



May 9, 2025

## ADDENDUM NO. 01

TO THE CONTRACT DOCUMENTS

**FOR**

COLTON MIDDLE SCHOOL – INTERIM HOUSING

**FOR THE**

COLTON JOINT UNIFIED SCHOOL DISTRICT  
777 W. VALLEY BLVD  
COLTON CA. 92324

DSA #04-124403

RCA Project No. 1-15-118

### NOTICE TO BIDDERS

This Addendum forms a part of the Contract and modifies the original documents of DSA Approved on April 3, 2025. It is intended that all work affected by the following modifications shall conform with related provisions and general conditions of the contract of the original drawings and specifications. Modify the following items wherever appearing in any drawing or sections of the specifications. Acknowledge receipt of Addendum No. 01 in the space provided on the Bid Form. Failure to do so may subject bidder to disqualification.

### CHANGES TO SPECIFICATIONS

- |              |  |
|--------------|--|
| Item No. 1.1 | Reference Section – 00 01 10 – TABLE OF CONTENTS                 |
| 1.1.1        | Added section 01 50 00 – Temporary Facilities and Controls.      |
| Item No. 1.2 | Reference Section – 01 50 00 – TEMPORARY FACILITIES AND CONTROLS |
| 1.2.1        | Section added to specifications                                  |

### CHANGES TO THE DRAWINGS

- |               |  |
|---------------|--|
| Item No 1.3.1 | Reference Sheet G-1 – Title Sheet & Sheet Index                      |
| 1.3.1         | Added sheets F1.02 and F1.21 to Modtech drawings                     |
| Item No. 1.4  | Reference Sheet AS-1.1 – Overall Site Plan & Code Analysis           |
| 1.4.1.        | Revise per clouded areas of attached sheet and items listed below    |
|               | a) Revised detail callout for gate G1 to correct location            |
|               | b) Revised hardware group No. 2 to include 1 pair of drop rods       |
| Item No. 1.5  | Reference Sheet AS-1.3 – Enlarged Site Plan at Parking Lot Mod       |
| 1.5.1         | Revise per clouded areas of attached sheet and items listed below    |
|               | a) Revised site detail callouts to correct details on civil drawings |
| Item No. 1.6  | Reference Sheet AS-1.4 – Enlarged Site Plan, Restroom Plan, and Elev |
| 1.6.1         | Revise per clouded areas of attached sheet and items listed below    |

- a) Added Detail 25 – Sign Placement
  - b) Revised Detail 22 to correct room numbers for (e) Boys and Girls restrooms
- Item No. 1.7 Reference Sheet ASD-1.0 – Site & Signage Details
  - 1.7.1 Revise per clouded areas of attached sheet and items listed below
    - a) Revised Detail 4 to show mounting plate (graphics only)
    - b) Revised Detail 7 to show mounting plate (graphics only)
    - c) Revised Detail 10 to clarify asphalt detail over concrete base.
    - d) Revised Detail 13 to show correct reference location for drop rods at gate.
    - e) Revised Detail 24 to callout reference of added sign placement detail.
- Item No. 1.8 Reference Sheet E-0.1 – Electrical Cover Sheet
  - 1.8.1 Revise per clouded areas of attached sheet and items listed below
    - a) Added floor box and duplex receptacle to electrical symbols legend.
- Item No. 1.9 Reference Sheet ES-1.1 – Electrical – Enlarged Site Parking Lot
  - 1.9.1 Revise per clouded areas of attached sheet and items listed below
    - a) Added floor box for power/data at island workstation in Portable N building.
    - b) Added keynotes 6 and 7.
- Item No. 1.10 Reference Sheet E-4.0 – Electrical Details
  - 1.10.1 Revise per clouded areas of attached sheet and items listed below
    - a) Revised detail 2 to include attachment of riser/weather head to structure.
- Item No. 1.11 Reference Sheet T-0.1 – Technology Cover Sheet
  - 1.11.1 Revise per clouded areas of attached sheet and items listed below
    - a) Added data outlets (floor and wall) to data symbols legend.
- Item No. 1.12 Reference Sheet TS-1.1– Technology Details
  - 1.12.1 Revise per clouded areas of attached sheet and items listed below
    - a) Revised data outlet layout to match workstation layout.
    - b) Added floor data outlet for island workstation.
- Item No. 1.13 Reference Sheet T-4.0 – Technology Details
  - 1.13.1 Revise per clouded areas of attached sheet and items listed below
    - a) Updated network riser diagram to include added floor box and wall outlets.
- Item No. 1.14 Reference Sheet P-1.01N – Plumbing Details and Schedule
  - 1.14.1 Revise per clouded areas of attached sheet and items listed below
    - (a) Detail #2, relocate the Point of connection for water supply, and added a dimension to it. Added a dimension to the POC waste line.
    - (b) Detail #3, Clarify isometric plumbing lines
- Item No. 1.15 Reference Sheet M-1.01N – Project Specific Mechanical Plan
  - 1.15.1 Revise per clouded areas of attached sheet and items listed below
    - (a) Rotated the toilet room to match floor plan
- Item No. 1.16 Reference Sheet E-1.01N – Project Specific Electrical Plan
  - 1.16.1 Revise per clouded areas of attached sheet and items listed below
    - (a) Rotated the toilet room to match floor plan
    - (b) Added additional electrical & data outlets to match potential desk arraignment. Its electrical panel is updated as well.
- Item No 1.17 Reference Sheet F1.02 – Foundation Plan
  - 1.17.1 Added sheet to set for wood foundation option
- Item No. 1.18 Reference Sheet F1.21 – Foundation Details
  - 1.18.1 Added sheet to set for wood foundation detail option

## ATTACHMENTS

Specifications: 00 01 10, 01 50 00

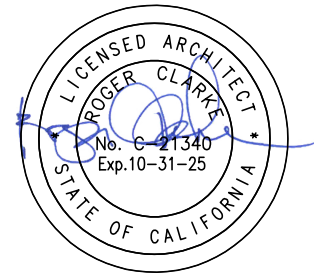
Sketches: N/A

Sheets: G-1, AS-1.1, AS-1.3, AS-1.4, ASD-1.0, E-.01, ES-1.1, E-4.0, T-O.1, TS-1.1 T-4.0, P-1.01N, M-1.01N, E-1.01N

END OF ADDENDUM NO. 01

-----  
Roger Clarke, Principal  
C-21340





## **SECTION 00 01 10 TABLE OF CONTENTS**

### **PROCUREMENT AND CONTRACTING REQUIREMENTS**

#### **DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS**

- 00 01 01 - Project Title Page
- 00 01 02 - Project Information
- 00 01 07 - Seals Page
- 00 01 10 - Table of Contents
- 00 40 25 - Request for Information (PreBid)
- 00 43 25 - Substitution Request Form - During Procurement
- 00 63 25 - Substitution Request Form - During Construction

### **SPECIFICATIONS**

#### **DIVISION 01 -- GENERAL REQUIREMENTS**

- 01 10 00 - Summary
- 01 20 00 - Price and Payment Procedures
- 01 25 00 - Substitution Procedures
- 01 30 00 - Administrative Requirements
  - 01 30 00.01 - Request for Interpretation
  - 01 30 00.02 - Submittal Transmittal
- 01 35 50 - Requests for Electronic Files
- 01 35 53 - Security Procedures
- 01 40 00 - Quality Requirements
- 01 41 00 - Regulatory Requirements
- 01 45 33 - Code-Required Special Inspections
- 01 50 00 - Temporary Facilities and Controls
- 01 60 00 - Product Requirements
- 01 61 16 - Volatile Organic Compound (VOC) Content Restrictions
  - 01 61 16.01 - Accessory Material VOC Content Certification Form
- 01 74 19 - Construction Waste Management and Disposal
- 01 76 10 - Temporary Protective Coverings
- 01 78 00 - Closeout Submittals
  - 01 78 00.01 - Warranty Form Letter
- 01 78 39 - Project Record Documents

#### **Addendum 1**

01 79 00 - Demonstration and Training

**DIVISION 02 -- EXISTING CONDITIONS**

02 41 00 - Demolition

**DIVISION 05 -- METALS**

05 50 00 - Metal Fabrications

05 52 13 - Pipe and Tube Railings

**DIVISION 06 -- WOOD, PLASTICS, AND COMPOSITES**

06 10 53 - Miscellaneous Rough Carpentry

**DIVISION 07 -- THERMAL AND MOISTURE PROTECTION**

07 92 00 - Joint Sealants

**DIVISION 10 -- SPECIALTIES**

10 11 00 - Visual Display Units

10 14 23 - Panel Signage

10 44 00 - Fire Protection Specialties

**DIVISION 26 -- ELECTRICAL**

26 05 00 - Electrical General Requirements

26 05 19 26 05 19 - Voltage Electrical Power Conductors and Cables

26 05 26 - Grounding and Bonding for Electrical Systems

26 05 29 - Hangers and Supports for Electrical Systems

26 05 33.13 - Conduit for Electrical Systems

26 05 33.16 - Boxes for Electrical Systems

26 05 53 - Identification for Electrical Systems

26 27 26 - Wiring Devices

26 28 16.16 - Enclosed Switches

**DIVISION 27 -- COMMUNICATIONS**

27 05 00 - Technology General Requirements

27 10 00 - Structured Cabling

27 51 16 - Public Address Systems

**DIVISION 28 -- ELECTRONIC SAFETY AND SECURITY**

28 05 00 - Fire Alarm General Requirements

28 46 00 - Fire Detection and Alarm

**DIVISION 31 -- EARTHWORK**

31 10 00 - Site Clearing

31 23 16.13 - Trenching

**DIVISION 32 -- EXTERIOR IMPROVEMENTS**

32 12 16 - Asphalt Paving

32 13 13 - Site Concrete

32 14 13 - Precast Concrete Unit Paving

32 17 13 - Concrete Wheel Stops

32 17 23 - Pavement Markings

32 17 26 - Tactile Warning Surfacing

32 31 13 - Chain Link Fences and Gates

**DIVISION 33 -- UTILITIES**

33 14 16 - Site Water Utility Distribution Piping

**END OF SECTION**

## **SECTION 01 50 00 TEMPORARY FACILITIES AND CONTROLS**

### **PART 1 GENERAL**

#### **1.01 SECTION INCLUDES**

- A. Temporary telecommunications services.
- B. Temporary sanitary facilities.
- C. Temporary Controls: Barriers and fencing.
- D. Security requirements.
- E. Waste removal facilities and services.

#### **1.02 RELATED REQUIREMENTS**

- A. Section 01 35 53 - Security Procedures

#### **1.03 REFERENCE STANDARDS**

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- B. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.

#### **1.04 TEMPORARY UTILITIES**

- A. Provide and pay for all electrical power, lighting, water, heating and cooling, and ventilation required for construction purposes.
- B. **Provide waste storage tank. See Drawings for location.**
  - 1. **Basis of Design Product: HT-01-0300 300 Gallon Holding Tank as manufactured by PolyJohn, [www.polyjohn.com](http://www.polyjohn.com), or approved equal.**
- ~~B.~~C. Use trigger-operated nozzles for water hoses, to avoid waste of water.

#### **1.05 TELECOMMUNICATIONS SERVICES**

- A. Provide, maintain, and pay for telecommunications services to field office at time of project mobilization and duration of the project.
- B. Telecommunications services shall include:
  - 1. Windows-based personal computer dedicated to project telecommunications, with necessary software and laser printer.
    - a. Provide color copier with scanning capabilities and 8.5 x 11 and 11x17 format; including copier paper for both formats.
  - 2. Telephone Land Lines: Multiple lines, minimum; one handset per line.
  - 3. Internet Connections: Minimum of one for each desk; Cable modem (2GB) or faster.
    - a. Provide hi-speed INTERNET service in the District Construction Manager and Inspector field office for FOUR personnel; including copier/scanner.

4. Facsimile Service: Minimum of one dedicated fax machine/printer, with dedicated phone line.

#### **1.06 TEMPORARY SANITARY FACILITIES**

- A. Provide and maintain required facilities and enclosures. Provide at time of project mobilization.
  1. Provide temporary toilet facilities if maximum number of personnel on project is greater than 10.
  2. Submit proposed location of temporary toilet(s) to Construction Manager for approval.
    - a. Place on-site portable toilets away from building air intakes and entryway.
- B. Maintain daily in clean and sanitary condition.

#### **1.07 BARRIERS**

- A. Provide barriers to prevent unauthorized entry to construction areas, to prevent access to areas that could be hazardous to workers or the public, to allow for owner's use of site and to protect existing facilities and adjacent properties from damage from construction operations and demolition.
- B. Provide barricades and covered walkways required by governing authorities for public rights-of-way and for public access to existing building.
- C. Protect non-owned vehicular traffic, stored materials, site, and structures from damage.

#### **1.08 FENCING**

- A. Construction: Commercial grade chain link fence. Include windscreen with galvanized steel schedule 40 post and top rail.
- B. Provide 6 foot high fence around construction site; equip with vehicular and pedestrian gates with locks.
  1. STC rating of 35 in accordance with ASTM E90.
  2. Maximum flame spread rating of 75 in accordance with ASTM E84.
- C. Paint surfaces exposed to view from District-occupied areas.

#### **1.09 SECURITY**

- A. Provide security and facilities to protect Work, existing facilities, and District's operations from unauthorized entry, vandalism, or theft.
- B. Coordinate with District's security program.
  1. Include construction surveillance camera system per the District.

#### **1.10 CAFETERIA AND FOOD**

- A. Construction personnel shall police their own areas. All cups, cans, paper, wrappers, and discarded food must be placed in trash receptacles at end of each break.
- B. Contractor(s) shall submit to Construction Manager proposed location of any break areas and eating areas for approval.



### **1.11 SMOKING AND TOBACCO**

- A. Smoking and vaping is not permitted on property.
- B. No chewing tobacco or spitting of tobacco is permitted.

### **1.12 VEHICULAR ACCESS AND PARKING**

- A. Comply with regulations relating to use of streets and sidewalks, access to emergency facilities, and access for emergency vehicles.
- B. Coordinate access and haul routes with governing authorities and District.
- C. Provide and maintain access to fire hydrants, free of obstructions.
- D. Provide means of removing mud from vehicle wheels before entering streets.
- E. Provide temporary parking areas to accommodate construction personnel. When site space is not adequate, provide additional off-site parking.

### **1.13 WASTE REMOVAL**

- A. See Section 01 74 19 - Construction Waste Management and Disposal, for additional requirements.
- B. Provide waste removal facilities and services as required to maintain the site in clean and orderly condition.
- C. Provide containers with lids. Remove trash from site periodically.
- D. If materials to be recycled or re-used on the project must be stored on-site, provide suitable non-combustible containers; locate containers holding flammable material outside the structure unless otherwise approved by the authorities having jurisdiction.
- E. Open free-fall chutes are not permitted. Terminate closed chutes into appropriate containers with lids.

### **1.14 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS**

- A. Remove temporary utilities, equipment, facilities, materials, prior to Final Application for Payment inspection.
- B. Remove underground installations to a minimum depth of 2 feet. Grade site as indicated.
- C. Clean and repair damage caused by installation or use of temporary work.
- D. Restore existing facilities used during construction to original condition.
- E. Restore new permanent facilities used during construction to specified condition.

## **PART 2 PRODUCTS - NOT USED**

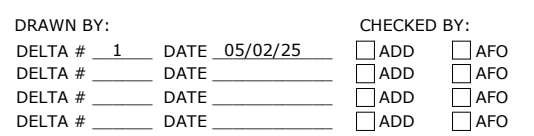
## **PART 3 EXECUTION - NOT USED**

**END OF SECTION**



670 W. LAUREL ST, COLTON, CA 92324  
COLTON JOINT UNIFIED SCHOOL DISTRICT

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684 4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438 5899



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**RUF**  
STREET, RIVERSIDE CALIFORNIA 92503

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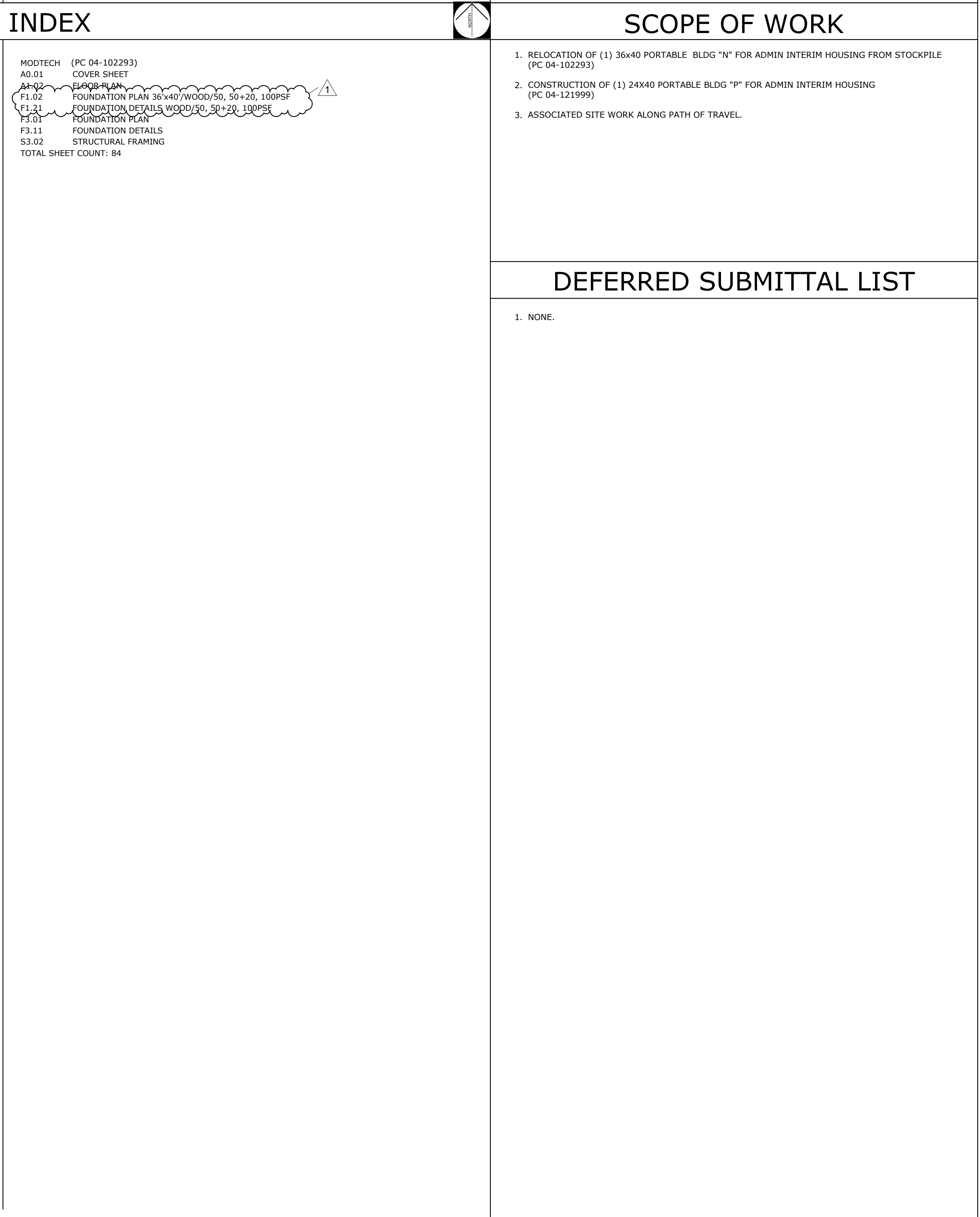
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COLTON JO

ON, CA 92324  
SCHOOL DISTRICT

T &amp; SHEET :

G-

5-118



COLTON MS INTERIM HOUSING: DSA BC SUBMITTAL - 03/06/25

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

670 W. LAUREL ST, COLTON, CA 92324  
COLTON JOINT UNIFIED SCHOOL DISTRICT

# G-1

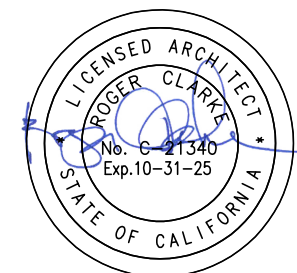


## CODE ANALYSIS

BLDG ID #	BUILDING NAME	BUILDING ANALYSIS						BUILDING AREA (S.F.)			BLDG AREA MODIFICATION PER SECTION 506	MIXED USE / OCCUPANCY AREA CALCULATION SECTION 508	EXT. WALL PROTECTION PER TABLE 601 & 705.5 2022 CBC	OPENING PROTECTION TABLE 705.8	AUTOMATIC FIRE SPRINKLER	FIRE SEPARATION TABLE 508.4	NOTES:
		OCCUPANCY TYPE	CONSTRUCTION TYPE TABLE 601	STORY (ALLOW.) TABLE 504.4	STORY (ACTUAL)	BLDG. HT. (ALLOW.) TABLE 504.3	BLDG. HT. (ACTUAL)	ALLOWABLE BLDG. AREA (TABLE 506.2)	ACTUAL BLDG. AREA (SQ. FT.)	TOTAL AREA (SQ. FT.)	FRONTAGE INCREASE CBC 506.3	BEARING	NON-BEARING	UNPROTECTED, SPRINKLERED, NO LIMIT	UNPROTECTED, SPRINKLERED, NO LIMIT		
-	PORTABLE BLDG N	B	V-B	1	1	40'-0"	12'-0"	9,500SF	1,440 SF	2,400 SF	NOT REQUIRED	Ø	Ø	Ø	UNPROTECTED, SPRINKLERED, NO LIMIT	NO	NO
-	PORTABLE BLDG P								960 SF			Ø	Ø	Ø	UNPROTECTED, SPRINKLERED, NO LIMIT	NO	NO

## PARKING RATIO CALCULATIONS

PARKING LOT NAME	PARKING SPACE DESCRIPTION	MIN SPACES REQ'D	SPACES PROVIDED		TOTAL SPACES PROVIDED
			VAN	STD	
(E) PARKING LOT #1 PER AP 04-116933	STANDARD VEHICLE	N/A	N/A	37	41
	"ACCESSIBLE VEHICLE" INCLUDING VAN & STD PER CBC TABLE 11B-208.2 & 11B-208.2.4	2	2	2	
SUBTOTAL NUMBER OF PARKING SPACES					41
<b>ABBREVIATIONS:</b>					
EV	ELECTRIC VEHICLE				
EVCS	ELECTRIC VEHICLE CHARGING STATION				
N/A	NOT APPLICABLE				
STD	STANDARD				


















RUHNAU  
CLARKE  
ARCHITECTS

## GENERAL NOTES

1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. ALL EXISTING CONDITIONS TO REMAIN UNLESS NOTED OTHERWISE.
3. PATCH AND REPAIR ANY DAMAGE CAUSED BY DEMOLITION, REPAIR TO MATCH EXISTING.
4. THE CONTRACTOR SHALL ARRANGE FOR THE COORDINATES ANY UTILITY SHUT DOWN. THE CONTRACTOR SHALL HIRE PRIVATE UTILITY LOCATION SERVICES IN LOCATIONS ONSITE.
5. NO DEMOLITION SHALL BEGIN UNTIL DRAWINGS, INCLUDING DEMOLITION WORK, HAVE BEEN APPROVED BY DSA.
6. ALL DIMENSIONS SHOWN ON THIS SHEET INDICATE FIXTURES AND ACCESSORIES MINIMUM REQUIREMENTS FOR ACCESSIBILITY. REFER TO BOTH PLANS AND ELEVATIONS FOR LOCATIONS AND INFORMATION.
7. A CLEAR FLOOR SPACE 30" BY 48" COMPLY WITH CCR 2022 11B-305.3 SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW FORWARD APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR BE ACCESSIBLE TO THE LAVATORY.
8. WATER CLOSURE AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TURNING OF THE HAND OR WRIST, AND SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR (PER CCR 2022 11B-308) AND REQUIRE A FORCE OF OPERATION TO BE NO GREATER THAN 5 LBS. MAX. (PER CCR 2022 11B-309.4). CONTRACTOR TO VERIFY EXISTING CONDITIONS AND CORRECT AS NECESSARY TO COMPLY WITH CCR 2022 11B-305.3.
9. DOORS TO DEMONSTRATE 5 LBS. OPENING FORCE MAX UNLATCHING AND 5 LBS. FORCE MAX OPERATING PRESSURE PER CCR 11B-404.2.9.
10. DOOR CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME TO CLOSE THE DOOR TO THE 10 DEGREE POSITION OF 12 SECONDS FROM THE LATCH IS 5 SECONDS MINIMUM. CCR 11B-404.2.8.1. DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS MINIMUM. CCR 11B-404.2.8.2.

## KEYNOTES

## SITE LEGEND

<b><u>EXISTING</u></b>		<b><u>NEW</u></b>	
	EXISTING BUILDING TO REMAIN (N.I.C.)		PORTABLE BUILDING 'N' & 'P'
	EXISTING CONCRETE TO REMAIN		NEW CONCRETE PAVING PER CIVIL DWGS
	EXISTING ASPHALT PAVING TO REMAIN		NEW ASPHALT PER CIVIL DWGS
	EXISTING LANDSCAPE TO REMAIN		
	EXISTING PLAYGROUND PROTECTIVE SURFACING TO REMAIN		
	EXISTING DECOMPOSED GRANITE TO REMAIN		
	EXISTING SAFE DISPERSAL AREA PER A/P 04-123039		
	SITE PROPERTY LINE		
	ASSUMED PROPERTY LINE		
	(E) CHAIN LINK FENCING AND GATE TO REMAIN, PROTECT IN PLACE		
	(N) 4'-0" HIGH CHAIN LINK FENCE, TYP UNO		
	(N) 6'-0" HIGH CHAIN LINK FENCE, TYP UNO		

## GATE SCHEDULE

NO.	GATE SIZE (W x H)	MAT'L	FIN	COLOR	PANIC HDW	HDW GROUP	SIGNAGE	DETAIL(S)	NOTES
G1	(N) 6'-0" x 4'-0" (PR)	CL	FF	GALV	-	2	-	13/ASD-1.0	1,2,7,9
G2	(N) 3'-0" x 4'-0"	CL	FF	GALV	-	2	-	5/ASD-1.0	1,2,7,9
G3	(N) 3'-8" x 6'-0"	CL	FF	GALV	-	2	-	5/ASD-1.0	1,2,7,9
G4	(N) 3'-0" x 6'-0"	CL	FF	GALV	PH	1	-	4/ASD-1.0	1,2,3,4,5

**GENERAL NOTES:**

1. GATE HEIGHT TO MATCH ADJACENT FENCING
2. ADJECENT FENCE TO MATCH GATE FINISH
3. CLOSING SPEED: 90 DEGRESS TO 12 DEGRESS IN SECONDS
4. PROVIDE KICK PLATE
5. MANUAL CANE BOLTS, MANUALLY LOCKING HARDWARE OR CHAINS NOT ALLOWED ON GATES WITH PANIC HARDWARE
6. KNOX BOX PER LOCAL FIRE AUTHORITY REQUIREMENTS
7. PROVIDE PADLOCK AS PART OF HARDWARE SET
8. NO PADLOCKS ON EXIT GATES IN THE PATH OF FLOW. EXIT GATES SHALL HAVE 5 LBS MAX OPERATING PRESSURE

**GATE SCHEDULE ABBREVIATIONS:**

CL	GALVANIZED STEEL CHAIN LINK
FF	FACTORY FINISH
FIN	FINISH
HDW	HARDWARE
GALV	GLAVANIZED
MAT'L	MATERIAL
MTL	METAL
OSF	ORNAMENTAL STEEL FENCE
PH	PANIC HARDWARE
PR	PAIR OF GATES
PTD	PAINTED
VC	VINYL COATED

**HARDWARE GROUP NO. 1**

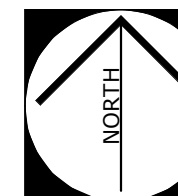
PROVIDE EACH SGL GATE WITH THE FOLLOWING

1	SET	GATE HINGE/CLOSER	MAM
1	EA	PANIC HARDWARE	CDSI
1	EA	MORTISE CYLINDER	KEYW
	C-R	(DOGGING)	
1	EA	RIM CYLINDER	KEYW
	C-R		
1	EA	WELD-IN LOCK BX	K-BX
1	EA	FLOOR STOP	FS18L
	SET	NOTE	REMA
			GATE

## HARDWARE GROUP NO. 2

PROVIDE EACH SERVICE GATE WITH THE FOLLOWING:

1	EA SET	PADLOCK NOTE	KEYW REMA GATE
1	DATA	0000 0000	



OVERALL SITE PLAN	SCALE: 1" = 30'-0"	1
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**PROJECT No. :1-15-118**  
5/6/2025 7:46:04 AM

