

6

5

4

3

2

1

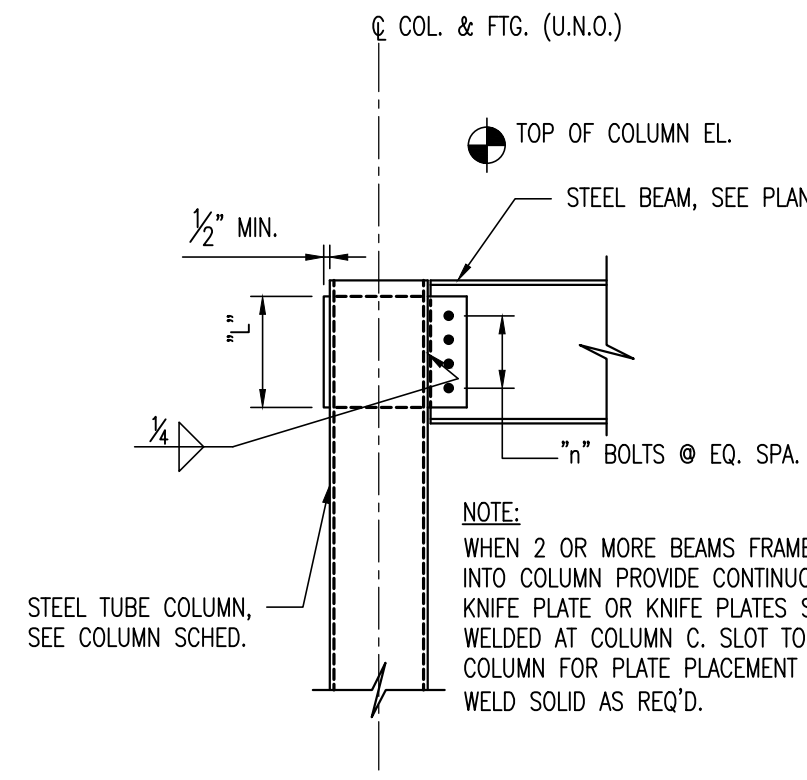
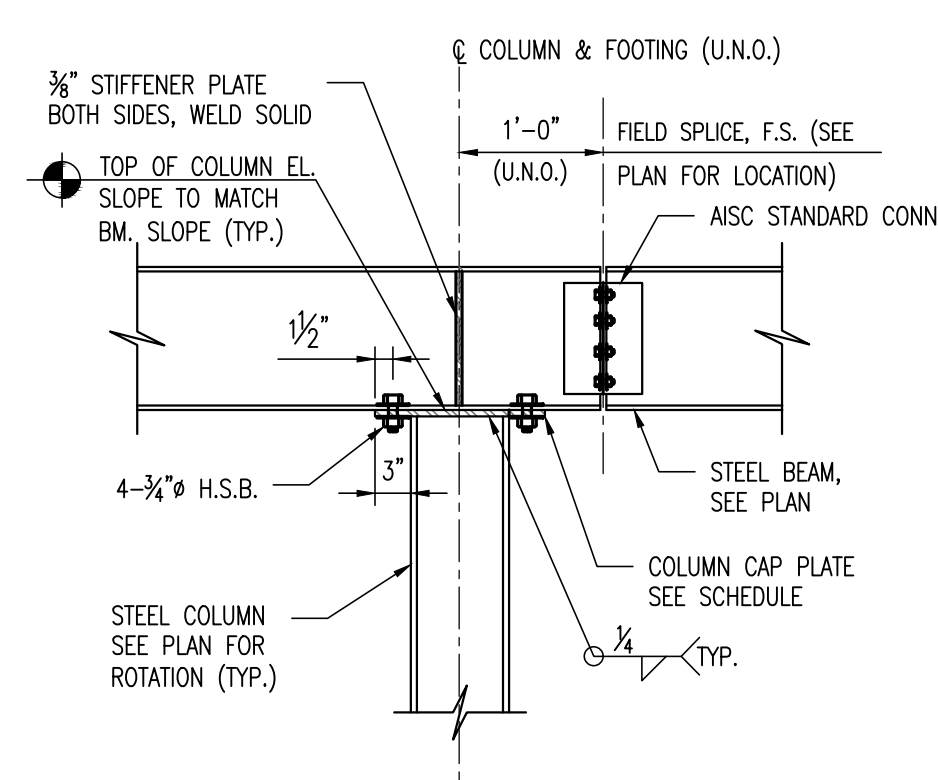
