

**ADDENDUM NO. 01 – PORTAGE PUBLIC SCHOOLS – HAVERHILL ELEMENTARY SCHOOL BP 5:  
FOOTINGS AND FOUNDATIONS**

June 15<sup>TH</sup>, 2023

The following items are changes, clarifications, corrections of errors, etc., with respect to the Contract Documents previously issued. This addendum shall be a part of the Contract Documents.

Items listed below may or may not affect the cost of the Contractor's Proposal. Changes in cost shall be incorporated in the Contractor's Proposal.

**ITEM No.1**

DRAWING AND SPECIFICATION CHANGES AS NOTED BY TOWER PINKSTER - ATTACHED

- See Tower Pinkster write up
- Drawings: G003, S100, S111, S200, S212, S213, S600, A101, A101A, A101B, A101C, A101D

**ITEM No.2**

PRE-BID MEETING MINUTES – ATTACHED

## ADDENDUM NO. 1 [BP 5]

<b>DATE OF ISSUANCE:</b>	June 15, 2023
<b>PROJECT:</b>	<b>Haverhill Elementary School Bid Package 5: Footings and Foundations</b> 6633 Haverhill Avenue Portage, MI 49024
<b>OWNER:</b>	Portage Public Schools
<b>ARCHITECT'S PROJECT NO.:</b>	21-237.25
<b>ORIGINAL BID ISSUE DATE:</b>	May 25, 2023

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### SCOPE OF WORK

This Addendum includes changes to, or clarifications of, the original Bidding Documents and any previously issued addenda, and shall be included in the Bid. All of these Addendum items form a part of the Contract Documents. The Bidder shall acknowledge receipt of this Addendum in the appropriate space provided on the Bid Form. Failure to do so may result in disqualification of the Bid.

### DOCUMENTS INCLUDED IN THIS ADDENDUM

This Addendum includes **three (3)** pages of text and the following documents:

- Bidding Documents: **None.**
- Contract Conditions: **None.**
- Specification Sections: **None.**
- Drawings: **G003, S100, S111, S200, S212, S213, S600, A101, A101A, A101B, A101C, A101D**

### CHANGES TO PREVIOUSLY ISSUED ADDENDA

None.

### CHANGES TO BIDDING REQUIREMENTS

None.

### CHANGES TO CONTRACT CONDITIONS

None.

## **CHANGES TO SPECIFICATIONS**

None.

## **CHANGES TO DRAWINGS**

### **ADD-1 Item No. D-1 - Drawing Index**

Refer to Sheet(s): G002 [not re-issued]

Added Drawing S213 Gathering Stair Section to drawing index.

### **ADD-1 Item No. D-2 - Wall Widths**

Refer to Sheet(s): G003, A101, A101A, A101B, A101C, A101D

Preliminary architectural first floor plans and interior partition sheet provided for wall widths.

### **ADD-1 Item No. D-3 - Foundation Plan**

Refer to Sheet(s): S100

- Revised screen wall at the external mechanical equipment
- Added concrete piers at the canopy post footings
- Shifted Gathering stairs and supporting footings to match arch
- Clarified wall footing dimensions

### **ADD-1 Item No. D-4 - First Floor CMU Plan**

Refer to Sheet(s): S111 [issued for reference only]

- Revised wall type labels per updated CMU schedule on S600

### **ADD-1 Item No. D-5 - Typical Footing Details**

Refer to Sheet(s): S200

- Clarified screen wall footing dimension

### **ADD-1 Item No. D-6 - Gathering Stair Partial Plan, Sections, and Schedule**

Refer to Sheet(s): S212

- updated footing geometry at gathering stair footings
- Shifted gathering stairs to match arch

6.15.2023

Addendum No. 1 // BP5: Haverhill Elem Footings and Foundations Package // 21-237.25

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**ADD-1 Item No. D-7 - Gathering Stair Sections**

Refer to Sheet(s): S213

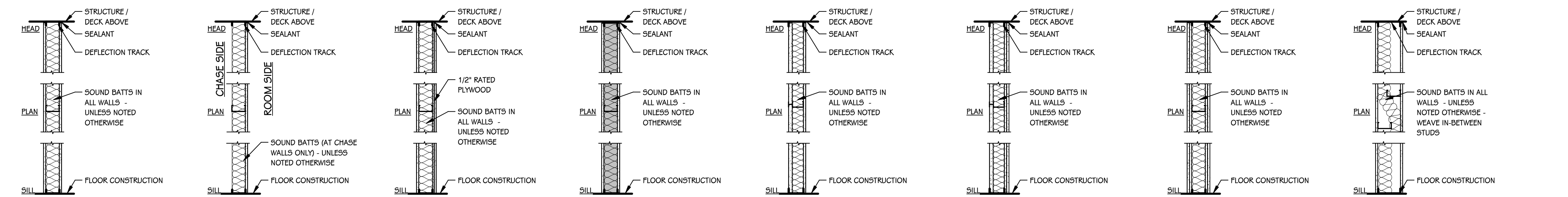
- Sheet added for gathering stair section

**ADD-1 Item No. D-8 - Typical Masonry Wall Details**

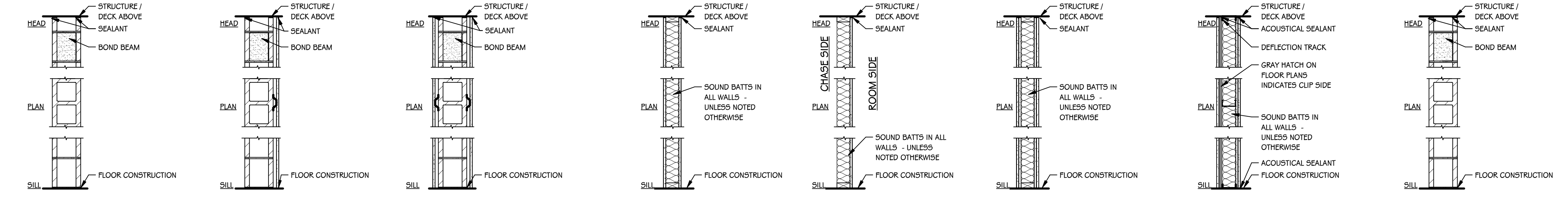
Refer to Sheet(s): S600 [for reference only]

- Clarified CMU wall type and reinforcement schedule

**END OF ADDENDUM.**



**14** METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES; (1 HOUR FIRE) U.L. ASSEMBLY U465 WHERE NOTED ON PLANS  
**15** METAL STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD ON ROOM SIDE - BRACE WALL AT 4'-0" O.C. MAXIMUM.  
**16** METAL STUDS AT 16" O.C. WITH 1/2" RATED PLYWOOD ONE SIDE AND 5/8" GYPSUM BOARD ON BOTH SIDES.  
**17** METAL STUDS AT 16" O.C. WITH 5/8" TYPE "X" GYPSUM BOARD BOTH SIDES TO DECK.  
**18** METAL CH STUDS AT 16" O.C. WITH 5/8" TYPE "X" GYPSUM BOARD ON ROOM SIDE AND 1" TYPE "X" GYPSUM BOARD PANEL ON CHASE SIDE  
**19** METAL CH STUDS AT 16" O.C. WITH (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON ROOM SIDE AND 1" TYPE "X" GYPSUM BOARD PANEL ON CHASE SIDE  
**20** METAL STUDS AT 16" O.C. WITH (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD BOTH SIDES  
**21** 6" TOP AND BOTTOM TRACK WITH 3 5/8" METAL STUD FRAMING AT 16" O.C. (OFFSET) WITH 5/8" GYPSUM BOARD BOTH SIDES



**22** 4" CONCRETE MASONRY UNITS  
**23** 6" CONCRETE MASONRY UNITS  
**24** 8" CONCRETE MASONRY UNITS  
**25** 10" CONCRETE MASONRY UNITS  
**26** 12" CONCRETE MASONRY UNITS  
**27** 4" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD  
**28** 6" CONCRETE MASONRY UNITS METAL FURRING AND 5/8" GYPSUM BOARD  
**29** 8" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD  
**30** 10" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD  
**31** 12" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD  
**32** 4" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES  
**33** 6" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES  
**34** 8" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES  
**35** 10" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES  
**36** 12" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES  
**37** WOOD STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES; (1 HOUR FIRE) U.L. ASSEMBLY U305 WHERE NOTED ON PLANS  
**38** WOOD STUDS AT 16" O.C. WITH 5/8" GYPSUM BOARD ON ROOM SIDE - BRACE WALL AT 4'-0" O.C. MAXIMUM.  
**39** WOOD STUDS AT 16" O.C. WITH (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD BOTH SIDES  
**40** METAL STUDS @ 16" O.C. WITH (1) LAYER 5/8" TYPE "X" GYPSUM BOARD ONE SIDE ATTACHED TO 7/8" HAT CHANNEL AND REGUPO, SONIUS CLIP AND (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ATTACHED TO STUD; WITH 3" SOUND BATTS IN CAVITY.  
**41** 4" DECORATIVE CONCRETE MASONRY UNITS  
**42** 6" DECORATIVE CONCRETE MASONRY UNITS  
**43** 12" DECORATIVE CONCRETE MASONRY UNITS

- GENERAL PARTITION NOTES**
- NOT ALL WALL TYPES MAY BE USED ON PROJECT.
  - REFER TO CODE COMPLIANCE PLANS FOR LOCATIONS OF SMOKE AND FIRE-RATED PARTITIONS.
  - ALL PARTITIONS EXTEND TO BOTTOM OF STRUCTURE, UNLESS NOTED OTHERWISE.
  - LINE OF STRUCTURE/DECK AS SHOWN AT THE HEAD CONDITION OF EACH PARTITION TYPE IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS. TERMINATE RATED PARTITIONS AT UNDERSIDE OF STRUCTURAL DECK TO MAINTAIN RATING. PROVIDE APPROPRIATE FRAMING AND GYPSUM BOARD TO OFFSET AROUND STRUCTURE OR OTHER OBSTRUCTIONS, SUCH AS PIPING OR DUCTWORK.
  - PARTITIONS MAY TERMINATE AT STRUCTURAL MEMBERS WITH A RATING GREATER THAN OR EQUAL THE PARTITION, PROVIDED THAT RATING IS CONTINUOUS TO STRUCTURAL DECK ABOVE.
  - NON-RATED PARTITIONS THAT EXTEND TO STRUCTURE SHALL TERMINATE AT UNDERSIDE OF STRUCTURAL DECK TO MAINTAIN A CONTINUOUS PLANE OF GYPSUM BOARD AS A NOISE, SMOKE OR OTHER TYPE OF BARRIER.
  - ALL PARTITIONS EXTENDING TO STRUCTURE ABOVE SHALL TERMINATE WITH DEFLECTION TRACK - SEE TYPICAL DETAILS ON THIS SHEET.
  - ALL GYPSUM BOARD PARTITIONS NOT EXTENDING TO THE STRUCTURE MUST BE BRACED.
  - U.L. DESIGN NUMBERS REFER TO THE FIRE RESISTANCE DIRECTORY; UNDERWRITERS LABORATORY, LATEST EDITION.
  - MISCELLANEOUS NON-RATED CHASES TO BE 5/8" GYPSUM BOARD ON 3 5/8" METAL STUD FRAMING AT 16" O.C., UNLESS NOTED OTHERWISE.
  - MISCELLANEOUS FURRING AROUND COLUMNS TO BE 5/8" GYPSUM BOARD ON 1 1/2" STUDS, UNLESS NOTED OTHERWISE.
  - FIRE-RATED PARTITIONS TO HAVE FIRE-STOPPING SEALANTS AT HEAD, SILL, JUNCTURE WITH DISSIMILAR MATERIALS, ETC. AND AROUND ALL PENETRATIONS AND OPENINGS.
  - CONSTRUCT ALL PARTITIONS WITH SOUND ATTENUATION BATTS WITH THE FOLLOWING SOUND BATT THICKNESS: 2 1/2" OR LESS METAL STUD - 1 1/2" THICKNESS, 3 5/8" OR LARGER METAL STUD - 3" THICKNESS. UNLESS NOTED OTHERWISE.

**METAL STUD/FURRING, CH STUD AND WOOD STUD KEY**

METAL STUD/FURRING	
DESIGNATION	SIZE
A	GYPSUM BOARD DIRECT APPLIED TO CMU
B	7/8"
C	1 1/2"
D	1 5/8"
E	2 1/2"
F	3 1/2"
G	3 5/8"
H	4"
J	5 1/2"
K	6"
L	6"
M	10"
N	12"
P	(OPEN)
Q	(OPEN)

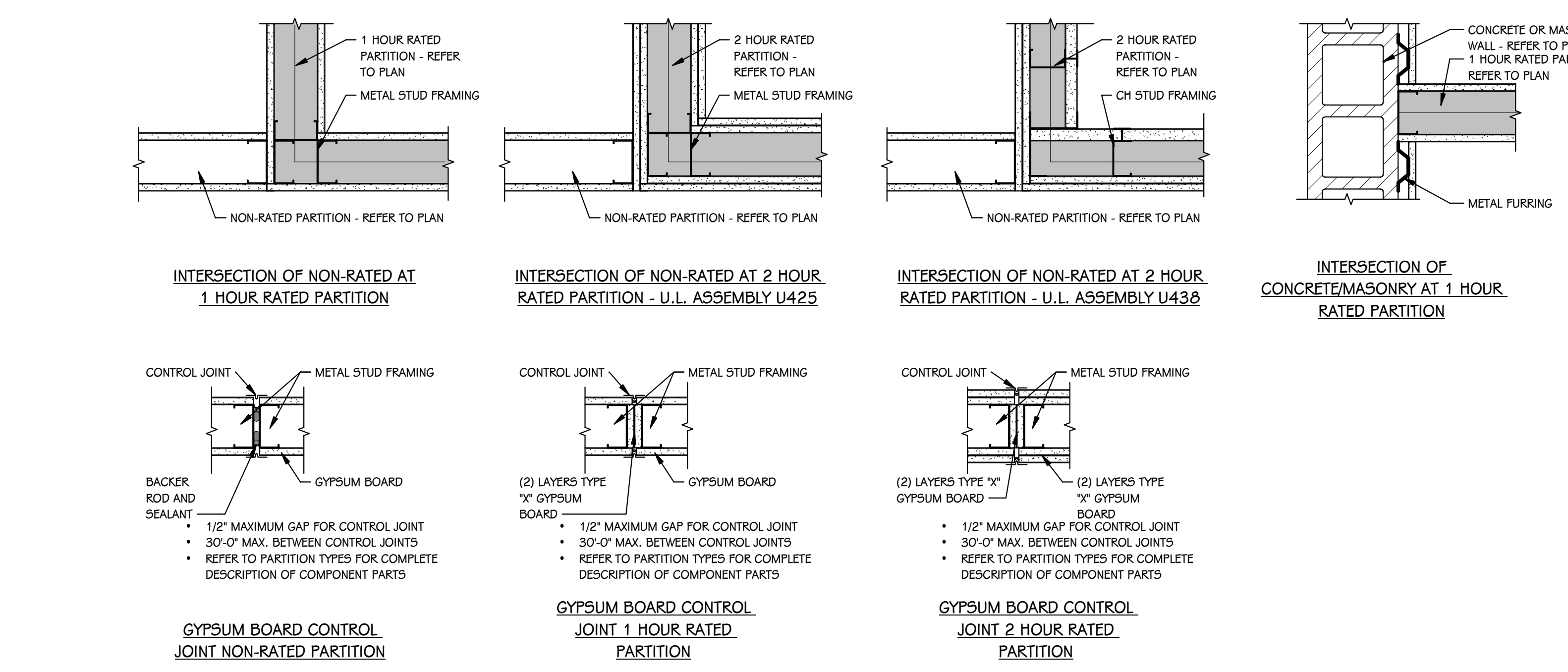
CH STUD	
DESIGNATION	SIZE
R	2 1/2"
S	4"
T	6"

WOOD STUD	
DESIGNATION	SIZE
U	2x4"
V	2x6"
W	2x8"

**PARTITION TYPE TAG (REFER TO FLOOR PLANS)**

PARTITION TYPE NUMBER: [Symbol] METAL STUD, FURRING OR CH STUD FRAMING LETTER  
 [Symbol] FIRE-RATING, IF REQUIRED

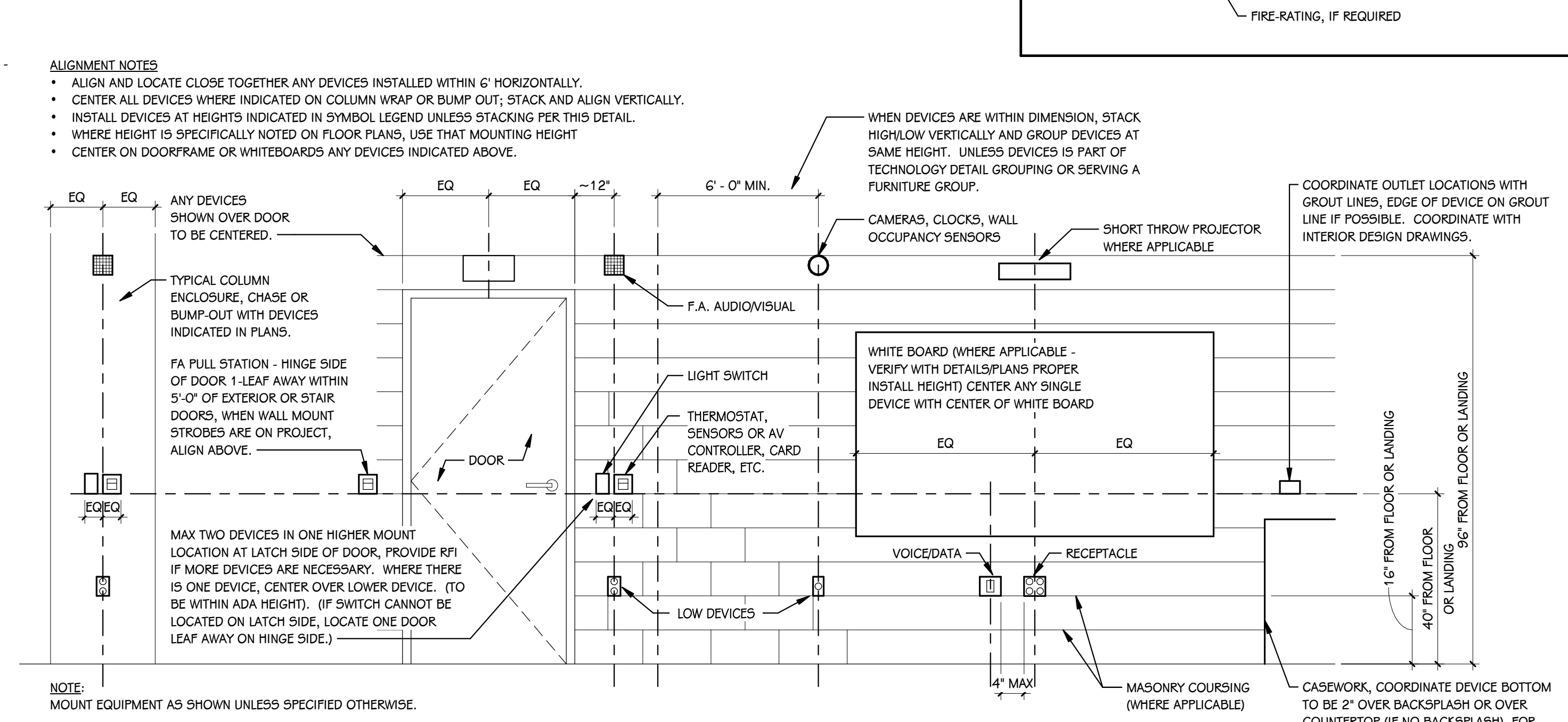


**INTERSECTION OF NON-RATED AT 1 HOUR RATED PARTITION**  
**INTERSECTION OF NON-RATED AT 2 HOUR RATED PARTITION - U.L. ASSEMBLY U425**  
**INTERSECTION OF NON-RATED AT 2 HOUR RATED PARTITION - U.L. ASSEMBLY U438**  
**INTERSECTION OF CONCRETE/MASONRY AT 1 HOUR RATED PARTITION**

**GYPSUM BOARD CONTROL JOINT NON-RATED PARTITION**  
 CONTROL JOINT METAL STUD FRAMING  
 BACKER ROD AND SEALANT  
 1/2" MAXIMUM GAP FOR CONTROL JOINT  
 30'-0" MAX. BETWEEN CONTROL JOINTS  
 REFER TO PARTITION TYPES FOR COMPLETE DESCRIPTION OF COMPONENT PARTS

**GYPSUM BOARD CONTROL JOINT 1 HOUR RATED PARTITION**  
 CONTROL JOINT METAL STUD FRAMING  
 (2) LAYERS TYPE "X" GYPSUM BOARD  
 1/2" MAXIMUM GAP FOR CONTROL JOINT  
 30'-0" MAX. BETWEEN CONTROL JOINTS  
 REFER TO PARTITION TYPES FOR COMPLETE DESCRIPTION OF COMPONENT PARTS

**GYPSUM BOARD CONTROL JOINT 2 HOUR RATED PARTITION**  
 CONTROL JOINT METAL STUD FRAMING  
 (2) LAYERS TYPE "X" GYPSUM BOARD  
 1/2" MAXIMUM GAP FOR CONTROL JOINT  
 30'-0" MAX. BETWEEN CONTROL JOINTS  
 REFER TO PARTITION TYPES FOR COMPLETE DESCRIPTION OF COMPONENT PARTS



