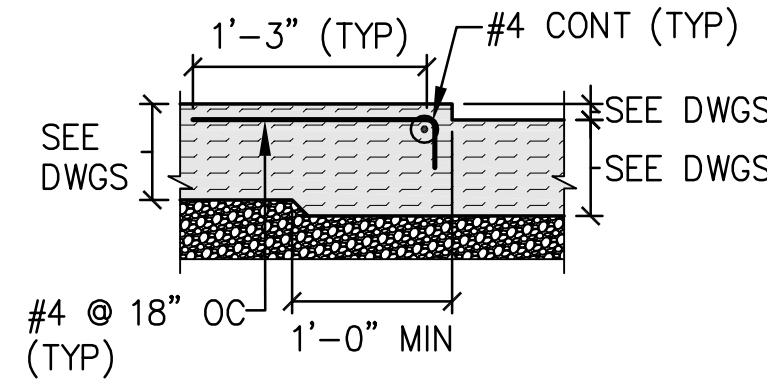
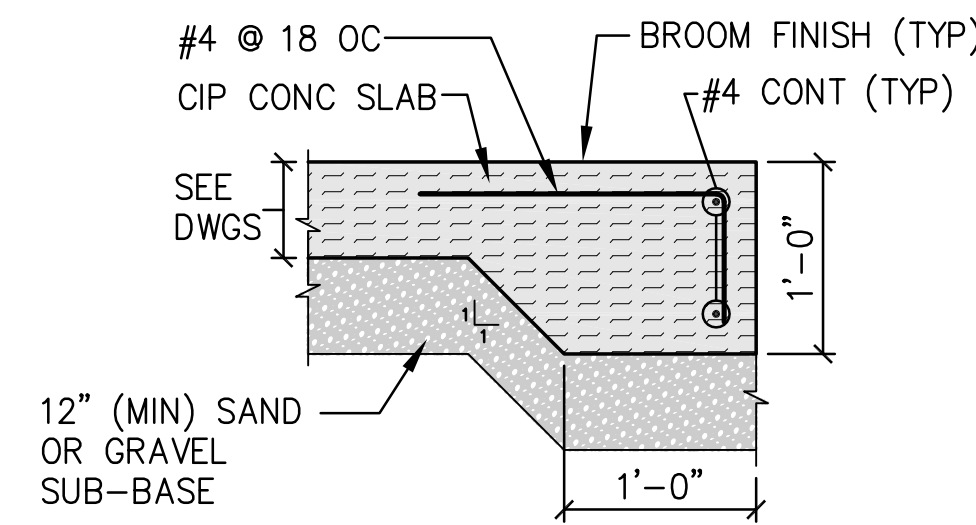


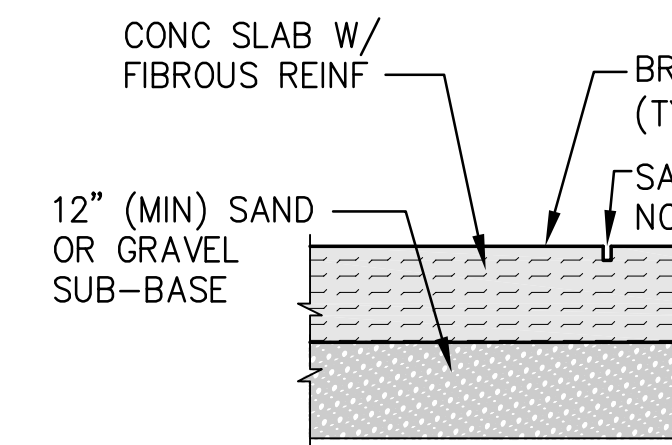
TYPICAL CONC CURB DETAIL
1'-1'-0"



DEPRESSED SLAB ON GRADE
1'-1'-0"

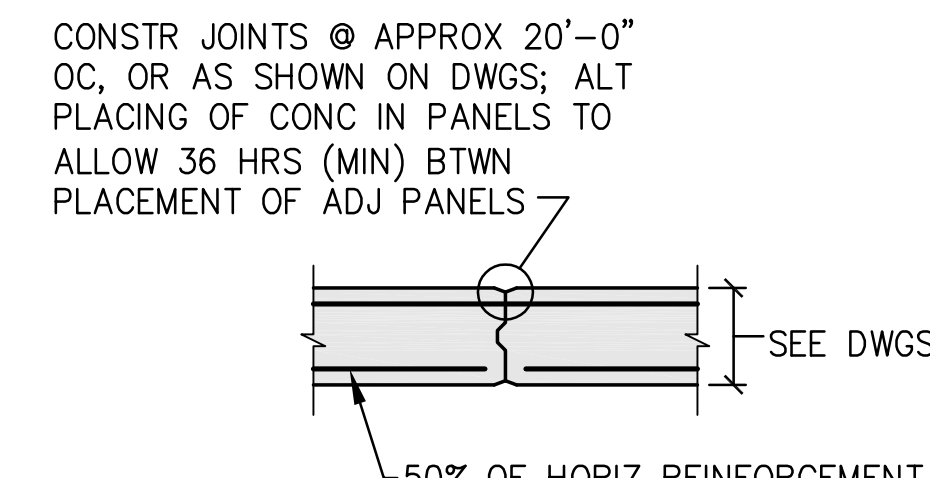


SLAB-ON-GRADE EDGE DETAIL
1'-1'-0"