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**RUHNAUCLARKE.COM**

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COLTON MS INTERIM HOUSING

**670 W. LAUREL ST, COLTON, CA 92324**  
**COLTON JOINT UNIFIED SCHOOL DISTRICT**

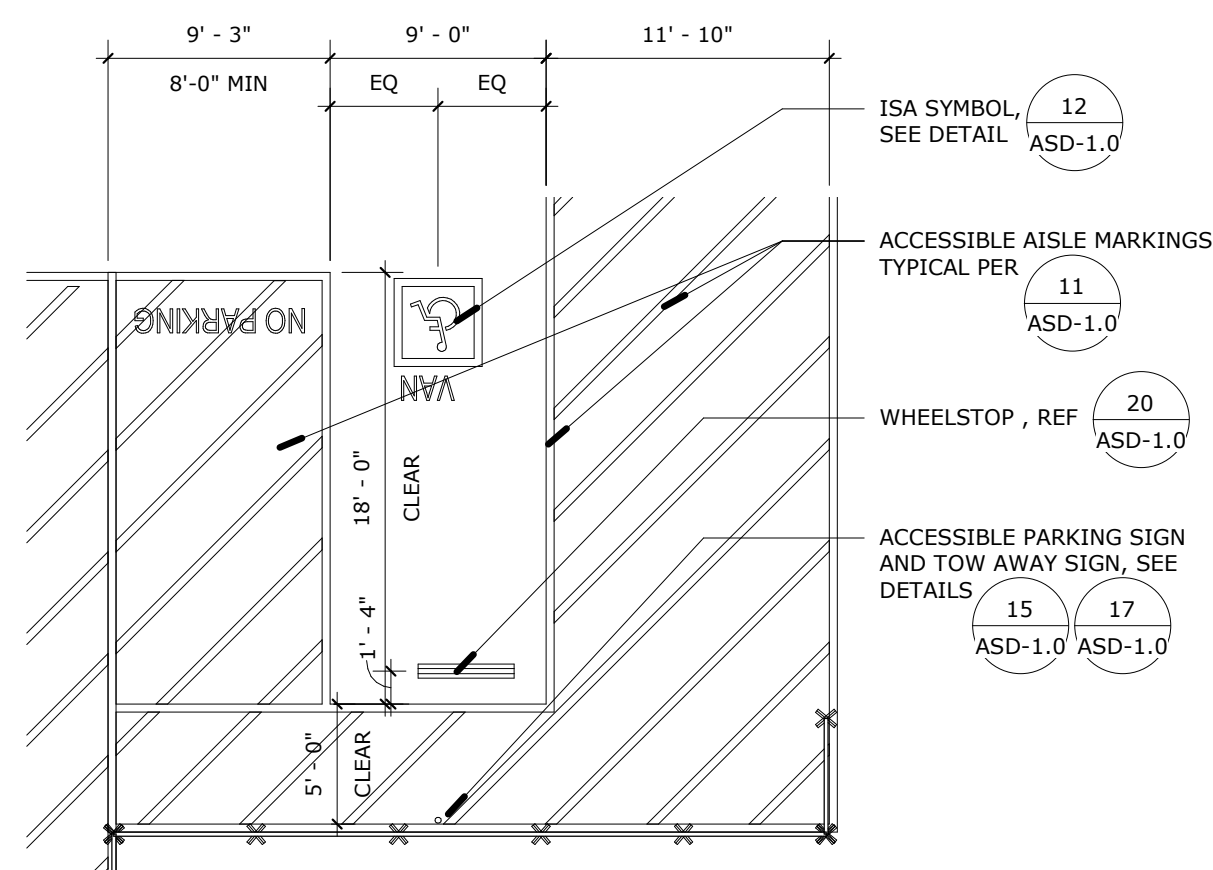
## OVERALL SITE PLAN & CODE ANALYSIS

## AS-1.1

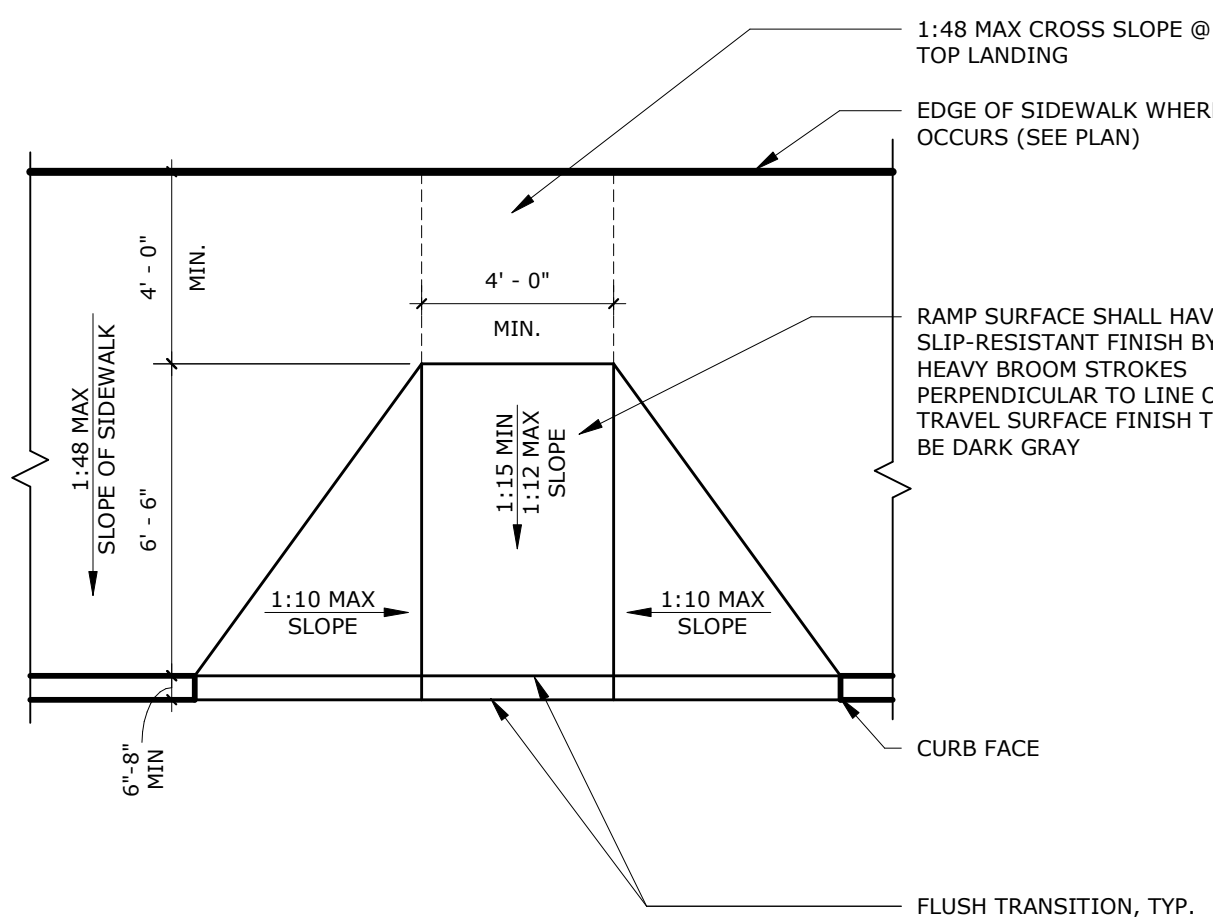
1-15-118

COLTON MS INTERIM HOUSING: DSA BC SUBMITTAL - 03/06/25

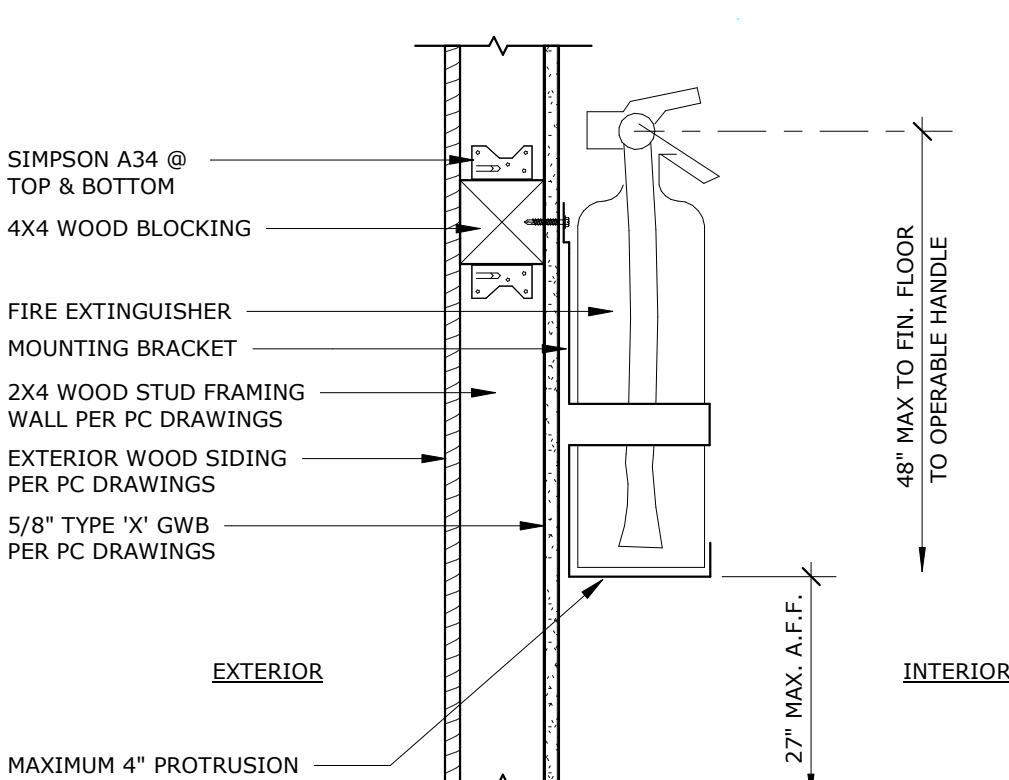




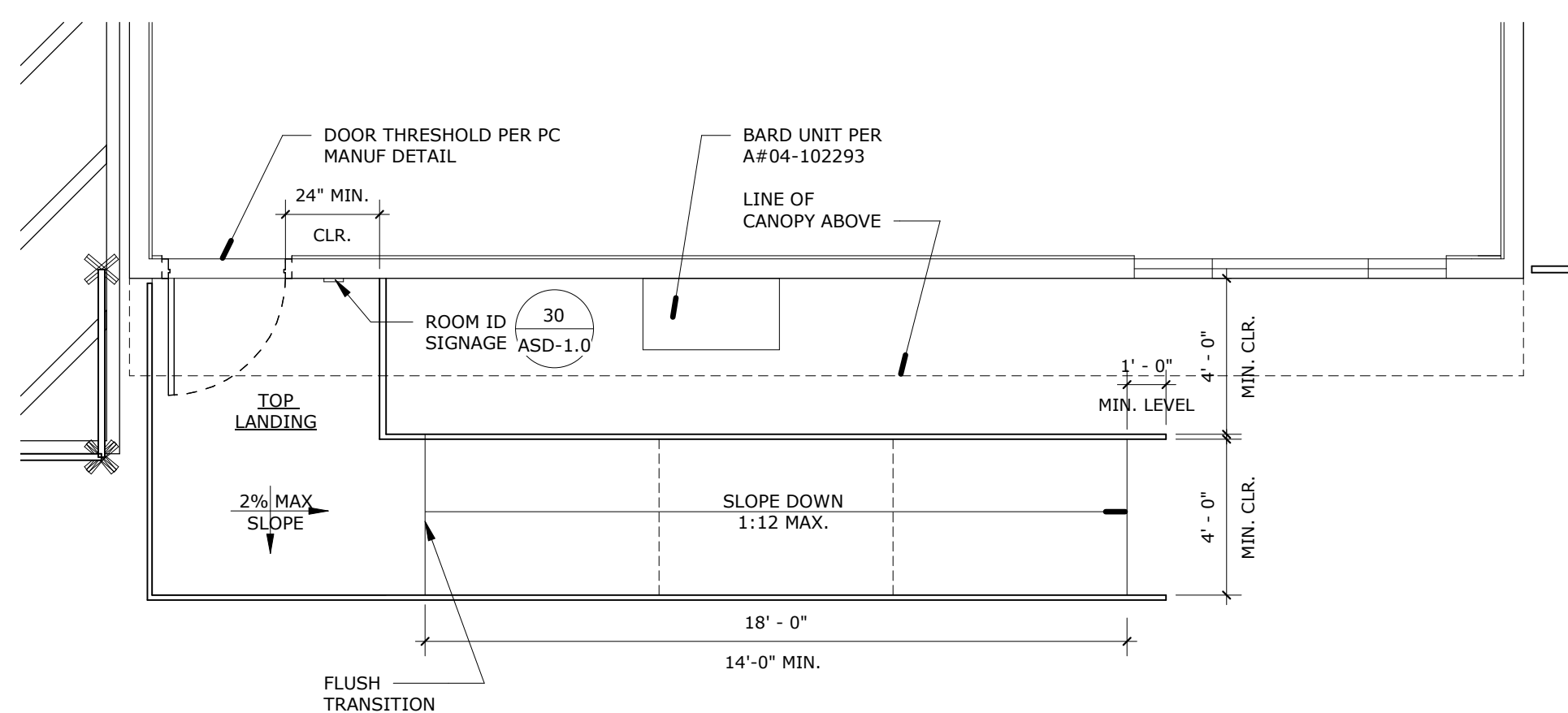
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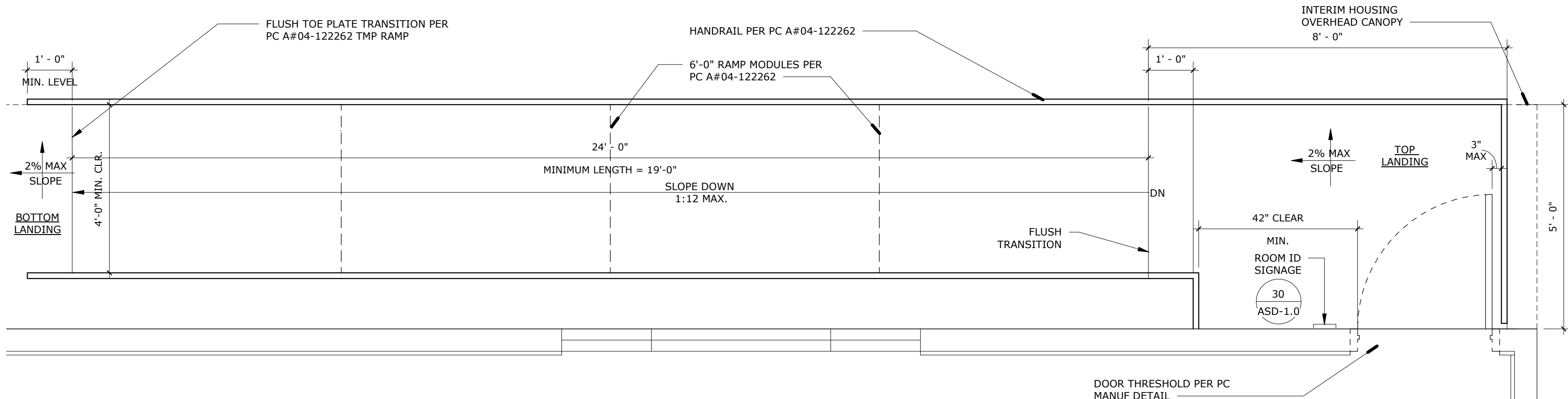
ACCESSIBLE CURB CUT RAMP	SCALE: 1/4" = 1'-0"	27
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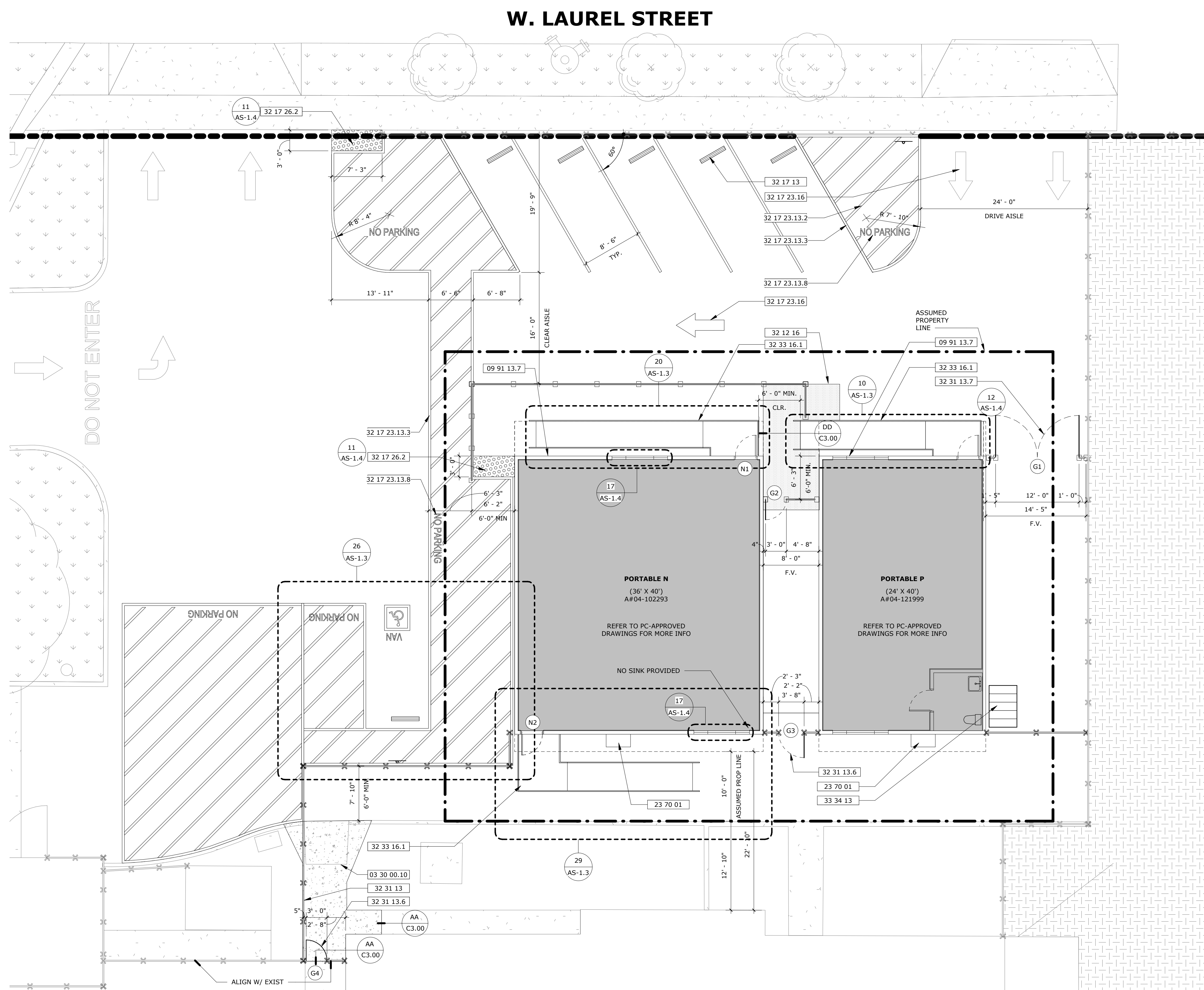
WALL MTD FIRE EXTINGUISHER	SCALE: 1 1/2" = 1'-0"	28
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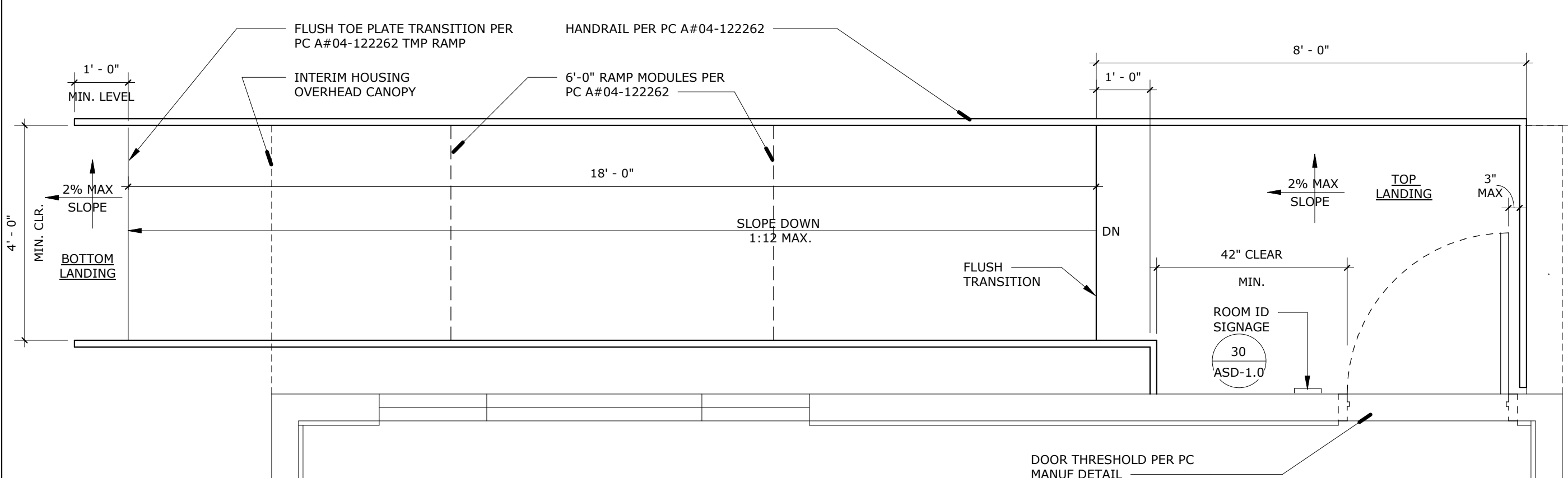
SOUTH RELOCATABLE RAMP @ N	SCALE: 1/4" = 1'-0"	29
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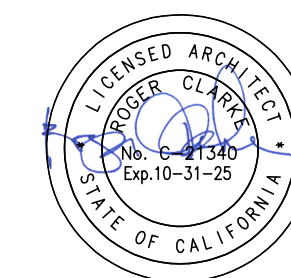
NORTH RELOCATABLE RAMP @ N	SCALE: 1/2" = 1'-0"	20
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ENLARGED SITE PLAN - PARKING LOT MOD	SCALE: 1/8" = 1'-0"
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RELOCATABLE RAMP @ P	SCALE: 1/2" = 1'-0"
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**AGENCY APPROVAL**

RUHNAU  
CLARKE  
ARCHITECTS

## GENERAL NOTES

1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. ALL EXISTING CONDITIONS TO REMAIN UNLESS NOTED OTHERWISE.
3. PATCH AND REPAIR ANY DAMAGE CAUSED BY DEMOLITION. REPAIR TO MATCH EXISTING.
4. THE CONTRACTOR SHALL ARRANGE FOR THE COORDINATES ANY UTILITY SHUT DOWN. THE CONTRACTOR SHALL HIRE PRIVATE UTILITY LOCATION SERVICES IN LOCATIONS ONSITE.
5. NO DEMOLITION SHALL BEGIN UNTIL DRAWINGS, INCLUDING DEMOLITION WORK, HAVE BEEN APPROVED BY DSA.
6. ALL DIMENSIONS SHOWN ON THIS SHEET INDICATE FIXTURES AND ACCESSORIES MINIMUM REQUIREMENTS FOR ACCESSIBILITY. REFER TO BOTH PLANS AND ELEVATIONS FOR LOCATIONS AND INFORMATION.
7. A CLEAR FLOOR SPACE 30" BY 48" COMPLY WITH CBC 2022 11B-305.3 SHALL BE PROVIDED IN FRONT OF A LAVATORY TO ALLOW APPROACH. SUCH CLEAR FLOOR SPACE SHALL ADJOIN OR BE ACCESSIBLE ROUTE TO THE LAVATORY.
8. WATER CLOSET AND URINAL FLUSH VALVE CONTROLS, AND FAUCET AND OPERATING MECHANISM CONTROLS, SHALL BE OPERABLE WITH ONE HAND, SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR GRIPPING OF THE HANDS, AND SHALL BE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR (PER CBC 2022 11B-308.4) AND REQUIRE A FORCE OF OPERATION TO BE NO GREATER THAN 5 LBS. MAX (PER CBC 2022 11B-309.4). CONTRACTOR TO VERIFY EXISTING CONDITIONS AND CORRECT AS NECESSARY TO COMPLY WITH CODE.
9. DOORS TO DEMONSTRATE 5 LBS. OPENING FORCE MAX UNLATCHING AND 5 LBS. FORCE MAX OPERATING PRESSURE PER CBC 11B-404.2.9.
10. DOOR CLOSER SHALL BE ADJUSTED SO THAT ON AN OPEN POSITION OF 90 DEGREES, THE TIME TO CLOSE MOVE THE DOOR FROM 12 INCHES FROM THE LATCH IS 5 SECONDS MINIMUM. (PER CBC 11B-404.2.8.1). DOOR SPRING HINGES SHALL BE ADJUSTED SO THAT FROM THE OPEN POSITION OF 70 DEGREES, THE DOOR SHALL MOVE TO THE CLOSED POSITION IN 1.5 SECONDS (PER CBC 11B-404.2.8.2).

## KEYNOTES

03 30 00.10	CONCRETE PAVING PER CIVIL DWGS
09 91 13.7	(N) EXTERIOR BUILDING SURFACING, PAINT TO CONTRAST ADJACENT WALL SURFACE, REF 12/AS.1/
70 01.1	AVC EQUIPMENT PER CIVIL DWGS, CONTRAST CHANGING MANUFACTURER
32 16	(N) ASPHALT PAVING PER CIVIL DWGS
32 17.13	(N) CONCRETE WHERE STOP
32 17.13.1.2	(N) PAVEMENT MARKING, WHITE 4" WIDE DIAGONAL STRIPING
32 17.21.3.13	(N) PAVEMENT MARKING, WHITE 4" WIDE FULLY ENCLOSED BORDER
32 17.21.3.18	(N) 12" HIGH "NO PARKING" WHITE LETTERING - NO STRIPING SHALL OVERLAP LETTERING
32 17.21.3.19	PAINTED WHITE PAINTED ARROWS
32 17.26.2	PLASTIC TAPE AND DETECTABLE WARNING TILES
32 17.26.3	CHAIN LINK FENCES AND CHAIN LINK
32 11.16	SINGLE LAYER CHAIN LINK LANE
32 13.17	DOUBLE LAYER CHAIN LINK LANE
32 13.17.1	PAVEMENT, PER 12/285
32 13.18	HOLDING TANK


## DOOR HARDWARE

NO.	DOOR SIZE (W x H)	MAT'L	FIN	PANIC HDW	HDW GROUP	SIGNAGE	NOTES
N1	(N) 3'-0" x 7'-0"	KD	SCL	-	HW-1	-	-
N2	(N) 3'-0" x 7'-0"	KD	SCL	-	HW-1	-	-


ADMIN OFFICE		EXTERIOR DOOR HW-	
LOCKSET	TAH LHV75-LFIC SAT	FINISH 626	OR EQ.
1/4" CORE	SCHLAGE 23-030 C123	FINISH 626	OR EQ.
BUTTS	TAH BB175 4-1/2"x4-1/2" NRP	FINISH 626	OR EQ.
CLOSER	TAH DC851 DA	FINISH 689	OR EQ.
WEATHER STRIP	COLUMBIA 33405 3684	FINISH ALUM	OR EQ.
THRESHOLD	COLUMBIA 4920 36"	FINISH ALUM	OR EQ.
DOOR BOTTOM	COLUMBIA 2590 36"	FINISH ALUM	OR EQ.

### LEGEND


### EXISTING




(E) CONCRETE TO REMAIN




(E) ASPHALT PAVING TO REMAIN




(E) LANDSCAPE TO REMAIN



(E) DECOMPOSED GRANITE TO REMAIN




(E) CHAIN LINK FENCE TO REMAIN, PROTECT IN PLACE




(E) TREE TO REMAIN

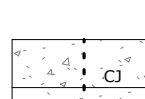
### NEW



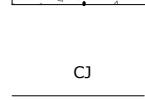
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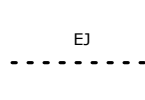
NEW BUILDING




NEW CONCRETE PAVING PER CIVIL DWGS, REFER TO 1/C3.00




CONCRETE CONTROL JOINT, REFER TO 88/C3.00



CONCRETE EXPANSION JOINT, REFER TO DETAILS 8A/C3.00 AND C2/C3.00



NEW CONCRETE ASPHALT PAVING PER CIVIL DWGS, REFER TO 2/C3.00



DRAWN BY: DELTA # 1 DATE 05/02/25  
 DELTA # DATE  
 DELTA # DATE  
 DELTA # DATE

CHECKED BY: ☐ ADD ☐ AFO ☐ CCD ☐ REV  
☐ ADD ☐ AFO ☐ CCD ☐ REV  
☐ ADD ☐ AFO ☐ CCD ☐ REV  
☐ ADD ☐ AFO ☐ CCD ☐ REV

**RUHNAUCLARKE.COM**

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

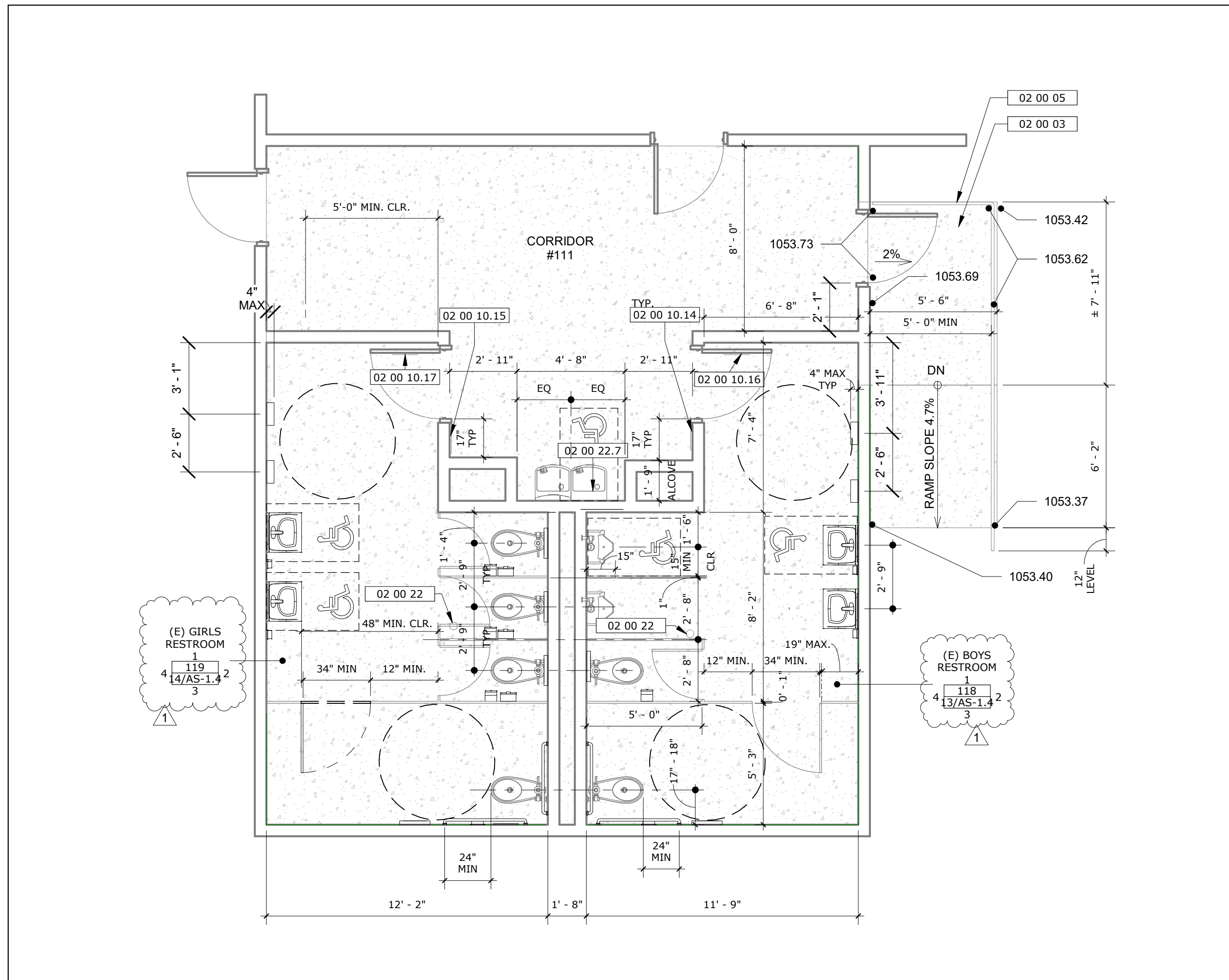
**COLTON MS INTERIM HOUSING**

670 W. LAUREL ST, COLTON, CA 92324  
COLTON JOINT UNIFIED SCHOOL DISTRICT

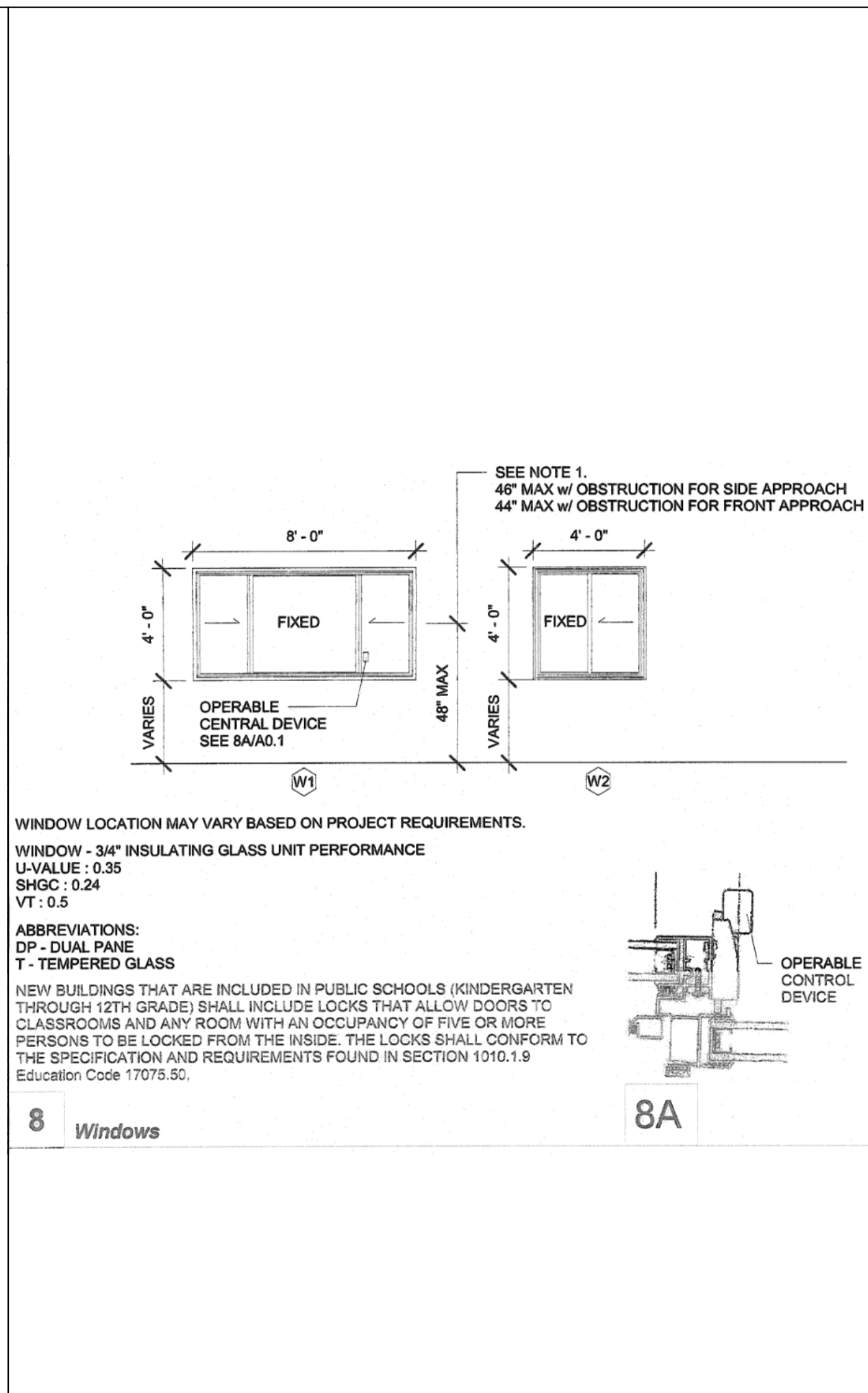
### ENLARGED SITE PLAN AT PARKING LOT MOD