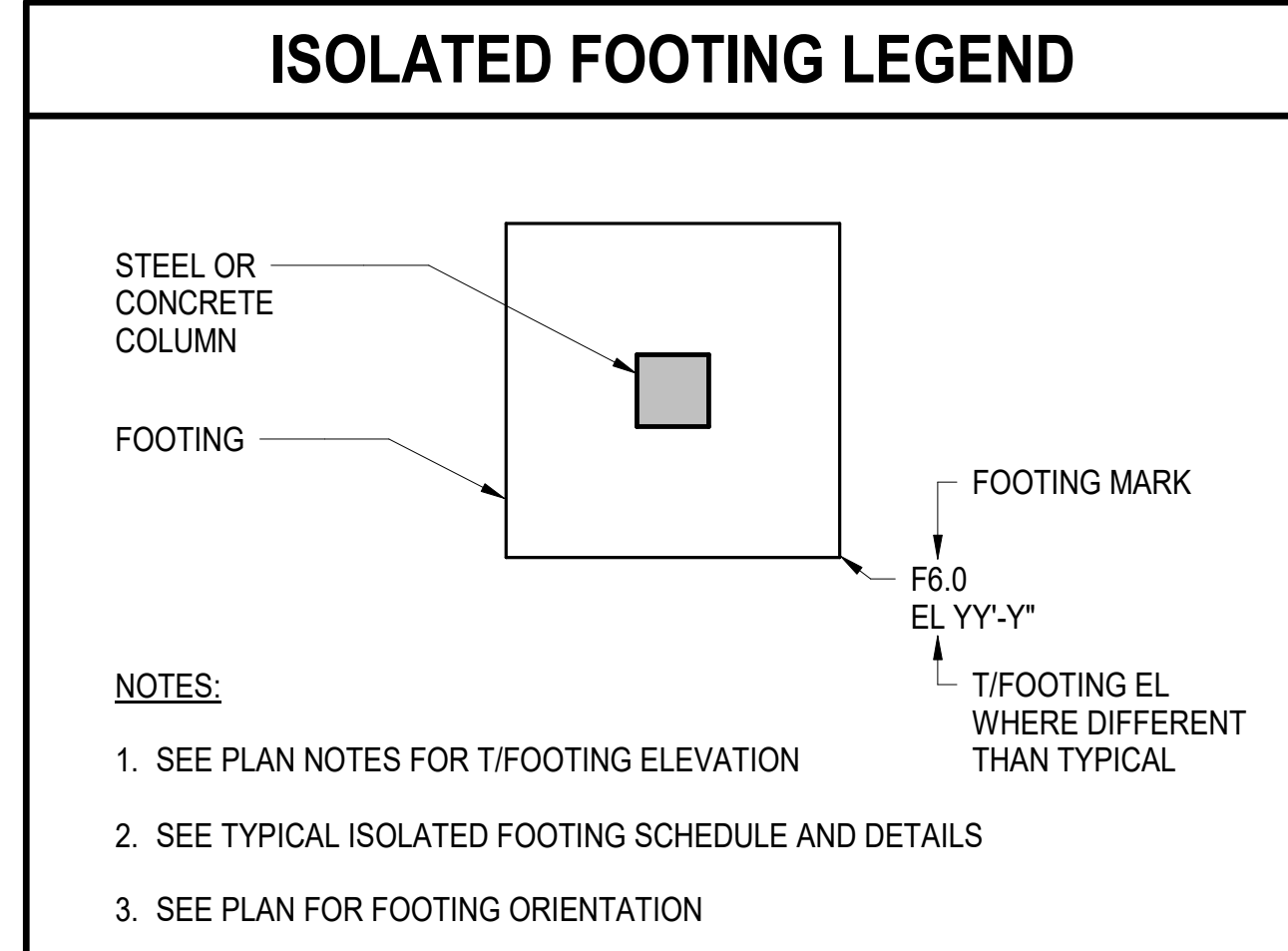
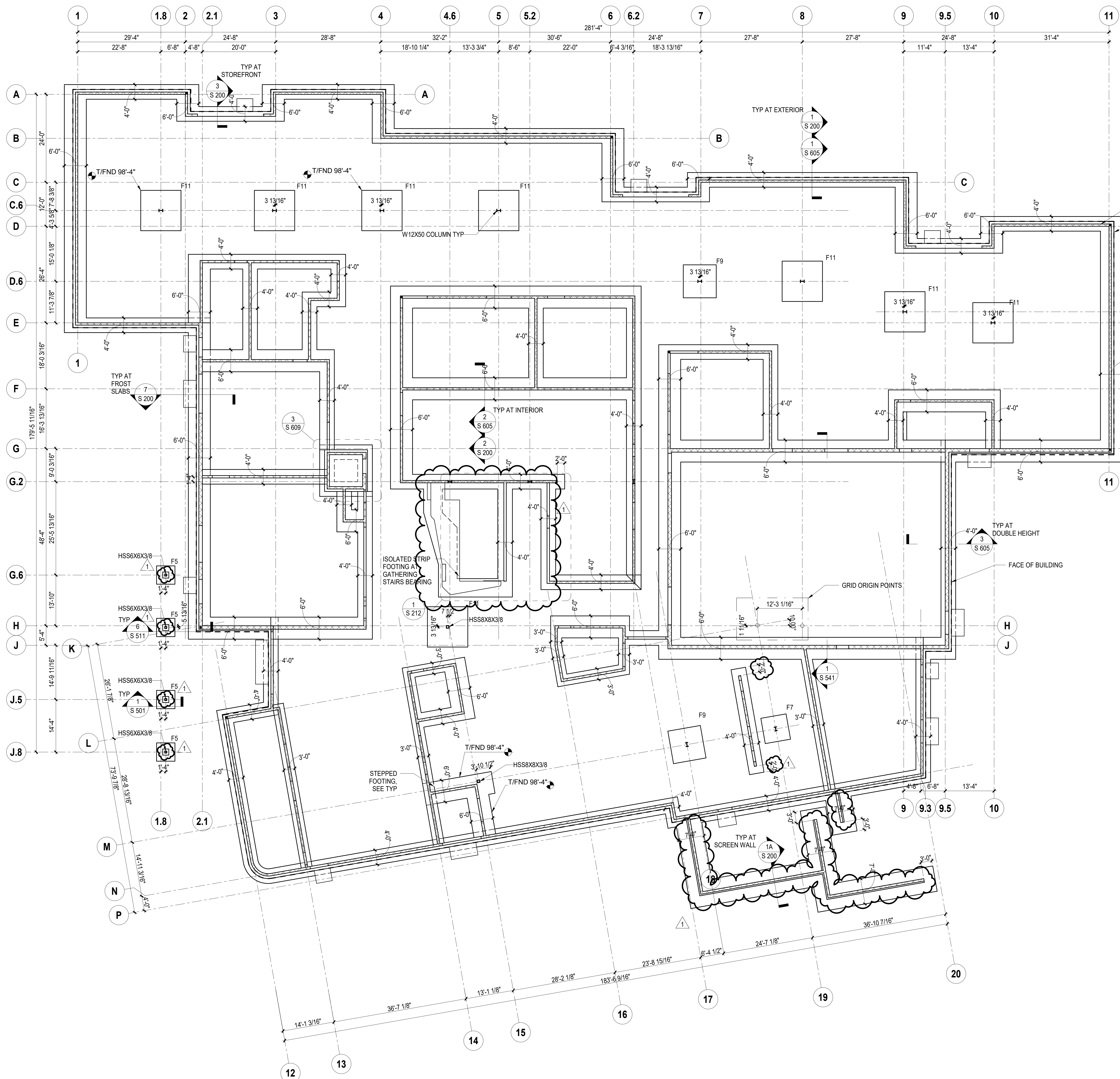
**ALIGNMENT NOTES**

- ALIGN AND LOCATE CLOSE TOGETHER ANY DEVICES INSTALLED WITHIN 6" HORIZONTALLY.
- CENTER ALL DEVICES WHERE INDICATED ON COLUMN WRAP OR BUMP OUT; STACK AND ALIGN VERTICALLY.
- INSTALL DEVICES AT HEIGHTS INDICATED IN SYMBOL LEGEND UNLESS STACKING PER THIS DETAIL.
- WHERE HEIGHT IS SPECIFICALLY NOTED ON FLOOR PLANS, USE THAT MOUNTING HEIGHT.
- CENTER ON DOORFRAME OR WHITEBOARDS ANY DEVICES INDICATED ABOVE.

**DEVICE ALIGNMENT GUIDELINES**  
 NOT TO SCALE

ANY DEVICES SHOWN OVER DOOR TO BE CENTERED.  
 TYPICAL COLUMN ENCLOSURE, CHASE OR BUMP-OUT WITH DEVICES INDICATED IN PLANS.  
 FA FULL STATION - HINGE SIDE OF DOOR - LEAF AWAY WITHIN 5'-0" OF EXTERIOR OR STAIR DOORS, WHEN WALL MOUNT STROBES ARE ON PROJECT, ALIGN ABOVE.  
 MAX TWO DEVICES IN ONE HIGHER MOUNT LOCATION AT LATCH SIDE OF DOOR, PROVIDE RFI IF MORE DEVICES ARE NECESSARY. WHERE THERE IS ONE DEVICE, CENTER OVER LOWER DEVICE. (TO BE WITHIN ADA HEIGHT). (IF SWITCH CANNOT BE LOCATED ON LATCH SIDE, LOCATE ONE DOOR LEAF AWAY ON HINGE SIDE.)  
 WHEN DEVICES ARE WITHIN DIMENSION, STACK HIGH/LOW VERTICALLY AND GROUP DEVICES AT SAME HEIGHT. UNLESS DEVICES IS PART OF TECHNOLOGY DETAIL GROUPING OR SERVING A FURNITURE GROUP.  
 CAMERAS, CLOCKS, WALL OCCUPANCY SENSORS  
 SHORT THROW PROJECTOR WHERE APPLICABLE  
 F.A. AUDIOVISUAL  
 LIGHT SWITCH  
 THERMOSTAT, SENSORS OR AV CONTROLLER, CARD READER, ETC.  
 WHITE BOARD (WHERE APPLICABLE - VERIFY WITH DETAILS/PLANS PROPER INSTALL HEIGHT) CENTER ANY SINGLE DEVICE WITH CENTER OF WHITE BOARD  
 VOICEDATA  
 RECEPTACLE  
 LOW DEVICES  
 MASONRY COURSING (WHERE APPLICABLE)  
 CASEWORK, COORDINATE DEVICE BOTTOM TO BE 2" OVER BACKSPASH OR OVER COUNTERTOP (IF NO BACKSPASH). FOR LARGE FORMAT TILE, ALIGN EDGE OF DEVICE WITH HORIZONTAL GROUT LINE CLOSEST TO COUNTERTOP.  
 COORDINATE OUTLET LOCATIONS WITH GROUT LINES, EDGE OF DEVICE ON GROUT LINE IF POSSIBLE. COORDINATE WITH INTERIOR DESIGN DRAWINGS.  
 16" FROM FLOOR OR LANDING  
 40" FROM FLOOR OR LANDING  
 96" FROM FLOOR OR LANDING  
 6'-0" MIN.  
 ~12"



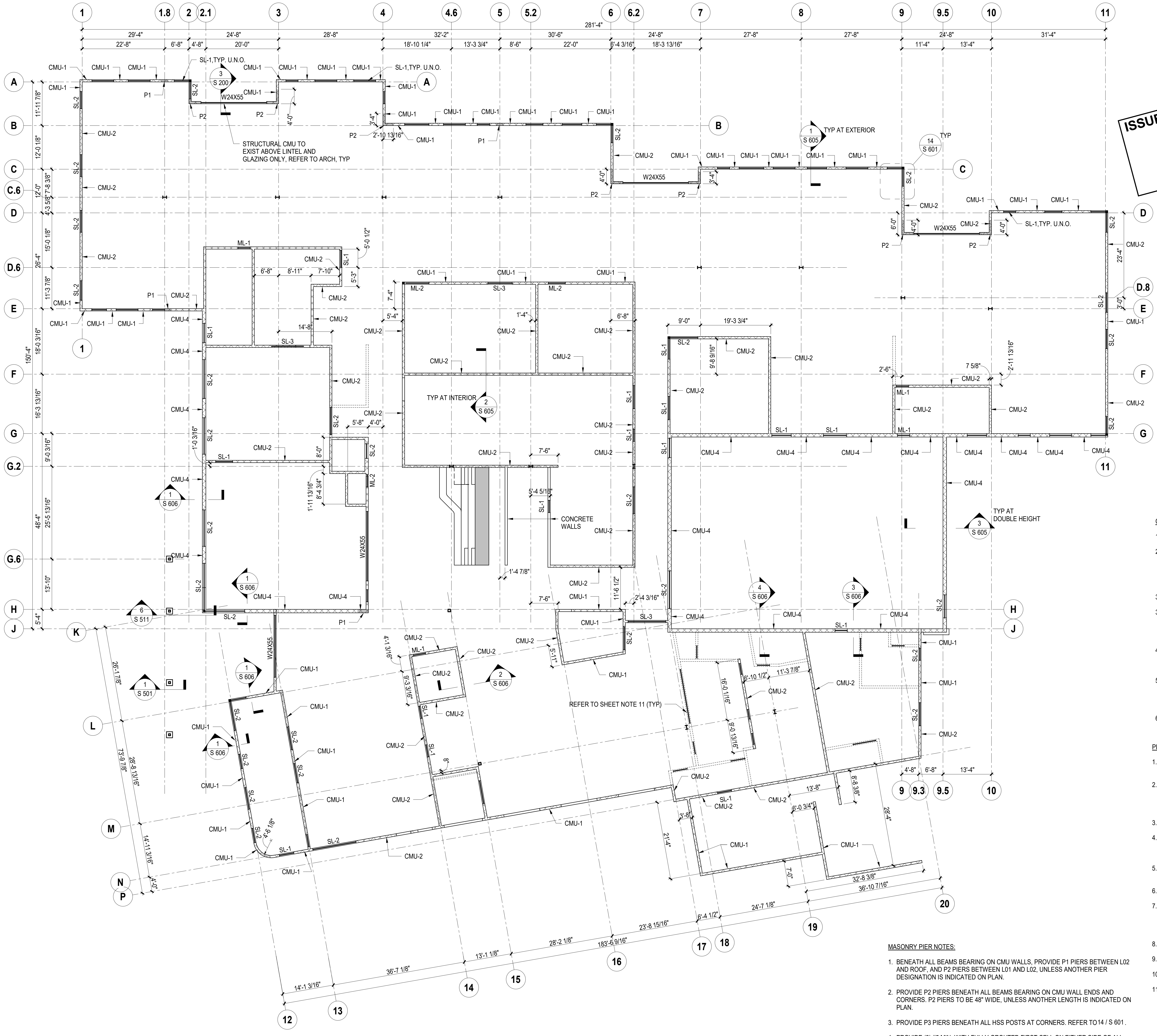


- PLAN NOTES:**
- TOP OF EXTERIOR FOOTING EL 97'-9", UON  
 TOP OF INTERIOR FOOTING EL 98'-8", UON
  - TOP OF CONCRETE FOUNDATION WALL EL 100'-0", UON
  - SEE GENERAL NOTES FOR CONCRETE COMPRESSIVE STRENGTH
  - FOR ADDITIONAL INFORMATION, REFER TO THE FOLLOWING DRAWINGS:  
 DRAWING LIST, GENERAL NOTES, AND LOADING DIAGRAMS S0 SERIES DRAWINGS  
 TYPICAL FOUNDATION DETAILS S2 SERIES DRAWINGS  
 STEEL SUPERSTRUCTURE SCHEDULES AND DETAILS S5 SERIES DRAWINGS  
 MASONRY DETAILS S6 SERIES DRAWINGS
  - REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF NONSTRUCTURAL CMU WALLS AND PARTITIONS. SEE ARCH FOR DOOR, WINDOW, AND OTHER PENETRATIONS. PROVIDE 6 / S 210 AT ALL NONSTRUCTURAL CMU WALL LOCATIONS.
  - ALL CMU WALLS SHOWN IN STRUCTURAL DRAWINGS ARE TO BE CONSIDERED LOAD-BEARING CMU WALLS AS DETAILED IN THE STRUCTURAL DRAWINGS. WALLS NOT INDICATED ON STRUCTURAL DRAWINGS SHALL BE OF THE WALL TYPE SPECIFIED IN THE ARCHITECTURAL DRAWINGS. ANY CMU WALLS SHOWN IN THE ARCHITECTURAL PLANS AND NOT INDICATED IN THE STRUCTURAL DRAWINGS AND SHALL BE DETAILED AS CMU-4 TYPE. NONSTRUCTURAL CMU WALLS ARE NOT PERMITTED ON SECOND LEVEL FRAMING UON ON PLAN. NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS.

**1 FOUNDATION PLAN**  
 3/32" = 1'-0"



**ISSUED FOR REFERENCE OF CMU WALL LOCATIONS ONLY.  
 NOT ISSUED FOR BID OR CONSTRUCTION.**



- CMU WALL LINTELS:**
- SEE ARCHITECTURAL DRAWINGS FOR CMU WALL OPENING DIMENSIONS.
  - ML-xx INDICATES MASONRY LINTEL  
 SL-xx INDICATES STEEL LINTEL  
 # - INDICATES EXTENSION OF LINTEL TO MATCH EXTENT OF OPENING BELOW - SEE DETAIL 4 / S 600
  - ALL LINTELS TO BE SL-1, U.O.N. ON PLAN
  - PROVIDE STEEL BEAM LINTELS AS INDICATED ON THIS DRAWING  
 SL-1 INDICATES W8X10  
 SL-2 INDICATES W16X26  
 SL-3 INDICATES W16X36
  - PROVIDE LINTELS AT ALL WALL OPENINGS AND RECESSES, INCLUDING MECHANICAL OPENINGS AND PENETRATIONS, CABINETS RECESSED INTO THE WALL, ETC.
  - SEE ARCHITECTURAL AND MEP DRAWINGS AND OTHER PROJECT DOCUMENTS FOR ADDITIONAL WALL OPENINGS AND PENETRATIONS NOT SHOWN ON THIS DRAWING. THIS DRAWING DOES NOT SHOW ALL THE OPENINGS THAT ARE REQUIRED.
  - SEE ARCHITECTURAL DRAWINGS FOR BRICK VENEER AND VENEER OPENINGS.

- PLAN NOTES:**
- SEE ARCH FOR CMU WALL DIMENSIONS INCLUDING ENDS OF WALL AND EDGES OF WALL AT CMU OPENINGS.
  - CMU-X INDICATES CMU WALL TYPE.  
 DCMU-X INDICATES DCMU WALL TYPE. REFER TO ARCHITECTURAL DRAWINGS FOR NON-STRUCTURAL DCMU APPLICATION.  
 P-X INDICATES PIER, TYPE PER 8 / S 600
  - WCJ INDICATES WALL CONTROL JOINT. ASSUME WCJ @ 25'-0" MAX.
  - WCJ DIMENSIONS SHOWN ARE NOMINAL. ADJUST AS NECESSARY FOR ACTUAL MASONRY UNIT SIZES BUT NOT MORE THAN 2" AND SO THAT NO REMAINING PIER IS LESS THAN 2'-6" IN WIDTH.
  - WCJ DIMENSIONS FROM OPENING ARE FROM END OF CMU, NOT FROM FACE BRICK
  - ANY WALL SEGMENTS OF 3'-0" OR LESS SHALL BE WALL TYPE CMU-1.
  - WALL ENDS SUPPORTING SPANDRELS SHALL BE WALL TYPE CMU-1 FOR A LENGTH OF 4'-6" FROM END OF WALL. PROVIDE AN ADDITIONAL #5 VERTICAL BAR FULL HEIGHT IN THE CELLS DIRECTLY BELOW THE BEARING OF THE SPANDREL BEAM FRAMING IN.
  - PROVIDE WALL TYPE CMU-2 ABOVE OPENINGS
  - SEE LEVEL ABOVE FOR LOCATION OF WCJ AND MATCH.
  - SEE SHEET S 600 FOR CMU WALL TYPE SCHEDULE
  - ALL CMU WALLS SHOWN IN STRUCTURAL DRAWINGS ARE TO BE CONSIDERED LOAD-BEARING CMU WALLS AS DETAILED IN THE STRUCTURAL DRAWINGS. WALLS NOT INDICATED ON STRUCTURAL DRAWINGS SHALL BE OF THE WALL TYPE SPECIFIED IN THE ARCHITECTURAL DRAWINGS. ANY CMU WALLS SHOWN IN THE ARCHITECTURAL PLANS AND NOT INDICATED IN THE STRUCTURAL DRAWINGS AND SHALL BE DETAILED AS CMU-4 TYPE. NON-LOAD-BEARING CMU WALLS ARE NOT PERMITTED ON SECOND LEVEL FRAMING UPON PLAN. NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN STRUCTURAL AND ARCHITECTURAL DRAWINGS.

- MASONRY PIER NOTES:**
- BENEATH ALL BEAMS BEARING ON CMU WALLS, PROVIDE P1 PIERS BETWEEN L02 AND ROOF, AND P2 PIERS BETWEEN L01 AND L02, UNLESS ANOTHER PIER DESIGNATION IS INDICATED ON PLAN.
  - PROVIDE P2 PIERS BENEATH ALL BEAMS BEARING ON CMU WALL ENDS AND CORNERS. P2 PIERS TO BE 48" WIDE, UNLESS ANOTHER LENGTH IS INDICATED ON PLAN.
  - PROVIDE P3 PIERS BENEATH ALL HSS POSTS AT CORNERS. REFER TO 14 / S 601.
  - PROVIDE (2) #5 MIN. WITH FULLY GROUTED FIRST CELL ON EITHER SIDE OF ALL MASONRY WALL OPENINGS, UNLESS ANOTHER PIER DESIGNATION IS INDICATED ON PLAN.