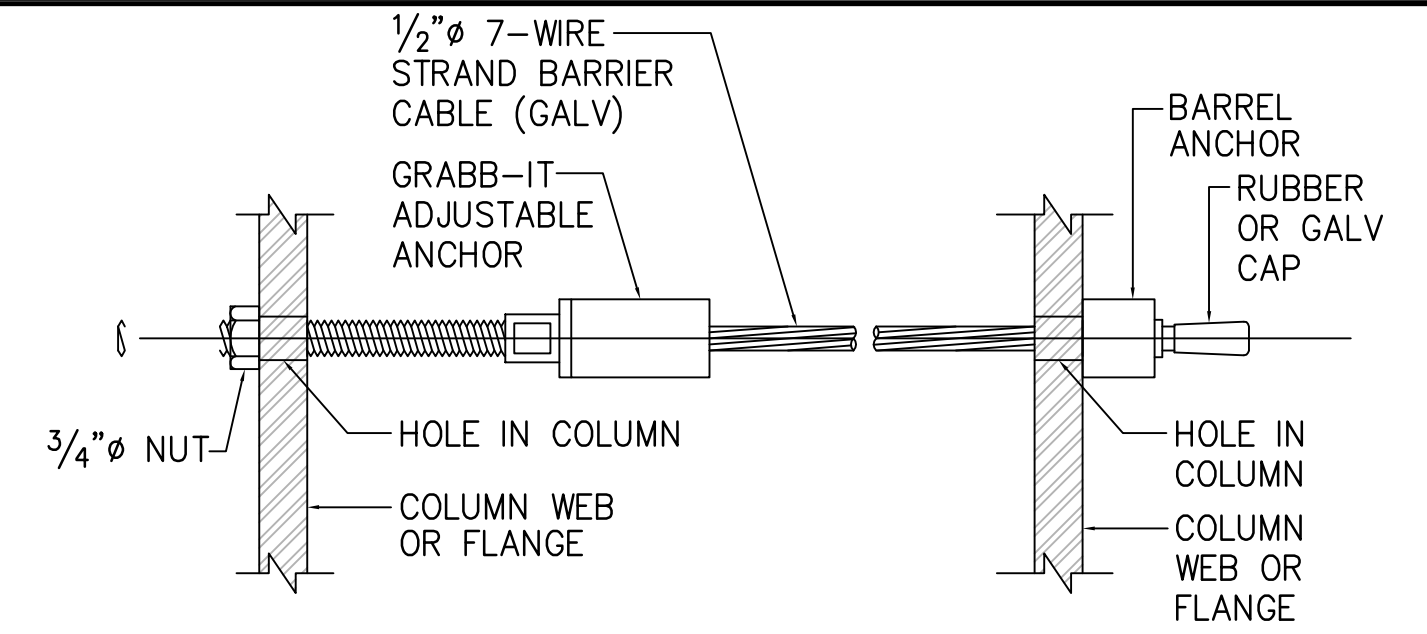
NOTES:
1. FOR SLAB ON GRADE SAW CUT REQUIREMENTS, SEE GENERAL NOTES AND PLANS. SAW CUTS SHALL BE MADE AS SOON AS THE CONCRETE IS CAPABLE OF SUPPORTING THE WEIGHT OF THE SAW PLUS THE OPERATOR.
2. FOR SUB-BASE REQUIREMENTS, SEE GEOTECHNICAL REPORT.

TYPICAL SLAB-ON-GRADE
1'-1'-0"



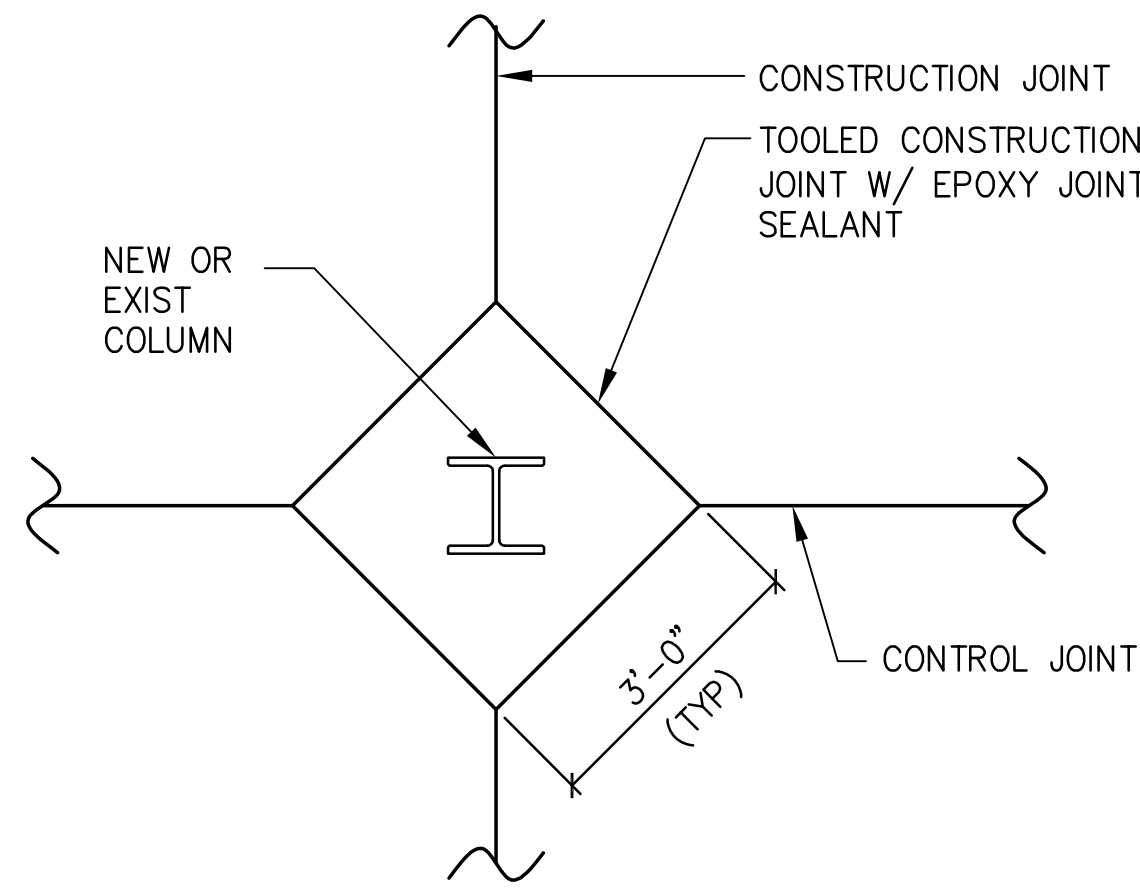
NOTE: PROVIDE SIM DETAIL AT CONTROL JOINTS

CONSTRUCTION JOINT IN CONC WALL
1'-1'-0"

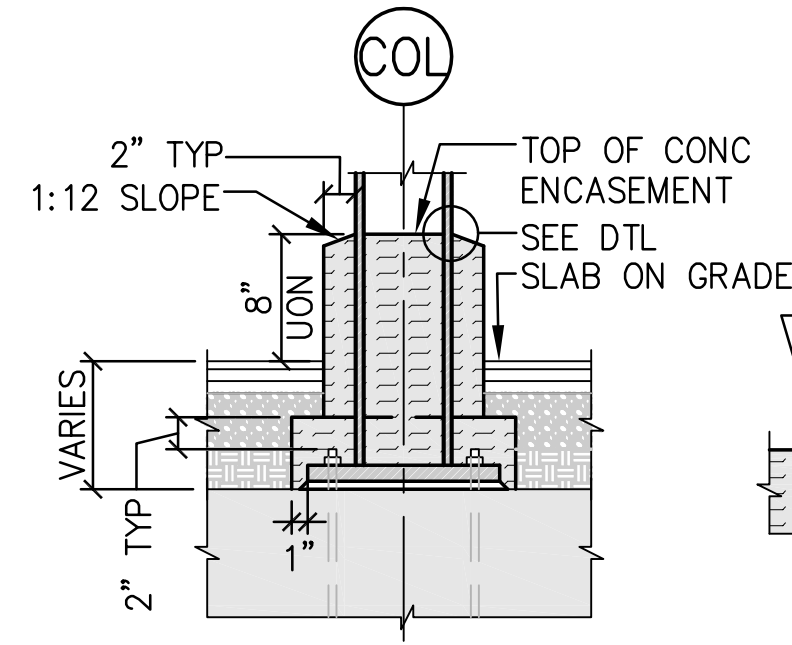


NOTE: ADJUST CABLE AFTER INITIAL RELAXATION OF STRANDS AND AS NECESSARY.