## AS-1.3

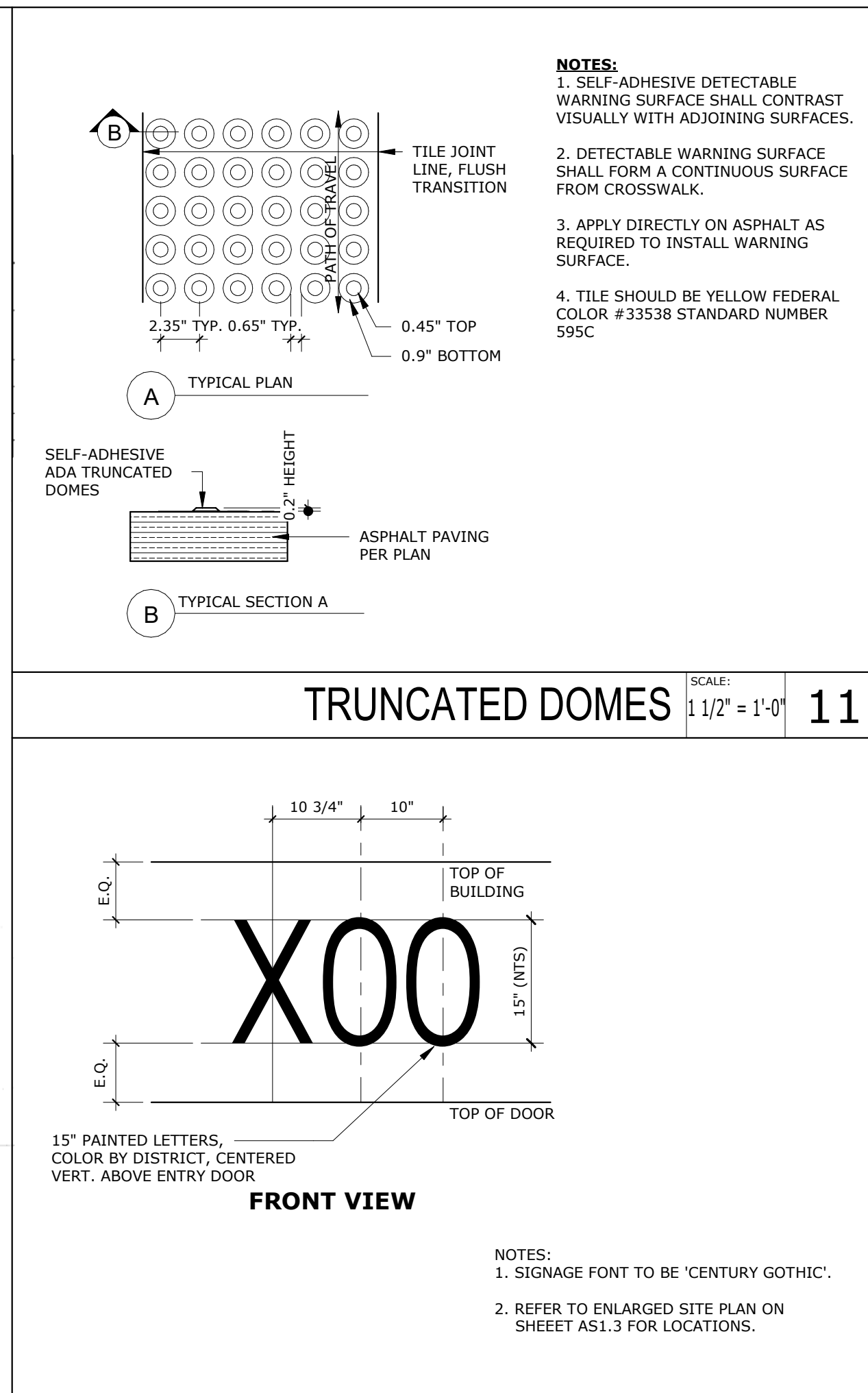




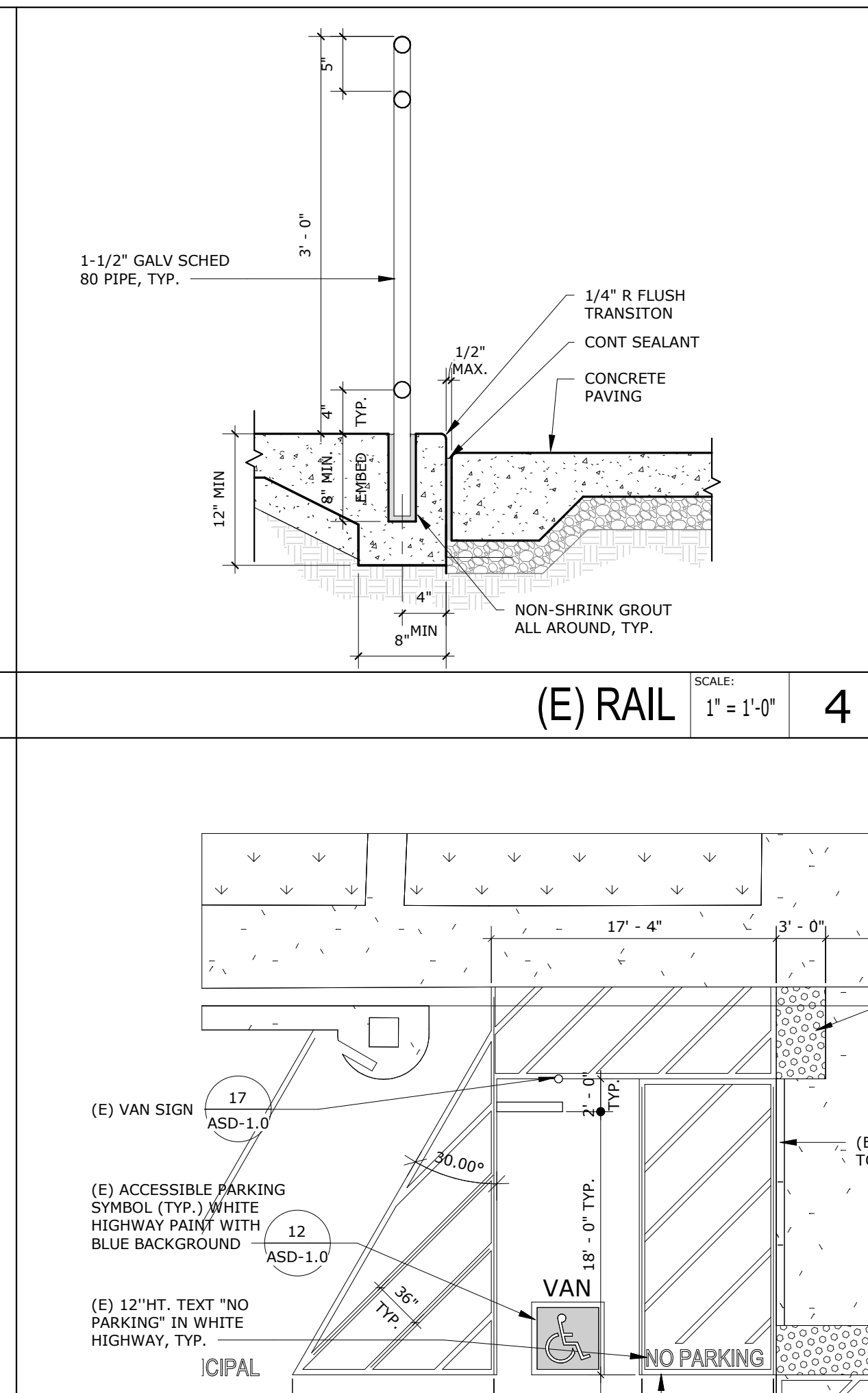
(E) BOYS & GIRLS RESTROOMS @ (E) MPR BLDG PER A# 04-114164



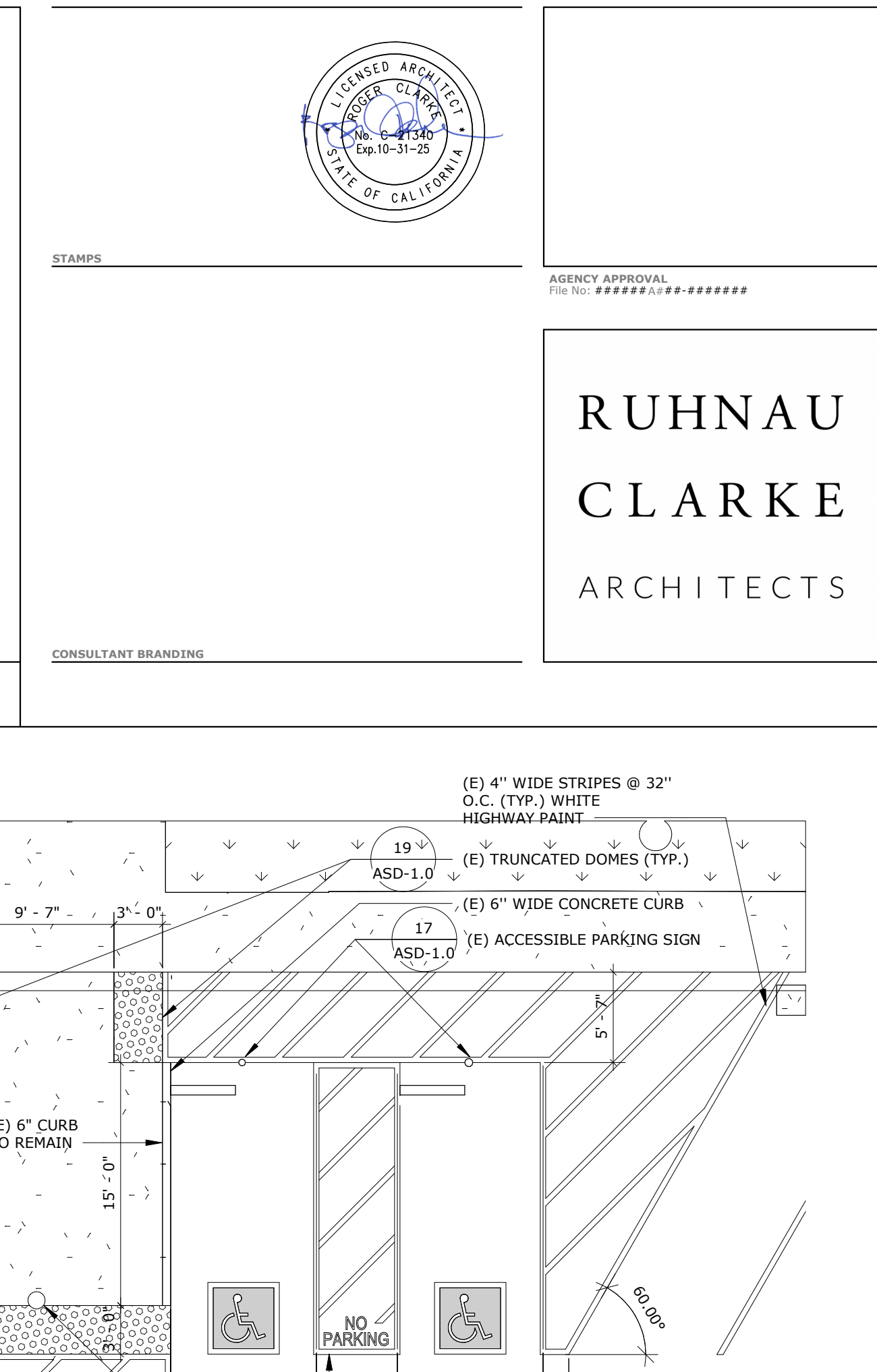
WINDOW OPERABLE CONTROL



BUILDING I.D. SIGN



(E) RAIL



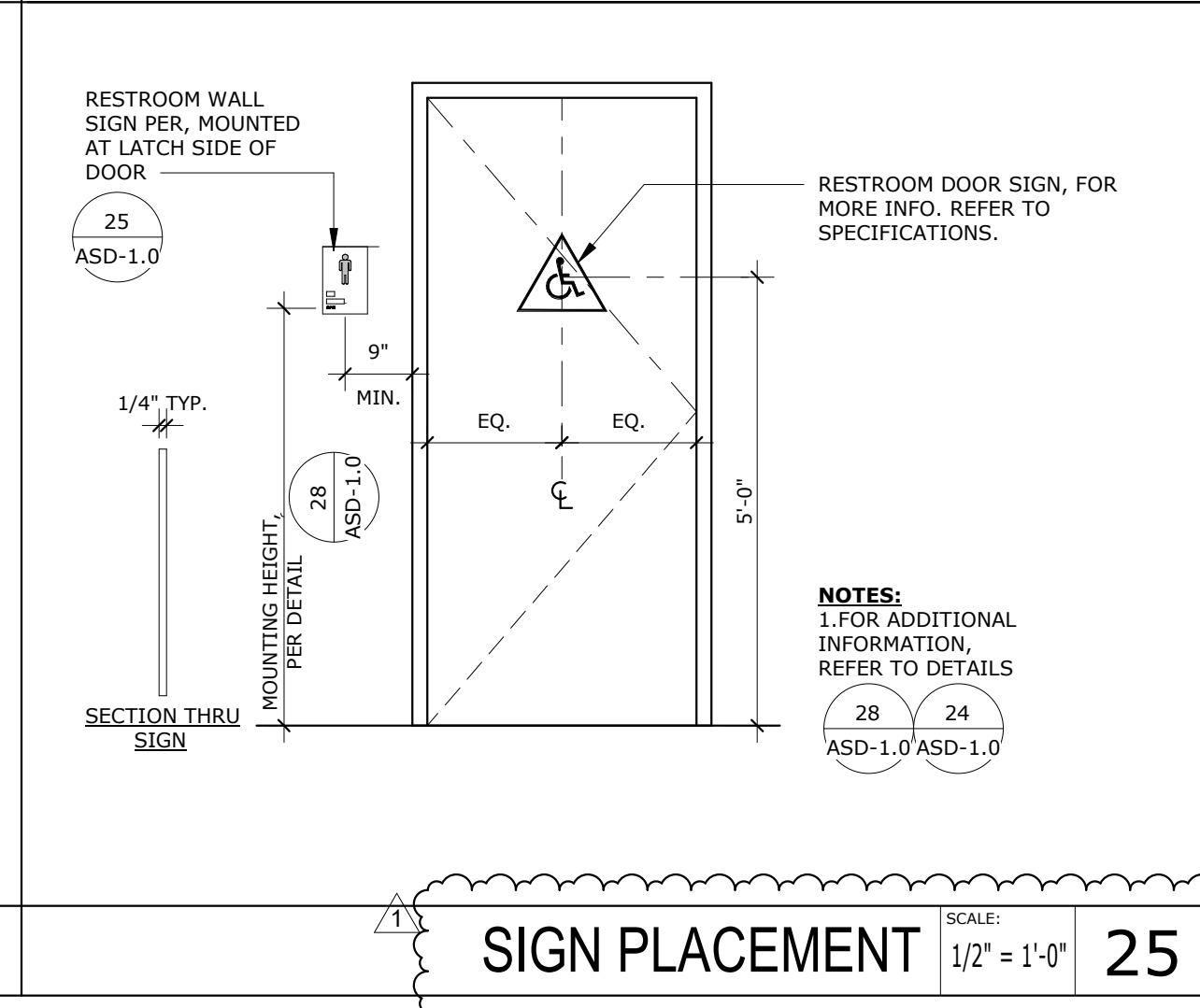
(E) ENLARGED SITE PLAN

- 02 00 03 (E) CONCRETE SLAB  
02 00 05 (E) STEEL PIPE HANDRAIL & POST TYP, GALV FINISH  
02 00 09 (E) 4" HIGH TILE COVE BASE  
02 00 09.1 (E) TILE WALL FINISH TO REMAIN  
02 00 10.1 (E) URINAL SCREEN PER A# 04-114164 TO REMAIN, PROTECT IN PLACE  
02 00 10.2 (E) TOILET PARTITION TO REMAIN, PROTECT IN PLACE. SEE NOTE 1  
02 00 10.3 (E) ACCESSIBLE REAR GRAB BAR TO REMAIN, PROTECT IN PLACE  
02 00 10.4 (E) ACCESSIBLE SIDE GRAB BAR TO REMAIN, PROTECT IN PLACE  
02 00 10.5 (E) ACCESSIBLE TOILET SEAT COVER DISPENSER TO REMAIN, PROTECT IN PLACE  
02 00 10.6 (E) ACCESSIBLE TOILET TISSUE DISPENSER TO REMAIN, PROTECT IN PLACE  
02 00 10.7 (E) ACCESSIBLE MIRROR TO REMAIN, PROTECT IN PLACE  
02 00 10.8 (E) ACCESSIBLE SOAP DISPENSER TO REMAIN, PROTECT IN PLACE  
02 00 10.9 (E) ACCESSIBLE ELECTRIC HAND DRYER W/ 4" MAX PROJECTION TO REMAIN, PROTECT IN PLACE  
02 00 10.10 (E) ACCESSIBLE SANITARY NAPKIN DISPENSER TO REMAIN, PROTECT IN PLACE  
02 00 10.11 (E) SANITARY NAPKIN DISPENSER TO REMAIN, PROTECT IN PLACE  
02 00 10.12 (E) TOILET SEAT COVER DISPENSER TO REMAIN, PROTECT IN PLACE  
02 00 10.13 (E) TOILET TISSUE DISPENSER TO REMAIN, PROTECT IN PLACE  
02 00 10.14 (E) BOYS RESTROOM WALL SIGNAGE PER A# 04-114164 TO REMAIN, PROTECT IN PLACE  
02 00 10.15 (E) GIRLS RESTROOM WALL SIGNAGE PER A# 04-114164 TO REMAIN, PROTECT IN PLACE  
02 00 10.16 (E) BOYS DOOR SIGNAGE PER A# 04-114164 TO REMAIN, PROTECT IN PLACE  
02 00 10.17 (E) GIRLS DOOR SIGNAGE PER A# 04-114164 TO REMAIN, PROTECT IN PLACE  
02 00 10.20 (E) ACCESSIBLE FLOOR DRAIN PER A# 04-114164 TO REMAIN, PROTECT IN PLACE  
02 00 22.1 (E) WATER CLOSET TO REMAIN, PROTECT IN PLACE  
02 00 22.2 (E) URINAL TO REMAIN, PROTECT IN PLACE  
02 00 22.3 (E) LAVATORY TO REMAIN, PROTECT IN PLACE. SEE NOTE 2  
02 00 22.4 (E) ACCESSIBLE LAVATORY PER A# 04-114164 TO REMAIN, PROTECT IN PLACE  
02 00 22.5 (E) ACCESSIBLE WATER CLOSET PER A# 04-114164 TO REMAIN, PROTECT IN PLACE  
02 00 22.6 (E) ACCESSIBLE URINAL PER A# 04-114164 TO REMAIN, PROTECT IN PLACE  
02 00 22.7 (E) ACCESSIBLE HI-LOW DRINKING FOUNTAIN PER A# 04-114164 TO REMAIN, PROTECT IN PLACE

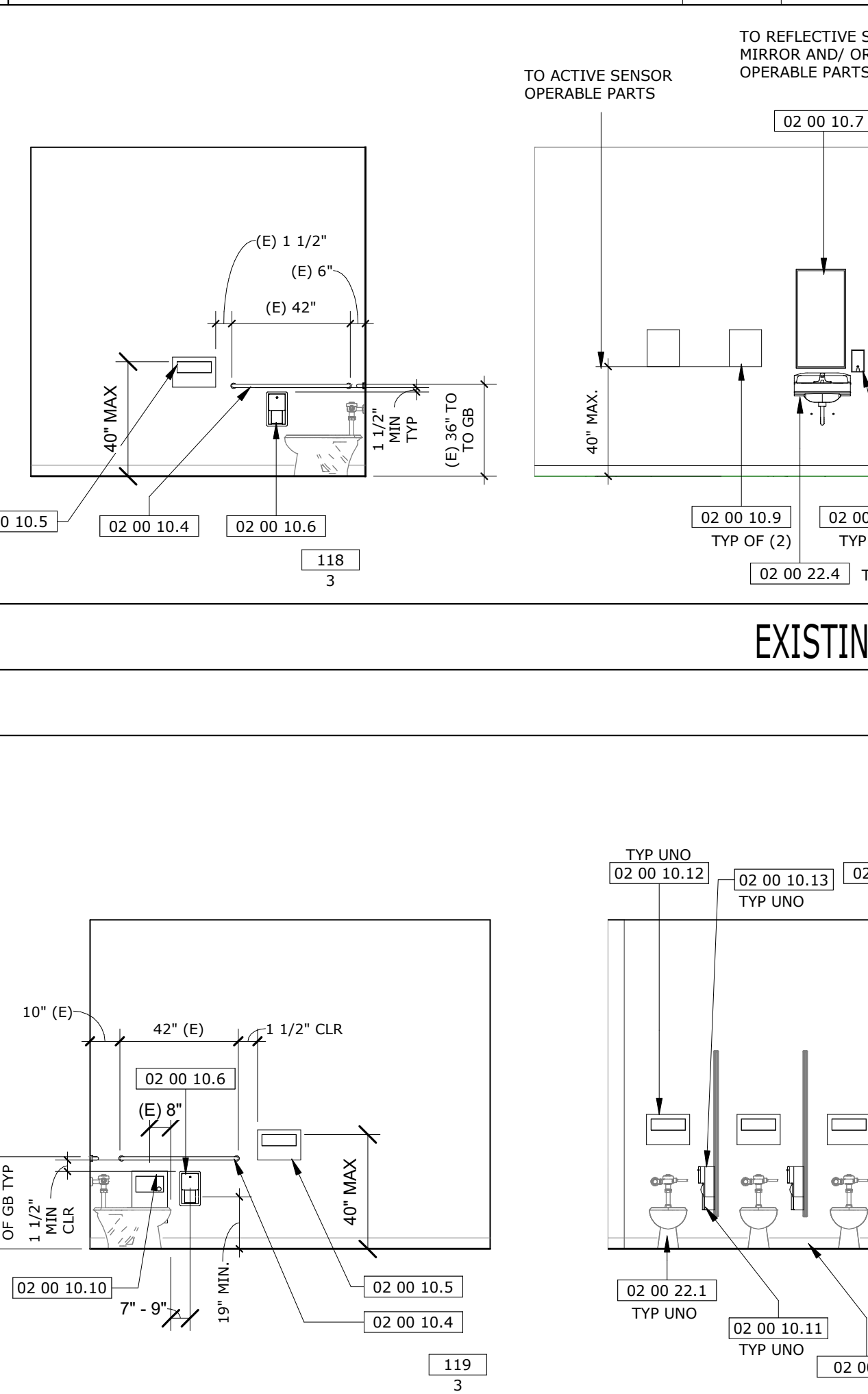
RESTROOM KEYNOTES

1. EXISTING TOILET PARTITION WITH DOOR WHERE OCCURS TO REMAIN, PROTECT IN PLACE. WITH NO SHARP EDGES OR ABRASIVE SURFACE AT BOTTOM OF PARTITION, TYP.  
2. EXISTING LAVATORY TO REMAIN, PROTECT IN PLACE. W/ WRAPPED INSULATION DRAIN AND ALL WATER PIPING TO PREVENT CONTACT. THERE SHALL BE NO ABRASIVE SURFACES OR SHARP EDGES AT THE BOTTOM OF THE LAVATORIES PER CBC 11B-606.5  
3. THE DOOR AT WHEELCHAIR ACCESSIBLE STALLS SHALL BE SELF-CLOSING. A DOOR PULL COMPLYING WITH SECTION 11B-604.2.7 SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. (CBC 11B-604.8.1.2 & 11B-604.8.2.2)  
4. ALL THE PLUMBING FIXTURES AND TOILET ACCESSORIES ARE TO REMAIN, PROTECT IN PLACE PER A# 04-114164  
5. ALL DIMENSIONS ARE EXISTING & TO THE FACE OF FINISH

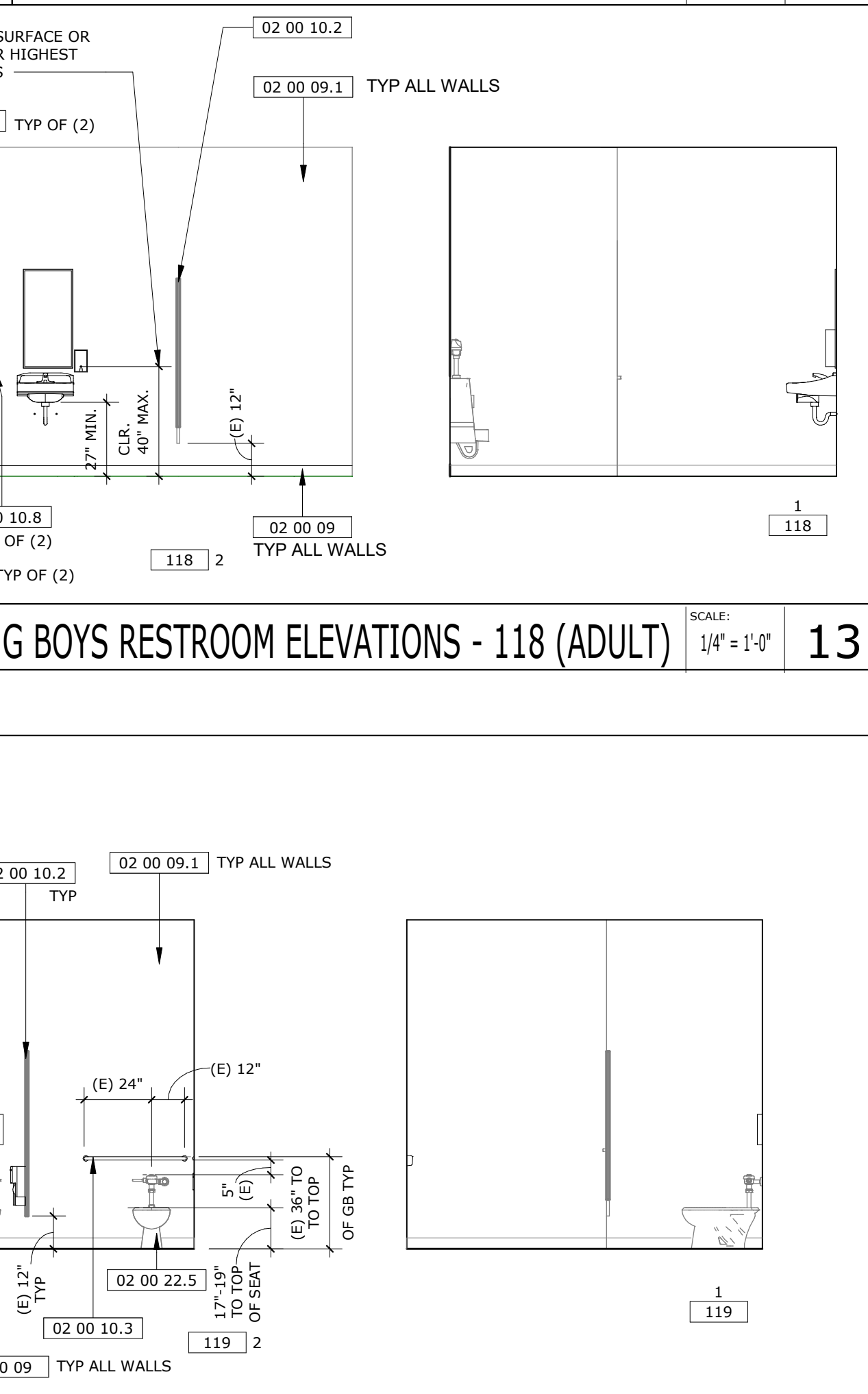
RESTROOM GENERAL NOTES



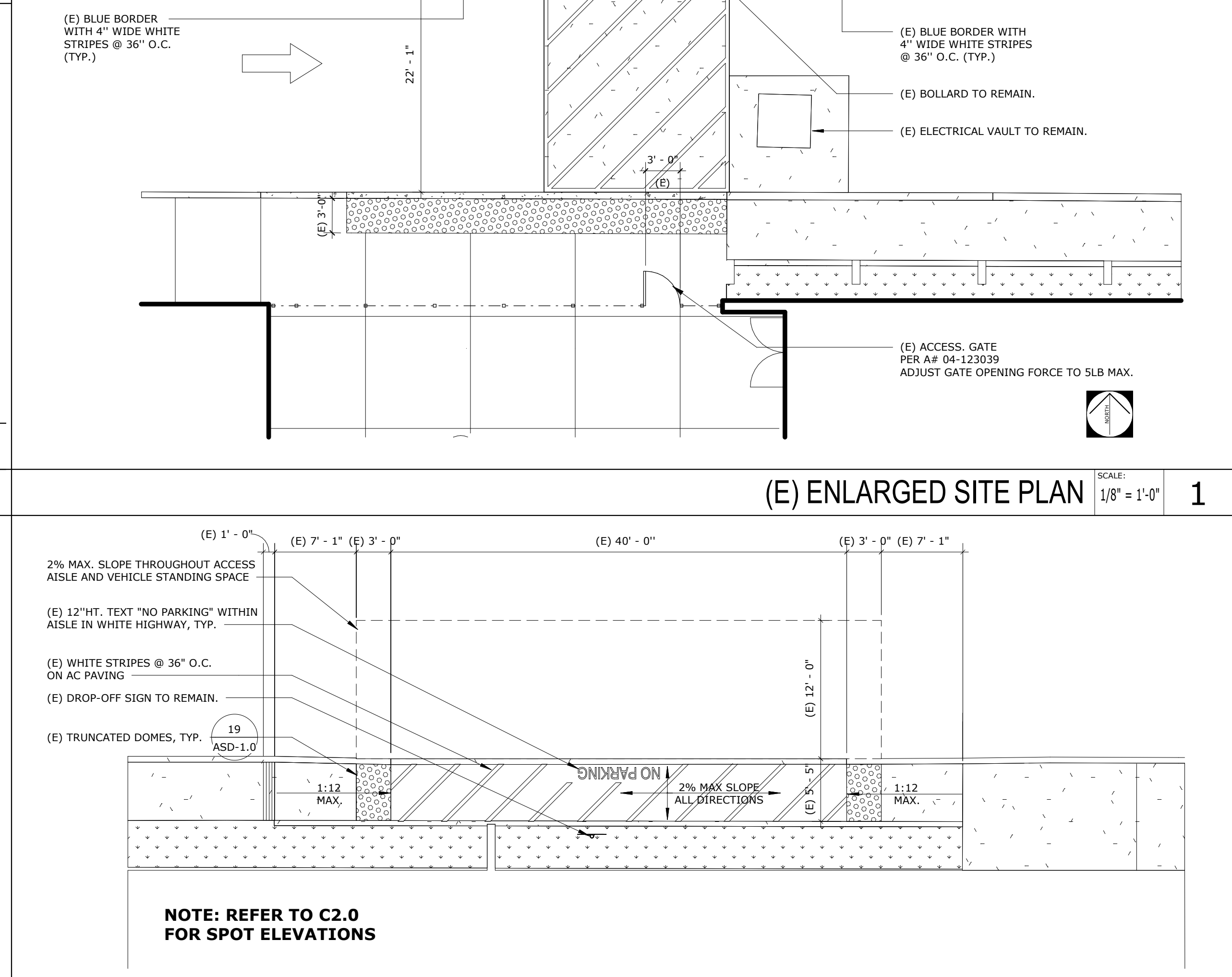
SIGN PLACEMENT



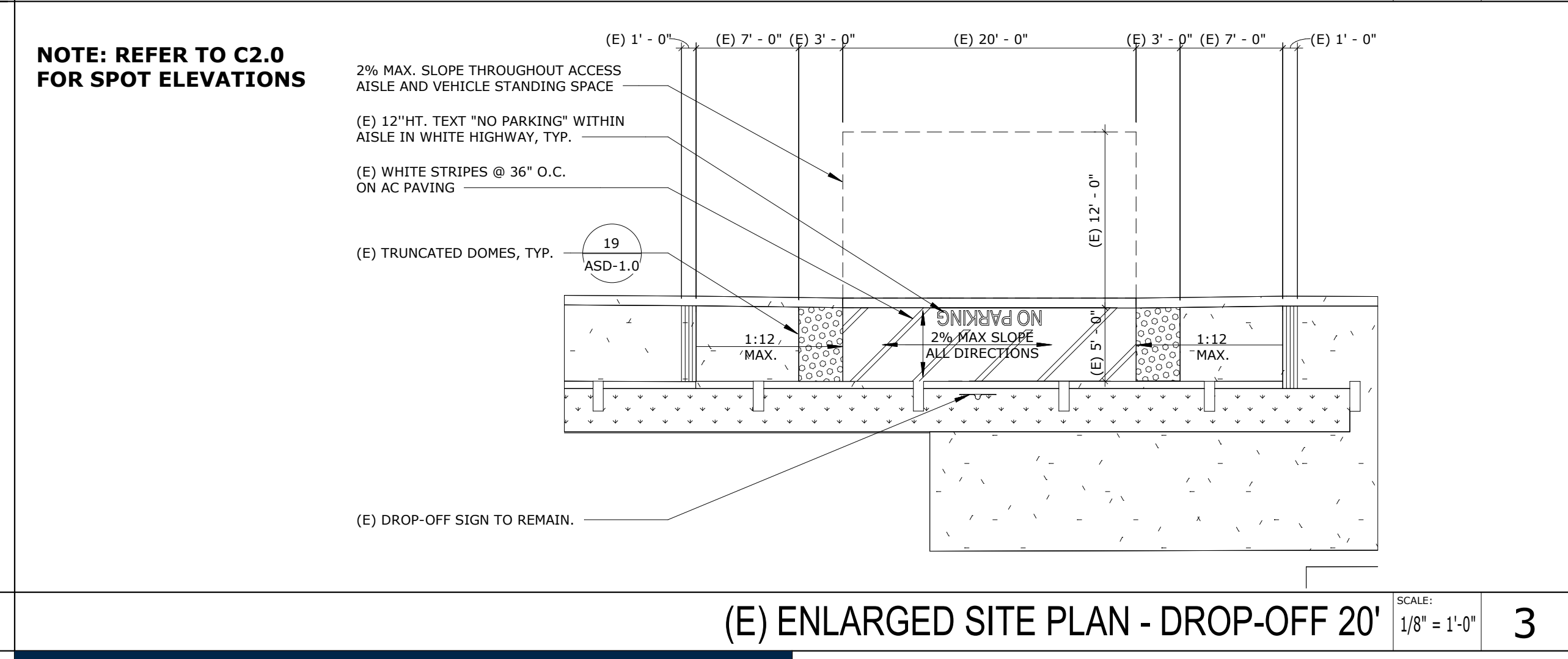
EXISTING BOYS RESTROOM ELEVATIONS - 118 (ADULT)



EXISTING GIRLS RESTROOM ELEVATIONS - 119 (ADULT)