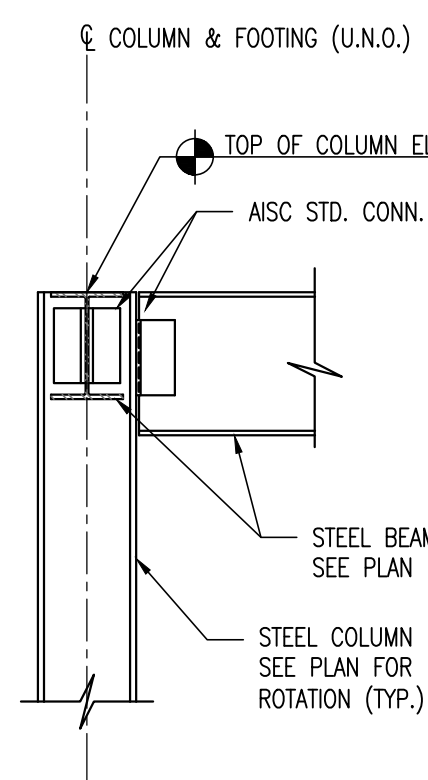
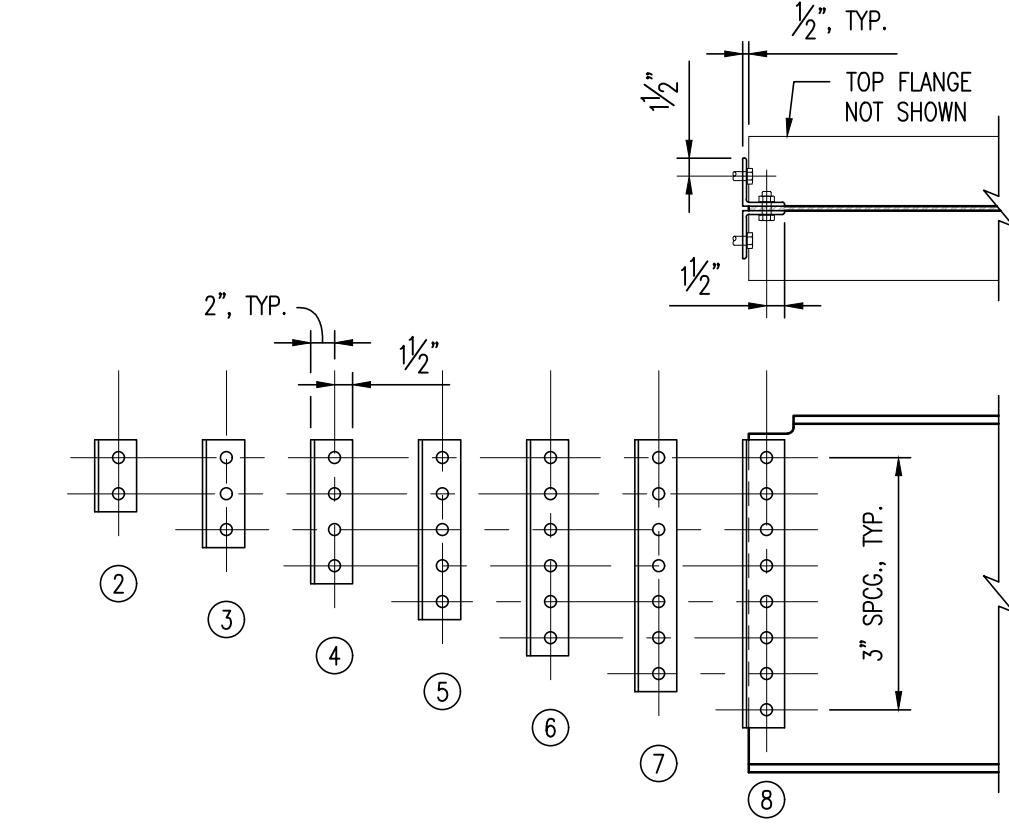
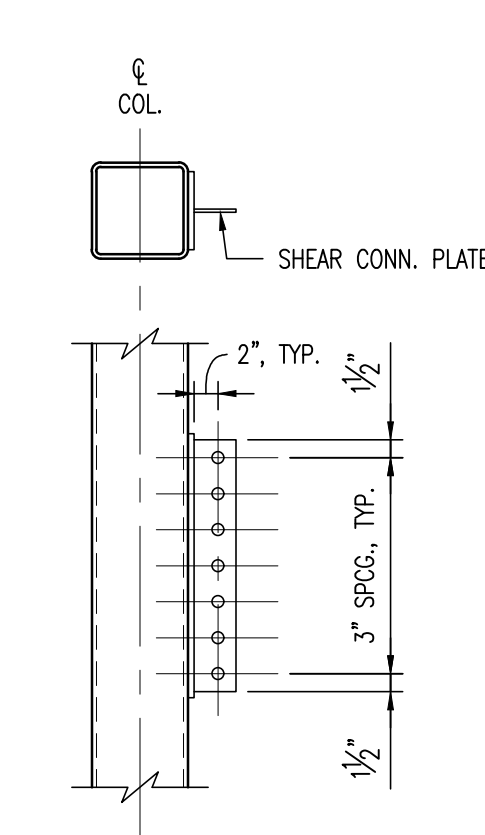
