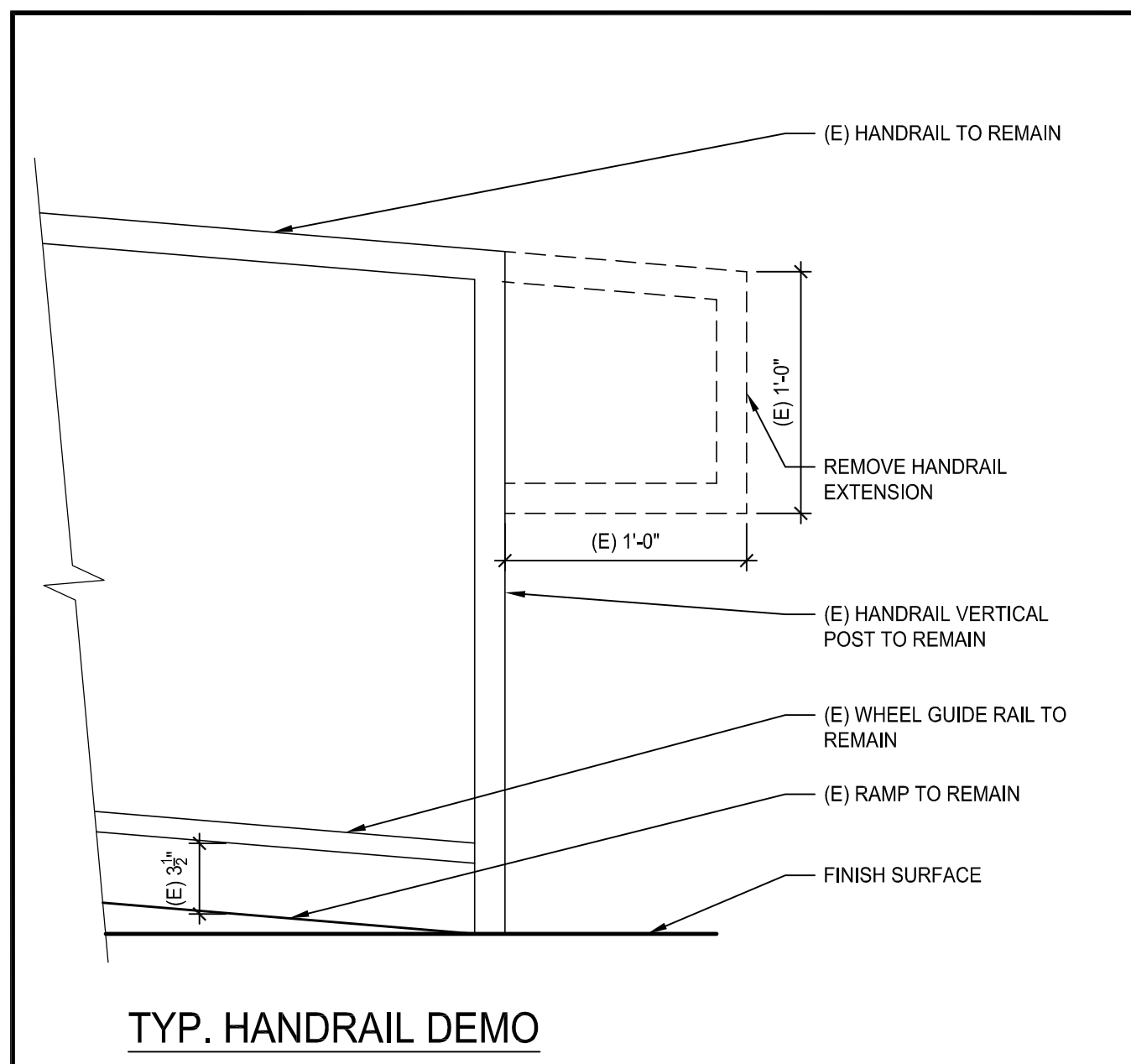
Rev: date: description:

4/22/2021 ADDENDUM 2

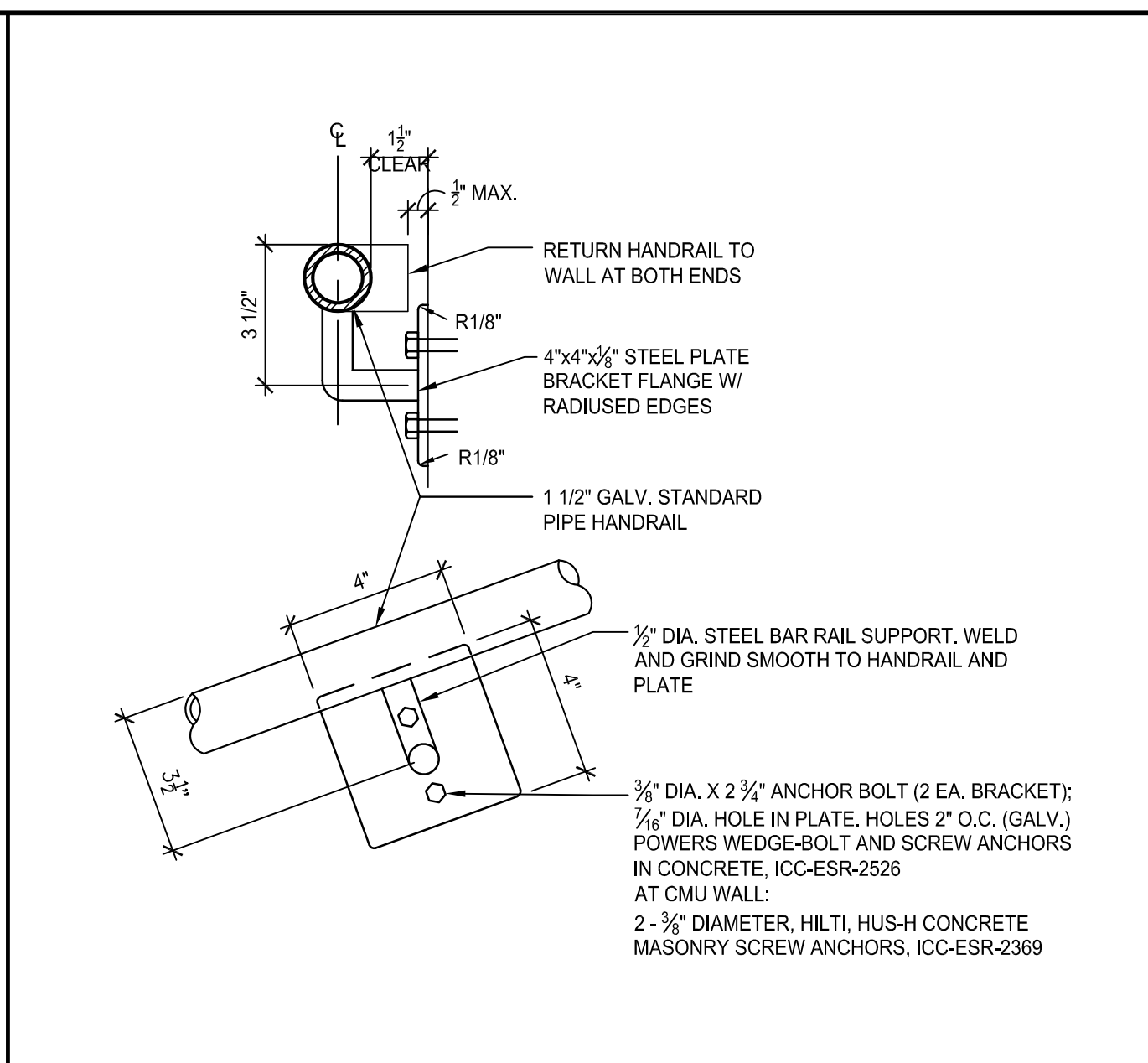
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drawing title:  
**NEW CONC. RAMP**

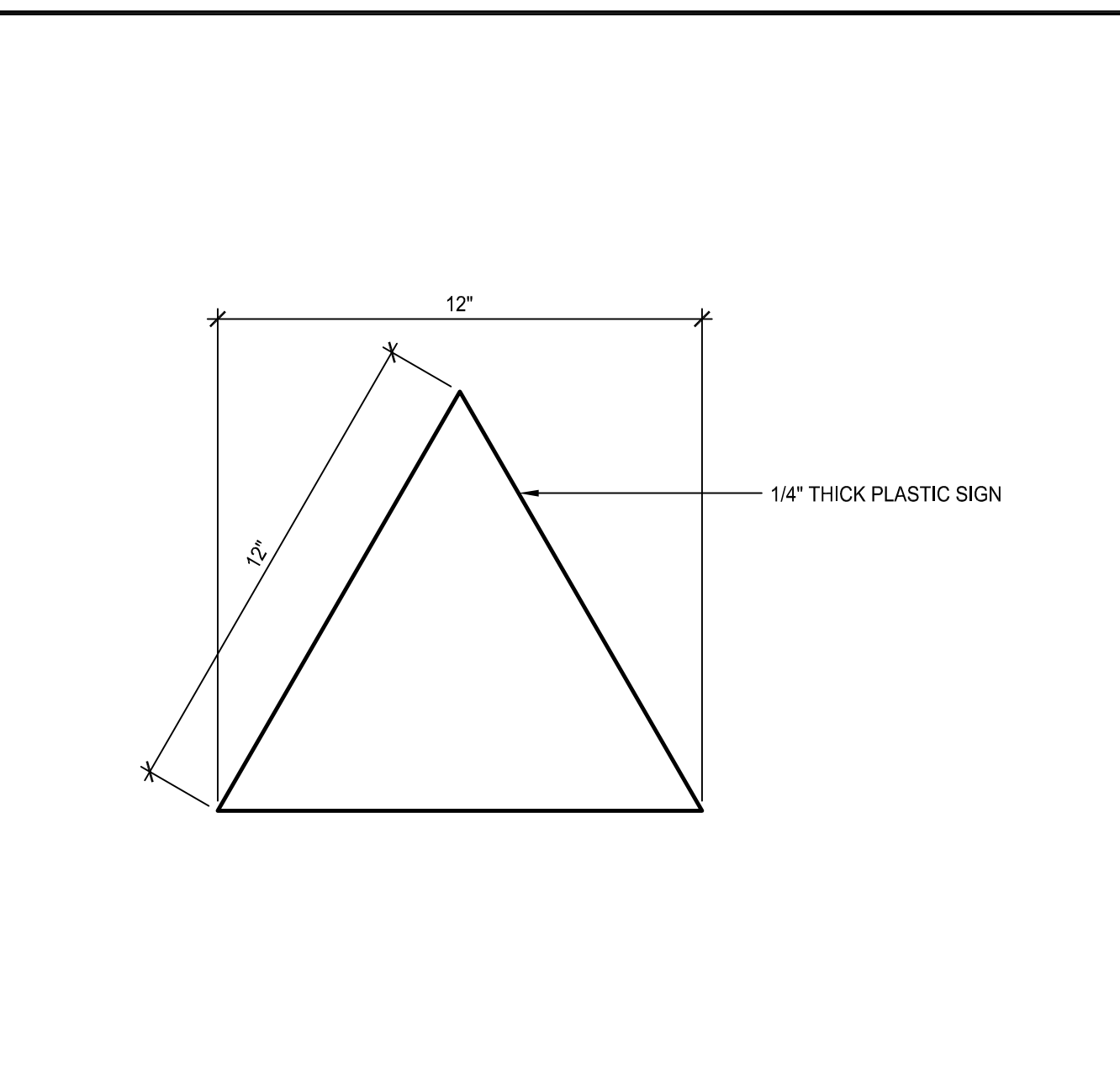
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**AS-5**  
drawing of