ADD No. 1 JUN 15, 2023  
 ISSUED FOR DATE

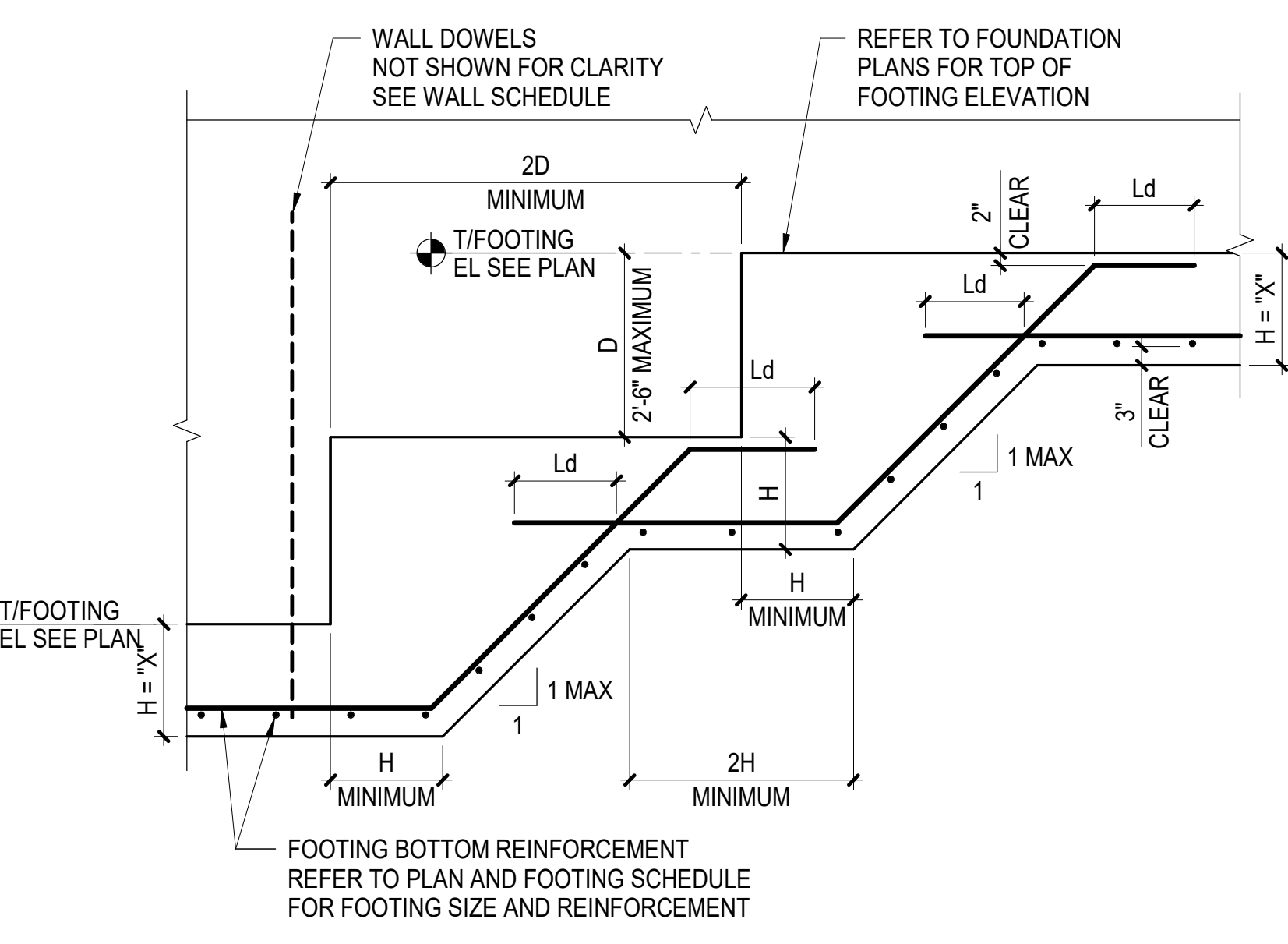
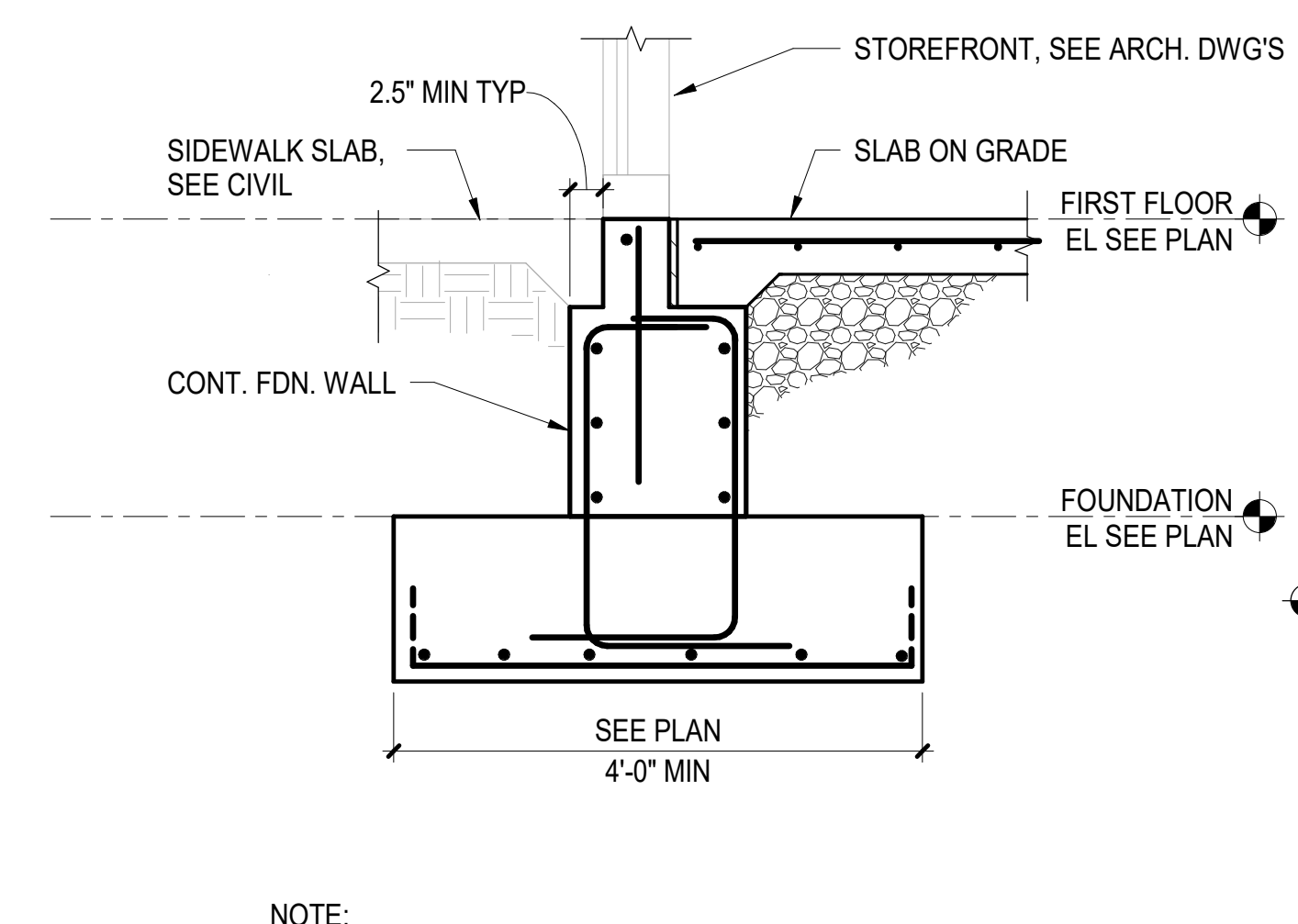
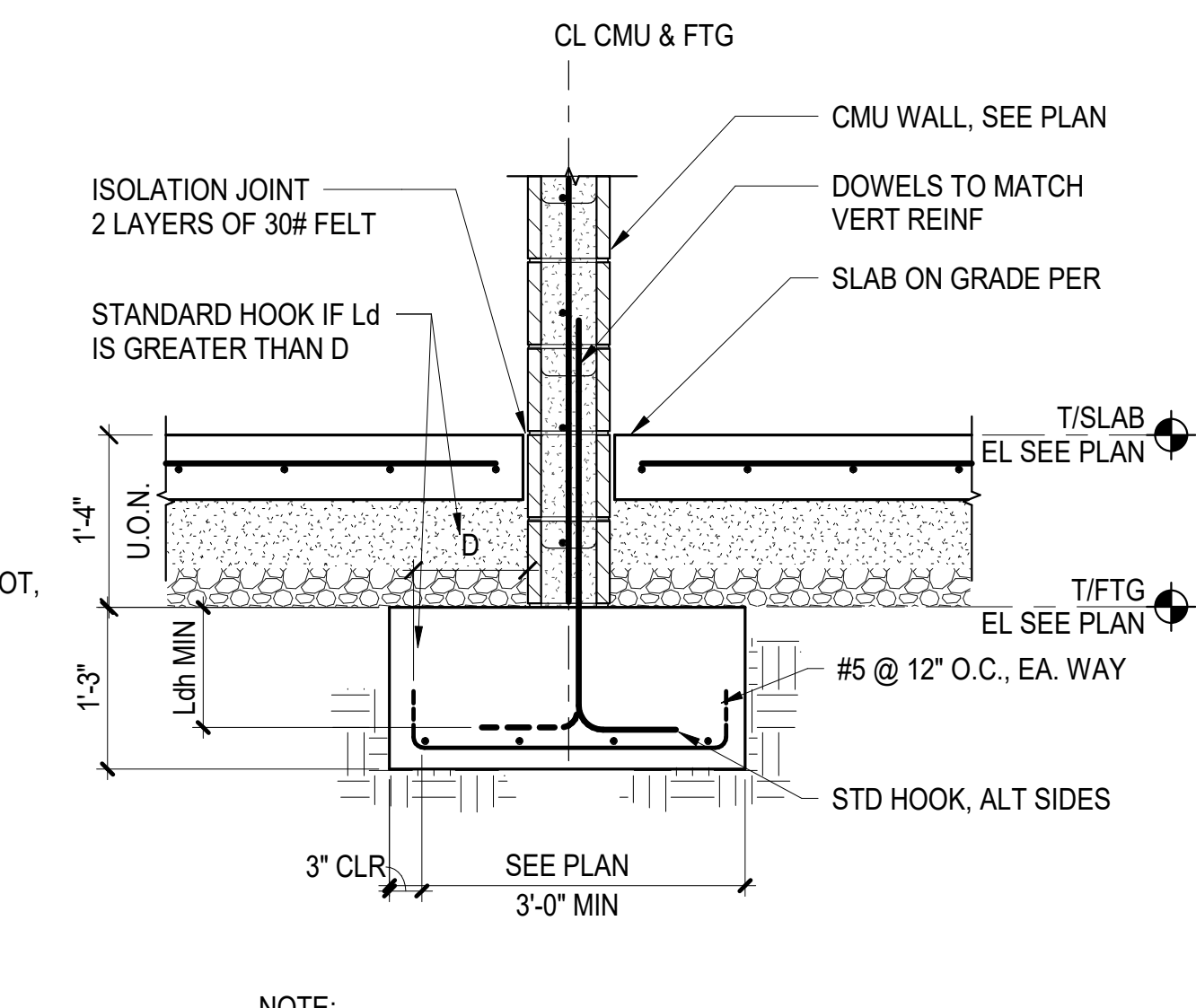
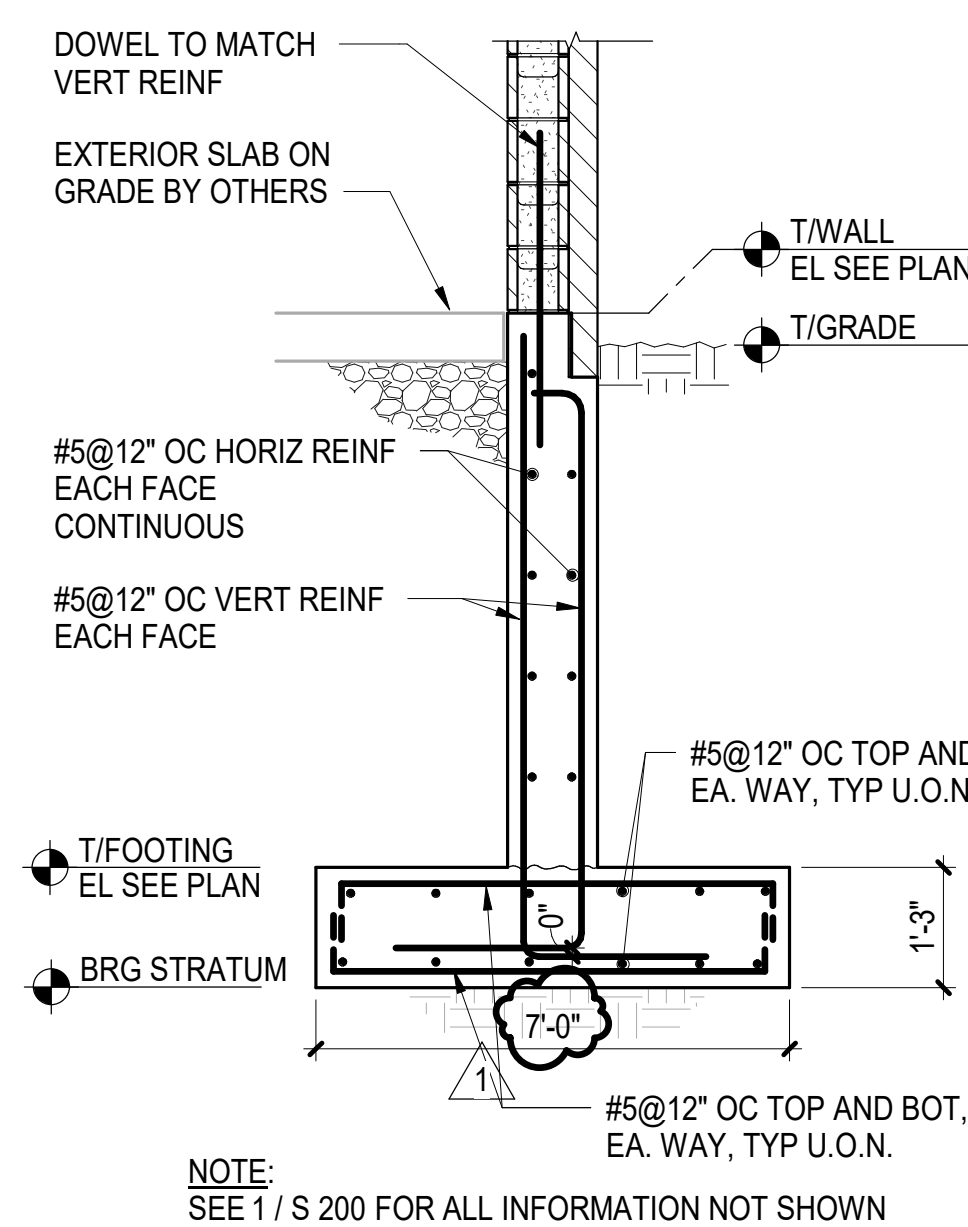
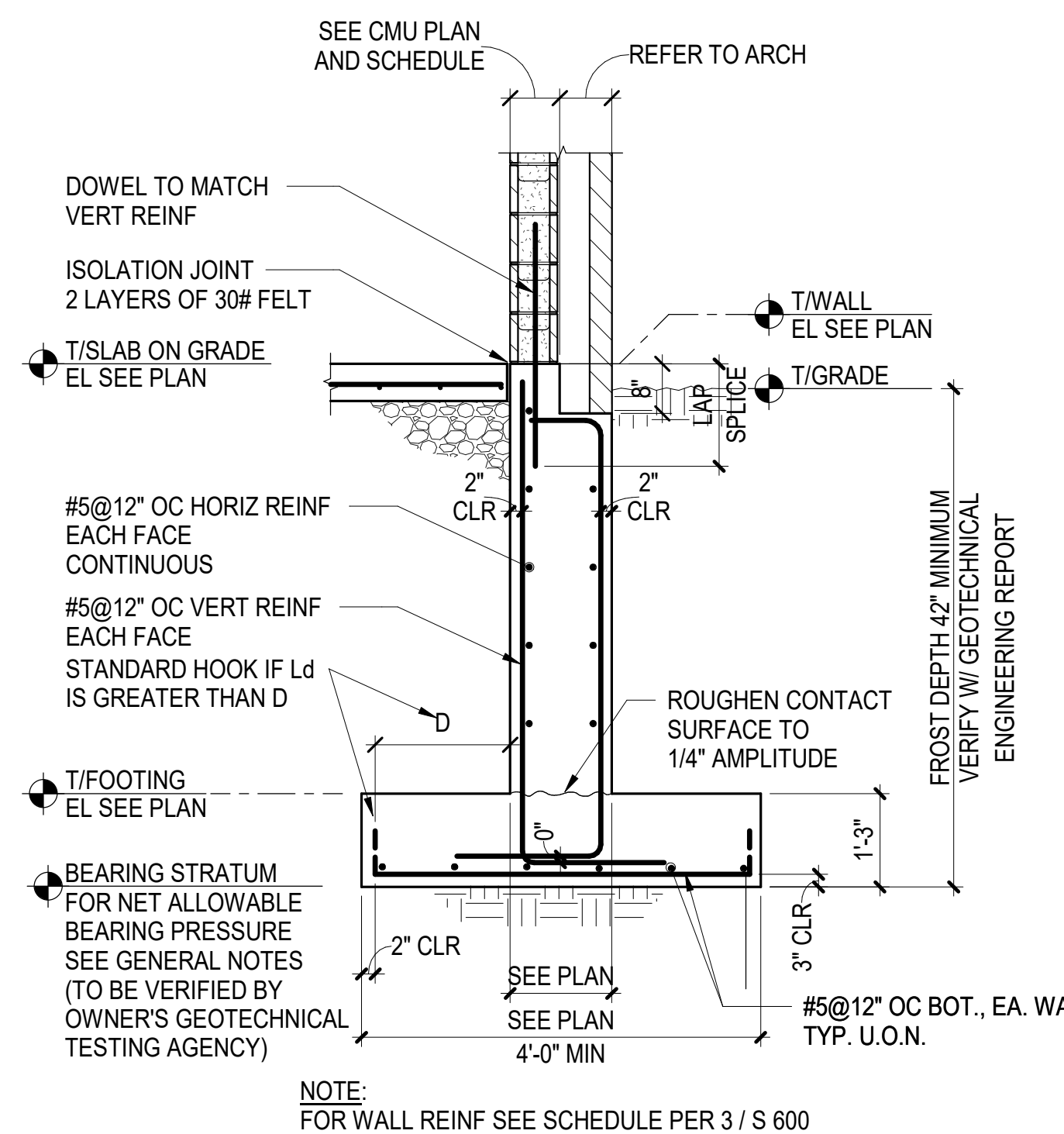
PROJECT TITLE  
 HAVERHILL ELEMENTARY SCHOOL  
 BID PACKAGE 5: FOOTINGS AND FOUNDATIONS - ADDENDUM NO. 1

OWNER  
 PORTAGE PUBLIC SCHOOLS  
 Portage, Michigan

SHEET TITLE  
 FIRST FLOOR CMU PLAN  
 SHEET NUMBER  
**S 111**  
 DATE  
 MAY 25, 2023  
 21-237.25

**1 FIRST FLOOR CMU PLAN**  
 3/32" = 1'-0"





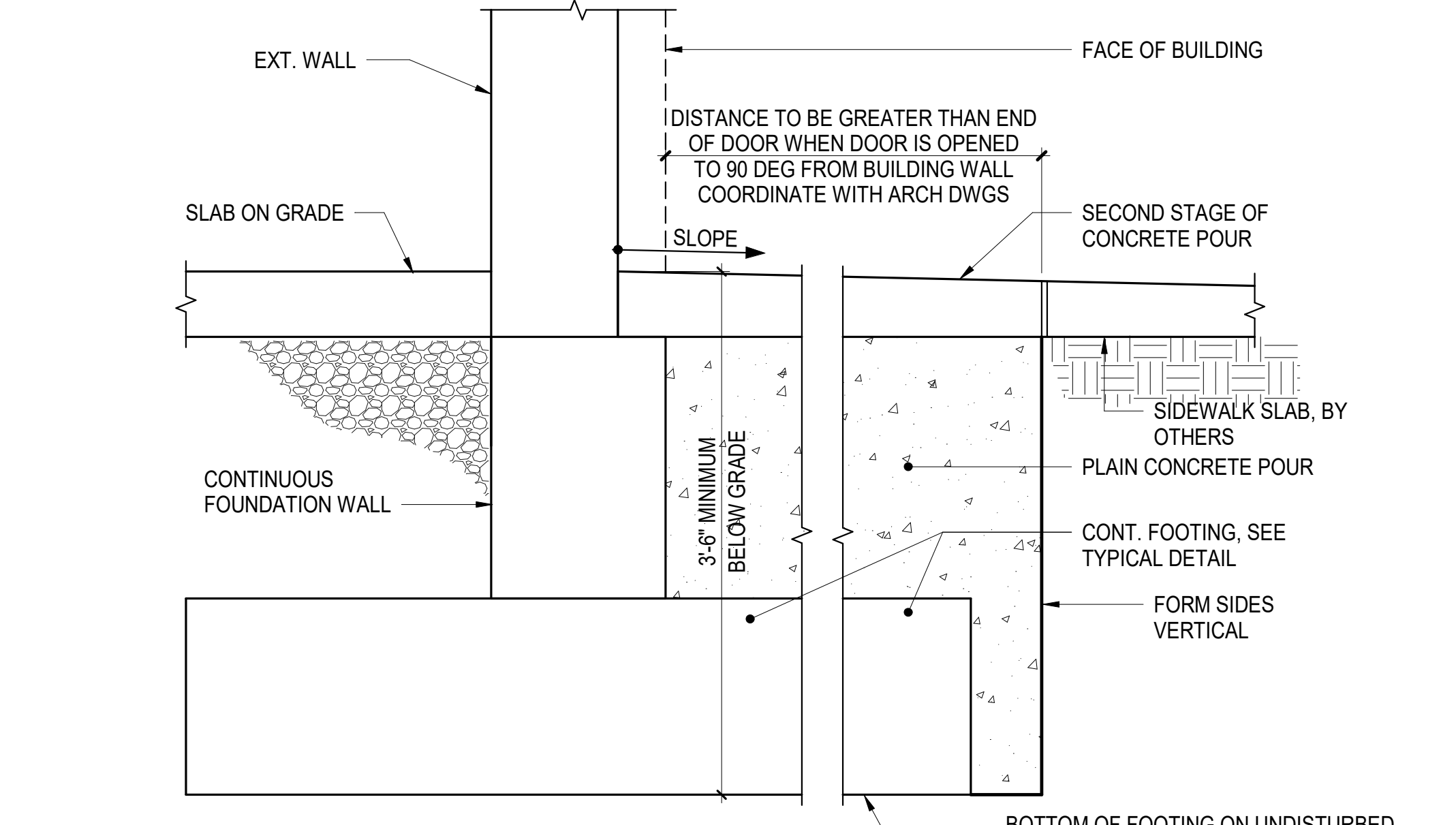
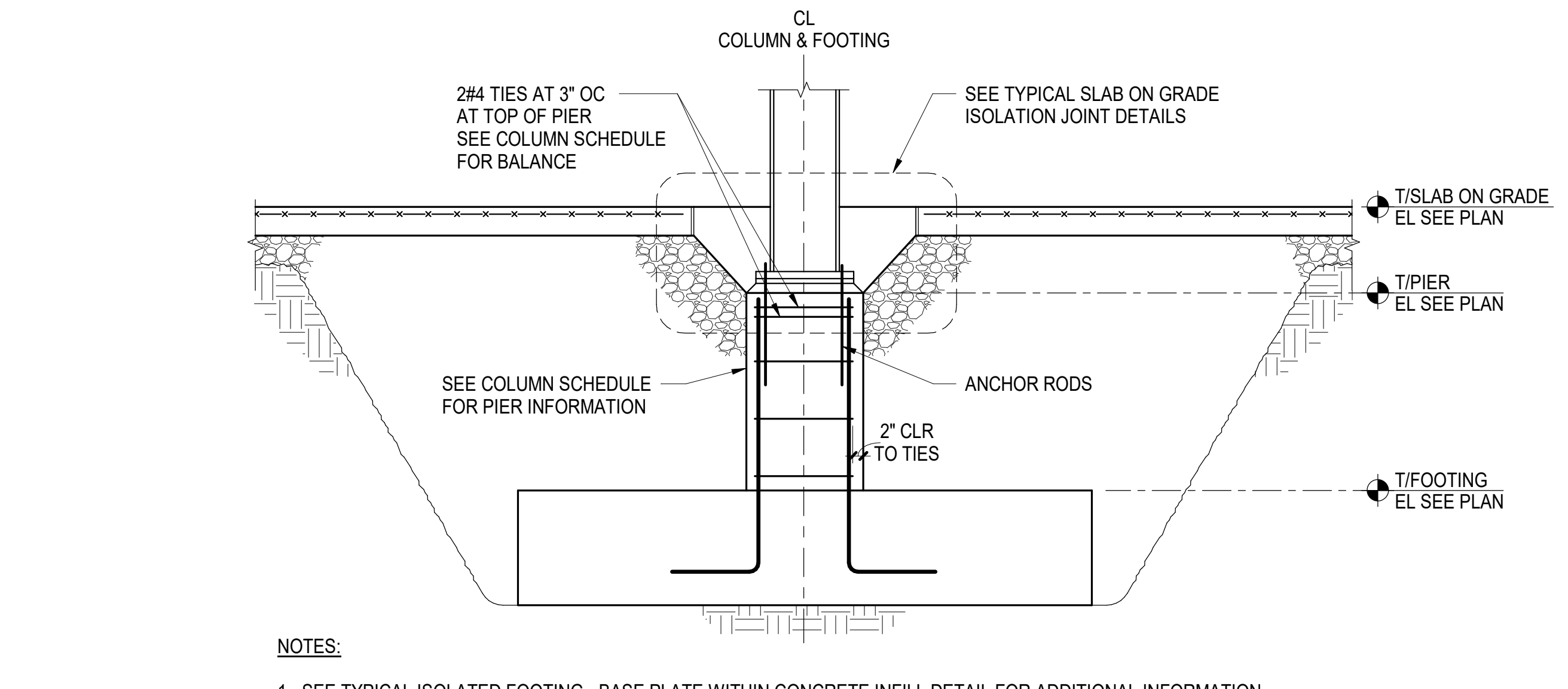
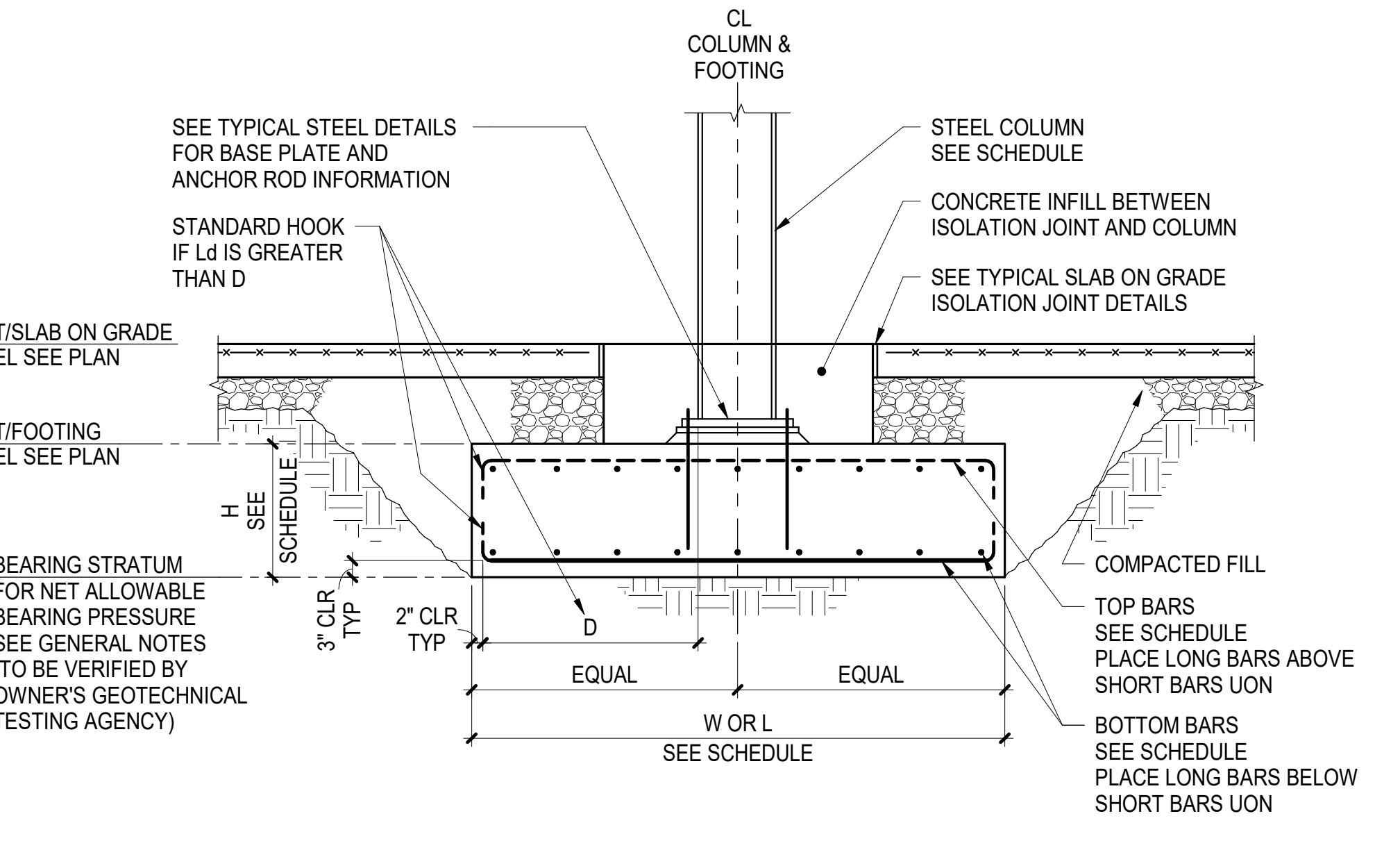
**1** TYPICAL CONTINUOUS FOOTING AT FROST WALL  
 NOT TO SCALE

