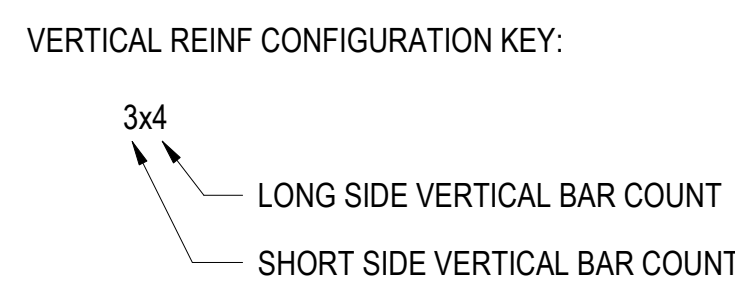


NOTES:

1. TYPICAL CROSSTIES SHALL HAVE A 135 DEGREE HOOK AT ONE END AND A 90 DEGREE HOOK AT THE OTHER END UNLESS NOTED OTHERWISE. AT CONTRACTOR'S OPTION, 135 DEGREE HOOKS MAY BE REPLACED WITH 180 DEGREE HOOKS AND 90 DEGREE HOOKS MAY BE REPLACED WITH 135 OR 180 DEGREE HOOKS.
2. CROSSTIES WITH 90 DEGREE HOOKS SHALL HAVE THE CONSECUTIVE CROSSTIES EITHER ALTERNED END FOR END ALONG THE LONGITUDINAL REINFORCEMENT.
3. CIRCULAR TIES SHALL ALTERNATE POSITION OF LAPS 180 DEGREES EVERY OTHER END.
4. REFER TO "TYPICAL CONCRETE COLUMN SPIRAL REINFORCING" FOR ADDITIONAL DETAILING REQUIREMENTS.



24"x24" [1]

COLUMN TYPE

COLUMN SIZE

1. SEE THE FOLLOWING ACCOMPANYING DETAILS:

"TYPICAL CONCRETE COLUMN"
"TYPICAL CONCRETE COLUMN BASE DOWELS"
"CONCRETE COLUMN TYPES"

2. VERTICAL REINFORCEMENT SPLICE LENGTHS ARE PER THE "TYPICAL COLUMN SPLICE TABLE"

COLUMN SIZE, TYPE & SPLICE LENGTH	LEVEL 16	24" x 24" [1]		
	LEVEL 15	24" x 24" [3]		
	LEVEL 14			

EXAMPLE PARTIAL CONCRETE COLUMN SCHEDULE



①

③

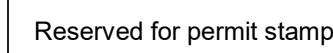
⑥

FOUNDATION	BC1	BC2	BC3	BC4	BC5	BC6	BC7	BC8	BC9	BC10	BC11	BC12	BC13	BC14	BC15	BC16	BC17	BC18	BC19	BC20
------------	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------

11

LEVEL 5													
LEVEL 4													
LEVEL 3													
LEVEL 2													
LEVEL 1													
FOUNDATION													
COLUMN MARK	CC1	CC2	CC3	CC4	CC5	CC6	CC7	CC8	CC9	CC10	CC11	CC12	CC13
	18"x32" [5]	12"x48" [12] 30"x48" [13] 18"x32" [4]	24"x24" [6]	18"x32" [5] 32"x32" [2] 18"x32" [1]	12"x48" [12] 18"x36" [4]	18"x24" [4]	18"x32" [5]	18"x32" [4]	18"x32" [5]	18"x32" [5]	18"x32" [5]	18"x24" [4]	24"x24" [6]

16



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DEER VALLEY, UTAH

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principal architect _____

project manager _____

drawn by _____

job no. 20052

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revisions:

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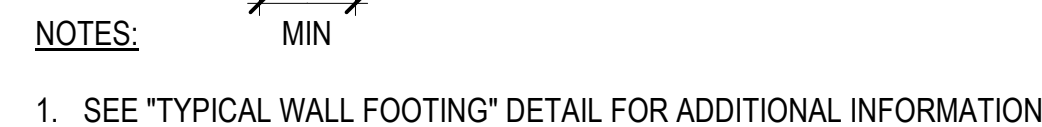
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COLUMN SCHEDULES