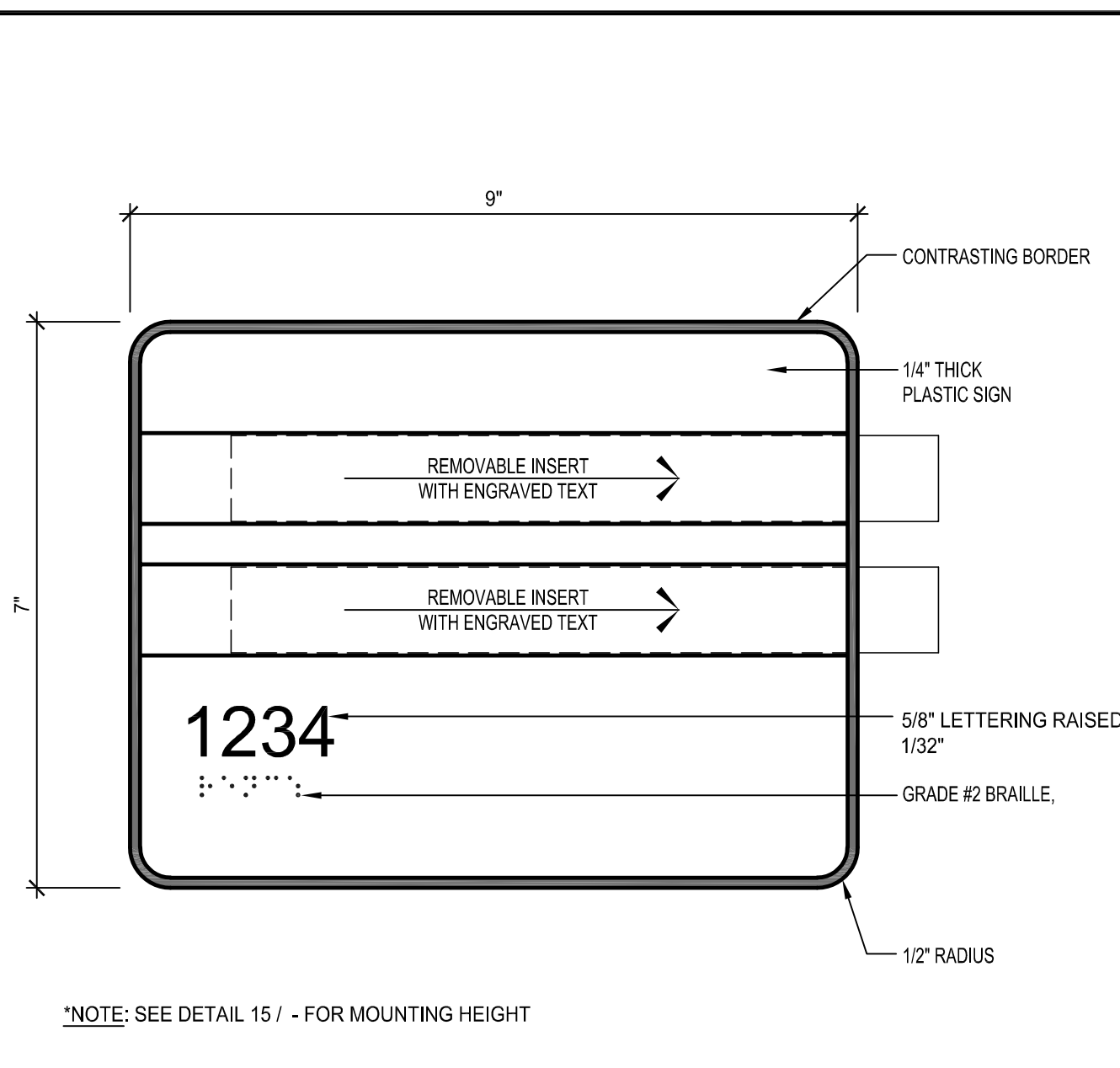
TYP. HANDRAIL DEMO



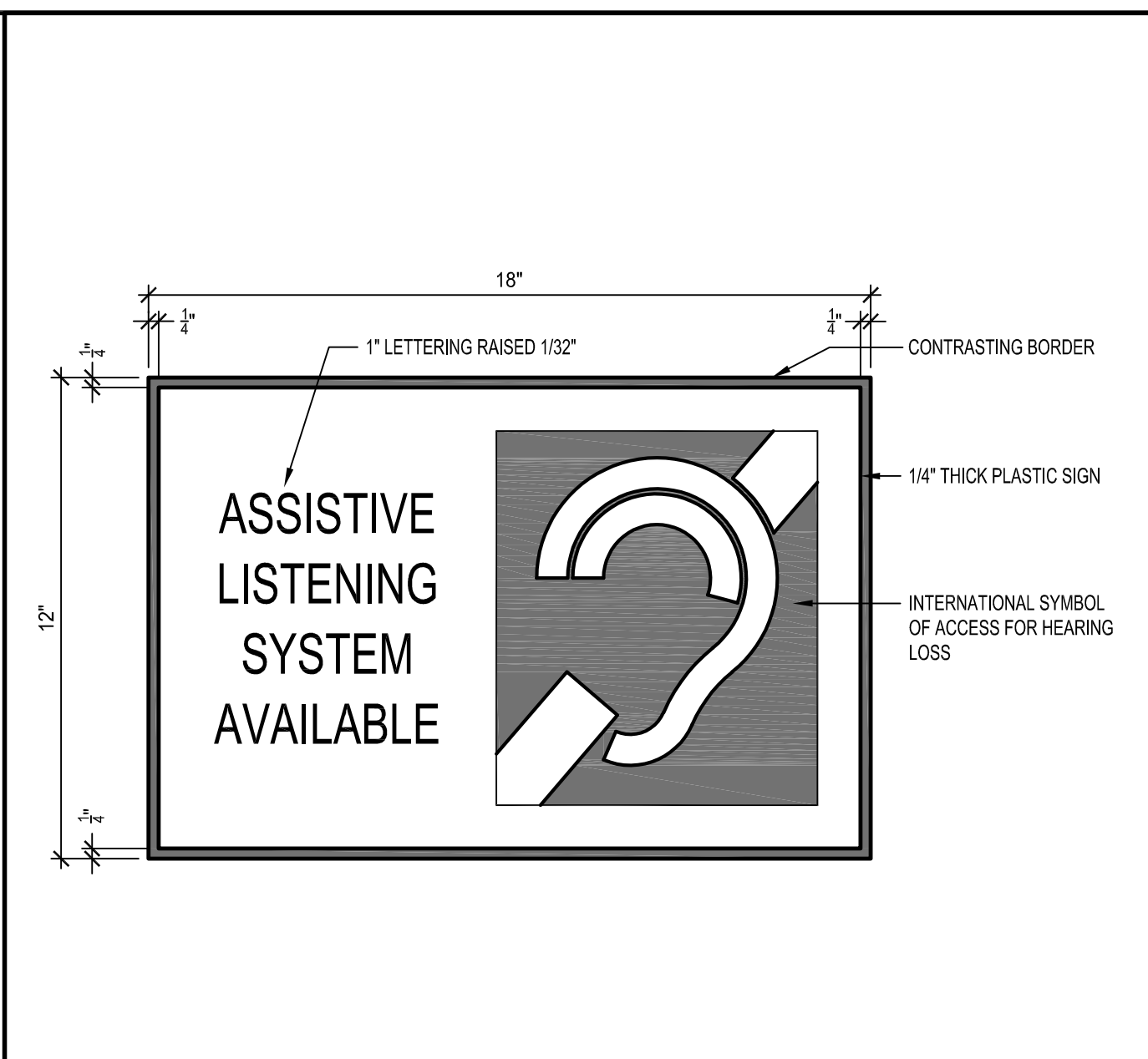
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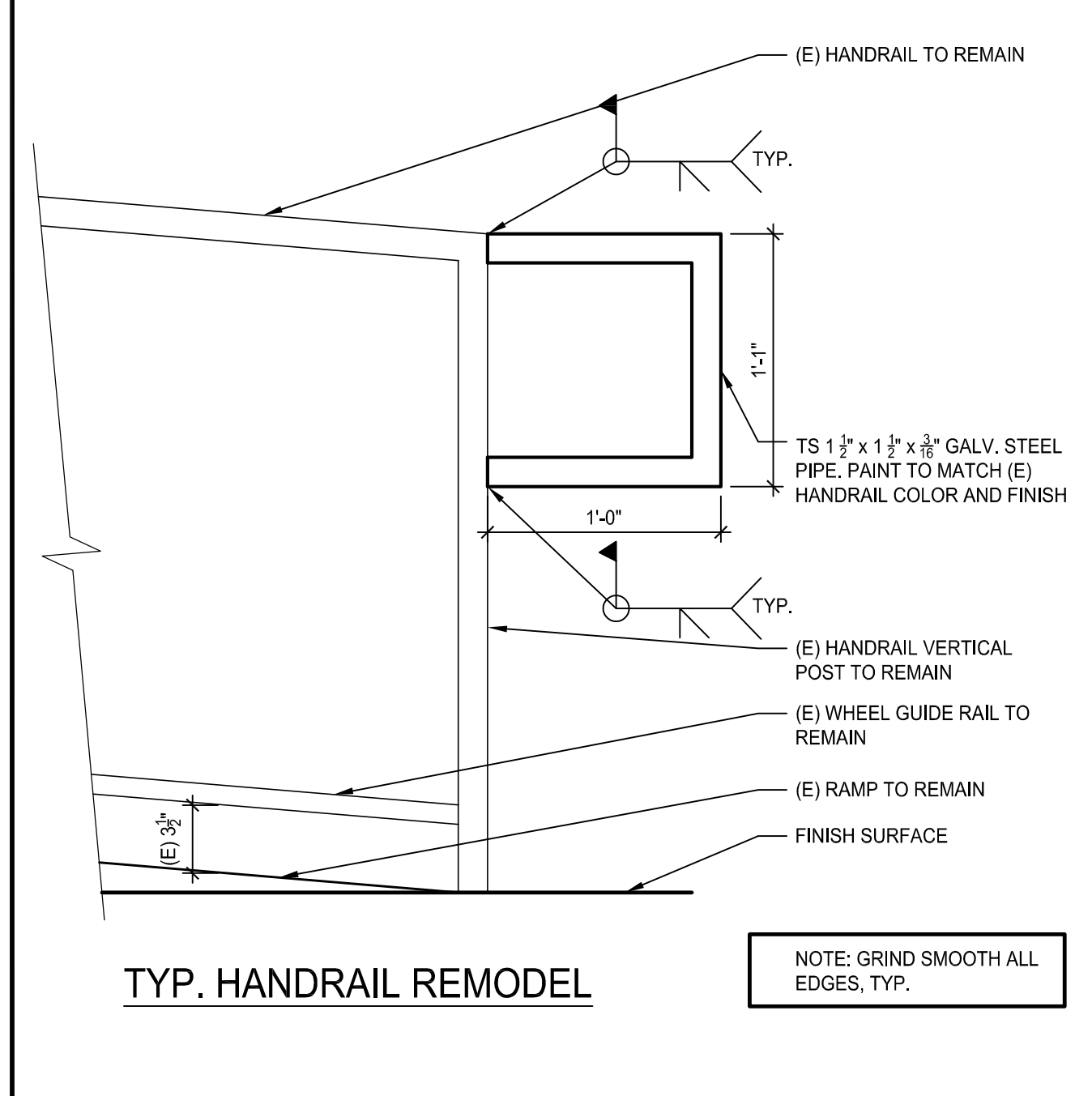
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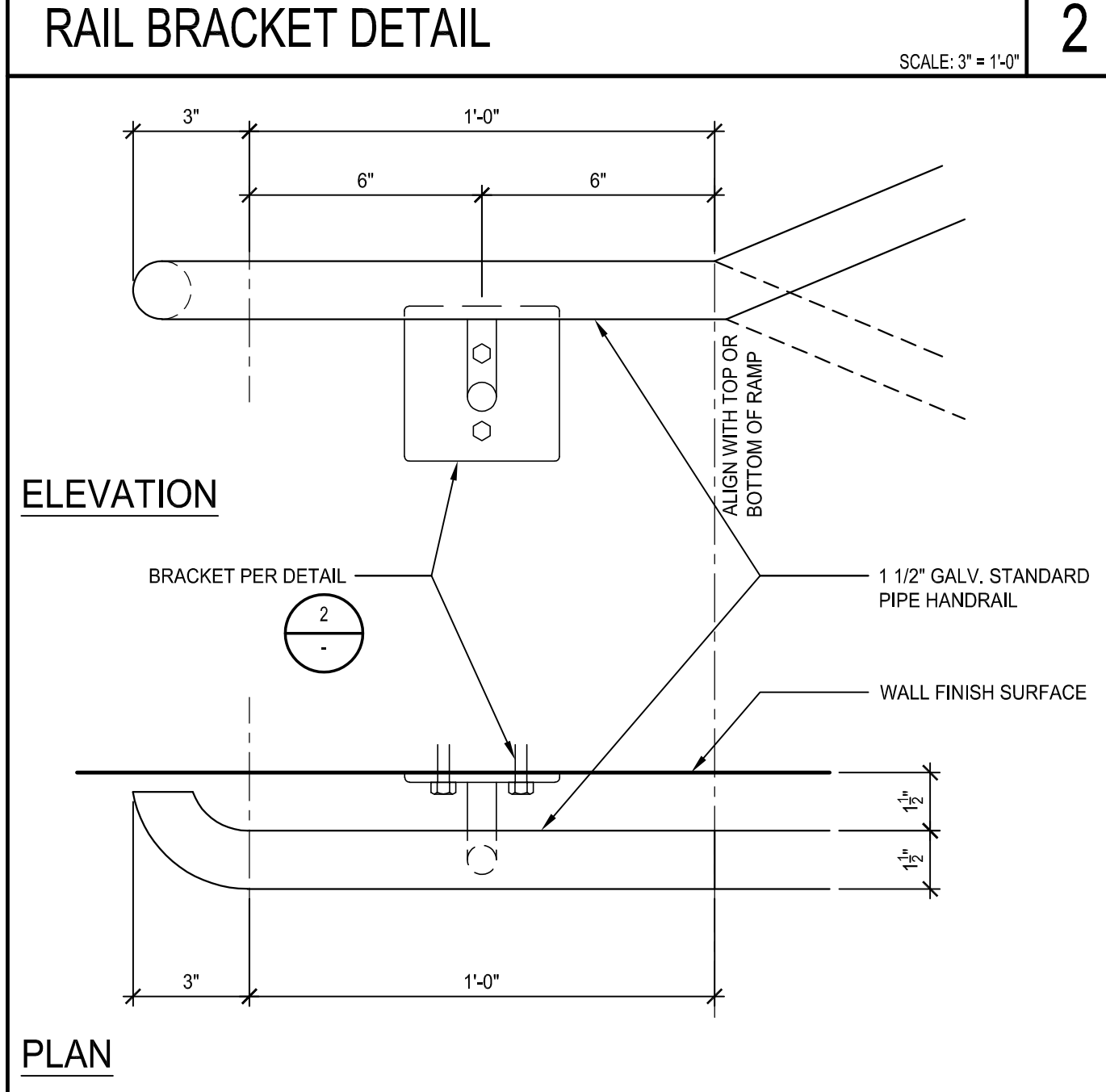
ROOM NAME / NUMBER SIGNAGE WITH INSERT SCALE: 3" = 1'-0"



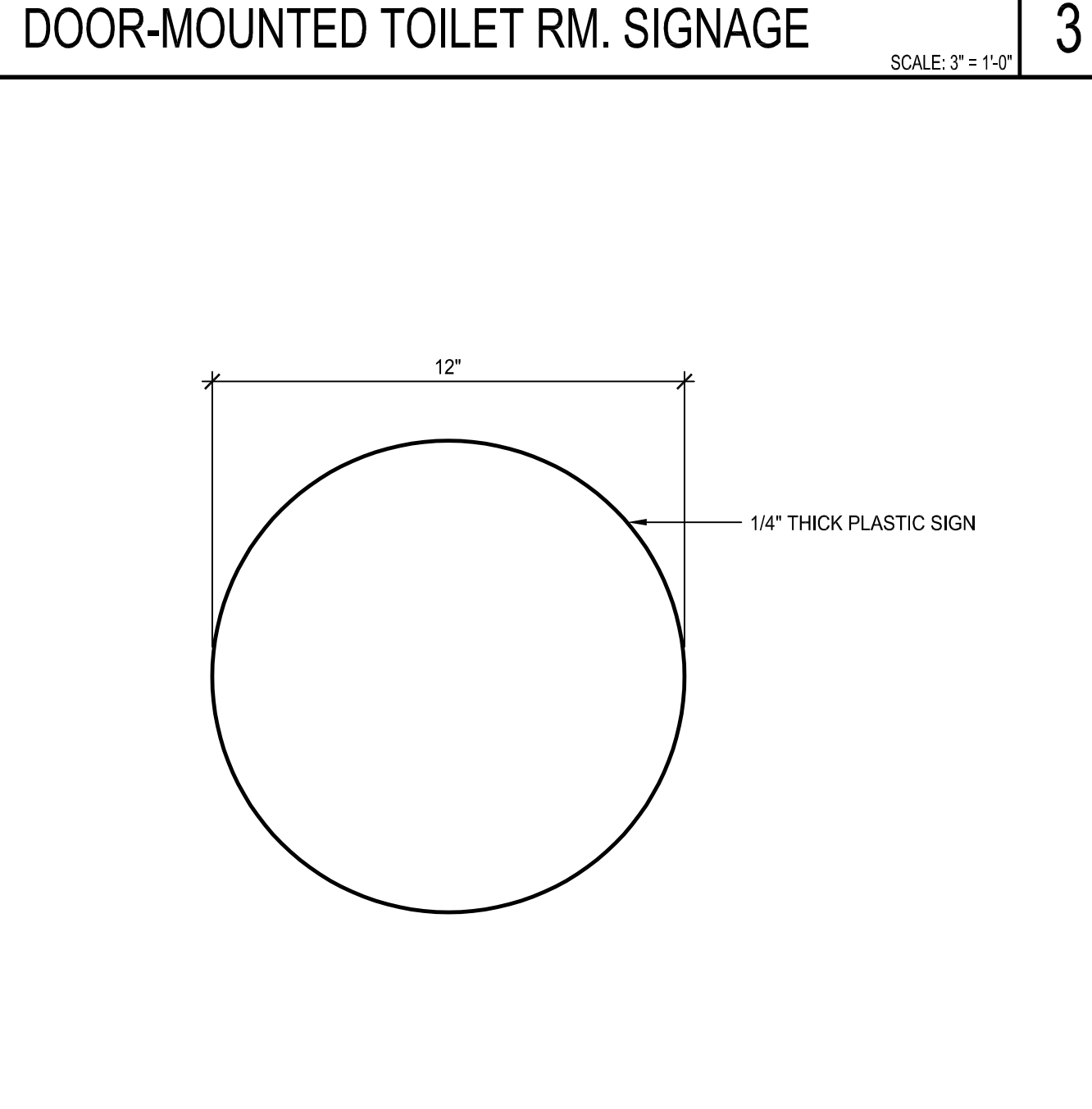
ASSISTIVE-LISTENING DEVICE SIGNAGE SCALE: 3" = 1'-0"



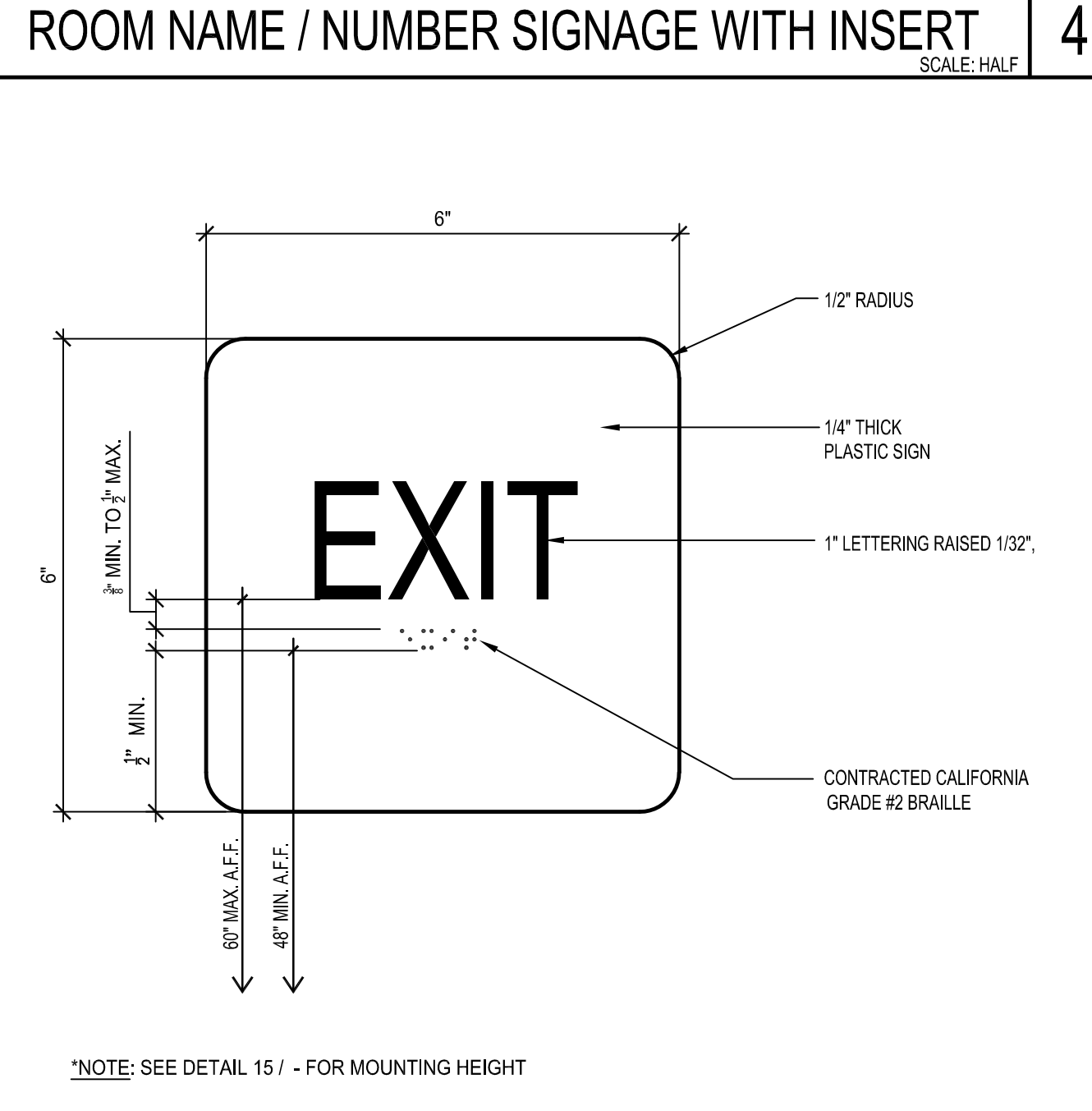
TYP. HANDRAIL REMODEL



ELEVATION PLAN SCALE: 3" = 1'-0"



DOOR-MOUNTED TOILET RM. SIGNAGE SCALE: 3" = 1'-0"