**1A** TYPICAL CONTINUOUS FOOTING AT SCREEN WALL  
 NOT TO SCALE

**2** INTERIOR CMU WALL FOOTING  
 3/4\"/>

**3** STOREFRONT SECTION  
 3/4\"/>

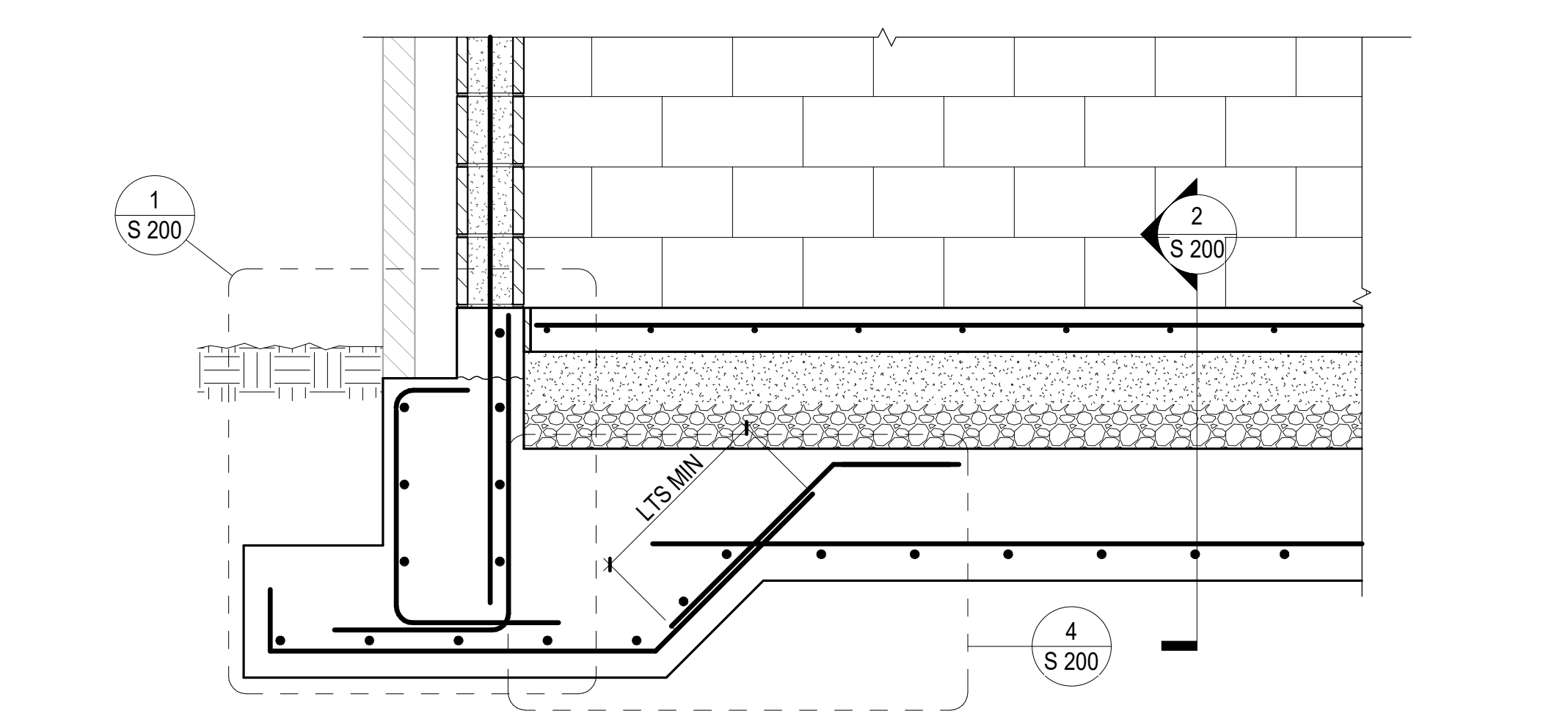
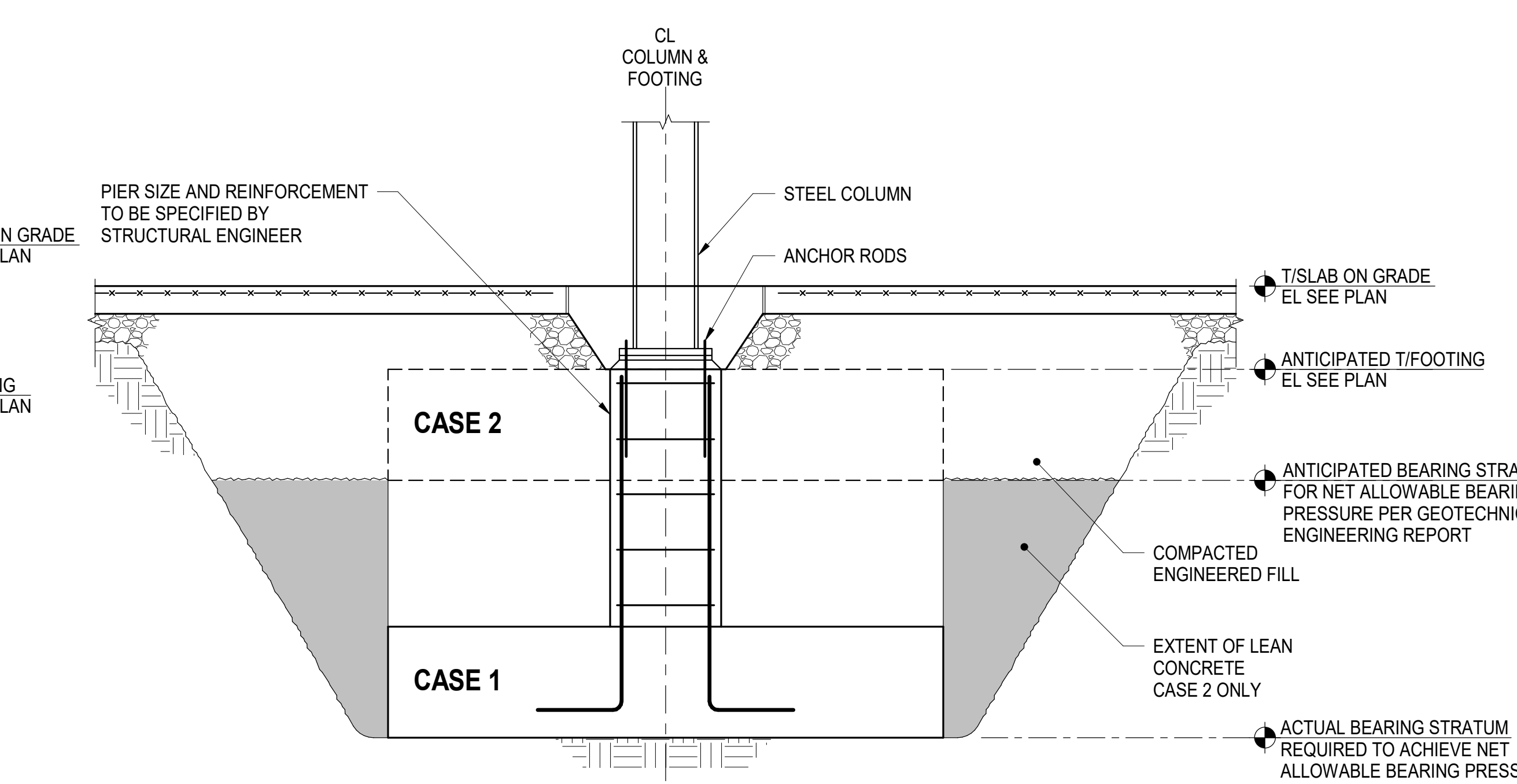
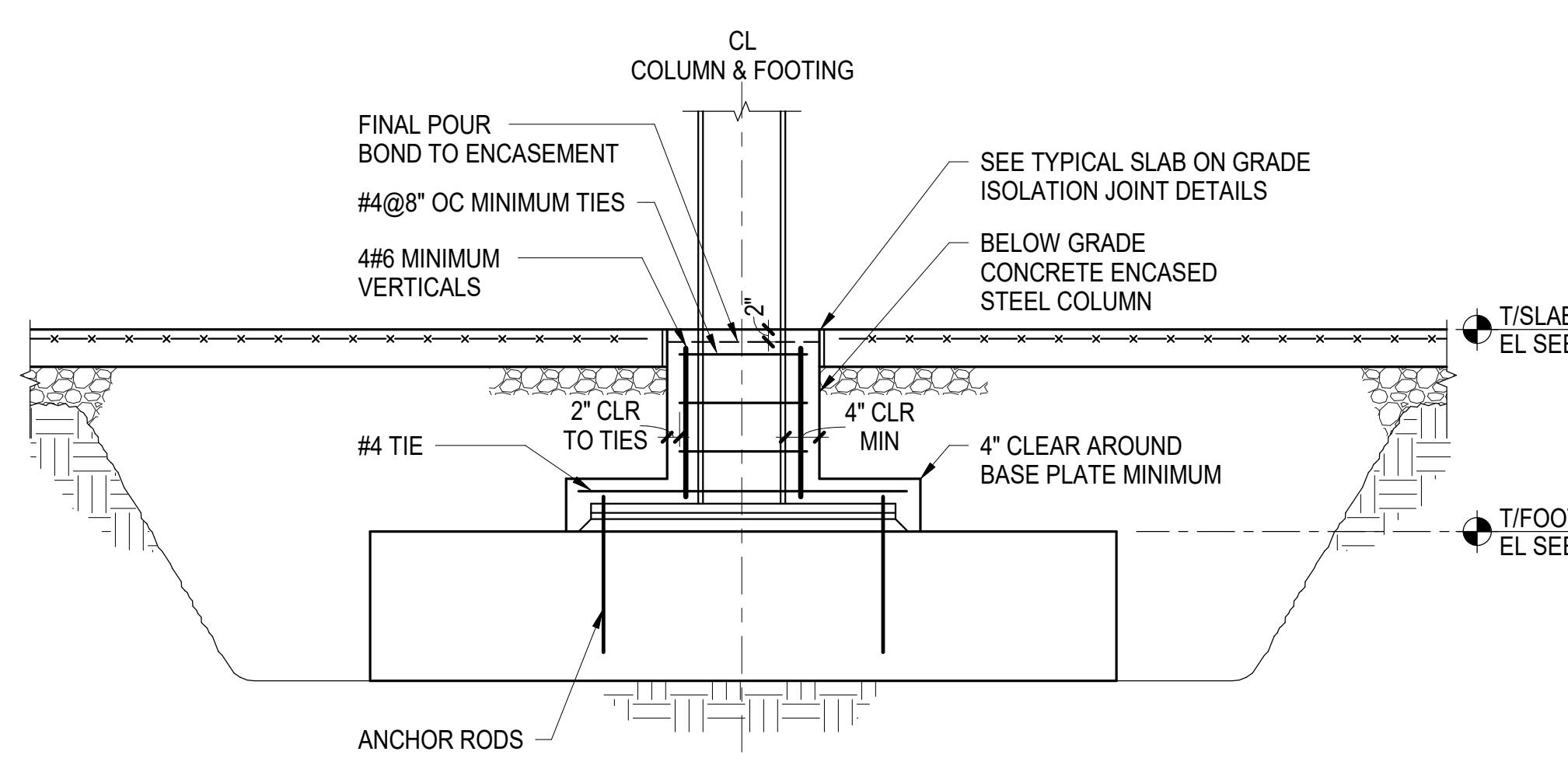
**4** TYPICAL STEPPED WALL FOOTING DETAIL  
 NOT TO SCALE



**5** TYPICAL ISOLATED FOOTING - BASE PLATE WITHIN CONCRETE INFILL  
 NOT TO SCALE

**6** TYPICAL PIER ON ISOLATED FOOTING  
 NOT TO SCALE

**7** TYPICAL FROST PROTECTION AT EXTERIOR ENTRY WITH OUTSWING DOORS  
 1\"/>

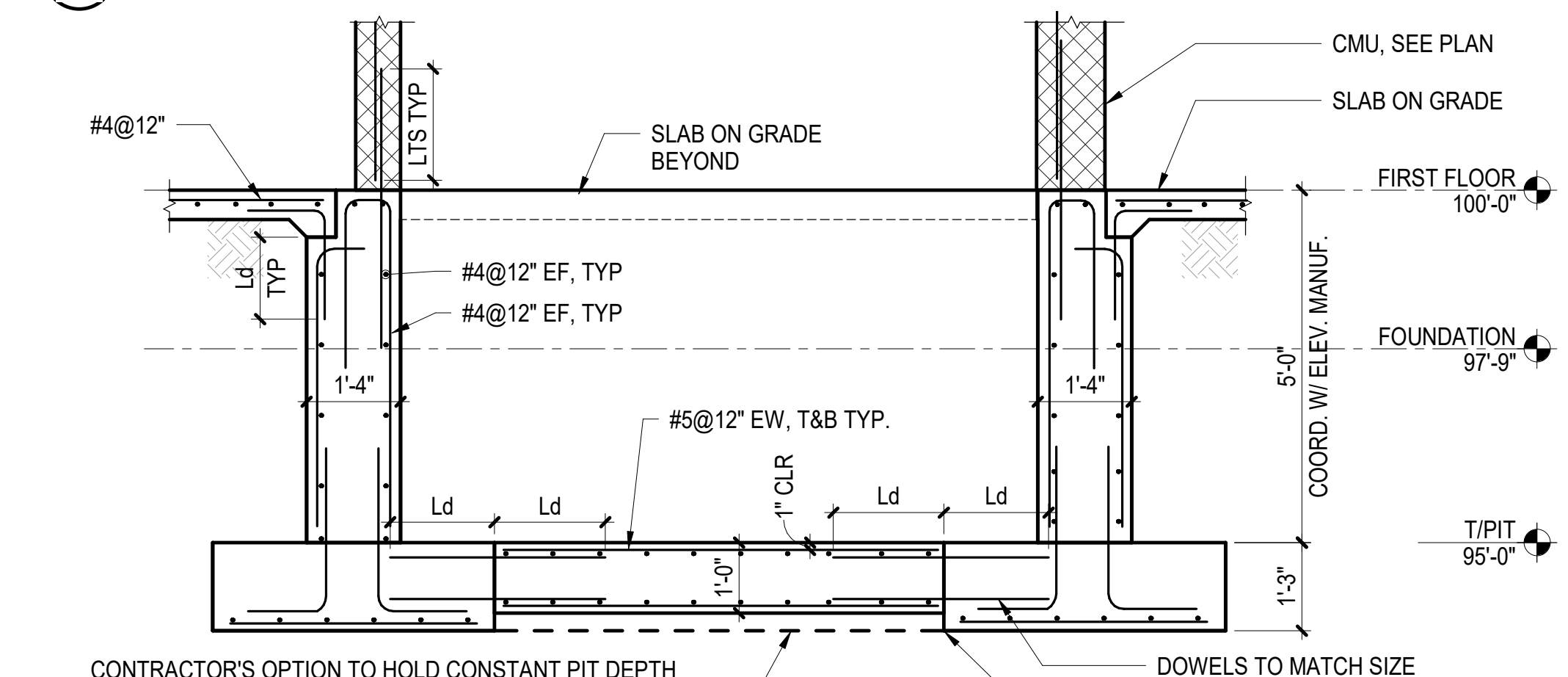


**8** TYPICAL ISOLATED FOOTING - CONCRETE ENCASED COLUMN AND BASE PLATE  
 NOT TO SCALE

**NOTES:**

- THIS DETAIL SHALL NOT BE USED WITHOUT PRIOR WRITTEN APPROVAL FROM THE SER
- THESE FOOTING INSTALLATION PROCEDURES ARE TO BE FOLLOWED IN THE EVENT THAT ANTICIPATED NET ALLOWABLE BEARING PRESSURE CANNOT BE OBTAINED AT THE ANTICIPATED STRUTUM
  - CASE 1: PLACE FOOTING AT ACTUAL BEARING STRUTUM. INSTALL PIER TO ANTICIPATED TOP OF FOOTING ELEVATION
  - CASE 2: AT CONTRACTOR'S OPTION, POUR LEAN CONCRETE (F<sub>c</sub>=2000 PSI MINIMUM) TO THE ANTICIPATED BOTTOM OF FOOTING ELEVATION AND CAST FOOTING ON TOP OF LEAN CONCRETE
- SEE TYPICAL ISOLATED FOOTING DETAILS FOR ADDITIONAL INFORMATION

**11** TYPICAL INTERIOR/EXTERIOR FOOTING INTERFACE  
 3/4\"/>



**9** ISOLATED FOOTING SCHEDULE  
 NOT TO SCALE

ISOLATED FOOTING SCHEDULE						
f <sub>c</sub> = SEE GENERAL NOTES						
MARK	SIZE			REINFORCEMENT		REMARKS
	L	W	H	BOTTOM BARS	TOP BARS	
F5	5'-0"	5'-0"	1'-6"	5#6 EA WAY	-	-
F7	7'-0"	7'-0"	1'-6"	7#6 EA WAY	-	-
F9	9'-0"	9'-0"	1'-6"	9#6 EA WAY	-	-
F11	11'-0"	11'-0"	2'-0"	13#6 EA WAY	-	-

**10** TYPICAL FOOTING DETAIL WHERE OVER-EXCAVATION IS REQUIRED DUE TO UNANTICIPATED SOIL CONDITIONS - STEEL COLUMN  
 NOT TO SCALE