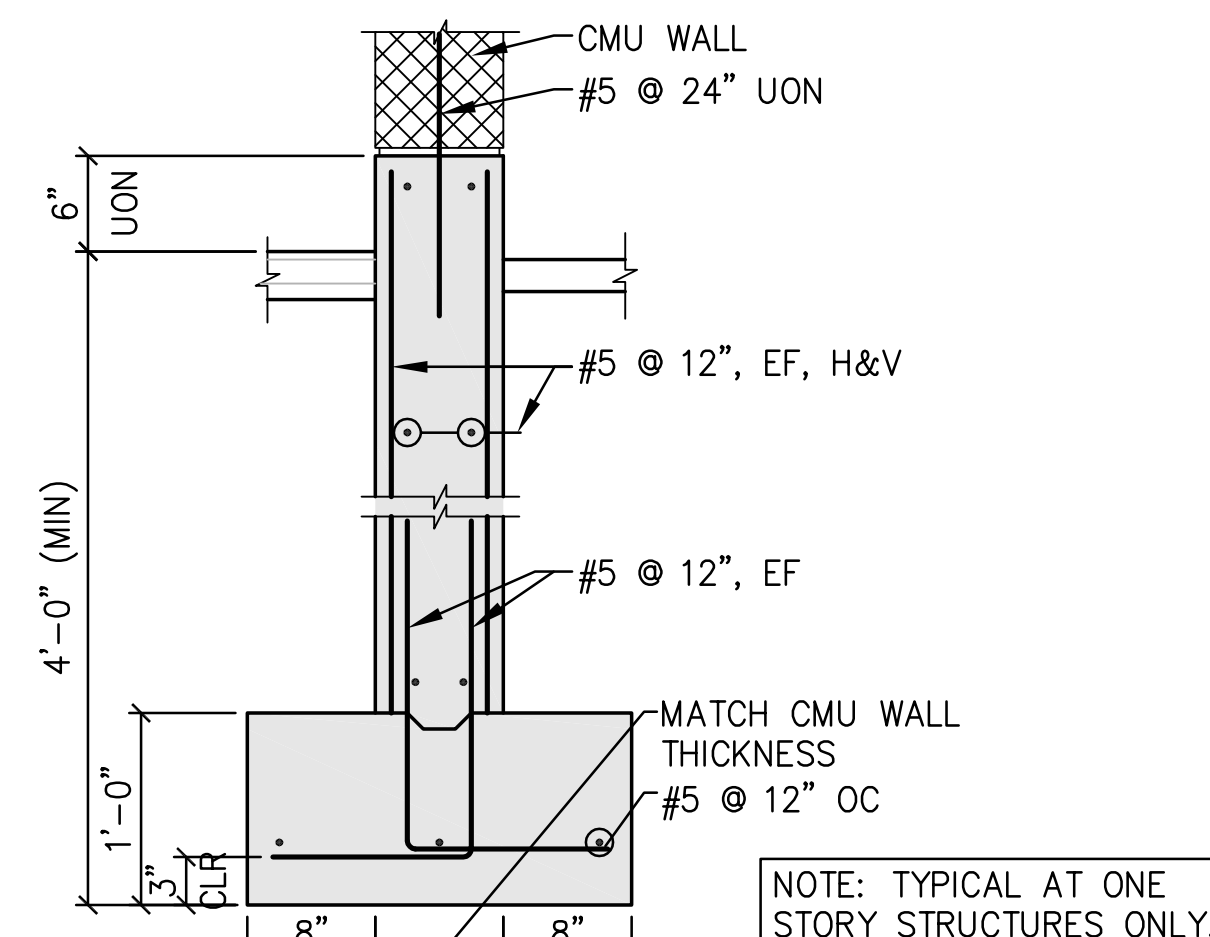
BARRIER CABLE ANCHORAGE DETAILS
NTS



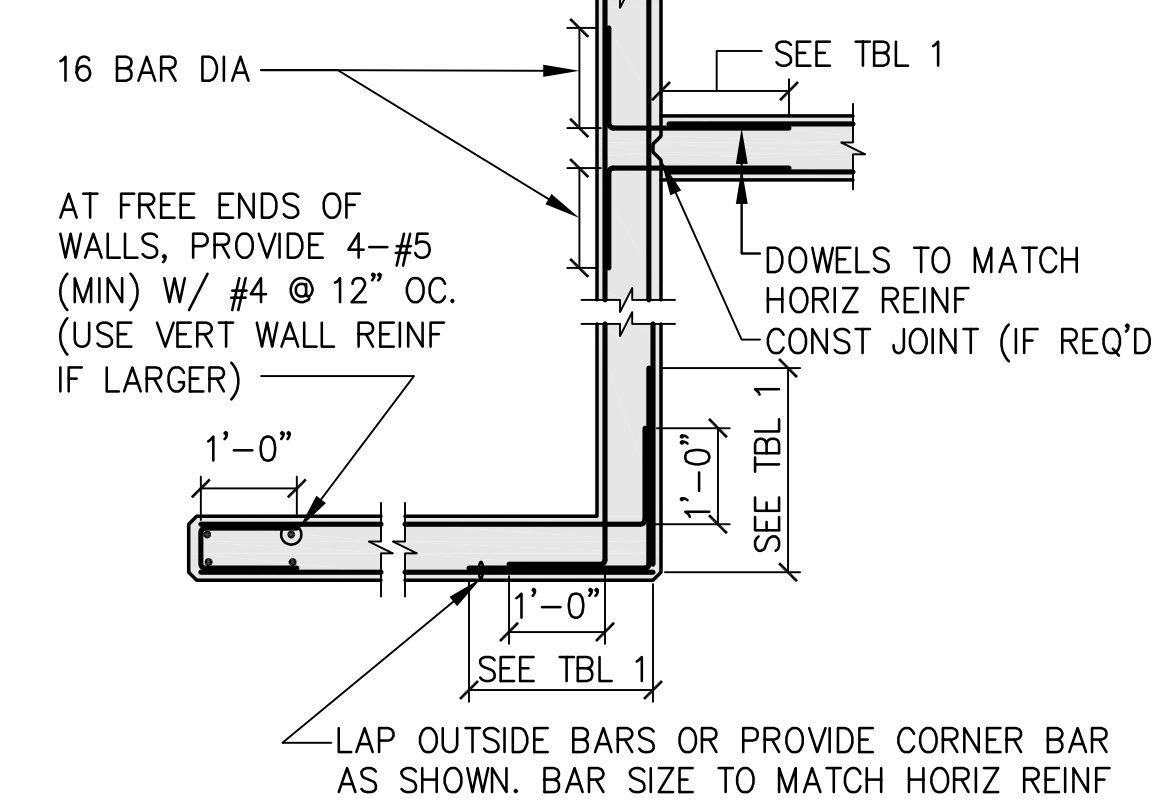
TYPICAL COLUMN ISOLATION JOINT DETAIL
1/2"=1'-0"



