

# PRE-BID CLARIFICATION FORM

PROJECT NAME:	FILLMORE HIGH SCHOOL NEW ATHLETIC COMPLEX		
PROJECT NUMBER:	Project No. 2024-017 / DSA #03-123950		
TO:	<b>RJ Stump</b> EMAIL: <a href="mailto:rj.stump@fillmoreusd.org">rj.stump@fillmoreusd.org</a> <b>Fillmore Unified School Dist.</b>  <b>Roy Frey</b> <b>WestGroup Designs</b> <a href="mailto:royf@westgroupdesigns.com">royf@westgroupdesigns.com</a>		
DATE:	February 21, 2025		
FROM:	Icon West, Inc. 520 S. La Fayette Park Pl, Suite 503 Los Angeles, CA 90057	EMAIL:	<a href="mailto:felix@icon-west.com">felix@icon-west.com</a>
DOCUMENT/DIVISION NUMBER:	Sec 053100 - Base Bid	DRAWING NUMBER:	S0-07 - Base Bid

## REQUESTED CLARIFICATION: #41

The Deck schedule (1/S0-07) specifies D1/D1A Deck as being 1 ½" B-36 16 Gauge Roof Deck. The Low Roof shows D1 deck. The High Roof Shows D1A deck. There is no mention of any difference between D1 and D1A deck in the contract drawings.

The metal deck specifications (053100) makes mention of Acoustical Roof Deck and acoustical insulation in 1.01, 2.03.

Please verify whether or not either D1 or D1A deck should be acoustic roof deck.

### Response:

Correct. Provide acoustic deck where D1A designation is made on the plans. See adjacent snapshot for requirements.

ROOF CONSTRUCTION SCHEDULE		
MARK	DECK CONSTRUCTION	DETAIL
D1	1½" B-36 16 GA. ROOF DECK	2
D1A	1½" B-36 16 GA. ROOF ACOUSTIC DECK	2

5415-0 SCALE: NO SCALE

ROOF CONST. SCHEDULE 1

NOTE 3: 3'-0"

NOTE 4: 3'-0"

NOTE 2: 3'-0"

NOTES:

1. # INDICATES PUGGLE WELDS.
2. WHERE DECK RIBS ARE PARALLEL TO SUPPORTS USE ¾" EFFECTIVE PUGGLE WELD @ 12" O.C.
3. SEAM ATTACHMENT TO BE WELD VISC @ 12" O.C. 4" O.C. @ D1A.
4. DECK IS TO BE WELDED TO SUPPORTS BY ¾" EFFECTIVE PUGGLE WELDS AS SHOWN.
5. METAL DECK SHALL BE ATTACHED TO ALL STRUCTURAL STEEL MEMBERS (HSS AND WP) REGARDLESS OF DECK DIRECTION.

MINIMUM DECK PROPERTIES		
Gauge	Yield	Tensile
16	0.387 (0.375 @ 34)	0.578 (0.560 @ 34)
14	0.387 (0.375 @ 34)	0.578 (0.560 @ 34)
12	0.416 (0.397 @ 34)	0.578 (0.560 @ 34)

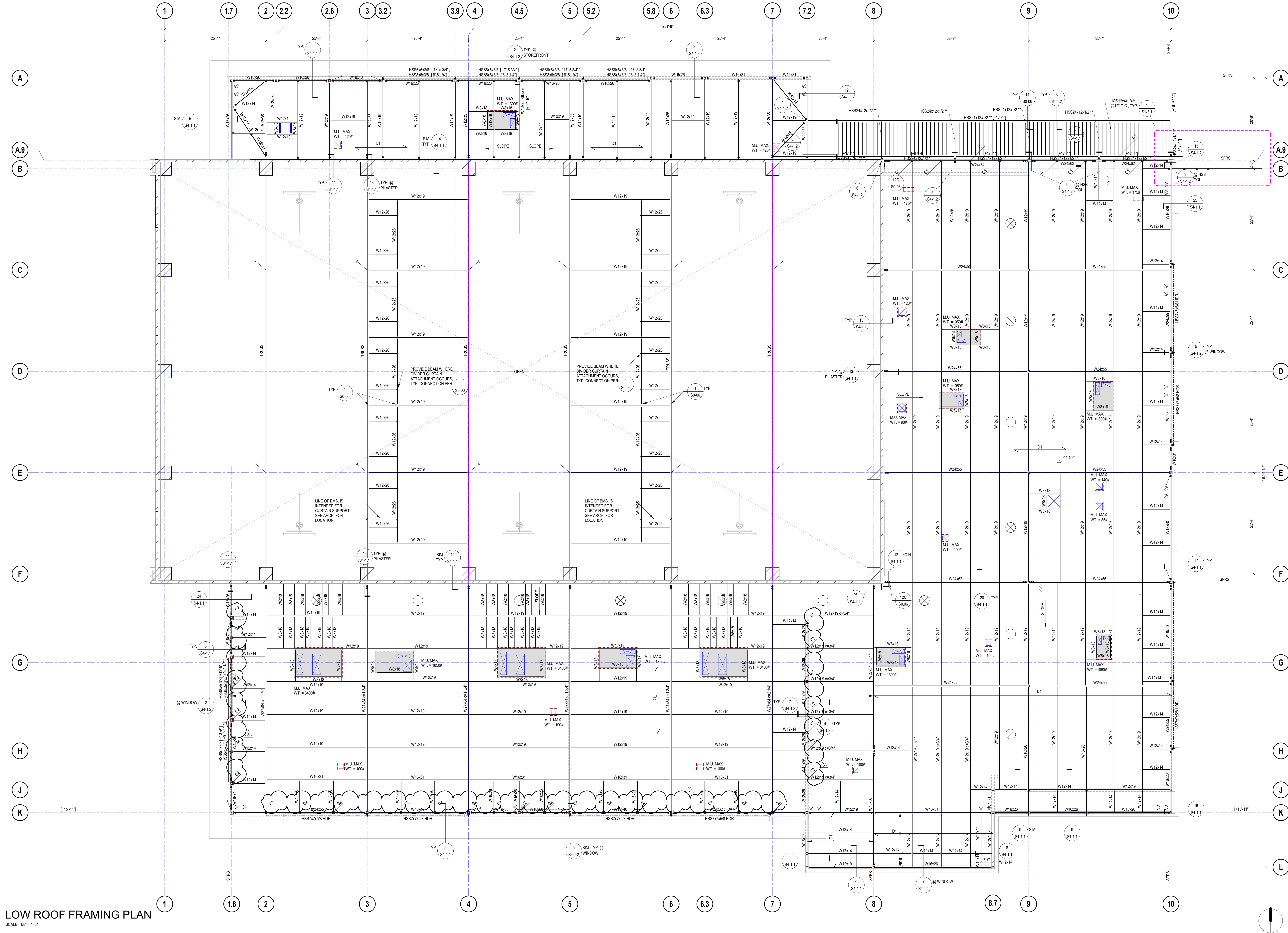
5000-0 SCALE: NO SCALE

ROOF DECK WELDING & SECT. PROP. 2A 2

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DATE:	February 21, 2025		
FROM:	Icon West, Inc. 520 S. La Fayette Park Pl, Suite 503 Los Angeles, CA 90057	EMAIL:	<a href="mailto:felix@icon-west.com">felix@icon-west.com</a>
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	A4-3.1, A4-3.3, A4-3.5, S4-1.1 thru S4-1.3 (Base Bid)

There seems to be tube steel members that assist in framing the decorative parapet wall system as seen in architectural sections sim. to sheets A4-3.1, A4-3.3 & A4-3.5. Structural details for this seem to be the following: 1,2,5,10,22,24/S4-1.1; 2,/S4-1.2; 2,4,7/S4-1.3. To clarify the intent of the steel above the metal deck level, is it possible to request a complete plan and elevation view of all the steel above the metal deck elevation? This would help identify where the steel is located and what the steel members are along with how the steel is connected.

Travis Culp - RTM (2/24/25)  
Received 02/24/25



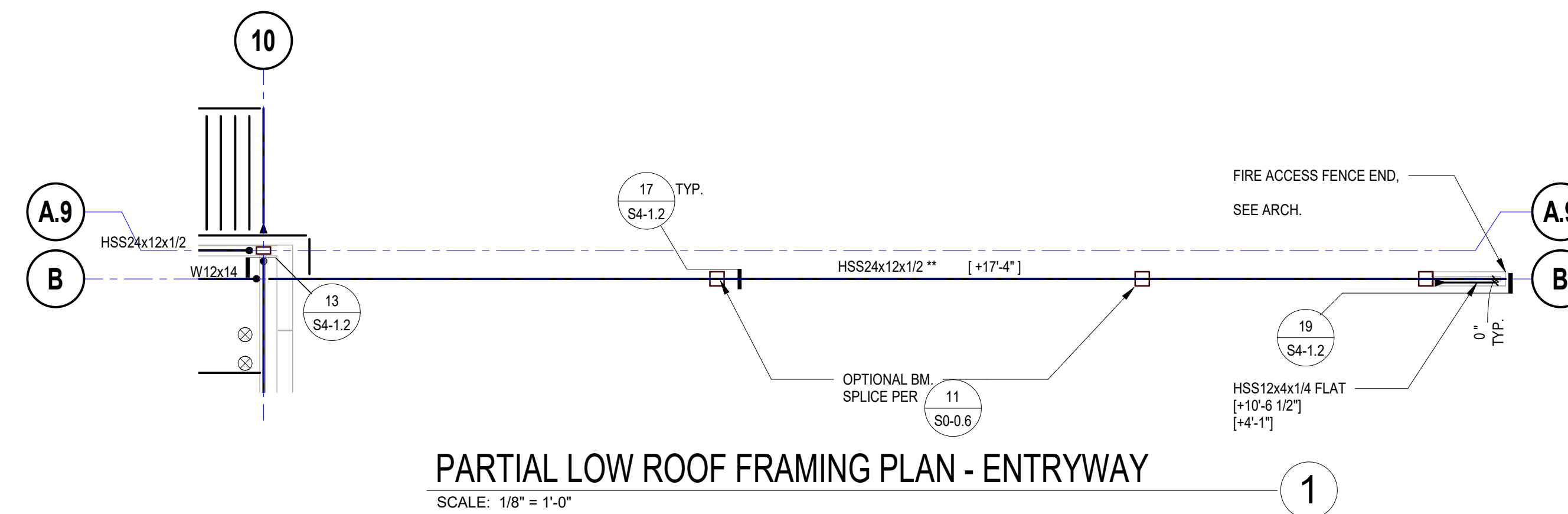
LOW ROOF FRAMING PLAN  
SCALE: 1/8" = 1'-0"

### ROOF FRAMING PLAN NOTES

- SEE SHEETS S0-01 THROUGH S0-09 FOR GENERAL NOTES AND TYPICAL DETAILS.
- FOR ANY DIMENSIONAL INFORMATION NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
- SEE ARCHITECTURAL PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF ROOF OPENINGS NOT SHOWN ON ROOF FRAMING PLANS. SEE DETAILS 4/8-07 FOR TYPICAL OPENINGS, UNLESS NOTED OTHERWISE.
- ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS, UNLESS NOTED OTHERWISE.
- "M.U." DENOTES MECHANICAL UNIT. MAXIMUM ALLOWABLE WEIGHT IS SHOWN, SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EXACT SIZE AND WEIGHT OF MECHANICAL UNITS FOR TYPICAL FRAMING AT MECHANICAL UNITS. SEE DETAIL 10/50-07.
- THE CONTRACTOR SHALL COORDINATE LOCATION OF ALL FRAMING BEAMS AT MECHANICAL UNITS WITH MECHANICAL DRAWINGS. THE LOCATION OF FRAMING SHALL MATCH CURB LAYOUT AND ROOF PENETRATIONS FOR THE SUPPLIED UNITS.