**12** ELEVATOR PIT DETAIL  
 1/2\"/>

ADD No. 1 JUN 15, 2023  
 ISSUED FOR DATE

PROJECT TITLE  
 HAVERHILL ELEMENTARY SCHOOL  
 BID PACKAGE 5: FOOTINGS AND FOUNDATIONS - ADDENDUM NO. 1

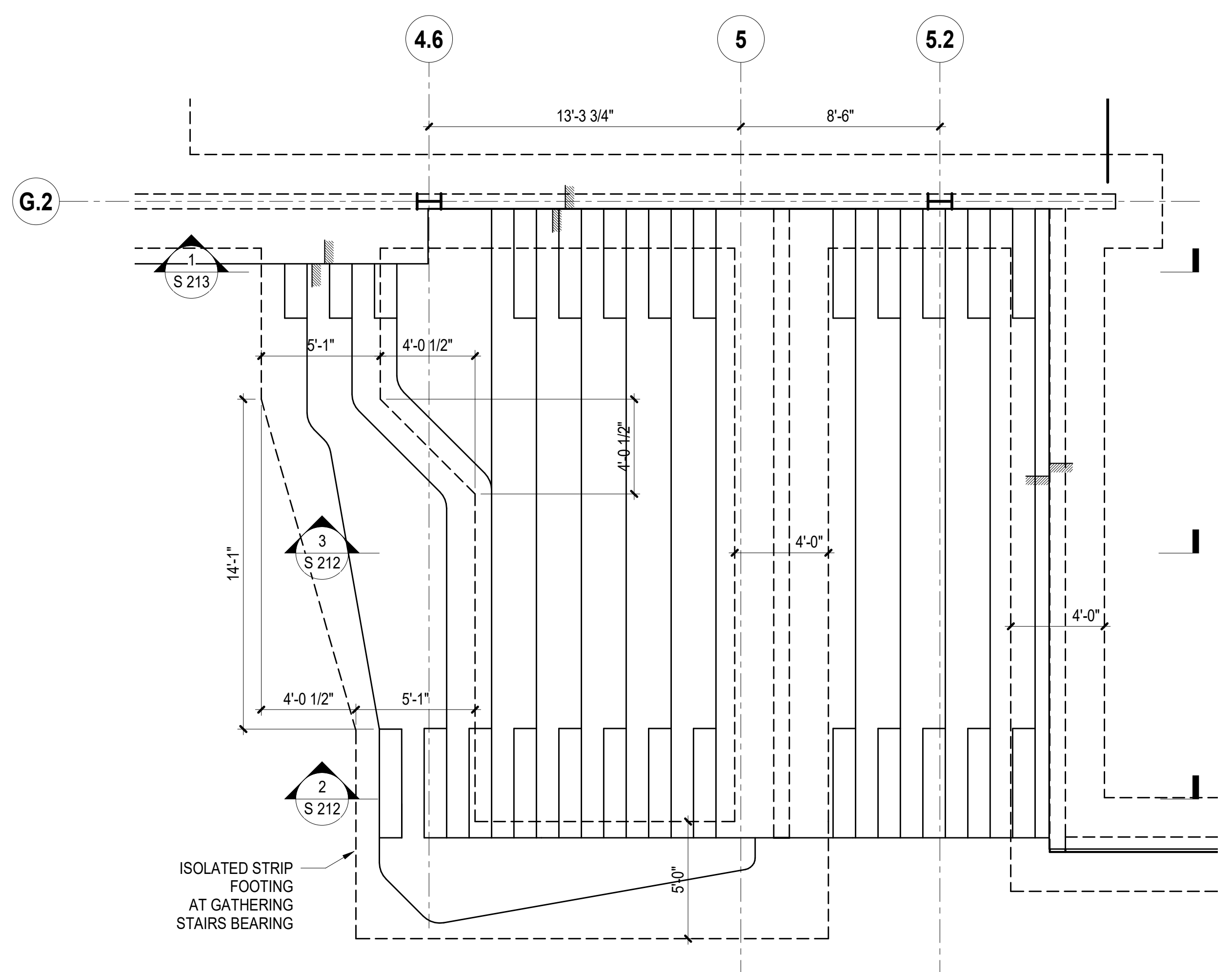
OWNER  
 PORTAGE PUBLIC SCHOOLS

Portage, Michigan

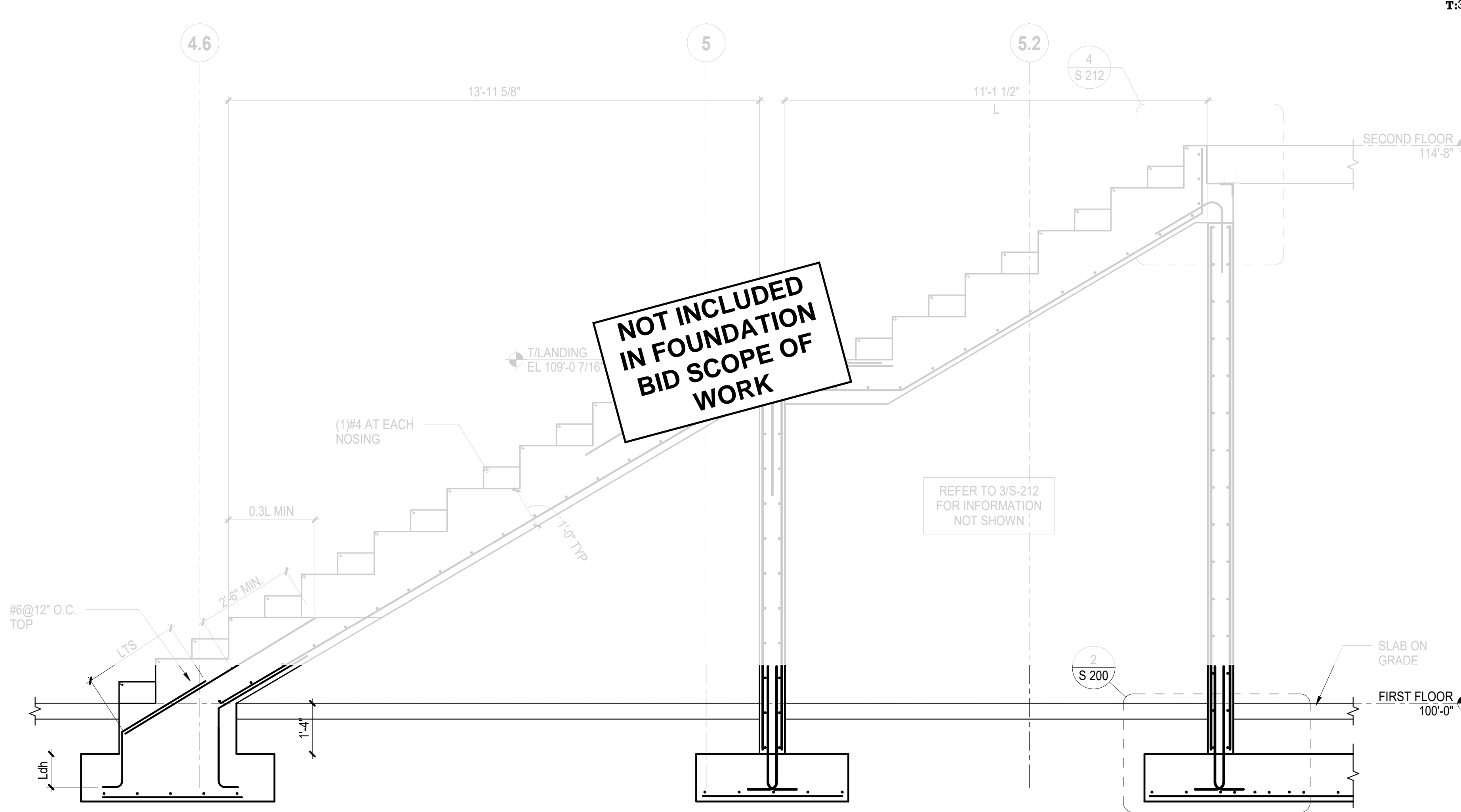
SHEET TITLE  
 TYPICAL FOOTING DETAILS

DATE  
 MAY 25, 2023  
 SHEET NUMBER  
 S 200  
 21-237.25

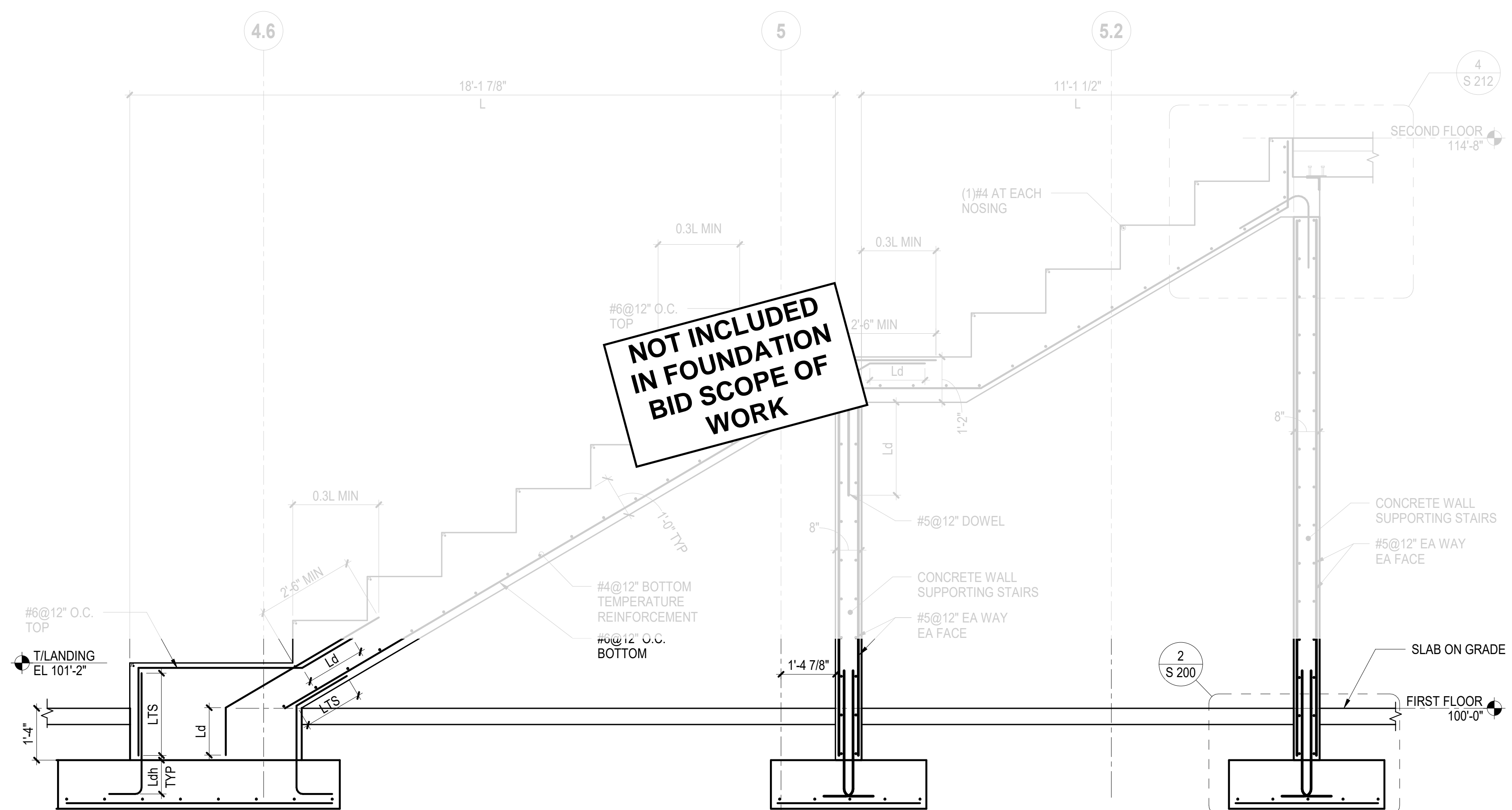




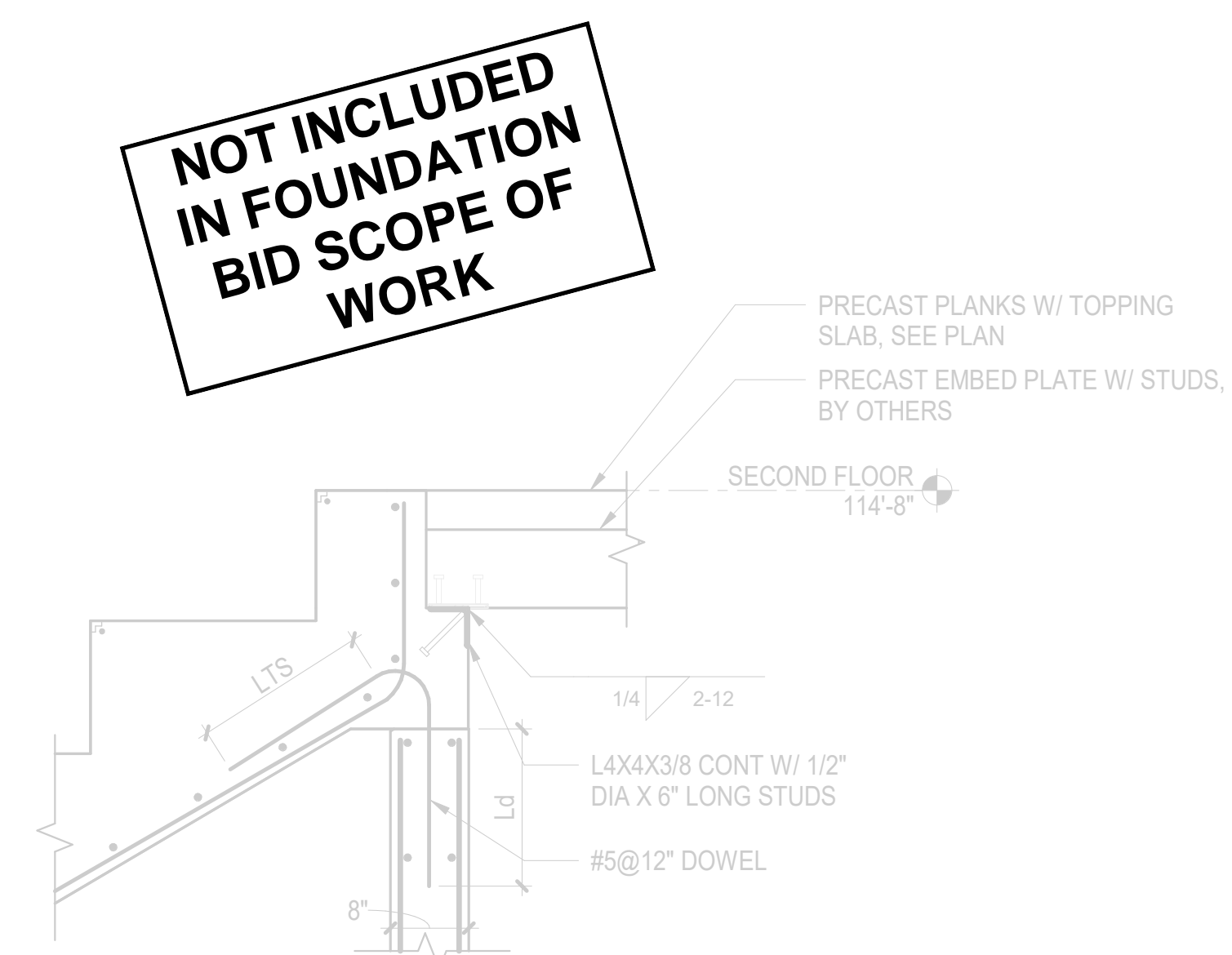
**1** GATHERING STAIR PARTIAL PLAN  
 1/4" = 1'-0"



**2** GATHERING STAIR SECTION  
 1/2" = 1'-0"



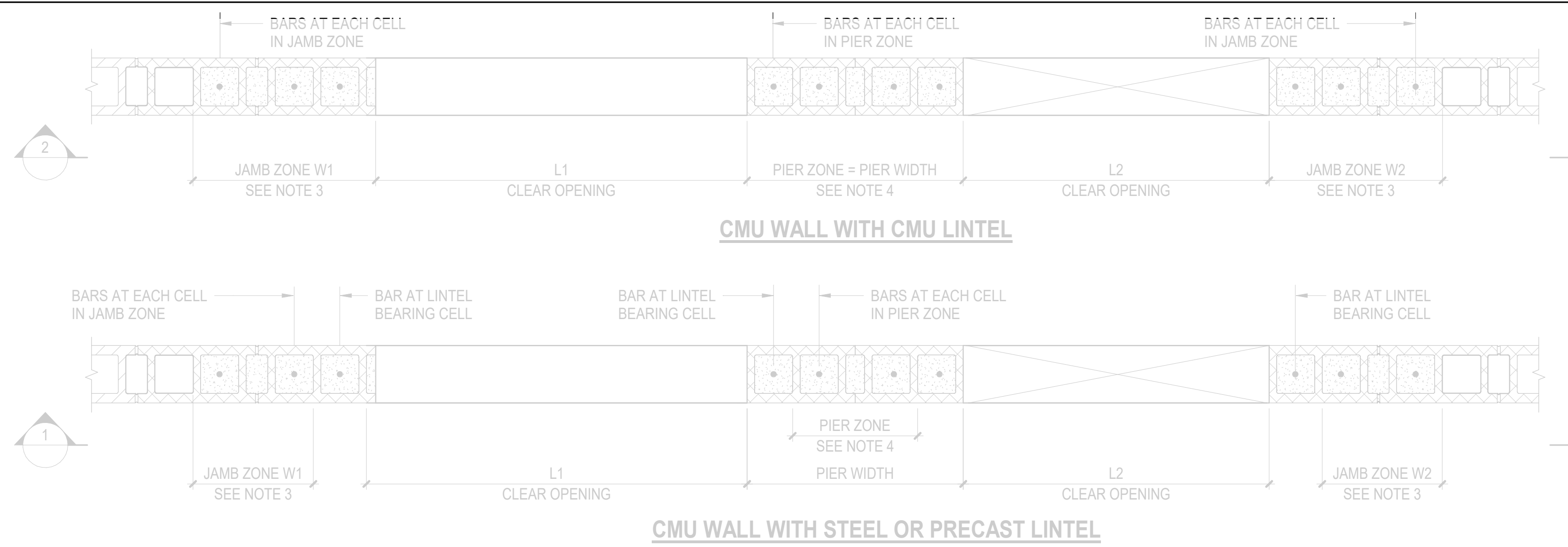
**3** GATHERING STAIR SECTION  
 1/2" = 1'-0"



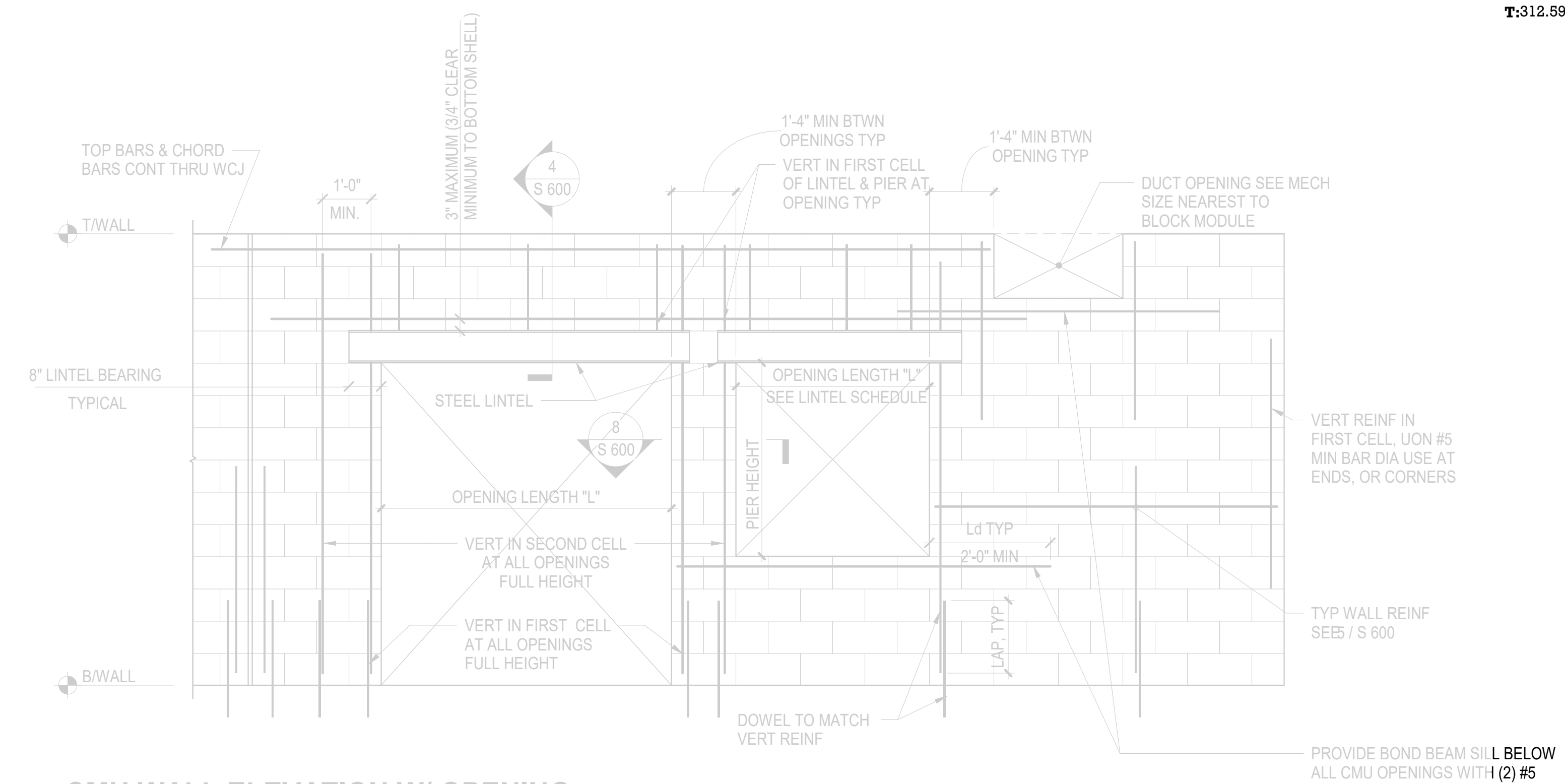
**4** GATHERING STAIR SECTION  
 3/4" = 1'-0"





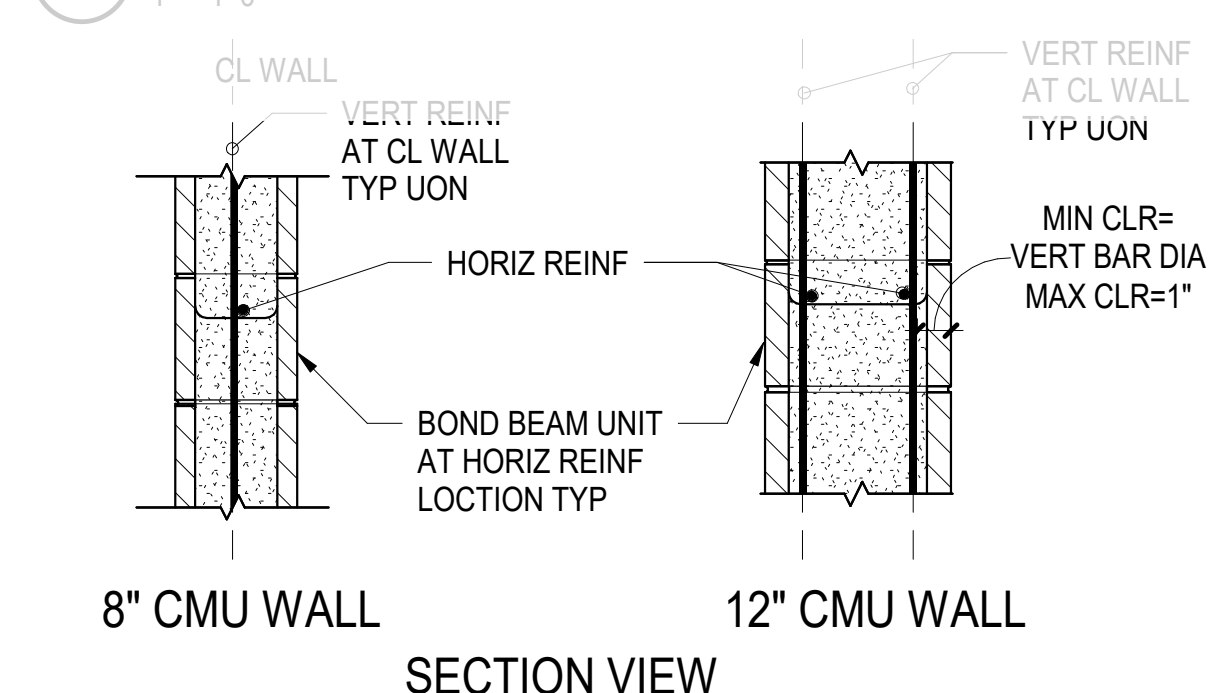


- NOTES:**
- SEE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION OF MASONRY WALL OPENINGS
  - SUM OF OPENING WIDTHS L1 PLUS L2 ON EITHER SIDE OF PIER SHALL NOT EXCEED 24'-0", AND ANY INDIVIDUAL OPENING SHALL NOT EXCEED 12'-0" IN WIDTH. FOR CONDITIONS EXCEEDING THIS CRITERIA, ENGINEER OF RECORD SHALL BE NOTIFIED PRIOR TO CONSTRUCTION
  - W1 AND W2 REFERS TO WIDTH OF JAMB ZONE BASED ON ADJACENT CLEAR OPENING L1 AND L2, RESPECTIVELY AS PER TYPICAL CMU NON-BEARING WALL JAMB AND PIER ZONE SCHEDULE
  - PIER ZONE REFERS TO MINIMUM WIDTH OF PIER AS SCHEDULED ON TYPICAL CMU NON-BEARING WALL JAMB AND PIER ZONE SCHEDULE
  - PROVIDE P1 TYPE REINFORCEMENT EITHER SIDE OF THE OPENING AS FOLLOWS:
    - UPTO 7'-0" WIDE OPENING - 16" WIDE PIER
    - UPTO 12'-0" WIDE OPENING - 24" WIDE PIER



**2 CMU WALL ELEVATION W/ OPENING**  
 1/2" = 1'-0"

**1 TYPICAL CMU NON-BEARING WALL PLAN DETAIL AT ADJACENT WALL OPENINGS**  
 1" = 1'-0"



**REINFORCING SCHEDULE FOR CONCRETE MASONRY WALL**

WALL TYPE	NOMINAL THICKNESS	VERTICAL REINF	HORIZONTAL REINF	No. OF REINF CURTAIN
DCMU/CMU-1	8"	#4 @ 32" OC	(2) #5 @ 48" O.C.	SINGLE
CMU-2	8"	#4 @ 48" OC	(2) #5 @ 48" O.C.	SINGLE
CMU-3	12"	#4 @ 48" OC	(2) #5 @ 48" O.C.	DOUBLE
CMU-4	8"/12"	#4 @ 72" OC	(2) #5 @ 72" O.C.	SINGLE

- NOTES:**
- SEE PLANS FOR WALL TYPE LOCATIONS.
  - LAP SPLICE REINFORCING PER
  - CMU SHALL BE RUNNING BOND & FULLY GROUDED UON
  - USE DOUBLE OPEN END BLOCKS TO THE EXTENT PRACTICAL TYP DO NOT PLACE CLOSED SIDES BACK TO BACK.
  - SEE STRUCTURAL GENERAL NOTES FOR MATERIAL SPECIFICATIONS
  - FOR WALL CONSTRUCTION & CONTROL JOINT SEE DETAIL
  - FOR WALL CORNERS & INTERSECTIONS SEE DETAIL
  - DCMU DENOTES DECORATIVE CONCRETE MASONRY UNIT.

