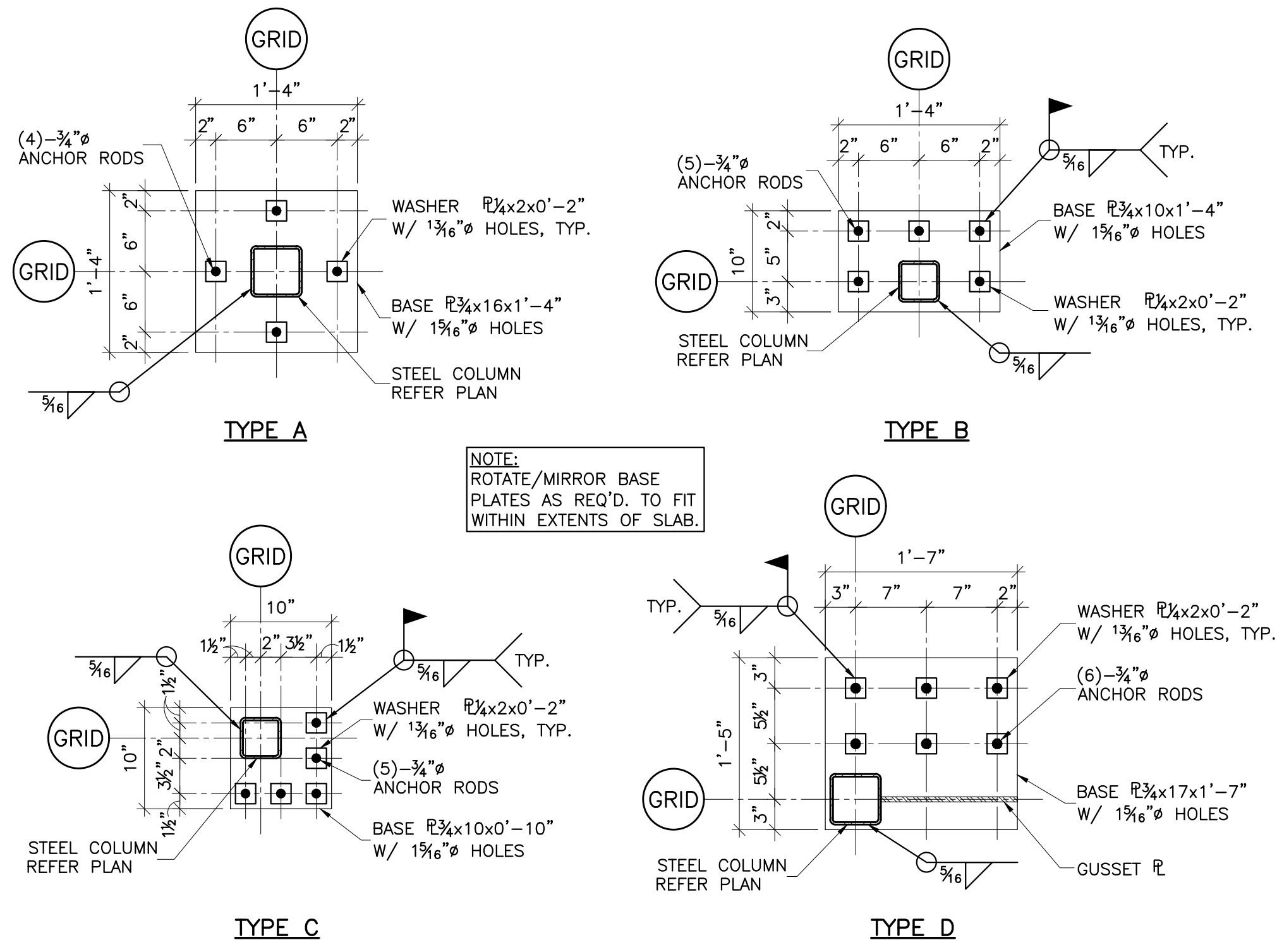


**1 TYP. ISOLATION JOINT DETAILS**  
SCALE: NONE

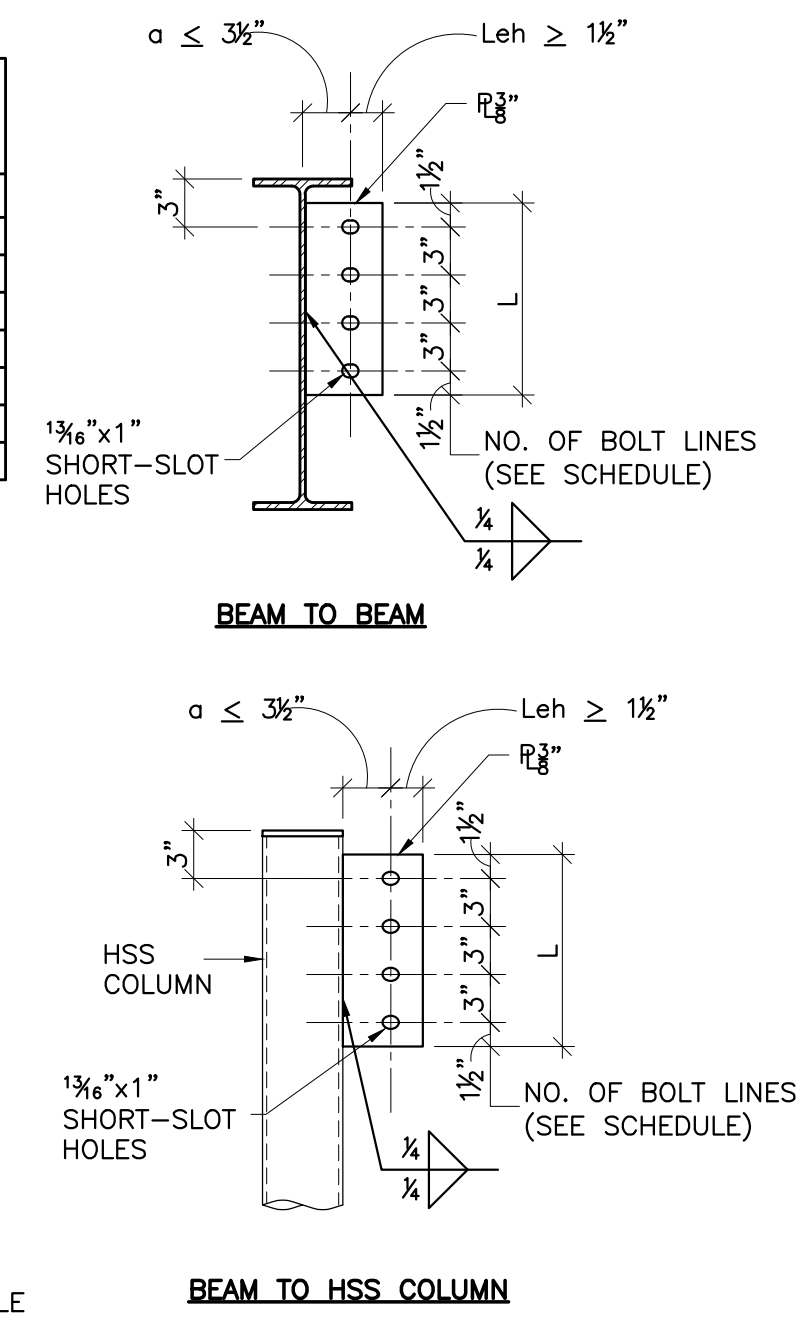


**2 BASE PLATE DETAILS**  
SCALE: NONE

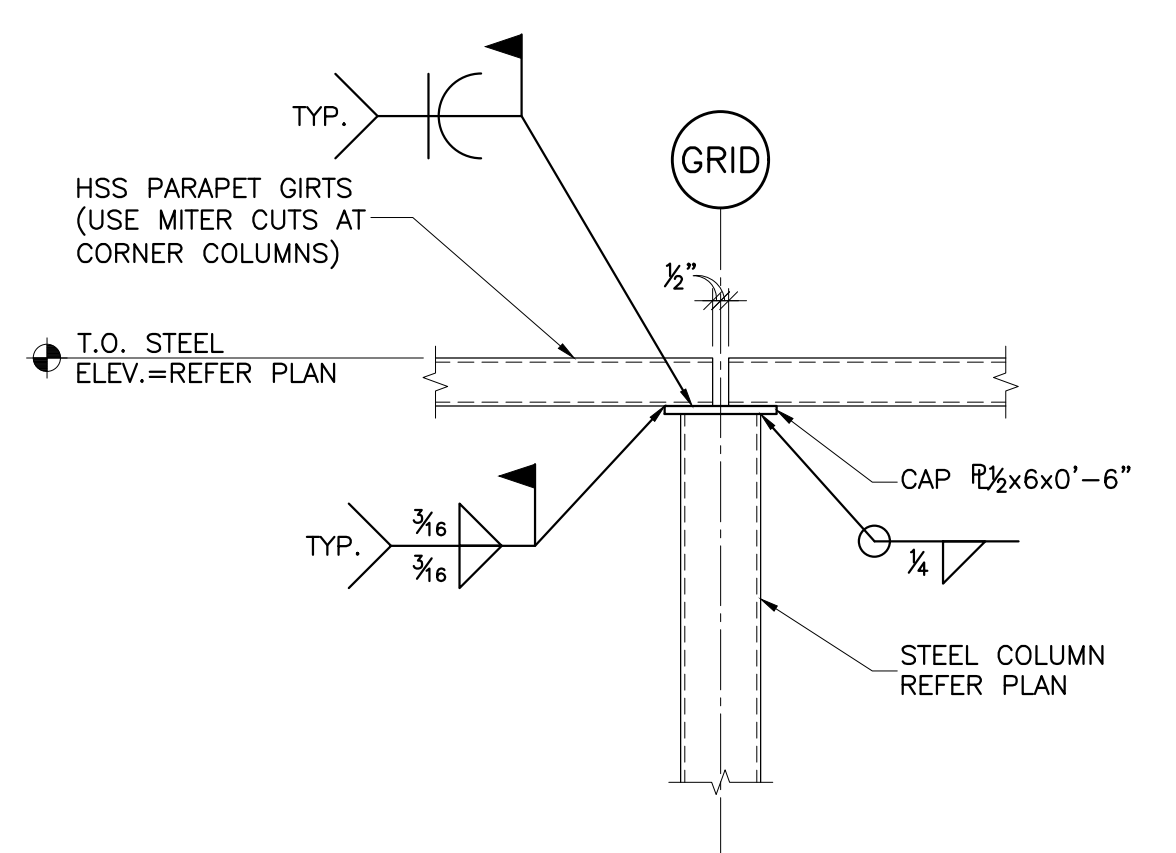
3/4" A325-N BOLT SCHEDULE FOR SINGLE PLATE SHEAR TAB CONNECTIONS (FACTORED LOADS)

END REACTION	NO. OF BOLTS
0 THRU 24.8 KIPS	2-3/4"
24.9 THRU 43.4 KIPS	3-3/4"
43.5 THRU 62.5 KIPS	4-3/4"
62.6 THRU 81.3 KIPS	5-3/4"
81.4 THRU 100 KIPS	6-3/4"
101 THRU 118 KIPS	7-3/4"
119 THRU 137 KIPS	8-3/4"