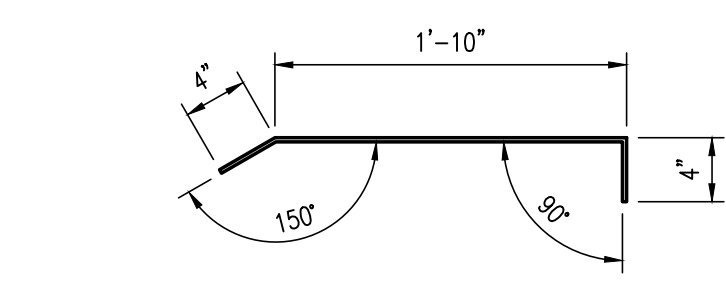
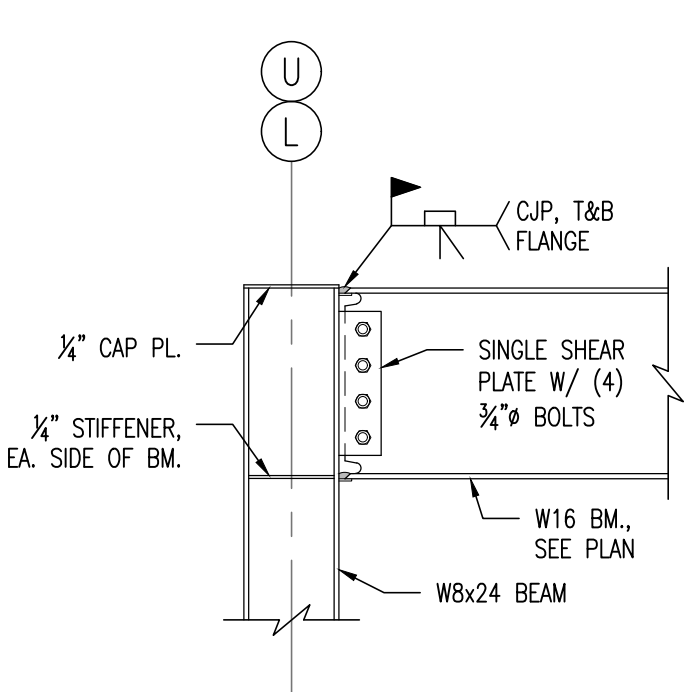