**LAP SPLICE LENGTH (f' m=2000PSI)**

BAR SIZE	FOR K<2db	FOR K<3db	FOR K<4db
#3	N/A	1'-10"	1'-5"
#4	3'-0"	2'-6"	1'-10"
#5	3'-9"	3'-1"	2'-4"
#6	4'-6"	4'-6"	3'-6"
#7	5'-3"	5'-3"	4'-2"
#8	6'-0"	6'-0"	5'-6"
#9	6'-10"	6'-10"	6'-2"

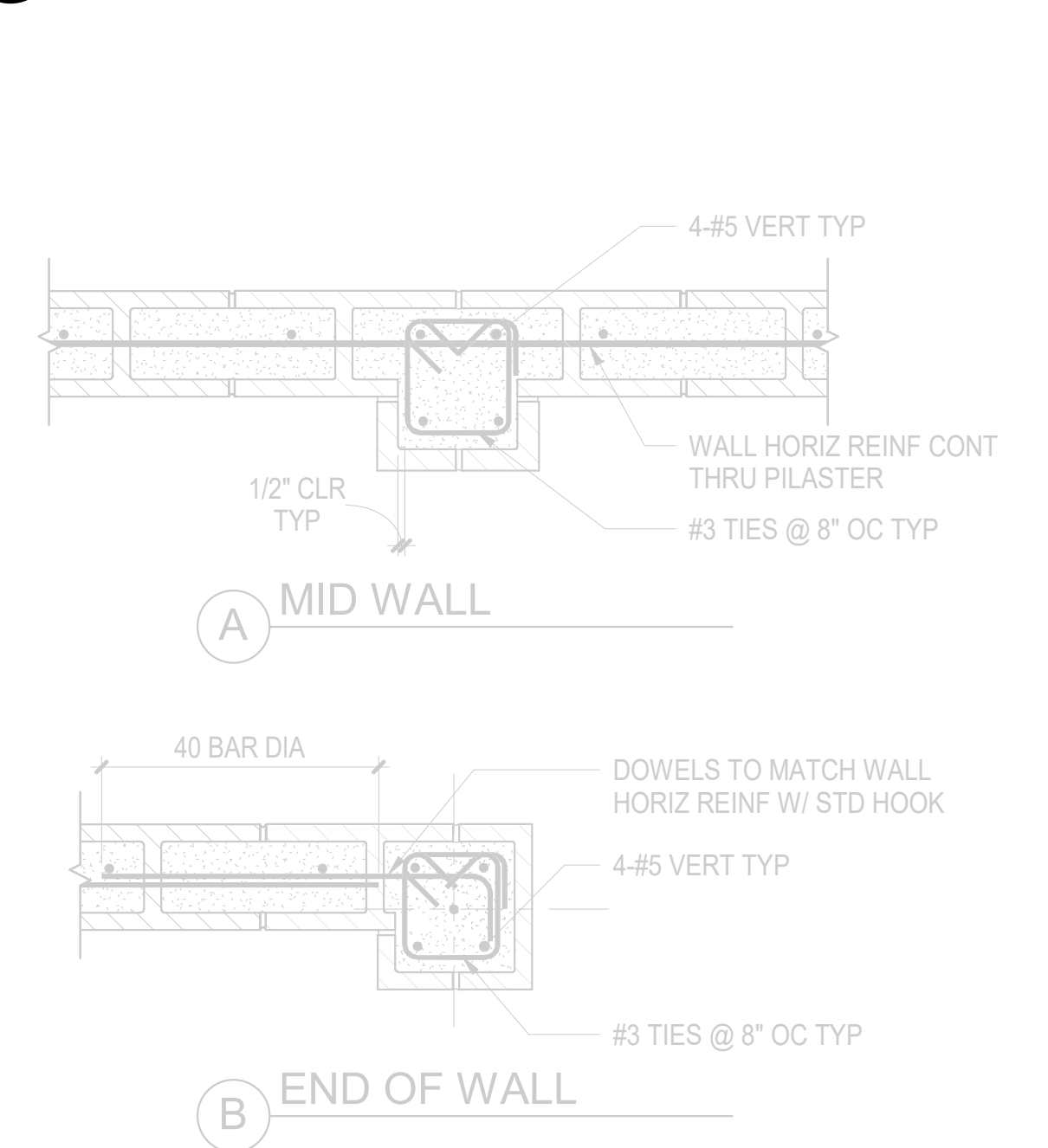
**ISSUED FOR REFERENCE OF CMU WALL TYPES AND REINF SPACING ONLY. PROVIDE ALLOWANCE FOR CMU WALL DOWELS BASED ON CMU WALL TYPES AND REINFORCEMENT SHOWN. WALL TYPE LOCATIONS TO BE FINALIZED IN 100% CD ISSUANCE.**

**WALL LINTEL SCHEDULE (NON-BEARING WALL)**

WALL TYPE	DEPTH	8" WALL	12" WALL	MIN JAMB ZONE OR PIER WIDTH	
ML-1	L ≤ 4'-0"	2-0"	#5 #3 @ 8" OC	#3 @ 6" OC	16"
ML-2	L ≤ 6'-0"	2-8"	#5 #3 @ 8" OC	2-#6 #3 @ 8" OC	16"

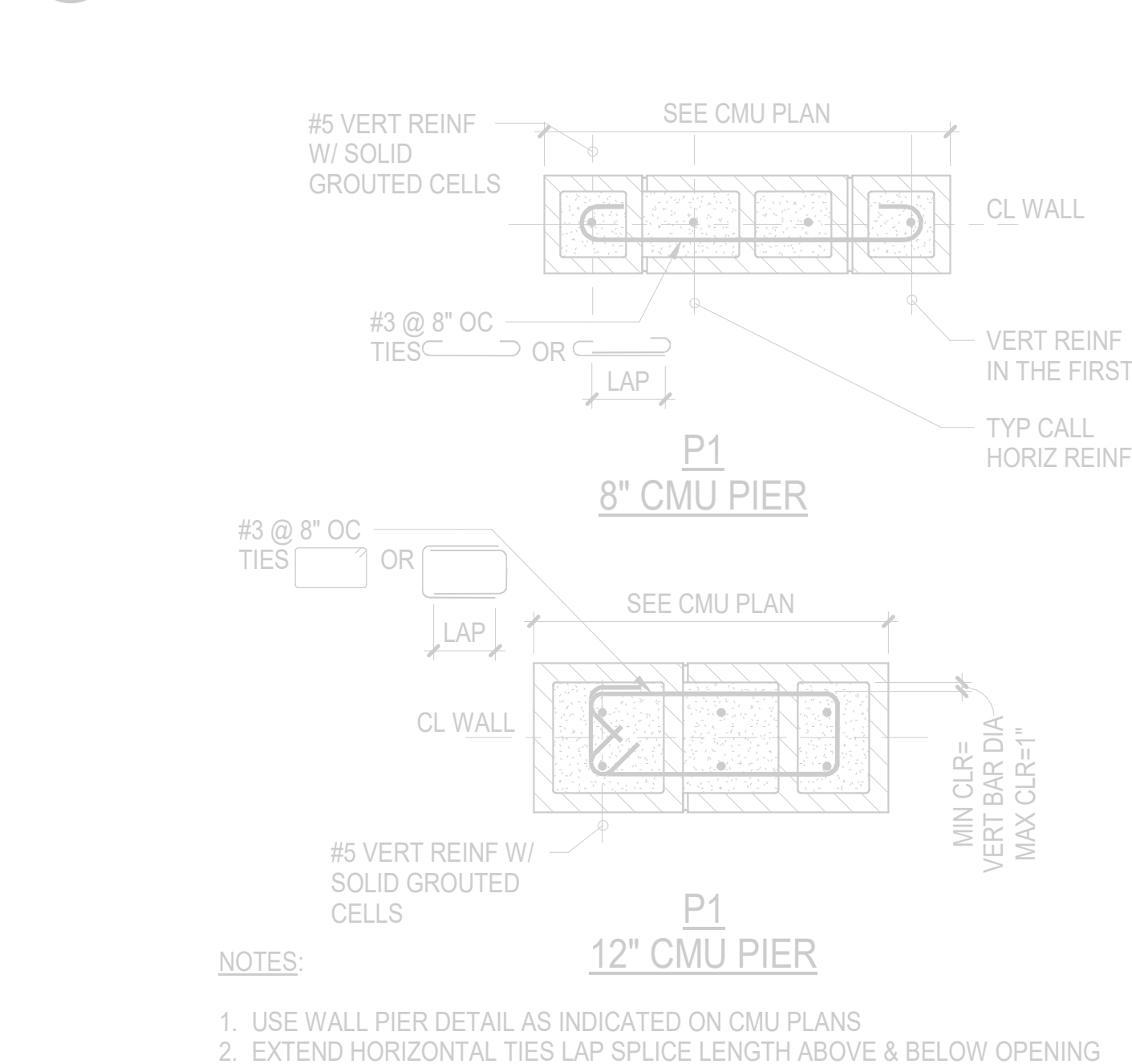
- NOTES:**
- "K" SHALL BE TAKEN AS THE CMU COVER DIMENSION OR THE CLEAR SPACING BETWEEN ADJACENT BARS, WHICHEVER IS LESS. SEE ABOVE.
  - WHERE EPOXY-COATED REINFORCING IS USED, INCREASE LAP SPLICE LENGTH BY 50%.
  - SPLICES OF HORIZONTAL REINFORCEMENT IN WALLS SHALL BE STAGGERED.
  - SPLICES OF HORIZONTAL REINFORCEMENT IN WALLS CONTAINING TWO CURTAINS OF REINFORCEMENT SHALL NOT OCCUR IN THE SAME LOCATION.
  - "N/A" MEANS "NOT ALLOWABLE" INCREASE "K" FOR ALLOWABLE LAP SPLICE.

**3 CMU WALL REINFORCING SCHEDULE**  
 1" = 1'-0"



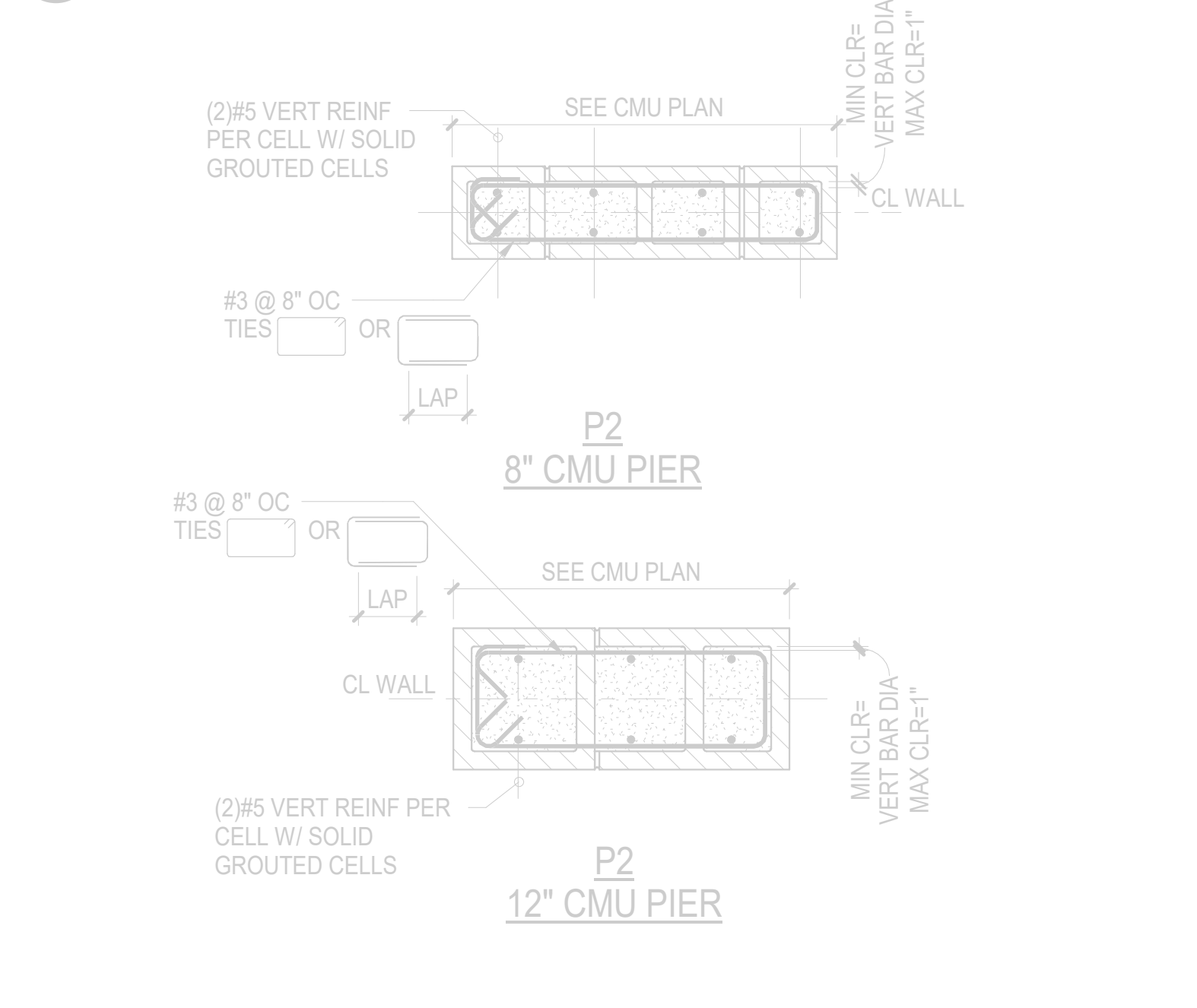
**7 PILASTER DETAIL**  
 1" = 1'-0"

**4 WALL LINTEL DETAIL AND SCHEDULE**  
 1" = 1'-0"

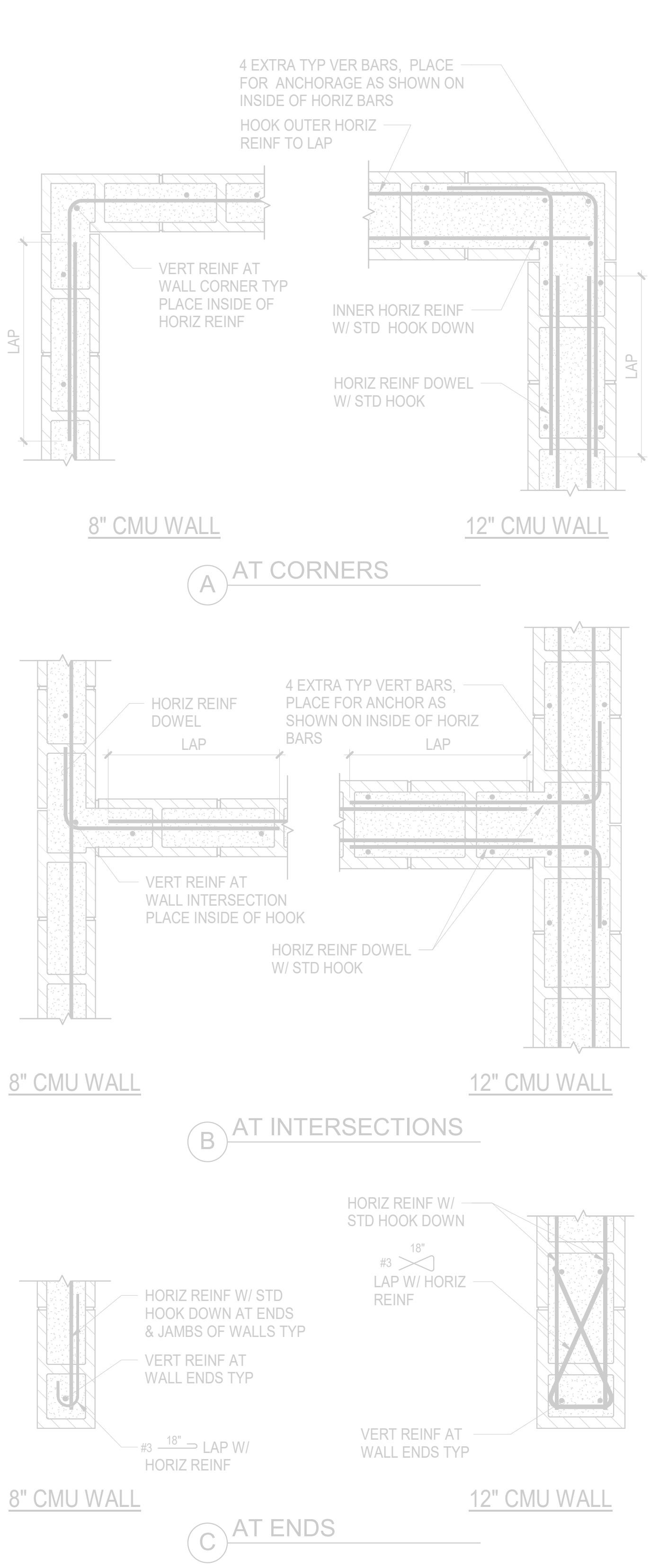
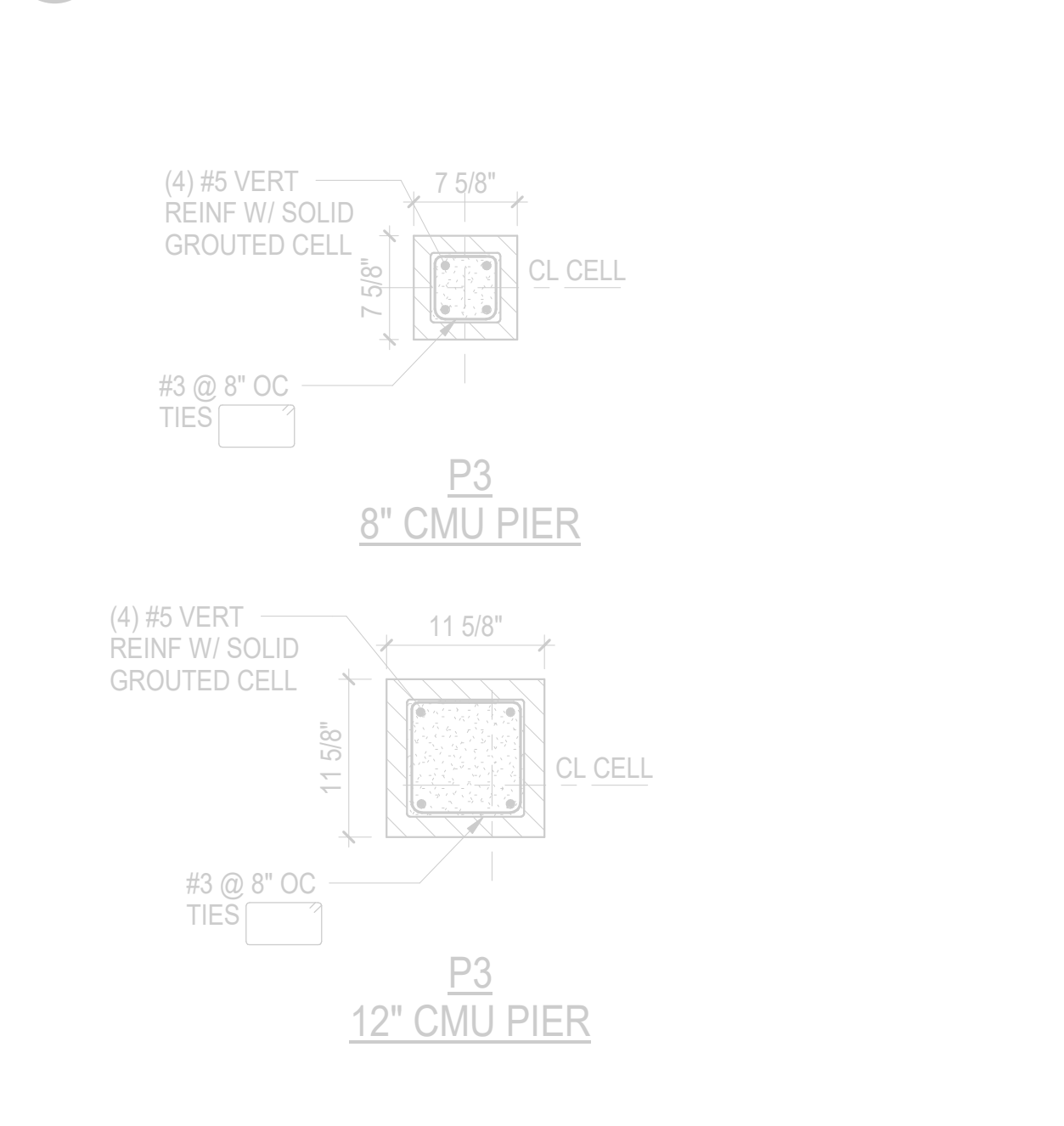


**8 WALL PIER DETAIL**  
 1" = 1'-0"

**5 REBAR OFFSET AND LAP SPLICE CMU f' m=2000 PSI**  
 1" = 1'-0"



**6 TYPICAL STEEL LINTEL SCHEDULE (NON-BEARING WALL)**  
 NOT TO SCALE



**9 CMU WALL CORNERS AND INTERSECTIONS**  
 1" = 1'-0"

PROJECT TITLE  
**HAVERHILL ELEMENTARY SCHOOL**  
 BID PACKAGE 5: FOOTINGS AND FOUNDATIONS - ADDENDUM NO. 1

OWNER  
**PORTAGE PUBLIC SCHOOLS**

SHEET NUMBER  
**S 600**  
 21-237.25

Portage, Michigan

DATE  
 MAY 25, 2023

ADD No. 1  
 JUN 15, 2023  
 ISSUED FOR  
 DATE



**GENERAL NOTES**

- REFER TO CODE COMPLIANCE PLAN FOR WALL RATING LINES.
- REFER TO FLOOR FINISH PLANS FOR INTERIOR ELEVATION CALLOUTS.
- REFER TO SHEET A 501 FOR WALL AND CEILING ACCESS PANEL INFORMATION.