TYPICAL CONC COLUMN ENCASEMENT
1'-1'-0"

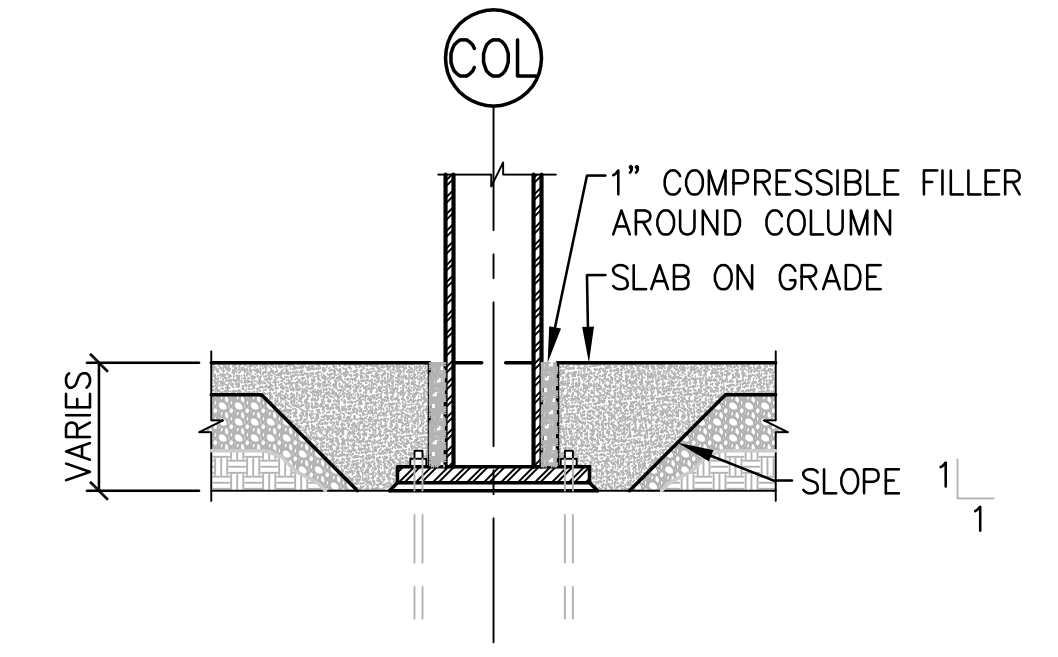


TYPICAL CMU WALL FOUNDATION
1'-1'-0"



NOTE: SEE PLANS AND DETAILS FOR CONSTRUCTION JOINT LOCATIONS AND SPACING

TYP FOUNDATION PART PLAN
1/2"=1'-0"

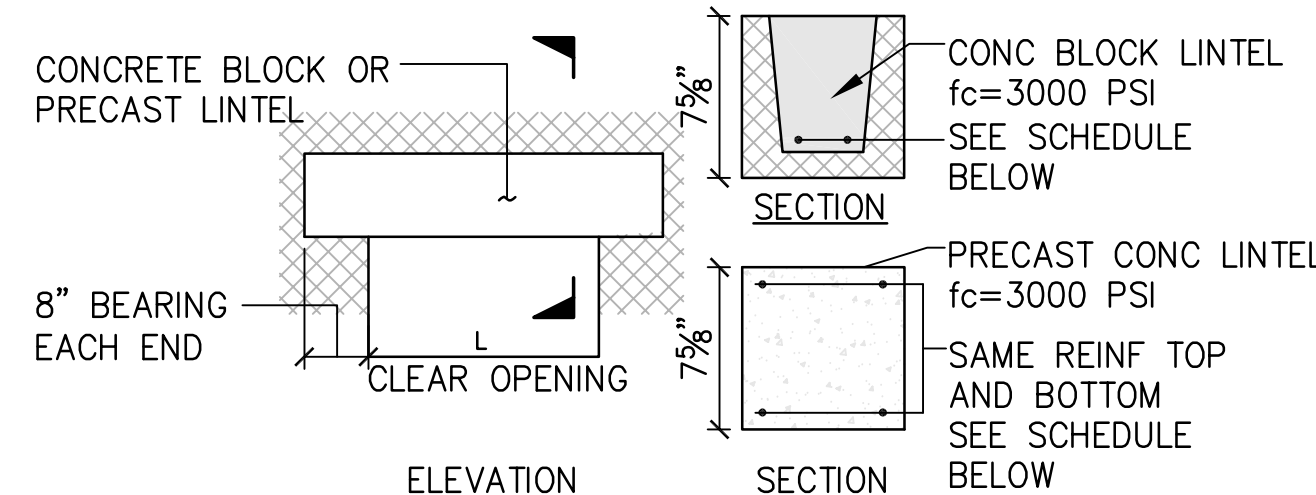


TYPICAL SLAB ON GRADE AT COL
1'-1'-0"

TABLE 1
REINFORCEMENT EMBEDMENT AND TENSION LAP LENGTHS

BAR SIZE	TOP BARS IN MEMBERS WHERE D>12"		OTHER BARS	
	EMB	TENSION LAP	EMB	TENSION LAP
#4	2'-1"	2'-9"	1'-7"	2'-1"
#5	2'-7"	3'-5"	2'-0"	2'-7"
#6	3'-2"	4'-1"	2'-5"	3'-2"
#7	4'-6"	5'-11"	3'-6"	4'-6"
#8	5'-2"	6'-9"	4'-0"	5'-2"
#9	5'-10"	7'-7"	4'-6"	5'-10"
#10	6'-7"	8'-5"	5'-1"	6'-7"
#11	7'-3"	9'-3"	5'-7"	7'-3"

NOTE: LENGTHS BASED ON ACI 318, CHAPTER 12 FOR NORMAL WEIGHT CONC (f_c=4000 PSI) AND UNCOATED BARS (f_y=60,000 PSI). ADJUST AS NECESSARY AS PER ACI REQUIREMENTS.