S4.00



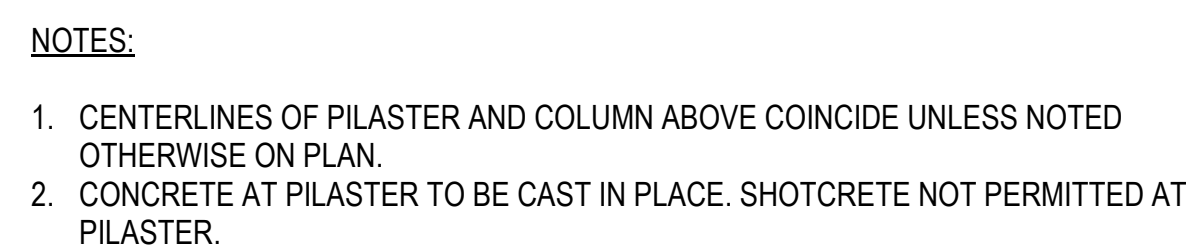
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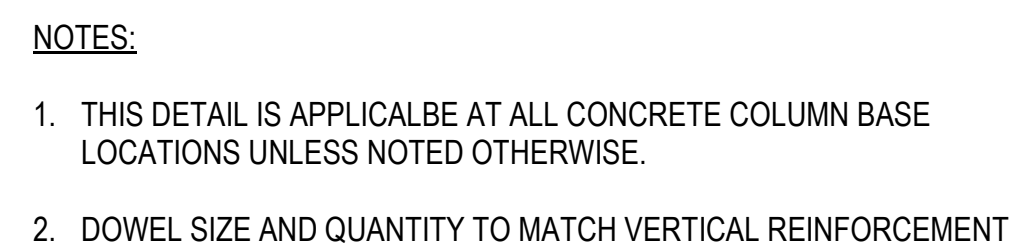
NOTES:

1. SEE "TYPICAL COLUMN FOOTING" DETAIL FOR EXCAVATION INFORMATION
2. LAP SPLICE LONGITUDINAL REINFORCEMENT Lsb.
3. SEE "WALL FOOTING SCHEDULE" FOR DIMENSIONS AND REINFORCEMENT UNLESS NOTED OTHERWISE.