TABLE OF VARIABLES			
BEAM DEPTH (IN)	"l" (IN)	"n" (IN)	"n" (IN)
10"	6	3/8	2
12"	6	3/8	2
14"	9	3/8	3
16"	12	3/8	4
18"	12	1/2	4
21"	15	1/2	5
24"	18	1/2	6

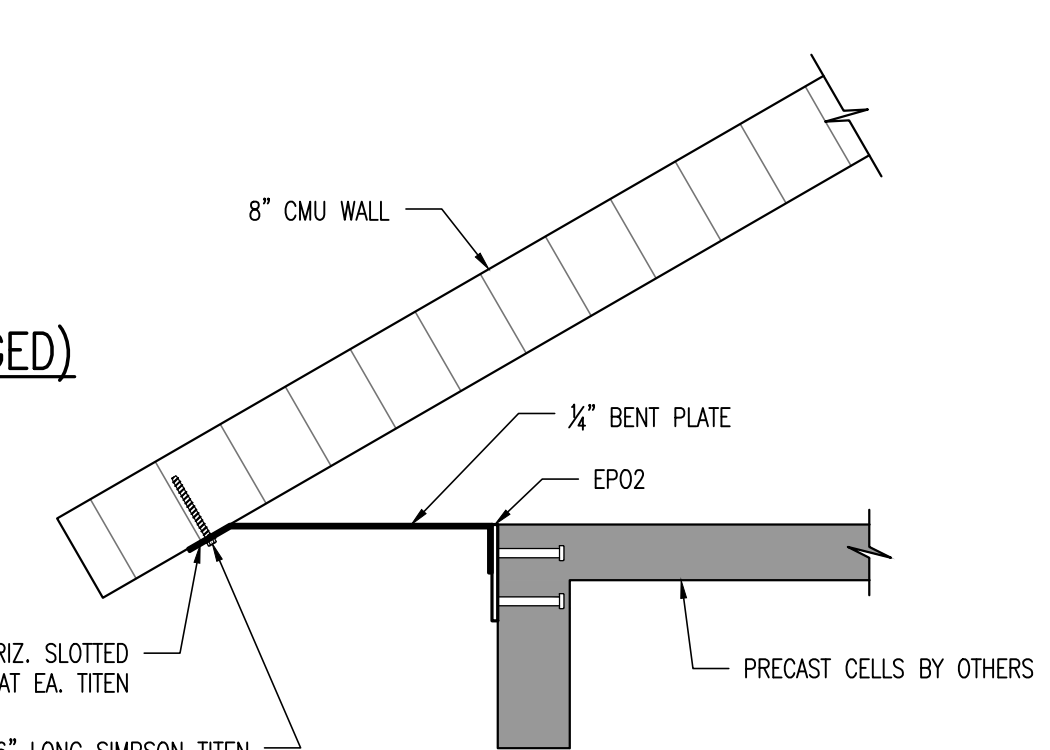
1. "n" EQUALS NUMBER OF 3/4" H.S.B., ASTM A325
2. "l" EQUALS KNIFE PLATE THICKNESS



TYPICAL STEEL COLUMN CAP DETAILS
SCALE: 3/4" = 1'-0"



CLOSURE PLATE DETAIL (ENLARGED)
SCALE: 1" = 1'-0"