### LEGEND

- [+10'-0"] INDICATES TOP OF STEEL ELEVATION.
- D1 INDICATES SPAN OF METAL DECK. DECK SPAN SHALL SPAN OVER 2 SPANS MINIMUM (3 SUPPORTS) AND 3 SPANS (4 SUPPORTS) WHEREVER POSSIBLE. SEE ROOF CONSTRUCTION SCHEDULE ON SHEET 10/50-07 FOR STRUCTURAL DECK AND FILL REQUIREMENTS.
- 1/8" INDICATES AMOUNT OF DIMENSION IN STEEL BEAM. NO DIMENSION REQUIRED WHERE NONE SHOWN.
- INDICATES TYPICAL CONNECTION WITH ASTM A325SC BOLTS.
- INDICATES WELDED DRAG CONNECTION PER DETAIL 12/50-06.
- INDICATES EXTENDED WELDED DRAG CONNECTION PER DETAIL 12/50-06.
- INDICATES WELDED MOMENT CONNECTION.
- INDICATES A BRACED FRAME BEAM TO COLUMN CONNECTION. SEE BRACED FRAME ELEVATIONS FOR ADDITIONAL INFO.
- INDICATES 2" OF LIGHTWEIGHT CONCRETE (110 PCF) FILL UNDER MECH. UNIT.
- INDICATES PARAPET SUPPORT HSS COLUMN ABOVE PER 2/54-1.1.
- SFRS INDICATES A LINE OF FRAMING THAT IS PART OF THE SEISMIC FORCE RESISTING SYSTEM. ALL WELDING SHALL CONFORM TO AWS D1.1 & D1.8.
- [+10'-0"] INDICATES TOP OF STEEL ELEVATION.
- INDICATES KICKER BRACE PER DETAIL 8/55-1.1.
- INDICATES ARCHITECTURAL EXPOSED STRUCTURAL STEEL (AESS) - CATEGORY 3.
- INDICATES HSS6x6x3/8 COLUMN ABOVE PER 10/54-1.1.



PARTIAL LOW ROOF FRAMING PLAN - ENTRYWAY  
SCALE: 1/8" = 1'-0"



19900 MacArthur Boulevard | Suite 1000  
Irvine | California | 92612  
949.250.0880 | FAX 949.250.0882  
www.westgroupdesigns.com



rtm Job No.: 23 WGD001 1113 (252.020)

FILLMORE HIGH SCHOOL ATHLETIC COMPLEX  
FILLMORE UNITED SCHOOL DISTRICT  
555 Central Ave. Fillmore, CA 93015

ISSUED FOR:

REVISIONS:  
1 Addendum 1  
3 Addendum 3

REGISTRATION/SIGNATURE:

SHEET TITLE:

LOW ROOF FRAMING PLAN

SHEET NUMBER:

S1-3.1

WD PROJ. # 22851 | DRAWN BY Author | CHECKED Checker | DATE 11/14/2024

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DSA RESUBMITTAL - 06/20/2024





# PRE-BID CLARIFICATION FORM

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DATE:	February 21, 2025		
FROM:	Icon West, Inc. 520 S. La Fayette Park Pl, Suite 503 Los Angeles, CA 90057	EMAIL:	<a href="mailto:felix@icon-west.com">felix@icon-west.com</a>
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	S4-1.3, S4-1.1 (Base Bid)

REQUESTED CLARIFICATION: #44

Det. 2/S4-1.3 references Det. 22 of the same sheet. Please confirm this reference should be to Det. 22/S4.1.1?

Response:  
Correct.

Travis Culp - RTM (2/24/25)  
Received 02/24/25

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TO:		RJ Stump Fillmore Unified School Dist. EMAIL: <a href="mailto:rj.stump@fillmoreusd.org">rj.stump@fillmoreusd.org</a>  Roy Frey WestGroup Designs EMAIL: <a href="mailto:royf@westgroupdesigns.com">royf@westgroupdesigns.com</a>	
DATE:	02/21/25		
FROM:	AMG & Associates Inc David Silva 661-251-7401	EMAIL:	<a href="mailto:estimating@amgassociatesinc.com">estimating@amgassociatesinc.com</a>
DOCUMENT/DIVISION NUMBER:	E004	DRAWING NUMBER:	

REQUESTED CLARIFICATION:
<p><b>Please circle all applicable bid packages below, that this RFI pertains to:</b></p> <p><b>Base bid</b></p> <p><b>Alt #1</b></p> <p><b>Alt #2</b></p> <p>Need clarification regarding single line at panel LK. See attached.</p>

PRE-BID CLARIFICATION FORM

RESPONSE TO CLARIFICATION:

See attached revised sheets E100 E102.  
Run new feeder HDK, set new transformer, remove & replace existing  
panel with new LK. Reconnect existing loads.

AGD-GM 02-24-2025

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.







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TO:	RJ Stump Fillmore Unified School Dist.  Roy Frey WestGroup Designs		
	EMAIL: <a href="mailto:ri.stump@fillmoreusd.org">ri.stump@fillmoreusd.org</a> ,  EMAIL: <a href="mailto:royfawest2roupdesigns.com">royfawest2roupdesigns.com</a>		
DATE:			
FROM:	SC Anderson - Raymond Ramos	EMAIL:	<a href="mailto:ramosr@scanderson.com">ramosr@scanderson.com</a>
DOCUMENT/DIVISION NUMBER:	Fire Suppression - 21	DRAWING NUMBER:	

## REQUESTED CLARIFICATION:

**Please circle all applicable bid packages below, that this RFI pertains to:**

Base **bid** N/A

**Alt #1** Included

**Mt #2** Included

Please confirm if DSA stamped fire sprinkler reference plans will be provided for the scope of work required in Alternates 1 and 2.

If not, will plans showing the existing fire sprinkler systems in these areas be provided?

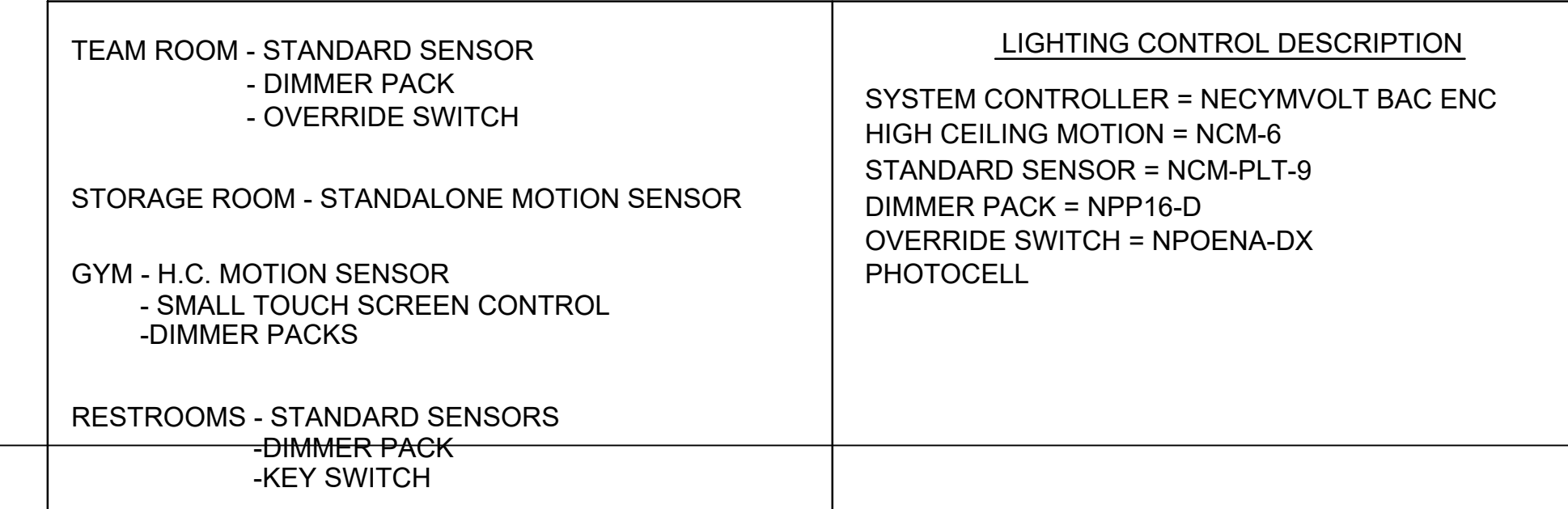
Alternate 1 and 2 do not have a sprinkler system.

02.24.2025 - Westgroup Designs

# PRE-BID CLARIFICATION FORM

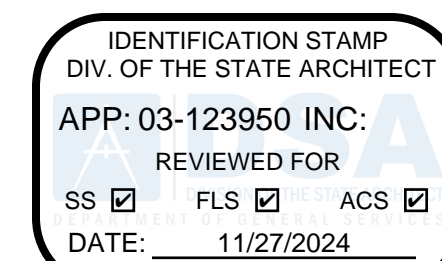
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TO:		RJ Stump Fillmore Unified School Dist. EMAIL: <a href="mailto:rj.stump@fillmoreusd.org">rj.stump@fillmoreusd.org</a>  Roy Frey WestGroup Designs EMAIL: <a href="mailto:royf@westgroupdesigns.com">royf@westgroupdesigns.com</a>	
DATE:	02-19-25		
FROM:	McGillivray Construction, Inc.	EMAIL:	<a href="mailto:elizabeth@mcgillivrayconstruction.com">elizabeth@mcgillivrayconstruction.com</a>
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	Architectural RCP And Electrical RCP

REQUESTED CLARIFICATION:	
<p><b>Please circle all applicable bid packages below, that this RFI pertains to:</b></p> <p><b>Base bid</b>      See attached marked up electrical reflected ceiling plan. The red clouded area seems to show lights on the architectural reflected ceiling plan, but the light fixtures are not called out on the electrical RCP. Are light fixtures intended to be here? Please provide quantity and type.</p> <p><b>Alt #1</b></p> <p><b>Alt #2</b></p> <p>Lights clouded on the architectural drawing are not required. This was a graphical error on the sheet.</p> <p>Westgroup Designs 02/25/2025</p>	

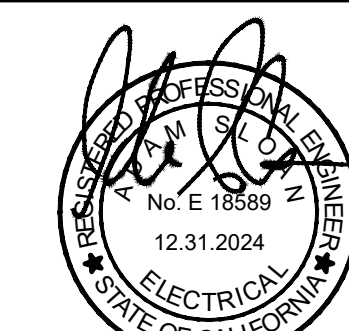


**PLAN NOTES:**

- 1 MOUNT FIXTURE IN FRONT OF "HALL OF CHAMPIONS" LETTERS
- 2 PROVIDE DIMMER SWITCH. MOUNT AT TOP OF DISPLAY CASE.
- 3 TAPE LIGHT MOUNT ABOVE THE DOOR. (WASHING ADJACENT WALL.)
- 4 MOUNT IN DISPLAY CASE - RUN AROUND PERIMETER OF CASE SEE 1B & 1D/SH. E3-1-2



19900 MacArthur Boulevard | Suite 1000  
Irvine | California | 92612  
949.250.0880 | FAX 949.250.0882  
[www.westgroupdesigns.com](http://www.westgroupdesigns.com)



**FILLMORE HIGH  
SCHOOL ATHLETIC  
COMPLEX  
FILLMORE  
UNIFIED SCHOOL  
DISTRICT**

**555 CENTRAL AVE, FILLMORE  
CA. 93015**

ISSUED FOR

REVISIONS:

REGISTRATION/SIGNATURE \_\_\_\_\_

SHEET TITLE:

## 1ST FLOOR RCP

QUEST NUMBER \_\_\_\_\_

## E3-1.1

WD PROJ. #	DRAWN BY:	CHECKED	DATE
22851	DL AM	GM	06/07/23

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1ST FLOOR RCP

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**ATHLETIC COMPLEX - BID SET 2-7-25** Page 112 of 194

PRE-BID CLARIFICATION FORM

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DATE:	February 19, 2025		
FROM:	Icon West, Inc. 520 S. La Fayette Park Pl, Suite 503 Los Angeles, CA 90057	EMAIL:	<a href="mailto:felix@icon-west.com">felix@icon-west.com</a>
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	detail 6/C-2 (Athletic Complex), detail 4/ C-2 (ALT #1), detail 3/C-1 (ALT #2)

REQUESTED CLARIFICATION: #37

Detail 6/C-2 (Athletic Complex), detail 4/C-2 (ALT #1), and detail 3/C-1 (ALT #2) specify '6" of well-graded 3/4" crushed rock' under the walkway. This seems incorrect, as 3/4" crushed rock is atypical for use under concrete sidewalks and will resist compaction. Some details show Class II aggregate base, which seems more suitable. Can you confirm if the 3/4" rock callout is an error? Please advise.

PRE-BID CLARIFICATION FORM

RESPONSE TO CLARIFICATION:

Confirmed.  
Provide 3/4" class II aggregate base (CalTrans specification).  
Farhad Rezai CEDI 02.25.2025

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

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DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	C-2 (Base Bid)

REQUESTED CLARIFICATION: #42

Please confirm that all the bollards for this project are "Type A" as seen on Det. 15/C-2. We cannot seem to find any callouts that differentiate between "Type A" and "Type B". Type B is removable and requires more work and must be identified as such.

PRE-BID CLARIFICATION FORM

RESPONSE TO CLARIFICATION:

All bollards at New Fire Hydrants are Type A per details 18 and 15 on sheet C-2.

See architectural plans for bollard details other locations.