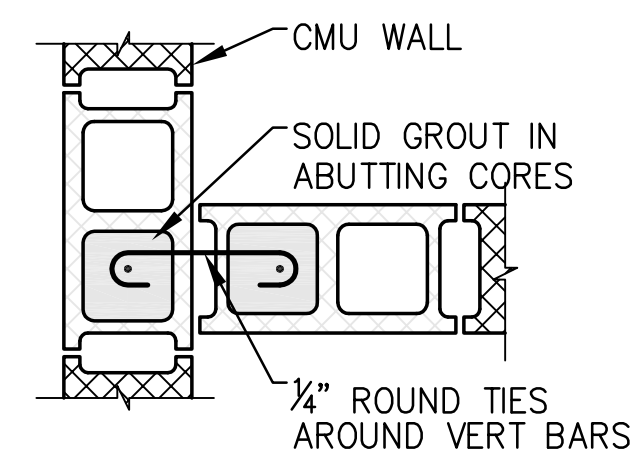
CLEAR SPAN, L	REINFORCED CONCRETE LINTEL SCHEDULE			
	6" WALL	8" WALL	10" WALL	12" WALL
UP TO 4'-0"	1-#4	2-#3	2-#3	2-#4
TO 5'-0"	1-#4	2-#3	2-#4	2-#4
TO 6'-0"	2-#5	2-#4	2-#5	2-#5
TO 7'-0"	2-#5	2-#5	2-#6	2-#6
TO 8'-0"	2-#5	2-#6	2-#7	2-#6
TO 9'-0"	2-#6	2-#6	2-#8	2-#6

REINFORCED CONCRETE LINTEL DETAILS AND SCHEDULE
1/2"=1'-0"

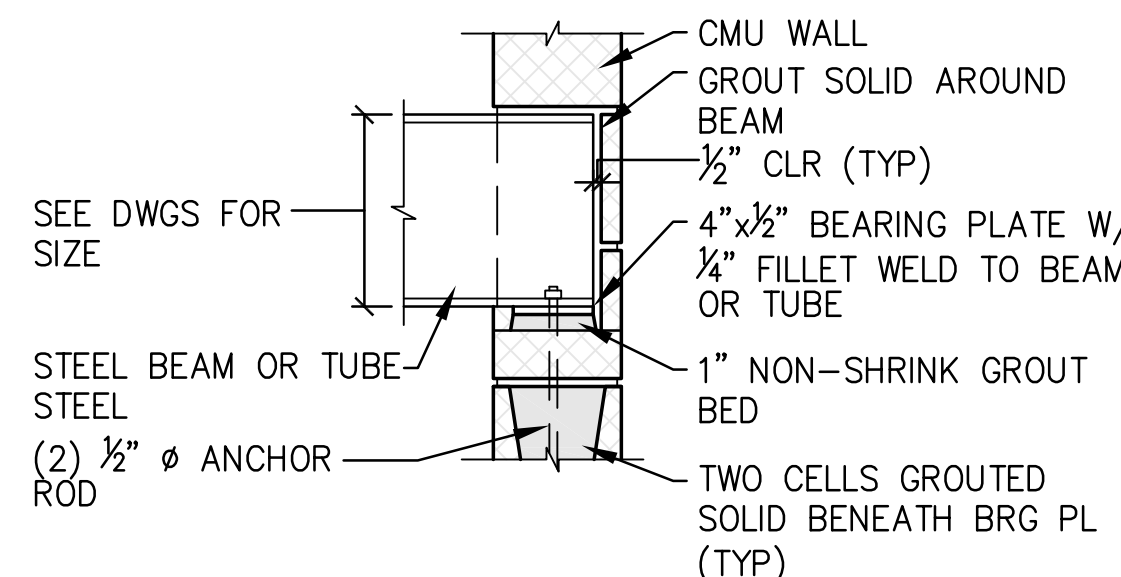
STEEL LINTEL SCHEDULE	
CLEAR SPAN, L	LINTEL SIZE
UP TO 4'-6"	L 4" x 3 1/2" x 5/16"
4'-7" TO 6'-0"	L 5" x 3 1/2" x 5/16"
6'-1" TO 8'-0"	L 6" x 3 1/2" x 3/8"

NOTES:
1. PROVIDE LINTELS OVER ALL OPENINGS EXCEPT WHERE LINTEL BLOCKS ARE PROVIDED.
2. PROVIDE ONE ANGLE FOR EACH 4" OF WALL THICKNESS.
3. FOR 6" WALLS PROVIDE TEE OR BUILT UP SECTION WITH PROPERTIES EQUAL OR GREATER THAN 1.5 TIMES ANGLE PROPERTIES FOR 4" WALL THICKNESS.
4. PROVIDE 6" MINIMUM BEARING AT EACH END BUT NOT LESS THAN 1" PER FOOT OF SPAN. FILL 2 COURSES OF MASONRY BELOW BEARING WITH MORTAR.

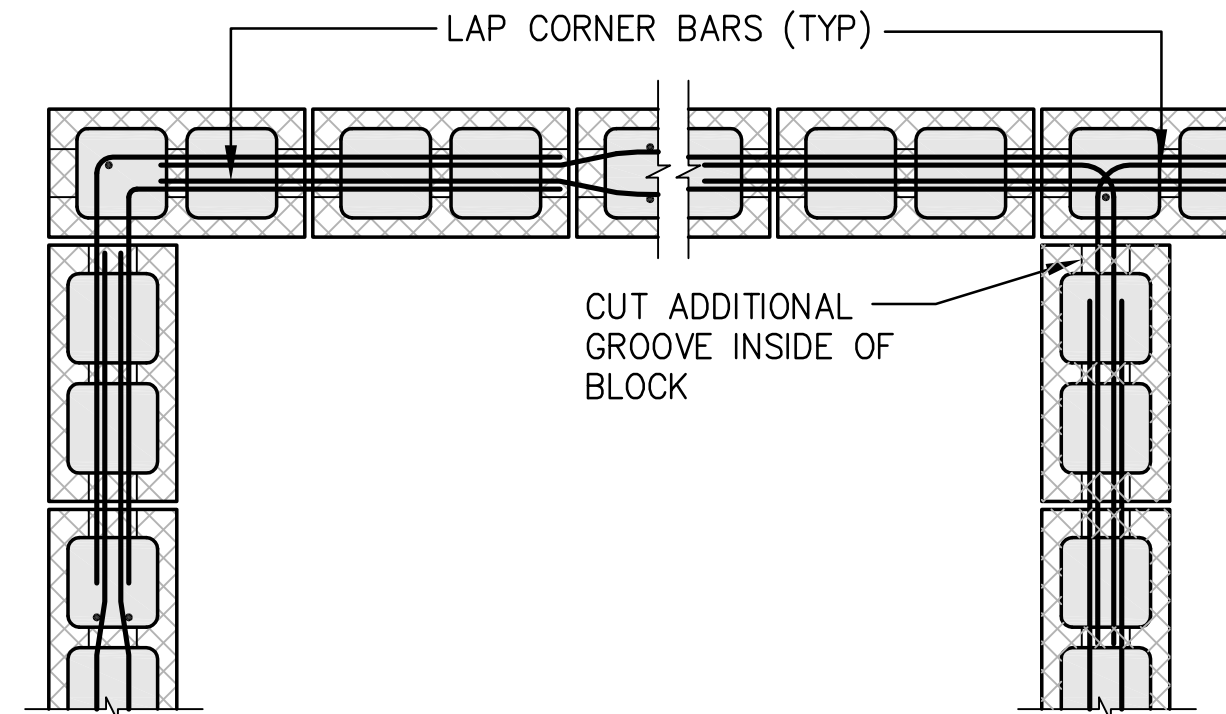
STEEL LINTEL SCHEDULE AND NOTES
1/2"=1'-0"