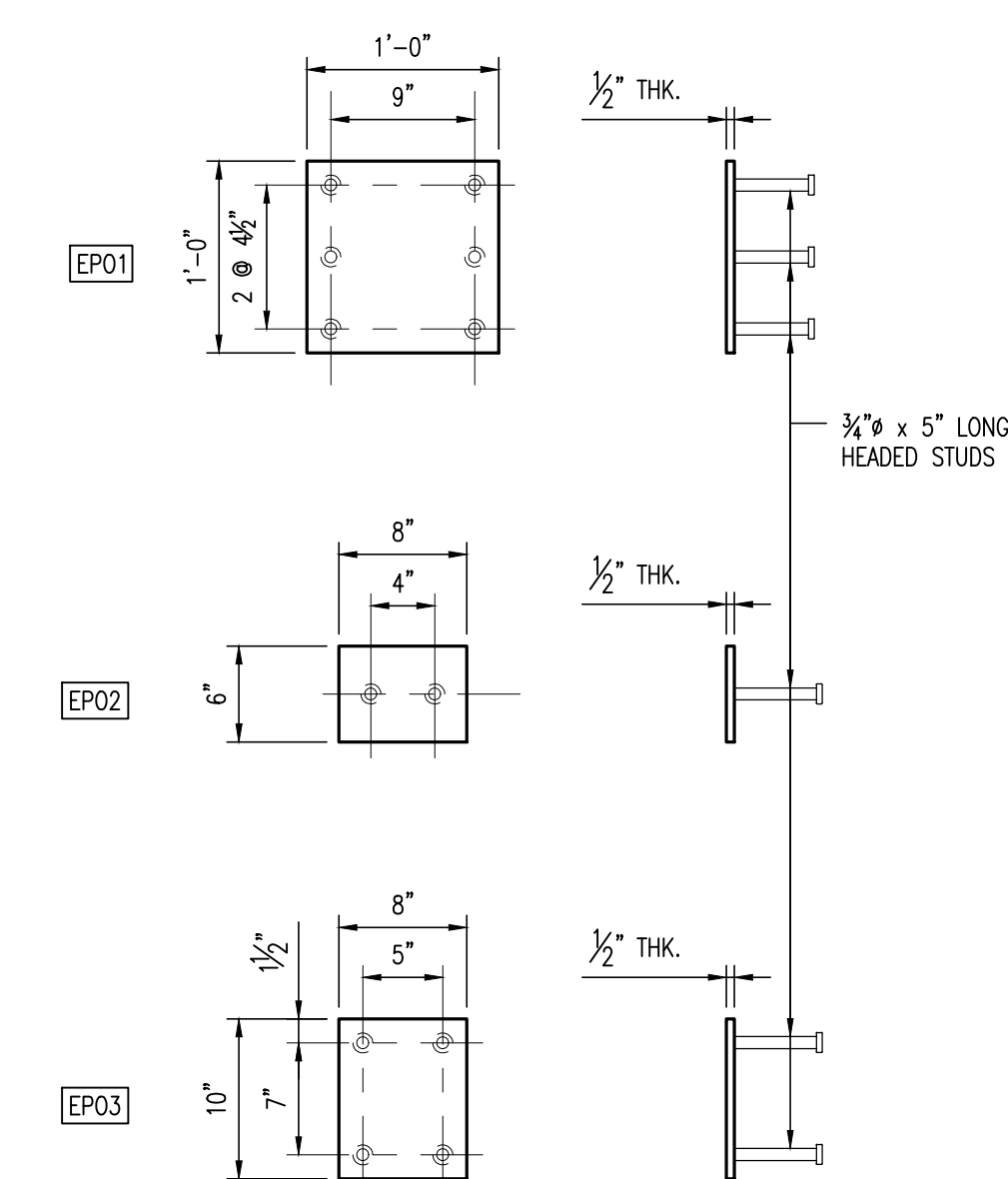
BEAM SINGLE SHEAR PLATE CONNECTION SCHEDULE									
CONN. TYPE	APPLICABLE BEAM SIZES		SINGLE PLATE SHEAR CONN.		A325-N BOLTS		CONNECT. CAPACITY		
	MINIMUM FOR:	MAXIMUM FOR:	THICKNESS	WIDTH	LENGTH	SIZE	NO.	SPACING	
2	W8, W10, W12	W8, W10	3/4"	3 1/2"	6"	3/4"	2	3"	11k
3	W12, W14	W12, W14	3/4"	3 1/2"	9"	3/4"	3	3"	22k
4	W16, W18	W16	3/4"	3 1/2"	1'-0"	3/4"	4	3"	38k
5	W21, W24	W18	3/4"	3 1/2"	1'-3"	3/4"	5	3"	50k
6	W27, W30	W21	3/4"	3 1/2"	1'-6"	3/4"	6	3"	64k
7	W33, W36	W24, W27	3/4"	3 1/2"	1'-9"	3/4"	7	3"	75k
8	-	W30	3/4"	3 1/2"	2'-0"	3/4"	8	3"	85k

BEAM DOUBLE ANGLE CONNECTION SCHEDULE									
BEAM SIZE	APPLICABLE BEAM SIZES		ANGLE SIZE & LENGTH		A325-N BOLTS		ASD CAPACITY		
	MINIMUM FOR:	MAXIMUM FOR:	ANGLE SIZE	LENGTH	SIZE	ROWS	SPACING	SINGLE L	DOUBLE L
2	W8, W10, W12	W8, W10	L4x3x1/4	6"	3/4"	3	3"	16k	22k
3	W12, W14	W12, W14	L4x3x1/4	9"	3/4"	4	3"	33k	45k
4	W16, W18	W16	L4x3x1/4	1'-0"	3/4"	4	3"	50k	64k
5	W21, W24	W18	L4x3x1/4	1'-3"	3/4"	5	3"	72k	85k
6	W27, W30	W21	L4x3x1/4	1'-6"	3/4"	6	3"	80k	125k
7	W33, W36	W24, W27	L4x3x1/4	1'-9"	3/4"	7	3"	100k	165k