Farhad Rezai CEDI 2025.02.25

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<b>TO:</b>		<b>RJ Stump</b> <b>Fillmore Unified School Dist.</b>	<b>EMAIL:</b> <a href="mailto:rj.stump@fillmoreusd.org">rj.stump@fillmoreusd.org</a>
		<b>Roy Frey</b> <b>WestGroup Designs</b>	<a href="mailto:royf@westgroupdesigns.com">royf@westgroupdesigns.com</a>
<b>DATE:</b>	<b>February 19, 2025</b>		
<b>FROM:</b>	<b>Icon West, Inc.</b> <b>520 S. La Fayette Park Pl, Suite 503</b> <b>Los Angeles, CA 90057</b>	<b>EMAIL:</b>	<b>felix@icon-west.com</b>
<b>DOCUMENT/DIVISION NUMBER:</b>		<b>DRAWING NUMBER:</b>	<b>L1.0 - Base Bid</b>

REQUESTED CLARIFICATION: #39

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Sheet L1.0 Hardscape Schedule & Notes calls out an "Acid Wash Finish" for notes W1, W2, and W3 on the walls. However, the large size of these P.I.P. walls requires curing before the forms are removed, preventing the application of an acid wash or Top-Cast finish while the concrete is still wet. The only surface retarder mentioned in the specs is "Top-Cast" by Grace which does not yield the product's desired result if applied after the concrete has cured. We recommend a smooth sack & patch finish for these walls. Please advise.

## PRE-BID CLARIFICATION FORM

### RESPONSE TO CLARIFICATION:

RLA Response:

Base Bid: Sand/Shot Blast

Bid Alternate: Smooth Sacked Finish

Contractor to provide a wall mock-up (per plans and specs.) of each finish type at the time of construction.  
Mock-ups to be reviewed by design team and District prior to wall installation.

Jared Bohonus

02/25/2025

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

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DATE:	February 19, 2025		
FROM:	Icon West, Inc. 520 S. La Fayette Park Pl, Suite 503 Los Angeles, CA 90057	EMAIL:	<a href="mailto:felix@icon-west.com">felix@icon-west.com</a>
DOCUMENT/DIVISION NUMBER:		DRAWING NUMBER:	L1.0 - Base Bid

REQUESTED CLARIFICATION: #40

Similar to the previous RFI, the wall schedule notes on sheet L1.0 ask to provide (3) mock-ups with different levels of acid finish (light, medium, & heavy). While this may be achieved with mock-ups, it is not possible to remove forms from a large wall that has not cured yet to apply a surface retarder, much less achieve (3) distinct finishes if applying after concrete has cured. Sand blast finish is also not recommended due to environmental hazards and inconsistent appearance. A smooth sack & patch finish is recommended. Please advise.

## PRE-BID CLARIFICATION FORM

### RESPONSE TO CLARIFICATION:

#### RLA Response:

Substitute acid wash finish with sand/shot blast finish. Provide a mock-up demonstrating light, medium, and heavy sand/shot blast. These (3) mock-ups are in addition to the smooth sacked finish referenced in RFI #39.

Contractor to provide a wall mock-up (per plans and specs.) of each finish type at the time of construction. Mock-ups to be reviewed by design team and District prior to wall installation.

Jared Bohonus  
02/25/2025

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		<b>Roy Frey</b> <b>WestGroup Designs</b>	<a href="mailto:royf@westgroupdesigns.com">royf@westgroupdesigns.com</a>
DATE:	<b>02-18-25</b>		
FROM:	<b>MCGILLIVRAY CONSTRUCTION, INC</b>	EMAIL:	<b>elizabeth@mcgillivray construction.com</b>
DOCUMENT/DIVISION NUMBER:	<b>09 29 00</b>	DRAWING NUMBER:	

**Please circle all applicable bid packages below, that this RFI pertains to:**

Alt #1

Alt #2

Response:  
Please see revised spec section attached with updated clarification on dry wall finishing.

**SECTION 09 29 00  
GYPSUM BOARD ASSEMBLY**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Acoustic insulation.
- B. Gypsum wallboard.
- C. Joint treatment and accessories.

**1.02 RELATED REQUIREMENTS**

- A. Section 05 40 00 - Cold-Formed Metal Framing: Structural steel stud framing.
- B. Section 07 27 26 - Gypsum Air and Vapor Barrier Sheathing System: Cement Board
- C. Section 09 22 10 - Non-Structural Metal Framing.
- D. Section 09 30 00 - Tiling

**1.03 REFERENCE STANDARDS**

- A. ASTM C475/C475M - Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board; 2017.
- B. ASTM C840 - Standard Specification for Application and Finishing of Gypsum Board; 2019b.
- C. ASTM C954 - Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs From 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness; 2018.
- D. ASTM C1002 - Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs; 2018.
- E. ASTM C1047 - Standard Specification for Accessories For Gypsum Wallboard and Gypsum Veneer Base; 2019.

**1.04 SUBMITTALS**

- A. See Section 01 33 00 - Submittals for submittal procedures.
- B. Product Data: Provide data on gypsum board, glass mat faced gypsum board, accessories, and joint finishing system.
- C. Samples: Submit two samples of gypsum board finished with proposed texture application, 12 by 12 inches in size, illustrating finish color and texture.

**1.05 QUALITY ASSURANCE**

- A. Installer Qualifications: Company specializing in performing gypsum board installation and finishing, with minimum 5 years of experience.

**PART 2 PRODUCTS**

**2.01 BOARD MATERIALS**

- A. Manufacturers
  - 1. National Gypsum Company; Bases of Design: [www.nationalgypsum.com](http://www.nationalgypsum.com).
  - 2. Georgia-Pacific Gypsum: [www.gpgypsum.com](http://www.gpgypsum.com).
  - 3. USG Corporation: [www.usg.com](http://www.usg.com).
  - 4. Or Approved Equal.
- B. Board Products
  - 1. General
    - a. All gypsum board products shall be:
      - 1) Mildew and mold resistant, with a score of 10 on ASTM D3273.
      - 2) water resistant
      - 3) 5/8-inch thick, unless noted otherwise.

WD 22851	FILLMORE UNIFIED SCHOOL DISTRICT	12/12/2023
DSA 03-123950	FILLMORE HIGH SCHOOL ATHLETIC COMPLEX	

- 4) Type X
2. Impact Resistant Gypsum Board
  - a. Product: Gold Bond - XP Hi-Impact Gypsum Board
  - b. Panel Physical Characteristics:
    - 1) Core: Enhanced Mold Moisture-Resistant Type X Core with Embedded fiberglass mesh Reinforcement.
    - 2) Face and Back Paper: Heavy Abrasion/Mold and Moisture-Resistant.
    - 3) ASTM D4977 Surface Abrasion Classification Level 3.
    - 4) ASTM D5420 Surface Indentation Classification Level 1.
    - 5) ASTM E695 Soft-Body Impact Classification Level 3.
    - 6) Annex A1 Hard-Body Impact Classification Level 3.
3. Mold and Mildew Resistant Tile Backer
  - a. Product: Gold Bond eXP Tile Backer
  - b. Panel Physical Characteristics:
    - 1) Core: Mold and moisture resistant gypsum core.
    - 2) Surface: Fiberglass Mat; moisture resistant, acrylic coated water barrier on front.
    - 3) Water Absorption: less than 5% when tested in accordance with ASTM C473.
    - 4) Combustibility: Noncombustible when tested in accordance with ASTM E136.
    - 5) Flame spreads/smoke Developed: 0/0 when tested in accordance with ASTM E84.
    - 6) Provide low emitting material complying with the requirements of ASTM C 1178.
4. Gypsum Board
  - a. Product: Gold Bond XP Gypsum Board
  - b. Panel Physical Characteristics:
    - 1) Core: Enhanced Mold Moisture-Resistant
    - 2) Face Paper: Mold and Moisture-Resistant.
    - 3) ASTM E84 Surface Burning Characteristics:
      - (a) Flame spread: 15
      - (b) Smoke Development: 0
    - 4) Panel complies with requirements of ASTM C 1396

## 2.02 GYPSUM WALLBOARD ACCESSORIES

- A. Acoustic Insulation: Meeting ASTM C665; preformed glass fiber, friction fit type, unfaced.
  1. Thickness: Full depth of wall stud.
- B. Acoustic Sealant: Acrylic emulsion latex or water-based elastomeric sealant; do not use solvent-based non-curing butyl sealant.
  1. Products:
    - a. Franklin International, Inc; Titebond GREENchoice Professional Acoustical Smoke and Sound Sealant: [www.titebond.com/#sle](http://www.titebond.com/#sle).
    - b. Liquid Nails, a brand of PPG Architectural Coatings; AS-825 Acoustical Sound Sealant: [www.liquidnails.com/#sle](http://www.liquidnails.com/#sle).
    - c. Specified Technologies Inc; Smoke N Sound Acoustical Sealant: [www.stifirestop.com/#sle](http://www.stifirestop.com/#sle).
  2. Beads, Joint Accessories, and Other Trim: ASTM C1047, galvanized steel or rolled zinc, unless noted otherwise.
    - a. Corner Beads: Low profile, for 90 degree outside corners.
- C. Joint Materials: ASTM C475/C475M and as recommended by gypsum board manufacturer for project conditions.
- D. Fasteners: ASTM C1002, United States Gypsum type S, S12, W, G, and Durock cement board screws, or approved equal, as recommended by manufacturer; corrosion resistant; sizes as recommended by manufacturer or as indicated.

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- E. Screws for Fastening of Gypsum Panel Products to Cold-Formed Steel Studs Less than 0.033 inches in Thickness and Wood Members: ASTM C1002; self-piercing tapping screws, corrosion-resistant.
- F. Screws for Fastening of Gypsum Panel Products to Steel Members from 0.033 to 0.112 inch in Thickness: ASTM C954; steel drill screws, corrosion-resistant.

### **PART 3 EXECUTION**

#### **3.01 EXAMINATION**

- A. Verify that project conditions are appropriate for work of this section to commence.

#### **3.02 SOUND INSULATED PARTITIONS**

- A. Acoustic Insulation: Place tightly within spaces, around cut openings, behind and around electrical and mechanical items within partitions, and tight to items passing through partitions.
- B. Acoustic Sealant: Install in accordance with manufacturer's instructions.
  - 1. Place continuous bead at perimeter of each layer of gypsum board.
  - 2. Seal around all penetrations by conduit, pipe, ducts, and rough-in boxes, except where firestopping is provided.

#### **3.03 BOARD INSTALLATION**

- A. General
  - 1. Installation on Metal Framing: Use screws for attachment of gypsum board.
  - 2. Install using largest pieces possible.
- B. Abuse Resistant Gypsum Board Installation
  - 1. Install in accordance with manufacturer recommendations, ASTM C840 and GA-216
- C. Tile Backer Gypsum Board Installation
  - 1. General
    - a. Install in accordance with manufacturer recommendations, ASTM C840 and GA-216
    - b. Install with acrylic coated water barrier side facing away from the framing, so that finishes shall be applied to the coated side.
    - c. Caulk or seal penetrations and abutments to dissimilar materials.
  - 2. For Walls
    - a. Install panels horizontal or vertical to supports spaced a maximum of 16-inches on center.
    - b. Space fasteners 8-inches on center along all support members. Drive fasteners flush with the panel surface, do not countersink.
  - 3. For Ceilings
    - a. Install panels perpendicular to supports spaced a maximum of 12-inches on center for 1/2-inch thick panels and 16 inches on center for 5/8-inch thick panels.
    - b. Space fasteners 8 inches on center along all support members. Drive fasteners flush with the panel surface, do not countersink.

#### **3.04 INSTALLATION OF TRIM AND ACCESSORIES**

- A. Control Joints: Place control joints consistent with lines of building spaces and as indicated.
- B. Corner Beads: Install at external corners, using longest practical lengths.
- C. Edge Trim: Install at locations where gypsum board abuts dissimilar materials.

#### **3.05 JOINT TREATMENT AND FINISH**

- A. Finish gypsum board in accordance with levels defined in ASTM C840, as follows:
  - 1. Level 4: Walls and ceilings to receive paint finish or wall coverings, unless otherwise indicated.
  - 2. Level 2: On backing board to receive tile finish.