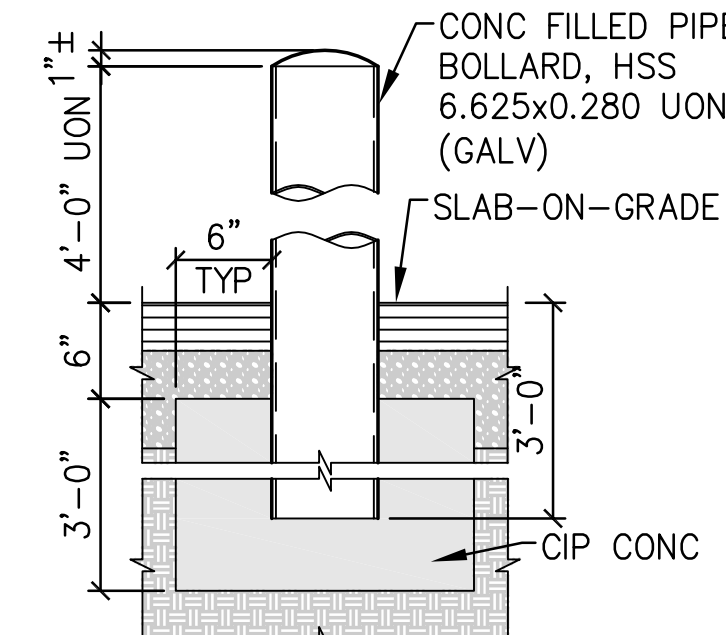
TYPICAL JOINT REINFORCING AT WALL CORNERS
1'-1'-0"



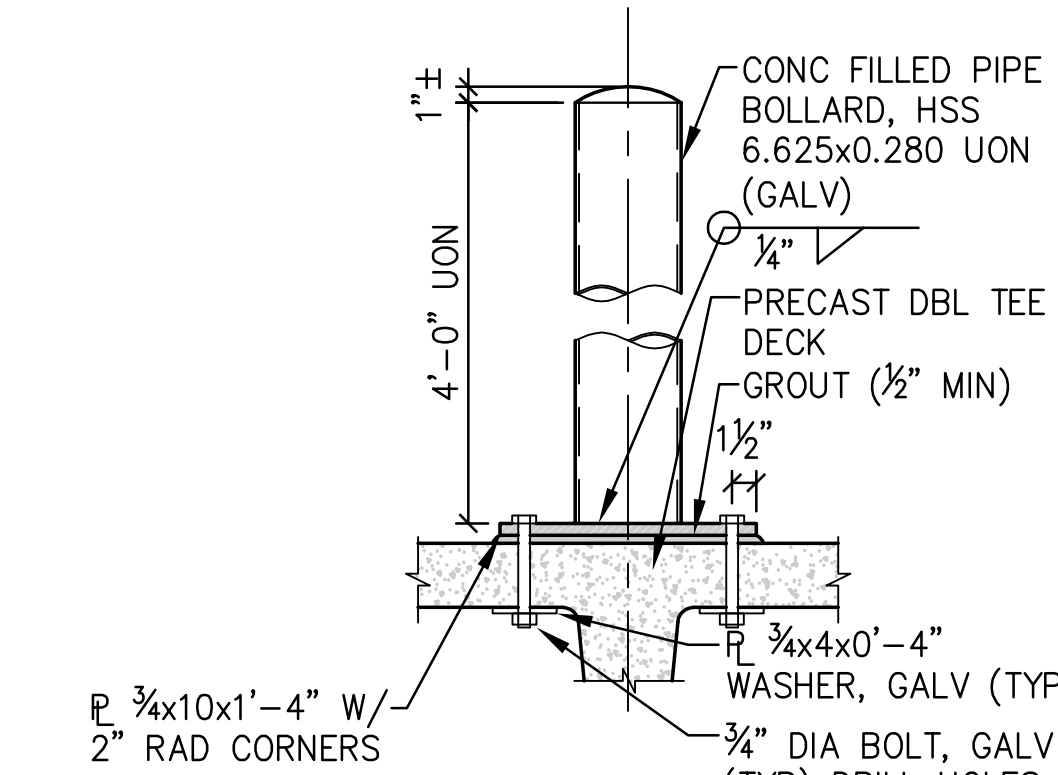
TYPICAL BEAM BEARING IN CMU WALL
1'-1'-0"



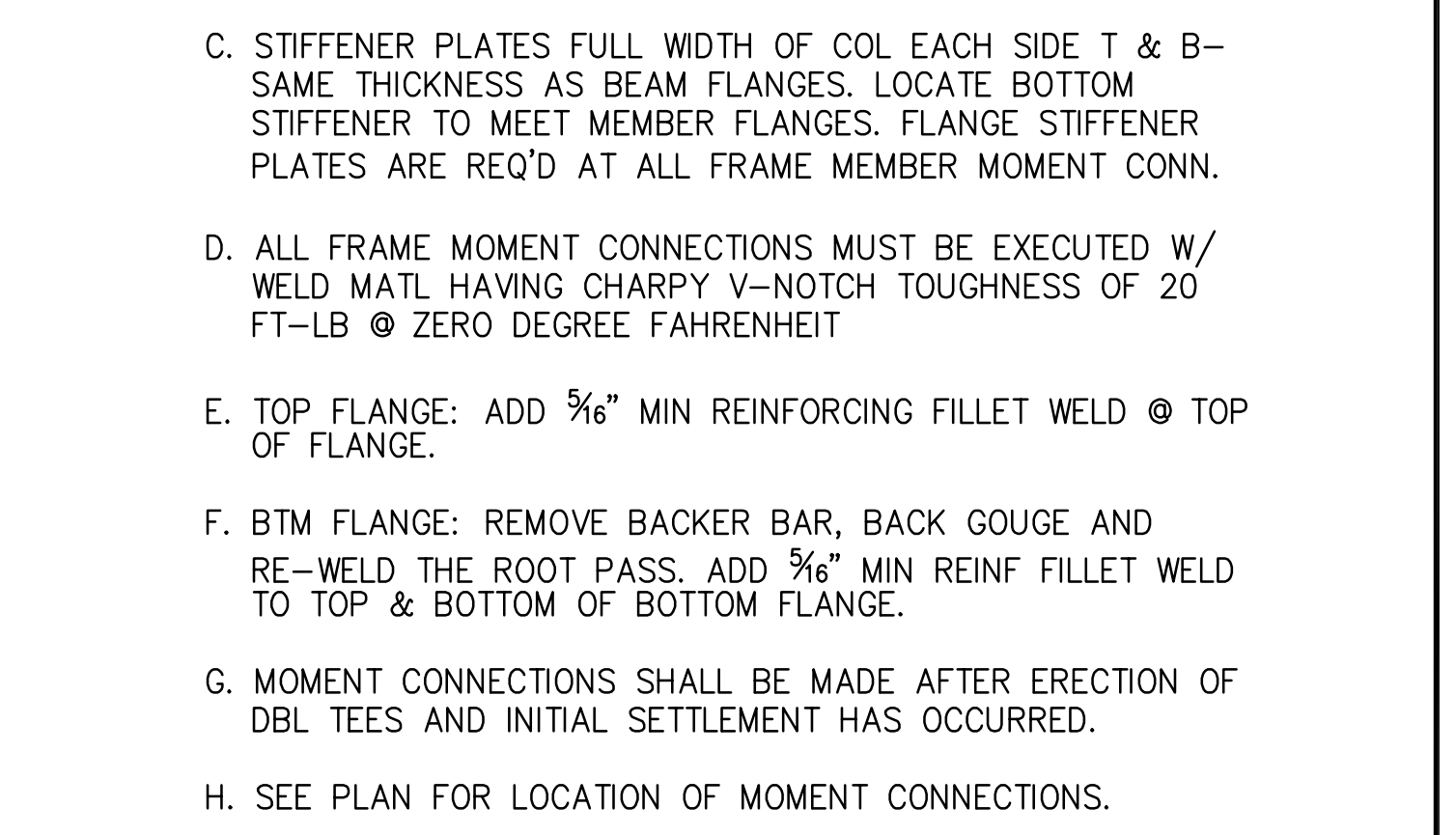
HORIZONTAL REINFORCING OF MASONRY WALLS
1'-1'-0"