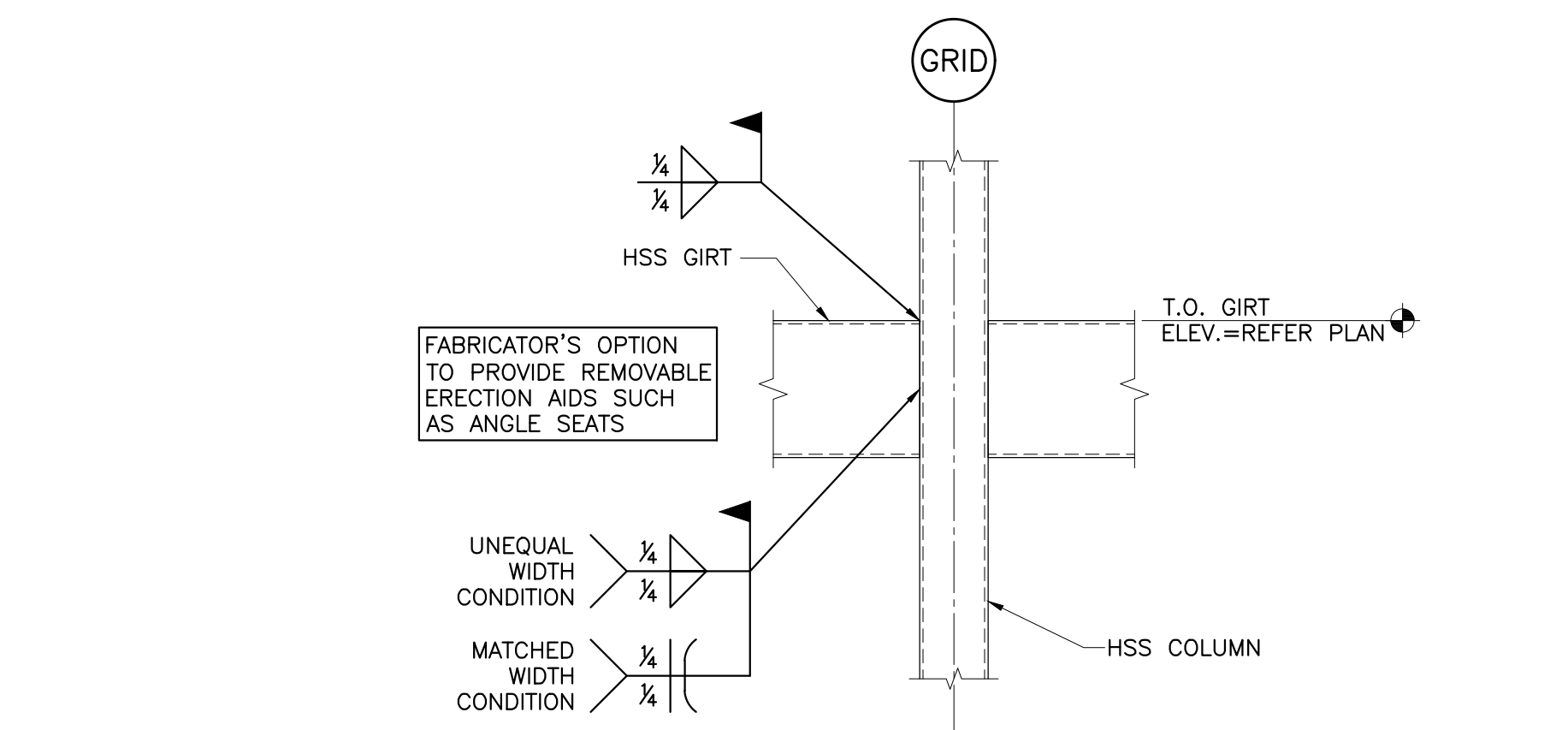
- NOTES:
- VALUES SHOWN ARE APPLICABLE FOR SINGLE PLATE SHEAR TAB CONNECTIONS
  - SEE PLAN FOR END REACTIONS
  - L = PLATE LENGTH ≥ 1/2 OF CONNECTED BEAM.
  - AT HSS OR PIPE COLUMNS, A THROUGH-PLATE WITH EQUAL WELD ON THE BACK SIDE OF THE COLUMN IS REQUIRED UNDER EITHER OF THE FOLLOWING CIRCUMSTANCES:
    - A. FOR SQUARE OR RECTANGULAR HSS: WHEN  $\frac{R_u}{0.85F_y} > 35.1$
    - B. FOR ROUND HSS OR PIPE: WHEN  $\frac{R_u}{F_y} > \frac{3.190}{F_y}$
- WHERE:
- B = NOMINAL COLUMN WIDTH ACROSS THE COLUMN FACE WITH THE SINGLE PLATE CONNECTION, IN.
  - D = OUTSIDE DIAMETER OF ROUND HSS OR PIPE, IN.
  - t = NOMINAL THICKNESS OF COLUMN, IN.
  - F<sub>y</sub> = YIELD STRENGTH OF COLUMN, KSI



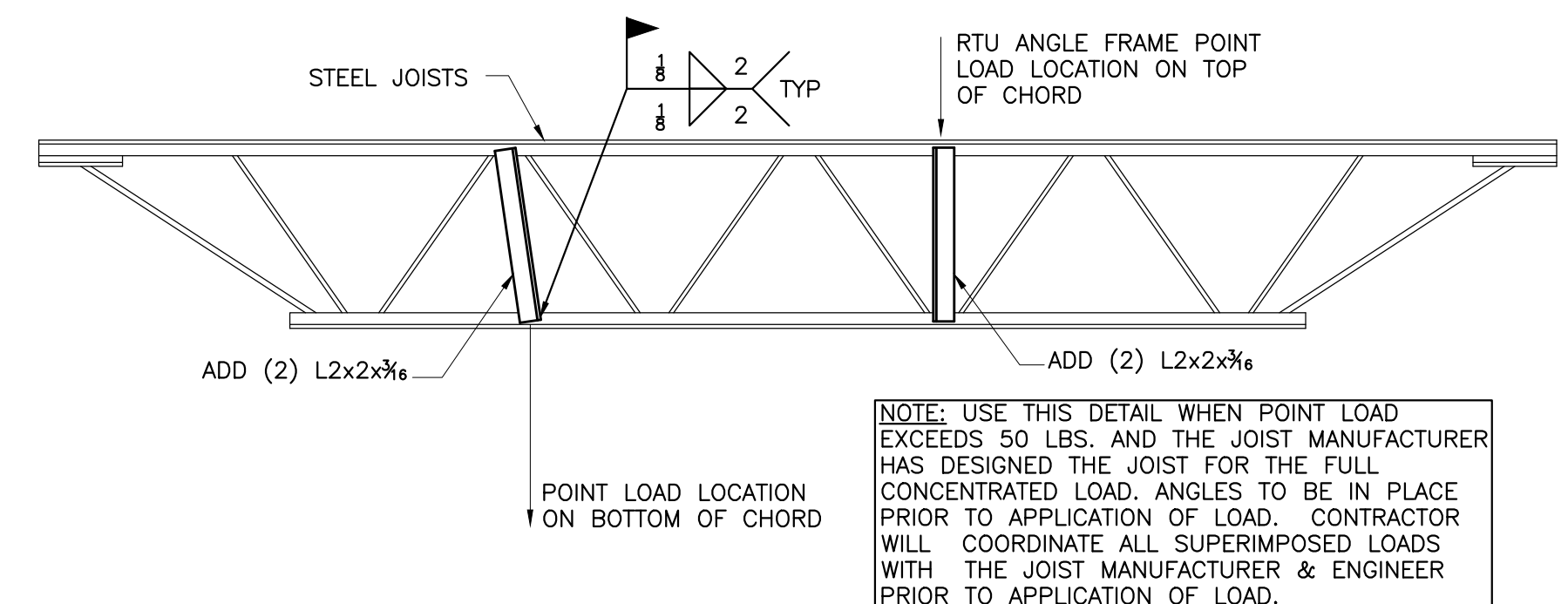
**3 SINGLE PLATE SHEAR TAB CONNECTIONS (LRFD-AISC 14TH EDITION MANUAL)**  
SCALE: NONE