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3. Level 1: Applications and areas not open to public view such as plenum areas above ceilings, attics, and other areas where the assembly is concealed.
- B. Tape, fill, and sand exposed joints, edges, and corners to produce smooth surface ready to receive finishes as follows:
1. Feather coats of joint compound so that camber is maximum 1/32 inch.
  2. Fill all corners and recesses between boards with sufficient thickness of joint compound to completely hide board at all joints. Center tape on joint and press tightly to 2 panels using suitable tool. Lay excess joint compound squeezed from beneath tape smoothly on top of tape.
  3. When first coat is dry, spread a second coat of joint compound evenly over entire joint to beyond tapered edge of board or edge of tape.
  4. When second coat is dry, apply sufficient joint compound to level all surfaces of joint.
  5. Apply at least 2 coats of joint compound to completely fill screw depressions flush with surface of panel. Treat all other depressions in panel surface as required for screws.
  6. At metal trim, apply 3 full coats of joint compound, feathering away from flanges. At corner beads, apply joint compound full thickness at bead and feather out at least 10 inches.
  7. Between coats of joint compound, rough spots or areas shall be sanded smooth.
  8. When dry, the finish coat shall be sanded as required to leave joints and filled depressions flat, flush, and smooth, ready for finishing.

### 3.06 TOLERANCES

- A. Maximum Variation of Finished Gypsum Board Surface from True Flatness: 1/8 inch in 10 feet in any direction.

### 3.07 GYPSUM BOARD TYPE - SCHEDULE

<b><u>BOARD TYPE</u></b>	<b><u>LOCATION</u></b>
Impact Resistant Gypsum Board	Room 101 Gymnasium
	Room 137 Weight Room
	Room 133 Wrestling Room
Mold and Mildew Resistant Tile Backer	At all tiled walls
	Room 120 Janitor
XP Gypsum Board	All walls and ceilings unless noted otherwise

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PROJECT NAME:		FILLMORE HIGH SCHOOL NEW ATHLETIC COMPLEX	
PROJECT NUMBER:		Project No. 2024-017 / DSA #03-123950	
TO:		RJ Stump Fillmore Unified School Dist.  Roy Frey WestGroup Designs	
		EMAIL: <a href="mailto:rj.stump@fillmoreusd.org">rj.stump@fillmoreusd.org</a>  <a href="mailto:royf@westgroupdesigns.com">royf@westgroupdesigns.com</a>	
DATE:	02-18-25		
FROM:	McGillivray Construction, Inc.	EMAIL:	elizabeth@mcgillivray construction.com
DOCUMENT/DIVISION NUMBER:	09 29 00	DRAWING NUMBER:	

**Please circle all applicable bid packages below, that this RFI pertains to:**

### Alt #1

Alt #2

Gypsum Board Spec calls for High Abuse board and mold resistant board in certain locations. How high does the high abuse board and mold resistant board need to go? 8'? Full Height?

Response:

All the mold resistant board needs to be the entire full height of the room.

We do not have a "high abuse board" specified, However if you are referring to the impact resistant board it would need to be full height.

# PRE-BID CLARIFICATION FORM

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PROJECT NUMBER:		Project No. 2024-017 / DSA #03-123950	
TO:		RJ Stump Fillmore Unified School Dist. EMAIL: <a href="mailto:rj.stump@fillmoreusd.org">rj.stump@fillmoreusd.org</a>  Roy Frey WestGroup Designs EMAIL: <a href="mailto:royf@westgroupdesigns.com">royf@westgroupdesigns.com</a>	
DATE:	2/19/25		
FROM:	Neil Hulin	EMAIL:	Nhulin@bowecontractors.com
DOCUMENT/DIVISION NUMBER:	09 96 00 and 09 90 00	DRAWING NUMBER:	A3-1.1

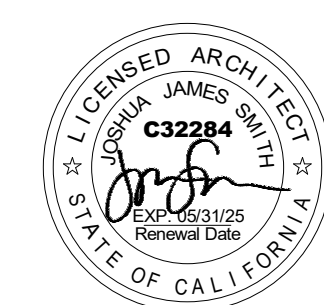
REQUESTED CLARIFICATION:
<p><b>Please circle all applicable bid packages below, that this RFI pertains to:</b></p> <p><b>Base bid</b></p> <p>Alt #1</p> <p>Alt #2</p> <p>Specification section 09 96 00 calls out steel decking to receive a high-performance coating, while specification section 09 90 00 calls out exposed building structure to receive Latex dry fall, flat, Aquafall AQUA10, and the reflected ceiling plan calls out the exposed decking to receive "P2" (Dunn-Edwards DEHW09 Be Cool paint). Please advise which finish the exposed decking receives.</p> <p><b>Response:</b>          The steel decking is on the interior of the building and where exposed is to receive paint color P4 (Dunn-Edwards DEA002 Black) with the type of paint to be Aquafall AQUA10. See revised sheet A3-1.1 attached</p> <p>There is no exterior steel decking on the project that would need the high-performance coating.</p>



REFLECTED CEILING PLAN

1  
1/8" = 1'-0"

REGISTRATION SIGNATURE:



SHEET TITLE:

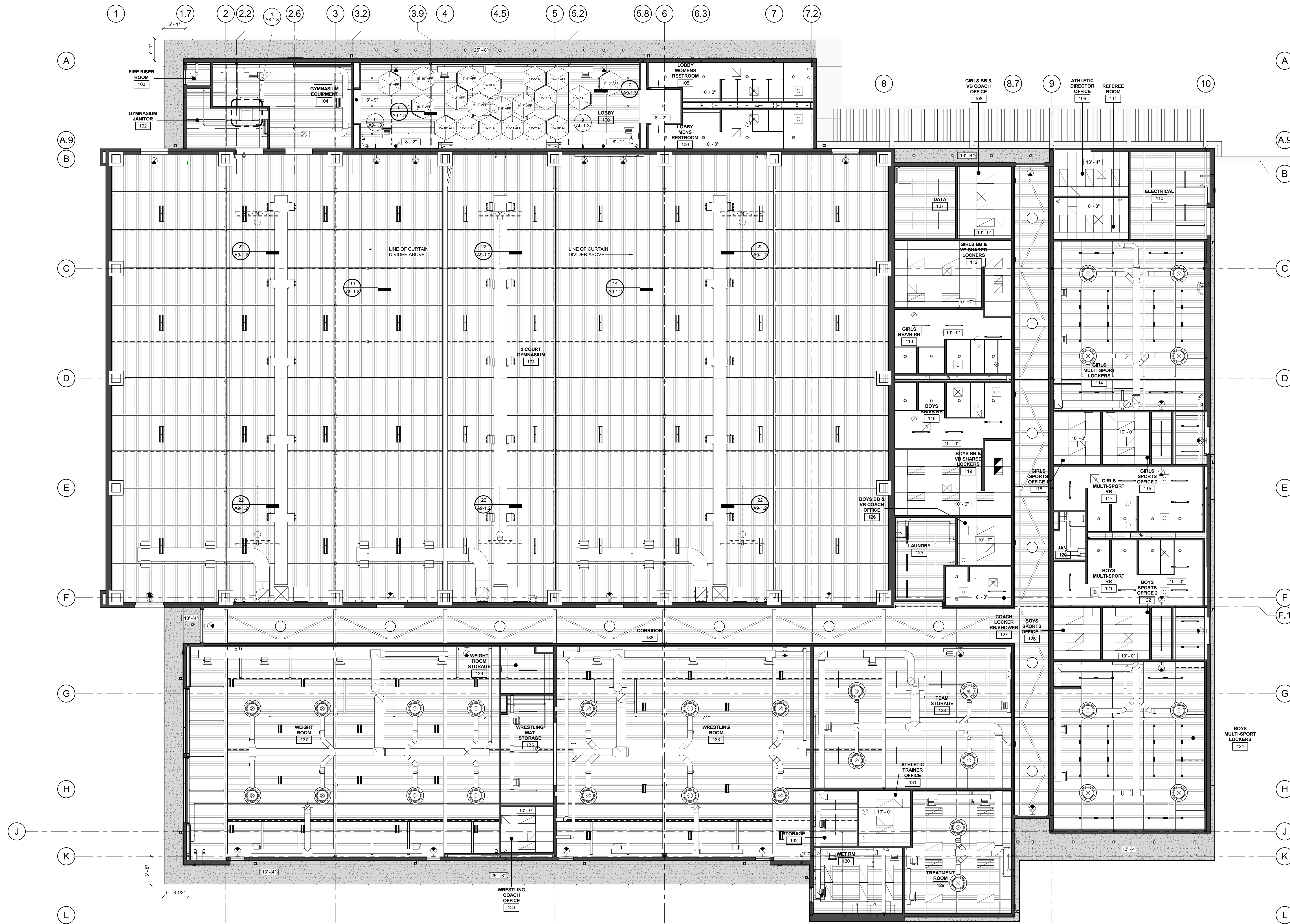
**REFLECTED CEILING PLAN**

SHEET NUMBER:

**A3-1.1**

WD PROJ. # 22851 | DRAWN BY: Author | CHECKED: Checker | DATE: 01/30/24

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**LEGEND**

- 9/16" x 2" x 4" USG DOWN FINELINE DXF GRID WITH USG MARS HIGH-CAC PANELS OR APPROVED EQUAL
- 5/8" GYPSUM BOARD CEILING OVER METAL STUD, P2 FINISH
- STRUCTURE DECK ABOVE, LEFT EXPOSED, P4 FINISH
- CEMENT PLASTER PER 6 / A8-1.2
- DIFFUSER
- EXIT SIGN, SEE ELECTRICAL
- CEILING MOUNTED
- DIRECTIONAL ARROWS
- WALL MOUNTED
- INDICATES HEIGHT OF CEILING ABOVE FINISH FLOOR
- INDICATES HEIGHT OF ARKUTURA SOUNDSTAR ABOVE FINISH FLOOR SEE 6 / A8-1.3 FOR MORE INFORMATION.

**GENERAL NOTES**

- ONE FULL CEILING TILE IN TOP RIGHT CORNER OF ROOM U.N.O.
- ALL GYPSUM BOARD CEILINGS AND SOFFITS TO BE PAINTED IN P2, U.N.O.
- NOTIFY WESTGROUP DESIGNS OF ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND ELECTRICAL OR MECHANICAL DRAWINGS AND OBTAIN CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
- LOCATE RECESSED DOWNLIGHTS, WALL WASHERS AND SPOT LIGHTS IN THE CENTER OF 2'x4' CEILING TILES, U.N.O.
- NO ACCESS HATCHES IN GYPSUM BOARD CEILING WITHOUT PRIOR APPROVAL FROM ARCHITECT.
- LIGHT SENSOR LOCATIONS AS DETERMINED BY THE ELECTRICAL ENGINEER SHALL BE FIELD APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE FLUSH SPRINKLER HEAD COVERS AT ALL GYPSUM BOARD AND DECORATIVE SPECIALTY CEILINGS. CONFIRM COLOR AND FINISH WITH ARCHITECT PRIOR TO PROCUREMENT.

# PRE-BID CLARIFICATION FORM

PROJECT NAME:	FILLMORE HIGH SCHOOL NEW ATHLETIC COMPLEX		
PROJECT NUMBER:	Project No. 2024-017 / DSA #03-123950		
TO:	<b>RJ Stump</b> EMAIL: <a href="mailto:rj.stump@fillmoreusd.org">rj.stump@fillmoreusd.org</a> <b>Fillmore Unified School Dist.</b>  <b>Roy Frey</b> <b>WestGroup Designs</b> <a href="mailto:royf@westgroupdesigns.com">royf@westgroupdesigns.com</a>		
DATE:	February 19, 2025		
FROM:	Icon West, Inc. 520 S. La Fayette Park Pl, Suite 503 Los Angeles, CA 90057	EMAIL:	<a href="mailto:felix@icon-west.com">felix@icon-west.com</a>
DOCUMENT/DIVISION NUMBER:	Icon West RFI #13, Sec 05 12 13 (Base Bid)	DRAWING NUMBER:	A0-3.1 (Base Bid)

REQUESTED CLARIFICATION: #38

As a follow-up to our pre-bid RFI #13, we would like to ask that the Structural Engineer allow LA Certified Fabricators to provide AESS Steel at the gate entry / gantry. Steel Mockups and Project experience can be submitted by the LA Certified Fabricator to alleviate any concerns regarding the quality of the AESS work. Please confirm.

No exception taken.