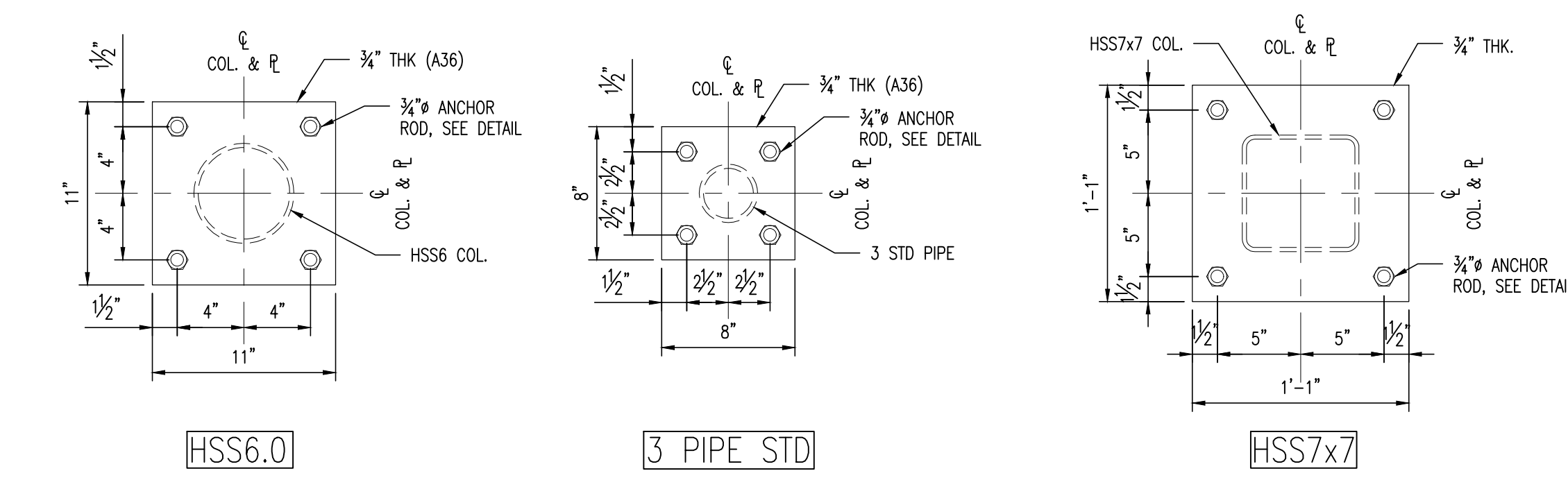
STANDARD SHEAR CONNECTION TABLES
SCALE: 3/4" = 1'-0"

TYPICAL MOMENT CONNECTION AT TRANSFER BEAM
SCALE: 3/4" = 1'-0"

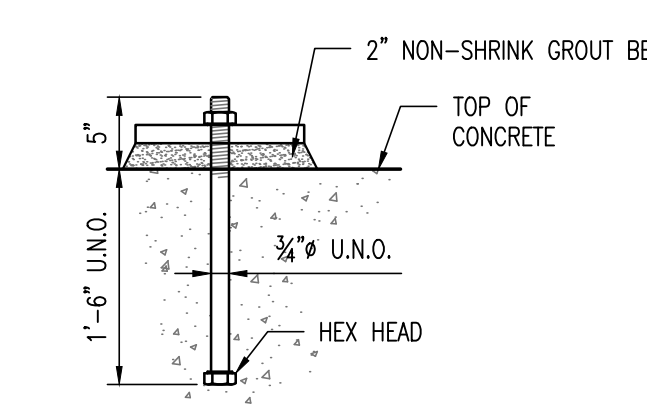
TYPICAL CLOSURE PLATE DETAIL
SCALE: 3/4" = 1'-0"