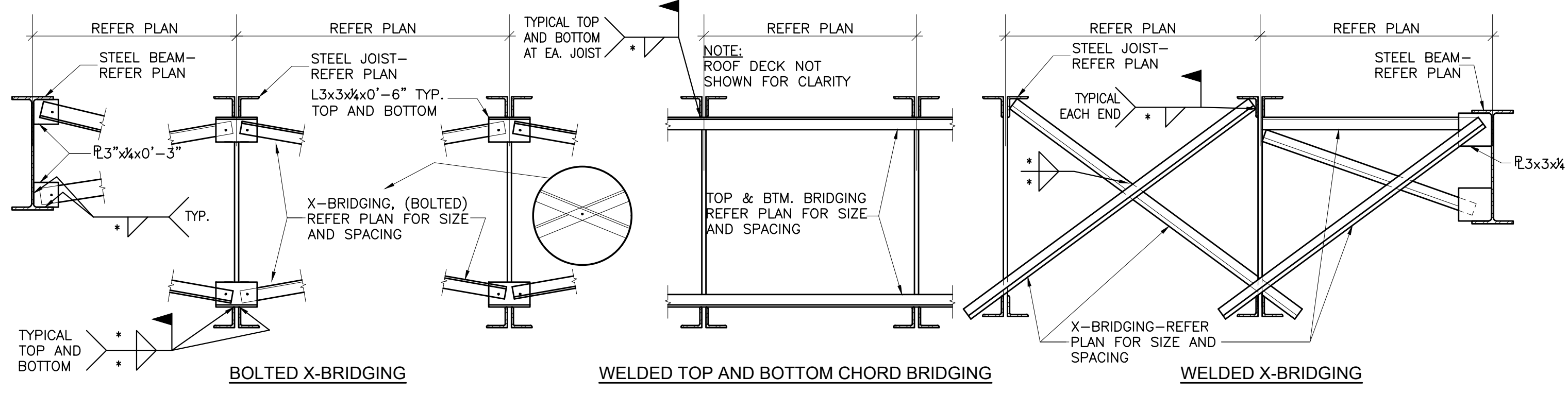
**4 TYP. PARAPET GIRTS TO COLUMN**  
SCALE: NONE



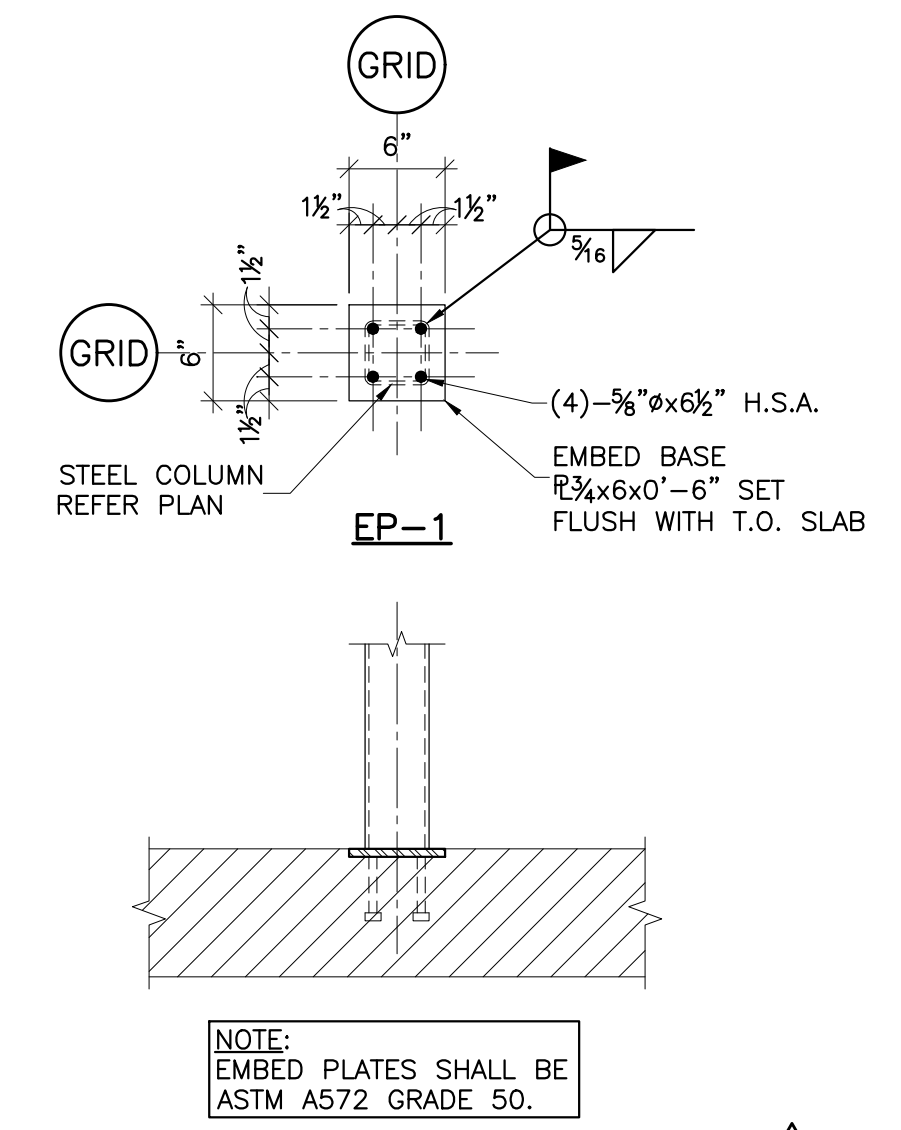
**5 TYP. HSS GIRTS TO HSS COLUMN CONN.**  
SCALE: NONE



**6 BRACING DETAIL FOR STEEL JOISTS W/ POINT LOADS**  
SCALE: NONE



**7 TYP. BRIDGING DETAILS AT JOISTS**  
SCALE: NONE



**8 EMBED PLATE DETAILS**  
SCALE: NONE

**AGP**  
the Abila Griffin Partnership L.L.C.

201 N. BROADWAY  
SUITE 210  
MOORE, OK. 73160  
405.735.3477  
AGP@theAGP.net  
www.theAGP.net

KFC ENGINEERING  
STRUCTURAL

SALAS O'BRIEN  
MECHANICAL / ELECTRICAL



CJC  
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BWB  
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MARCH 2023  
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revisions

1 CB-1 02/21/2024

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ADDITION -  
SOUTHGATE  
ELEMENTARY SCHOOL

sheet no:

**S103**

**KFC engineering**  
Kirkpatrick Forest Curtis PC  
Structural Engineering  
OK CA #3888, EXP. 06/30/25  
525 Central Park Drive, Suite 202  
Oklahoma City, OK 73165  
405.528.4596 | kfcengr.com

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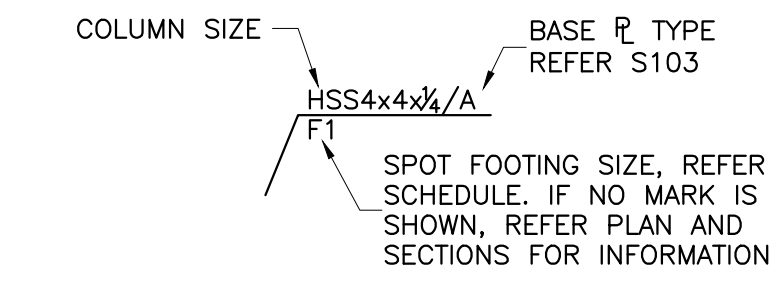
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ADDITION -  
SOUTHGATE  
ELEMENTARY SCHOOL

sheet no:

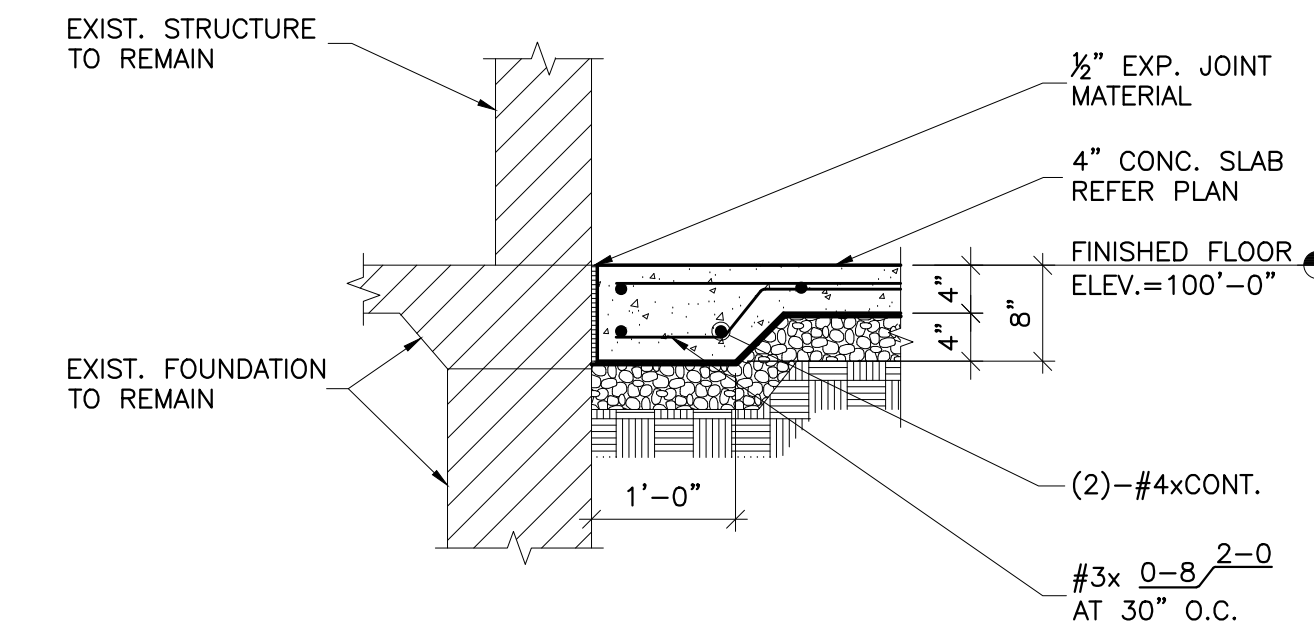
## S201

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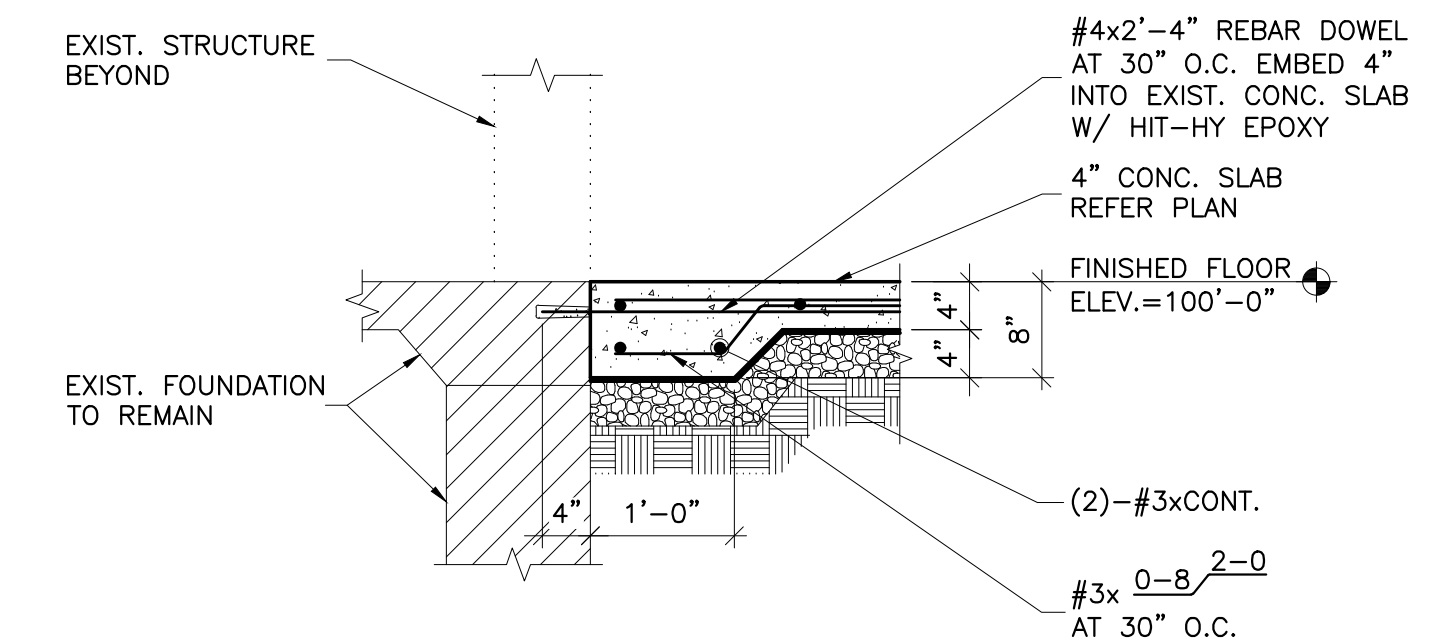
### FOUNDATION PLAN LEGEND:



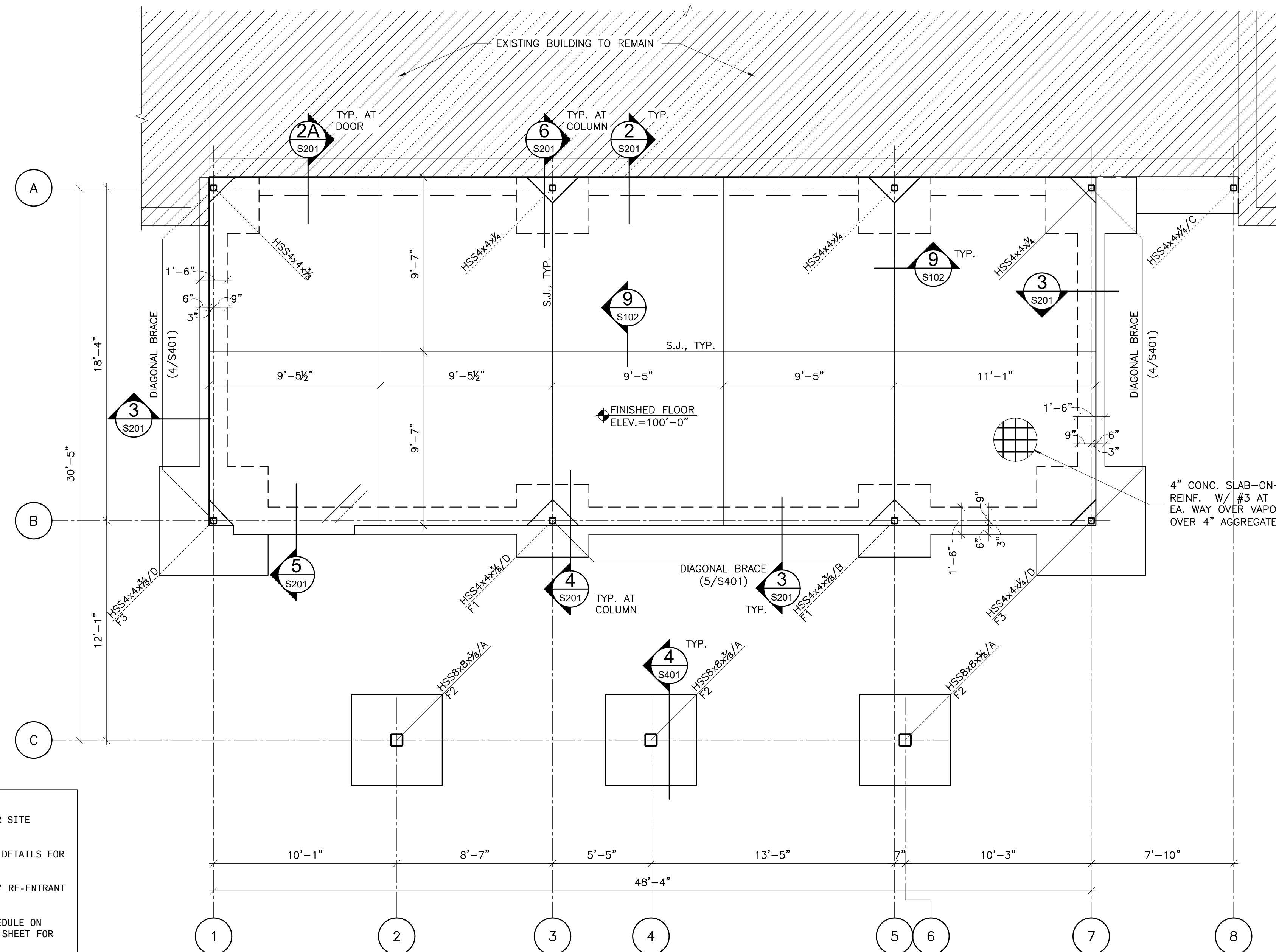
MARK	SIZE		DEPTH	REINFORCEMENT
	WIDTH	LENGTH		
F1	4'-0"	4'-0"	2'-0"	(5) -#5 TOP AND BOTTOM EA. WAY
F2	5'-0"	5'-0"	2'-0"	(6) -#5 TOP AND BOTTOM EA. WAY
F3	6'-0"	6'-0"	2'-0"	(7) -#5 TOP AND BOTTOM EA. WAY