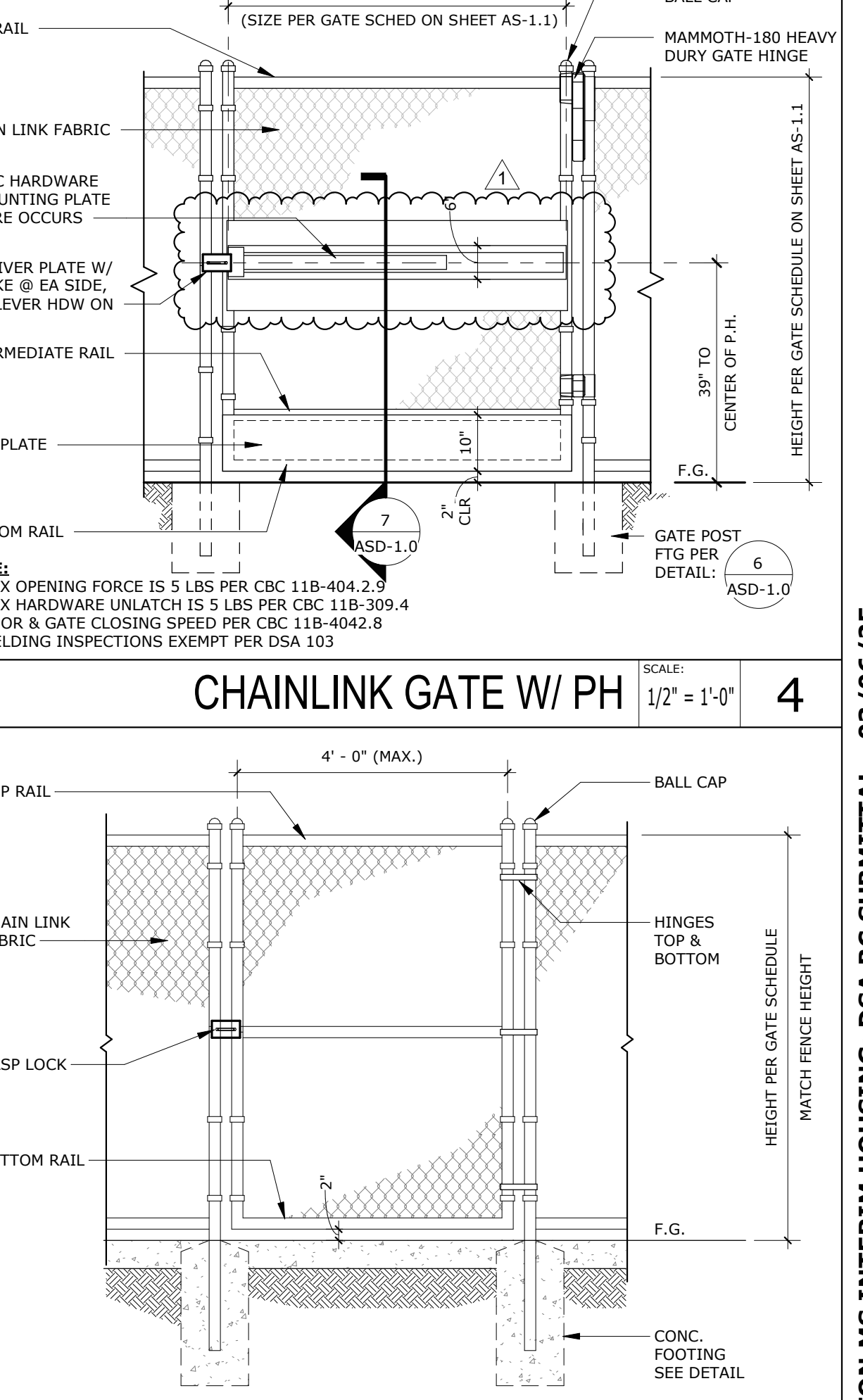
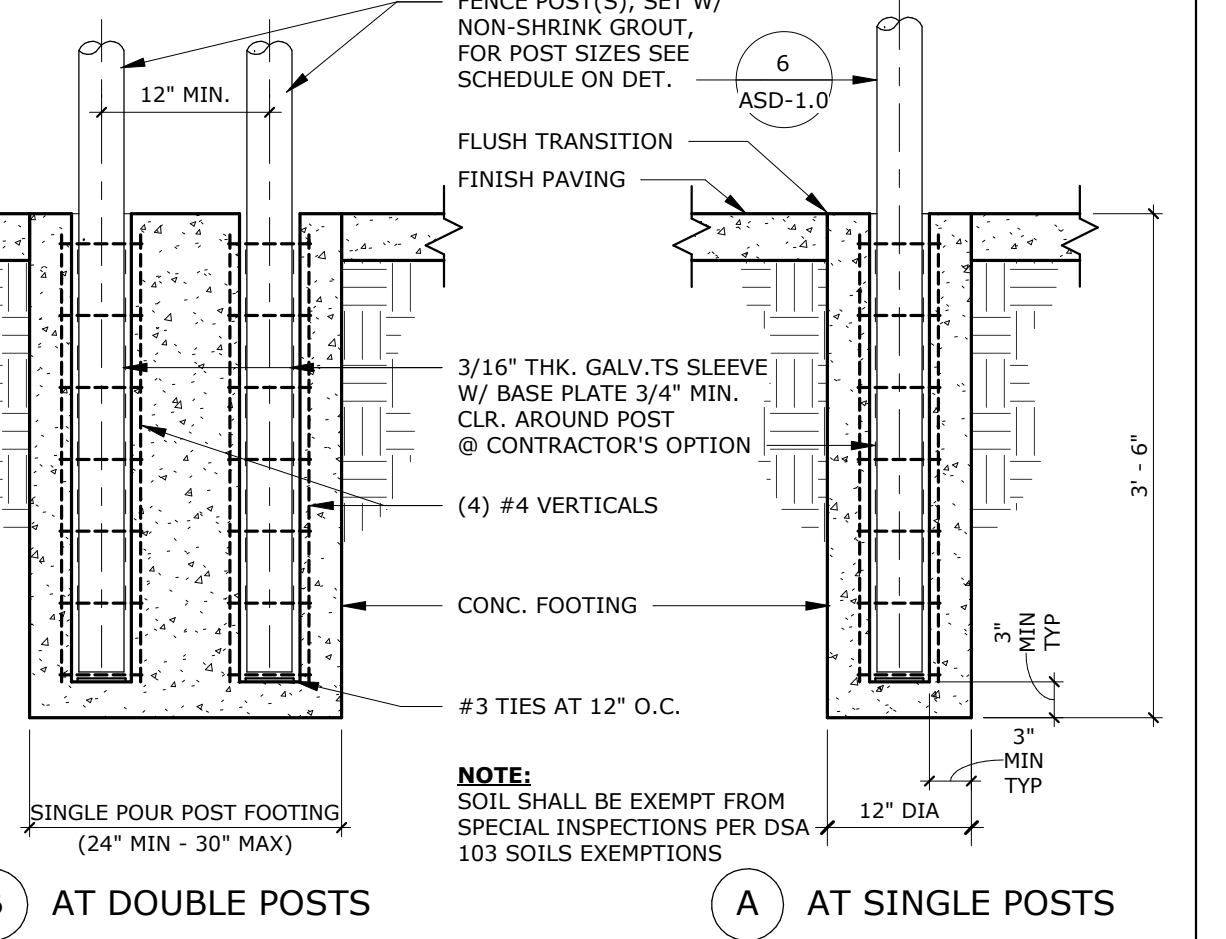
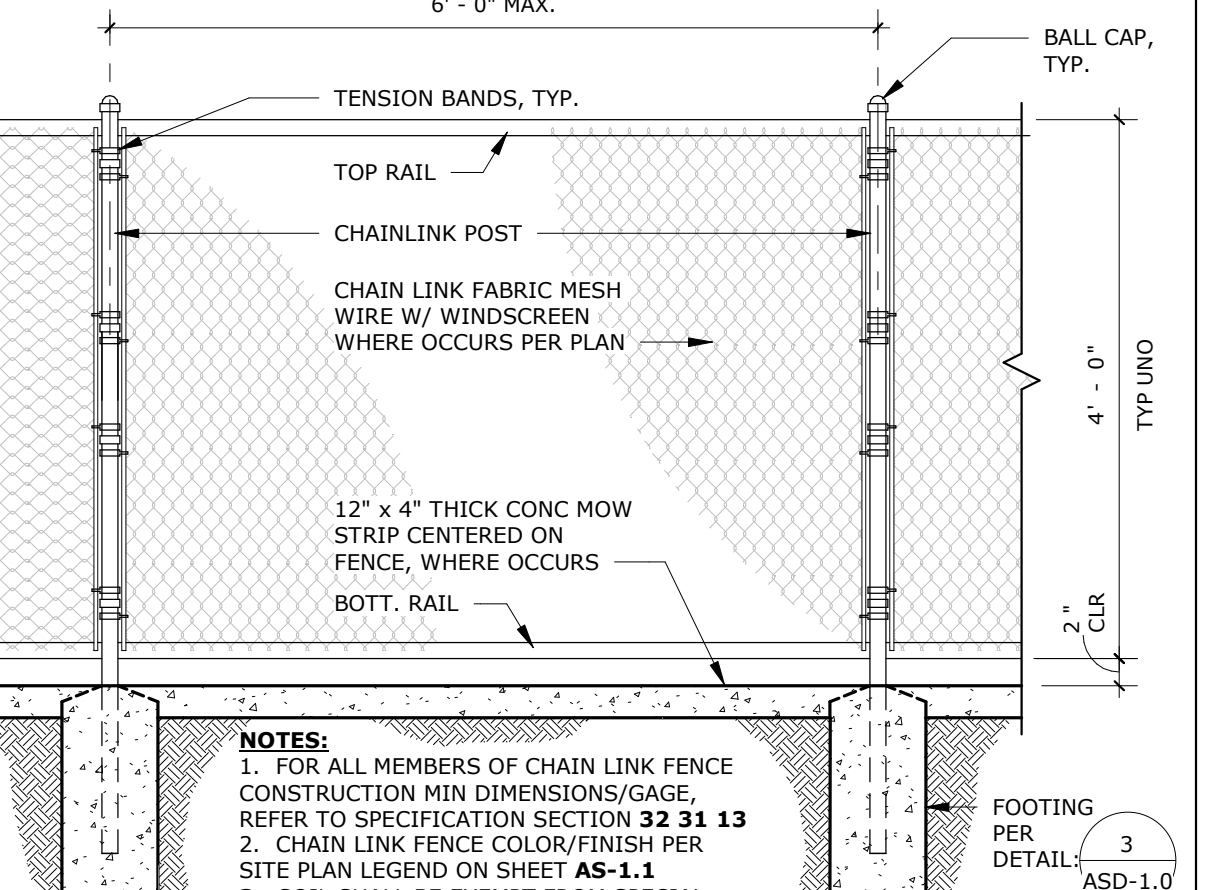
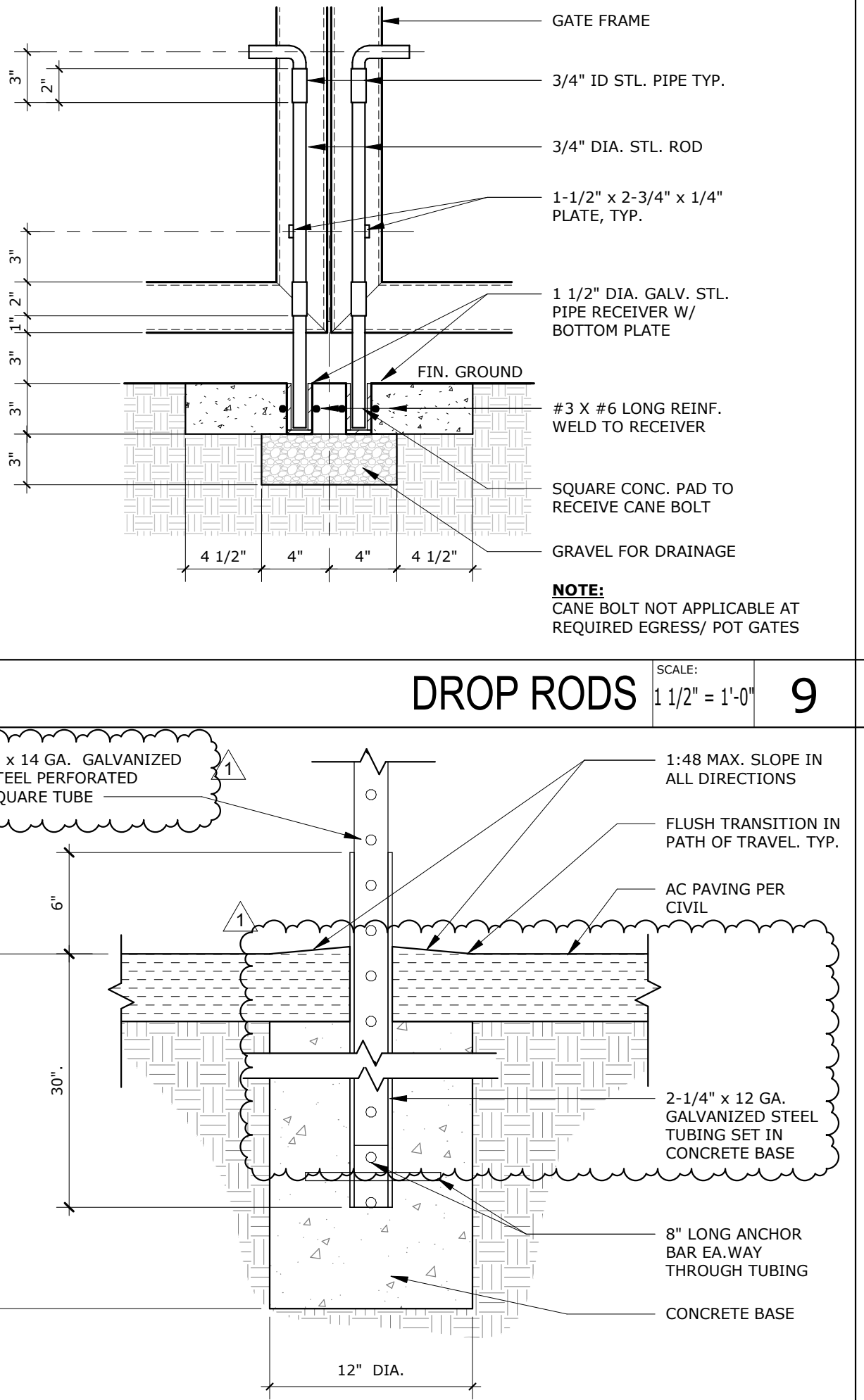
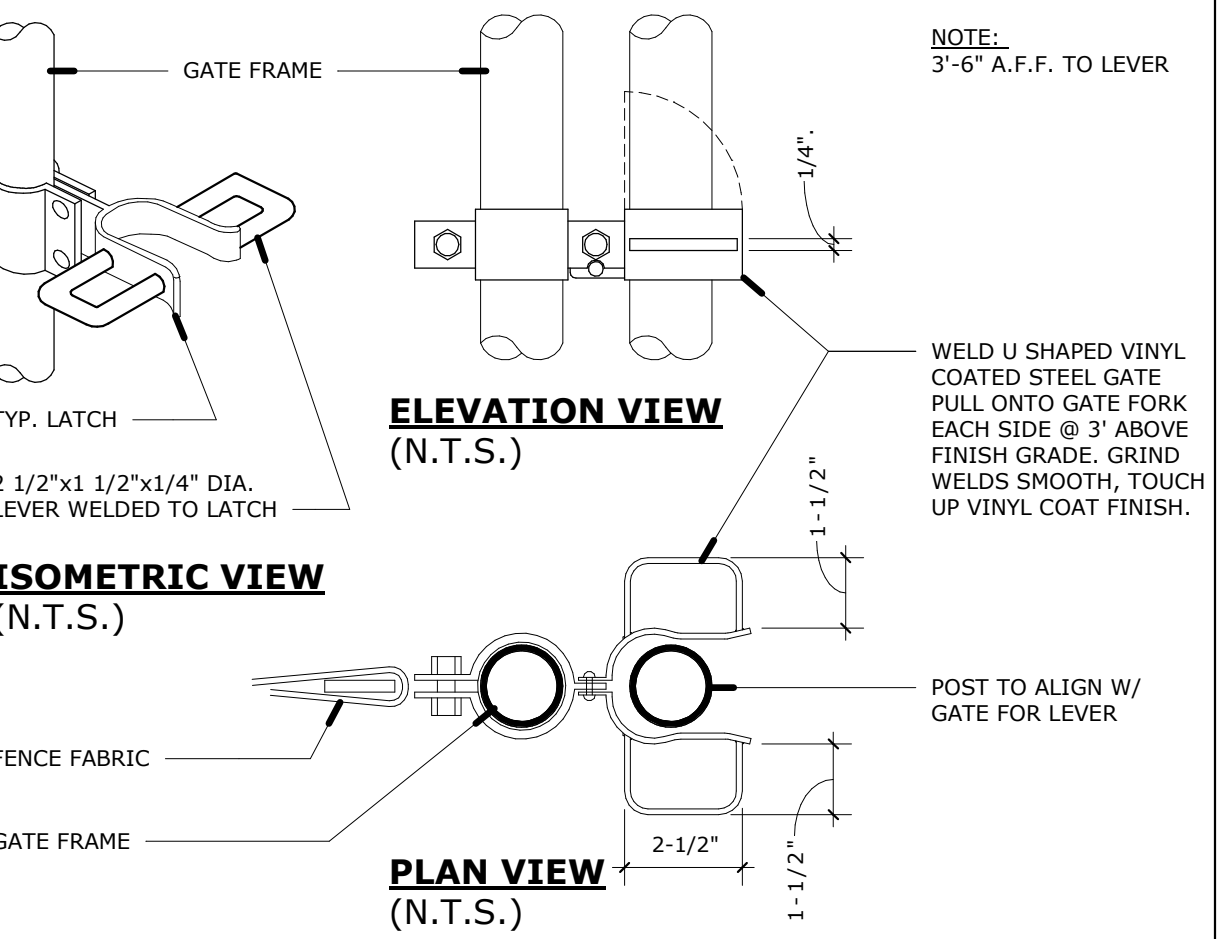
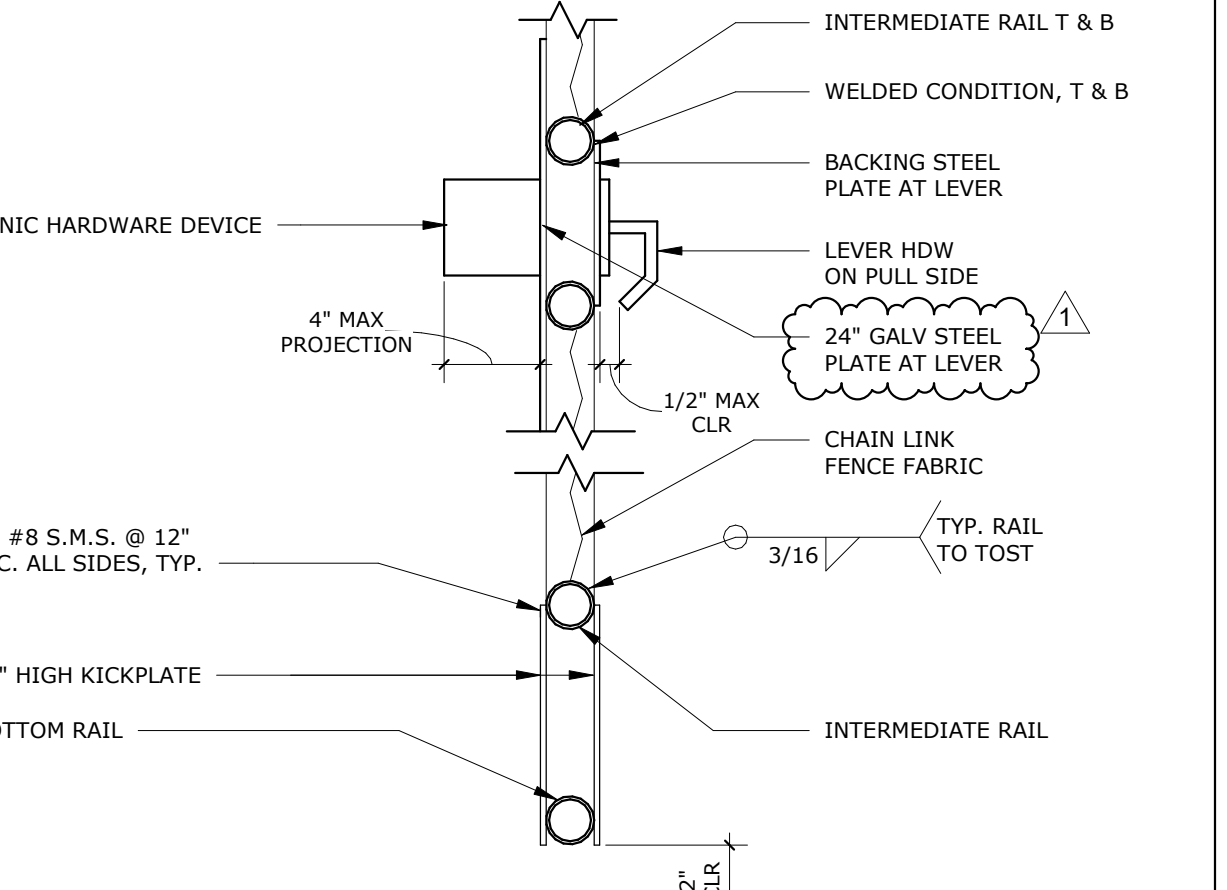
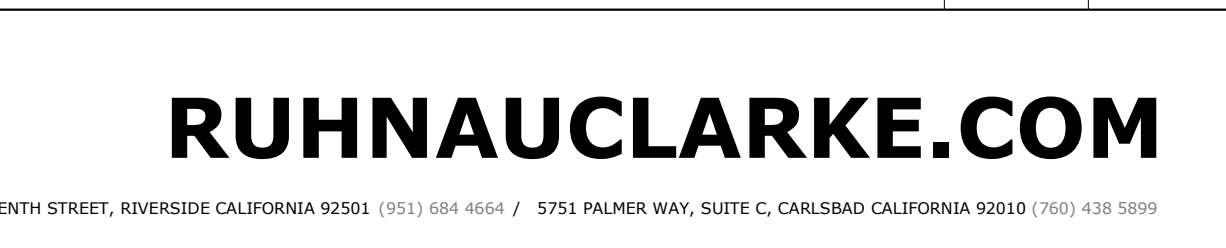
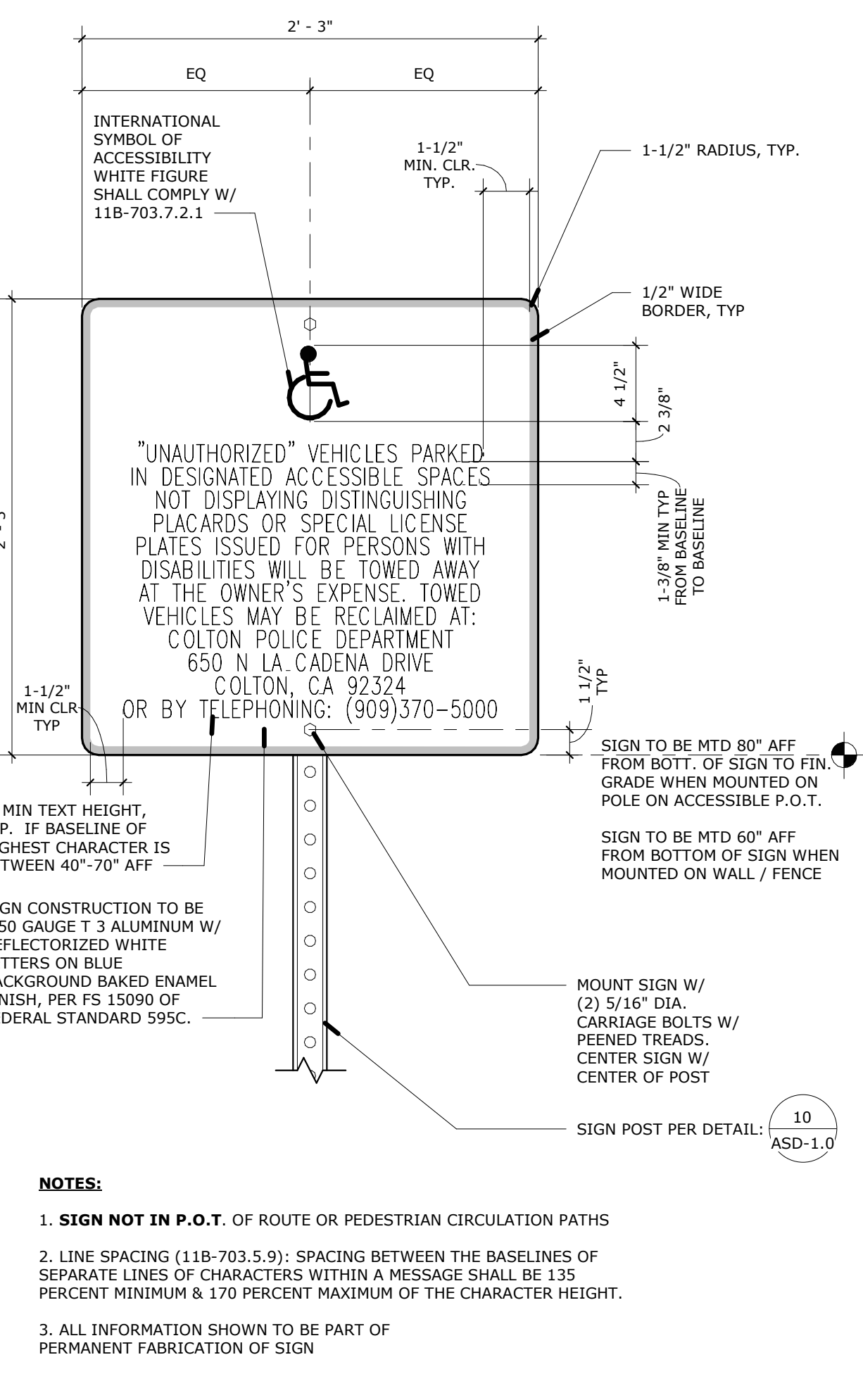
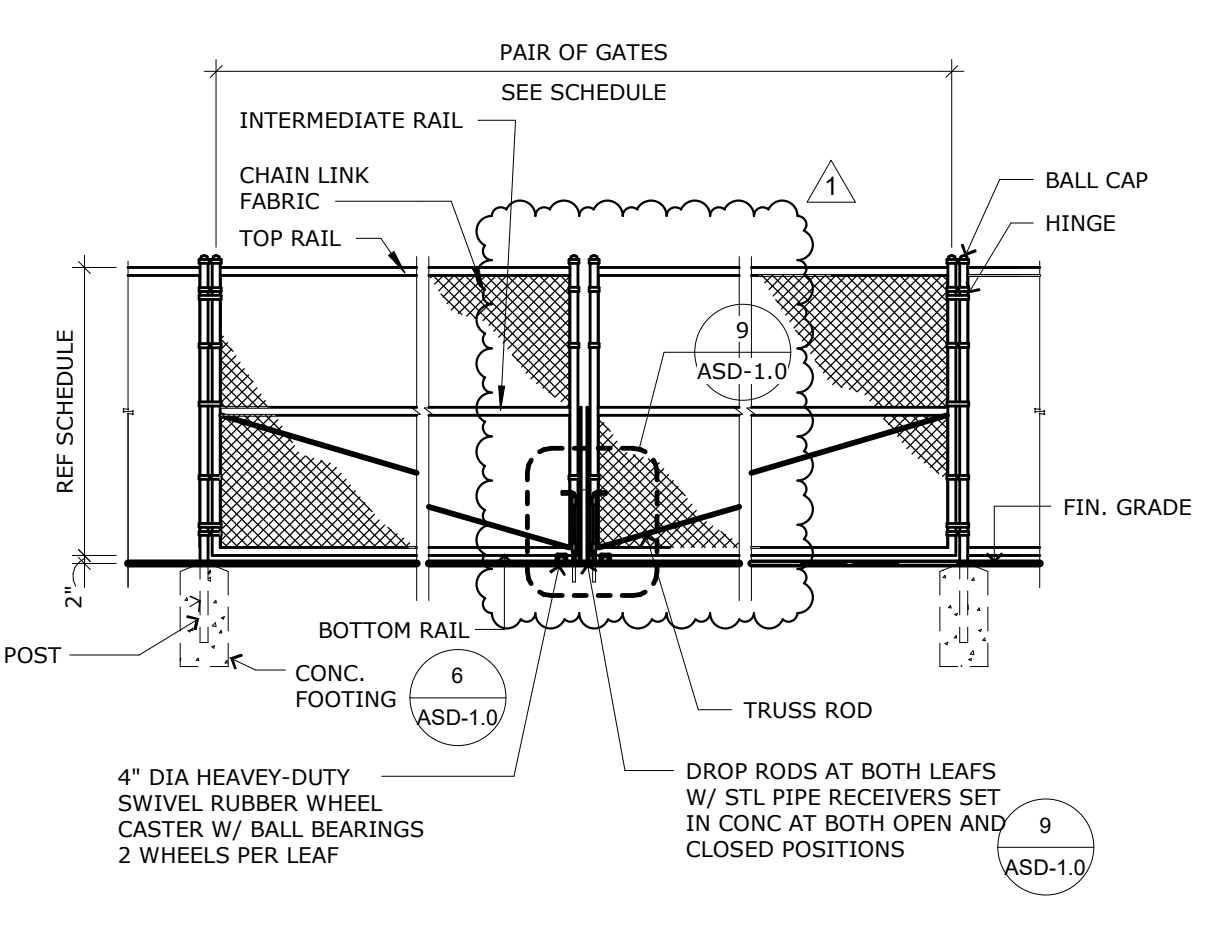
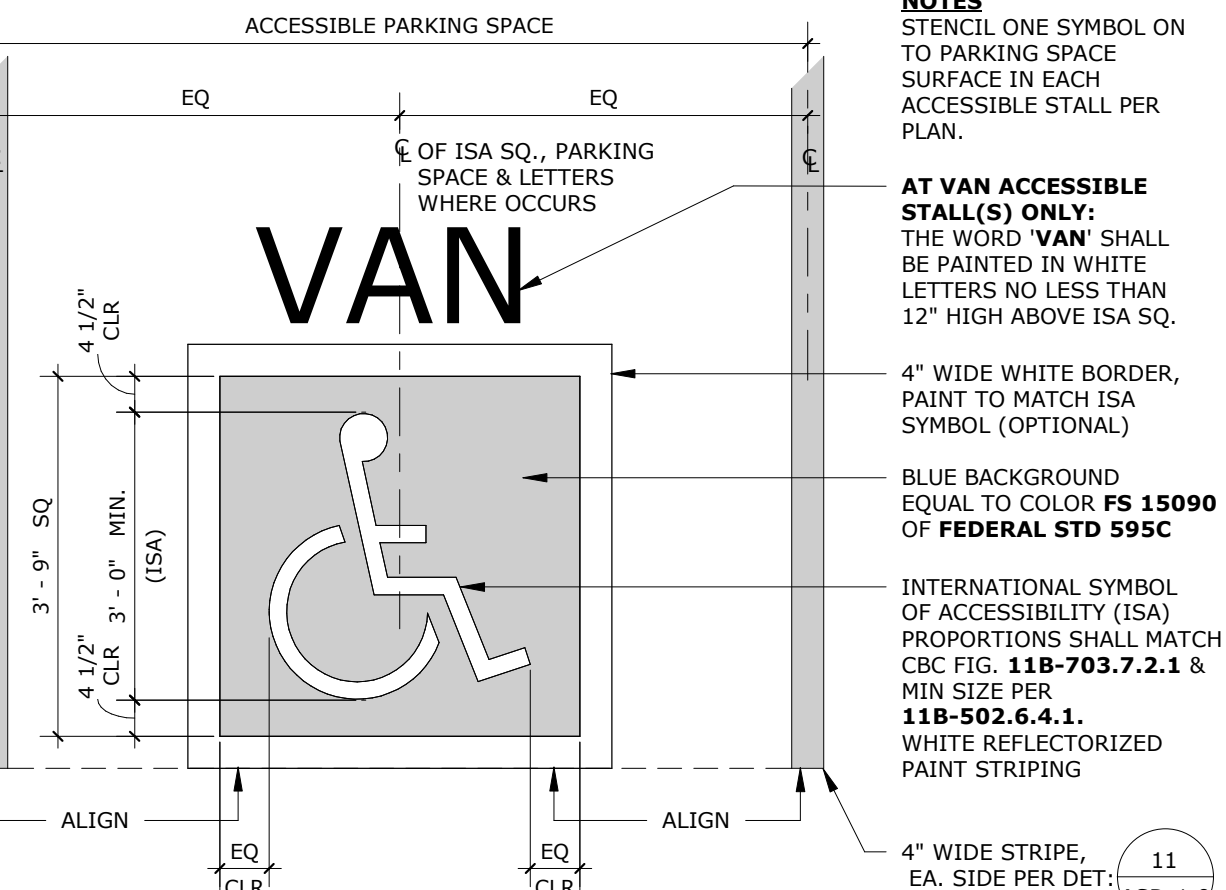
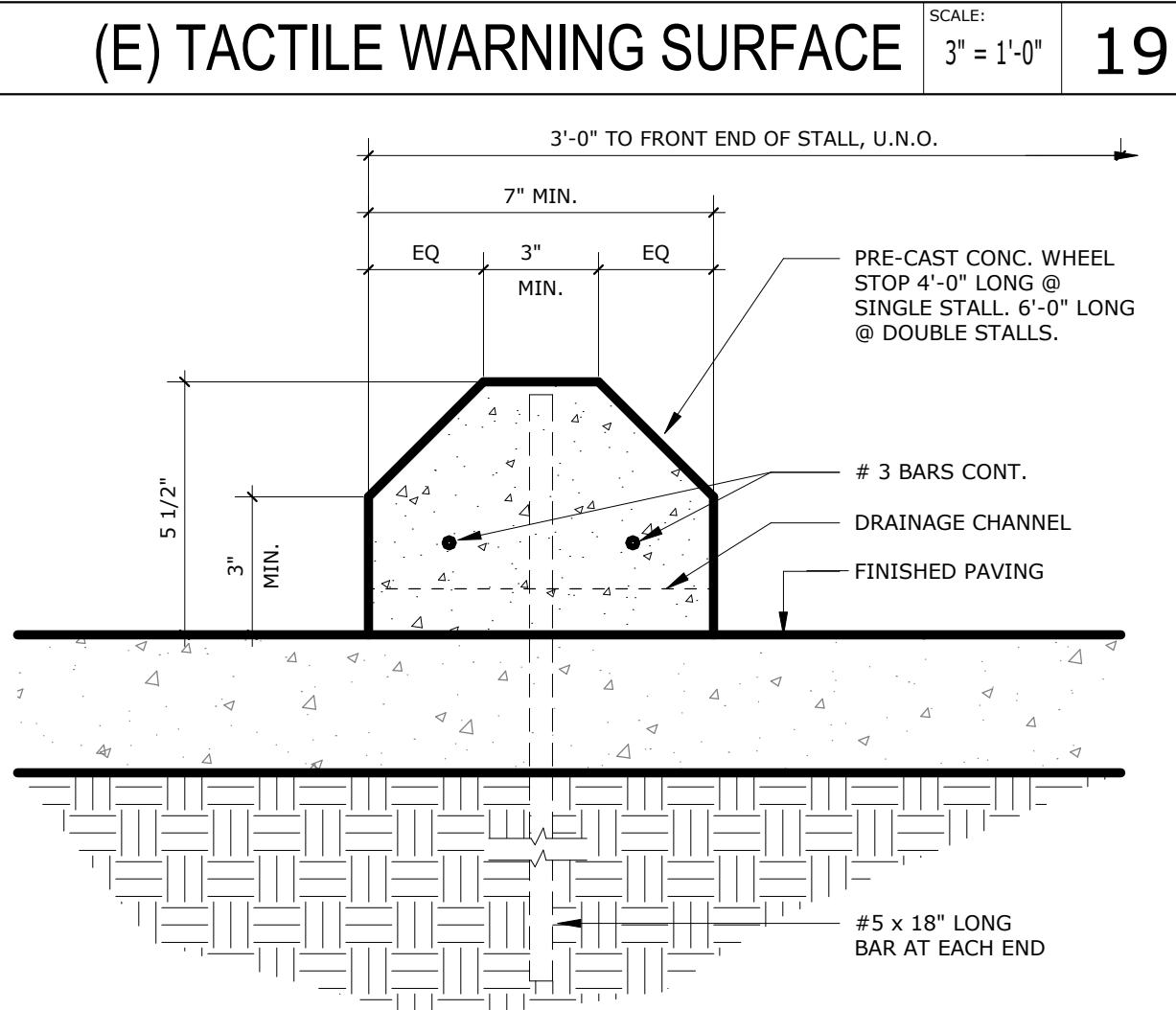
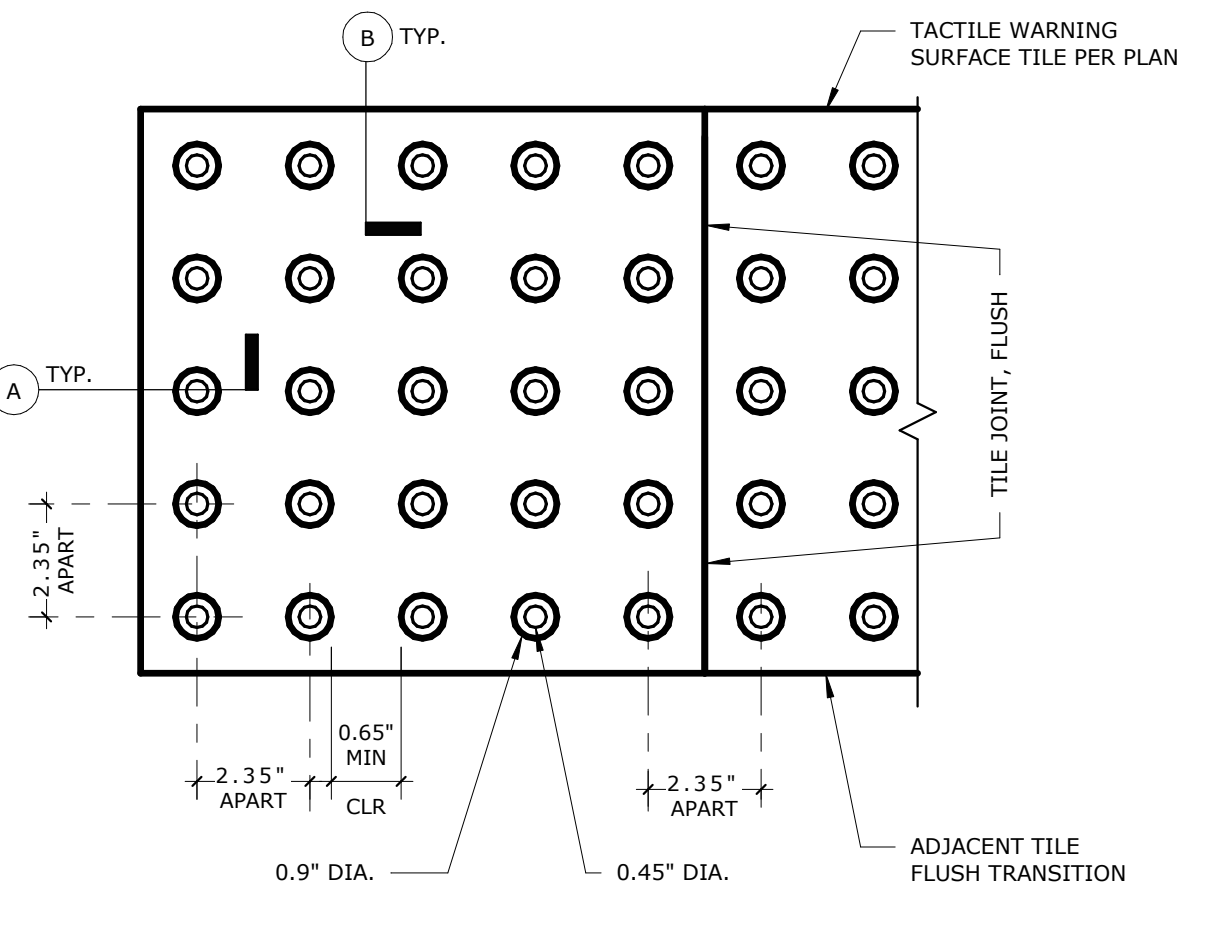
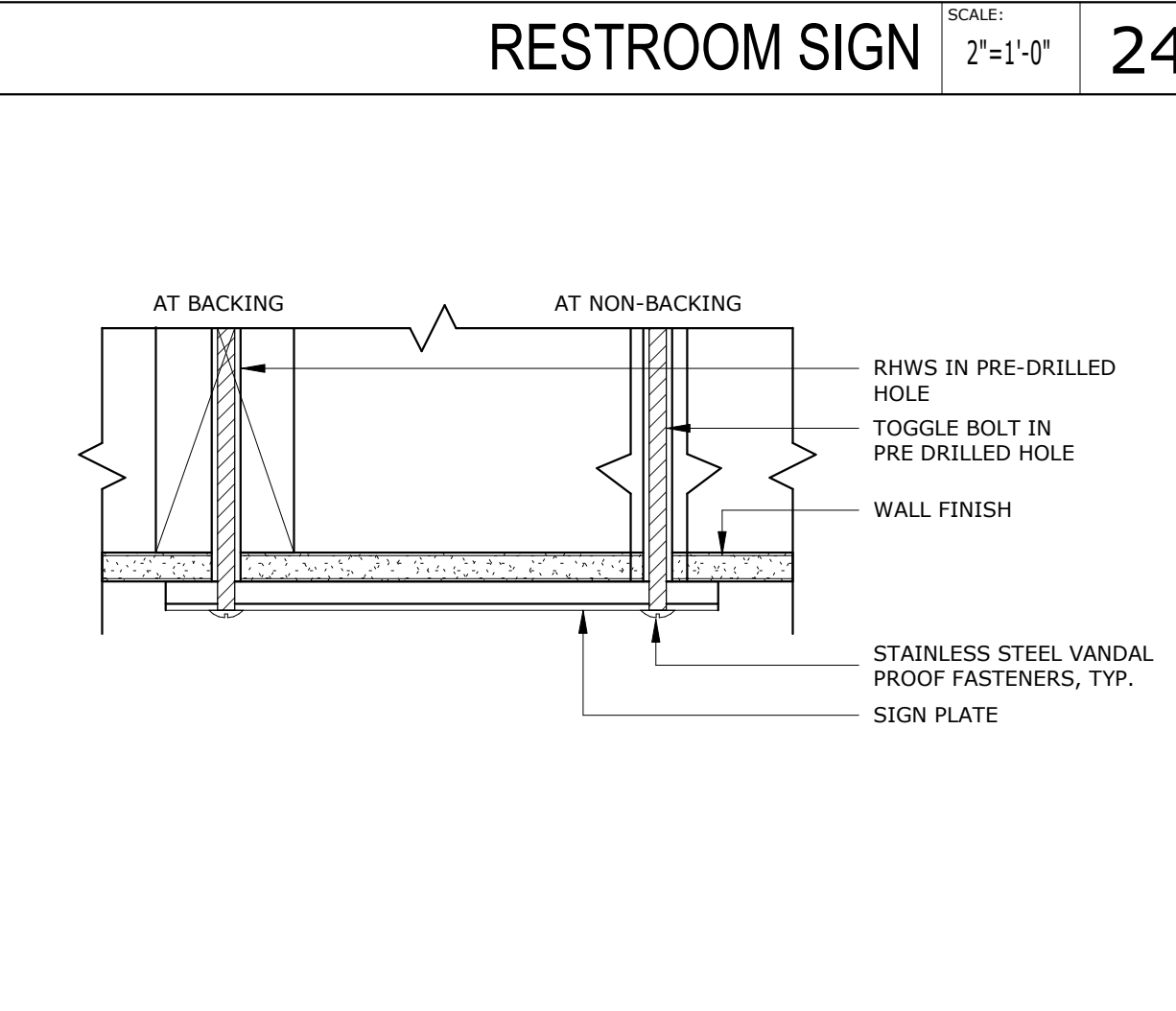
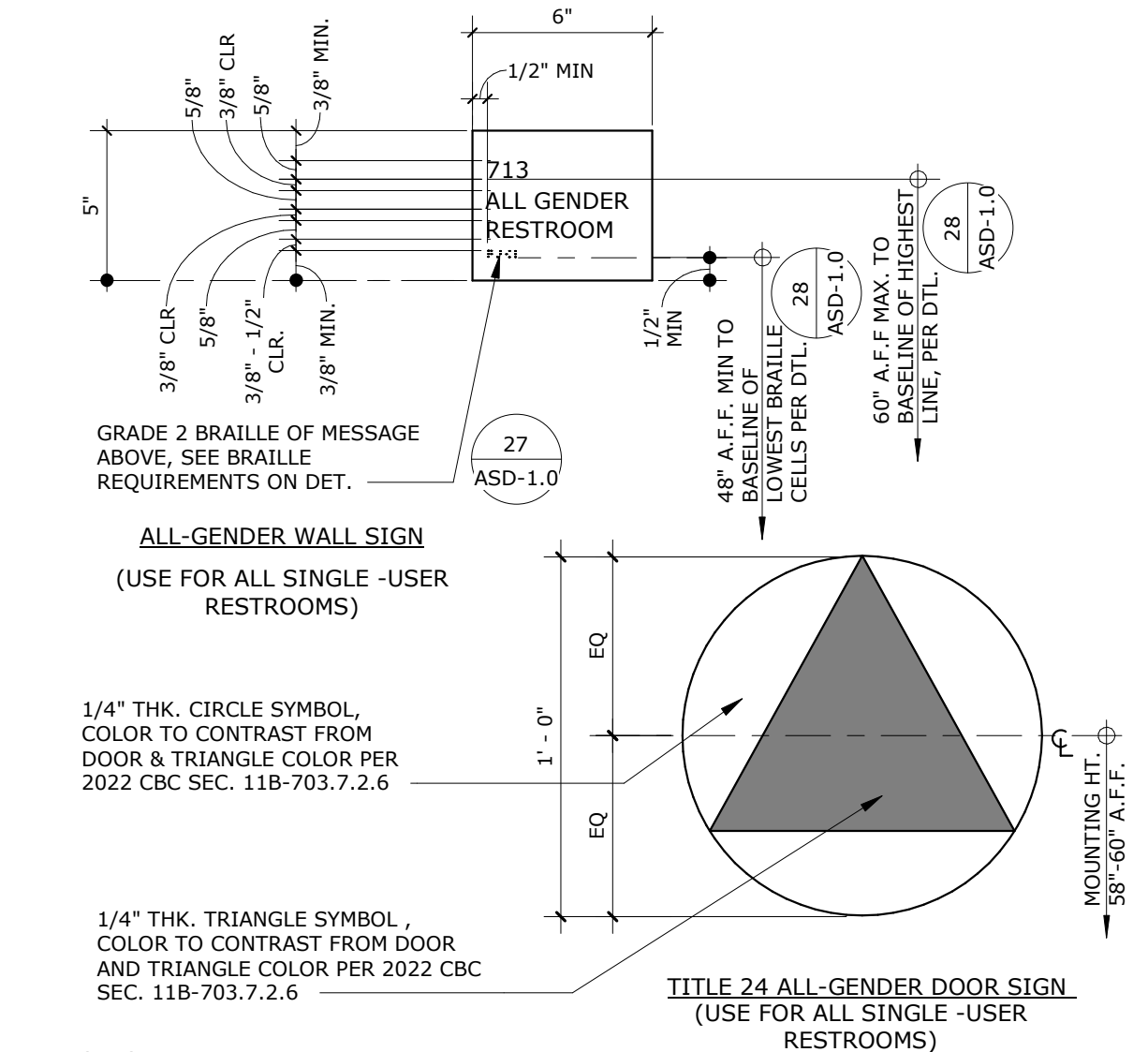
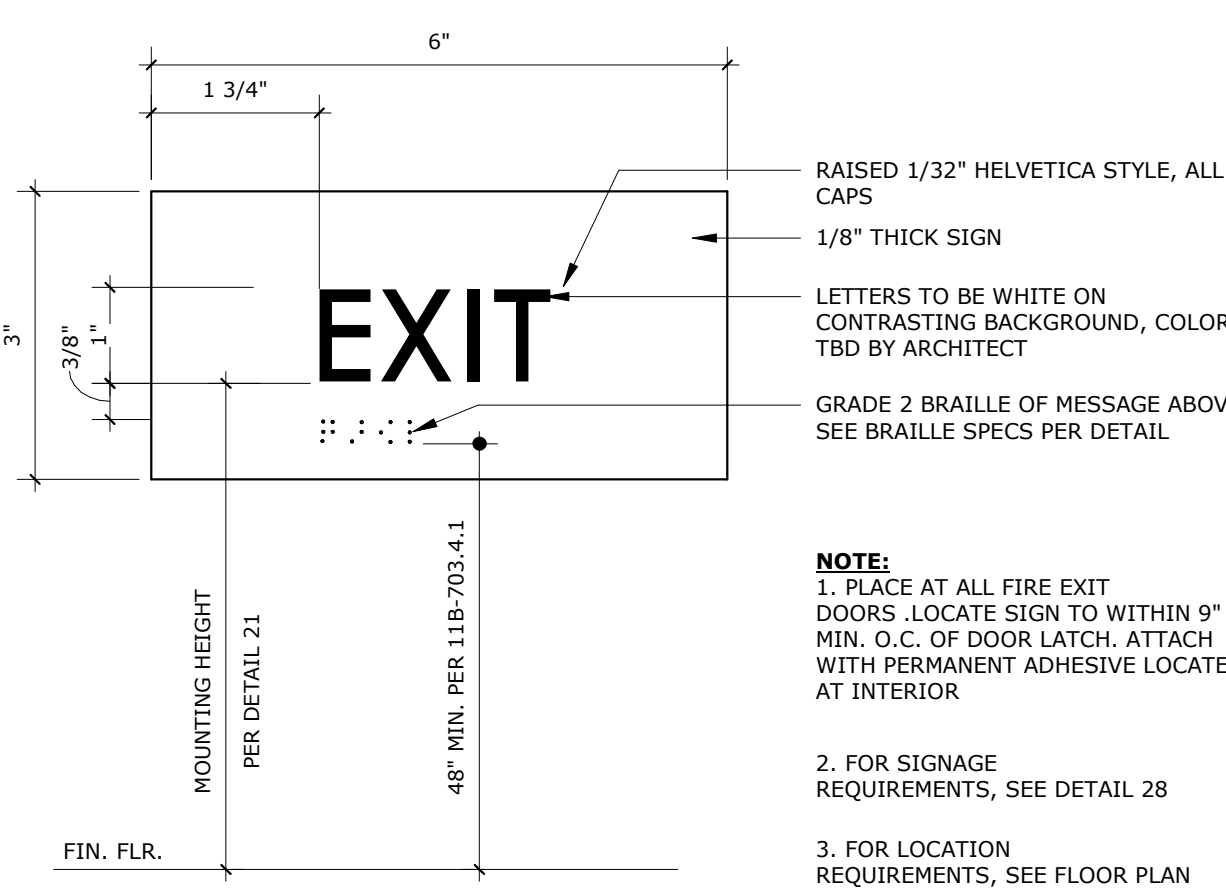
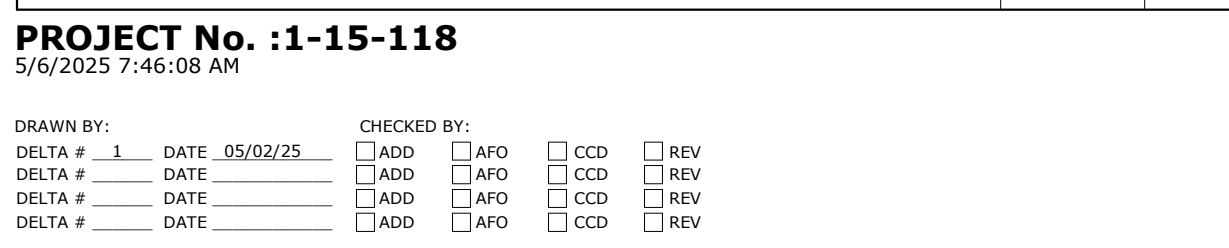
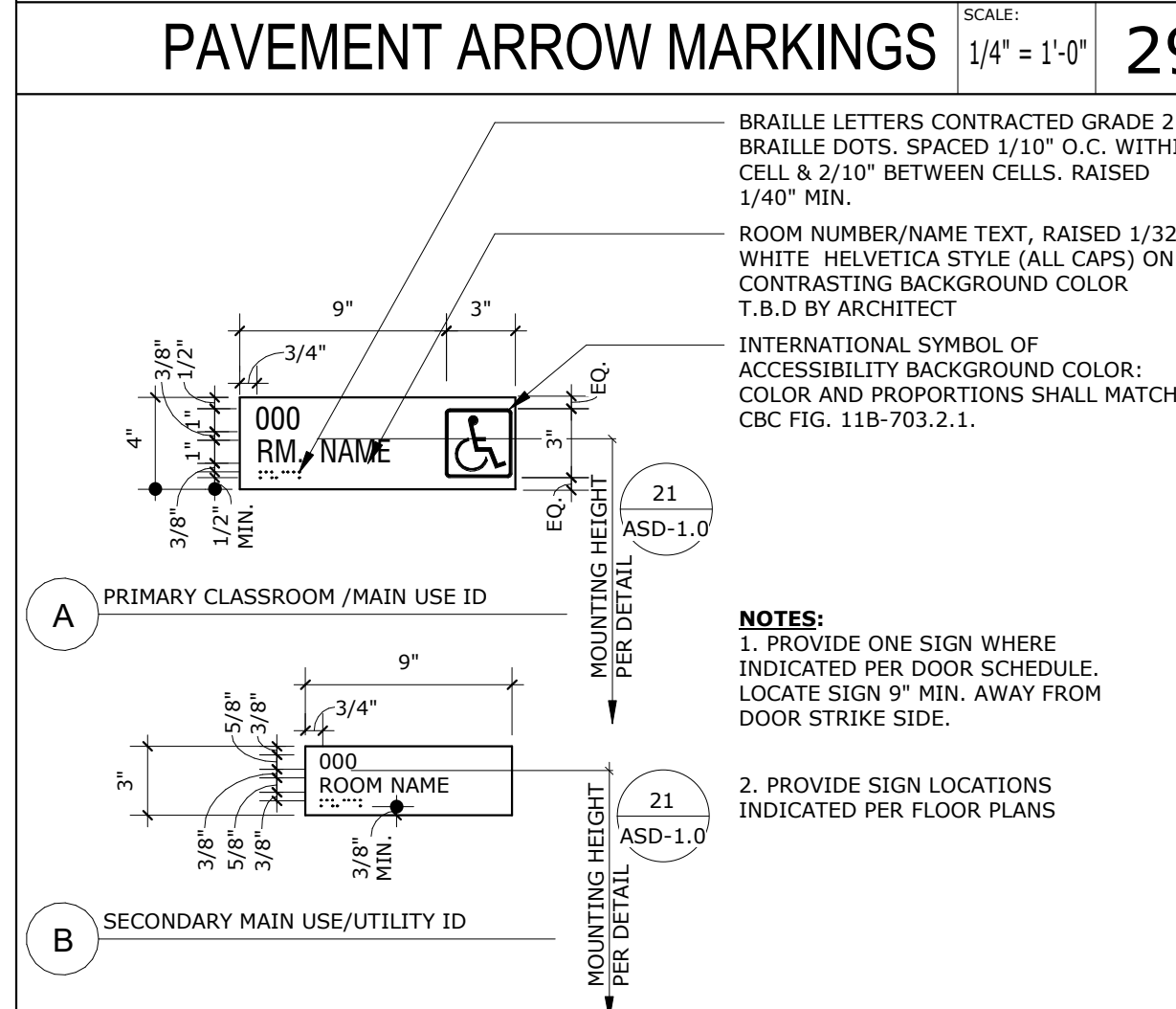
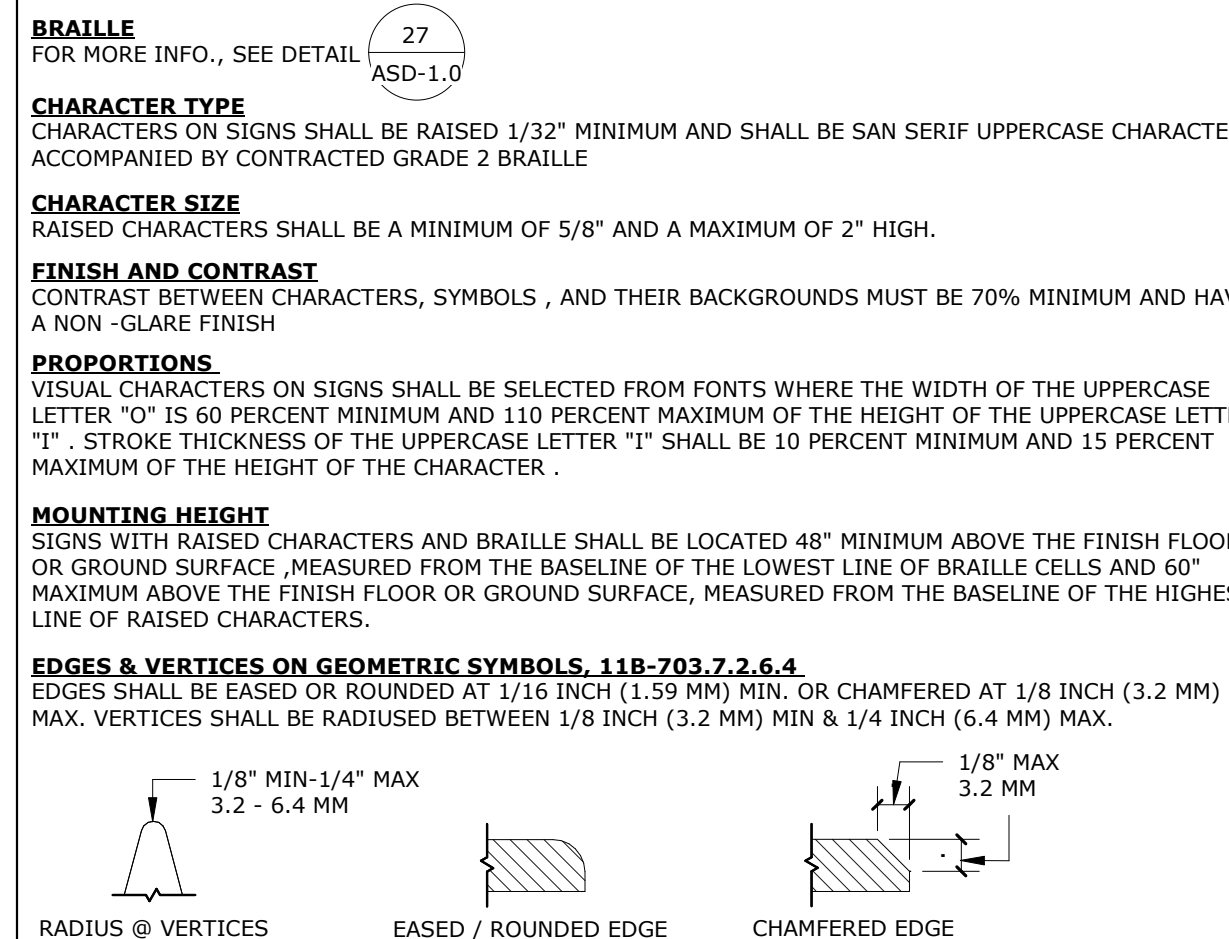