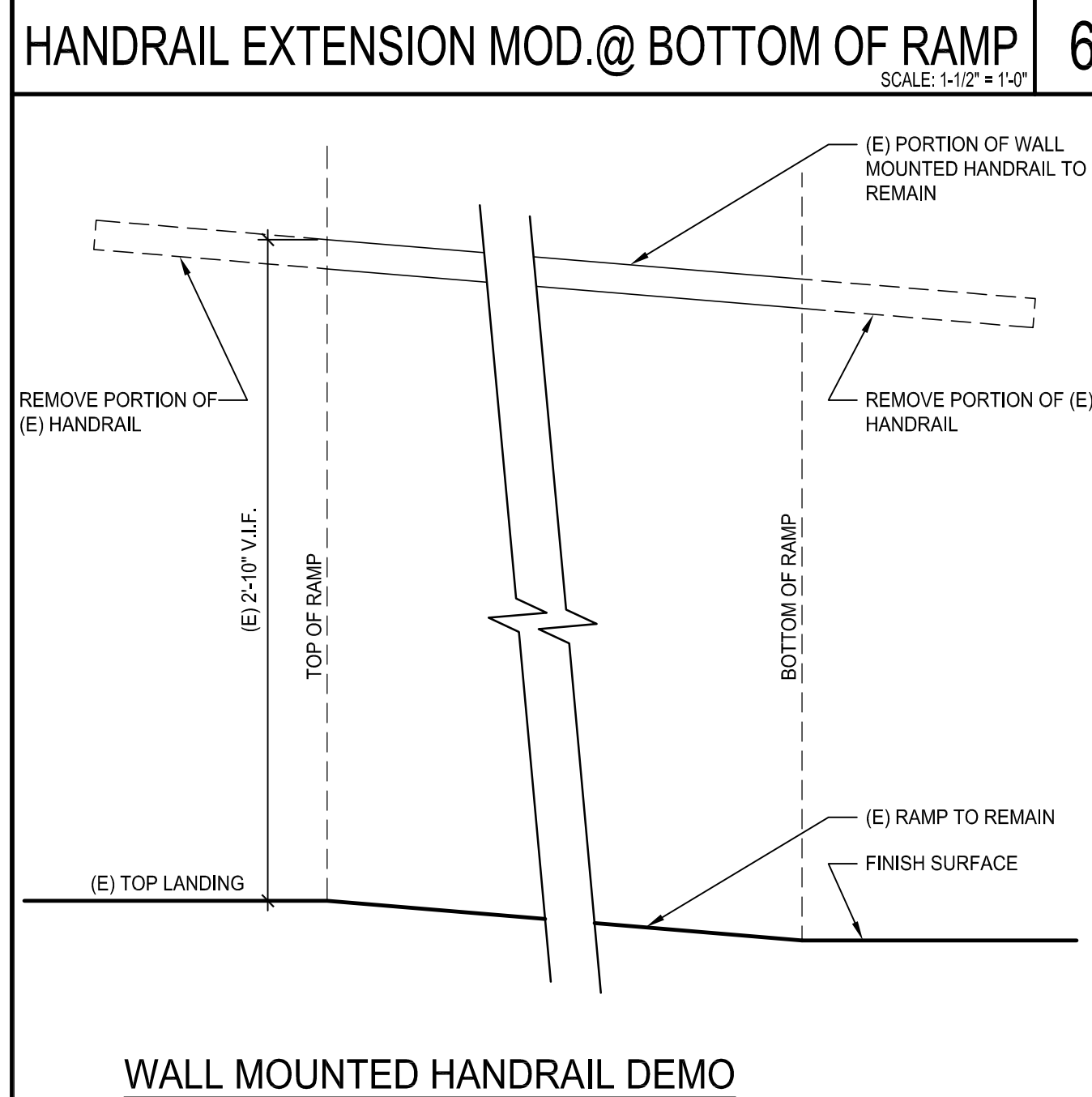


TACTILE EXIT SIGNAGE (ON INTERIOR SIDE) SCALE: HALF

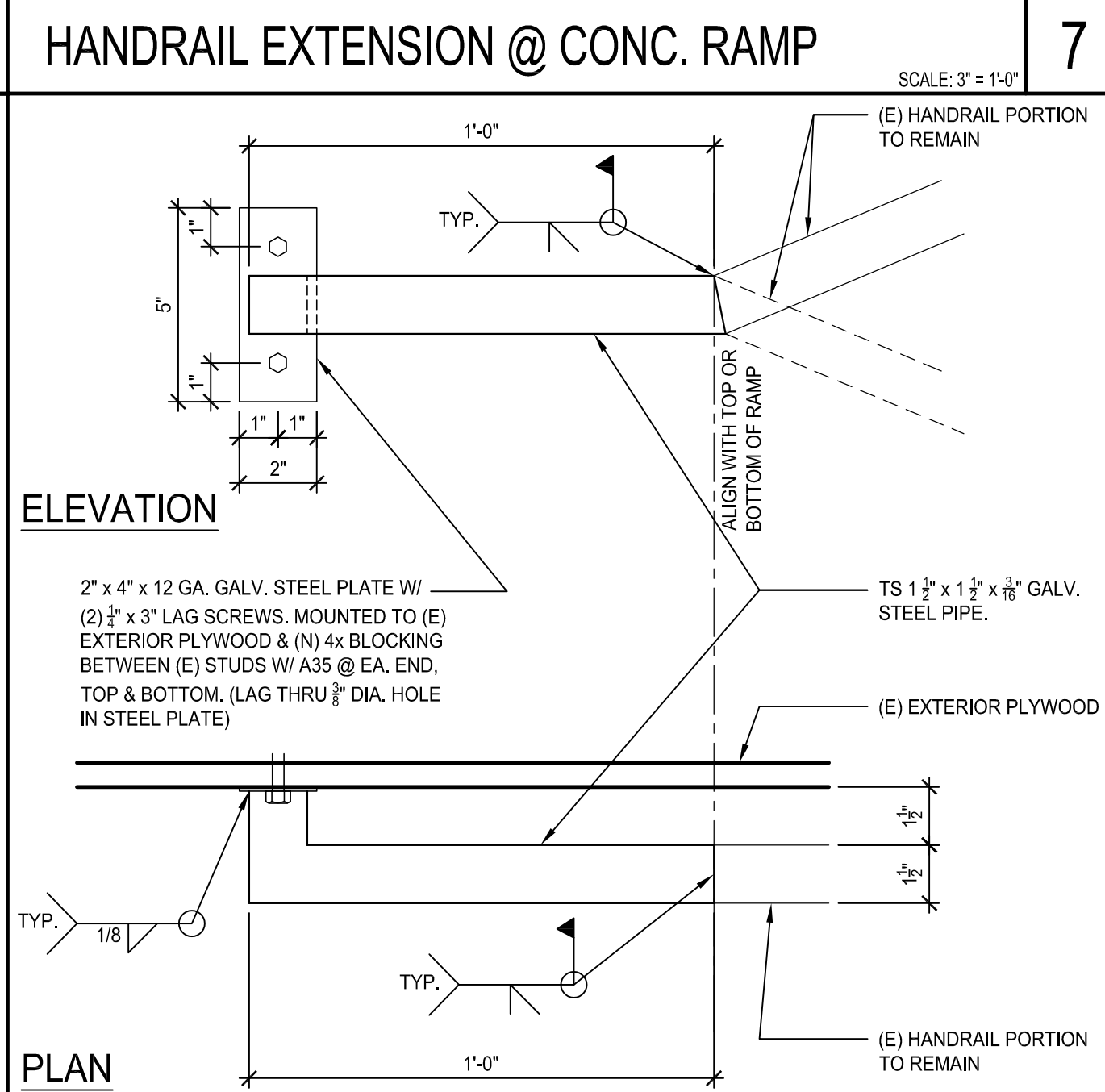
**TYPICAL SIGNAGE NOTES**

- TACTILE CHARACTER TYPE: TACTILE CHARACTERS ON SIGNS SHALL BE RAISED 1/32" MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY CONTRACTED (GRADE 2) BRAILLE. CBC SECTION 11B-703.3
- TACTILE CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" AND A MAXIMUM OF 2" HIGH. CBC SECTION 11B-703.2
- FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MINIMUM AND HAVE A NON-GLARE FINISH. CBC SECTION 11B-703.5.1
- 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. CBC SECTION 11B-703.2
- BRAILLE: CONTRACTED (GRADE 2) BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10" ON CENTERS IN EACH CELL WITH 2/10" 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 1/40" ABOVE THE BACKGROUND. BRAILLE DOTS SHALL BE DOMED OR ROUNDED. CBC SECTION 11B-703.3.1
- MOUNTING HEIGHT AND LOCATION: SIGNS WITH RAISED CHARACTERS AND BRAILLE SHALL BE LOCATED 48" MINIMUM TO THE BASELINE OF THE LOWEST LINE OF BRAILLE AND 60" MAXIMUM TO THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS ABOVE THE FINISH FLOOR OR GROUND SURFACE. MOUNTING LOCATION SHALL BE DETERMINED SO THAT A PERSON MAY APPROACH WITHIN 3" OF SIGNAGE WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING OF A DOOR. CBC SECTION 11B-703.4

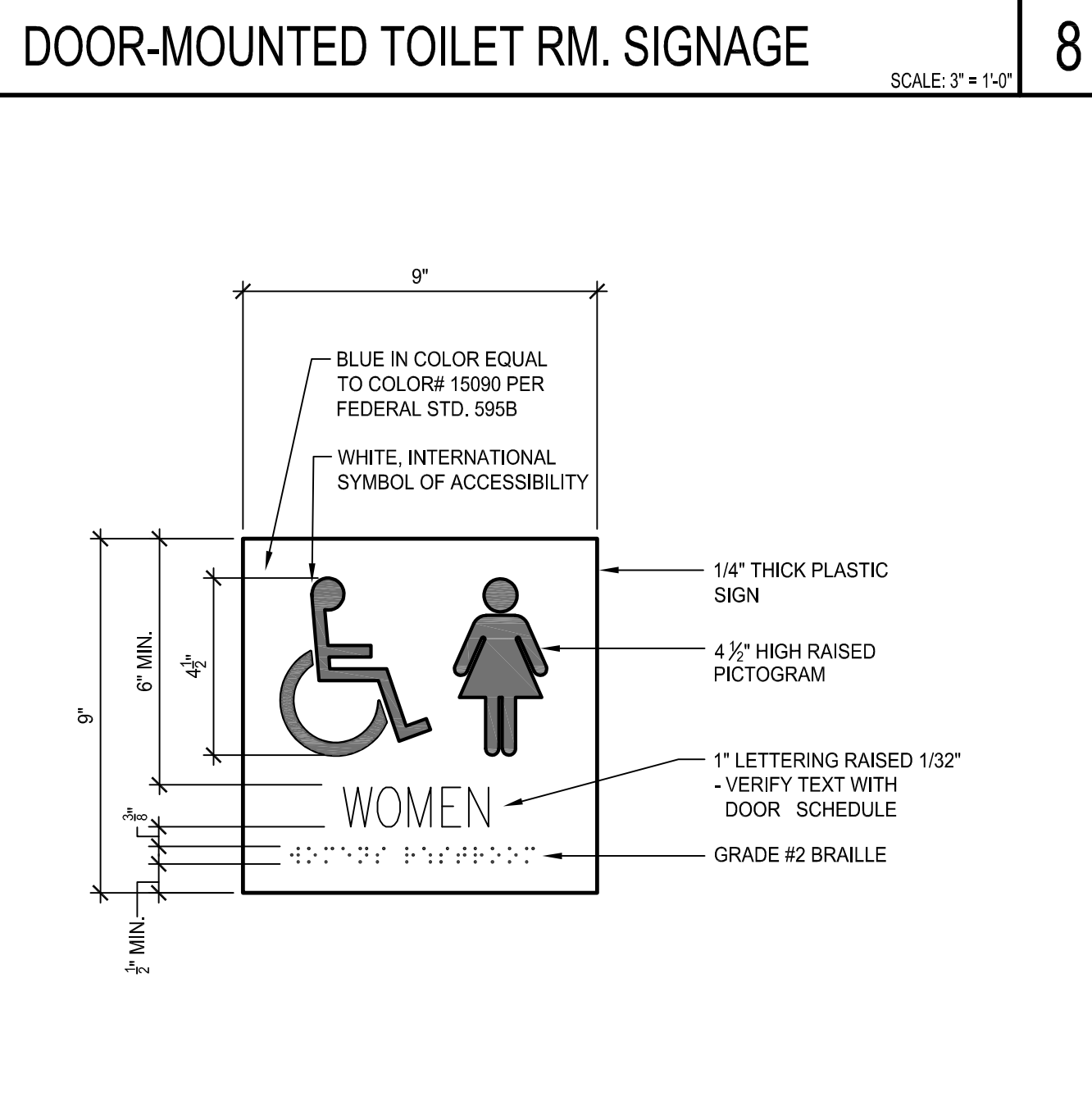
TYPICAL SIGNAGE NOTES SCALE: FULL



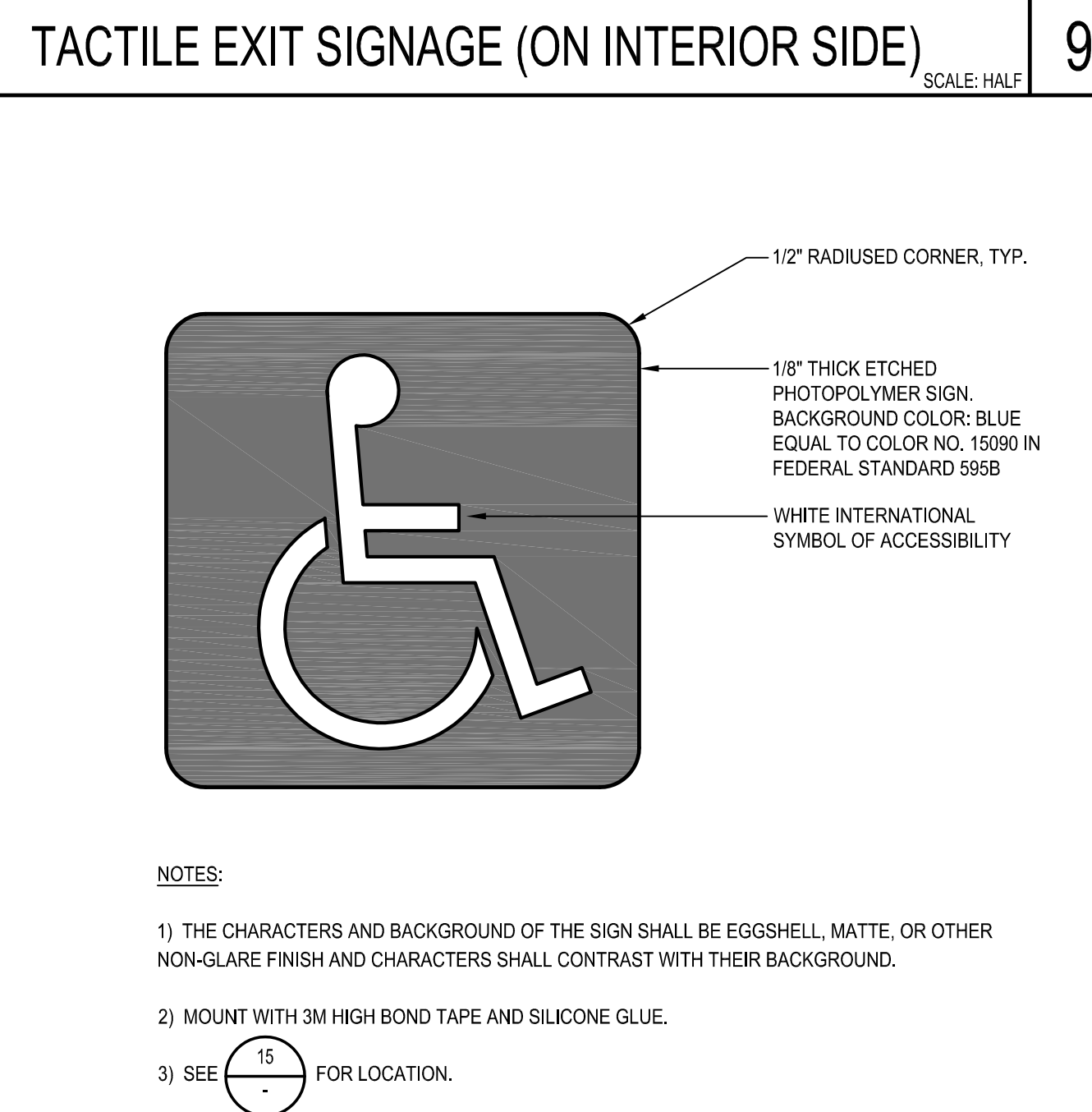
WALL MOUNTED HANDRAIL DEMO



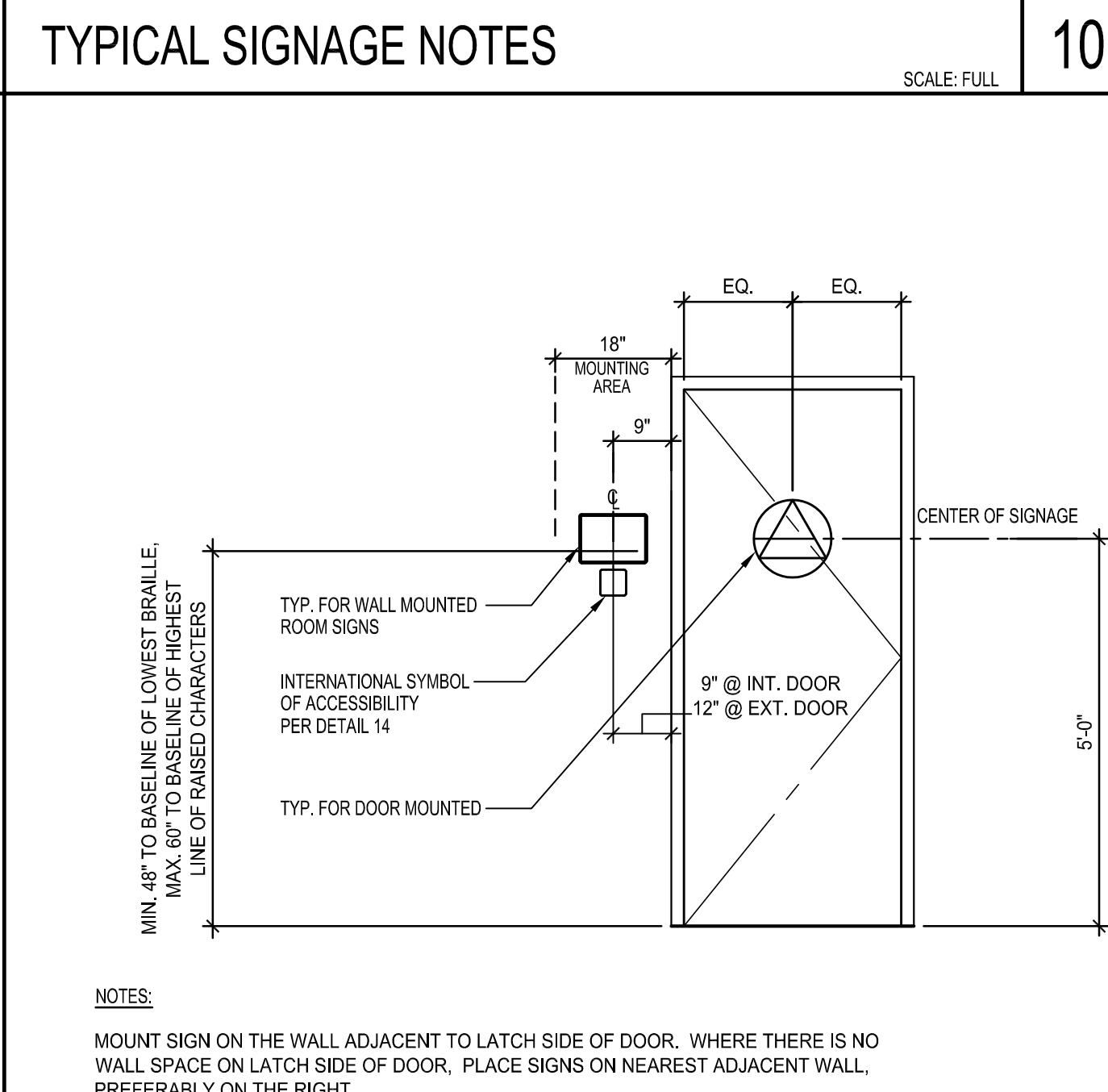
ELEVATION PLAN SCALE: 3" = 1'-0"