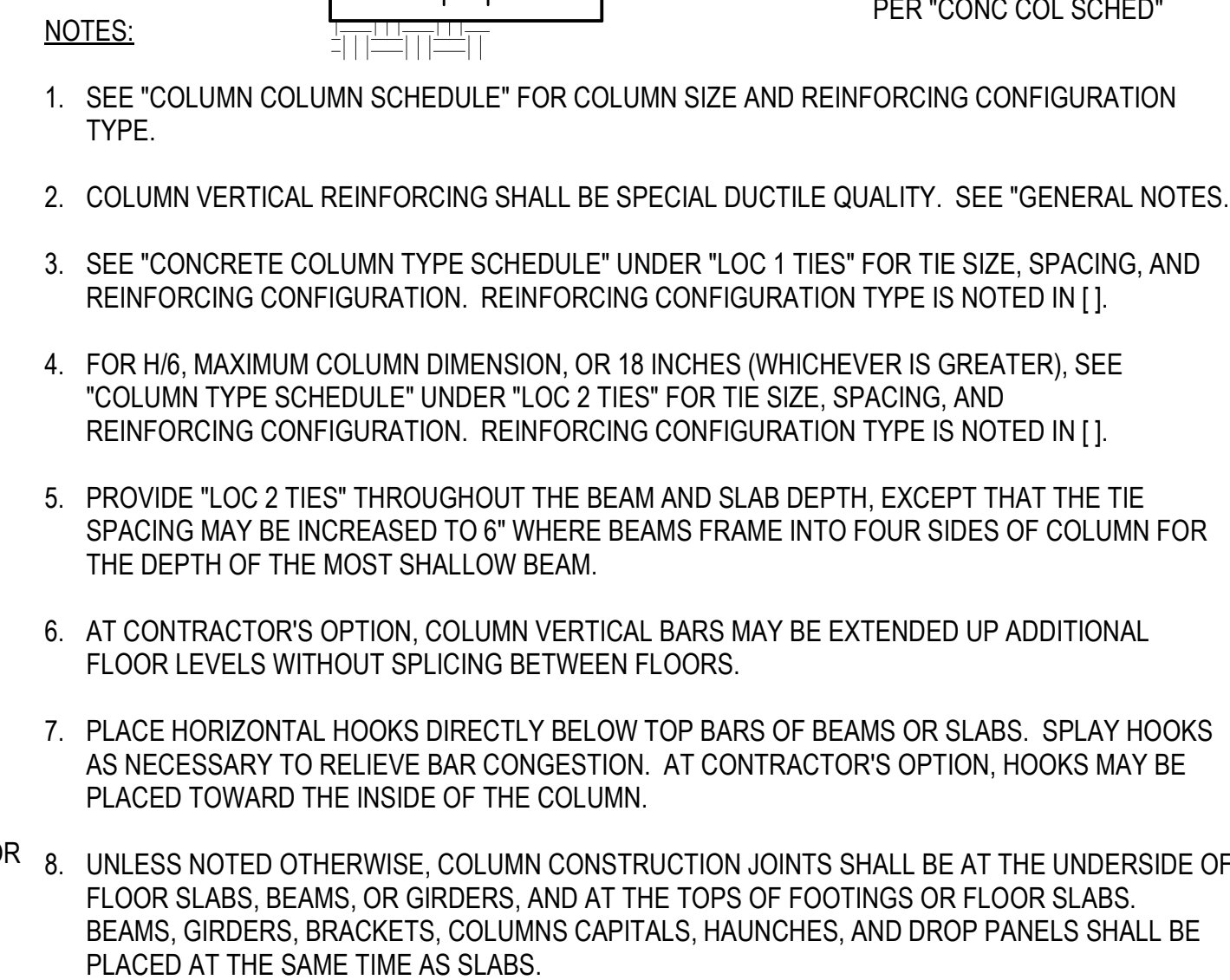
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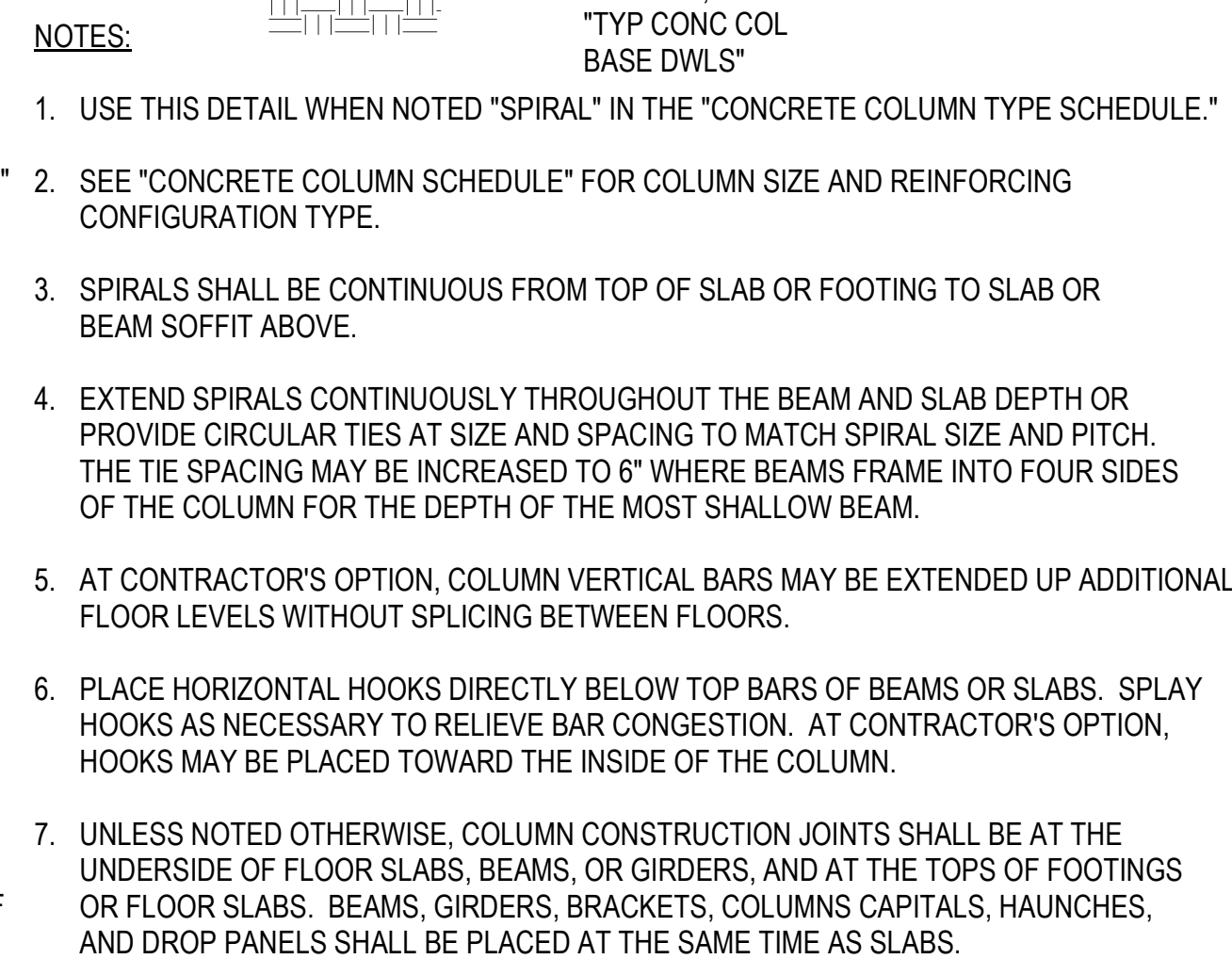
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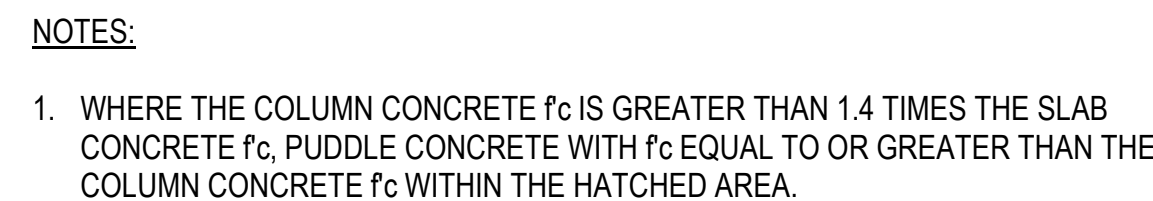
③