02.24.2025 Westgroup Designs

PRE-BID CLARIFICATION FORM

PROJECT NAME:		FILLMORE HIGH SCHOOL NEW ATHLETIC COMPLEX	
PROJECT NUMBER:		Project No. 2024-017 / DSA #03-123950	
TO:		<b>RJ Stump</b> EMAIL: <a href="mailto:rj.stump@fillmoreusd.org">rj.stump@fillmoreusd.org</a> <b>Fillmore Unified School Dist.</b>  <b>Roy Frey</b> <b>WestGroup Designs</b> <a href="mailto:royf@westgroupdesigns.com">royf@westgroupdesigns.com</a>	
DATE:	02-18-25		
FROM:	McGillivray Construction, Inc.	EMAIL:	<a href="mailto:elizabeth@mcgillivrayconstruction.com">elizabeth@mcgillivrayconstruction.com</a>
DOCUMENT/DIVISION NUMBER:	07 21 00	DRAWING NUMBER:	

REQUESTED CLARIFICATION:

**Please circle all applicable bid packages below, that this RFI pertains to:**

**Base bid**

**Alt #1**

**Alt #2**

1. The plans call for R-19 insulation. The specification calls for it to be mineral fiber board R-19. Please confirm this is the correct intent at ALL Exterior metal stud walls. Please note this rigid mineral fiber board is very expensive.
2. The specification also calls for Perimeter Fire Containment Systems. The plans do not call for this system. Please confirm the Perimeter Fire Containment Systems does not apply to this project .
3. The plans call for acoustical batt insulation at the interior partitions. There is no spec for batt insulation. Please provide a spec

PRE-BID CLARIFICATION FORM

RESPONSE TO CLARIFICATION:

1. Disregard previous spec section. See revised spec section with proposed insulation product. All exterior walls are intended to be insulated.
2. Confirmed, Perimeter fire containment system does not apply to this project.
3. Interior acoustical batt is called out in specification 09 29 00 - gypsum board assemblies. Reference section 2.02 A.

Attach additional numbered sheets as necessary; however, only one (1) request shall be contained on each submitted form.

**SECTION 07 21 00  
THERMAL INSULATION**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A. Batt insulation in exterior wall and Soffit construction.

**1.02 RELATED REQUIREMENTS**

- A. Section 05 40 00 - Cold-Formed Metal Framing
- B. Section 07 54 19 - PVC Roofing: Polyisocyanurate Roof Insulation
- C. Section 09 29 00: Acoustic insulation inside interior walls and partitions.

**1.03 REFERENCE STANDARDS**

- A. ASTM C665 - Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing; 2017.
- B. ASTM E136 - Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750°C; 2019a.

**1.04 SUBMITTALS**

- A. See Section 01 33 00 - Submittals, for submittal procedures.
- B. Product Data: Provide data on product characteristics, performance criteria, and product limitations.
- C. Manufacturer's Installation Instructions: Include information on special environmental conditions required for installation and installation techniques.

**1.05 FIELD CONDITIONS**

- A. Do not install insulation when weather conditions are detrimental to successful installation.

**PART 2 PRODUCTS**

**2.01 APPLICATIONS**

- A. Insulation in Metal Framed Walls: R-19 Batt insulation with integral vapor retarder.

**2.02 BATT INSULATION MATERIALS**

- A. Glass Fiber Batt Insulation: Flexible preformed batt or blanket, complying with ASTM C665; friction fit.
  - 1. Combustibility: Non-combustible, when tested in accordance with ASTM E136, except for facing, if any.
  - 2. Facing: Aluminum foil, flame spread 25 rated; one side.
  - 3. Manufacturers:
    - a. CertainTeed Corporation: [www.certainteed.com](http://www.certainteed.com).
    - b. Johns Manville: [www.jm.com](http://www.jm.com).
    - c. Owens Corning Corporation: [www.ocbuildingspec.com](http://www.ocbuildingspec.com).

**PART 3 EXECUTION**

**3.01 EXAMINATION**

- A. Verify that substrate, adjacent materials, and insulation materials are dry and that substrates are ready to receive insulation.

**3.02 BATT INSTALLATION**

- A. Install insulation in accordance with manufacturer's instructions.
- B. Install in exterior wall and soffit spaces without gaps or voids. Do not compress insulation.
- C. Trim insulation neatly to fit spaces. Insulate miscellaneous gaps and voids.

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- D. Fit insulation tightly in cavities and tightly to exterior side of mechanical and electrical services within the plane of the insulation.

**3.03 FIELD QUALITY CONTROL**

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.

**3.04 PROTECTION**

- A. Do not permit installed insulation to be damaged prior to its concealment.

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PRE-BID CLARIFICATION FORM

PROJECT NAME:		FILLMORE HIGH SCHOOL NEW ATHLETIC COMPLEX	
PROJECT NUMBER:		Project No. 2024-017 / DSA #03-123950	
TO:		<b>RJ Stump</b> EMAIL: <a href="mailto:rj.stump@fillmoreusd.org">rj.stump@fillmoreusd.org</a> <b>Fillmore Unified School Dist.</b>  <b>Roy Frey</b> <b>WestGroup Designs</b> <a href="mailto:royf@westgroupdesigns.com">royf@westgroupdesigns.com</a>	
DATE:	01-30-2025		
FROM:	Jonathan Reyes Reycon Construction, Inc.	EMAIL:	jonathan@reyes-reycon.com
DOCUMENT/DIVISION NUMBER:	Division 4 Specs	DRAWING NUMBER:	Arch & Struc. drawings

REQUESTED CLARIFICATION:

**Please circle all applicable bid packages below, that this RFI pertains to:**

**Base bid**

**Alt #1**

**Alt #2**

The Trash Enclosure, shown on sheet No. A0-3.1 does not indicate the type of texture or color of the CMU. Please advise.

Sheet Nos. A4-1.1, A4-1.2 & S1-4.1 do not show masonry control joints, location nor design. Please advise.

1. Trash enclosure CMU type and texture called out on revised sheet. See revised spec section for unit masonry. See attached A3/A0-3.1 for trash enclosure CMU color and texture.

2. Masonry control joints not required per structural.

Westgroup Designs Response 02/25/2025

**SECTION 04 20 00  
UNIT MASONRY**

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. Section includes concrete masonry units; reinforcement, anchorage, and accessories.

**1.02 REFERENCES**

- A. American Concrete Institute:
1. ACI 530 - Building Code Requirements for Masonry Structures.
  2. ACI 530.1 - Specifications for Masonry Structures.
- B. ASTM International:
1. ASTM A82/A82M - Standard Specification for Steel Wire, Plain, for Concrete Reinforcement.
  2. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
  3. ASTM A307 - Standard Specification for Carbon Steel Bolts and Studs, 60 000 PSI Tensile Strength.
  4. ASTM A580/A580M - Standard Specification for Stainless Steel Wire.
  5. ASTM A615/A615M - Standard Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement.
  6. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
  7. ASTM A951/A951M - Standard Specification for Steel Wire for Masonry Joint Reinforcement.
  8. ASTM B370 - Standard Specification for Copper Sheet and Strip for Building Construction.
  9. ASTM B695 - Standard Specification for Coatings of Zinc Mechanically Deposited on Iron and Steel.
  10. ASTM C140 - Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units.

**1.03 PERFORMANCE REQUIREMENTS**

- A. Concrete Masonry Compressive Strength (fm): 2000 psi typical; determined by strength method.
- B. Concrete Masonry Units: 2000 psi minimum net area compressive strength.

**1.04 SUBMITTALS**

- A. Shop Drawings: Indicate bars sizes, spacings, locations, reinforcement quantities, bending and cutting schedules, supporting and spacing devices for reinforcement, accessories.
- B. Product Data:
- C. Submit data for masonry units and wall ties anchors and other accessories.
- D. Samples: Submit four samples of units to illustrate color, texture and extremes of color range.
- E. Manufacturer's Certificate: Certify products meet or exceed specified requirements.

**1.05 SUSTAINABLE DESIGN SUBMITTALS**

- A. Manufacturer's Certificate: Certify products meet or exceed specified sustainable design requirements.
1. Materials Resources Certificates:
    - a. Certify source and origin for [salvaged] [and] [reused] products.
    - b. Certify recycled material content for recycled content products.
    - c. Certify source for local and regional materials and distance from Project site.

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- d. Certify lumber is harvested from Forest Stewardship Council Certified well managed forest.
- B. Product Cost Data: Submit cost of products to verify compliance with Project sustainable design requirements. Exclude cost of labor and equipment to install products.
  - 1. Provide cost data for the following products:
    - a. Salvaged products.
    - b. Reused products.
    - c. Products with recycled material content.
    - d. Local and regional products.
    - e. Certified wood products.

#### **1.06 QUALITY ASSURANCE**

- A. Perform Work in accordance with ACI 530 and ACI 530.1.
- B. Sustainable Design Requirements:
  - 1. Recycled Content Materials: Furnish materials with recycled content.
  - 2. Regional Materials: Furnish materials extracted, processed, and manufactured within 500 miles (800 km) of Project site including
  - 3. Certified Wood Materials: Furnish wood materials certified in accordance with FSC Guidelines including:
- C. Perform Work in accordance with the State of California's Public Works standard.
- D. Maintain one copy of each document on site.

#### **1.07 QUALIFICATIONS**

- A. Installer: Company specializing in performing Work of this section with minimum three years [documented] experience.

#### **1.08 PRE-INSTALLATION MEETINGS**

- A. Convene minimum one week prior to commencing work of this section.

#### **1.09 ENVIRONMENTAL REQUIREMENTS**

- A. Cold Weather Requirements: In accordance with ACI 530.1 when ambient temperature or temperature of masonry units is less than 40 degrees F.
- B. Hot Weather Requirements: In accordance with ACI 530.1 when ambient temperature is greater than 100 degrees F or ambient temperature is greater than 90 degrees F with wind velocity greater than 8 mph.

#### **1.10 COORDINATION**

- A. Coordinate masonry work with installation of anchors required by other trades.

### **PART 2 PRODUCTS**

#### **2.01 MANUFACTURERS**

- A. Bases of design: Angelus Block Company; <https://www.angelusblock.com/>
- B. Or Approved Equal

#### **2.02 COMPONENTS**

- A. Hollow Load Bearing Concrete Masonry Units (CMU): ASTM C90; medium weight.
- B. Concrete Masonry Unit Size and Shape:
  - 1. Size and Shape: Nominal modular size as indicated on the structural drawings.
  - 2. Type: As indicated on drawings
  - 3. Colors: As indicated on drawings
  - 4. Weight: Medium

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### 2.03 ACCESSORIES

- A. Reinforcing Steel: ASTM 615/A615M36o ksi yield grade, deformed billet bars, uncoated finish
- B. Weldable Reinforcing Steel: ASTM 706, 60 ksi yield grade, deformed billet bars, uncoated finish.
- C. Anchor Rods: ASTM F1554: Grade 36; complete with washers and heavy hex nuts; sized for minimum 15 inch embedment.
- D. Mortar and Grout: As specified in Section 04 05 03.
- E. Galvanized Steel: ASTM A653/A653M, G90 finish, 24 gage core steel.
- F. Coping Flashing: Stainless steel, soft temper; 0.015 inch thick, Copper, cold rolled; 16 oz/sq ft; smooth finish; formed with ribs 3 inches on center for integral mortar bond.
- G. Preformed Control Joints: Neoprene material. Furnish with corner and tee accessories, cement fused joints.
- H. Joint Filler: Closed cell polyethylene polyurethane oversized 50 percent to joint width; self expanding.
- I. Building Paper: ASTM D226; Type I, No. 15 unperforated asphalt felt.
- J. Nailing Strips: Softwood, preservative treated for moisture resistance, dovetail shape, sized to masonry joints.
- K. Weeps: Open head joints.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verify field conditions are acceptable and are ready to receive work.
- B. Verify items provided by other sections of work are properly sized and located.
- C. Verify built-in items are in proper location, and ready for roughing into masonry work.

#### 3.02 PREPARATION

- A. Direct and coordinate placement of metal anchors supplied to other Sections.
- B. Furnish temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent support.

#### 3.03 INSTALLATION

- A. Establish lines, levels, and coursing indicated. Protect from displacement.
- B. Maintain masonry courses to uniform dimension. Form bed and head joints of uniform thickness.
- C. Coursing of Concrete Masonry Units:
  - 1. Bond: Typical CMU walls are constructed with running bonds. CMU walls constructed with stack bonds are specified in structural and architectural drawings.
  - 2. Coursing: One unit and one mortar joint to equal 8 inches.
  - 3. Mortar Joints: Flush.
- D. Placing and Bonding:
  - 1. Lay hollow masonry units with face shell bedding on head and bed joints.
  - 2. Buttering corners of joints or excessive furrowing of mortar joints are not permitted.
  - 3. Remove excess mortar as Work progresses.
  - 4. Interlock intersections and external corners.
  - 5. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment is required, remove mortar and replace.
  - 6. Perform job site cutting of masonry units with proper tools to assure straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.