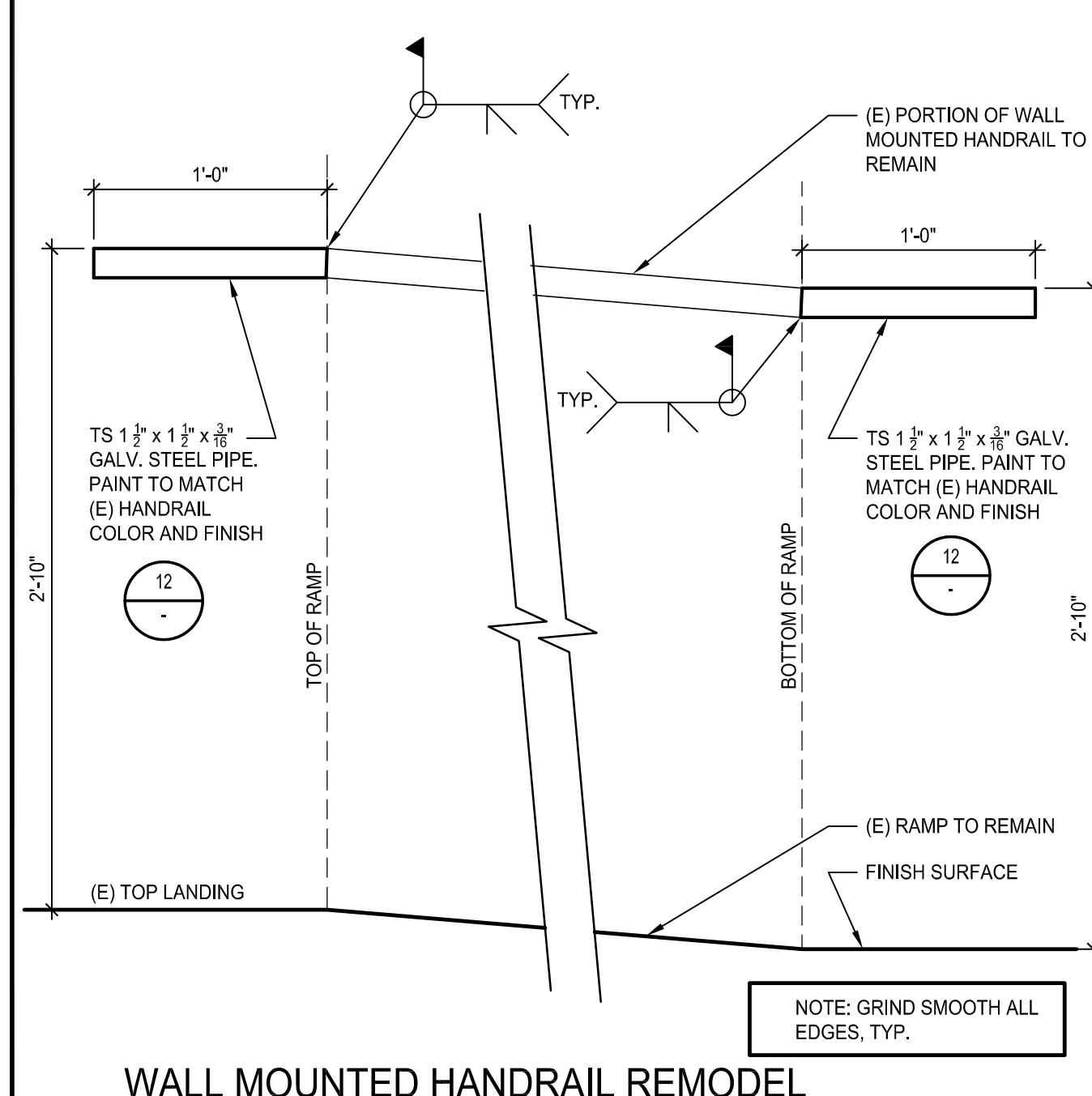
WALL-MOUNTED TOILET ROOM SIGNAGE SCALE: 3" = 1'-0"



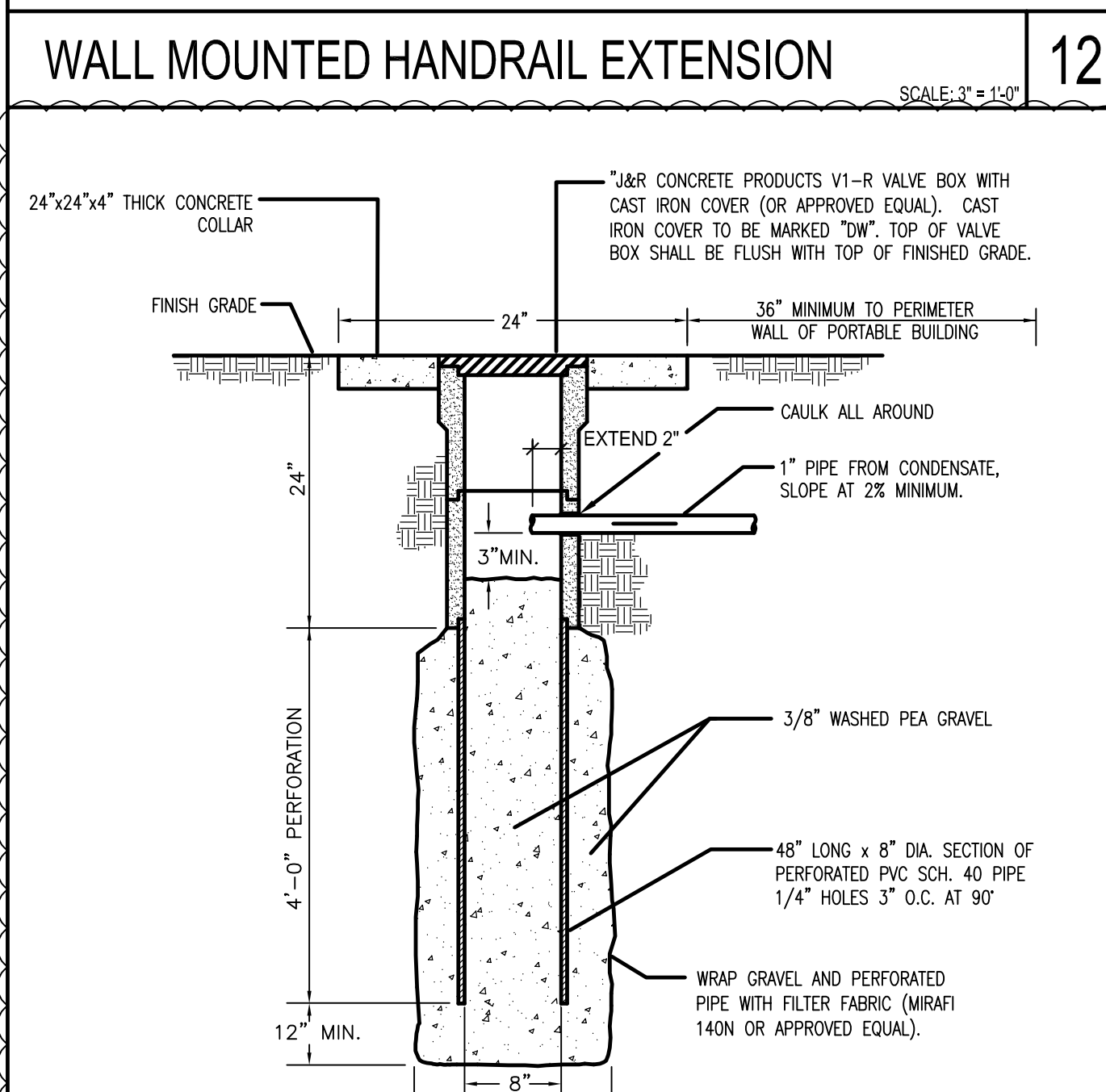
INTERNATIONAL SYMBOL OF ACCESSIBILITY SCALE: HALF



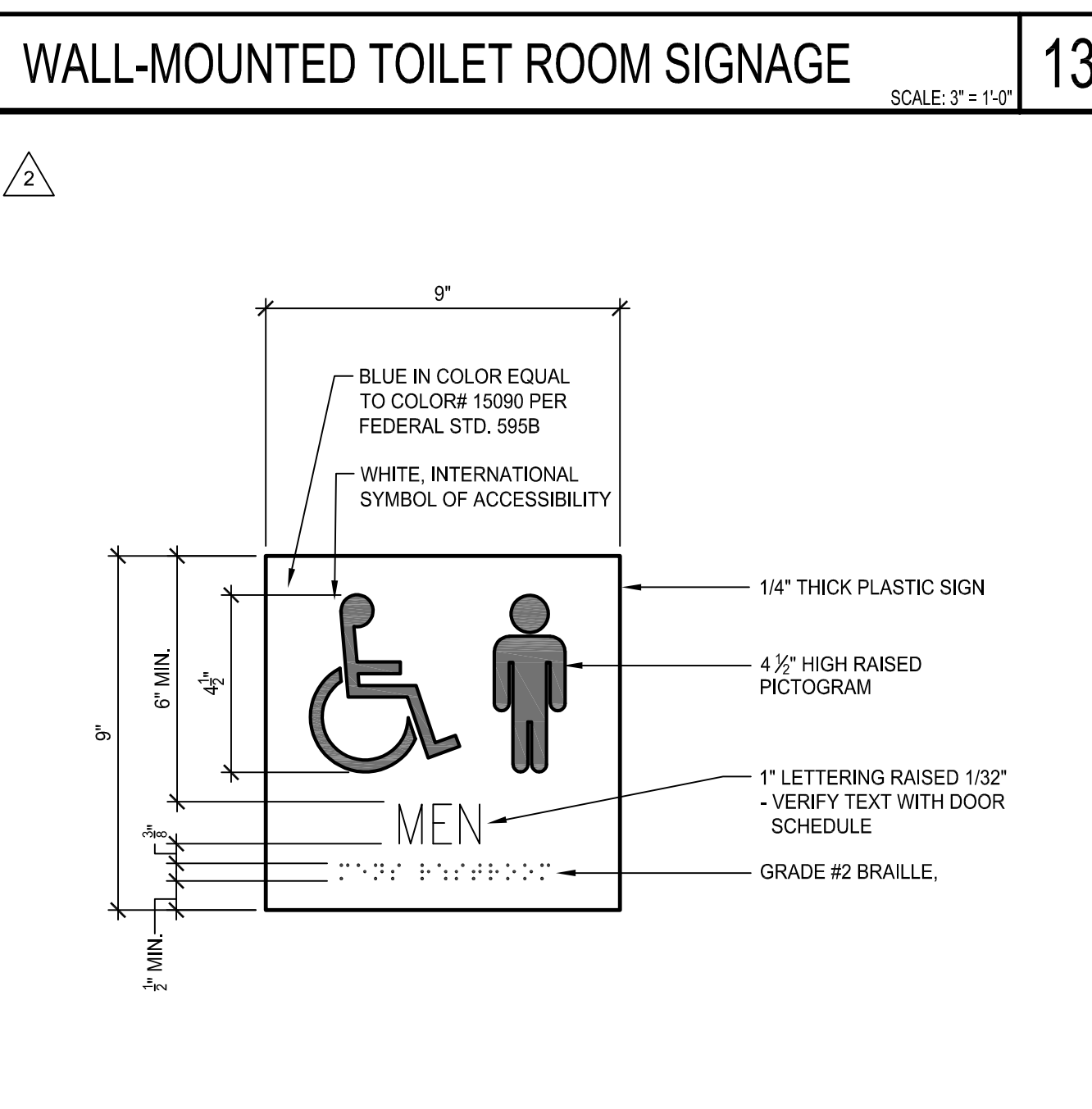
SIGNAGE LOCATION LEGEND SCALE: 1/2" = 1'-0"



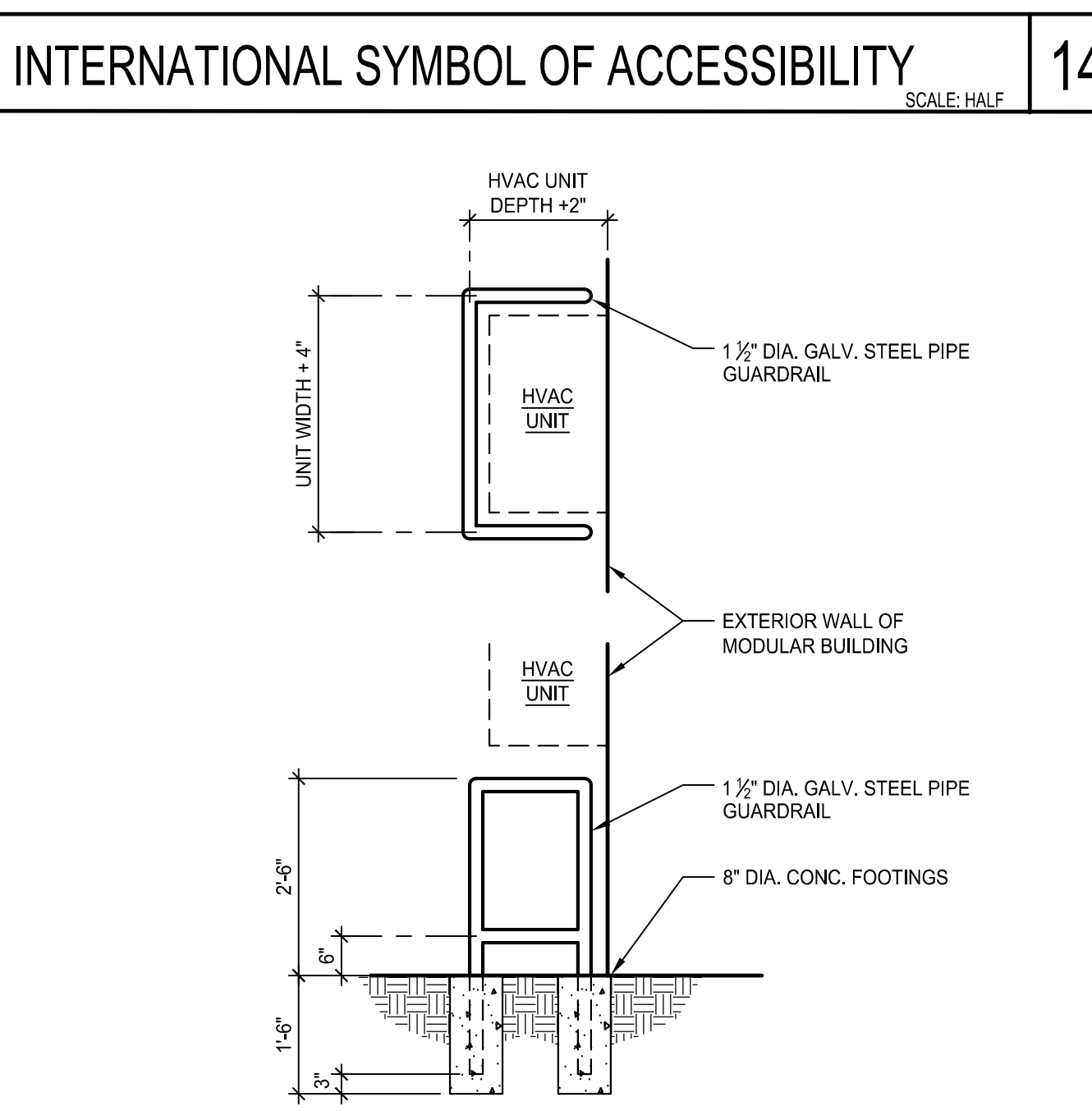
WALL MOUNTED HANDRAIL REMODEL



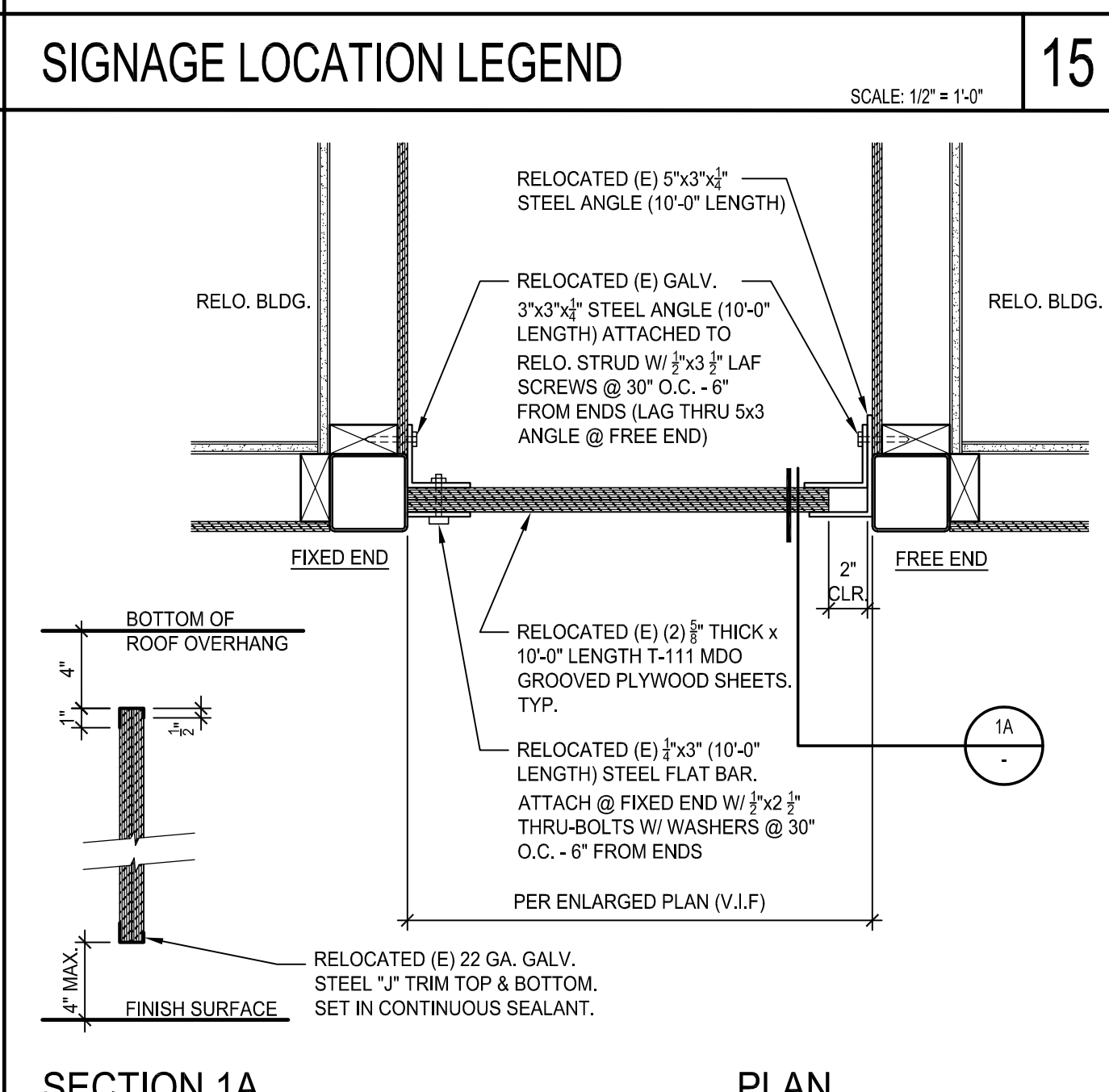
DRYWELL SCALE: 1/2" = 1'-0"