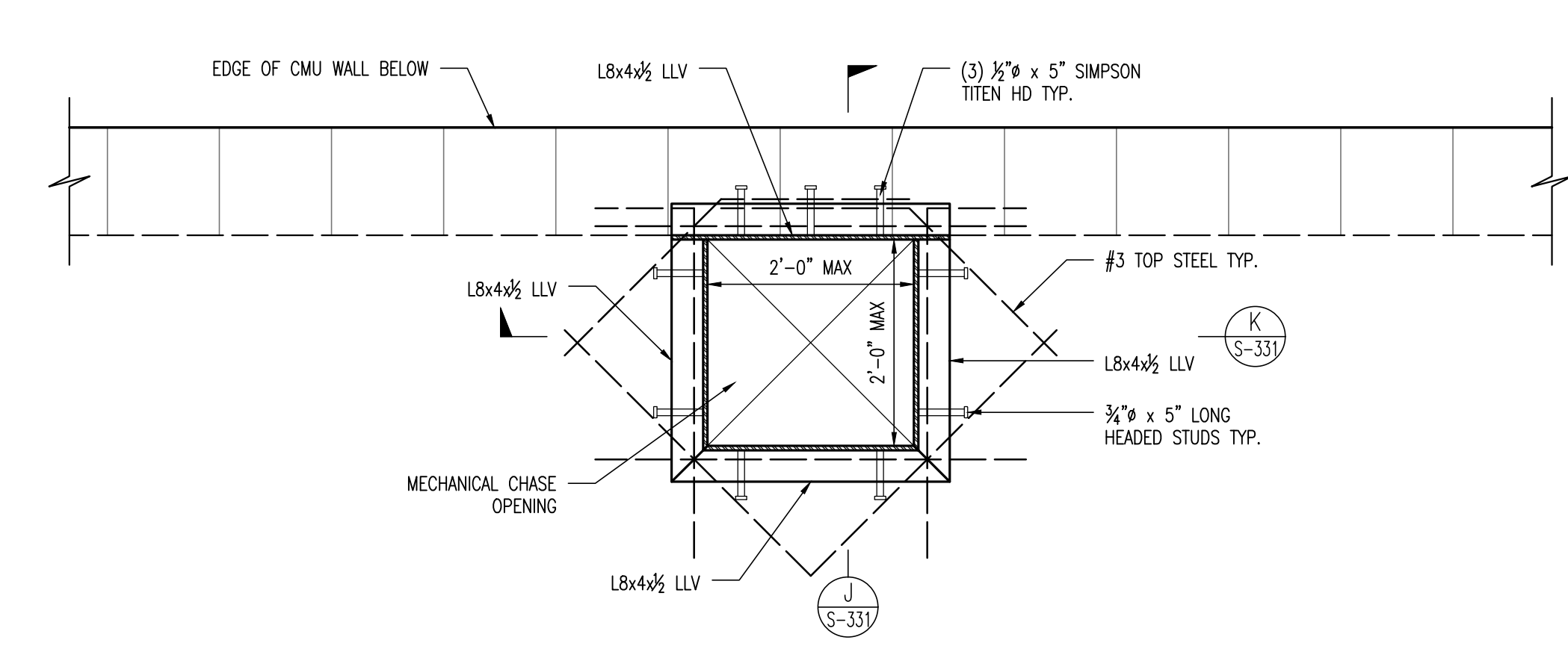
TYPICAL EMBED PLATE DETAILS
SCALE: 3/4" = 1'-0"



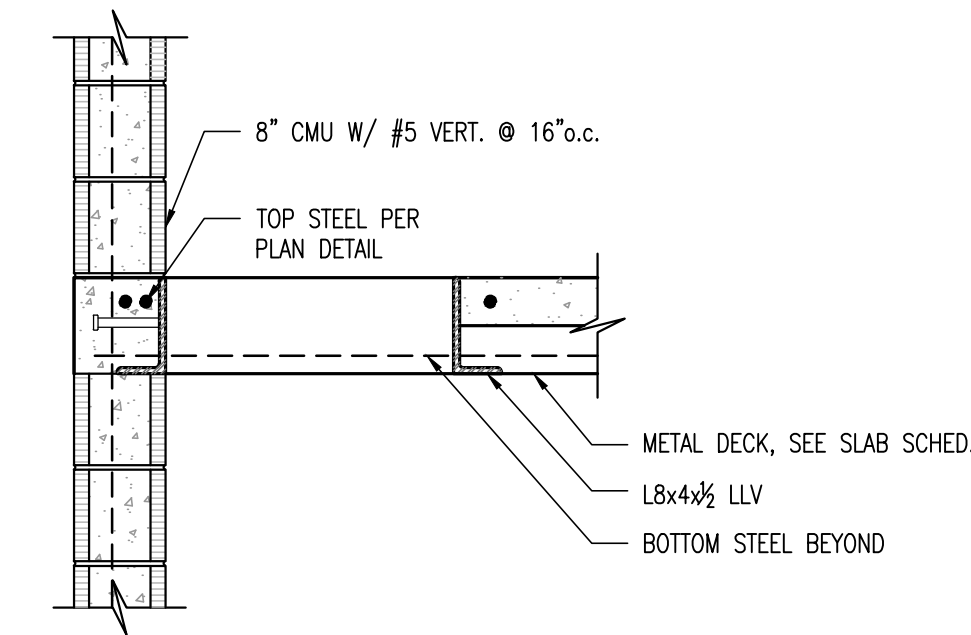
TYPICAL BASE PLATE DETAILS
SCALE: 1/2" = 1'-0"