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7. Cut mortar joints flush where bitumen dampproofing is applied.
  8. Isolate masonry from vertical structural framing members with movement joint [as indicated on Drawings].
- E. Anchorage:
1. Embed anchors embedded in concrete attached to structural steel members.
- F. Lintels:
1. Reinforce openings as indicated on Drawings.
  2. Do not splice reinforcing bars.
  3. Support and secure reinforcing bars from displacement.
  4. Place and consolidate grout fill without displacing reinforcing.
  5. Allow masonry lintels to attain specified strength before removing temporary supports.
- G. Grouted Components:
1. Lap splices bar diameters required by code.
  2. Support and secure reinforcing bars from displacement.
  3. Place and consolidate grout fill without displacing reinforcing.
- H. Reinforced Masonry:
1. Lay masonry units with cells vertically aligned and clear of mortar and unobstructed.
  2. Place reinforcing, reinforcement bars, and grout as indicated on Drawings.
  3. Support and secure reinforcement from displacement.
  4. Place and consolidate grout fill without displacing reinforcing.
  5. Place grout in accordance with ACI 530.1 Specification for Masonry Structures.
- I. Control and Expansion Joints:
1. Install control [and expansion] joints at the following maximum spacings, unless otherwise indicated on Drawings:
    - a. Exterior Walls: Minimum 24 feet on center and within 24 inches on one side of each interior and exterior corner. See Structural and Architectural Drawings.
  2. Do not continue all horizontal joint reinforcement through control [and expansion] joints.
  3. Form control joint with sheet building paper bond breaker fitted to one side of hollow contour end of block unit. Fill resultant elliptical core with grout fill. Rake joint at exposed unit faces for placement of backer rod and sealant.
- J. Built-In Work:
1. As work progresses, install built-in metal door and glazed frames, fabricated metal frames, window frames, wood nailing strips, fireplace accessories, anchor bolts, plates, and other items to be built-in the work and furnished by other sections.
  2. Install built-in items plumb and level.
  3. Bed anchors of metal door and glazed frames in adjacent mortar joints. Fill frame voids solid with grout or mortar.
  4. Do not build in materials subject to deterioration.
- K. Cutting And Fitting:
1. Cut and fit for chases pipes conduit sleeves, and grounds. Coordinate with other sections of work to provide correct size, shape, and location.
  2. Obtain Architect/Engineer's approval prior to cutting or fitting masonry work not indicated or where appearance or strength of masonry work may be impaired.
- L. Install Work in accordance with the State of California's Public Works standards and DSA IR 21-2 and 21-4.

### 3.04 ERECTION TOLERANCES

- A. Maximum Variation From Alignment of Columns: Pilasters: 1/4 inch.
- B. Maximum Variation From Unit to Adjacent Unit: 1/16 inch.
- C. Maximum Variation from Plane of Wall: 1/4 inch in 10 ft and 1/2 inch in 20 ft or more.

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- D. Maximum Variation from Plumb: 1/4 inch per story non-cumulative; 1/2 inch in two stories or more.
- E. Maximum Variation from Level Coursing: 1/8 inch in 3 ft and 1/4 inch in 10 ft; 1/2 inch in 30 ft.
- F. Maximum Variation of Joint Thickness: 1/8 inch in 3 ft.
- G. Maximum Variation from Cross Sectional Thickness of Walls: 1/4 inch.
- H. Maximum Variation for Steel Reinforcement:
  - 1. Install reinforcement within the tolerances specified in ACI 530.1 for foundation walls.
  - 2. Plus or minus 1/2 inch when distance from centerline of steel to opposite face of masonry is 8 inches or less.
  - 3. Plus or minus 1 inch when distance is between 8 and 24 inches.
  - 4. Plus or minus 1-1/4 inch when distance is greater than 24 inches.
  - 5. Plus or minus 2 inches from location along face of wall.

### 3.05 FIELD QUALITY CONTROL

- A. Concrete Masonry Units: Test each type in accordance with ASTM C140.

### 3.06 CLEANING

- A. Remove excess mortar and mortar smears as work progresses.
- B. Replace defective mortar. Match adjacent work.
- C. Clean soiled surfaces with cleaning solution.
- D. Use non-metallic tools in cleaning operations.

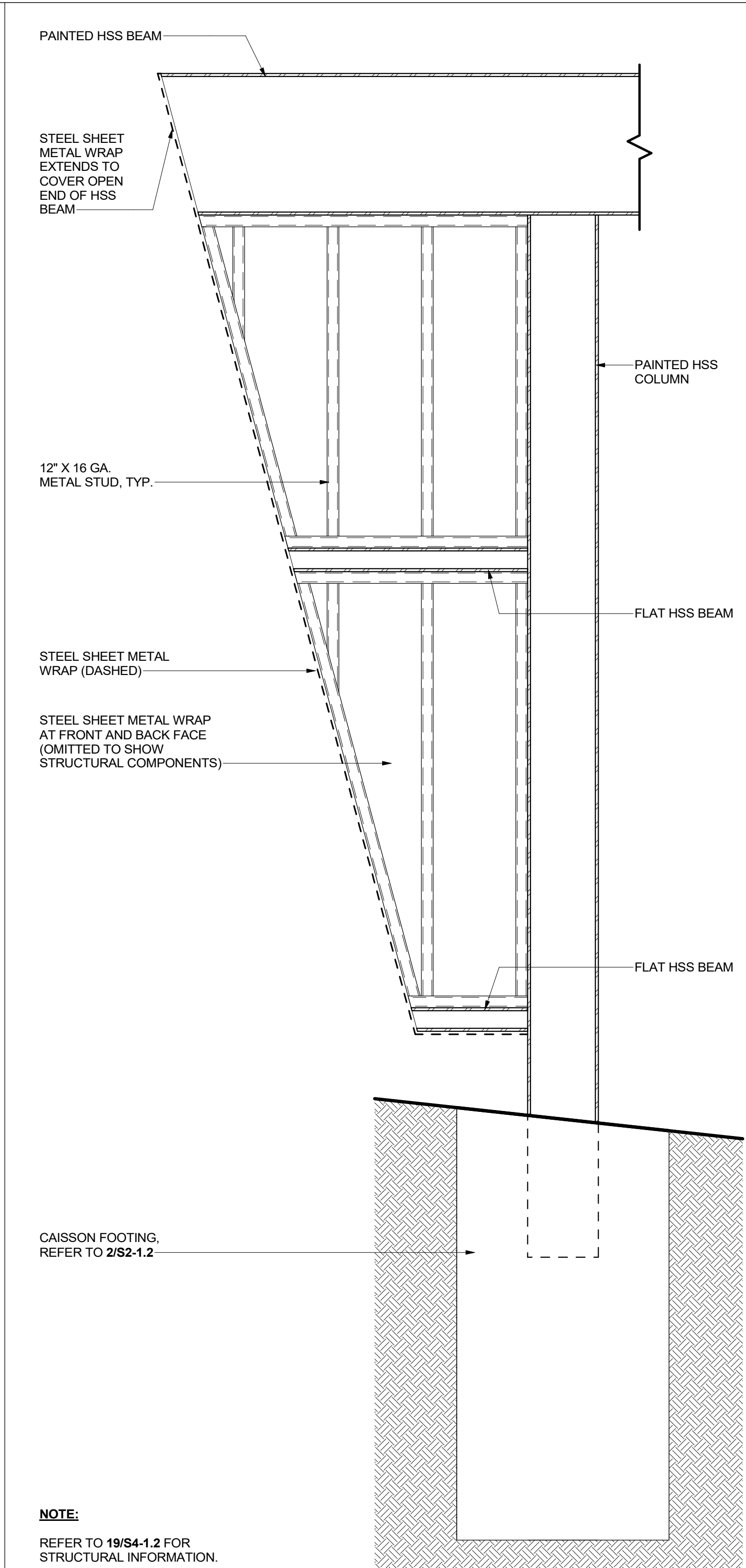
### 3.07 PROTECTION OF FINISHED WORK

- A. Protect exposed external corners subject to damage.
- B. Protect base of walls from mud and mortar splatter.
- C. Protect masonry and other items built into masonry walls from mortar droppings and staining caused by mortar.
- D. Protect tops of masonry work with waterproof coverings secured in place without damaging masonry. Provide coverings where masonry is exposed to weather when work is not in progress.

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FIRE ACCESS FENCE END

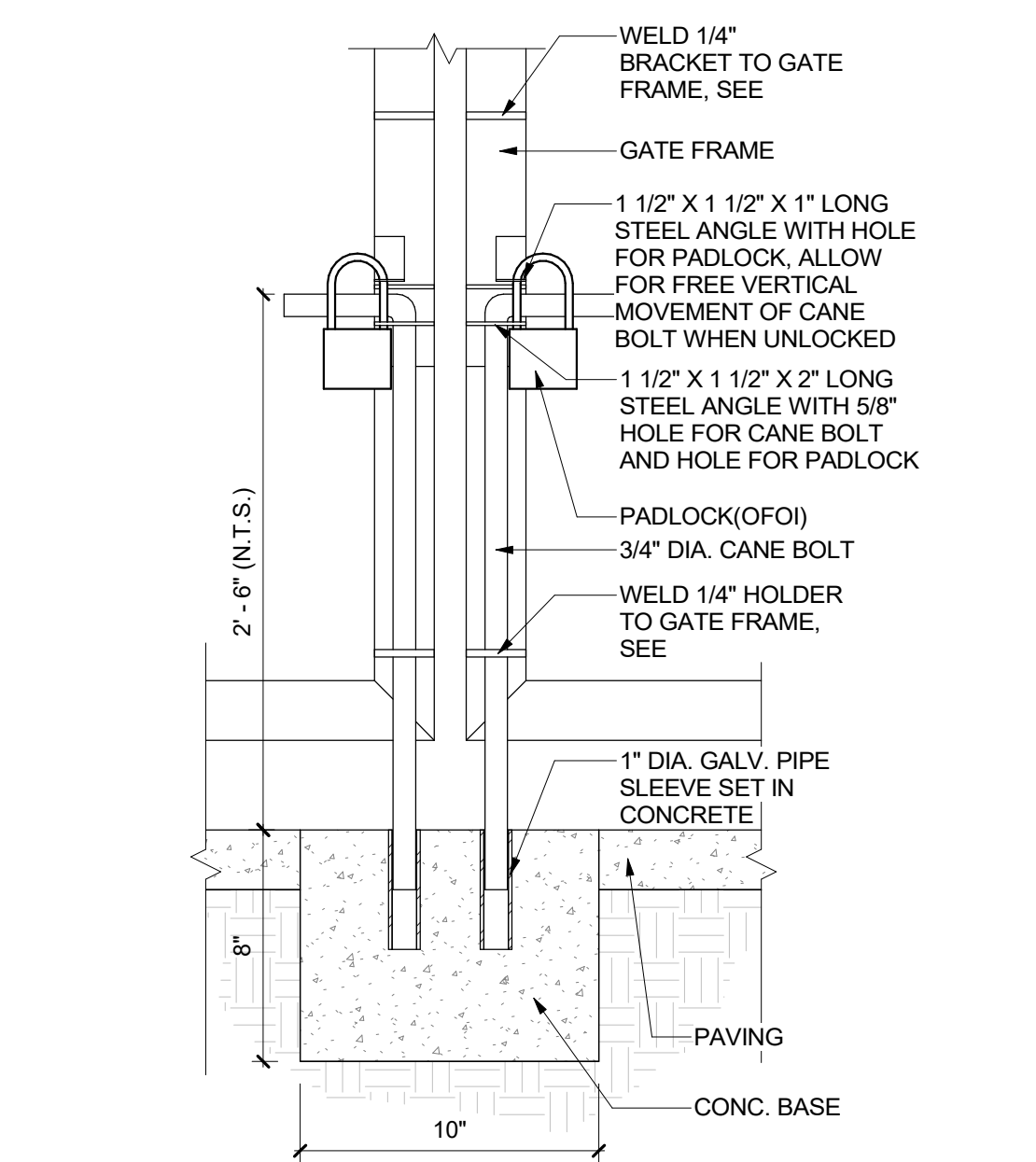
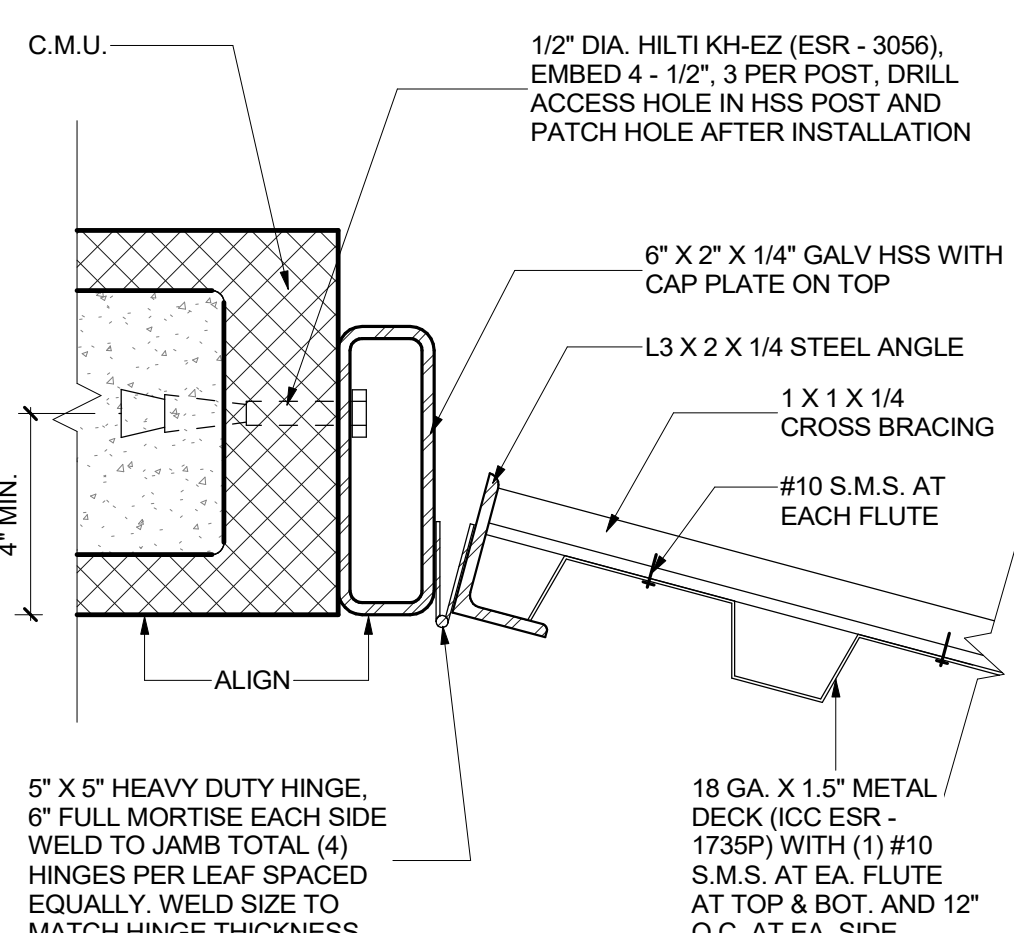
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3/4" = 1'-0"