(10



(2)



5



NOTES:

1. SEE TYPICAL COLUMN FOOTING DETAILS

3



6

NOTES:

1. SEE "TYPICAL COLUMN SPLICE TABLE" FOR SPLICE LENGTH UNLESS NOTED OTHERWISE
2. CLEAR DISTANCE BETWEEN THE TWO LAP SPLICE BARS AND ADJACENT BARS SHALL BE NOT LESS THAN 1.5 TIMES THE BAR DIA, NOR 1 1/2 INCHES
3. IF OFFSET IN VERTICAL BARS OCCURS OUTSIDE THE HORIZONTAL FRAMING, PROVIDE ADDITIONAL SET OF TIES AT OFFSET LOCATION.

17



TYPICAL COL SPLICE



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project manager _____
drawn by _____
checked by _____
job no. 20052
date 11/18/2022

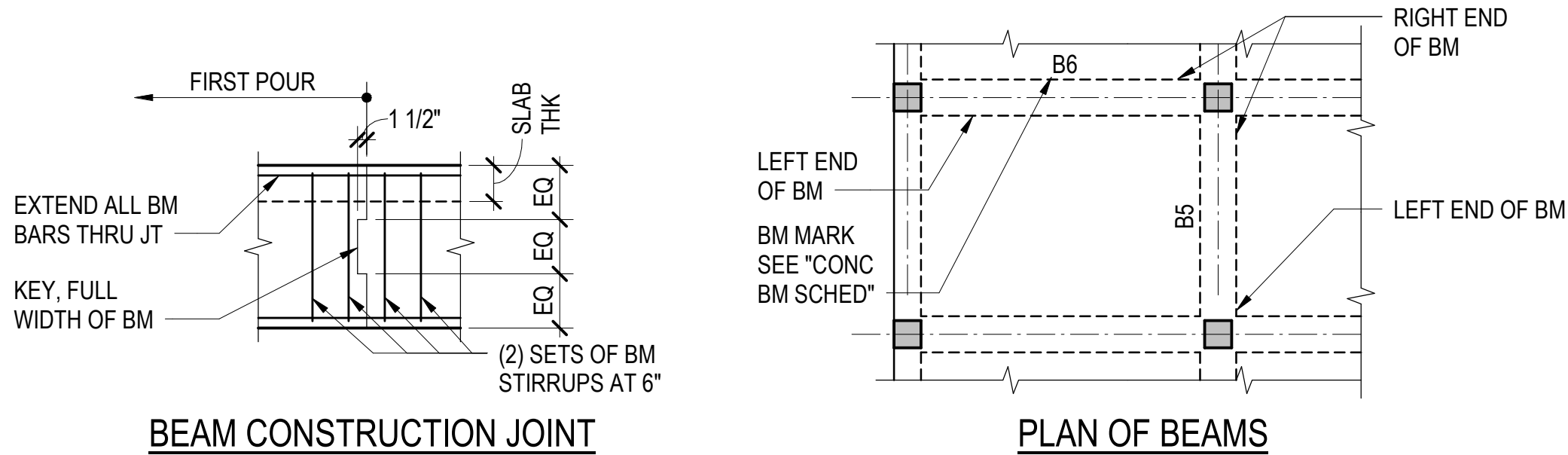
revisions:

no.	date	description
1	11/18/2022	IFC

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DOCUMENTS
11/18/2022

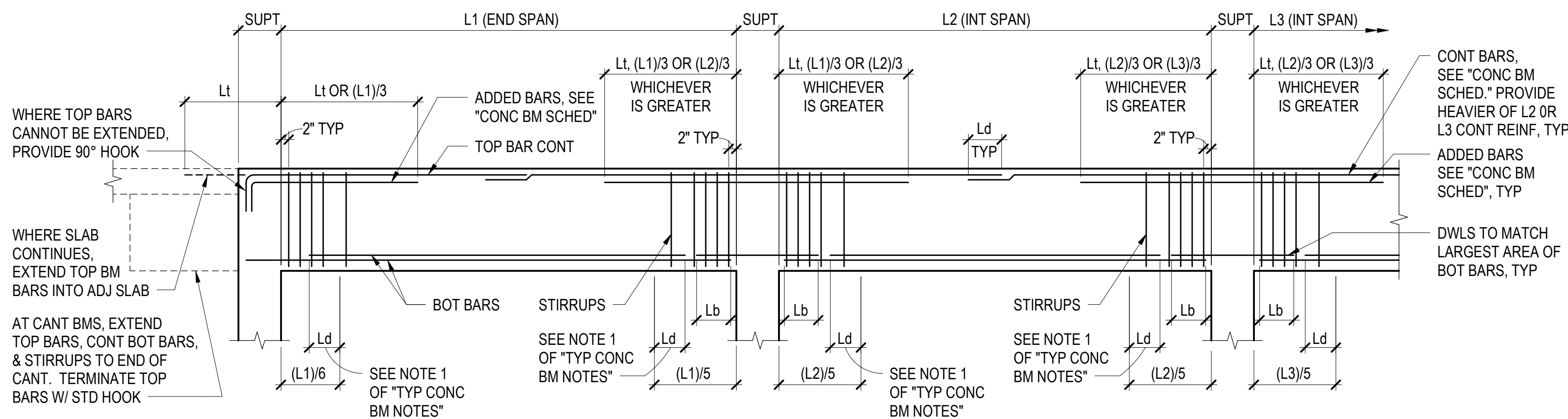