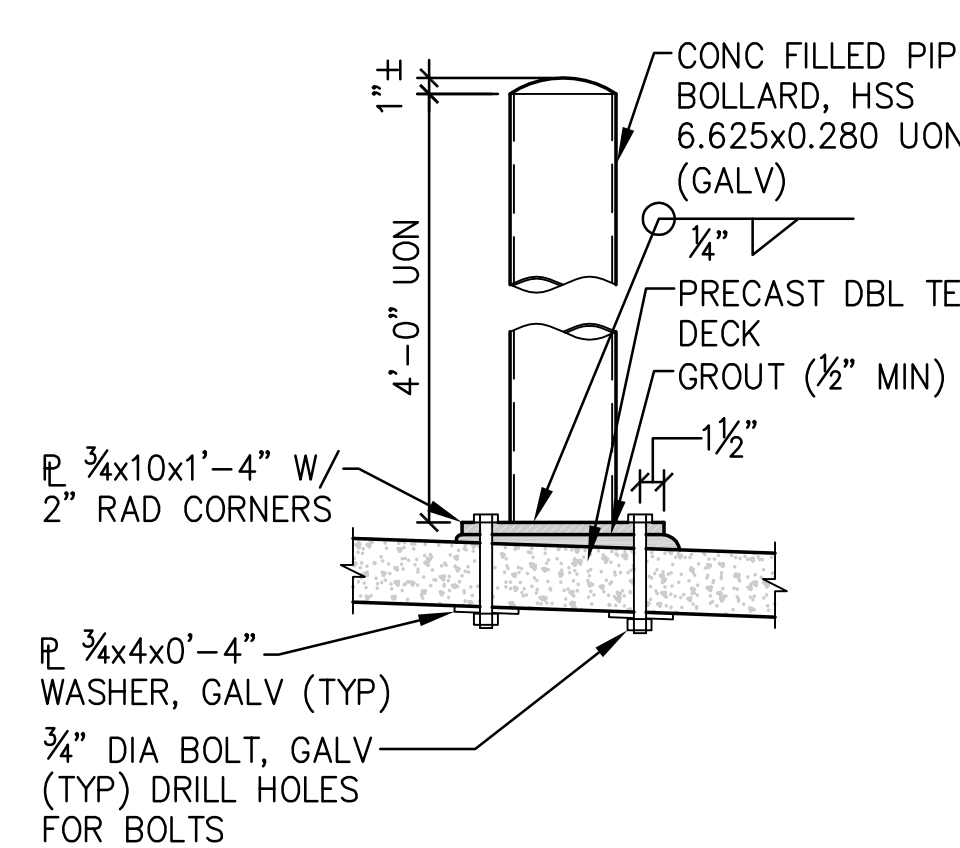
BOLLARD ON GRADE
1'-1'-0"



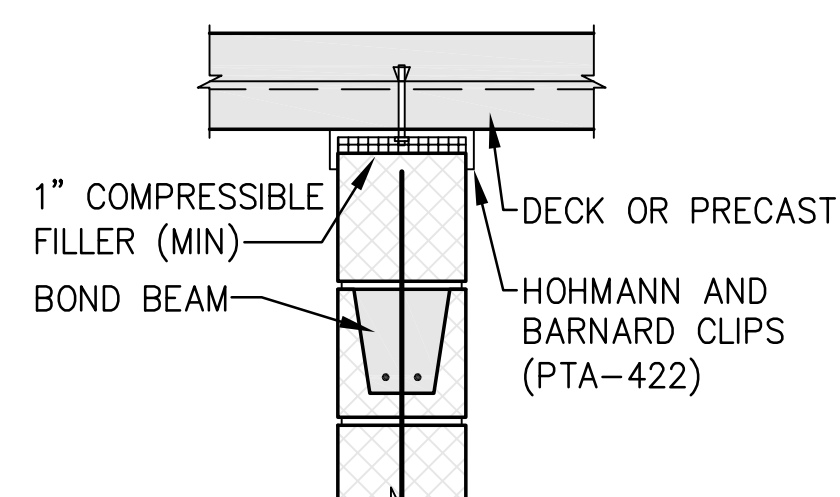
BOLLARD TO DOUBLE TEE
1'-1'-0"



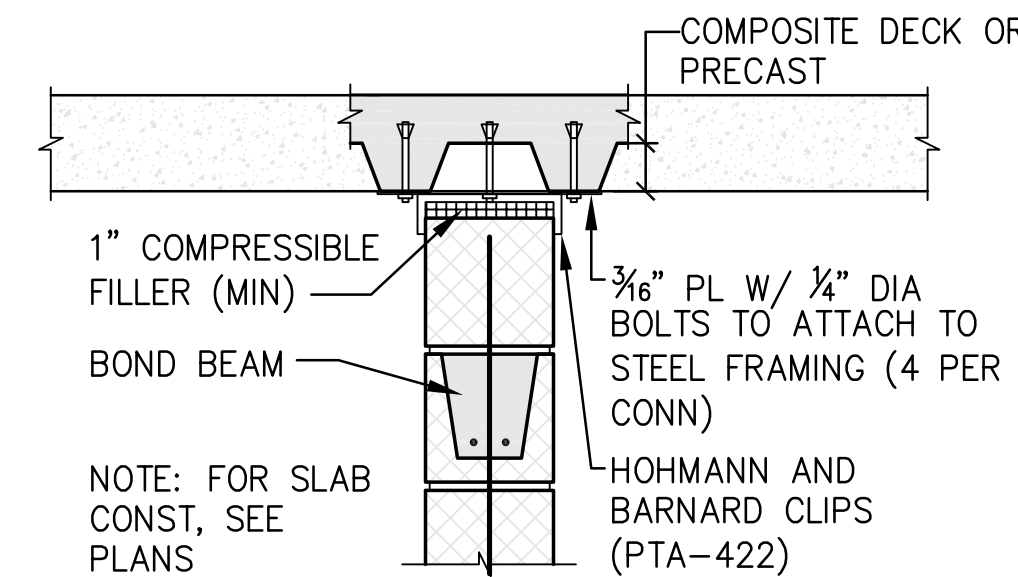
TYPICAL COLUMN TO BEAM MOMENT CONNECTION DTL
1'-1'-0"