UTILITY GATE JAMB HINGE SIDE

11

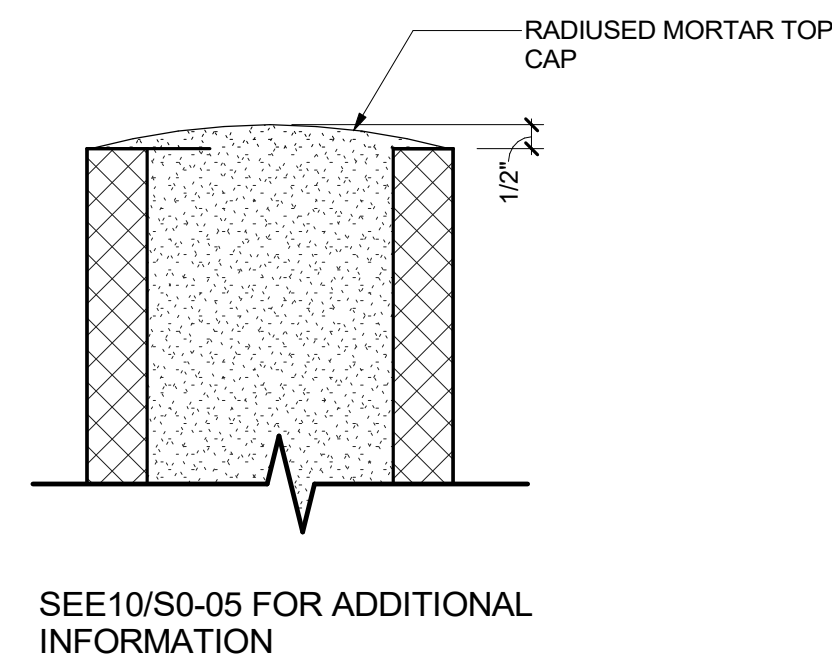
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UTILITY GATE CANE BOLT - DOUBLE GATES

7

1:6



CMU MORTAR CAP

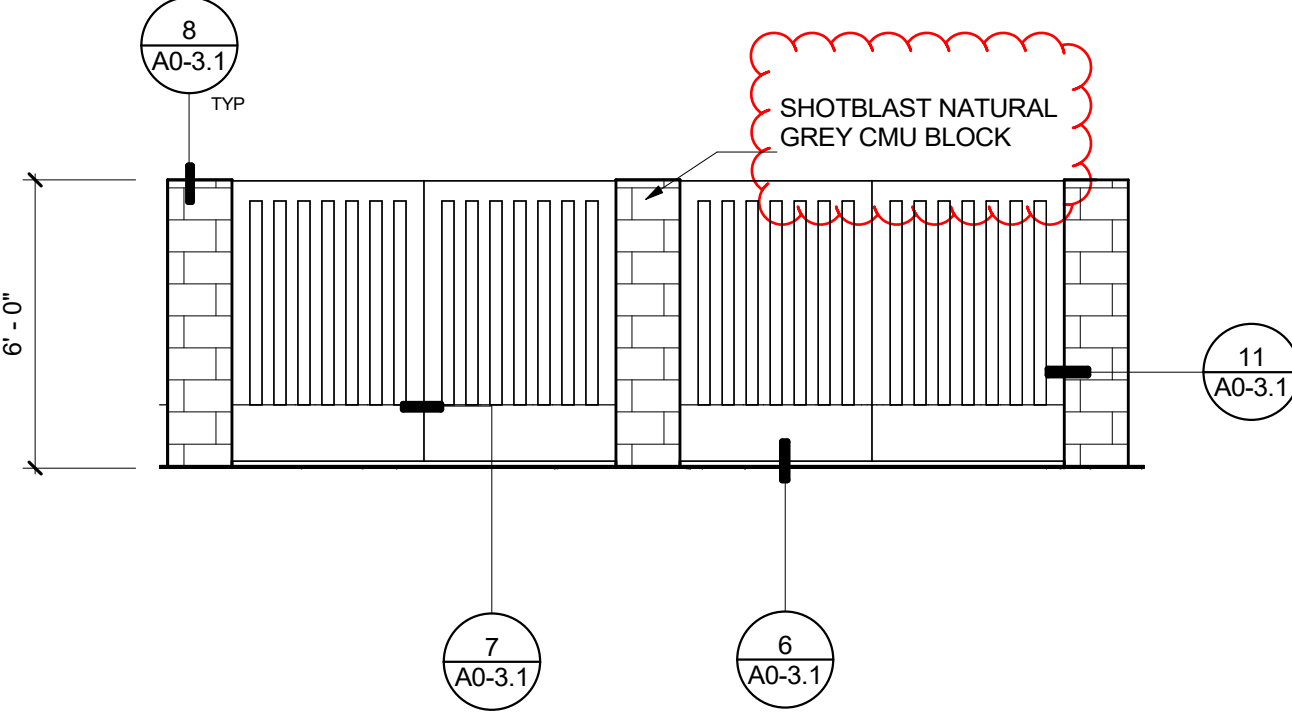
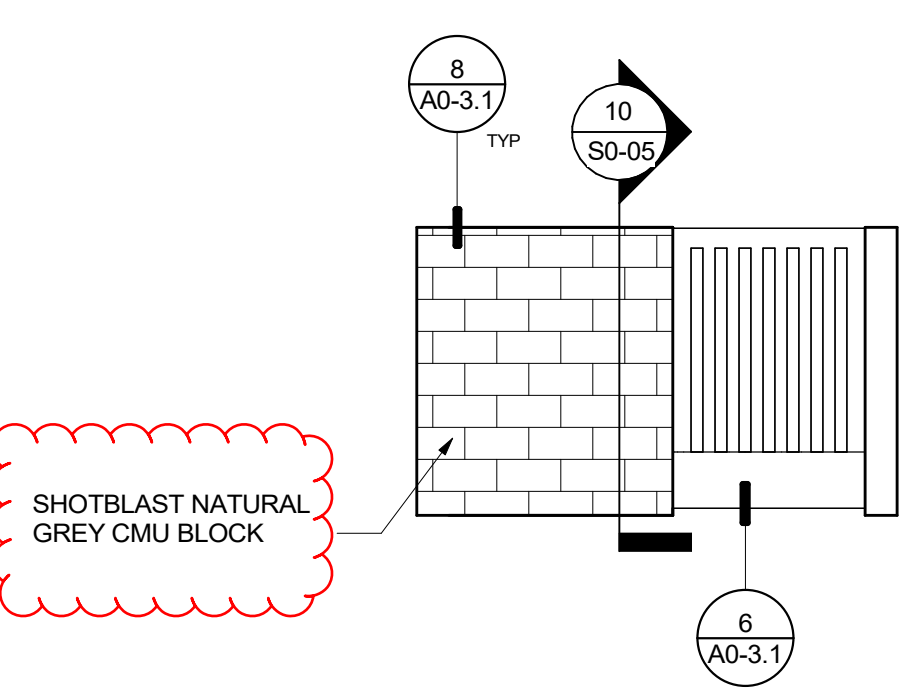
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3" = 1'-0"

TRASH ENCLOSURE SOUTH

4

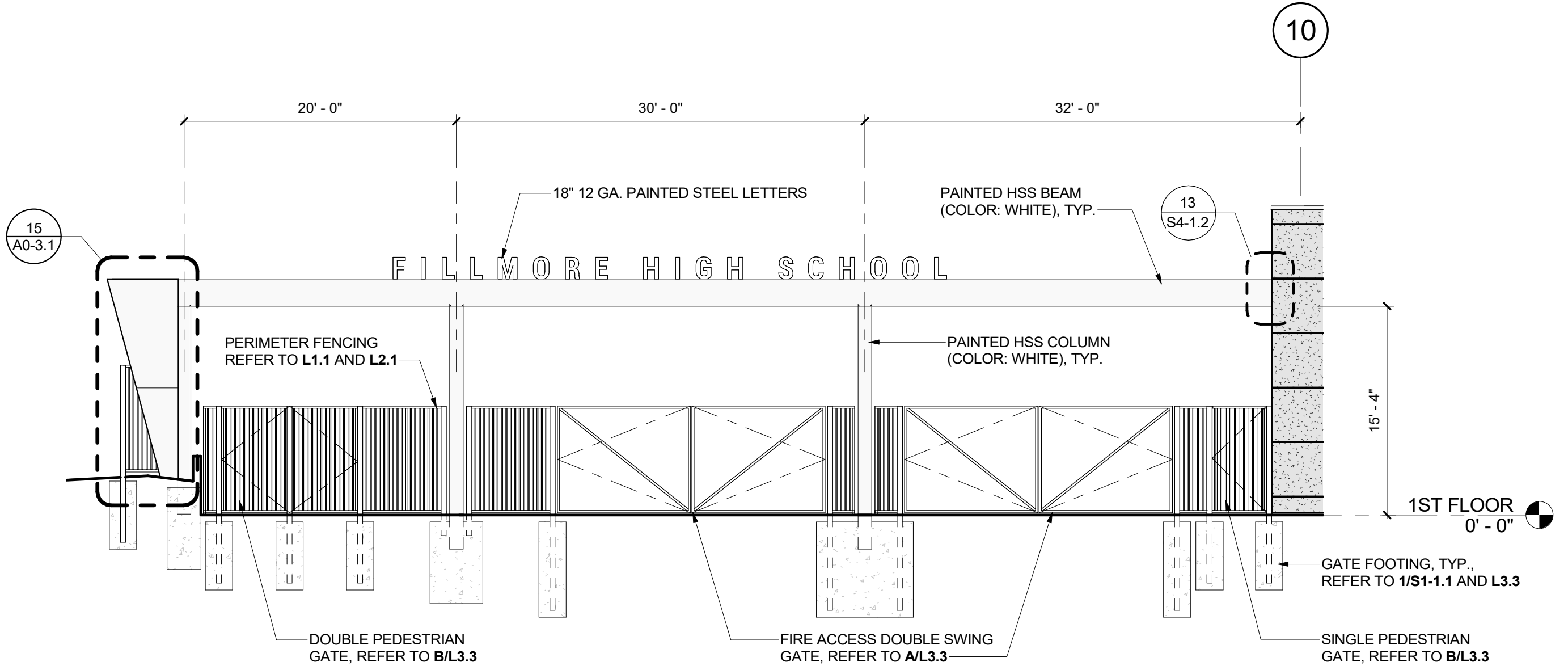
1/4" = 1'-0"