TYPICAL CONCRETE COLUMN DETAILS

S4.01



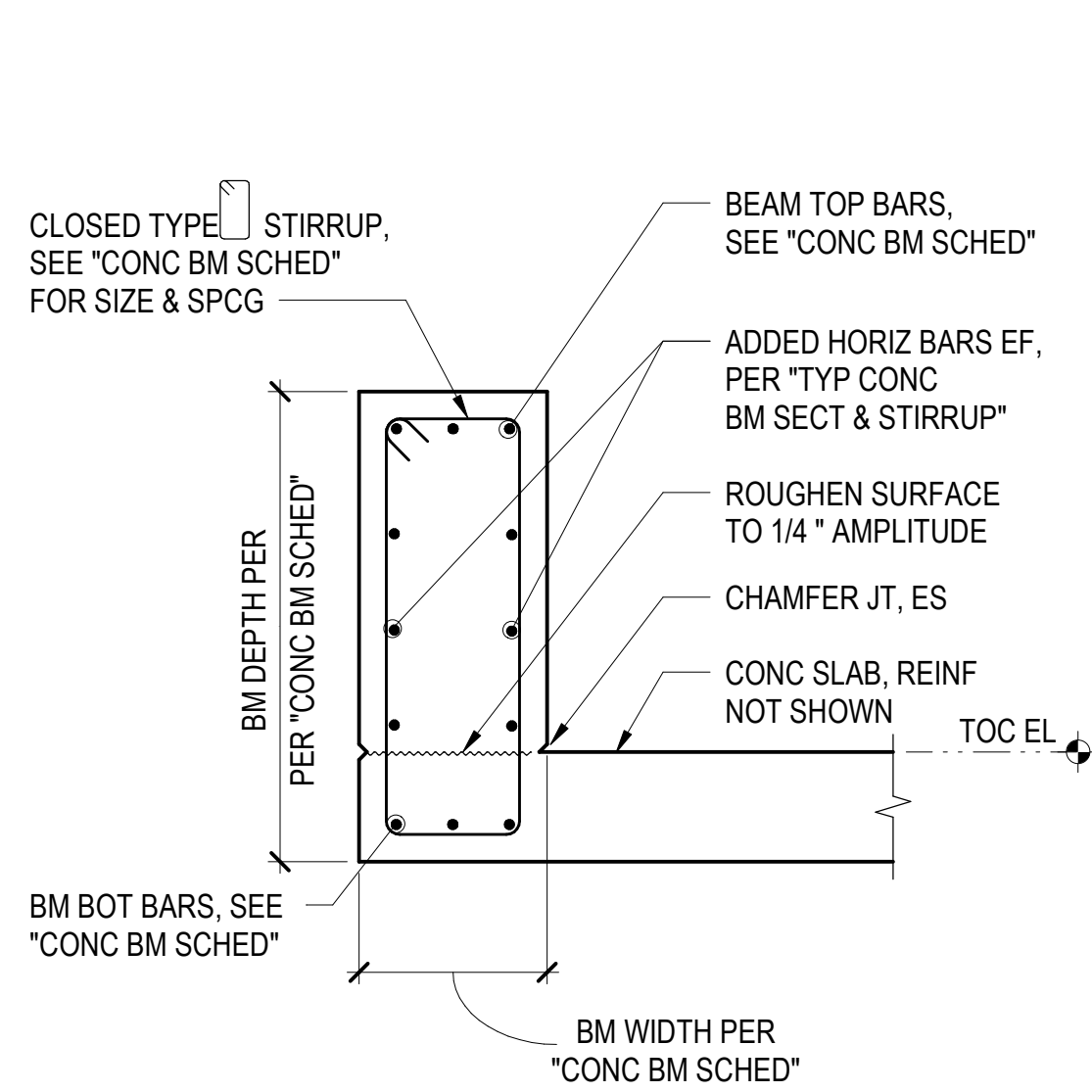
BEAM CONSTRUCTION JOINT

PLAN OF BEAMS

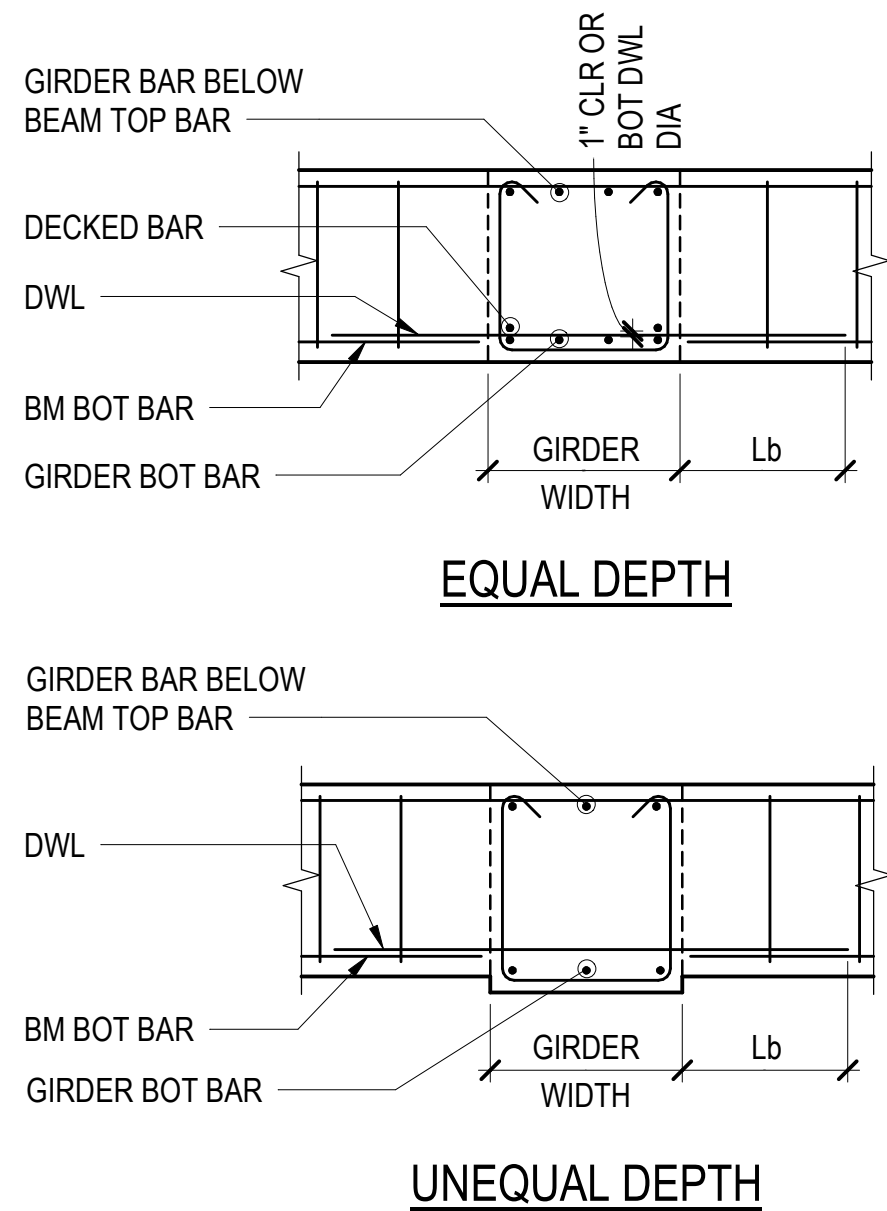