WALL-MOUNTED TOILET ROOM SIGNAGE SCALE: 3" = 1'-0"



HVAC UNIT GUARDRAIL SCALE: 1/2" = 1'-0"



CLOSURE PANEL DETAIL SCALE: 1/2" = 1'-0"

AR 03 - 121306  
DIVISION OF THE STATE ARCHITECT  
355 S. GRAND AVE. SUITE 2100  
LOS ANGELES, CA 90071  
ph: 213.897.3995 fx: 213.897.3159/0726

agency

**tBP**  
architecture  
planning  
interiors

4611 Teller Avenue  
Newport Beach, CA 92660  
ph: 949.673.0300

architect

consultant

**MONTE VISTA ELEMENTARY SCHOOL  
INTERIM HOUSING**

GLENDALE UNIFIED SCHOOL DISTRICT  
2620 ORANGE AVENUE  
LA CRESCENTA - MONTROSE, CALIFORNIA 91214

owner

tBP project number : 21056.00

file name: 2.01.DWG

drawn by: - checked by:

date: MARCH 10, 2021

Rev: date: description:

4/22/2021 ADDENDUM 2

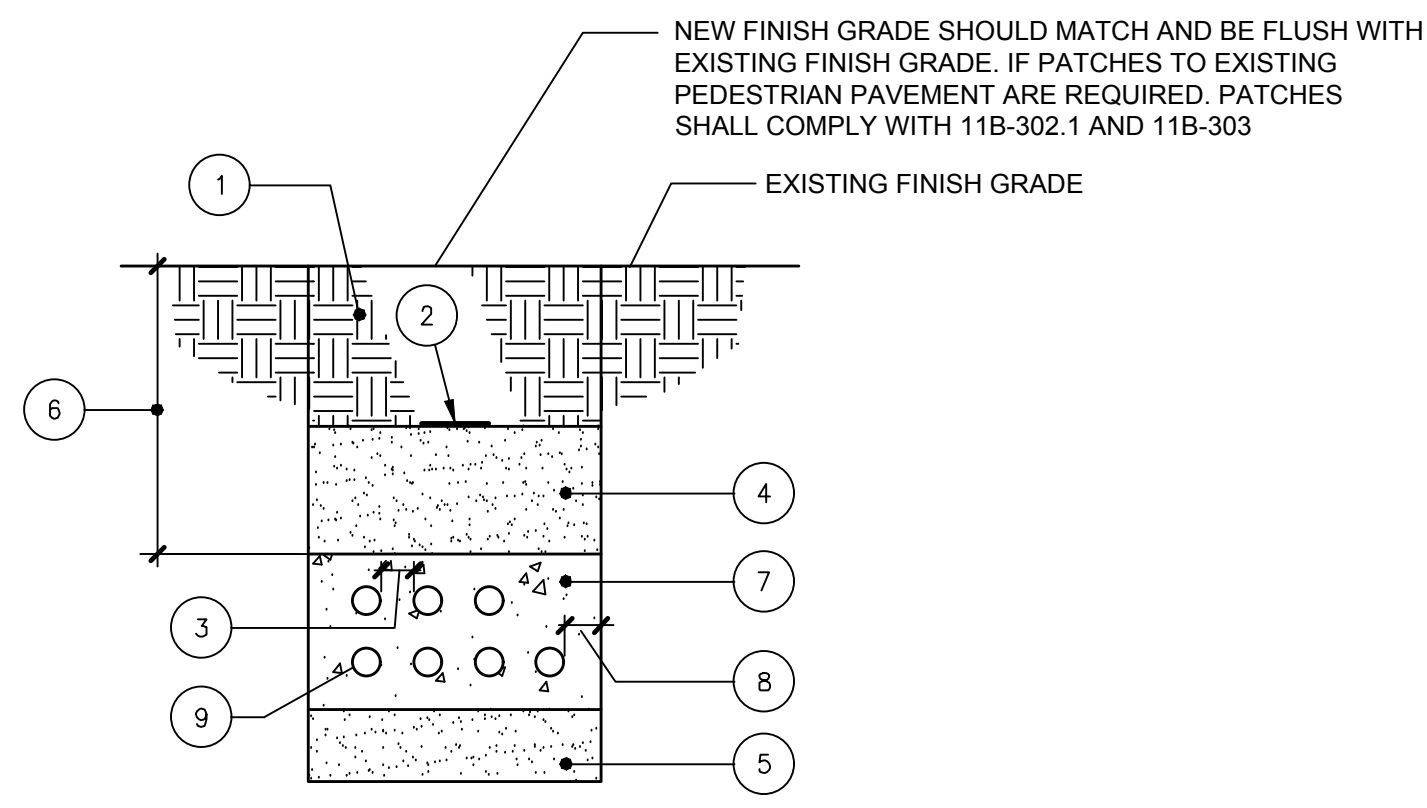
drawing title:

**DETAILS**

drawing no.: **2.01**

drawing of



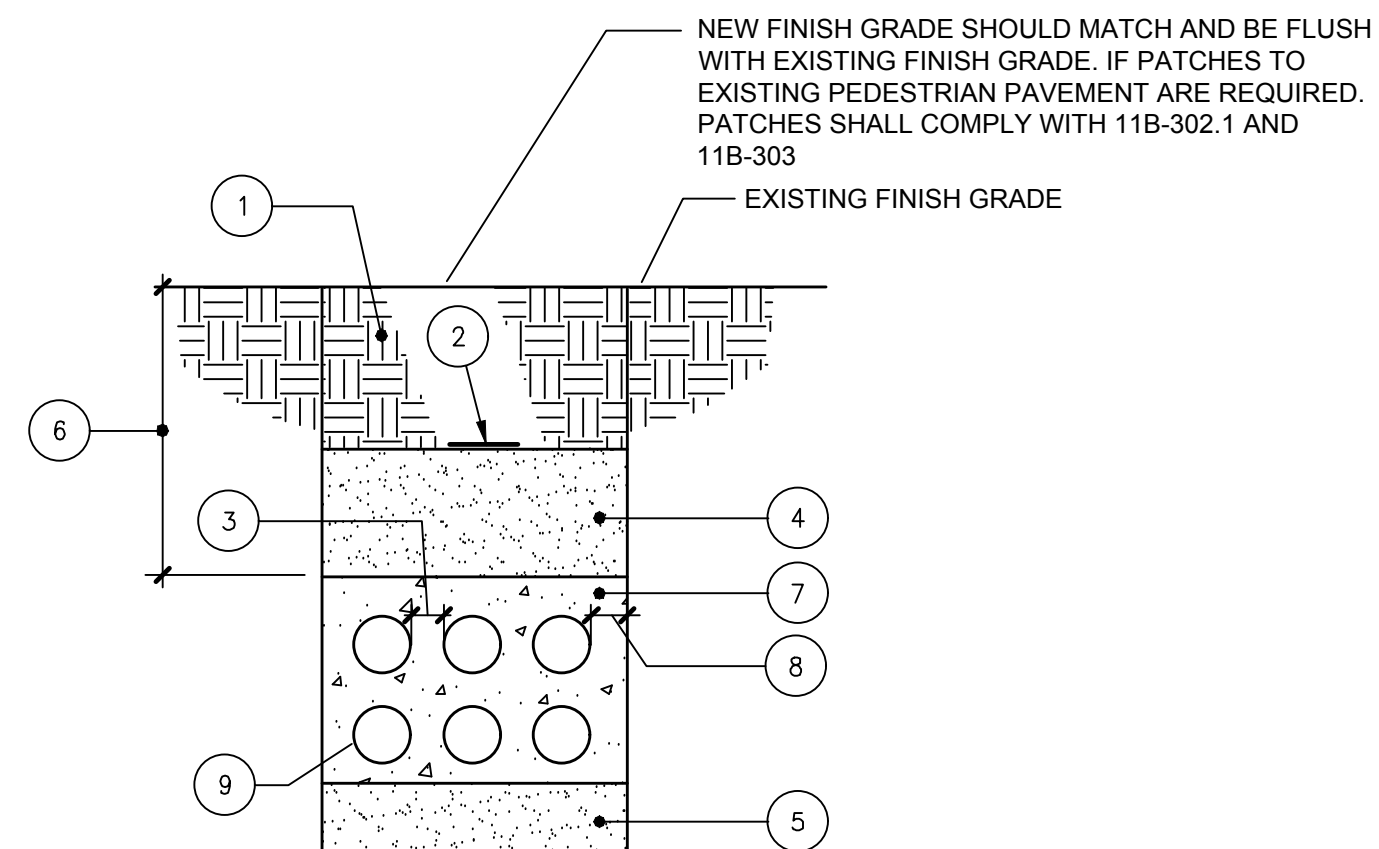


NOTE: SEE SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

DUCT BANK NOTES:

- NATIVE SOIL BACK FILL
- 3" WIDE WARNING TAPE LOCATED 12" BELOW GRADE. TAPE SHALL INDICATE: CAUTION BURIED ELECTRICAL CONDUIT.
- 3" BETWEEN IDENTICAL SYSTEM CONDUITS OR 24" BETWEEN DIFFERENT SYSTEM CONDUITS.
- DAMP SAND BACK FILL TO WITHIN 12" OF FINISH GRADE.
- 6" BED OF DAMP SAND.
- 36" IN TRAFFIC AREAS, 24" IN NON-TRAFFIC AREAS.
- CONCRETE ENCASEMENT.
- 3" MINIMUM COVERAGE.
- REFER TO PLANS FOR CONDUITS SIZE AND QUANTITIES.

SIGNAL CONDUIT DUCT BANK DETAIL SCALE: NTS D

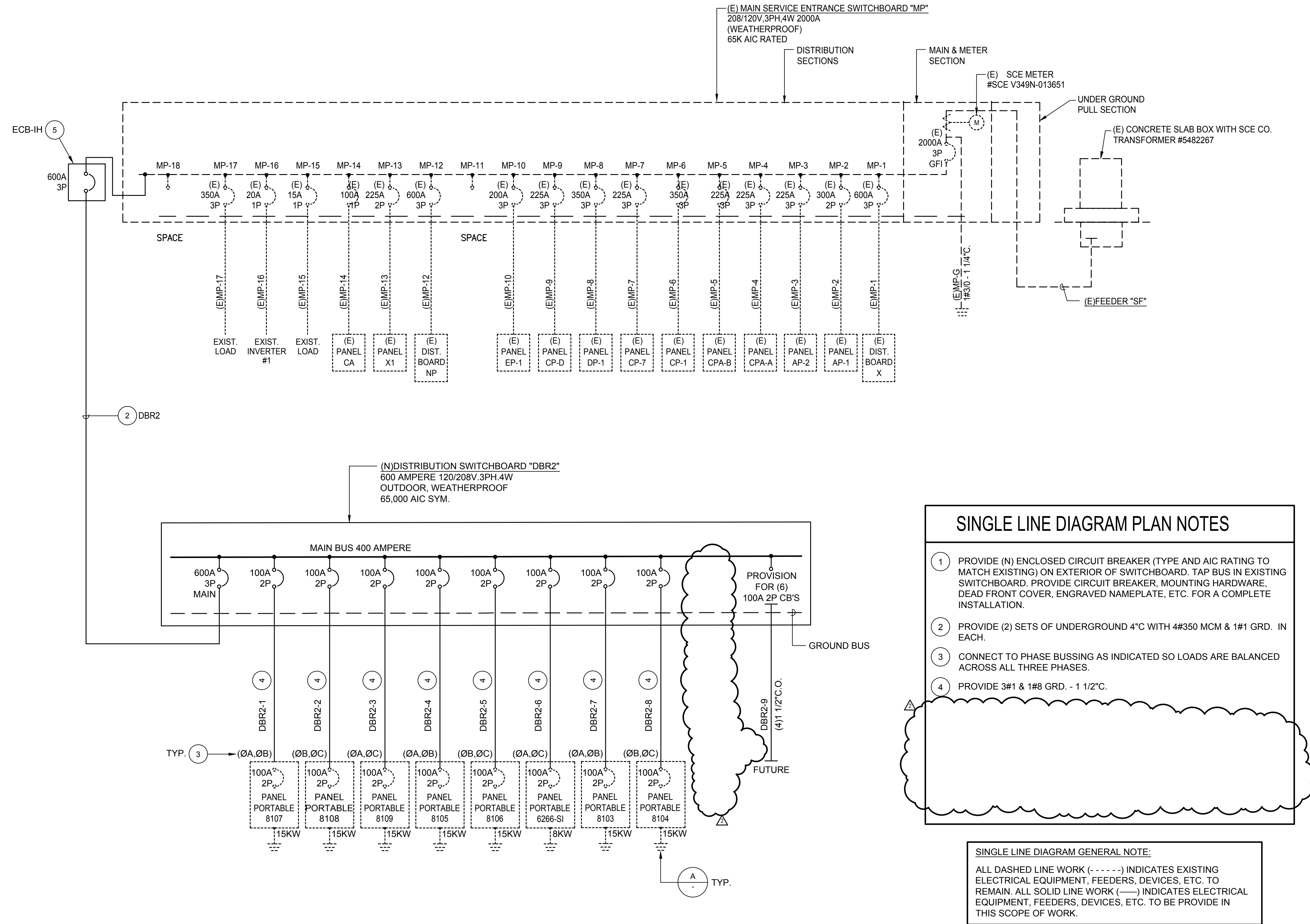


NOTE: SEE SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

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- 6" BED OF DAMP SAND.
- 36" IN TRAFFIC AREAS, 24" IN NON-TRAFFIC AREAS.
- CONCRETE ENCASEMENT.
- 3" MINIMUM COVERAGE.
- REFER TO PLANS FOR CONDUITS SIZE AND QUANTITIES.

ELECTRICAL CONDUIT DUCT BANK DETAIL SCALE: NTS C

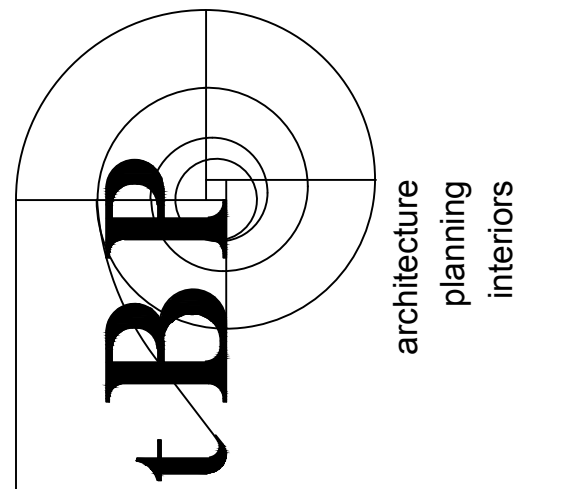


SINGLE LINE DIAGRAM PLAN NOTES

- PROVIDE (N) ENCLOSED CIRCUIT BREAKER (TYPE AND AIC RATING TO MATCH EXISTING) ON EXTERIOR OF SWITCHBOARD. TAP BUS IN EXISTING SWITCHBOARD. PROVIDE CIRCUIT BREAKER, MOUNTING HARDWARE, DEAD FRONT COVER, ENGRAVED NAMEPLATE, ETC. FOR A COMPLETE INSTALLATION.
- PROVIDE (2) SETS OF UNDERGROUND 4" CW WITH #350 MCM & 1#1 GRD. IN EACH.
- CONNECT TO PHASE BUSSING AS INDICATED SO LOADS ARE BALANCED ACROSS ALL THREE PHASES.
- PROVIDE 3#1 & 1#8 GRD. - 1 1/2".

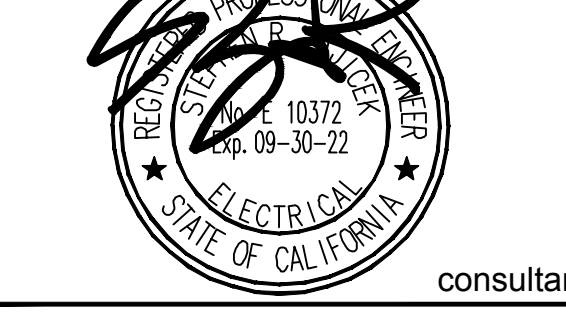
SINGLE LINE DIAGRAM GENERAL NOTE:  
ALL DASHED LINE WORK (----) INDICATES EXISTING ELECTRICAL EQUIPMENT, FEEDERS, DEVICES, ETC. TO REMAIN. ALL SOLID LINE WORK (—) INDICATES ELECTRICAL EQUIPMENT, FEEDERS, DEVICES, ETC. TO BE PROVIDED IN THIS SCOPE OF WORK.