(E) ENLARGED SITE PLAN - DROP-OFF 40'





(E) ENLARGED SITE PLAN - DROP-OFF 20'



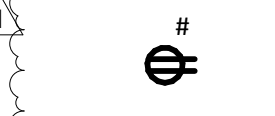





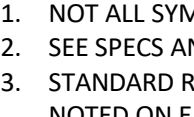
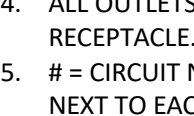




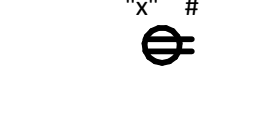
## ELECTRICAL SYMBOLS:

LINE TYPE/SYMBOL	DESCRIPTION
	CONDUIT CONCEALED IN FINISHED AREAS OR EXPOSED IN UNFINISHED AREAS
	CONDUIT STUB - TERMINATE WITH CAP

## ELECTRICAL SYMBOLS:

LINE TYPE/SYMBOL	DESCRIPTION
	DUPLEX CONVENIENCE RECEPTACLE 20A, 125V - "H" INDICATES CIRCUIT NUMBER
	FLUSH MOUNTED FLOOR BOX - POWER AND DATA RECEPTACLES - "H" INDICATES CIRCUIT NUMBER
	JUNCTION BOX - FLUSH WALL MOUNT
	JUNCTION BOX - FLUSH CEILING MOUNT/IN CEILING SPACE
	PULL BOX - SIZE AS INDICATED OR REQUIRED BY CODE
	ELECTRICAL DISTRIBUTION BOARD
	ELECTRICAL SURFACE MOUNT BRANCH CIRCUIT PANELBOARD
	DISCONNECT SWITCH - UNFUSED TYPE - SEE DRAWINGS FOR SIZE - (xxA) INDICATES AMPERAGE

- NOTES:
- NOT ALL SYMBOLS MAY APPLY.
  - SEE SPECS AND DRAWINGS FOR SPECIFIC COMPONENT REQUIREMENTS.
  - STANDARD RECEPTACLE SHALL BE 20A, 125V OTHERWISE NEMA CONFIGURATION SHALL BE NOTED ON EACH OUTLET & RECEPTACLE.
  - ALL OUTLETS & RECEPTACLES SHALL BE FLUSH MOUNT UNLESS OTHERWISE NOTED ON EACH RECEPTACLE. S= SURFACE MOUNT.
  - "H" = CIRCUIT NUMBER PLACED NEXT TO EACH RECEPTACLE. WP = WEATHER PROOF PLACED NEXT TO EACH RECEPTACLE ACCORDINGLY.

"x" # 	"H" = CIRCUIT NUMBER DESIGNATION "x" = TYPE OF RECEPTACLE BASED ON ACRONYM
ACRONYMS: "C" = "GFCI" = "TP" = "EG" = "AFCI" =	CONTROLLED VIA PLUG LOAD CONTROL TYPE GROUND FAULT CIRCUIT INTERRUPTER TYPE TAMPERPROOF TYPE ELECTRONIC GRADE TYPE ARC FAULT CIRCUIT INTERRUPTER TYPE

## CONTRACTOR ABBREVIATIONS:

ABBREVIATION	DESCRIPTION
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.A.C.	FIRE ALARM CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROL CONTRACTOR

## DSA ANCHORAGE NOTES:

**MEP COMPONENT ANCHORAGE NOTE**  
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS.

THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30:

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

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

- 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.
- 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 COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

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

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

- [ J]MP [ J]MD [ J]PP [ X]E-OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.  
[ J]MP [ J]MD [ J]PP [ J]E-OPTION 2: SHALL COMPLY WITH HCAI (OSHPO) PRE-APPROVAL (OPM#) #OPEM-####-##, AS INCLUDED IN THESE DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

## ELECTRICAL ABBREVIATIONS:

ABBREVIATION	DESCRIPTION
AFG	ABOVE FINISHED GRADE
CM	COUNTER MOUNTED
FBO	FURNISHED BY OTHERS
FF	FINISHED FLOOR
IG	ISOLATED GROUND
PED	PEDESTAL MOUNTED
UNO	UNLESS NOTED OTHERWISE
+XX	DIMENSIONED HEIGHT ABOVE FINISHED FLOOR
-XX	DIMENSIONED HEIGHT BELOW FINISHED FLOOR
1P	ONE POLE
ONE WIRE	ONE WIRE
2P	TWO POLE
TWO WIRE	TWO WIRE
3P	THREE POLE
THREE WIRE	THREE WIRE
ALTERNATING CURRENT	ALTERNATING CURRENT
ADJ	ADJUSTABLE
AF	AMP FRAME
AFC	AVAILABLE FAULT CURRENT
AFCI	AVAILABLE FAULT CURRENT INTERRUPTER
AHU	AIR-HANDLING UNIT
AIC	AMPERES INTERRUPTING CAPACITY
AT	AMP TRIP
C.O.	CONDUIT ONLY
CB	CIRCUIT BREAKER
CKT	CIRCUIT
D	DEDICATED DEVICE ON INDIVIDUAL BRANCH CIRCUIT. CIRCUIT CAN BE COMBINED WITH OTHER CIRCUITS FOR HOMERUNNING TO PANEL.
DISC	DISCONNECT
DN	DOWN
EM	EQUIPMENT POWERED WITH EMERGENCY SOURCE-INTERNAL OR EXTERNAL, UNLESS NOTED OTHERWISE
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FSD	FIRE SMOKE DAMPER
FT, "	FOOT OR FEET
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
IN, "	INCH OR INCHES
INV	EMERGENCY INVERTER
J-BOX	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILLS
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTO	LIGHTING
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MIN	MINIMUM
MILO	MAIN LUGS ONLY
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO, #	NUMBER
NTS	NOT TO SCALE
RTU	ROOFTOP UNIT
SD	SMOKE DAMPER
SPEC	SPECIFICATION
TYP	TYPICAL
U.C.	UNDERGROUND CONDUIT
UP	UP THRU ROOF
WP	WEATHERPROOF

- NOTES:
- NOT ALL ABBREVIATIONS MAY APPLY.
  - ELECTRICAL SCHEDULES CONTAIN EQUIPMENT TAG ABBREVIATIONS THAT ARE HEREBY INCORPORATED INTO THE ABBREVIATION LIST.
  - SEE OTHER DISCIPLINE DRAWINGS WITHIN THE CONSTRUCTION DOCUMENTS FOR ABBREVIATIONS NOT DEFINED ABOVE OR IN ELECTRICAL SCHEDULES.

## GENERAL NOTES:

- INSTALLATION SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S INSTALLATION REQUIREMENTS.
- REVIEW ALL PROJECT DOCUMENTS INCLUDING SPECS AND DRAWINGS PERTAINING TO ALL DISCIPLINES PRIOR TO SUBMITTING A BID. SUBMIT PRE-BID REQUEST FOR INFORMATION FOR ITEMS IN QUESTION AND/OR CONFLICTS FOUND.
- DRAWINGS SHOW THE DESIGN INTENT DIAGRAMMATICALLY. THEY DO NOT SHOW THE EXACT UTILITY ROUTING NOR EVERY ELBOW, OFFSET, ETC. WHERE REQUIRED, THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO THEIR SYSTEMS TO AVOID CONFLICT WITH THE STRUCTURE AND OTHER DISCIPLINES. THE COST FOR SUCH ADJUSTMENTS SHALL BE INCLUDED IN THE BID.
- OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR WORK PERFORMED.
- OBTAIN UTILITY PURVEYOR REQUIREMENTS PRIOR TO PURCHASING EQUIPMENT OR PERFORMING WORK.
- THE G.C. OR C.M. TEAM SHALL LEAD THE SUBCONTRACTORS IN PROVIDING A COORDINATED SET OF SHOP DRAWINGS. SEE GENERAL REQUIREMENTS SPEC FOR ADDITIONAL INFORMATION.
- PROVIDE FIRESTOPPING FOR ALL UTILITY PENETRATIONS THRU FIRE-RATED ASSEMBLIES.
- COORDINATE FRAMING REQUIREMENTS FOR ACCESS PANELS AND EQUIPMENT/PANEL SUPPORTS WITH G.C. OR C.M. PRIOR TO SUBMITTING BID.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE CORRECTION OF CONSTRUCTION DEFICIENCIES LISTED ON THE JOB SITE OBSERVATION REPORT. RETURN THE JOB SITE OBSERVATION REPORT TO A/E WITH DEFICIENCIES SIGNED OFF. PROVIDE PHOTOGRAPHIC AND/OR VIDEO EVIDENCE OF CORRECTED DEFICIENCIES IF REQUESTED BY THE ENGINEER.
- PROVIDE CLOSEOUT DOCUMENTATION UPON COMPLETION OF PROJECT. SEE GENERAL REQUIREMENTS SPEC FOR ADDITIONAL INFORMATION.