TRASH ENCLOSURE EAST

3

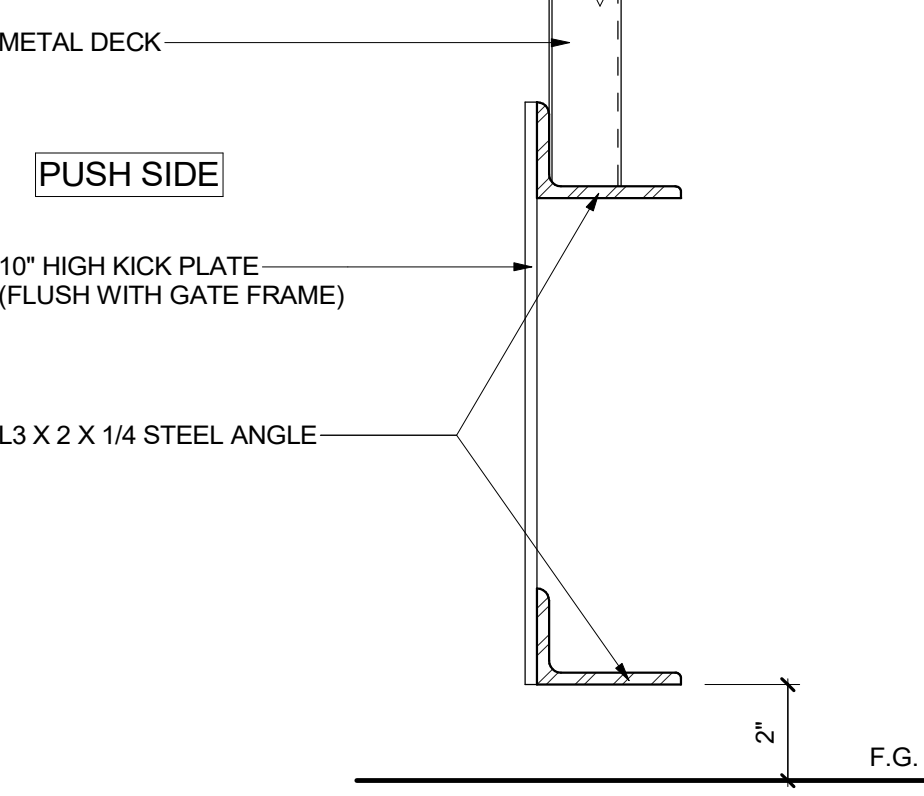
1/4" = 1'-0"



FIRE ACCESS FENCE ELEVATION

10

1/8" = 1'-0"



UTILITY GATE KICK PLATE

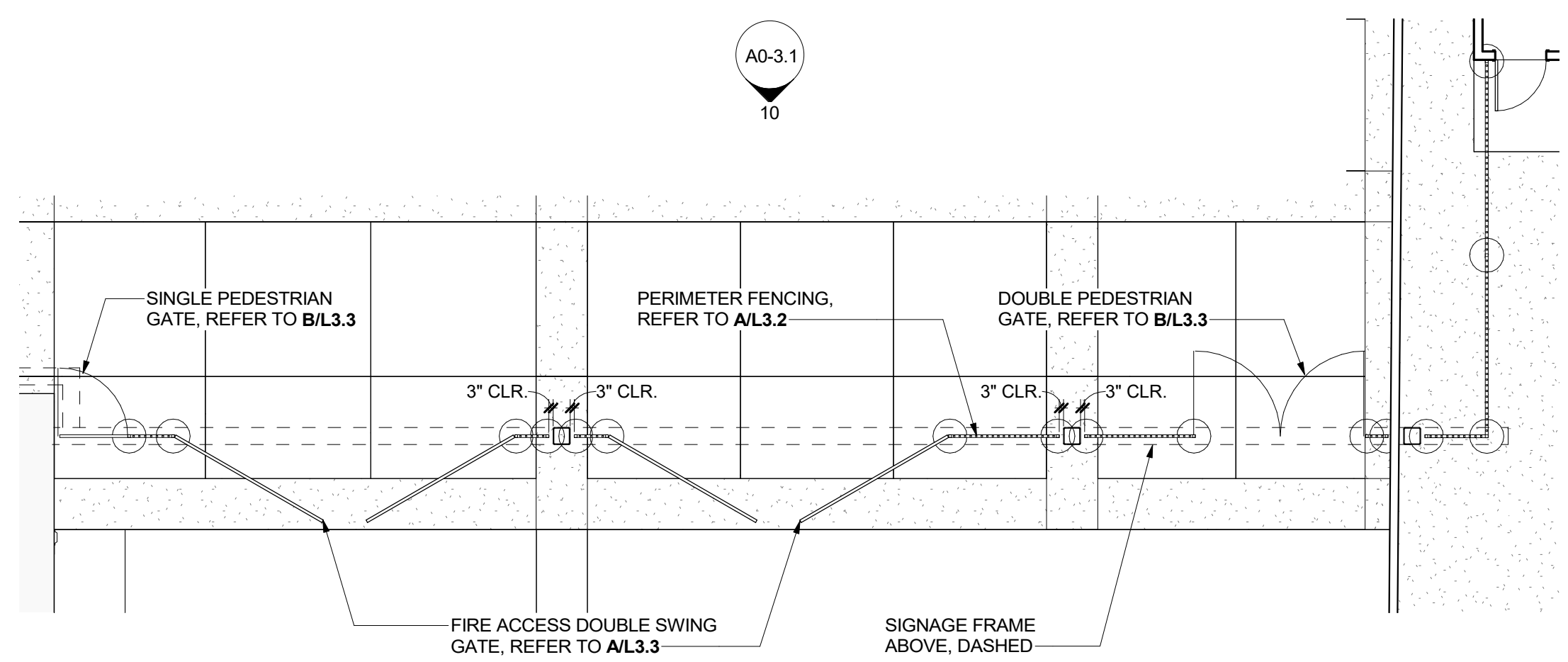
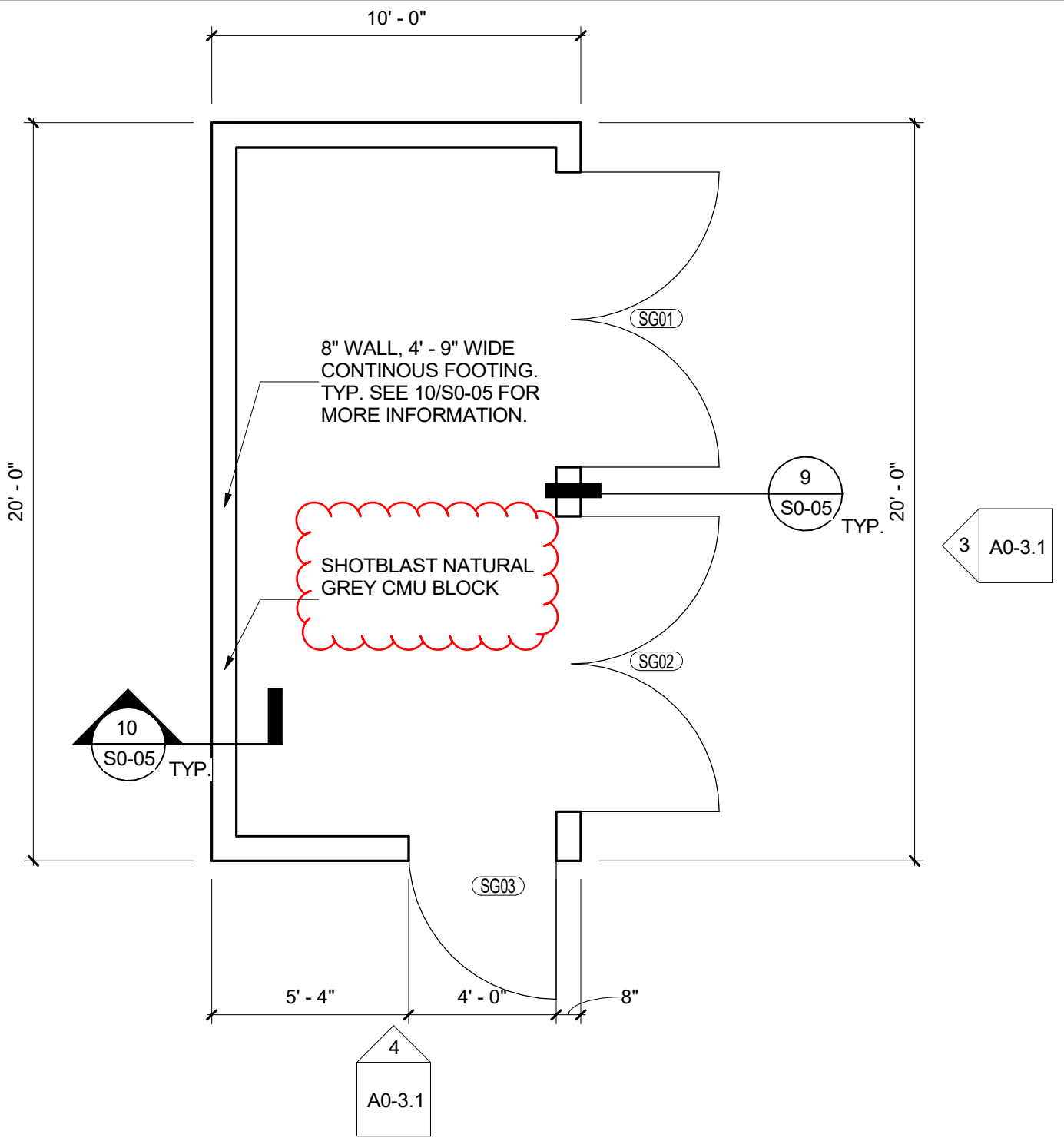
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3" = 1'-0"

ENLARGED TRASH ENCLOSURE

2

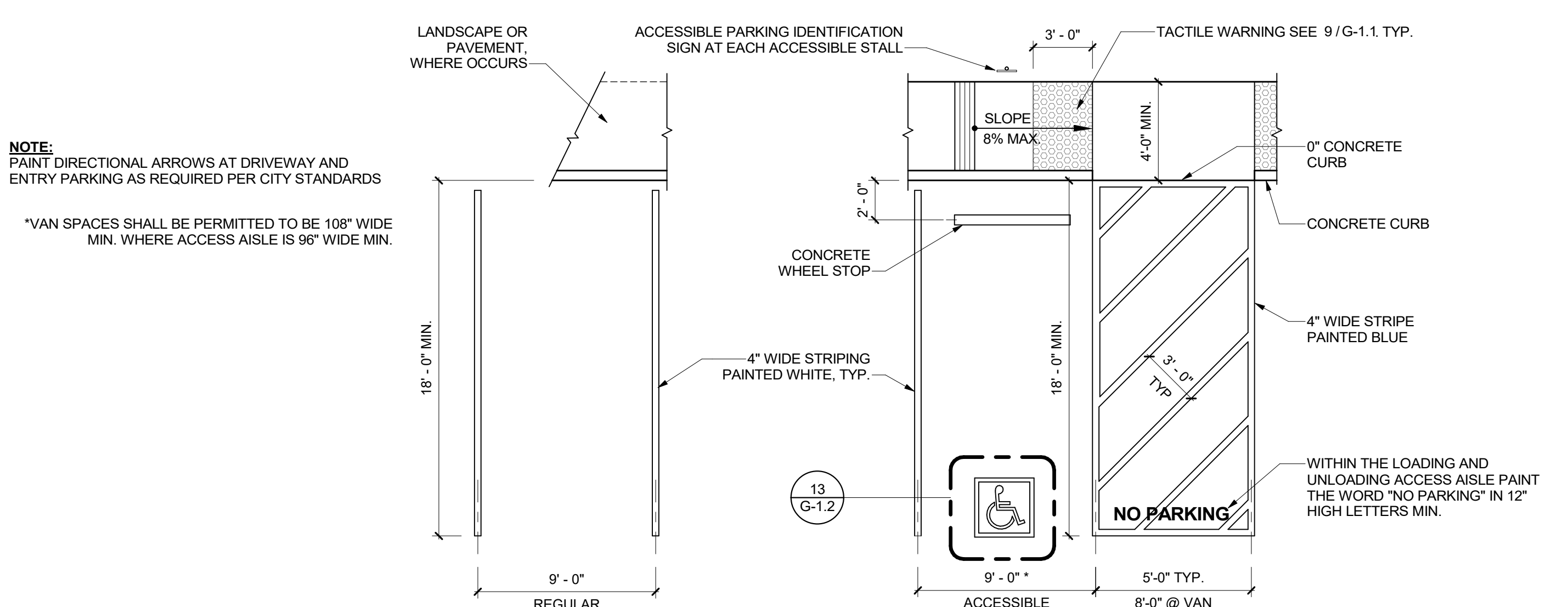
1/4" = 1'-0"



FIRE ACCESS FENCE ENLARGED PLAN

9

1/8" = 1'-0"



PARKING STRIPING REQUIREMENTS

1

3/16" = 1'-0"