AP 03 - 121306  
DIVISION OF THE STATE ARCHITECT  
355 S. GRAND AVE, SUITE 2100  
LOS ANGELES, CA 90071  
ph: 213.897.3995 fx: 213.897.3150/0726 agency



architecture  
planning  
interiors  
BPP  
4611 Teller Avenue  
Newport Beach, CA 92660  
ph: 949.673.0300  
architect

**FBA Engineering**  
Consulting Electrical Engineers  
158 Palmdale Avenue Suite A130  
Costa Mesa, CA 92626  
(949) 852-2999 • (949) 852-1657 (fax)  
fbaeng.com  
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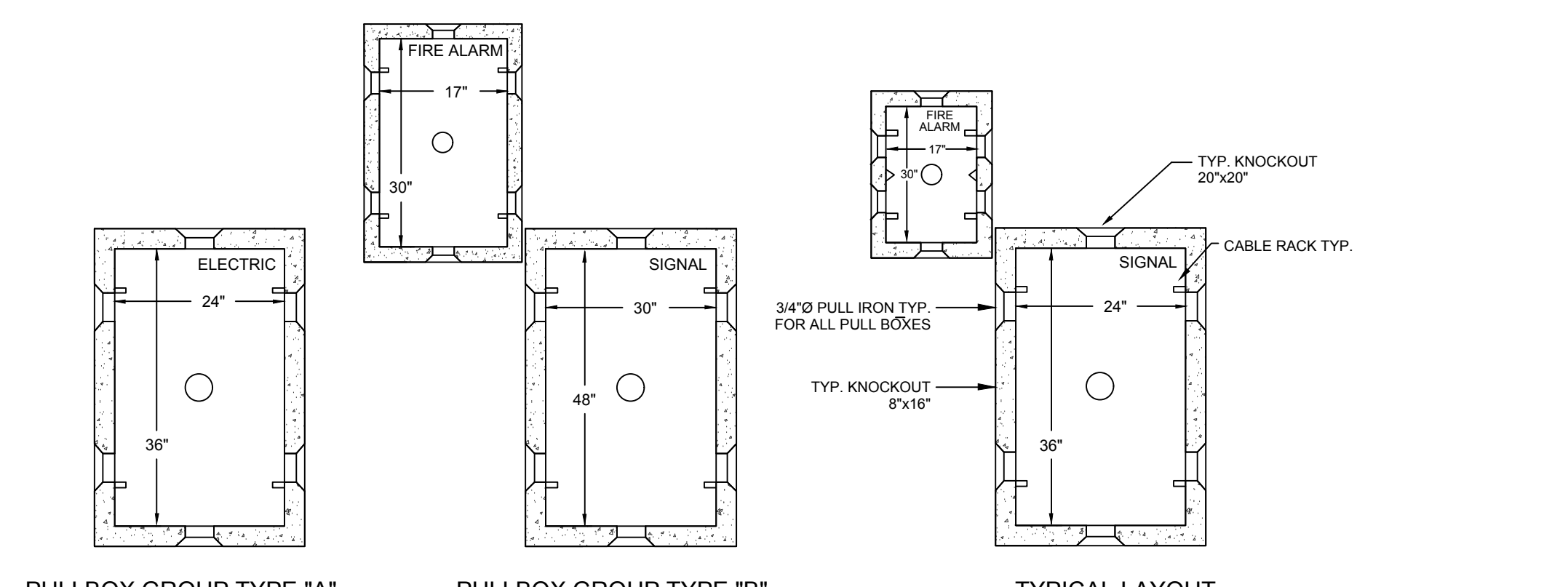
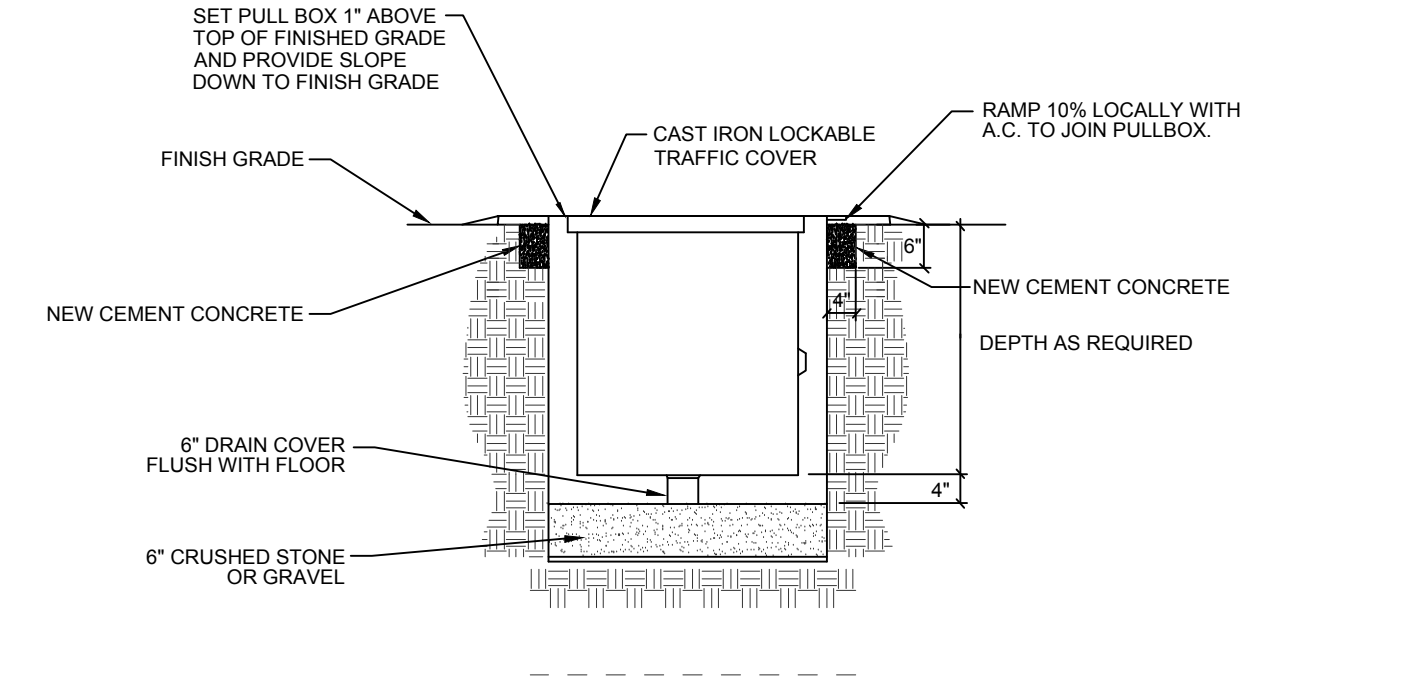
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file name:  
drawn by: checked by:  
date: DECEMBER 28, 2020  
Rev. date: description:  
4/22/2021 ADDENDUM #2

drawing title:  
**SINGLE LINE DIAGRAM  
AND DETAILS**

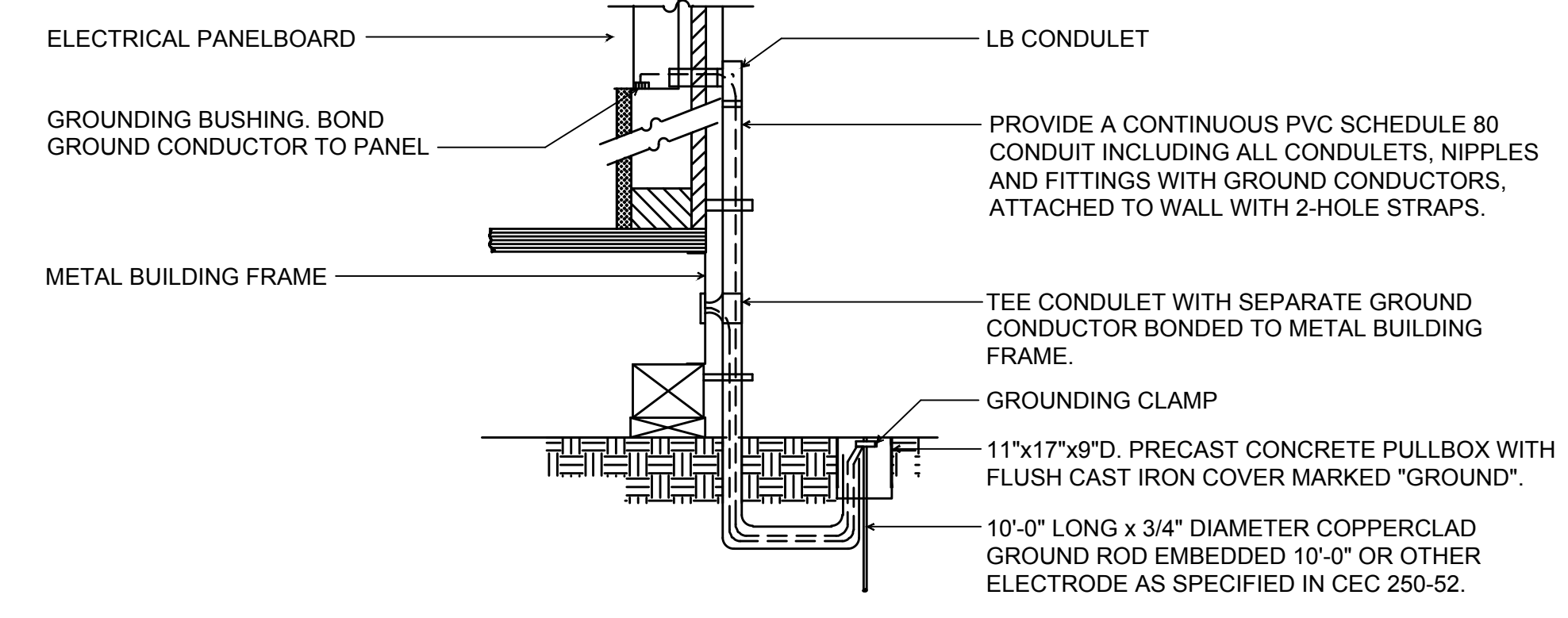
drawing no.:  
**E0-2**  
drawing of

DETAIL NOTES:

- IN THE PRECAST CONCRETE PULL BOXES FINISH AND INSTALL CABLE RACKS ON WALLS INDICATED. EACH RACK SHALL BE EQUIPPED WITH THREE PORCELAIN CABLE HOLDERS ON A VERTICAL STEEL MOUNTING BAR. BOLT HOLES SHALL BE PRE-CAST. PULL BOXES, JENSEN PRECAST OR EQUAL, WITH STAINLESS STEEL FLAT HEAD SCREWS AND SELF-CLEANING HOLES. LOOP ALL CABLES AROUND THE LONGEST LENGTH IN THE PULL BOX.
- PROVIDE NON SLIP COATING ON COVER.
- ALL METAL PARTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
- "BROOKS" YARD BOX OR EQUAL WITH 9 1/2" X 16" I.D. CONCRETE BOX (NO. 3) BODY WITH 3/8" CAST IRON COVER. UTILITY NAME (ELECTRICAL, SIGNAL, FIRE ALARM, ETC.) EMBOSSED 1/8" ABOVE SURFACE. 1" HIGH UPPERCASE.

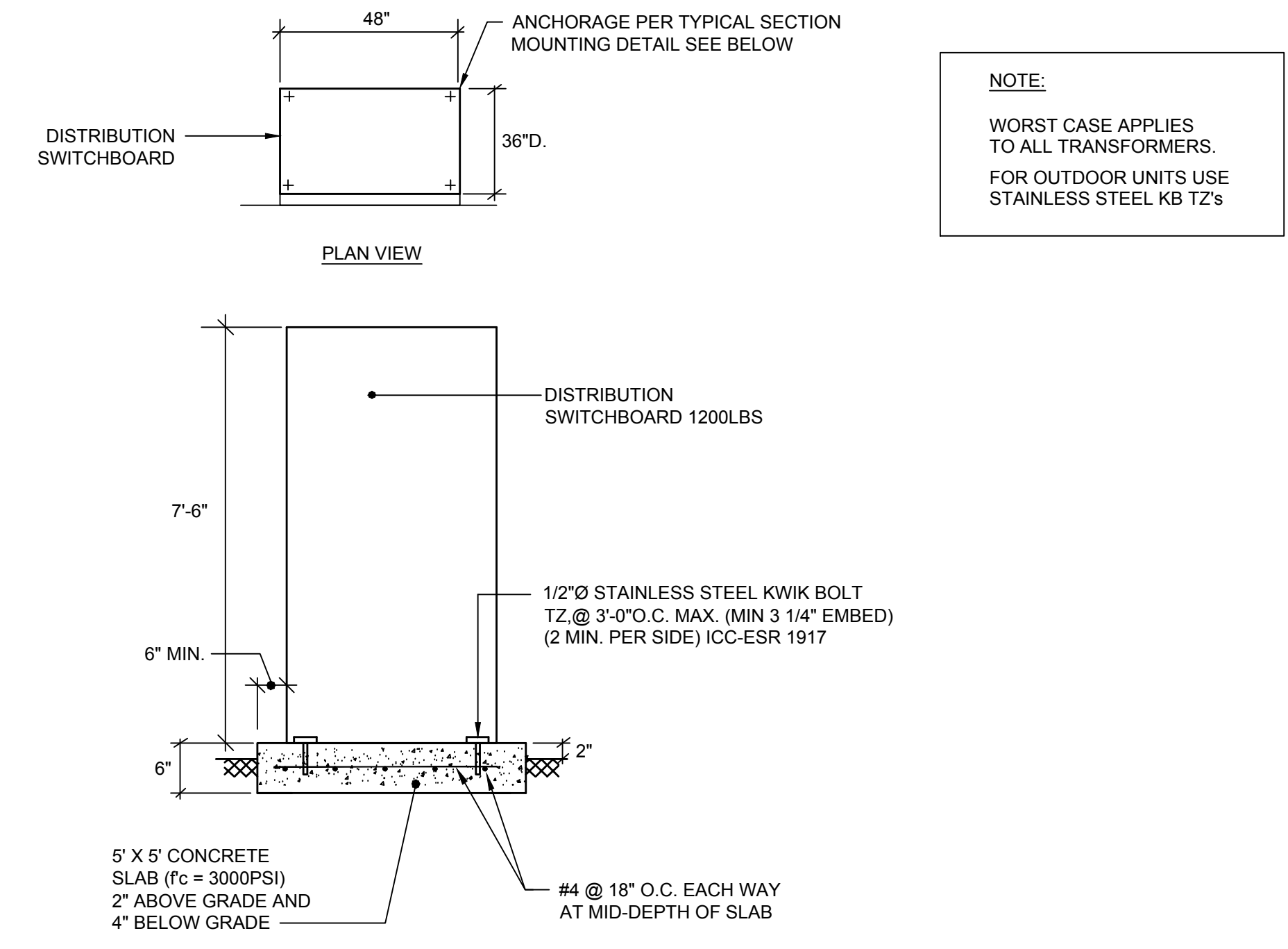


PULLBOX GROUP TYPE "A" PULLBOX GROUP TYPE "B" TYPICAL LAYOUT SCALE: NTS B

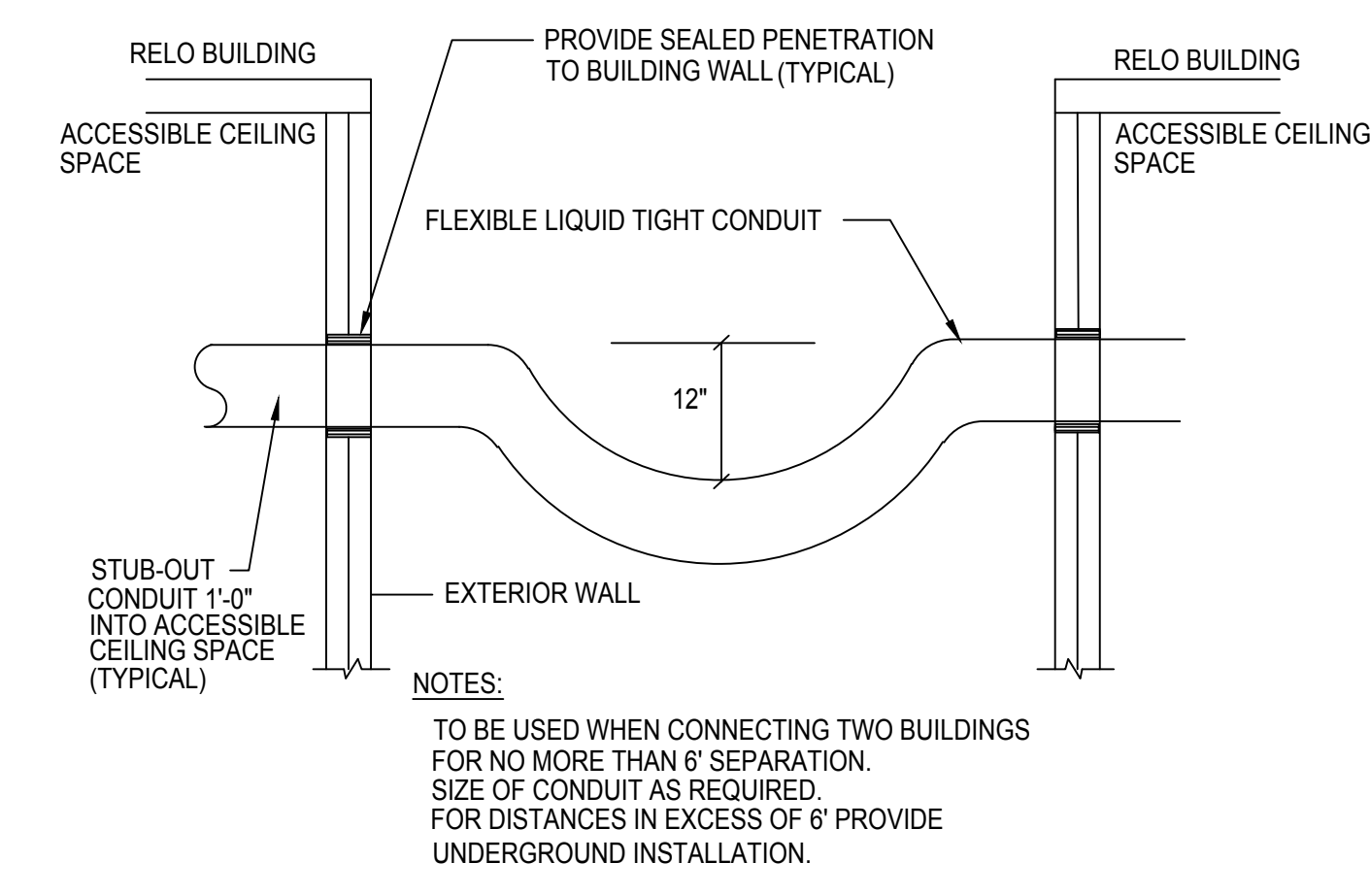


- NOTES:
- SIZE OF CONDUCTORS SHALL COMPLY WITH CEC, TABLE 250-66.
  - BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL, AND TO METAL BUILDING FRAME (CEC 250-104). PROVIDE BONDING CONDUCTOR BETWEEN THE BUILDING FRAME AND THE STEEL RAMP. IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL CONDUCTOR GROUND TO METAL WATER PIPE EMBEDDED AT LEAST 10 FEET INTO THE SOIL IF AVAILABLE (CEC 250-90 THROUGH 250-106).
  - ALL MODULES OF METAL FRAME BUILDINGS AND RAMPS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING).
  - CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN, SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (CEC 250-56).
  - SEE SPECIFICATIONS FOR TESTING OF GROUNDING REQUIRED.
  - STEEL RAMP(S) SHALL BE BONDED TO THE BUILDING FRAME.
  - ALL ELECTRICAL WORK TO MEET THE REQUIREMENTS OF THE STATE ELECTRICAL CODES, PART 3 OF TITLE 24, CAC, WHICH REQUIRES PROPER GROUNDING OF ALL ELECTRICAL CIRCUITS, EQUIPMENT, ETC. FOR PUBLIC SCHOOL BUILDING(S), REGARDLESS OF THE TYPE OF CONSTRUCTION.
  - METAL MODULAR BUILDINGS. WHEN METAL BUILDINGS ARE MADE OF COMPONENTS, EACH BUILDING COMPONENT, INCLUDING STEEL RAMPS, MUST BE ELECTRICALLY BONDED TOGETHER IN A MANNER ACCEPTABLE TO OSASS. PAINT ON THE SURFACE WILL INHIBIT PASSAGE OF ELECTRICAL CURRENT; THEREFORE, BOLTED CONNECTIONS OF COMPONENT PARTS ARE NOT AN ACCEPTABLE BONDING.
  - METAL MODULAR BUILDINGS. IN METAL FRAME MODULAR BUILDINGS, THE ELECTRICAL SYSTEM MUST BE GROUNDING AS REQUIRED IN TITLE 24, CAC.
  - GROUNDING. THE ELECTRICAL CIRCUITS ARE USUALLY PROPERLY GROUNDING. HOWEVER, IT IS ALSO NECESSARY TO INDEPENDENTLY GROUND THE STEEL FRAMES. THIS IS PARTICULARLY IMPORTANT WHEN THE BUILDING IS SUPPORTED ON A FOUNDATION MADE OF WOOD.
  - ALL BUILDING COMPONENTS MUST BE ELECTRICALLY BONDED TOGETHER AND MUST BE INDEPENDENTLY GROUNDING. ALL GROUNDING SYSTEMS ARE TO BE TESTED WITH A MEGGER UNIT OR IN AN OTHERWISE ACCEPTABLE MANNER. REFER TO SECTIONS 250-90 THROUGH 250-106, CALIFORNIA ELECTRICAL CODE, FOR SPECIFIC GROUNDING REQUIREMENTS. TESTING SHALL BE WITNESSED BY PROJECT INSPECTOR. SUBMIT A COPY OF THE REPORT TO THE ARCHITECT.