## ELECTRICAL NOTES:

- ELECTRICAL WORK SHALL BE CONSTRUCTED IN A PROFESSIONAL MANNER. COMPONENTS SHALL BE CLEANED PRIOR TO OWNER TURNOVER.
- THE SCHEDULED EQUIPMENT SHALL BE USED AS THE BASIS OF DESIGN. MODEL NUMBERS ARE PROVIDED FOR REFERENCE ONLY. EQUIPMENT SHALL MEET SPECIFIED PERFORMANCE. THE CONTRACTOR SHALL IDENTIFY ALL SELECTED OPTIONS IN THE SUBMITTAL.
- IF A CONTRACTOR PROVIDES EQUIPMENT OTHER THAN THE BASIS OF DESIGN, THAT CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED AS A RESULT. THAT INCLUDES, BUT IS NOT LIMITED TO, AGENCY FEES FOR REVIEW OF CHANGES, STRUCTURAL MODIFICATIONS FOR INCREASED WEIGHT AND, ELECTRICAL EQUIPMENT, WIRING, CONDUIT, AND BREAKER CHANGES FOR DIFFERENT ELECTRICAL REQUIREMENTS.
- SEE SPEC SECTIONS 26 05 33 AND FOR CONDUIT/RACEWAY SYSTEM INSTALLATION AND CLEANING REQUIREMENTS.
- PROVIDE CONDUIT OR RACEWAY EXPANSION JOINT THAT ACCOMMODATES THE BUILDING MOVEMENT WHERE CONDUIT OR RACEWAY CROSSES BUILDING EXPANSION JOINT.
- PAINT INTERIOR EXPOSED CONDUIT/RACEWAYS, PULL BOXES, AND ASSOCIATED HANGERS/SUPPORTS LOCATED IN OCCUPIED SPACES TO MATCH THE SURROUNDING ARCHITECTURAL COLOR SCHEME. PAINT EXTERIOR CONDUIT/RACEWAYS, PULL BOXES, AND ASSOCIATED HANGERS/SUPPORTS ADJACENT TO EXTERIOR WALL TO MATCH WALL COLOR. FINAL COLORS SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER. SEE SPEC SECTION 26 0500 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE IDENTIFICATION FOR CONDUIT/RACEWAYS, PULL BOXES, AND EQUIPMENT PER SPEC SECTION 26 0553.
- CONDUIT/RACEWAY SHALL NOT PASS THRU NOR UNDER DATA ROOMS, ELEVATOR MACHINE ROOMS, ELEVATOR HOISTWAYS, SKYLIGHTS, AND ROOF ACCESS HATCHES.
- PULL BOXES SHALL BE ACCESSIBLE. PROVIDE KEYPAD ACCESS PANELS WHERE PULL BOXES HAVE BEEN LOCATED IN CONCEALED AREAS. ACCESS PANEL SIZE SHALL BE LARGE ENOUGH TO ACCESS EACH PULL BOX.
- ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF LIGHTING FIXTURES AND LIGHTING DEVICES WITH MECHANICAL AND FIRE PROTECTION, AND FIRE ALARM DEVICES.
- E.C. SHALL VERIFY U.L. LISTING AND PROCEED WITH FINAL CONNECTION.
- ELECTRICAL OUTLETS INSTALLED ON OPPOSITE SIDES OF FIRE-RATED ASSEMBLIES SHALL BE SEPARATED BY 24". OPENINGS SHALL BE FIRESTOPPED WITH THE SPECIFIED MATERIAL.
- ALL CONDUIT SERVING ROOF-MOUNTED HVAC EQUIPMENT AND MAINTENANCE RECEPTACLES SHALL BE ROUTED IN CEILING SPACE. CONDUIT SHALL PENETRATE ROOF AT EQUIPMENT LOCATIONS ONLY. NO CONDUIT SHALL BE INSTALLED HORIZONTALLY ACROSS ROOF SURFACE.
- WHERE NEW CIRCUIT BREAKERS ARE TO BE ADDED TO EXISTING ELECTRICAL EQUIPMENT, THEY SHALL BE OF THE SAME MANUFACTURER AND DESIGN AS THE EXISTING BREAKERS AND SHALL BE OF THE SIZES INDICATED.

## PROPOSED DIVISION OF RESPONSIBILITY:

- CONTRACTOR SHALL FURNISH ALL SUPPORTING EQUIPMENT SUCH AS BACK-BOXES, CONDUIT, & SLEEVES AS REQUIRED FOR TECHNOLOGY EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECS FOR ADDITIONAL INFORMATION. CONTRACTOR IS RESPONSIBLE FOR PROVIDING COST OF TECHNOLOGY ROUGH-IN IN THEIR BID.
- ALL CONDUIT FOR TECHNOLOGY SITE SERVICE SHALL BE PROVIDED BY E.C. INCLUDING, BUT IS NOT LIMITED TO, MANHOLES & HANDHOLES.
- ALL SLEEVES REQUIRED FOR TECHNOLOGY EQUIPMENT SHALL BE INSTALLED BY ELECTRICAL CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL COORDINATE WITH TECHNOLOGY CONTRACTOR FOR MATCHING TYPE & COLOR OF FACEPLATES. OBTAIN ARCHITECT AND OWNER APPROVAL ON TYPE AND COLOR PRIOR TO ORDERING FACEPLATES.

## ELECTRICAL SHEET INDEX:




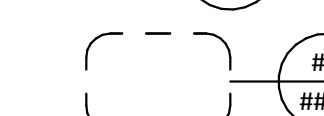
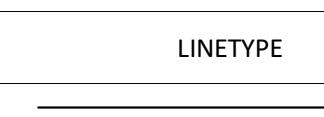
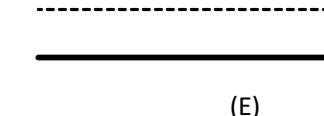



Sheet Number	Sheet Name
E-0.1	ELECTRICAL COVER SHEET
E-0.2	ELECTRICAL SCHEDULES
ES-1.0	ELECTRICAL - OVERALL SITE PLAN
ES-1.1	ELECTRICAL - ENLARGED SITE PARKING LOT
E-4.0	ELECTRICAL DETAILS
E-6.0	T24 SHEETS

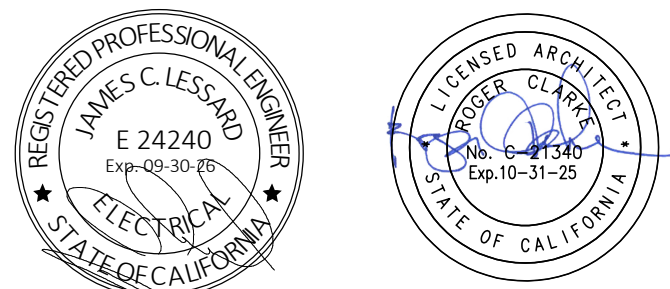
## CODES AND STANDARDS:

EDITION	REFERENCE CODE/STANDARD
2022	CALIFORNIA ADMINISTRATIVE CODE, (CCR, TITLE 24, PART 1)
2022	CALIFORNIA BUILDING CODE, (CCR, TITLE 24, PART 2)
2022	CALIFORNIA ELECTRICAL CODE, (CCR, TITLE 24, PART 3)
2022	CALIFORNIA MECHANICAL CODE, (CCR, TITLE 24, PART 4)
2022	CALIFORNIA PLUMBING CODE, (CCR, TITLE 24, PART 5)
2022	CALIFORNIA ENERGY CODE, (CCR, TITLE 24, PART 6)
2022	CALIFORNIA HISTORICAL BUILDING CODE, (CCR, TITLE 24, PART 8)
2022	CALIFORNIA FIRE CODE, (CCR, TITLE 24, PART 9)
2022	CALIFORNIA EXISTING BUILDING CODE, (CCR, TITLE 24, PART 10)
2022	CALIFORNIA GREEN BUILDING STANDARDS, (CCR, TITLE 24, PART 11)
2022	CALIFORNIA REFERENCED STANDARDS CODE, (CCR, TITLE 24, PART 12)
2022	STANDARD FOR INSTALLATION OF FIRE SPRINKLER SYSTEMS OF CALIFORNIA, (ADOPTS NFPA 13, 2016. WITH AMENDMENTS)
2021	NFPA 54-NATIONAL FUEL GAS CODE
2022	NFPA 72-NATIONAL FIRE ALARM AND SIGNALING CODE

CCR-CALIFORNIA CODE OF REGULATIONS  
NFPA-NATIONAL FIRE PROTECTION AGENCY

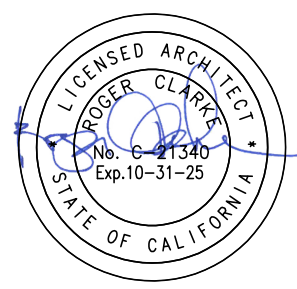
## GENERAL LEGEND:

SYMBOL	DESCRIPTION
	DETAIL CALL-OUT SYMBOL
	EQUIPMENT TAG
	KEYNOTE SYMBOL
	POINT OF CONNECTION OR DISCONNECTION
	SECTION CUT CALL-OUT SYMBOL
	ENLARGED PLAN CALL-OUT SYMBOL
LINE TYPE	DESCRIPTION
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW CONSTRUCTION
(E)	EXISTING TO REMAIN
(X)	EXISTING TO BE REMOVED



SIGNED: 08/06/24

STAMPS



AGENCY APPROVAL

THE NO.

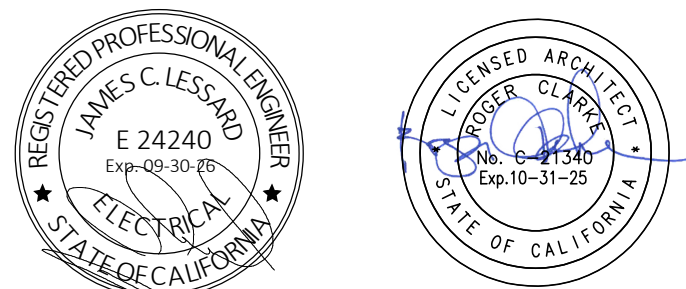


ASTRAL ENGINEERS, PC  
PO BOX 150  
RANCHO CUCAMONGA, CA 91729  
909.903.0015  
www.astraleng.com  
PROJECT #: 250029.00

CONSULTANT BRANDING

RUHNAU  
CLARKE  
ARCHITECTS





SIGNED: 08/06/24

AGENCY APPROVAL



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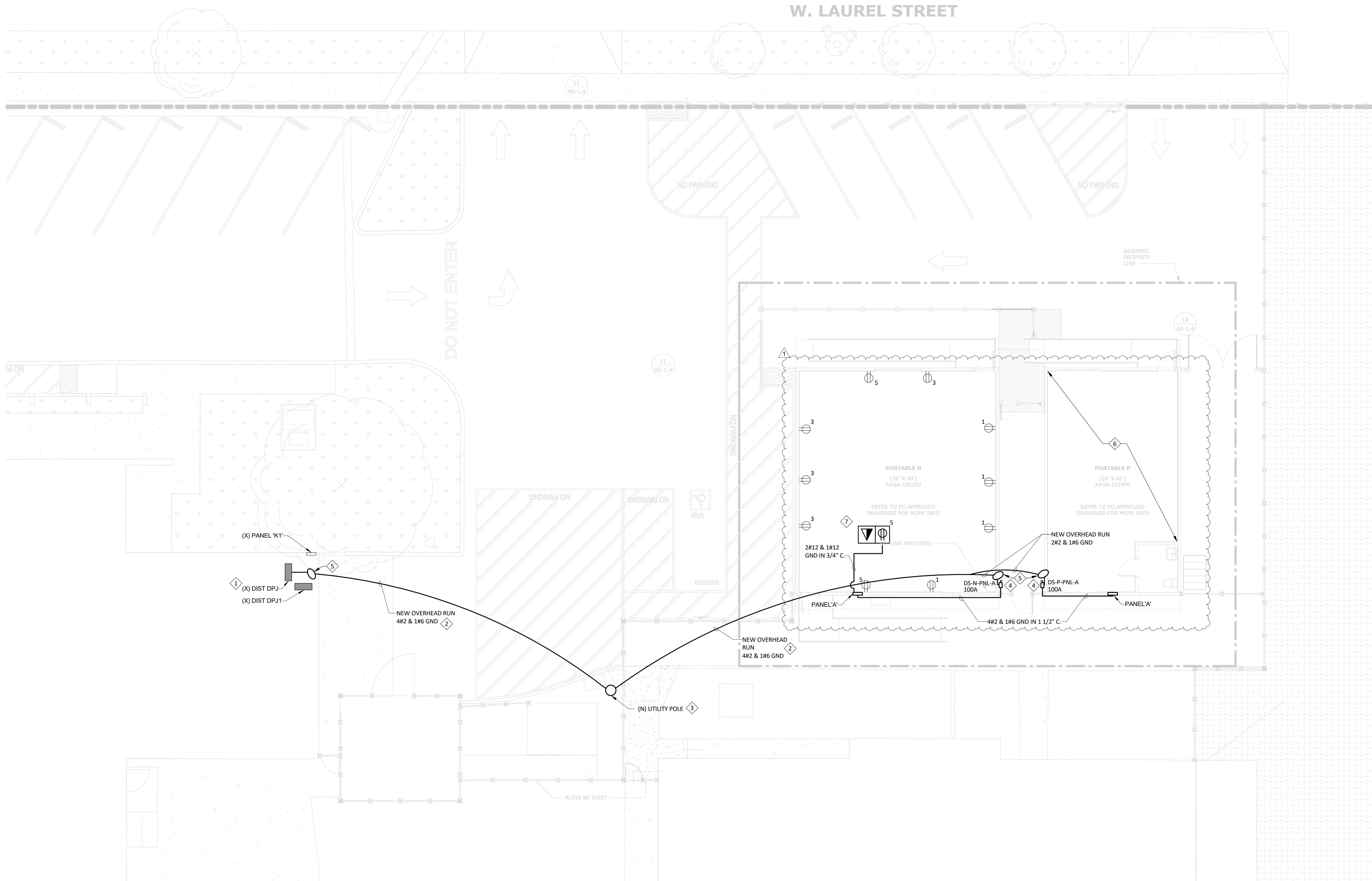
CONSULTANT BRANDING

### GENERAL NOTES - ES-1.1

NUMBER	TEXT
1	ELECTRICAL CABLING TO BE PREASSEMBLED AERIAL XHHW-2 WITH INTEGRAL MESSENGER WIRE.

### KEYNOTES - ES-1.1

NUMBER	TEXT
1	UTILIZE EXISTING DISTRIBUTION BOARD 'DPJ' TO FEED NEW MODULAR BUILDINGS.
2	PROVIDE OVERHEAD RUN TO UTILITY POLE. SEE 1/E-4.0 FOR CABLE RUN RESTRICTIONS.
3	PROVIDE NEW UTILITY POLE. SEE 1/E-4.0 FOR POLE INSTALLATION.
4	PROVIDE POINT OF CONNECTION TO PORTABLE BUILDING. SEE 2/E-4.0 FOR DISCONNECT SWITCH INSTALLATION.
5	PROVIDE WEATHERHEAD AND RISER PIPE FOR ELECTRICAL FEEDER CONNECTION OF OVERHEAD RUN. PROVIDE SEPARATE WEATHERHEAD AND RISER PIPE FOR OVERHEAD RUN OF FIRE ALARM AND TECHNOLOGY CABLING.
6	PORTABLE 'P' ELECTRICAL DESIGN TO BE PROVIDED BY SILVER CREEK. SEE PORTABLE MANUFACTURER PLANS FOR LAYOUT.
7	PROVIDE FLUSH FLOOR BOX TO ISLAND DESK USING UNDERFLOOR 3/4" CONDUIT, 2#12&1#12 GND. UTILIZE BRANCH CIRCUIT IN PANEL 'A' TO FEED RECEPTACLE.



1 ELECTRICAL - ENLARGED SITE PARKING LOT  
1/8" = 1'-0"

PROJECT No. :1-15-118  
5/2/2025 12:02:50 PM

DRAWN BY: Author  
CHECKED BY: Checker  
DELTA # 3 DATE 05/02/25  
DELTA # DATE  
DELTA # DATE  
DELTA # DATE

ADD AFO CCD REV  
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RUHNAUCLARKE.COM

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

COLTON MS INTERIM HOUSING

670 W. LAUREL ST, COLTON, CA 92324  
COLTON JOINT UNIFIED SCHOOL DISTRICT

ELECTRICAL -  
ENLARGED SITE  
PARKING LOT

ES-1.1

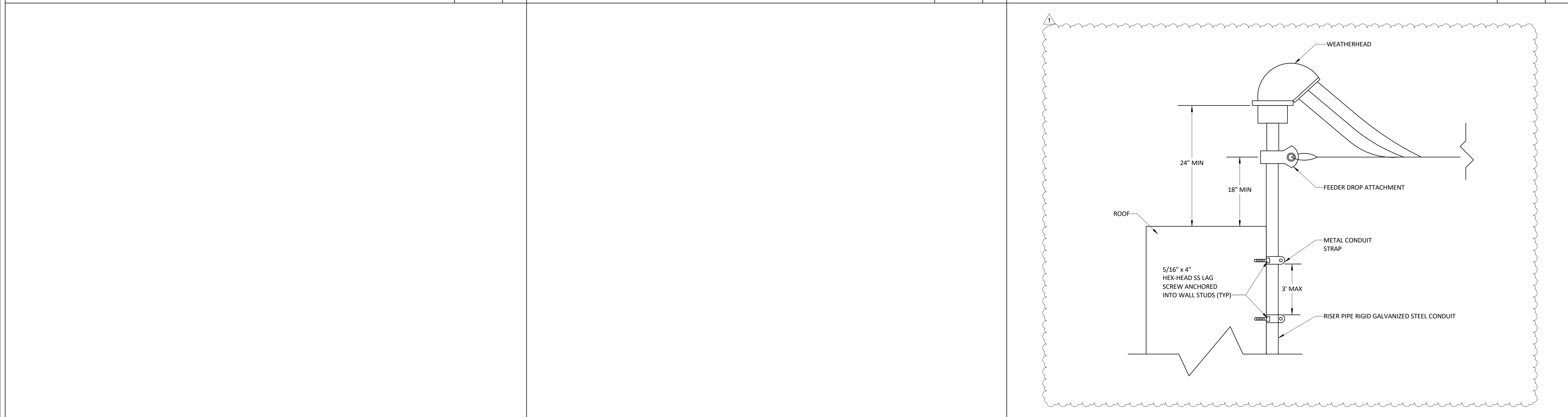
1-15-118

COLTON MS INTERIM HOUSING: DSA BC SUBMITTAL -03/06/25





-	NTS	7	-	NTS	4	CABLING & POLE INSTALLATION	NTS	1
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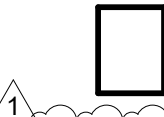



-	NTS	8	-	NTS	5	WEATHERHEAD AND RISER PIPE INSTALLATION	NTS	2
---	-----	---	---	-----	---	---	-----	---





-	NTS	9	-	NTS	6	SURFACE MOUNTED FUSED DISCONNECT - WOOD FRAMING	NTS	3
---	-----	---	---	-----	---	---	-----	---



TECHNOLOGY DATA SYMBOLS:

LINETYPE/SYMBOL	DESCRIPTION
	IDF CABINET - WALL MOUNTED
	DATA OUTLET - WALL MOUNTED - # INDICATES NUMBER OF DATA JACKS
	DATA OUTLET - FLUSH FLOOR MOUNTED - "W" INDICATES NUMBER OF DATA JACKS
	WIRELESS ACCESS POINT - CEILING MOUNTED
NOTES: 1. NOT ALL SYMBOLS MAY APPLY. 2. SEE SPECS AND DRAWINGS FOR SPECIFIC COMPONENT REQUIREMENTS.	


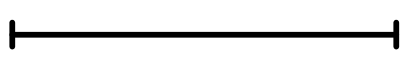

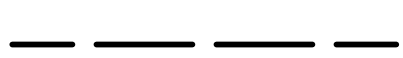



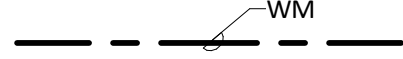
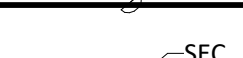
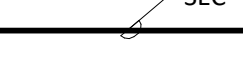


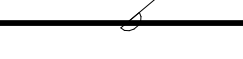

TECHNOLOGY AUDIOVISUAL SYMBOLS:

LINETYPE/SYMBOL	DESCRIPTION
	SPEAKER - CEILING MOUNTED
	CLOCK - WALL MOUNTED
NOTES: 1. NOT ALL SYMBOLS MAY APPLY. 2. SEE SPECS AND DRAWINGS FOR SPECIFIC COMPONENT REQUIREMENTS.	

TECHNOLOGY WIRE SCHEDULE:

ABBREVIATION	DESCRIPTION
C5	CATS (DATA)
C6	CAT6 (DATA)
F	AERIAL FIBER OPTIV CABLE WITH MESSENGER WIRE
F2	25M FIBER OPTIC CABLE
F24	24MM/12SM FIBER OPTIC CABLE
SEC	SECURITY INDOOR CABLE-WEST PENN 240
SEC-U	SECURITY OUTDOOR CABLE WEST PENN AQC 240
TCS	CATS (TELEPHONE )
TC6	CAT6 (TELEPHONE )
TV	CATV-RG-6
TV-U	CATV-RG-11

TECHNOLOGY-WIRE SYMBOLS:

LINETYPE/SYMBOL	DESCRIPTION
	CONDUIT CONCEALED IN FINISHED AREAS, EXPOSED IN UNFINISHED AREAS
	CONDUIT SLEEVE
	CONDUIT STUB - TERMINATE WITH CAP
	CONDUIT CONCEALED IN OR UNDER FLOOR SLAB
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	FLEXIBLE CONNECTION TO EQUIPMENT
	WIRE MOLD RACEWAY - SEE SPECS FOR EXACT TYPE
	TELEVISION SYSTEM CONDUIT AND CABLE(S) - CABLE TYPE INDICATED ON FLOOR PLAN
	SECURITY SYSTEM CONDUIT AND CABLE(S) - CABLE TYPE INDICATED ON FLOOR PLAN
	TELEPHONE SYSTEM CONDUIT AND CABLE(S) - CABLE TYPE INDICATED ON FLOOR PLAN
	CLOCK SYSTEM CONDUIT AND CABLE(S) - CABLE TYPE INDICATED ON FLOOR PLAN
	COMPUTER AND DATA CONDUIT AND CABLE(S) - CABLE TYPE INDICATED ON FLOOR PLAN
	COMPUTER AND DATA CONDUIT AND CABLE(S) - FIBER OPTIC CABLE TYPE INDICATED ON FLOOR PLAN
NOTES: 1. NOT ALL SYMBOLS MAY APPLY. 2. SEE SPECS AND DRAWINGS FOR SPECIFIC COMPONENT REQUIREMENTS.	

DSA ANCHORAGE NOTES:

**MEP COMPONENT ANCHORAGE NOTE**

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND MANUFACTURER'S INSTALLATION REQUIREMENTS.

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:

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

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

- 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.
- 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 COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

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

[ J]MP[ J]MD[ J]PP[X]E-OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

[ J]MP[ J]MD[ J]PP[ J]E-OPTION 2: SHALL COMPLY WITH HCAI (OSHPD) PRE-APPROVAL (OPM#) #OPM-####-##, AS INCLUDED IN THESE DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

CONTRACTOR ABBREVIATIONS:

ABBREVIATION	DESCRIPTION
C.M.	CONSTRUCTION MANAGER
E.C.	ELECTRICAL CONTRACTOR
F.A.C.	FIRE ALARM CONTRACTOR
F.P.C.	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
T.C.	TECHNOLOGY CONTRACTOR
T.C.C.	TEMPERATURE CONTROL CONTRACTOR

TECHNOLOGY ABBREVIATIONS:

ABBREVIATION	DESCRIPTION
AFG	ABOVE FINISHED GRADE
CM	COUNTER MOUNTED
FBO	FURNISHED BY OTHERS
FF	FINISHED FLOOR
IG	ISOLATED GROUND
INV	EMERGENCY INVERTER
PED	PEDESTAL MOUNTED
UNO	UNLESS NOTED OTHERWISE
+XX	DIMENSIONED HEIGHT ABOVE FINISHED FLOOR
-XX	DIMENSIONED HEIGHT BELOW FINISHED FLOOR
1W	ONE WIRE
2W	TWO WIRE
3W	THREE WIRE
APA	ALTONOMOUS PUBLIC ADDRESS
C	CONDUIT
CAM	CAMERA
CATV	CABLE TELEVISION
C.O.	CONDUIT ONLY
EM	EQUIPMENT POWERED WITH EMERGENCY SOURCE INTERNAL OR EXTERNAL, UNLESS NOTED OTHERWISE
FT, '	FOOT OR FEET
IN, "	INCH OR INCHES
IC	INTERCOMMUNICATION
J-BOX	JUNCTION BOX
MAX	MAXIMUM
MIN	MINIMUM
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO, #	NUMBER
NTS	NOT TO SCALE
SIG	SIGNAL
SPEC	SPECIFICATION
SPKR	SPEAKER
SR	DEVICE INSTALLED IN SURFACE RACEWAY BOXES
STP	SHIELDED TWISTED PAIR
TCI	TELECOMMUNICATIONS CABLING INSTALLER
TEL/DATA	TELEPHONE DATA
TERM	TERMINAL(S)
TV	TELEVISION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UPS	UNINTERRUPTIBLE POWER SOURCE
UTIL	UTILITY
UTP	UNSHIELDED TWISTED PAIR
UTR	UP THRU ROOF
U.G.	UNDERGROUND CONDUIT
W	WIRES
WP	WEATHERPROOF

NOTES:  
1. NOT ALL ABBREVIATIONS MAY APPLY.  
2. TECHNOLOGY SCHEDULES CONTAIN EQUIPMENT TAG ABBREVIATIONS THAT ARE HEREBY INCORPORATED INTO THE ABBREVIATION LIST.  
3. SEE OTHER DISCIPLINE DRAWINGS WITHIN THE CONSTRUCTION DOCUMENTS FOR ABBREVIATIONS NOT DEFINED ABOVE OR IN TECHNOLOGY SCHEDULES.

GENERAL NOTES:

- INSTALLATION SHALL COMPLY WITH ALL APPLICABLE CODES, STANDARDS, AND MANUFACTURER'S INSTALLATION REQUIREMENTS.
- REVIEW ALL PROJECT DOCUMENTS INCLUDING SPECS AND DRAWINGS PERTAINING TO ALL DISCIPLINES PRIOR TO SUBMITTING A BID. SUBMIT PRE-BID REQUEST FOR INFORMATION FOR ITEMS IN QUESTION AND/OR CONFLICTS FOUND.
- DRAWINGS SHOW THE DESIGN INTENT DIAGRAMMATICALLY. THEY DO NOT SHOW THE EXACT UTILITY ROUTING NOR EVERY ELBOW, OFFSET, ETC. WHERE REQUIRED, THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO THEIR SYSTEMS TO AVOID CONFLICT WITH THE STRUCTURE AND OTHER DISCIPLINES. THE COST FOR SUCH ADJUSTMENTS SHALL BE INCLUDED IN THE BID.
- OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR WORK PERFORMED.
- OBTAIN UTILITY PURVEYOR REQUIREMENTS PRIOR TO PURCHASING EQUIPMENT OR PERFORMING WORK.
- THE G.C. OR C.M. TEAM SHALL LEAD THE SUBCONTRACTORS IN PROVIDING A COORDINATED SET OF SHOP DRAWINGS. SEE GENERAL REQUIREMENTS SPEC FOR ADDITIONAL INFORMATION.
- PROVIDE FIRESTOPPING FOR ALL UTILITY PENETRATIONS THRU FIRE-RATED ASSEMBLIES.
- COORDINATE FRAMING REQUIREMENTS FOR ACCESS PANELS AND EQUIPMENT/PANEL SUPPORTS WITH G.C. OR C.M. PRIOR TO SUBMITTING BID.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE CORRECTION OF CONSTRUCTION DEFICIENCIES LISTED ON THE JOB SITE OBSERVATION REPORT. RETURN THE JOB SITE OBSERVATION REPORT TO A/E WITH DEFICIENCIES SIGNED OFF. PROVIDE PHOTOGRAPHIC AND/OR VIDEO EVIDENCE OF CORRECTED DEFICIENCIES IF REQUESTED BY THE ENGINEER.
- PROVIDE CLOSEOUT DOCUMENTATION UPON COMPLETION OF PROJECT. SEE GENERAL REQUIREMENTS SPEC FOR ADDITIONAL INFORMATION.

TECHNOLOGY NOTES:

- TECHNOLOGY WORK SHALL BE CONSTRUCTED IN A PROFESSIONAL MANNER. COMPONENTS SHALL BE CLEANED PRIOR TO OWNER TURNOVER.
- THE SCHEDULED EQUIPMENT SHALL BE USED AS THE BASIS OF DESIGN. MODEL NUMBERS ARE PROVIDED FOR REFERENCE ONLY. EQUIPMENT SHALL MEET SPECIFIED PERFORMANCE. THE CONTRACTOR SHALL IDENTIFY ALL SELECTED OPTIONS IN THE SUBMITTAL.
- IF A CONTRACTOR PROVIDES EQUIPMENT OTHER THAN THE BASIS OF DESIGN, THAT CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS INCURRED AS A RESULT. THAT INCLUDES, BUT IS NOT LIMITED TO, AGENCY FEES FOR REVIEW OF CHANGES, STRUCTURAL MODIFICATIONS FOR INCREASED WEIGHT, AND DATA EQUIPMENT, WIRING, CONDUIT, AND BREAKER CHANGES FOR DIFFERENT ELECTRICAL REQUIREMENTS.
- COORDINATE POWER REQUIREMENTS WITH THE E.C. PRIOR TO PROVIDING SUBMITTALS TO THE ENGINEER.
- SEE SPEC SECTIONS 26 05 33 FOR CONDUIT/RACEWAY SYSTEM INSTALLATION AND CLEANING REQUIREMENTS.
- PROVIDE CONDUIT OR RACEWAY EXPANSION JOINT THAT ACCOMMODATES THE BUILDING MOVEMENT WHERE CONDUIT OR RACEWAY CROSSES BUILDING EXPANSION JOINT.
- PAINT INTERIOR EXPOSED CONDUIT/RACEWAY, PULL BOXES, AND ASSOCIATED HANGERS/SUPPORTS LOCATED IN OCCUPIED SPACES TO MATCH THE SURROUNDING ARCHITECTURAL COLOR SCHEME. PAINT EXTERIOR CONDUIT/RACEWAY, PULL BOXES, AND ASSOCIATED HANGERS/SUPPORTS ADJACENT TO EXTERIOR WALL TO MATCH WALL COLOR. FINAL COLORS SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER. SEE SPEC SECTION 27 0500 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE IDENTIFICATION FOR CONDUIT, PULL BOXES, AND EQUIPMENT PER SPEC SECTION 26 0553.
- CONDUIT/RACEWAY SHALL NOT PASS THRU NOR UNDER ELECTRICAL ROOMS, ELEVATOR MACHINE ROOMS, ELEVATOR HOISTWAYS, SKYLIGHTS, AND ROOF ACCESS HATCHES.
- PULL BOXES SHALL BE ACCESSIBLE. PROVIDE KEYED ACCESS PANELS WHERE PULL BOXES HAVE BEEN LOCATED IN CONCEALED AREAS. ACCESS PANEL SIZE SHALL BE LARGE ENOUGH TO ACCESS EACH PULL BOX.
- A COMPLETE TEST FOR EACH SYSTEM SHALL BE PERFORMED BEFORE PROJECT IS READY FOR FINAL PUNCH WALK. THIS SHALL BE DONE IN ORDER TO VERIFY FULL FUNCTIONALITY OF EACH TECHNOLOGY SYSTEM
- INSTALL TERMINAL CABINET NO HIGHER THAN 6'-0" ABOVE FINISHED FLOOR TO TOP OF CABINET.
- ALL SECURITY ROUGH-IN, IF REQUIRED, SHALL BE COORDINATED WITH SECURITY VENDOR PRIOR TO ROUGH-IN. PROGRAMMING AND TERMINATIONS SHALL BE PROVIDED BY THE SECURITY VENDOR, WHERE REQUIRED.
- PROVIDE 200LB PULL STRING FOR EMPTY RACEWAYS.