**2 SECTION**  
S201 SCALE: 3/4"=1'-0"

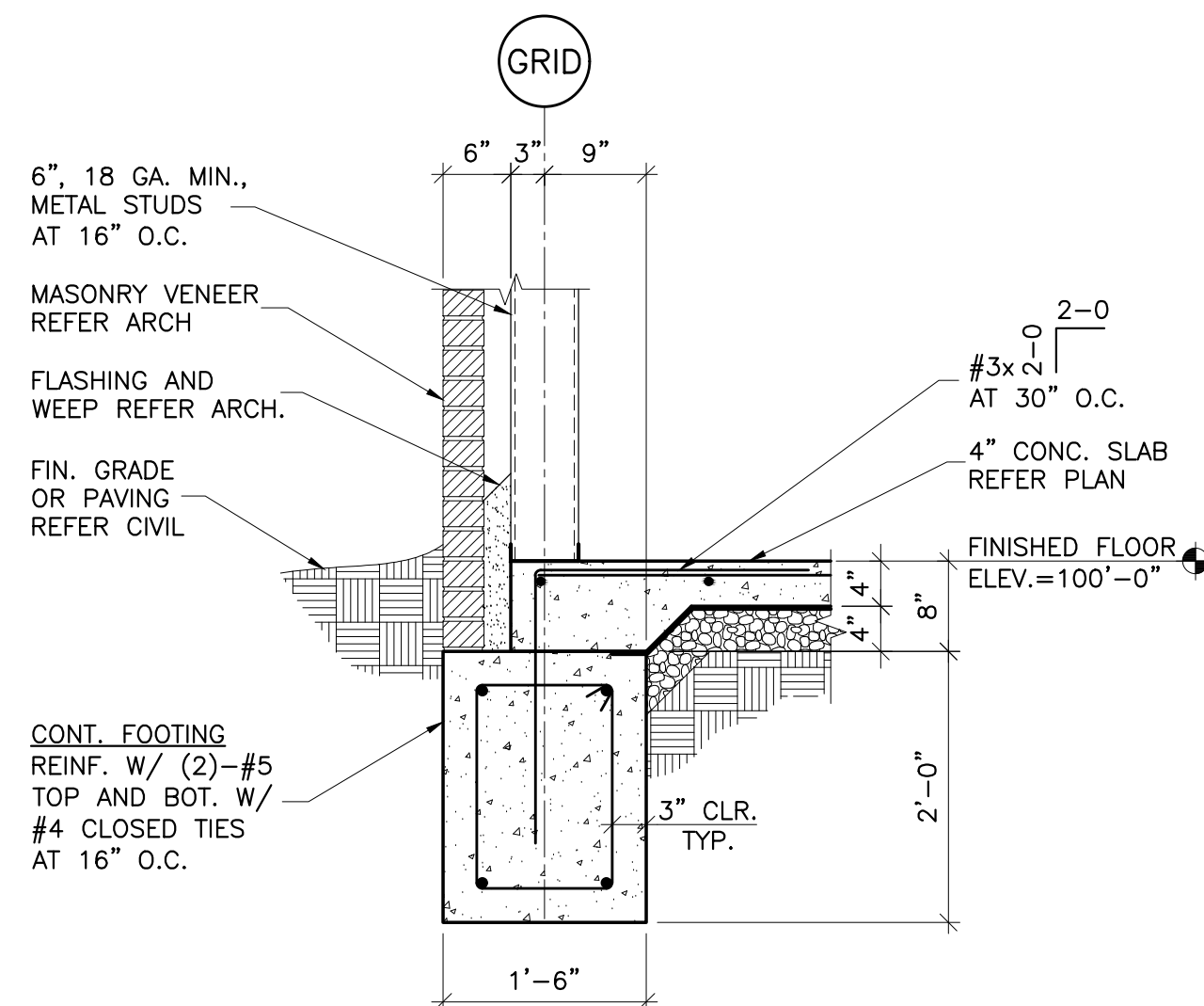


**2A SECTION**  
S201 SCALE: 3/4"=1'-0"

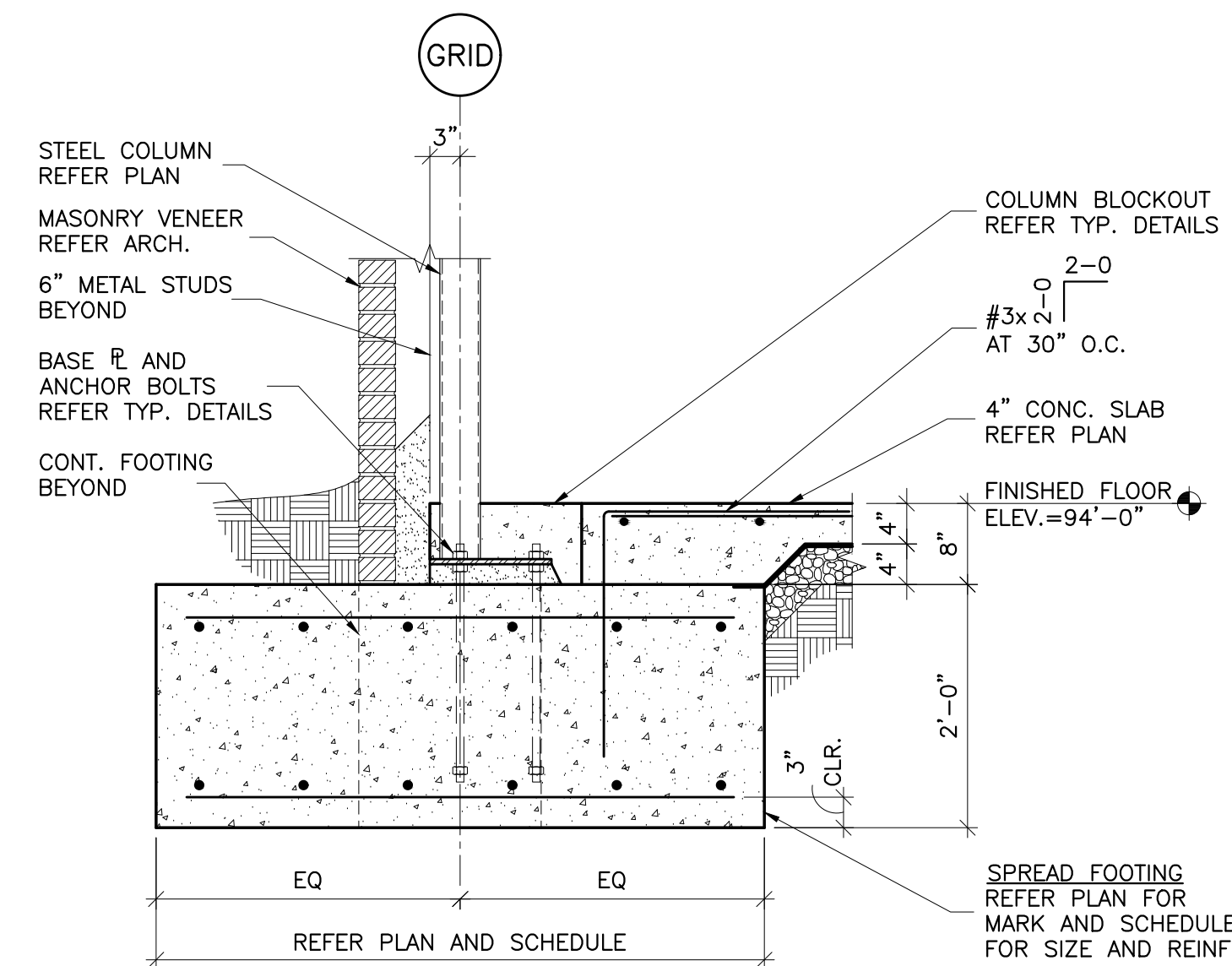


**1 FOUNDATION PLAN**  
S201 SCALE: 1/4"=1'-0"

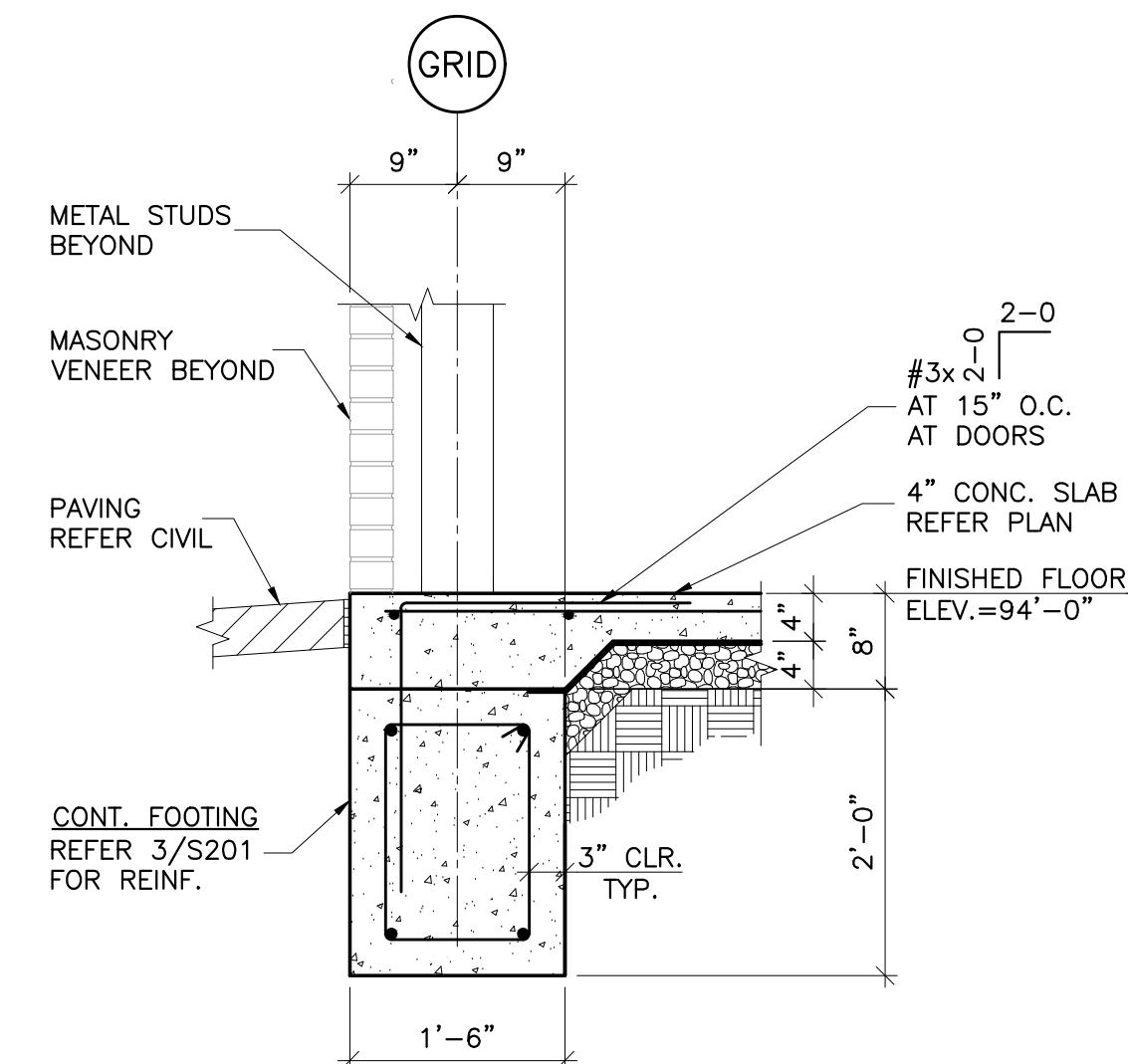
- FOUNDATION PLAN NOTES:**
- REFER TO GENERAL NOTES FOR SITE SUBGRADE PREPARATION.
  - REFER TO TYPICAL CONCRETE DETAILS FOR ADDITIONAL INFORMATION.