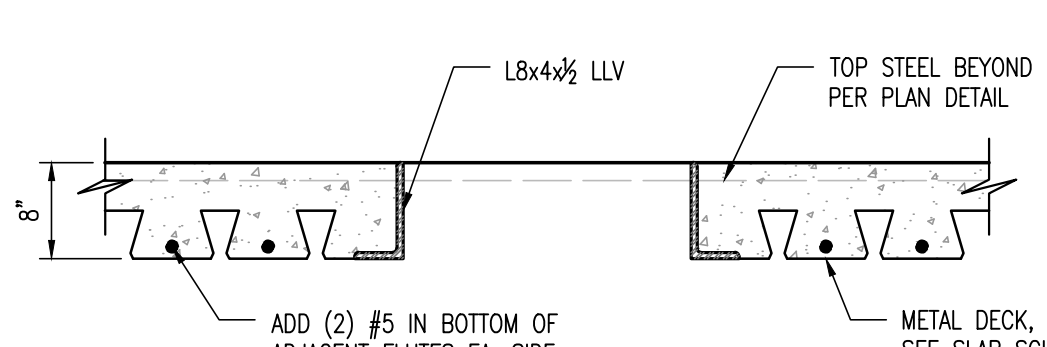
TYPICAL ANCHOR ROD DETAIL
NO SCALE



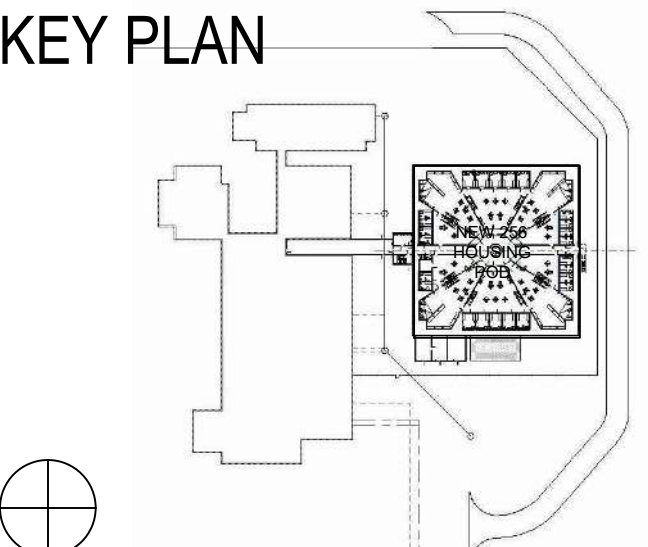
TYP. MECH. CHASE DETAIL (PLAN VIEW)
SCALE: 3/4" = 1'-0"



TYP. MECH. CHASE DETAIL
SCALE: 3/4" = 1'-0"



TYP. MECH. CHASE DETAIL
SCALE: 3/4" = 1'-0"



COLUMBIA COUNTY DETENTION FACILITY
389 NW Quinten St, Lake City, FL 32055

COLUMBIA COUNTY BOARD OF COUNTY COMMISSIONERS

SCALE AS NOTED

No.	Description	Date

REVISIONS	
DRAWN BY	SKS
APPROVED BY	BVP
CHECKED BY	PMM
DATE	July 24, 2020

TITLE

STRUCTURAL
STEEL DETAILS

PROJECT NO. 50101397

S-331

SHEET NO.
DESTROY AFTER USE