TECHNOLOGY SHEET INDEX:

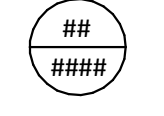
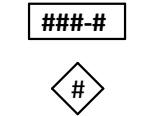



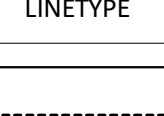
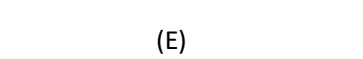
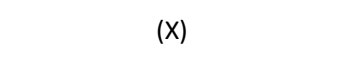
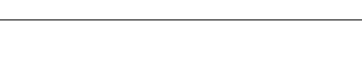
Sheet Number	Sheet Name
T-0.1	TECHNOLOGY COVER SHEET
TS-1.0	TECHNOLOGY - OVERALL SITE PLAN
TS-1.1	TECHNOLOGY - ENLARGED SITE PARKING LOT - REMODEL
T-4.0	TECHNOLOGY DETAILS

CODES AND STANDARDS:

EDITION	REFERENCE CODE/STANDARD
2022	CALIFORNIA ADMINISTRATIVE CODE, (CCR, TITLE 24, PART 1)
2022	CALIFORNIA BUILDING CODE, (CCR, TITLE 24, PART 2)
2022	CALIFORNIA ELECTRICAL CODE, (CCR, TITLE 24, PART 3)
2022	CALIFORNIA MECHANICAL CODE, (CCR, TITLE 24, PART 4)
2022	CALIFORNIA PLUMBING CODE, (CCR, TITLE 24, PART 5)
2022	CALIFORNIA ENERGY CODE, (CCR, TITLE 24, PART 6)
2022	CALIFORNIA HISTORICAL BUILDING CODE, (CCR, TITLE 24, PART 8)
2022	CALIFORNIA FIRE CODE, (CCR, TITLE 24, PART 9)
2022	CALIFORNIA EXISTING BUILDING CODE, (CCR, TITLE 24, PART 10)
2022	CALIFORNIA GREEN BUILDING STANDARDS, (CCR, TITLE 24, PART 11)
2022	CALIFORNIA REFERENCED STANDARDS CODE, (CCR, TITLE 24, PART 12)
2022	STANDARD FOR INSTALLATION OF FIRE SPRINKLER SYSTEMS OF CALIFORNIA, (ADOPTS NFPA 13, 2016. WITH AMENDMENTS)
2021	NFPA 54-NATIONAL FUEL GAS CODE
2022	NFPA 72-NATIONAL FIRE ALARM AND SIGNALING CODE

CCR-CALIFORNIA CODE OF REGULATIONS  
NFPA-NATIONAL FIRE PROTECTION AGENCY

GENERAL LEGEND:

SYMBOL	DESCRIPTION
	DETAIL CALL-OUT SYMBOL
	EQUIPMENT TAG
	KEYNOTE SYMBOL
	POINT OF CONNECTION OR DISCONNECTION
	SECTION CUT CALL-OUT SYMBOL
	ENLARGED PLAN CALL-OUT SYMBOL
LINETYPE	DESCRIPTION
	EXISTING TO REMAIN
	EXISTING TO BE REMOVED
	NEW CONSTRUCTION
(E)	EXISTING TO REMAIN
(X)	EXISTING TO BE REMOVED



STAMPS

SIGNED: 08/06/24

ASTRAL ENGINEERS, PC

PO BOX 150

RANCHO CUCAMONGA, CA 91729

909.903.0015

www.astraleng.com

PROJECT #: 250009.00

RUHNAU

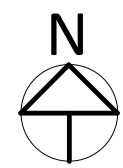
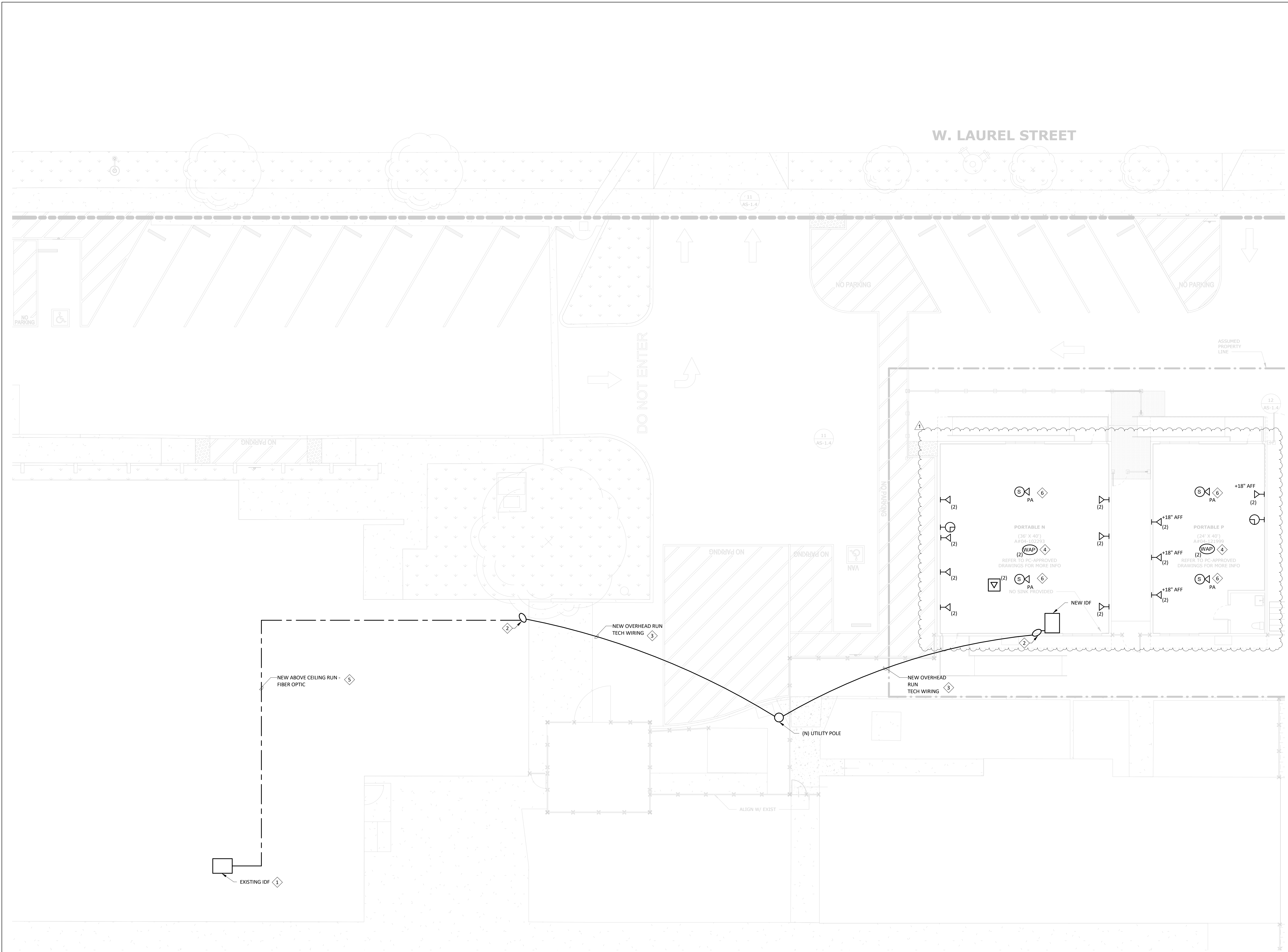
CLARKE

ARCHITECTS

AGENCY APPROVAL

FIG. NO.





1

**TECHNOLOGY - ENLARGED SITE PARKING LOT - REMODEL**  
1/8" = 1'-0"



SIGNED: 08/06/24  
STAMPS



AGENCY APPROVAL  
FIG. NO.



ASTRAL ENGINEERS, PC  
PO BOX 150  
RANCHO CUCAMONGA, CA 91729  
909.903.0015  
www.astraleng.com  
PROJECT #: 250009.00

**RUHNAU  
CLARKE**  
ARCHITECTS

CONSULTANT BRANDING

### GENERAL NOTES - TS-1.1

NUMBER	TEXT
1	TECHNOLOGY CABLING TO BE AERIAL FIBER OPTIC CABLE WITH INTEGRAL MESSENGER WIRE.

### KEYNOTES - TS-1.1

NUMBER	TEXT
1	UTILIZE EXISTING IDF ON STAGE TO RUN NEW FIBER OPTIC CABLE TO OVER HEAD RUN
2	PROVIDE WEATHER HEAD AND RISE PIPE FOR FIRE ALARM AND TECHNOLOGY CABLING. SEE DETAIL 1/E-4.0 FOR CABLE SPACING.
3	PROVIDE OVERHEAD RUN TO UTILITY POLE. SEE 1/E-4.0 FOR CABLE RUN RESTRICTIONS.
4	WIRELESS ACCESS POINTS (WAP) ARE TO BE DISTRICT FURNISHED AND CONTRACTOR INSTALLED.
5	SEE 5/T-4.0 FOR CABLING INSTALLATION WITH CABLE HANGERS.
6	SEE 6/T-4.0 FOR TYPICAL CEILING MOUNTED SPEAKER INSTALLATION.

PROJECT No. :1-15-118  
5/2/2025 12:02:51 PM

DRAWN BY: Author  
CHECKED BY: Checker  
DELTA # 1 DATE 05/02/25  
DELTA # 2 DATE 05/02/25  
DELTA # 3 DATE 05/02/25  
DELTA # 4 DATE 05/02/25

ADD AFO CCD REV  
ADD AFO CCD REV  
ADD AFO CCD REV  
ADD AFO CCD REV

**RUHNAUCLARKE.COM**

3775 TENTH STREET, RIVERSIDE CALIFORNIA 92503 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5899

**COLTON MS INTERIM HOUSING**

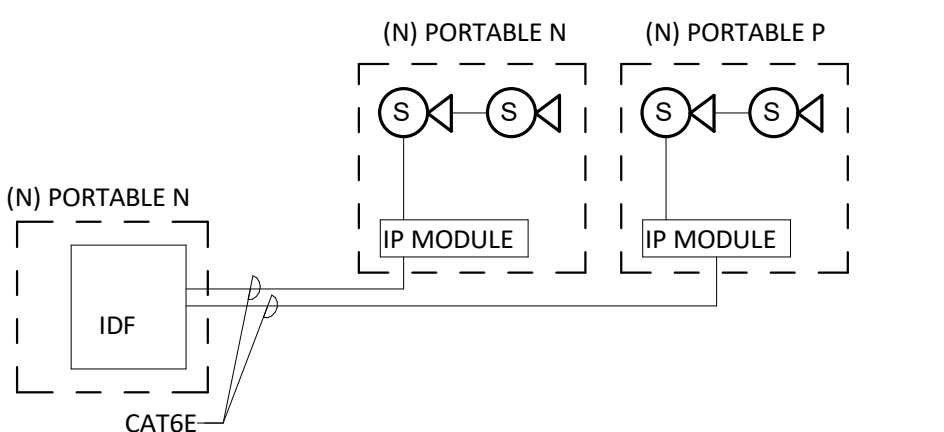
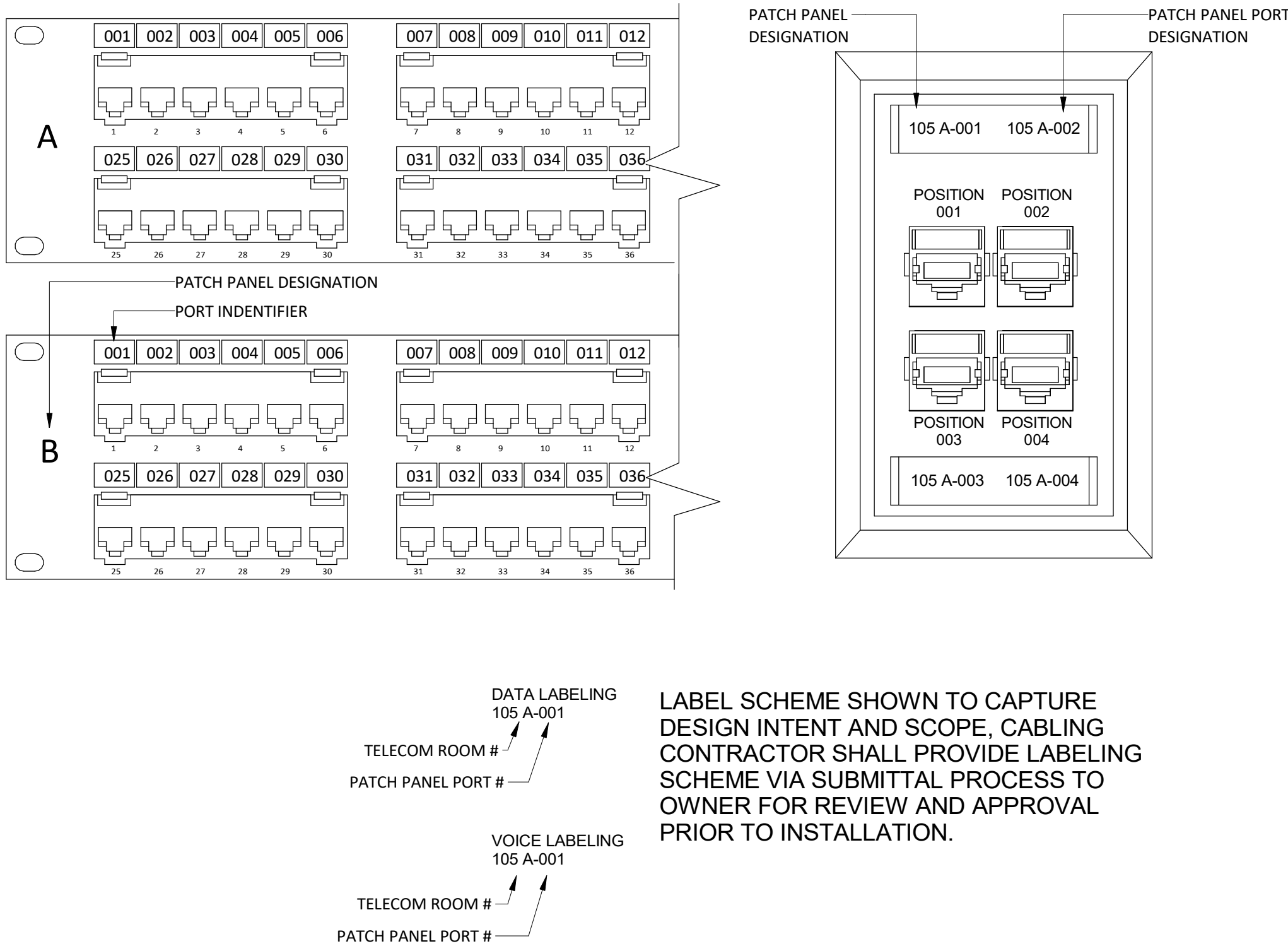
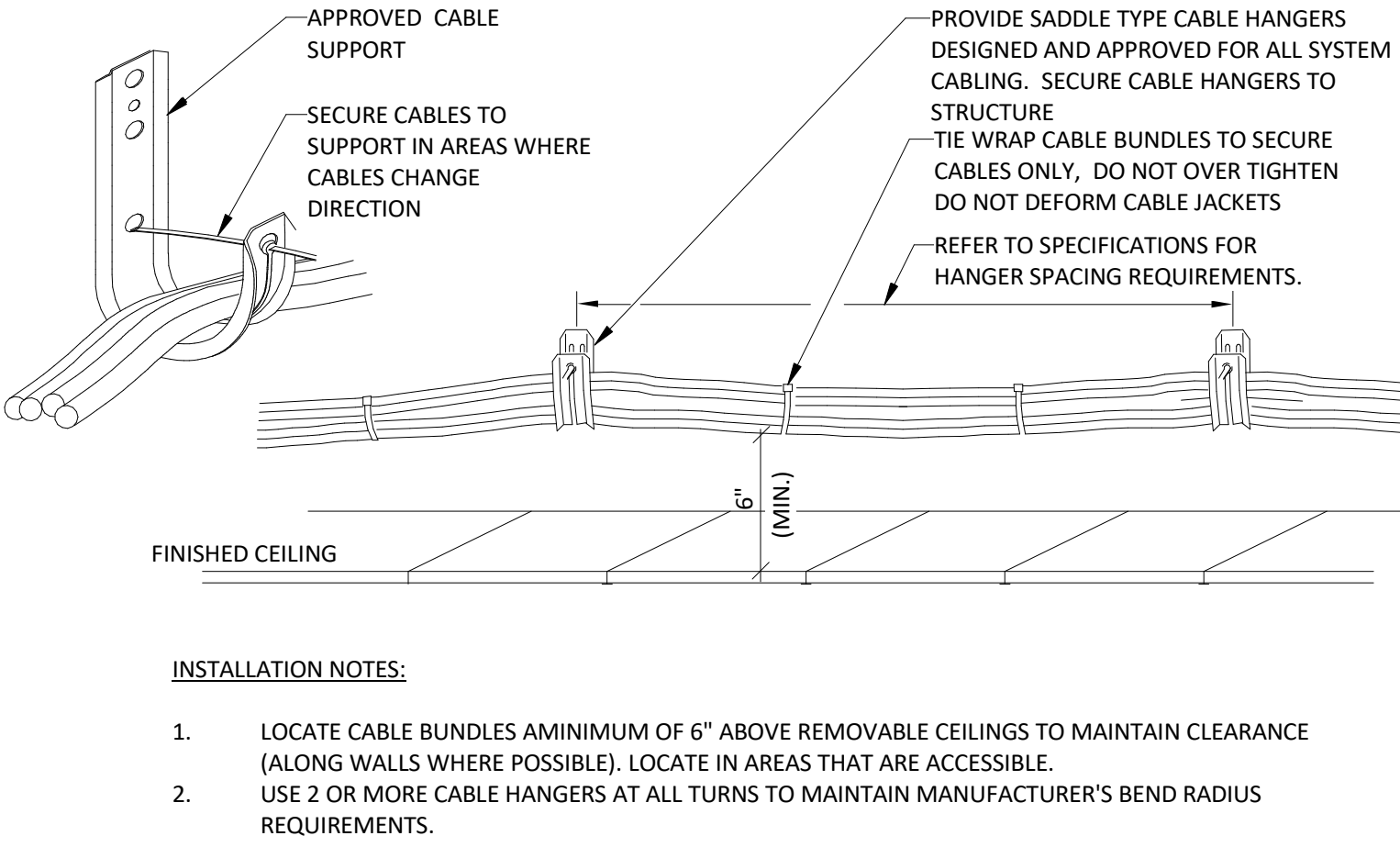
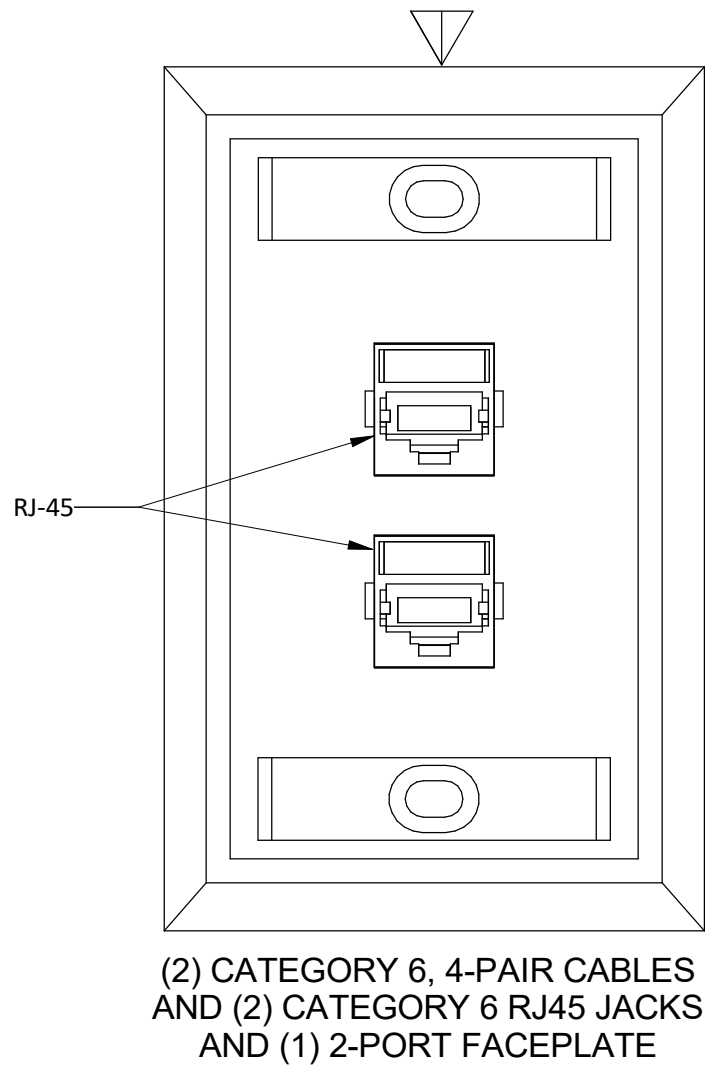
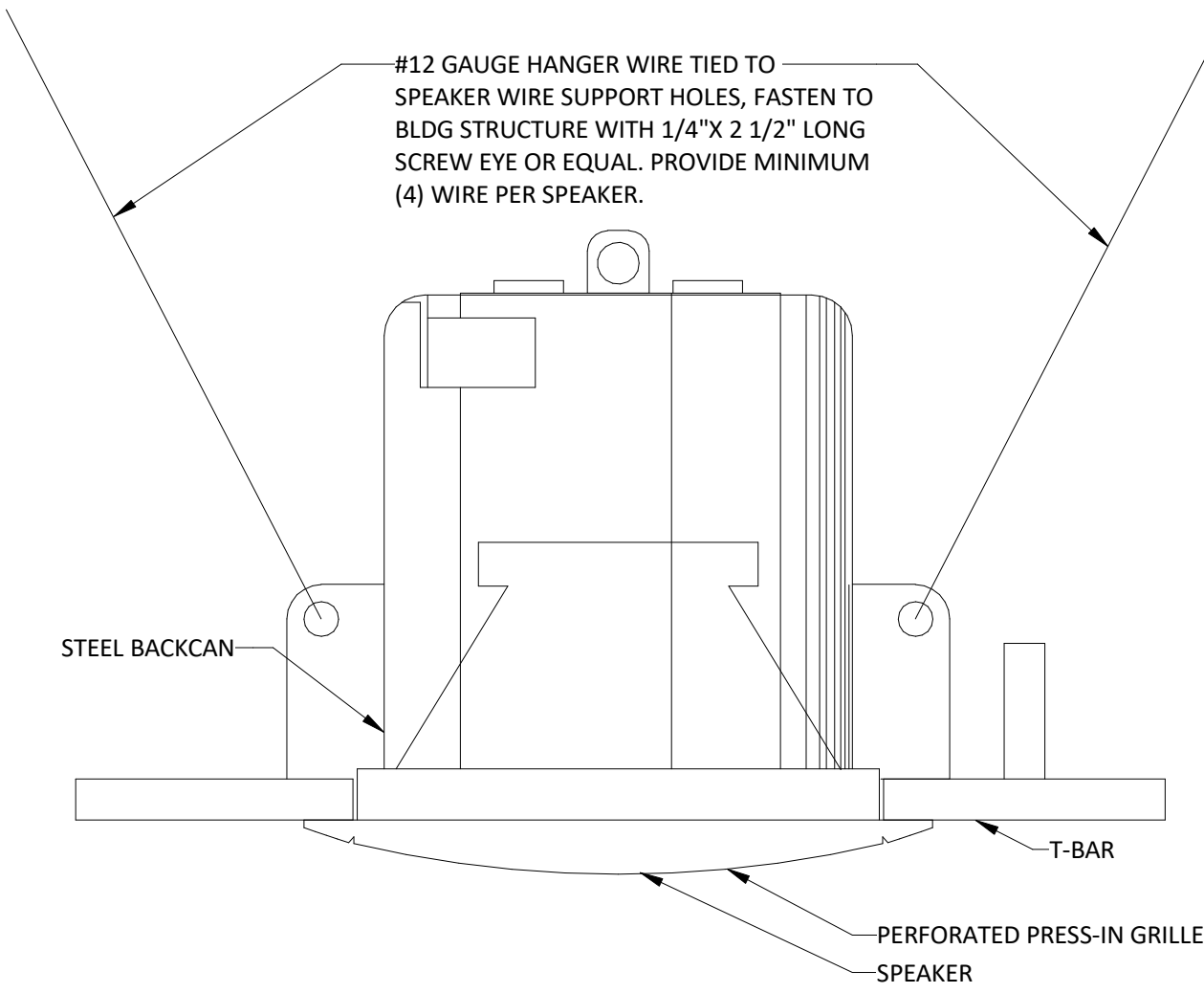
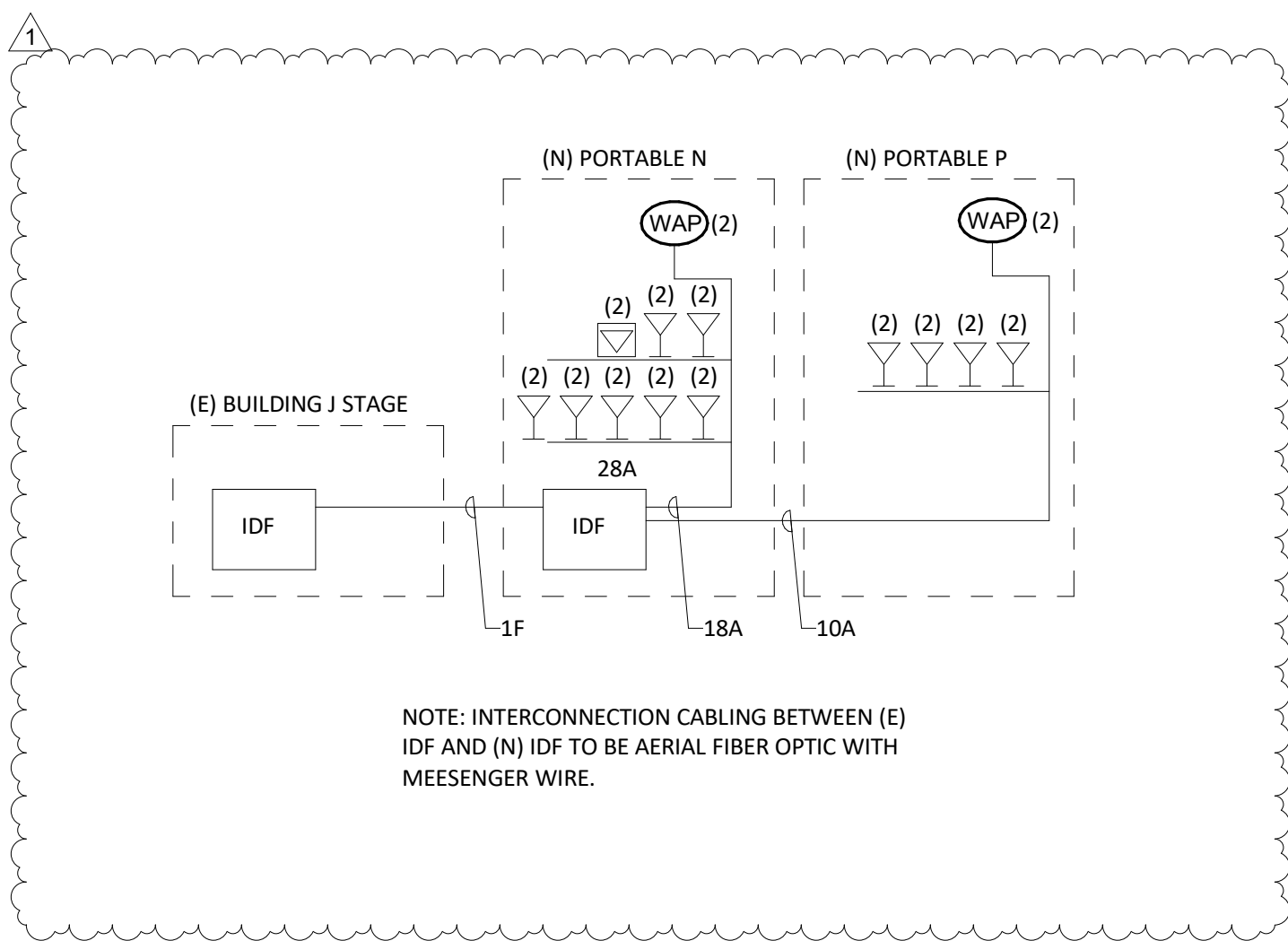
670 W. LAUREL ST, COLTON, CA 92324  
COLTON JOINT UNIFIED SCHOOL DISTRICT

**TECHNOLOGY -  
ENLARGED SITE  
PARKING LOT -  
REMODEL**

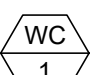

**TS-1.1**



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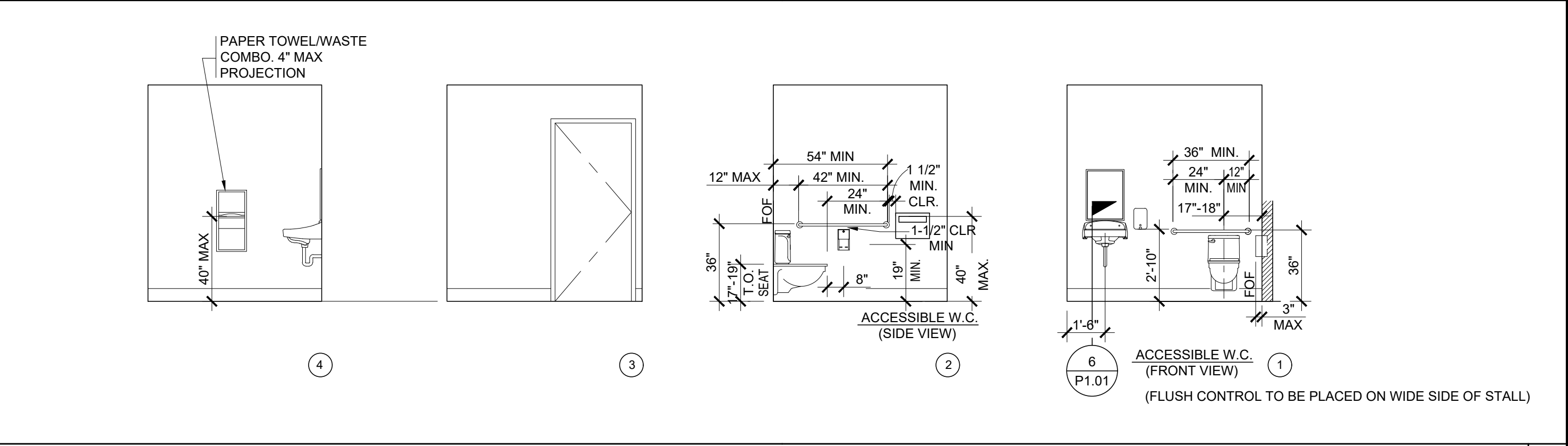
								
-	NTS	7	SPEAKER RISER DIAGRAM	NTS	4	PATH PANEL AND OUTLET LABELING	NTS	1
								
-	NTS	8	LOW VOLTAGE CABLING INSTALLATION WITH CABLE HANGERS	NTS	5	DATA OUTLET FACE PLATE	NTS	2
								
-	NTS	9	TYPICAL CEILING MOUNTED SPEAKER	NTS	6	NETWORK RISER DIAGRAM	NTS	3



			PLUMBING FIXTURE SCHEDULE						
			SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
				WATER CLOSET (ACCESSIBLE)	1/2"	-	3"	2"	AMERICAN STANDARD: GLENWALL VORMAX WALL-HUNG ELONGATED TWO-PIECE 1.28 GPF/4.8 LPF, MODEL # 2882107 WITH ENLONGATED PLASTIC SEAT (5901100)
				LAVATORY (ACCESSIBLE)	1/2"	-	2"	1 1/2"	AMERICAN STANDARD 0355.012 LUCERNE 20X18" VITREOUS CHINA; JAY R SMITH #722 CONCEALED HANGER; OLYMPIA #L8161 SINGLE HANDLE FAUCET (0.5 GPM)

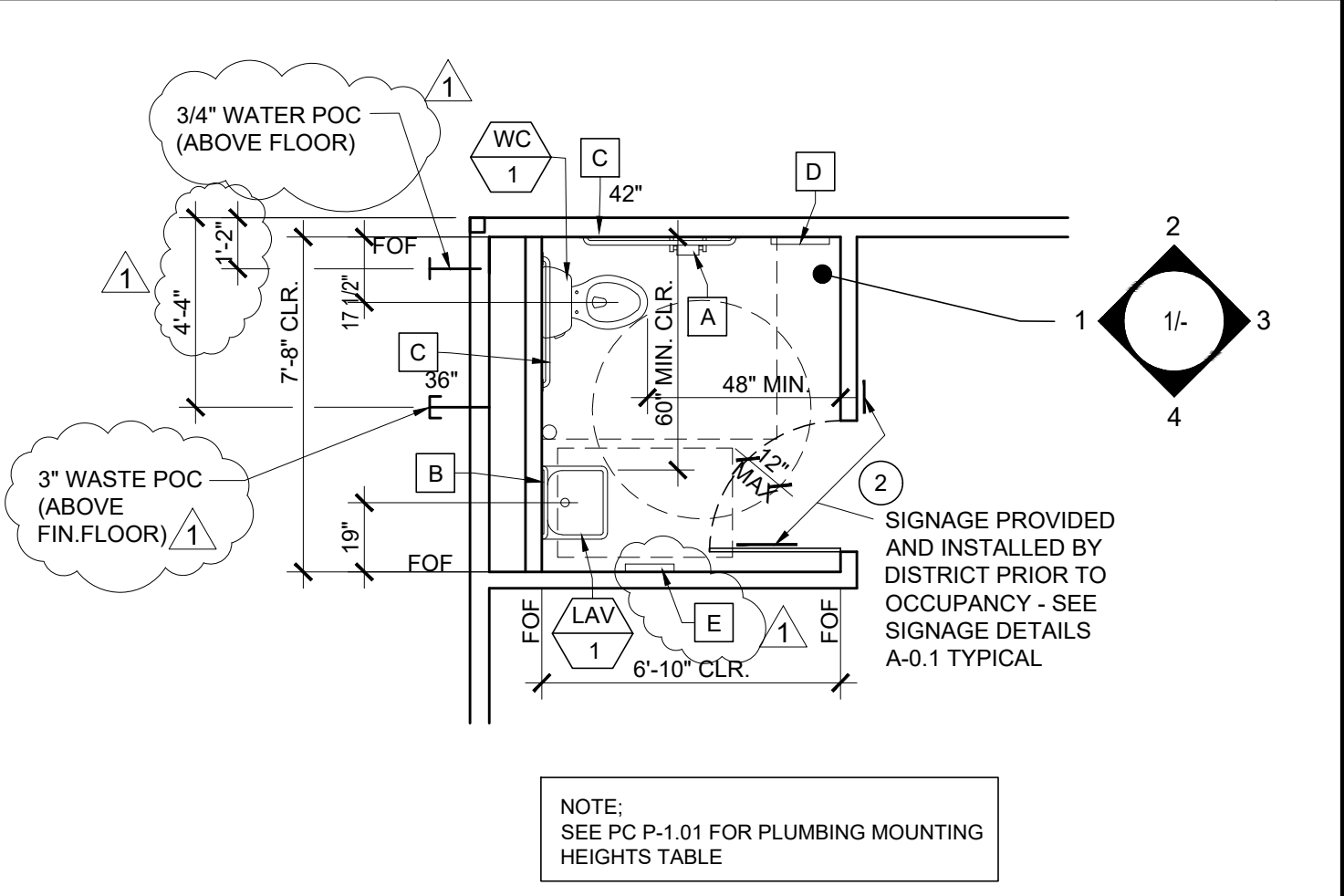
PLUMBING FIXTURE SCHEDULE						
SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION (AS CALLED OUT OR APPROVED EQUAL)
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PROJECT SPECIFIC STATE AGENCY APPROVAL
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PROJECT NAME:
COLTON USD COLTON M.S.
SHEET TITLE:
PLUMBING DETAILS AND SCHEDULE
REVISIONS
1 ADDENDUM/CLARIFICATION 04/15/2025
2
3
4
5