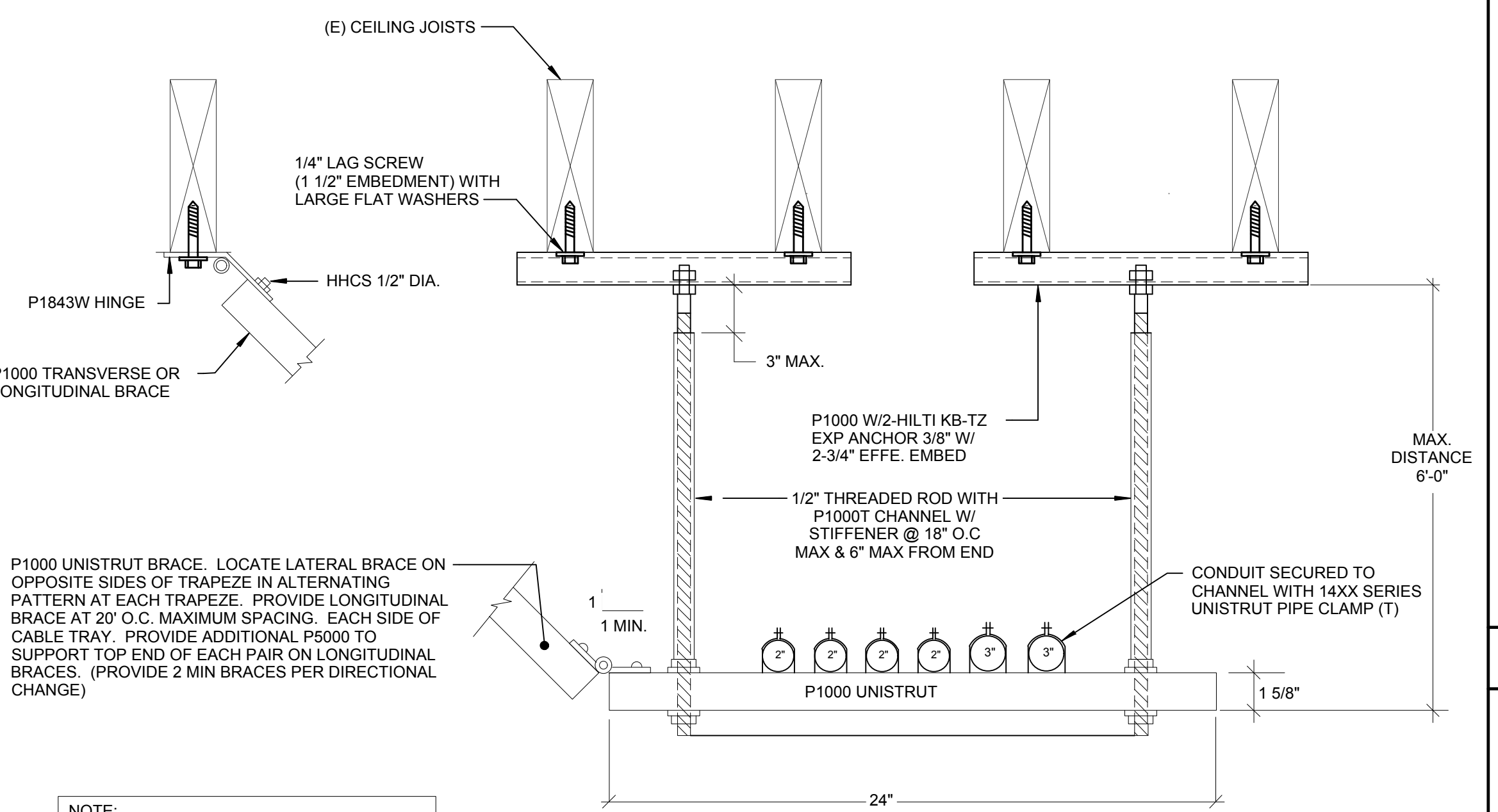
MODULAR BUILDING GROUND DETAIL SCALE: NTS A



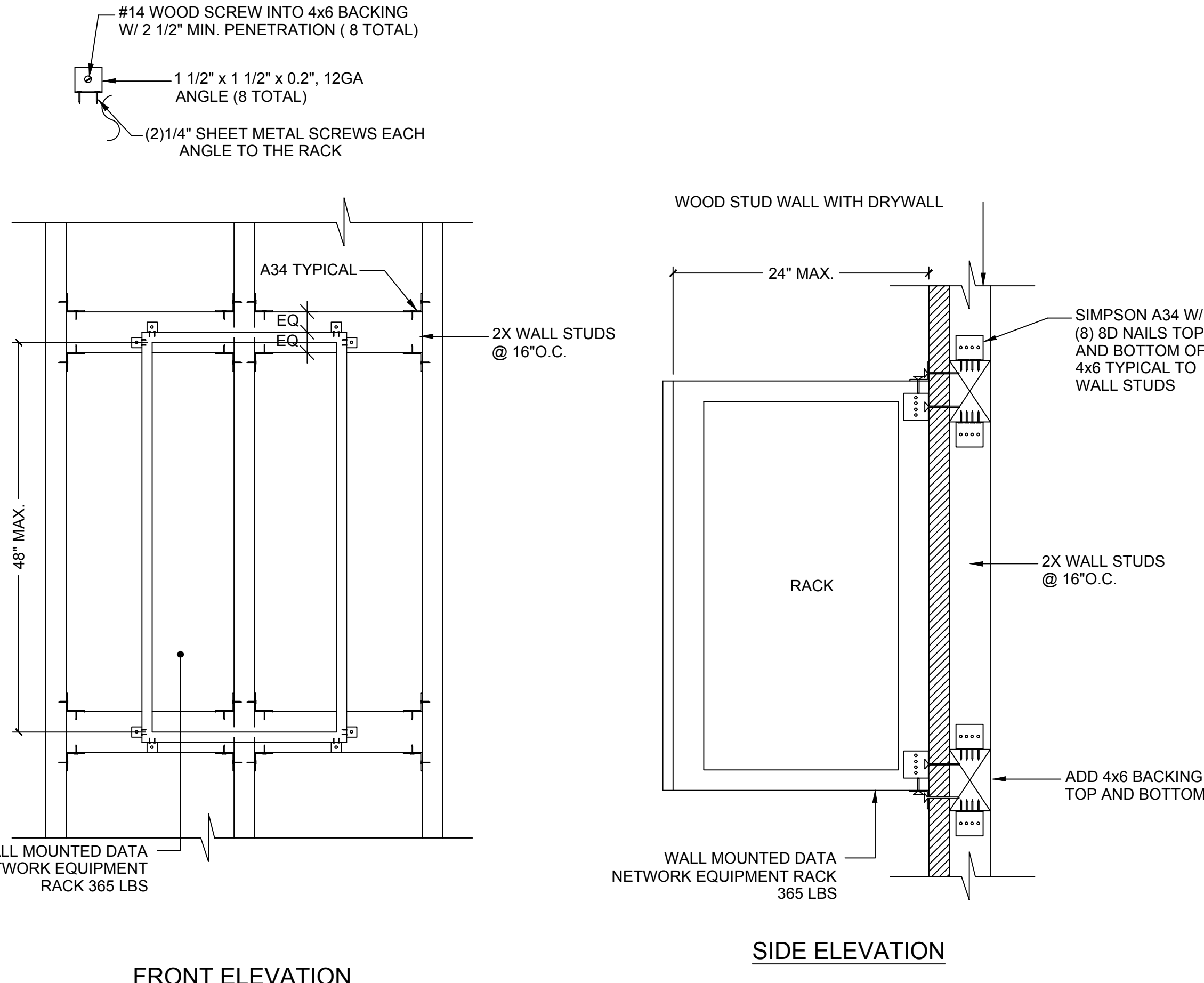
**DISTRIBUTION BOARD ANCHORAGE DETAIL** SCALE: NTS C



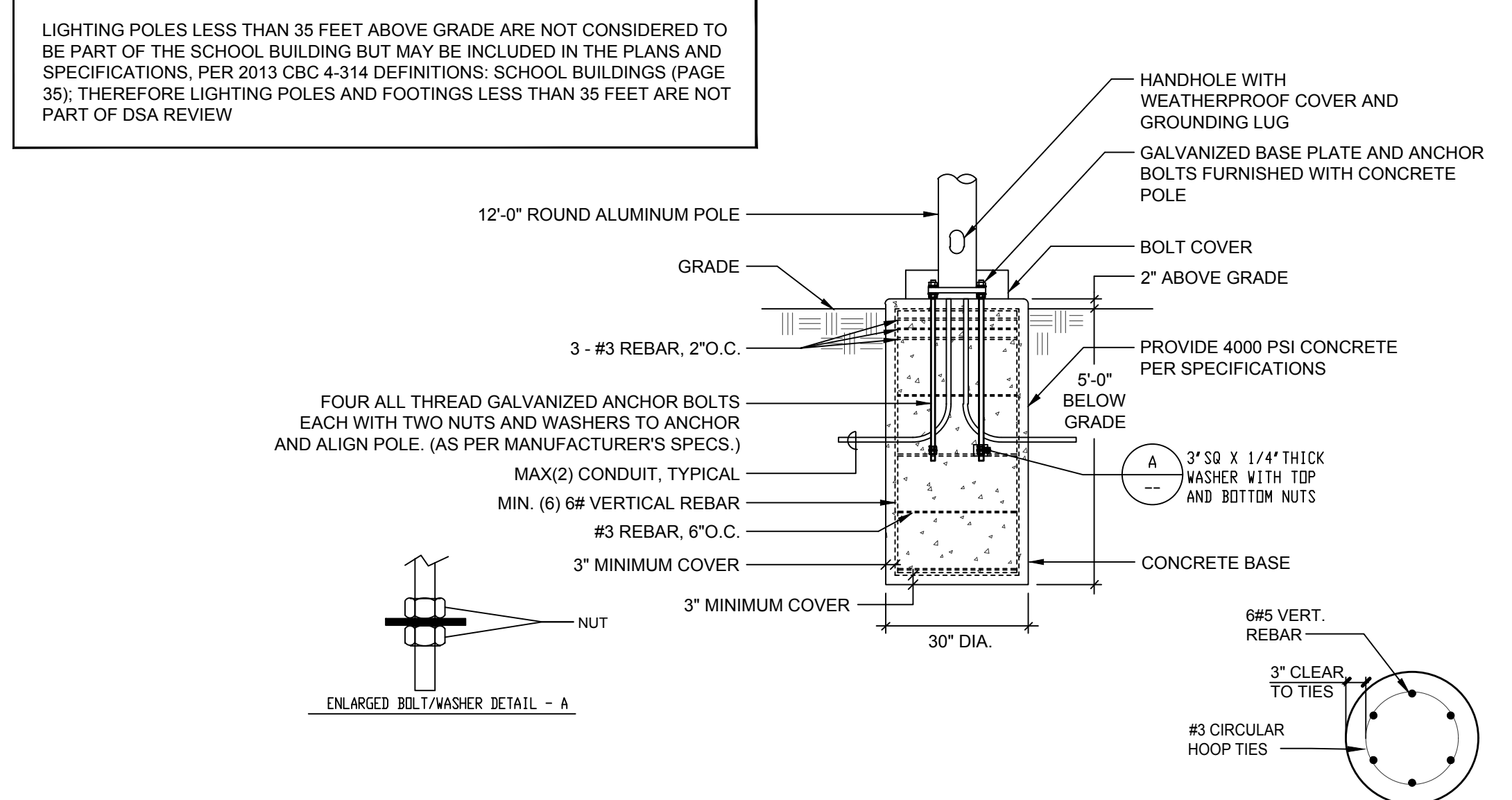
**CONDUIT SLEEVE SEISMIC DETAIL** SCALE: NTS B



**CONDUIT SUPPORT DETAIL** SCALE: N.T.S. E

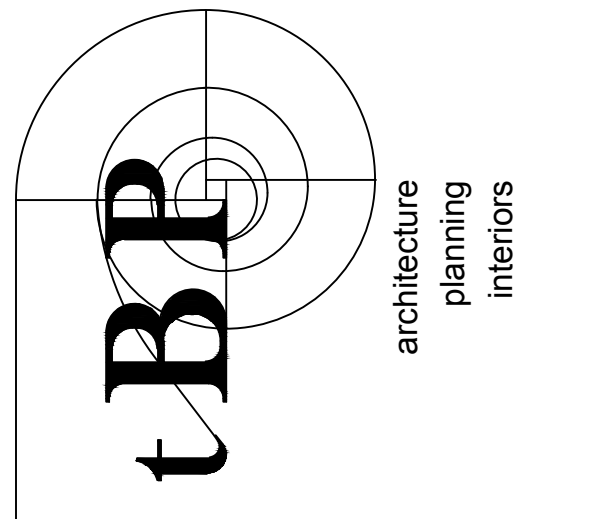


**TYPICAL WALL MOUNTED DATA EQUIPMENT RACK** SCALE: NTS A



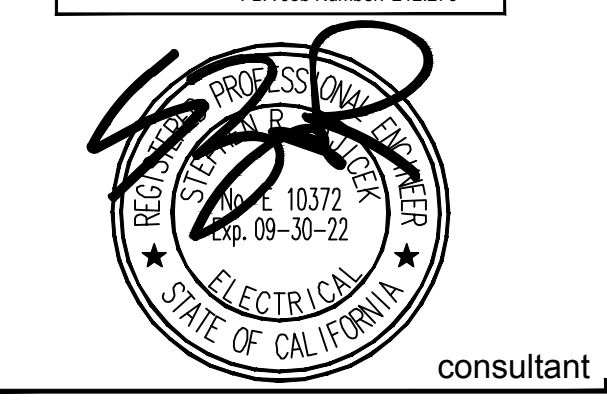
**WALKWAY POLE BASE DETAIL** SCALE: N.T.S. D

AP 03 - 121306  
DIVISION OF THE STATE ARCHITECT  
355 S. GRAND AVE. SUITE 2100  
LOS ANGELES, CA 90071  
ph: 213.897.3995 fx: 213.897.3159/0726



agency  
BPP  
architecture  
planning  
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tBP/Architecture  
4811 Teller Avenue  
Newport Beach, CA 92660  
ph: 949.673.0300

architect  
**FBA Engineering**  
Consulting Electrical Engineers  
150 Palmdale Avenue Suite A120  
Costa Mesa, CA 92626  
949.852.9999 • 949.852.1657 (fax)  
fbaeng.com  
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consultant  
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GLENDALE UNIFIED SCHOOL DISTRICT  
2620 ORANGE AVENUE  
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owner