  - REPRESENTS (2) #4x4'-0" RE-ENTRANT CORNER REINFORCING BARS.
  - REFER REINFORCING LAP SCHEDULE ON TYPICAL FOUNDATION DETAIL SHEET FOR LAP LENGTHS.
  - F.D. INDICATES FLOOR DRAINS. REFER PLUMBING DRAWINGS.



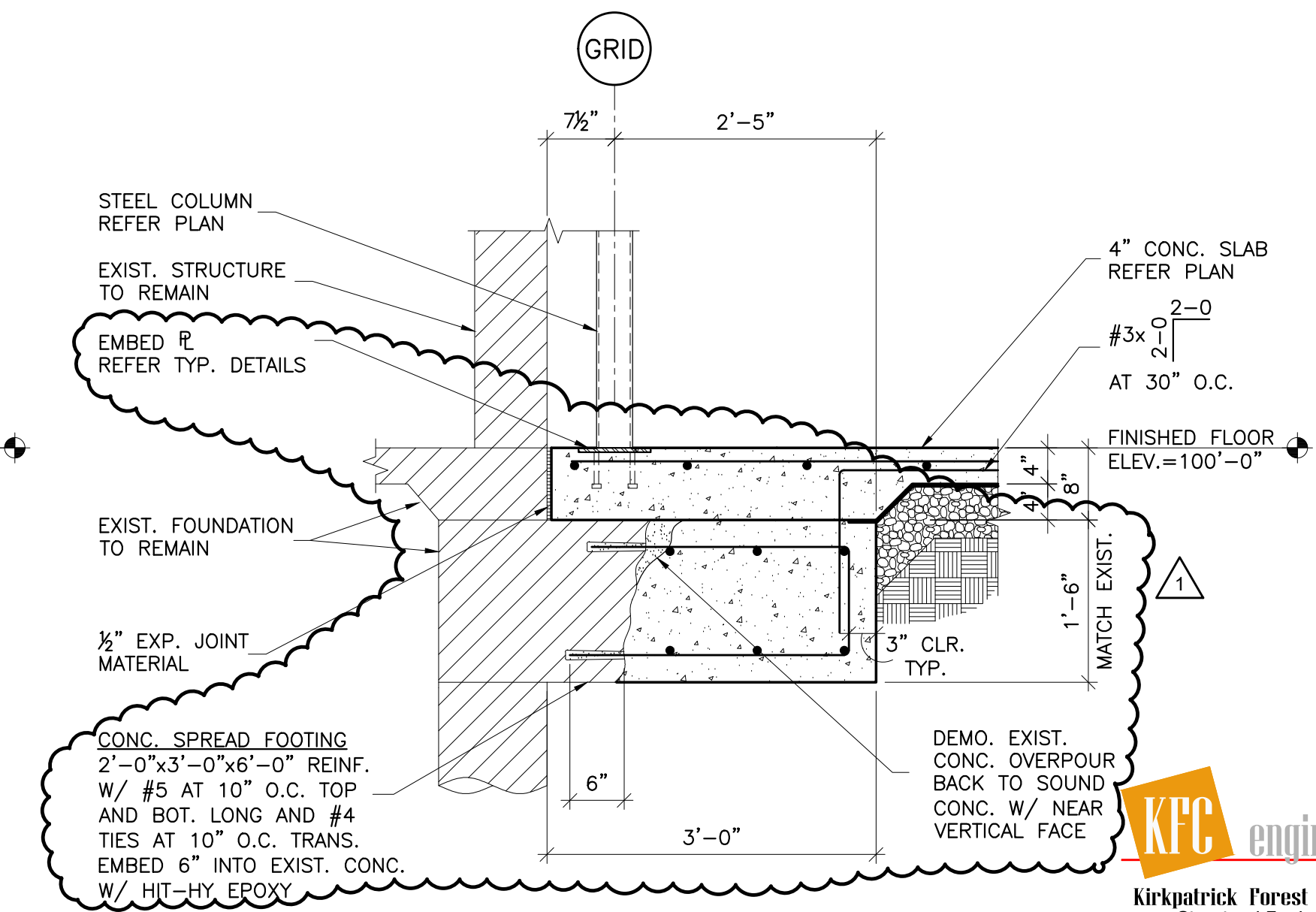
**3 SECTION**  
S201 SCALE: 3/4"=1'-0"



**4 SECTION**  
S201 SCALE: 3/4"=1'-0"



**5 SECTION**  
S201 SCALE: 3/4"=1'-0"



**6 SECTION**  
S201 SCALE: 3/4"=1'-0"