**KEYED NOTES - NEW CONSTRUCTION**

**PRELIMINARY**  
 NOT FOR CONSTRUCTION

ISSUED FOR \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT TITLE  
**HAVERHILL ELEMENTARY SCHOOL**  
 BID PACKAGE 6: CONSTRUCTION

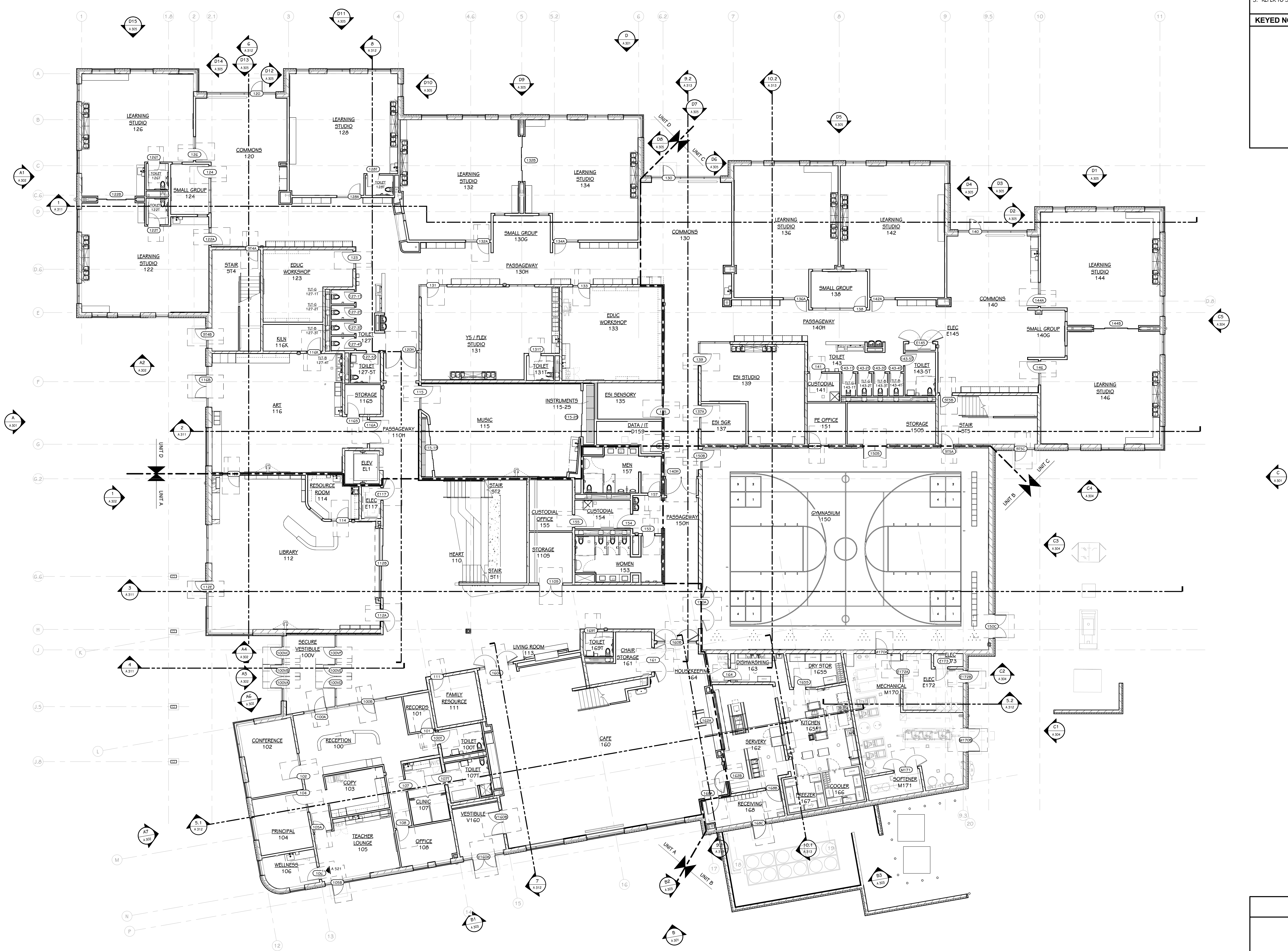
OWNER  
**PORTAGE PUBLIC SCHOOLS**

Portage, Michigan

SHEET TITLE  
**FIRST FLOOR PLAN**

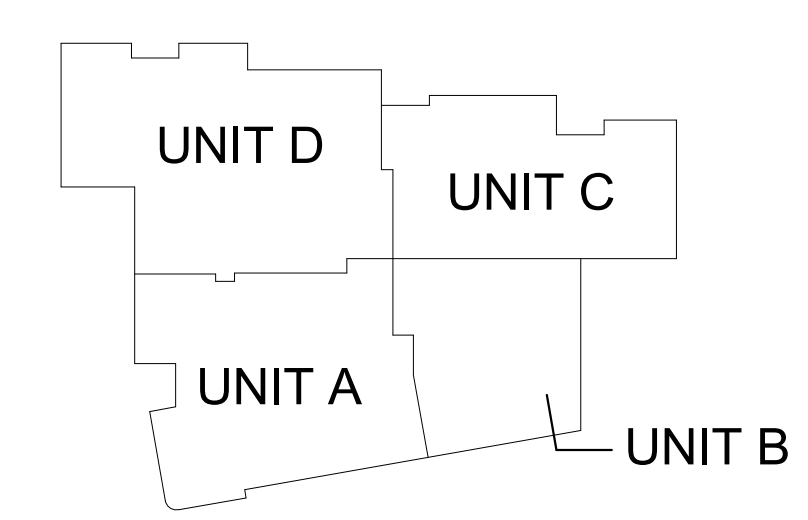
DATE  
**JUNE 19, 2023**

SHEET NUMBER  
**A 101**  
 21-237.20



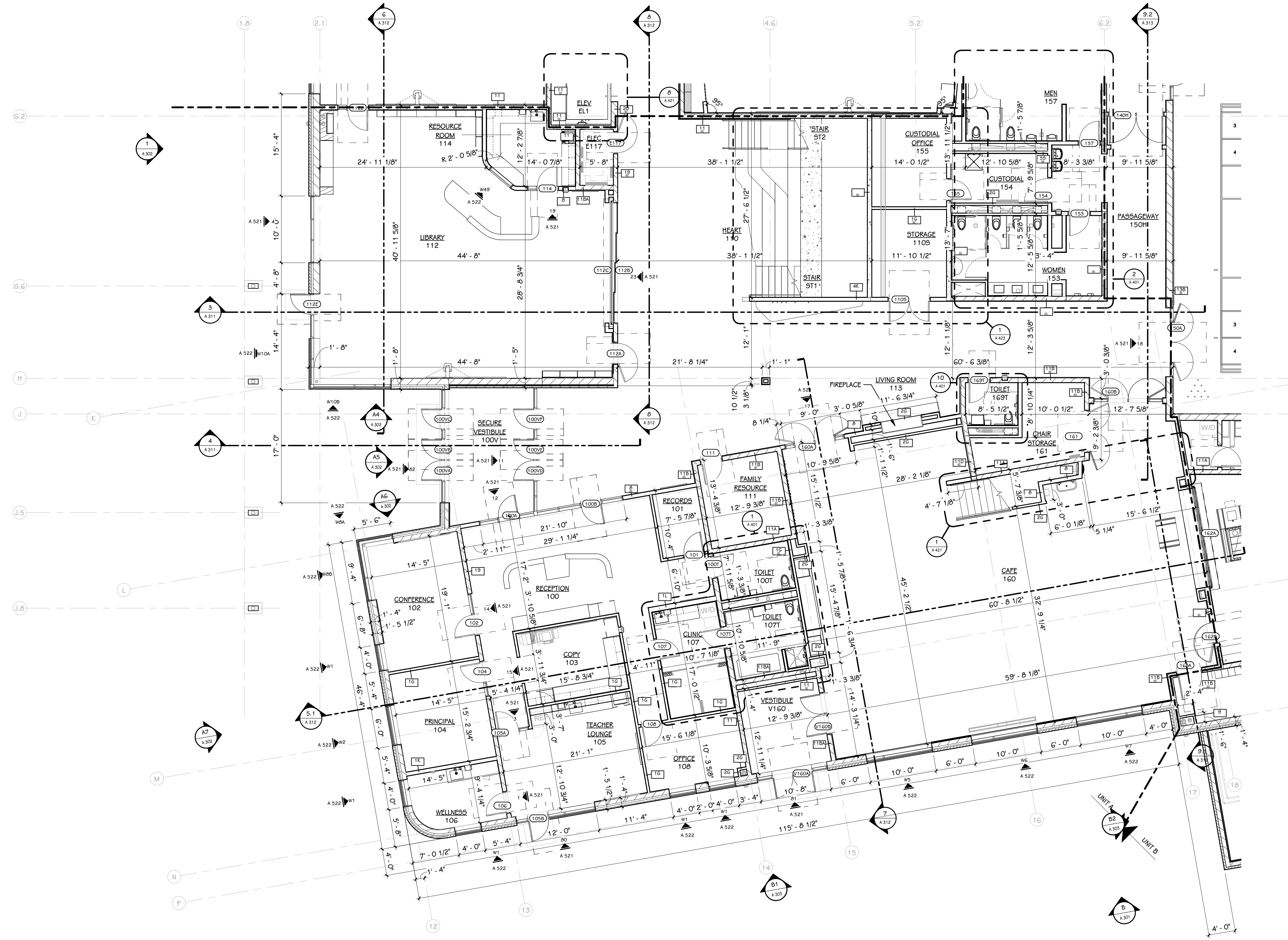
**FIRST FLOOR PLAN**  
 3/32" = 1'-0"

**HAVERHILL ELEMENTARY**



**KEY PLAN**  
 SCALE: NO SCALE





FIRST FLOOR PLAN - UNIT A  
1/8" = 1'-0"

**GENERAL NOTES**

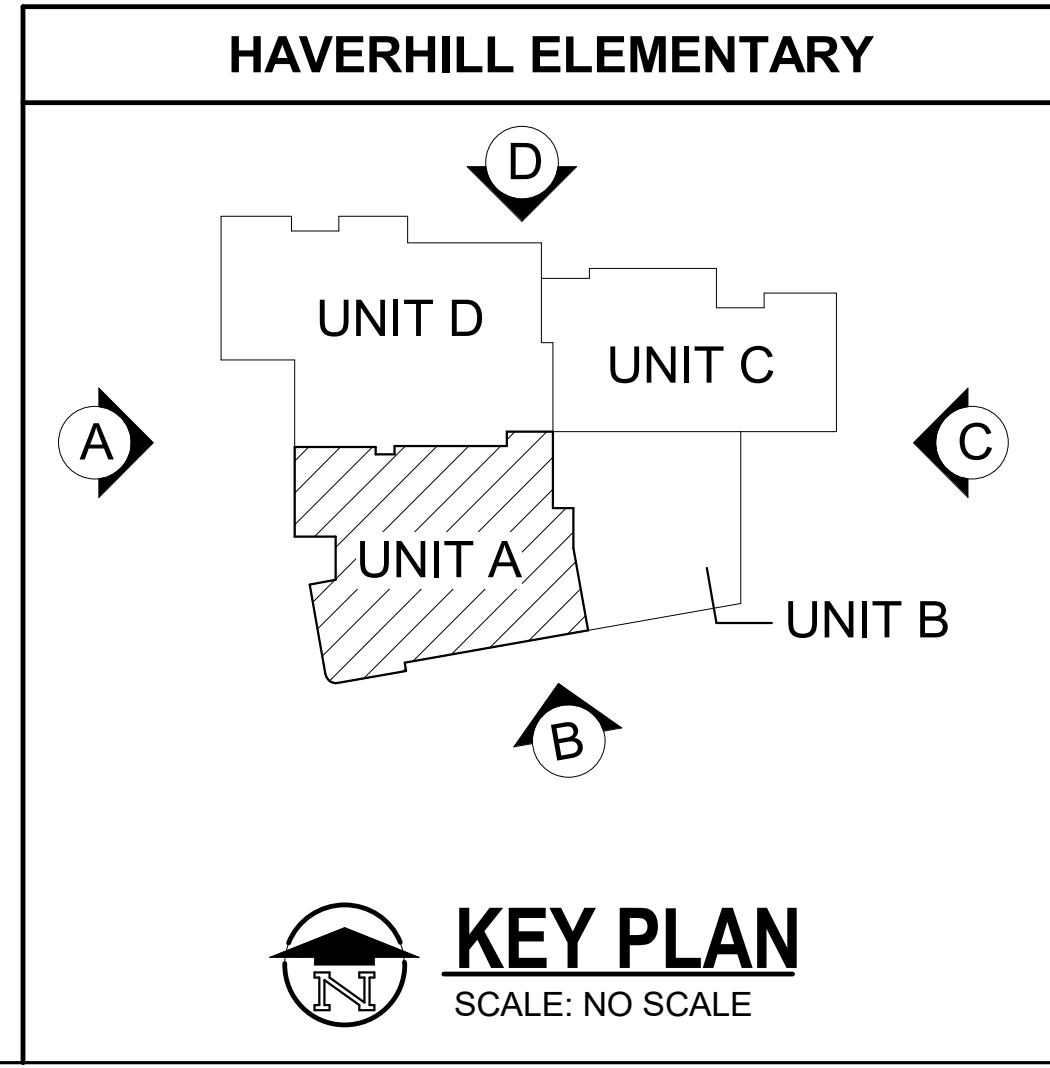
- REFER TO CODE COMPLIANCE PLAN FOR WALL RATING LINES.
- REFER TO FLOOR FINISH PLANS FOR INTERIOR ELEVATION CALLOUTS.
- REFER TO SHEET A 501 FOR WALL AND CEILING ACCESS PANEL INFORMATION.

**KEYED NOTES - NEW CONSTRUCTION**

PROJECT TITLE  
HAVERHILL ELEMENTARY SCHOOL  
BID PACKAGE 6: CONSTRUCTION

OWNER  
PORTAGE PUBLIC SCHOOLS

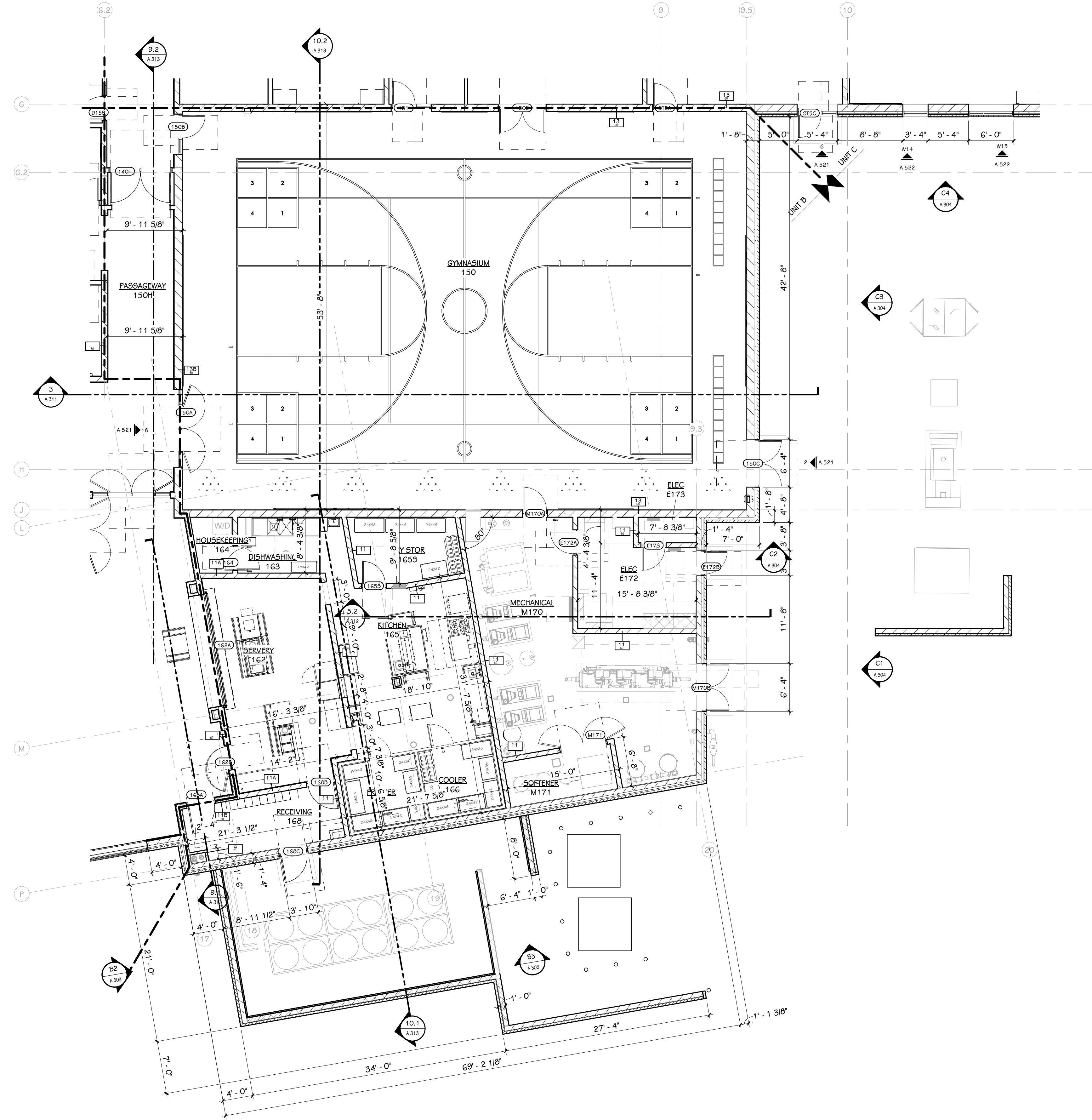
Portage, Michigan



SHEET TITLE  
FIRST FLOOR PLAN - UNIT A

SHEET NUMBER  
**A 101A**  
21-237.20

DATE  
JUNE 19, 2023



**FIRST FLOOR PLAN - UNIT B**  
1/8" = 1'-0"

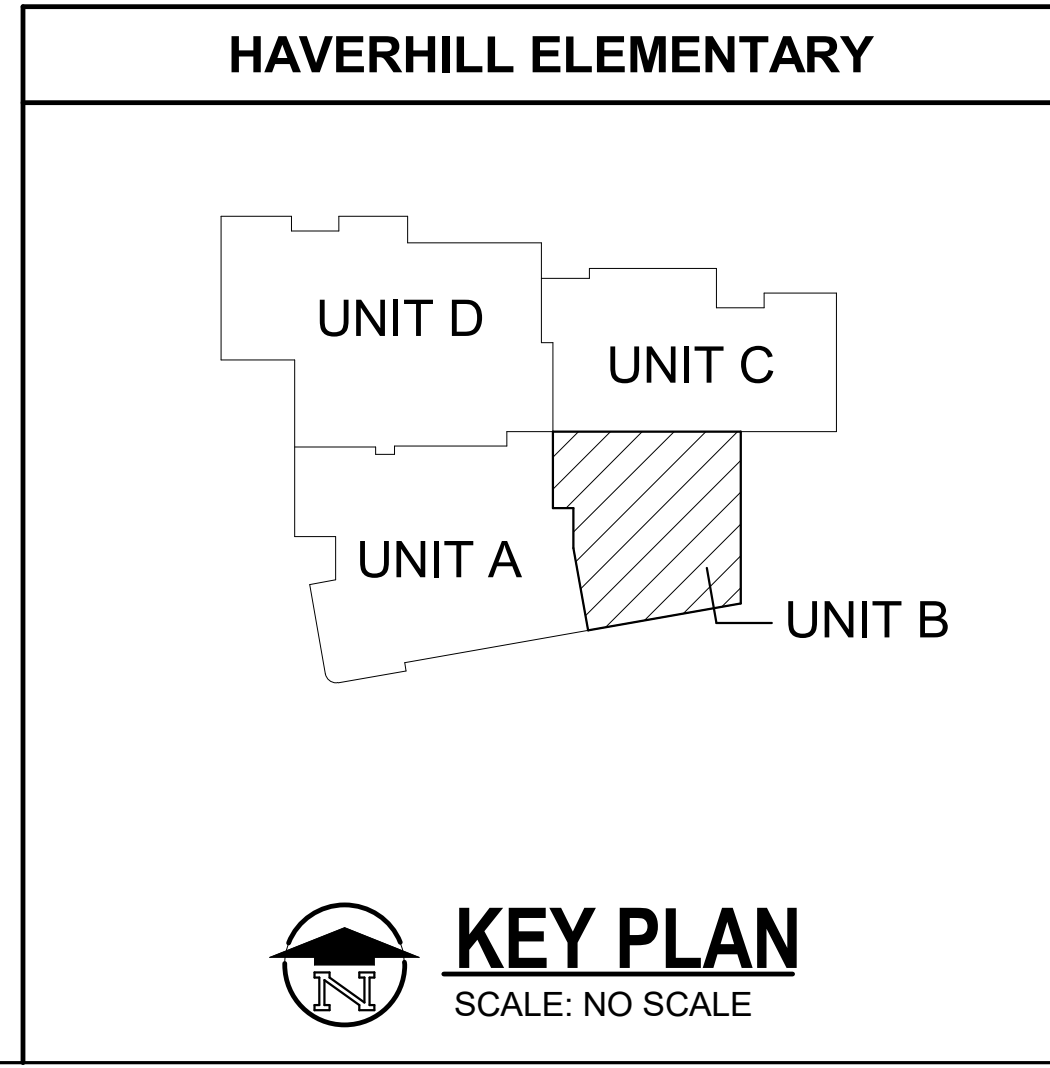
**GENERAL NOTES**

- REFER TO CODE COMPLIANCE PLAN FOR WALL RATING LINES.
- REFER TO FLOOR FINISH PLANS FOR INTERIOR ELEVATION CALLOUTS.
- REFER TO SHEET A 501 FOR WALL AND CEILING ACCESS PANEL INFORMATION.