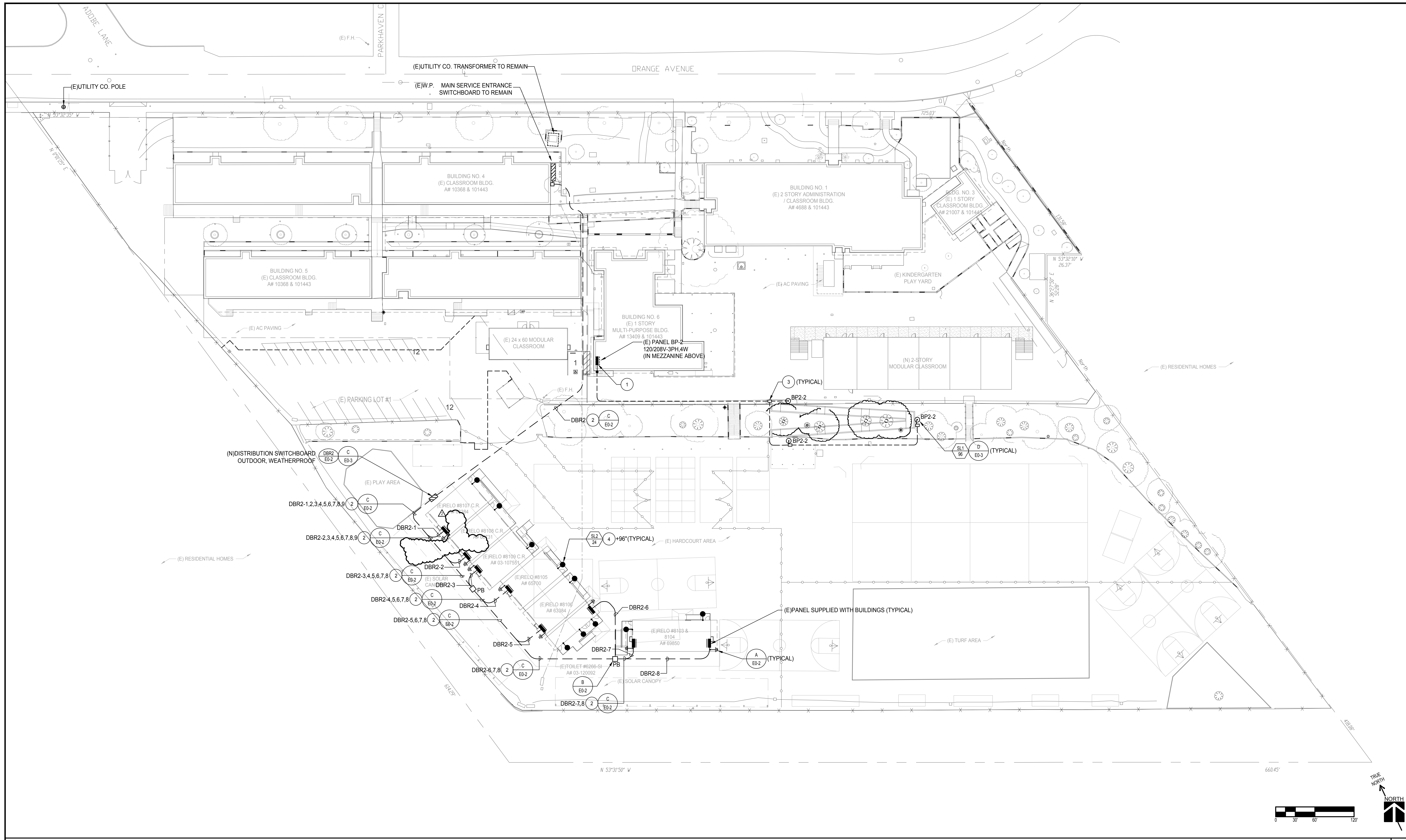
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file name:  
drawn by: checked by:  
date: DECEMBER 28, 2020  
Rev. date: description:  
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drawing title:  
**ELECTRICAL DETAILS**

drawing no.:  
**E0-3**  
drawing of





ELECTRICAL SITE PLAN 1  
SCALE: 1"=30'-0"

**SITE PERFORMANCE NOTES**

- ELECTRICAL CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY THIS OR ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DISTRICT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- REFER TO CIVIL ENGINEER'S GRADING PLANS FOR NEW GRADES. AT ALL EXISTING TO REMAIN PULLBOXES/VAULTS, ADJUST HEIGHT OF PULLBOX/VAULT COVER TO BE FLUSH WITH NEW GRADE OR FINISHED SURFACE. PROVIDE ADDITIONAL NECKING TO COMPLY WITH THIS PROVISION.
- ALL NEW AND EXISTING PULLBOX/VAULT COVERS INDICATED ON THESE PLANS, SHALL HAVE A NON-SLIP COATING, JENSEN "TRAX PLATE" OR EQUIVALENT.
- ALL NEW ELECTRICAL/COMMUNICATIONS DUCT BANKS SHALL BE INSTALLED 24" MIN. BELOW FINISH GRADE. SEE DETAILS D & E ON E-02.
- ALL NEW AND EXISTING CONDUIT CABLING AND CONDUCTOR RUNS ARE SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AND PROVIDE ALL CABLING/CONDUCTORS OF SUFFICIENT LENGTH FOR COMPLETE END TO END CONNECTIONS.

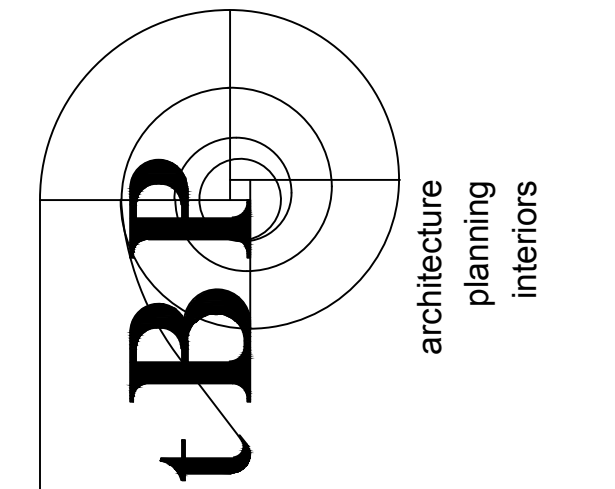
**PLAN NOTES**

- PROVIDE AND INSTALL NEW ASTRONOMIC TIME CLOCK MOUNTED ADJACENT TO EXISTING PANELBOARD FOR CONTROL OF NEW RAMP LIGHTING. CONNECT TO EXISTING SPARE CIRCUIT BREAKER IN EXISTING PANELBOARD INDICATED. UPDATE PANEL DIRECTORY.
- REFER TO SINGLE LINE DIAGRAM FOR FEEDER REQUIREMENTS.
- PROVIDE 17" x 30" x 36" DEEP PRECAST CONCRETE PULLBOX WITH BOLT DOWN SLIP RESISTANT COVER. LABEL COVER TO READ "LIGHTING".
- DISCONNECT AND REMOVE EXISTING WALL MOUNTED LIGHTING FIXTURE. PRESERVE BRANCH WIRING AND MOUNTING BOX FOR CONNECTION TO NEW FIXTURE INDICATED. PROVIDE AND INSTALL NEW FIXTURE INDICATED ONTO EXISTING MOUNTING BOX AND CONNECT TO EXISTING BRANCH CIRCUIT WIRING AND CONTROLS.

**LEGEND**

- (N) NEW
- (E) EXISTING
- PB PULLBOX

AP 03 - 121306  
DIVISION OF THE STATE ARCHITECT  
355 S. GRAND AVE. SUITE 2100  
LOS ANGELES, CA 90071  
ph: 213.897.3995 fx: 213.897.3150/0726

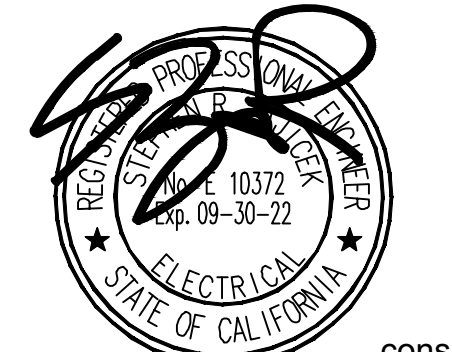


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4611 Teller Avenue  
Newport Beach, CA 92660  
ph: 949.673.0300

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150 Palisades Avenue Suite A130  
Costa Mesa, CA 92626  
949.852.9995 • 949.852.1657 (fax)  
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INTERIM HOUSING**

GLENDALE UNIFIED SCHOOL DISTRICT  
2620 ORANGE AVENUE  
LA CRESCENTA - MONTROSE, CALIFORNIA 91214

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tBP project number : 2166.00

file name:

drawn by: checked by:

date: DECEMBER 28, 2020

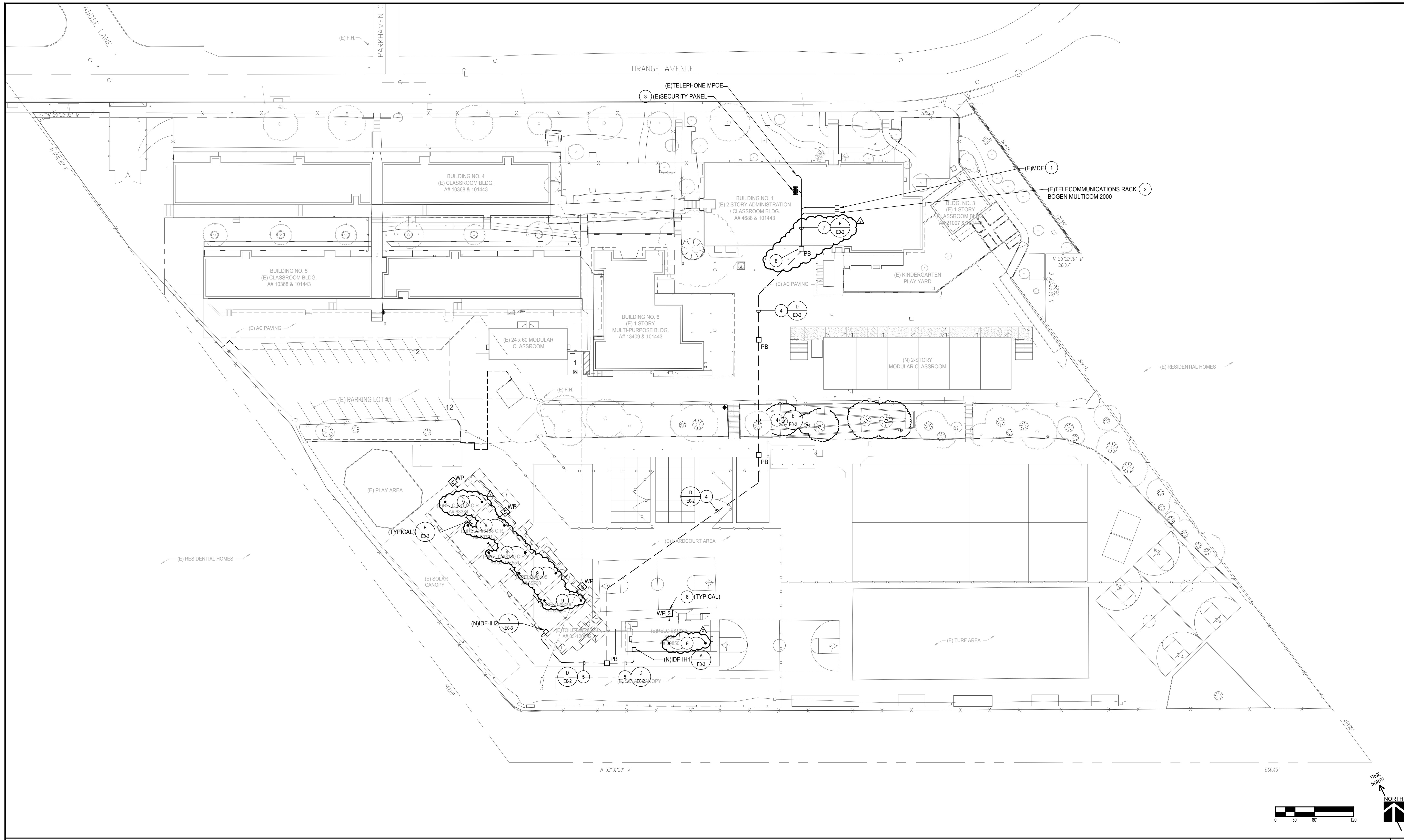
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drawing title:  
**OVERALL SITE  
ELECTRICAL PLAN**

drawing no.:  
**E2-1**  
drawing of



TELECOMMUNICATIONS SITE PLAN 1  
SCALE: 1/8"=1'-0"

**SITE PERFORMANCE NOTES**

- ELECTRICAL CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY THIS OR ANY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DISTRICT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- REFER TO CIVIL ENGINEER'S GRADING PLANS FOR NEW GRADES. AT ALL EXISTING TO REMAIN PULLBOXES/VAULTS, ADJUST HEIGHT OF PULLBOX/VAULT COVER TO BE FLUSH WITH NEW GRADE OR FINISHED SURFACE. PROVIDE ADDITIONAL NECKING TO COMPLY WITH THIS PROVISION.
- ALL NEW AND EXISTING PULLBOX/VAULT COVERS INDICATED ON THESE PLANS, SHALL HAVE A NON-SLIP COATING, JENSEN "TRAX PLATE" OR EQUIVALENT.
- ALL NEW ELECTRICAL/COMMUNICATIONS DUCT BANKS SHALL BE INSTALLED 24" MIN. BELOW FINISH GRADE. SEE DETAILS D & E ON E-0.2.
- ALL NEW AND EXISTING CONDUIT CABLING AND CONDUCTOR RUNS ARE SHOWN DIAGRAMMATICALLY. CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AND PROVIDE ALL CABLING/CONDUCTORS OF SUFFICIENT LENGTH FOR COMPLETE END TO END CONNECTIONS.

**PLAN NOTES**

- MODIFY THE EXISTING MDF TO ACCOMMODATE THE NEW CONSTRUCTION.
- MODIFY THE EXISTING TELECOMMUNICATIONS RACK TO ACCOMMODATE THE NEW CONSTRUCTION. PROVIDE ALL COMPONENTS AND PROGRAMMING FOR A COMPLETE INSTALLATION.
- REPLACE THE EXISTING SECURITY PANEL WITH A NEW SECURITY PANEL IN ACCORDANCE WITH THE DISTRICT STANDARDS.
- PROVIDE THE FOLLOWING UNDERGROUND TELECOMMUNICATIONS CONDUIT AND CABLING AS SPECIFIED:  
(1) 1 1/2" CONDUIT FIBER/COMPUTER/DATA (TWO (2) SETS 12 STRAND SINGLE MODE FIBER)  
(1) 3" CONDUIT PUBLIC ADDRESS/PAGING/CLOCK  
(1) 2" CONDUIT TELEPHONE  
(1) 2" CONDUIT INTRUSION DETECTION  
(2) 2" CONDUIT SPARE

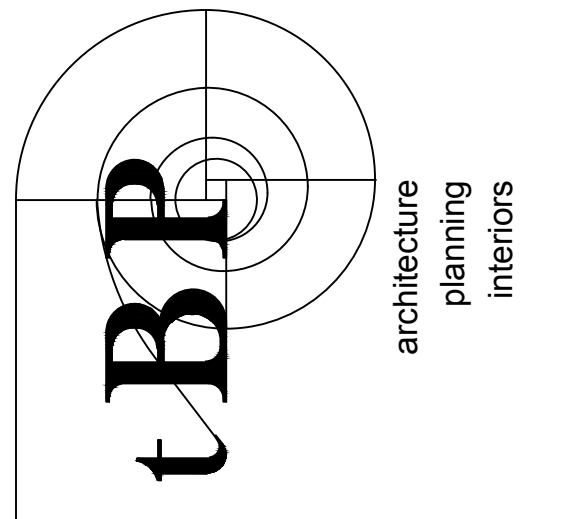
- PROVIDE THE FOLLOWING UNDERGROUND TELECOMMUNICATIONS CONDUIT AND CABLING AS SPECIFIED:  
(1) 2" CONDUIT FIBER/COMPUTER/DATA (ONE (1) SET 12 STRAND SINGLE MODE FIBER)  
(1) 3" CONDUIT PUBLIC ADDRESS/PAGING/CLOCK  
(1) 1 1/2" CONDUIT TELEPHONE  
(1) 1 1/2" CONDUIT INTRUSION DETECTION  
(2) 1 1/2" CONDUIT SPARE
- PROVIDE AND INSTALL NEW WEATHERPROOF PUBLIC ADDRESS/PAGING SPEAKER TO MATCH EXISTING USED ON CAMPUS. PROVIDE DEVICE, MOUNTING BOX, CONDUIT, CABLING, PROGRAMMING ETC. FOR A COMPLETE AND OPERABLE SYSTEM.
- PROVIDE THE FOLLOWING TELECOMMUNICATIONS CONDUIT AND CABLING AS SPECIFIED:  
(1) 3" CONDUIT FIBER/COMPUTER/DATA  
(1) 3" CONDUIT PUBLIC ADDRESS/PAGING/CLOCK  
(1) 2" CONDUIT TELEPHONE  
(1) 2" CONDUIT INTRUSION DETECTION  
(2) 2" CONDUIT SPARE  
ROUTE CONDUIT CONCEALED IN CEILING SPACE OF EXISTING BUILDING. ROUTE CONDUITS TO AVOID EXISTING OBSTACLES.

- PROVIDE AND INSTALL NEW WALL MOUNTED WEATHERPROOF SIGNAL SYSTEMS PULLBOX WITH SCREW COVER. COVER TO READ "SIGNAL SYSTEMS". RISER CONDUIT EXPOSED ON THE EXTERIOR OF BUILDING TO ABOVE EXISTING CEILING SPACE. SEAL ALL WALL PENETRATIONS. PAINT TO MATCH SURROUNDING SURFACES.
- RECONNECT TO THE FOLLOWING EXISTING SYSTEMS IN EACH CLASSROOM:  
(1) INTRUSION DETECTION SENSOR  
(1) INTRUSION DETECTION DOOR CONTACT  
(1) PUBLIC ADDRESS SPEAKER  
(1) CLOCK  
(1) CLASS PASSING PAGING UNIT  
(1) TELEPHONE  
(4) EXTERIOR WEATHERPROOF PUBLIC ADDRESS SPEAKERS

**LEGEND**

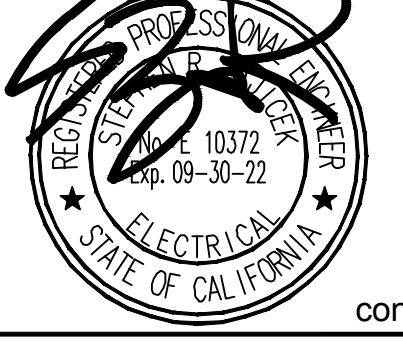
- (N) NEW
- (E) EXISTING
- IDF INTERMEDIATE DISTRIBUTION FRAME
- MDF MAIN DISTRIBUTION FRAME
- MPOE MAIN POINT OF ENTRY

AP 03 - 121306  
DIVISION OF THE STATE ARCHITECT  
355 S. GRAND AVE. SUITE 2100  
LOS ANGELES, CA 90071  
ph: 213.897.3995 fx: 213.897.3159/0726



tBP/Architecture  
4611 Teller Avenue  
Newport Beach, CA 92660  
ph: 949.673.0300

**FBA Engineering**  
Consulting Electrical Engineers  
150 Palisades Avenue Suite A130  
Costa Mesa, CA 92626  
949.852.9900 • 949.852.1657 (fax)  
fbaeng.com  
FBA Job Number: 212.276



**MONTE VISTA ELEMENTARY SCHOOL  
INTERIM HOUSING**  
GLENDALE UNIFIED SCHOOL DISTRICT  
2620 ORANGE AVENUE  
LA CRESCENTA - MONTROSE, CALIFORNIA 91214

tBP project number : 21666.00  
owner

file name:  
drawn by: checked by:  
date: DECEMBER 28, 2020  
Rev. date: description:  
4/22/2021 ADDENDUM #2

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drawing title:  
**OVERALL SITE  
TELECOM PLAN**

drawing no.:  
**E2-2**  
drawing of