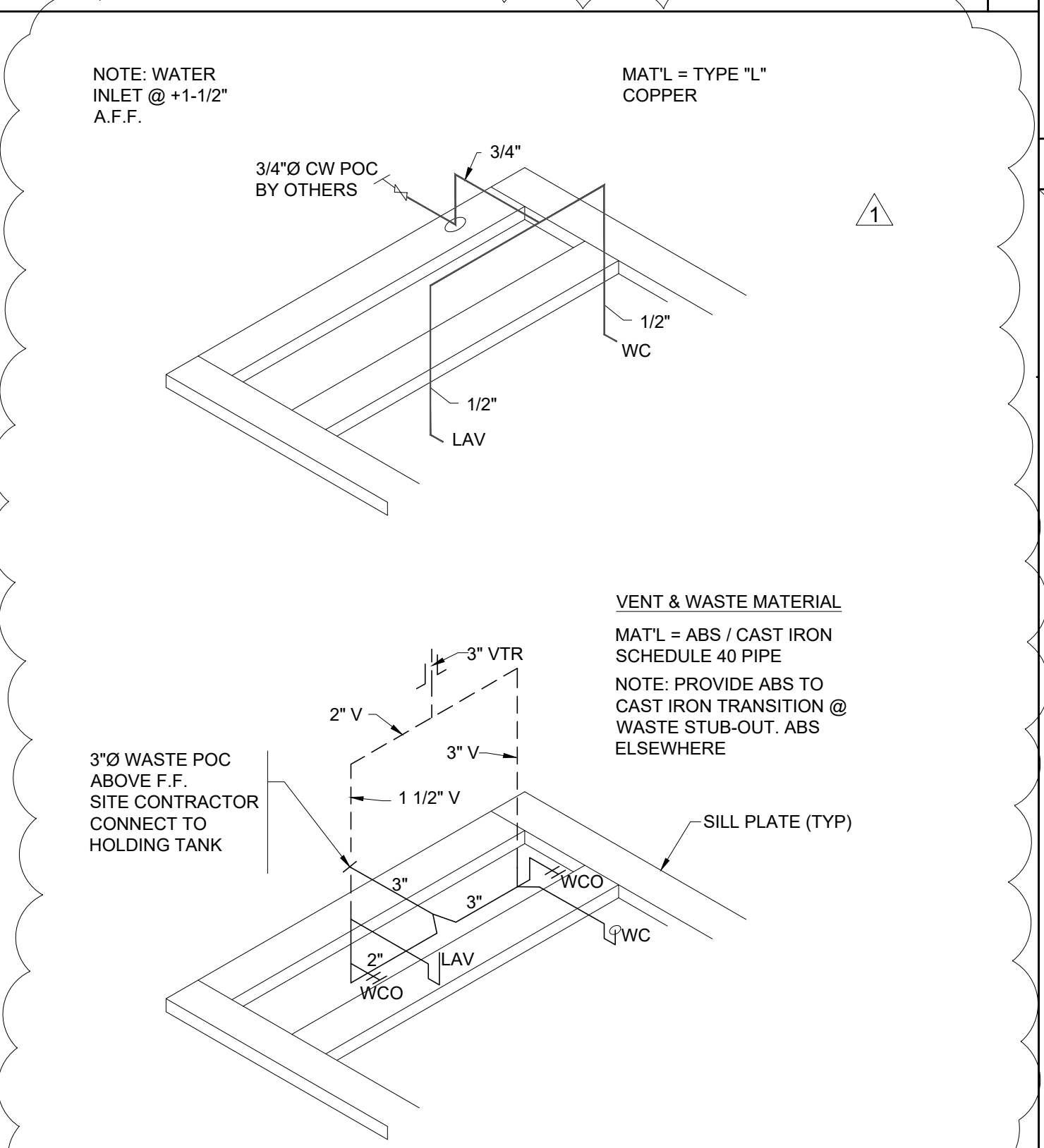


TOILET INTERIOR ELEVATIONS - ADULT 1

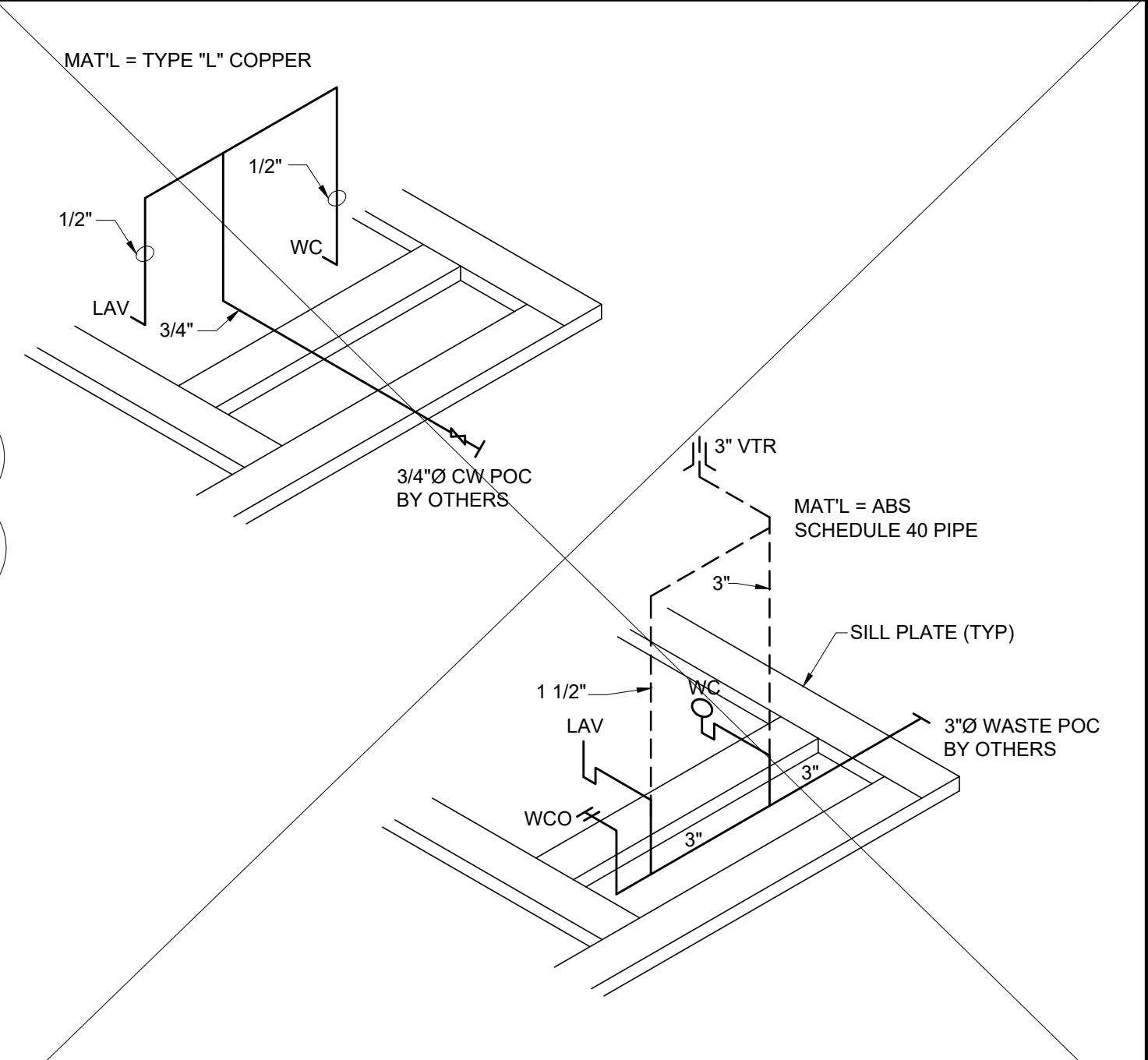
- PLUMBING ACCESSORIES**
- A BOBRICK B-3888 TOILET PAPER HOLDER: MULTI ROLL RECESSED, PROVIDED BY SCM
  - B BOBRICK B-290 - 18"x24" MIRROR
  - C GRAB BAR: 48" BOBRICK B-5806 x 36" & 48"
  - D TOILET SEAT DISPENSER: SURFACE MOUNTED, BOBRICK B-221, 4" MAX PROJECTION
  - E PAPER TOWEL DISPENSER: SURFACE MOUNTED, 4" MAX. PROJECTION-CANNOT ENCROACH INTO 30"x48" CLEAR SPACE OF FIXTURE. SEE 10/P-1.01 FOR MOUNTING HEIGHT
- SCM SCOPE OF WORK: SEMI-RECESSED TOILET PAPER HOLDER, MIRROR, & GRAB BARS




TOILET ROOM PLAN SCALE: N.T.S. 2



TOILET ROOM COLD WATER SUPPLY AND WASTE




TOILET ROOM COLD WATER SUPPLY AND WASTE SCALE: N.T.S. 3



**Silver Creek**  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

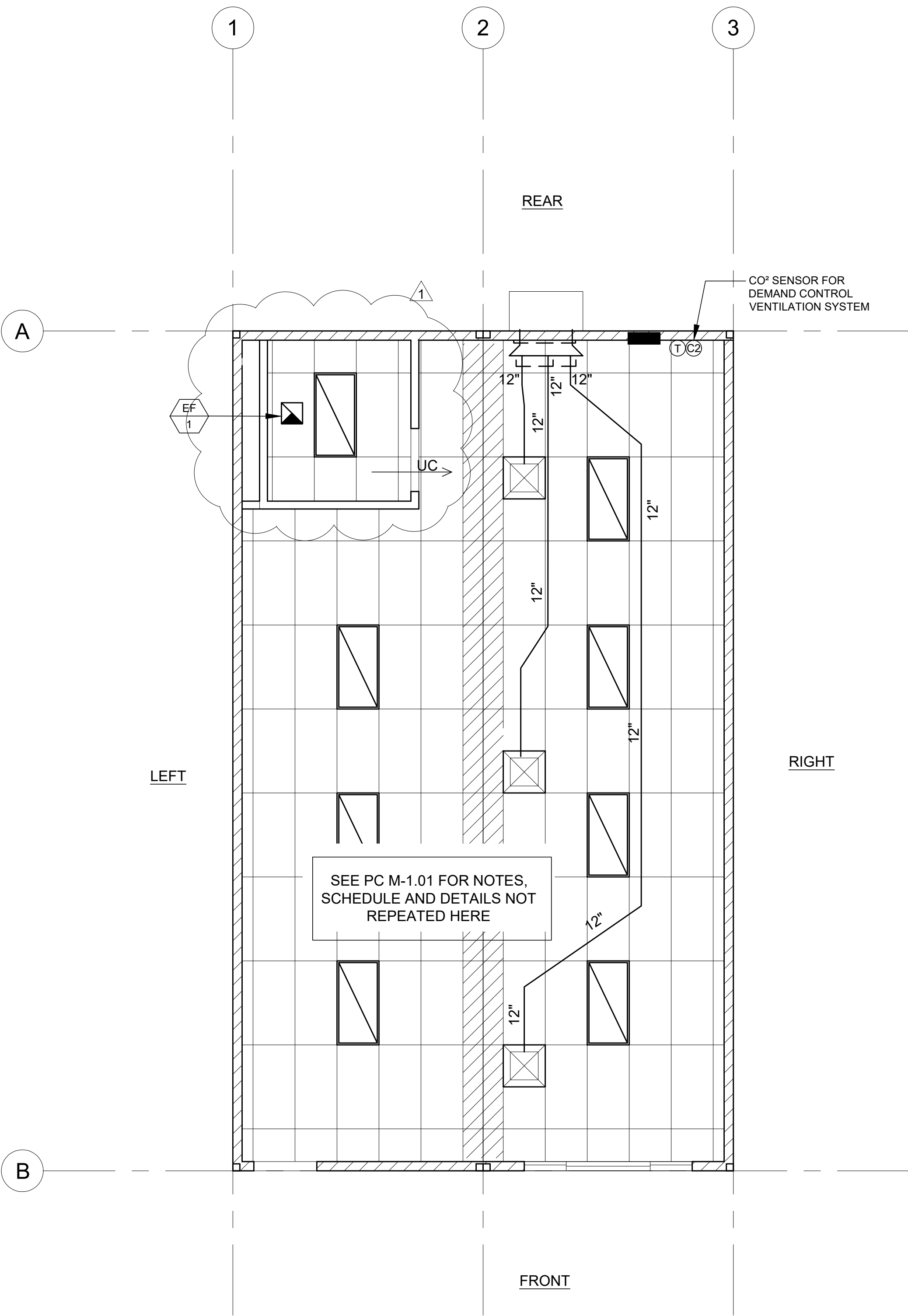
MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

PROJECT NO: 11606  
DRAWN BY: RL  
SCALE: AS NOTED  
DATE: 03-12-2025  
SHEET NUMBER

P-1.01N



NOTE:  
THE HVAC EQUIPMENT SERVING THIS  
BUILDING SHALL BE CAPABLE OF  
PROVIDING 432 CFM (MIN.) OF OUTSIDE AIR

NOTE:  
SEE EQUIVALENT PC PLAN  
M-1.01 FOR SCHEDULES  
AND NOTES

MECHANICAL PLAN

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

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PROJECT NAME:

COLTON USD  
COLTON M.S.

SHEET TITLE:  
PROJECT SPECIFIC  
MECHANICAL  
PLAN  
24' x 40'

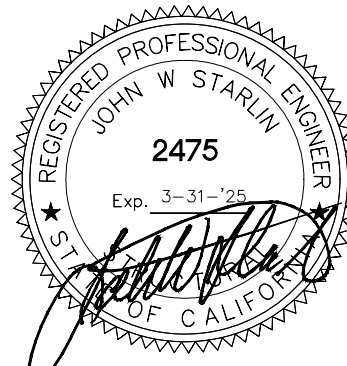
REVISIONS  
ADDENDUM/CLARIFICATION 04/15/2025

1	
2	
3	
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5	



Silver Creek  
2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

PROJECT NO: 11606

DRAWN BY: RL

SCALE: AS NOTED

DATE: 03-12-2025

SHEET NUMBER

M-1.01N



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PROJECT NAME:

COLTON USD  
COLTON M.S.

SHEET TITLE:

PROJECT SPECIFIC  
ELECTRICAL  
PLAN  
24' x 40'

REVISIONS  
ADDENDUM 01 5/7/2025

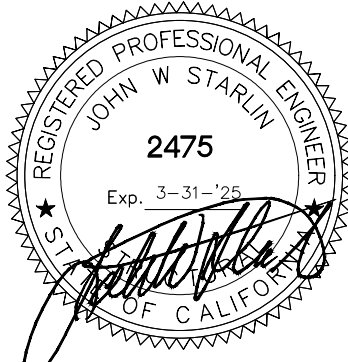
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3	
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Silver Creek

2830 BARRETT AVE PERRIS, CALIFORNIA 92571  
PHONE: 951-943-5393 FAX: 951-943-2211

MODULAR BUILDING DESIGN PROFESSIONAL



SILVER CREEK INDUSTRIES

PROJECT NO: 11606

DRAWN BY: RL

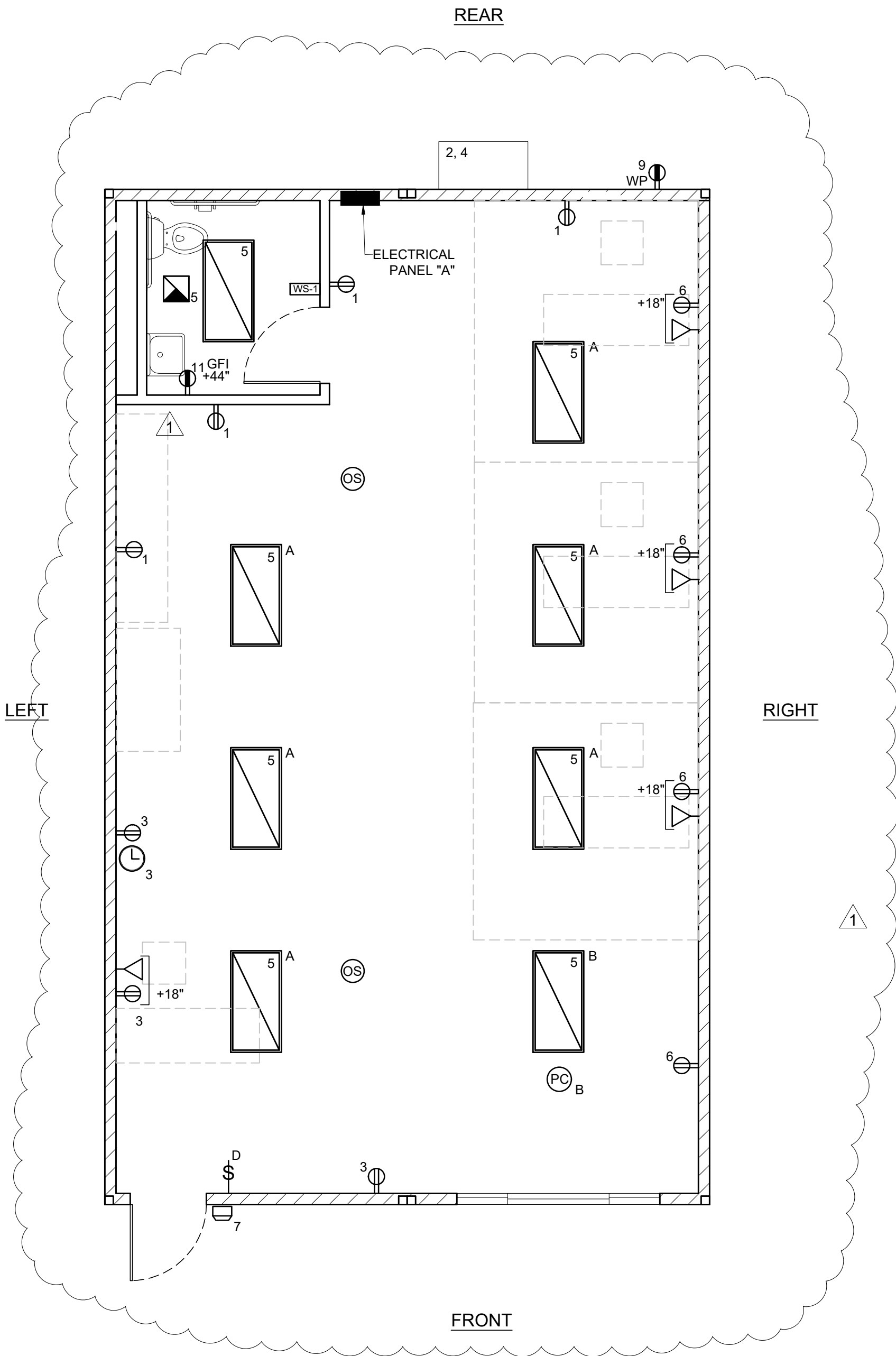
SCALE: AS NOTED

DATE: 03-12-2025

SHEET NUMBER

E-1.01N

NOTE:  
SEE EQUIVALENT PC PLAN  
E-1.01 FOR LEGEND,  
NOTES AND DETAILS



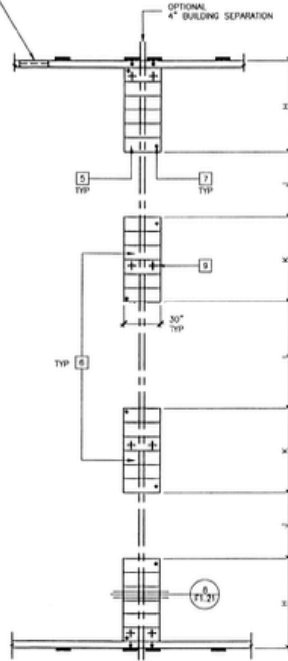
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OBJECT		WATT		NO.		WATTS				WIRE		CKT		LEG		CKT		WIRE				WATTS				NO		WATT		OBJECT	
DESCRIPTION		PER	OF	LCL	A	B	BRK	POLE	SIZE	NO	A	B	NO	SIZE	POLE	BRK	A	B	LCL	OF	PER	A	B	LCL	OF	PER	DESCRIPTION				
RECEPTACLES		180	4		720			20	1	#12	1	X	2	#8	2	60		4830			1	4830				4	180	5 TON A/C			
RECEPTACLES		180	4			720		20	1	#12	3	X	4	#8	/	/		4830			/	4830				4	180	5 TON A/C			
INTERIOR LIGHTS		65	10	x	650			20	1	#12	5	X	6	#12	1	20	720														
EXTERIOR LIGHTS		32	1	x		32		20	1	#12	7	X	8					0													
EXTERIOR RECPT		180	1		180			20	1	#12	9	X	10				0														
						0		20	1	#12	11	X	12	#12	1	20		180								180	FIRE ALARM**LOCK-ON**				
LEG TOTALS				1550		752											5550	5010	LEG TOTALS												
LCL=170.5+12862=13032.5																LEG BALANCE = 10.4%				TOTAL AMPS: 62.66											
TOTAL WATTS=13032.5																															

ELECTRICAL PLAN

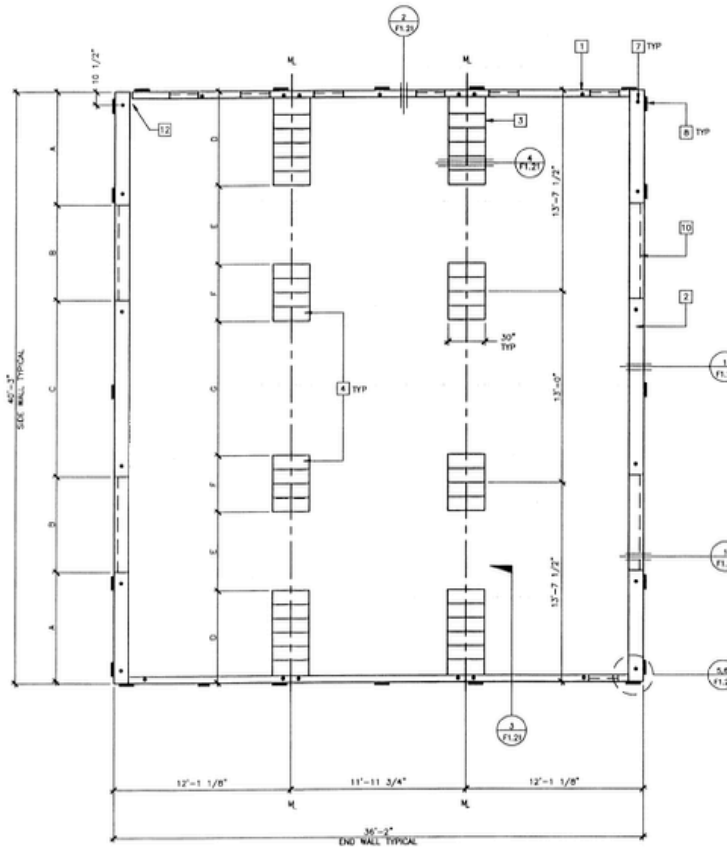
SCALE: 1/4" = 1' - 0"

1

3"x4" END WALL VENTS  
AS REQUIRED FOR ADJACENT  
BUILDING APPLICATIONS  
MIN 18" FROM BLOC. CORNERS  
MIN 18" FROM MODLINES  
MIN 12" BLOCKING BETWEEN VENTS



FOOTINGS AT ADJACENT BUILDING  
(OPTIONAL 4" SEPARATION)



FOUNDATION PLAN

36'x40' WOOD SILL  
SCALE: 1/4" = 1'-0"

# FOUNDATION PLATE SCHEDULE

		50 PSF	50 + 20 PSF	100 PSF
END WALL	SILL	2"x8"	2"x8"	2"x12"
	BLOCKING	2"x4"	2"x4"	2"x8"
	TOP PLATE	2"x8"	2"x8"	2"x8"
SIDE WALL	SILL	2"x12"	2"x12"	2"x12"
	BLOCKING	2"x8"	2"x8"	2"x8"
	TOP PLATE	2"x8"	2"x8"	2"x8"
MODLINE	SILL	6"x12"x30"	6"x12"x30"	6"x12"x30"
	BLOCKING	2"x10"	2"x10"	2"x10"
	TOP PLATE	2"x8"	2"x8"	2"x8"
MODLINE	SILL	6"x12"x30"	6"x12"x30"	6"x12"x30"
	BLOCKING	2"x10"	2"x10"	2"x10"
	TOP PLATE	2"x8"	2"x8"	2"x8"
4" SEPARATION	SILL	6"x12"x30"	6"x12"x30"	6"x12"x30"
	BLOCKING	2"x10"	2"x10"	2"x10"
	TOP PLATE	2"x8"	2"x8"	2"x8"
4" SEPARATION	SILL	6"x12"x30"	6"x12"x30"	6"x12"x30"
	BLOCKING	2"x10"	2"x10"	2"x10"
	TOP PLATE	2"x8"	2"x8"	2"x8"

NOTE: \* USE 2"x8" PLATES FOR ANY ADDITIONAL BLOCKING REQUIRED FOR LEVELING.  
\* ALL SILL (FOOTING) PLATES TO BE PRESSURE TREATED SEE NOTE #3 THIS SHEET.  
\* FOR FOUNDATION PLATE SCHEDULES SEE F1.21

# DIMENSION TABLE

	50 PSF	50 + 20 PSF	100 PSF	125 PSF
A	7'-7 1/2"	9'-1 1/2"	9'-1 1/2"	9'-1 1/2"
B	6'-6"	4'-0"	4'-0"	4'-0"
C	12'-0"	14'-0"	14'-0"	14'-0"
D	6'-1"	7'-1/4"	5'-7 1/2"	5'-7 1/2"
E	5'-6"	4'-6"	3'-8"	3'-8"
F	3'-9"	4'-8 1/4"	9'-3"	9'-3"
G	9'-7"	8'-2"	3'-8"	3'-8"
H	6'-1"	6'-1"	5'-6 1/4"	5'-6 1/4"
J	4'-9"	3'-10"	2'-8"	2'-8"
K	5'-7 1/2"	7'-6"	10'-9 1/2"	10'-9 1/2"
L	7'-4"	5'-5"	2'-7 1/2"	2'-7 1/2"

# VENT CALCULATIONS

VENTING REQUIRED=36'x40'=1440/150=9.6 SF

VENT  
S1=3'x7'8"=1.63 SF  
S2=3'x4'8"=1.00 SF  
E1=3'x2'4"=0.50 SF

50 PSF FLOOR LOAD

S1=4'-6.50 SF  
E1=7'-3.50 SF

1000 SF > 9.6

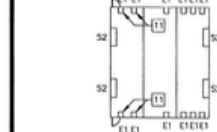
50+20 PSF FLOOR LOAD

S2=4'-4.00 SF  
E1=12'-6.00 SF

1000 SF > 9.6



50 PSF FLOOR LOAD



50+20 AND 100 PSF FLOOR LOADS

# VENT LEGEND

S1=SIDE WALL VENT, 3'x6'-0"  
S2=SIDE WALL VENT, 3'x4'-0"  
E1=END WALL VENT, 3'x2'-0"

# KEY NOTES

- FOUNDATION AT END WALL - SEE FOUNDATION PLATE SCHEDULE
- FOUNDATION AT SIDE WALL - SEE FOUNDATION PLATE SCHEDULE
- FOUNDATION MODLINE PAD AT END WALL - SEE FOUNDATION PLATE SCHEDULE
- FOUNDATION MODLINE PAD AT INTERIOR - SEE FOUNDATION PLATE SCHEDULE
- FOUNDATION PAD AT 4" SEPARATION AT END WALL
- FOUNDATION PAD AT 4" SEPARATION AT INTERIOR WALL
- SILL RESTRAINT - SEE NOTE 1
- TIE PLATE - 5/8"x12"
- AT 10 MPH DESIGN WIND LOAD, MIN (4) AT EACH END WALL, (4) AT EACH SIDE WALL
- AT 60 MPH DESIGN WIND LOAD, MIN (5) AT EACH END WALL, (5) AT EACH SIDE WALL
- 5/8" DIA#4 LAGS
- FOUNDATION VENT
- FOR VENTS THAT OCCUR UNDER LANDINGS PROVIDE EQUAL AREA SCREENED VENT IN LANDING SKIRT.
- 2" OUTLET OF SILL PLATE FOR DRAINAGE, FIELD TO LOCATE AT LOWEST CORNER OF FOUNDATION

# NOTES

- SILL RESTRAINT:  
ON ASPHALT CONCRETE PAVING OR ON SOIL OR ON PRE-DRILLED CONCRETE SLAB ON GRADE USE 1" OD GALVANIZED PIPE AT 10'-0" OC MAX 12" PENETRATION BELOW SURFACE VERTICALLY. DRILLED SILL HOLE TO BE 1 1/4" MAX. PIPE MAY BE GIVEN MAX OF 45° ANGLE. TO VERTICAL 16-1/2" LONG PIPE REQUIRED FOR PENETRATION AT 45° ANGLE.  
ALTERNATE:  
ON CONCRETE PAVING HELD BY 82-810 THRU SILL PLATE, 8" OC AT END WALLS AND 16" OC AT SIDE WALLS.
- TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE, VERIFY DRAINAGE WITH DISTRICT ARCHITECT SITE PLANS.
- A WOOD SILL (FOOTING) PLATE SHALL BE PRESSURE TREATED HERE FOR DOCK FIRE AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING (BY DISTRICT). THE WOOD SILL (FOOTING) PLATE MAY SUPPORT WOOD CRIPPLE STUDS, POSTS OR CONTINUOUS BLOCKING AND SHEATHING (GIRTS) WHICH NEED NOT BE TREATED. FOUNDATION LUMBER TO BE PRECUT AT FACTORY, LUMBER AND PRESSURE TREATING TO BE VERIFIED BY THE IN-PLANT INSPECTOR.
- FOUNDATION DESIGNED FOR 1000 PSF SOIL BEARING PRESSURE PER ORS R 23-6.
- THIS FOUNDATION PLAN HAS 1/4" ADDED AT EACH MODLINE AND 1/8" AT EACH SIDE WALL AND DOES NOT MATCH THE FLOOR PLAN, THIS IS REQUIRED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODLINE BUILDINGS.
- BUILDINGS OVER 2160 SQ. FT. MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION.

REVISIONS	DESCRIPTION	DATE
SP	MODTECH ENGINEERING CHANGE	9/7/00
SP	REVISED NOTE #1	01/03/00

Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal
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PC  
CBC 1998

REVISED JUN 2 2001

CONSTRUCTION SHOP  
OF THE CIVIL ENGINEER  
OFFICE OF REGISTRATION SERVICES  
PC-04  
101268  
DATE SEP 9 7 1999



MODTECH INC.  
2830 BARRETT AVENUE  
PERRIS, CALIF. 92572  
PH (909) 943-4014  
FAX (909) 940-0427

PROJECT NUMBER:

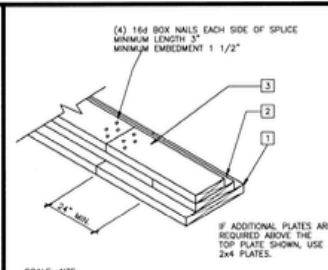
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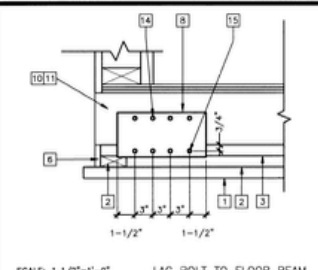
FOUNDATION PLAN 36'x40'/WOOD/50, 50+20, 100 PSF

F1.02

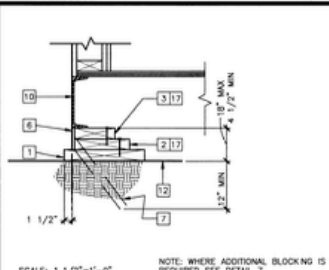




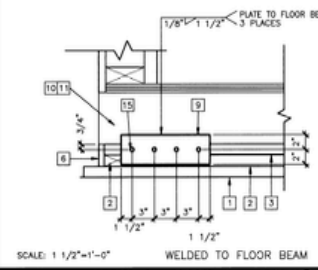
FOUNDATION SPLICE 9



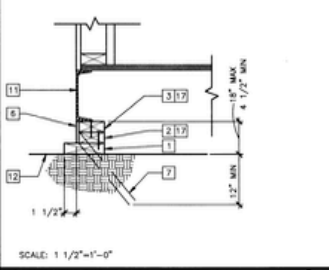
TIE PLATE 5



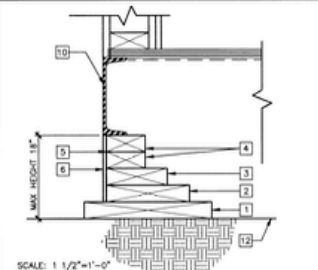
FOUNDATION AT SIDE WALL 1



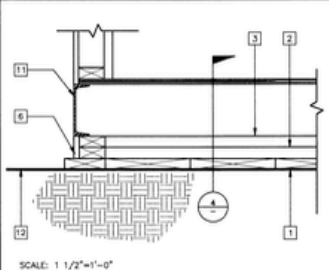
TIE PLATE (ALTERNATE) 6



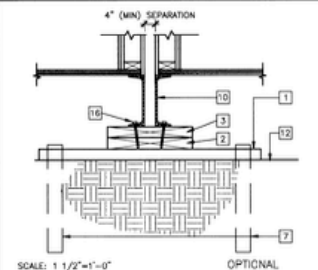
FOUNDATION AT END WALL 2



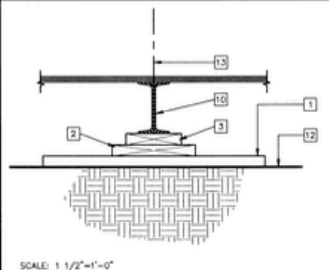
ADDITIONAL BLOCKING 7



FOUNDATION AT MODLINE 3



FOUNDATION AT ADJACENT BUILDING 8



FOUNDATION AT MODLINE 4

- KEY NOTES**
- SILL PLATE - SEE FOUNDATION PLATE SCHEDULE.
  - BLOCKING PLATE - SEE FOUNDATION PLATE SCHEDULE. ATTACH TO SILL OR BLOCKING WITH 16d NAILS AT 12" OC
  - TOP PLATE - SEE FOUNDATION PLATE SCHEDULE. ATTACH TO BLOCKING WITH 16d NAILS AT 12" OC
  - ADDITIONAL 2"x4" BLOCKING AS NECESSARY FOR LEVELING
  - LOCATION OF SHIM PLATES WHERE REQUIRED FOR LEVELING USE 1/4", 1/2" OR 3/4" PLYWOOD AT SAME WIDTH AS TOP PLATE
  - SKIRTING-3/8" PLYWOOD, ATTACH WITH 10d NAILS, EDGE NAILING 4" OC AT END WALLS AND 6" OC AT SIDE WALLS, FIELD NAILING 12" OC
  - SILL RESTRAINT - SEE NOTE 1
  - TIE PLATE 6"x12"x10 GA
  - TIE PLATE 4"x12"x10 GA
  - FLOOR BEAM
  - FLOOR HEADER
  - FINISH GRADE
  - MODLINE
  - 1/4" DIA STS TYPICAL 4 PLACES
  - 1/4" DIAx3" LONG LAG SCREW TYPICAL 4 PLACES
  - 5/8" DIAx4" LAGS (FOR LOCATION SEE PLAN)
  - REMOVE AT VENT LOCATIONS

**REVISIONS**


Electrical Engineer's Seal	Mechanical Engineer's Seal	Structural Engineer's Seal	Architect's Seal	<p>PC</p> <p>CBC 1998</p> <p>IDENTIFICATION STAMP BY: OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES PC-04 101268 DATE: SEP 07 1999</p>
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**MODTECH INC.**  
2830 BARRETT AVENUE  
PERRIS, CALIF. 92572  
PH (909) 943-4014  
FAX (909) 940-0427