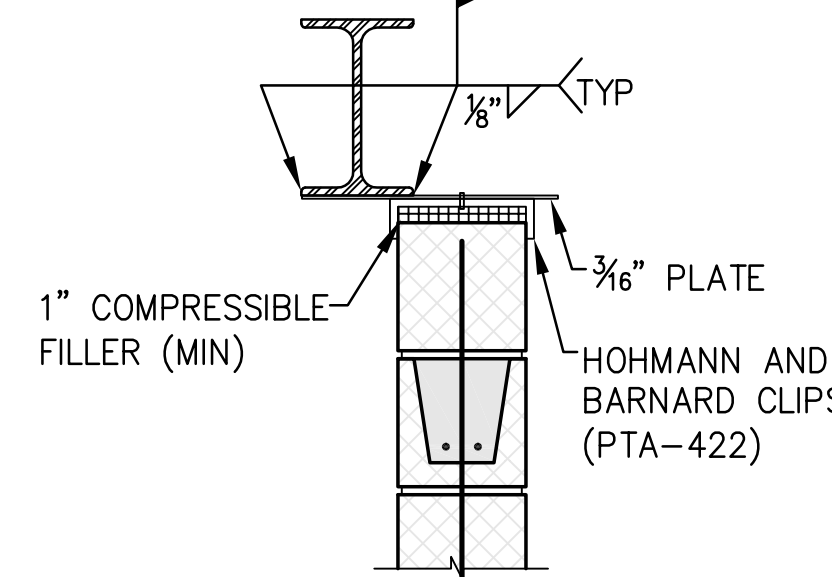
BOLLARD TO DOUBLE TEE
1'-1'-0"



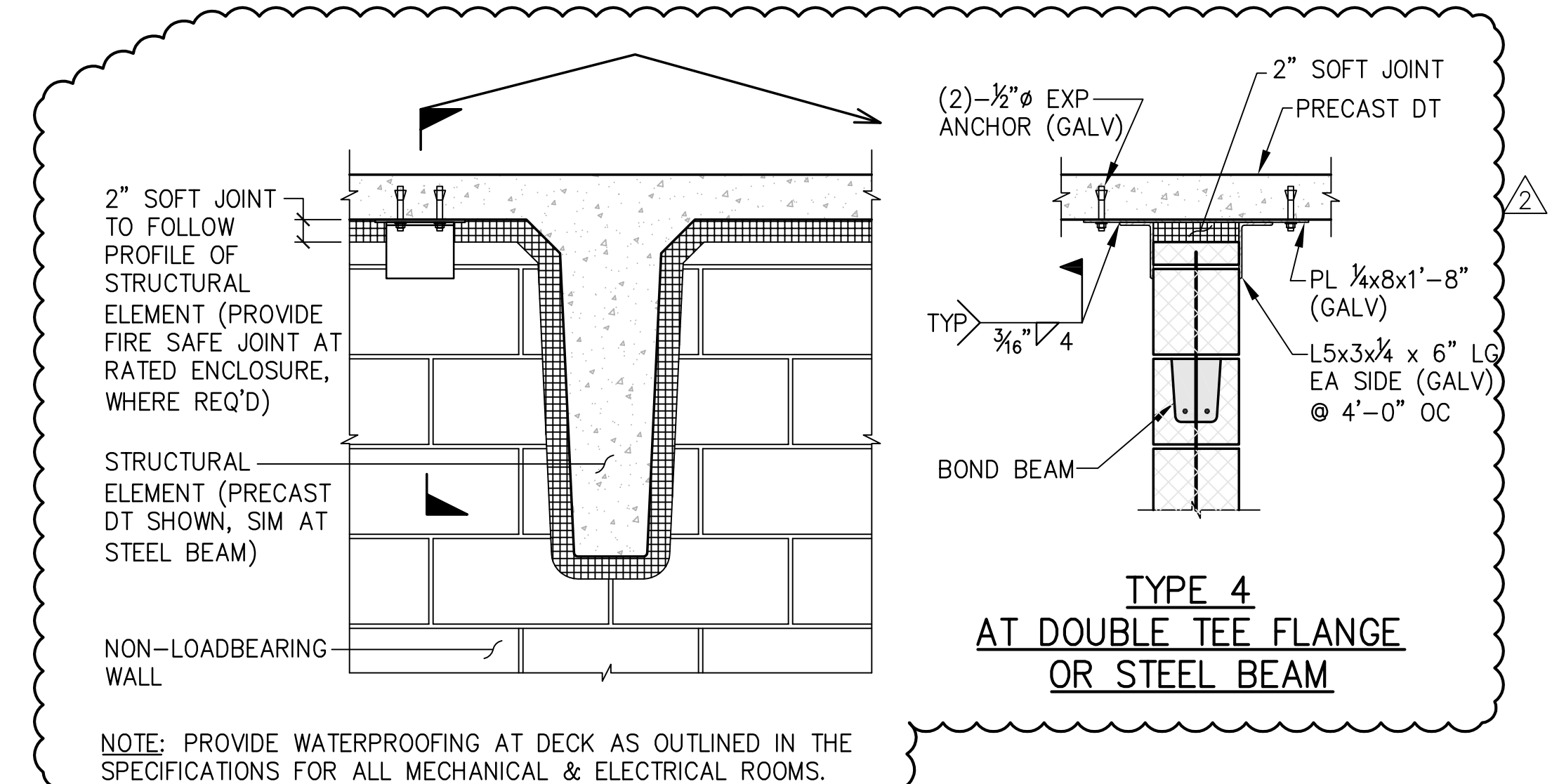
**TYPE 1
DECK SPAN PERPENDICULAR TO WALL**



**TYPE 2
AT DOUBLE TEE
TYPICAL MASONRY HEAD ANCHORAGE DETAILS**
1'-1'-0"



**TYPE 3
AT STEEL BEAM**



**TYPE 4
AT DOUBLE TEE FLANGE
OR STEEL BEAM**

NOTE: PROVIDE WATERPROOFING AT DECK AS OUTLINED IN THE SPECIFICATIONS FOR ALL MECHANICAL & ELECTRICAL ROOMS.