**KEYED NOTES - NEW CONSTRUCTION**

**PROJECT TITLE**  
HAVERHILL ELEMENTARY SCHOOL  
BID PACKAGE 6: CONSTRUCTION

**OWNER**  
PORTAGE PUBLIC SCHOOLS  
Portage, Michigan



**SHEET TITLE**  
FIRST FLOOR PLAN - UNIT B

**SHEET NUMBER**  
**A 101B**  
21-237.20

**DATE**  
JUNE 19, 2023



PRELIMINARY  
NOT FOR CONSTRUCTION

ISSUED FOR DATE

PROJECT TITLE  
HAVERHILL ELEMENTARY SCHOOL  
BID PACKAGE 6: CONSTRUCTION

OWNER  
PORTAGE PUBLIC SCHOOLS

Portage, Michigan

SHEET TITLE  
FIRST FLOOR PLAN - UNIT C

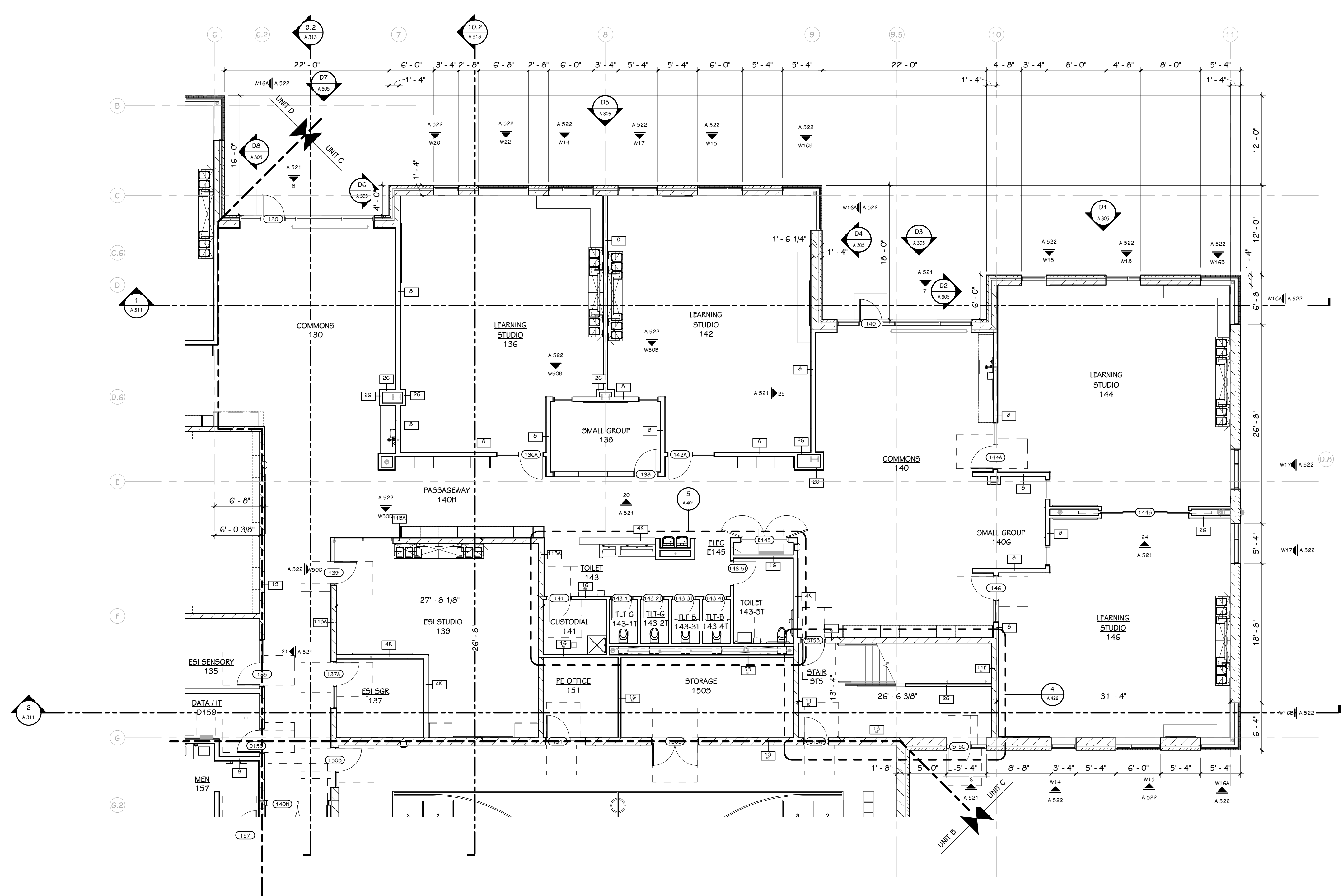
DATE  
JUNE 19, 2023

SHEET NUMBER  
**A 101C**  
21-237.20

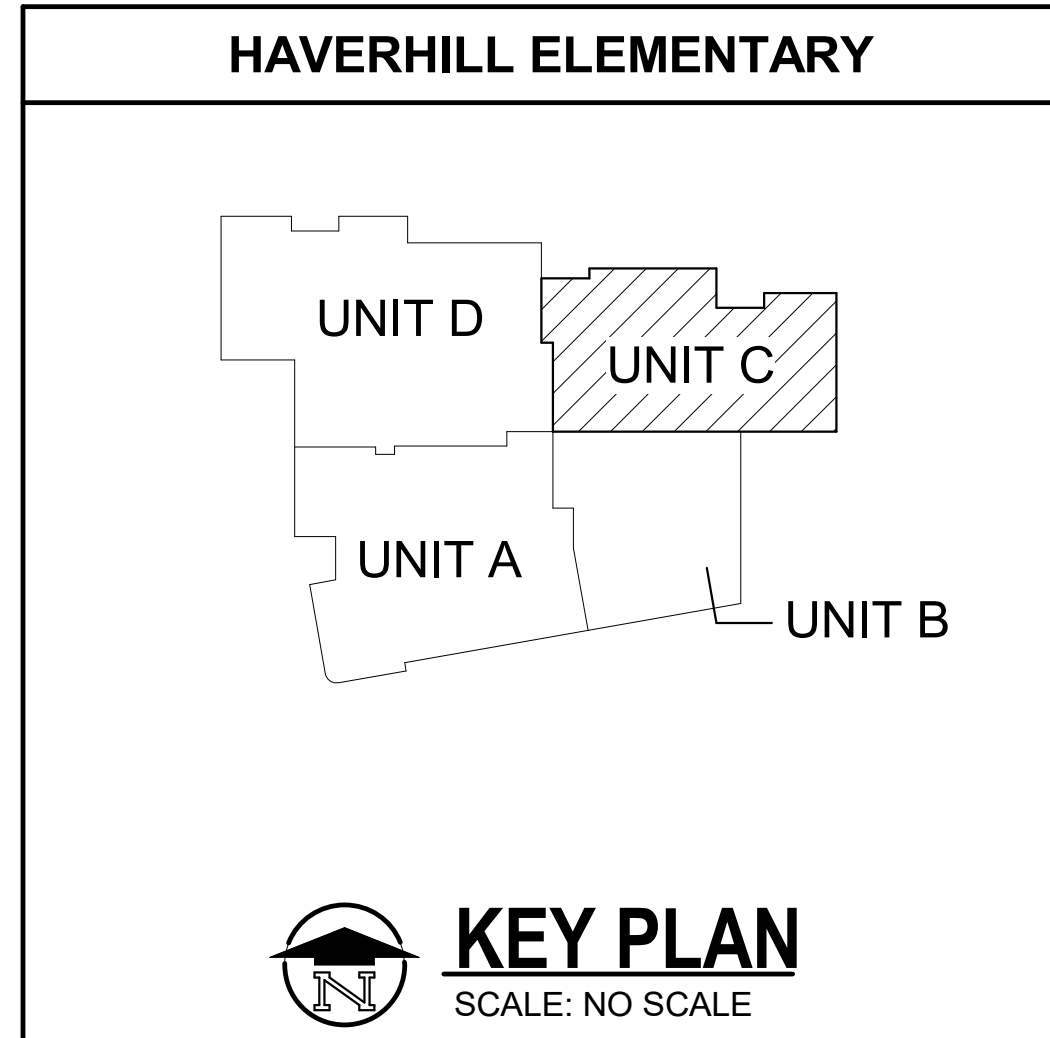
**GENERAL NOTES**

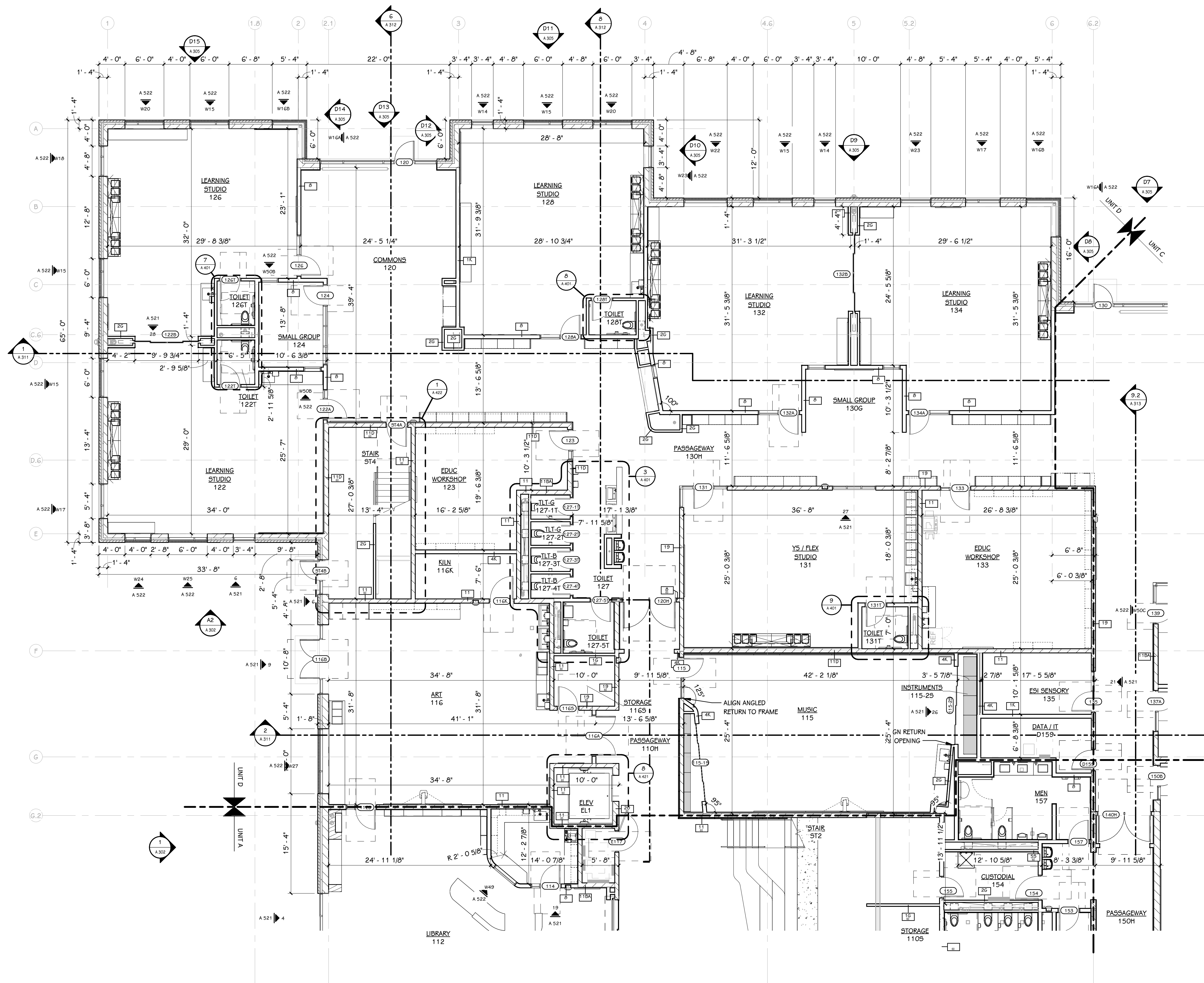
- REFER TO CODE COMPLIANCE PLAN FOR WALL RATING LINES.
- REFER TO FLOOR FINISH PLANS FOR INTERIOR ELEVATION CALLOUTS.
- REFER TO SHEET A 501 FOR WALL AND CEILING ACCESS PANEL INFORMATION.

**KEYED NOTES - NEW CONSTRUCTION**



**FIRST FLOOR PLAN - UNIT C**  
1/8" = 1'-0"





**FIRST FLOOR PLAN - UNIT D**  
1/8" = 1'-0"

**GENERAL NOTES**

1. REFER TO CODE COMPLIANCE PLAN FOR WALL RATING LINES.
2. REFER TO FLOOR FINISH PLANS FOR INTERIOR ELEVATION CALLOUTS.
3. REFER TO SHEET A 501 FOR WALL AND CEILING ACCESS PANEL INFORMATION.

**KEYED NOTES - NEW CONSTRUCTION**

**PRELIMINARY**  
NOT FOR CONSTRUCTION

ISSUED FOR \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT TITLE  
**HAVERHILL ELEMENTARY SCHOOL**  
BID PACKAGE 6: CONSTRUCTION

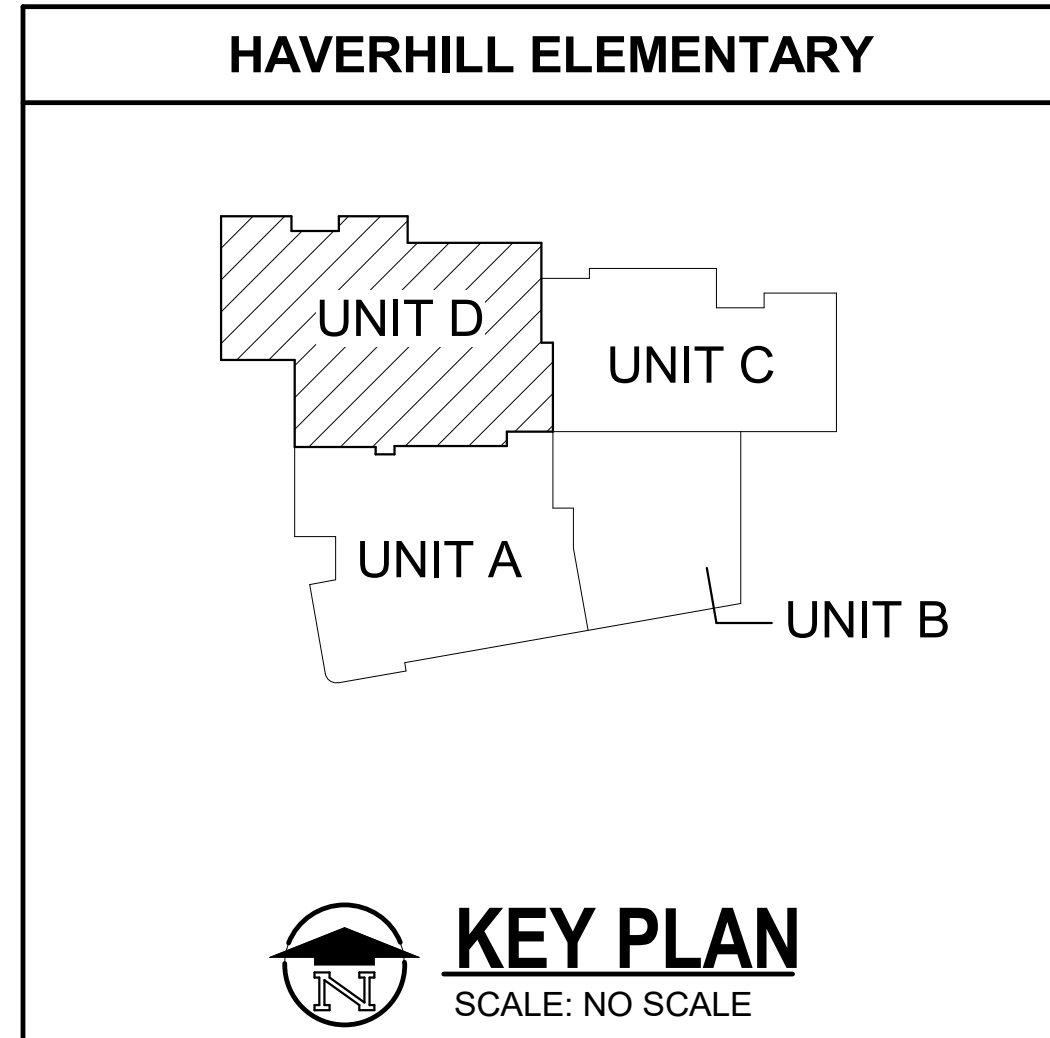
OWNER  
**PORTAGE PUBLIC SCHOOLS**

Portage, Michigan

SHEET TITLE  
**FIRST FLOOR PLAN - UNIT D**

DATE  
**JUNE 19, 2023**

SHEET NUMBER  
**A 101D**  
21-237.20





**Portage Public Schools – Haverhill Elementary School BP 5: Footings and Foundations  
Pre-Bid Meeting Minutes  
June 14<sup>th</sup>, 2023, 2:00pm**

**1. Introductions**

Johnny Edwards	Portage Public Schools
Steve Phelps	Portage Public Schools
Ron Herron	Plante Moran
Michele Rossio	TowerPinkster
Mike Galovan	TowerPinkster
Dan Rathburn	Owen-Ames-Kimball Co.
Anastasia Wojcik	Owen-Ames-Kimball Co.
Tim Robinson	Owen-Ames-Kimball Co.
Mike Hoeksema	Owen-Ames-Kimball Co.
Olivia Jensenius	Owen-Ames-Kimball Co.

**2. Safety**

- a. All roads and entrances must remain open.
- b. Contractors must follow proper safety procedures. Contractor safety manuals/books must be on-site.
- c. Contractors must provide their own first aid and fire protection equipment.
- d. Contractors are responsible for providing the necessary barricades for their work.
- e. Contractors must comply with the "Right to Know" law.
- f. Contractors are responsible for their own security.
- g. Contractors must comply with O-A-K's substance abuse policy.
- h. No Smoking on School Property.
- i. No pictures are to be taken during school hours.
- j. Contractors to stay out of occupied areas.
- k. No radios, boom boxes, I-pods, etc.... will be allowed on the construction site.

**3. Monthly Invoices**

- a. Monthly invoices must be submitted to O-A-K by the 20<sup>th</sup> of each month. Contractors must invoice on AIA forms G702 & G703.
- b. There will be a 10% retainage on invoices. Any reduction in retainage of this Contract shall be in the sole discretion of the Owner, and the Owner reserves the right to restore the retainage to its full contract amount in the event the Owner believes that retainage restoration is desirable. Once the contract is 50% or more complete the contractor may request that retainage be locked at 5% of the total contract.
- c. If contractors' invoice for stored material not stored on-site, the invoice must be accompanied with an insurance certificate for that material and photos.
- d. Performance and payment bonds, as well as certificates of insurance, must be on file prior to receiving progress payments.

**4. Insurance**

- a. Contractors must provide insurance certificates as per specifications. Insurance certificates must indicate the Owner, Architect, and C.M. as additional insured on a per project basis.
- b. Contractors must provide a 30 days notice of cancellation.
- c. Insurance must be on file 10 days after receipt of Notice of Pending Award.

**5. Testing, Permits, Inspections**

- a. Testing will be by the Owner.
- b. All necessary permits and inspections are the responsibility of each contractor.

**6. Site Constraints**

- a. Maintaining a clean site is mandatory.
- b. Construction traffic to use designated access roads only.
- c. Construction trailers and staging will be coordinated with OAK Superintendent – Tim Robinson

**7. Temporary Services**

- a. Temporary toilet facilities will be supplied by the Owner.
- b. Existing electrical services will be available for use. Contractors are to provide their own GFI protection.
- c. Existing water services will also be available for use.

**8. Layout**

- a. Each contractor is responsible for their own layout, the C.M. will assist.

**9. Bid Forms**

- a. Contractors are reminded to fill in all required items on the bid forms.
- b. If there are costs associated with an alternate, it must be listed on the bid form.
- c. Voluntary Alternates are encouraged - list accordingly on the bid form.
- d. Fill out all unit prices that pertain to your bid category.
- e. Familial Disclosure Statement must be signed and notarized.
- f. Bids shall be submitted for the complete project (all phases).

**10. Shop Drawings and Submittals:**

- a. All correspondence must be addressed to:  
Deb King  
Owen-Ames-Kimball Co.  
300 Ionia Ave NW  
Grand Rapids, MI 49503  
E-mail: debk@oakmi.com
- b. Contractors are required to send and receive submittals and shop drawings electronically. All Submittals will be returned electronically.
- c. Successful bidders maybe asked in the "Notice of Pending Award" to submit manpower and shop drawing schedule.

**11. Document Questions**

- a. All questions regarding the bid documents, schedule, or procedure must be addressed to Danr@oakmi.com
- b. Requests for Information must be submitted by June 15<sup>th</sup>, 2023, noon. If an RFI is received after the cutoff period, it will not be answered prior to the bid date. RFI's will be answered in Addendum #1.
- c. All Pre-Bid RFI's are to be emailed to [danr@oakmi.com](mailto:danr@oakmi.com) Please do not submit RFI's through building connected.

**12. Addenda**

- a. Addendum # 1 will include the pre-bid meeting minutes.

**13. Schedules / Key Topics:**

- a. Start date is 9/4/2023
- b. Footings complete date is 11/24/2023



**14. Bid Details**

- a. Wednesday, June 21<sup>st</sup> until noon local time. All bids received after noon will be rejected.
- b. Bids may be mailed to Owen-Ames-Kimball Co. Kalamazoo by noon.
- c. If you would like to drop off bids to the offices of Owen-Ames-Kimball Co., they must be received by 12:00 PM June 21<sup>st</sup>, 2023.
- d. Bids may be brought to the bid opening and delivered to an O-A-K representative.
- e. FAXED, EMAILED OR UPLOADED TO BUILDING CONNECTED BIDS WILL NOT BE ACCEPTED
- f. Bid Bonds / Certified Checks
- g. Bids will be read publicly at 2:00 pm local time, Wednesday, June 21<sup>st</sup>, 2023 at Portage Central High School, Auditorium 8135 S. Westnedge Ave, Portage, MI 49002.

**15. General Notes**

- a. Each bidder must submit their bid per the plans, specifications, and construction management booklet. If your bid varies from these documents, you must submit the variance as a voluntary alternate with your base bid matching the bid documents.
- b. Each contractor must supply sufficient manpower.
- c. Storage will be allowed on site for each phase of construction only while in construction.
- d. The schedule does not change if alternates are accepted.

**16. Future Projects**

- a. Haverhill Elementary School – Construction package will be out to bid from July 17<sup>th</sup> – August 28<sup>th</sup>

**17. Site Visit**

- a. Will immediately follow today's pre-bid.

**18. Comments and Questions**

Thank you for attending. Good luck with your bid!

**Attendance:**

Dendel Craven – Choice Concrete