BEAM REINFORCING ELEVATION

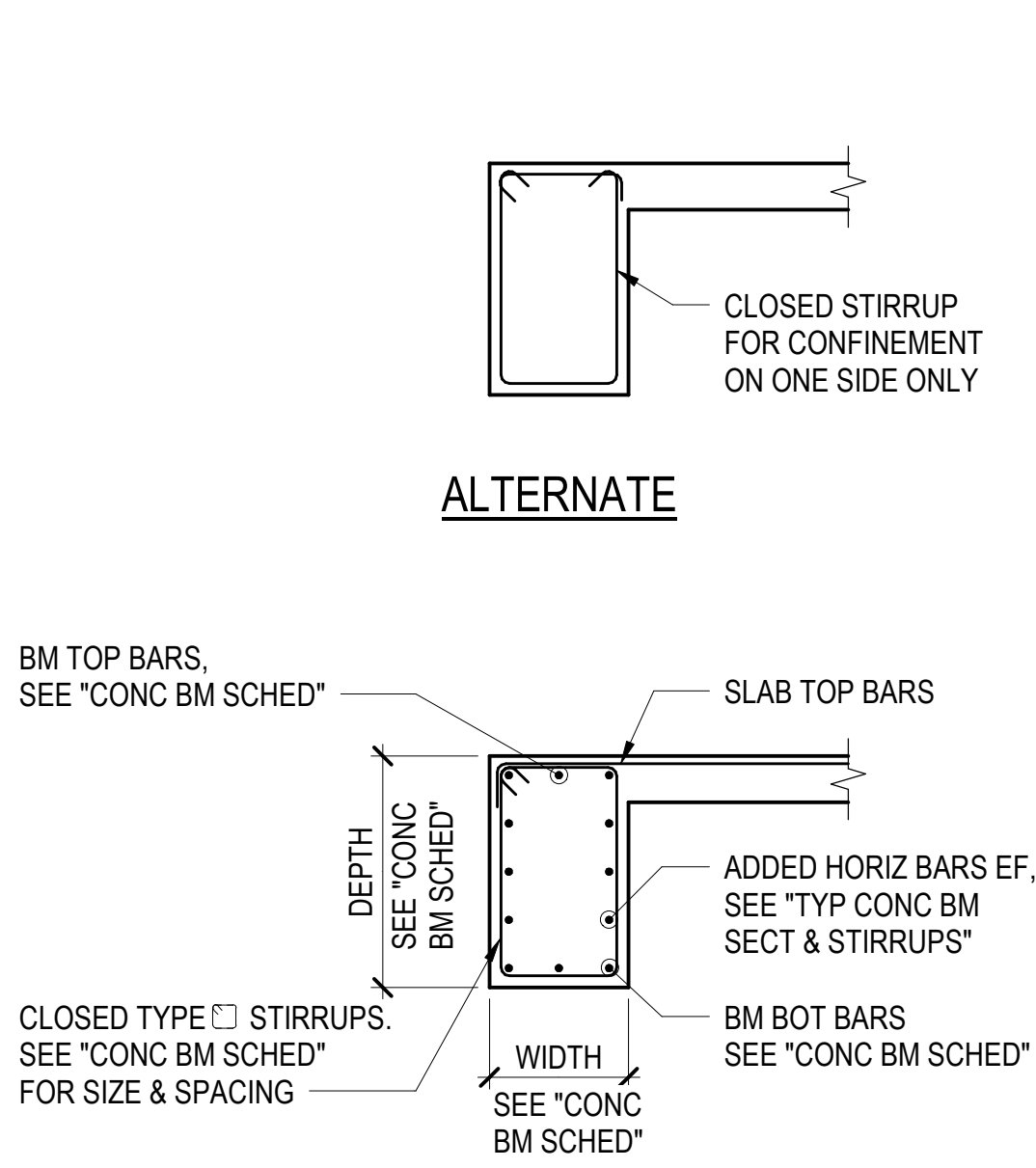
11 TYPICAL CONCRETE BEAM



16 TYPICAL CONCRETE UPTURNED BEAM



17 TYP CONC BM AND GIRDER INTERSECTION



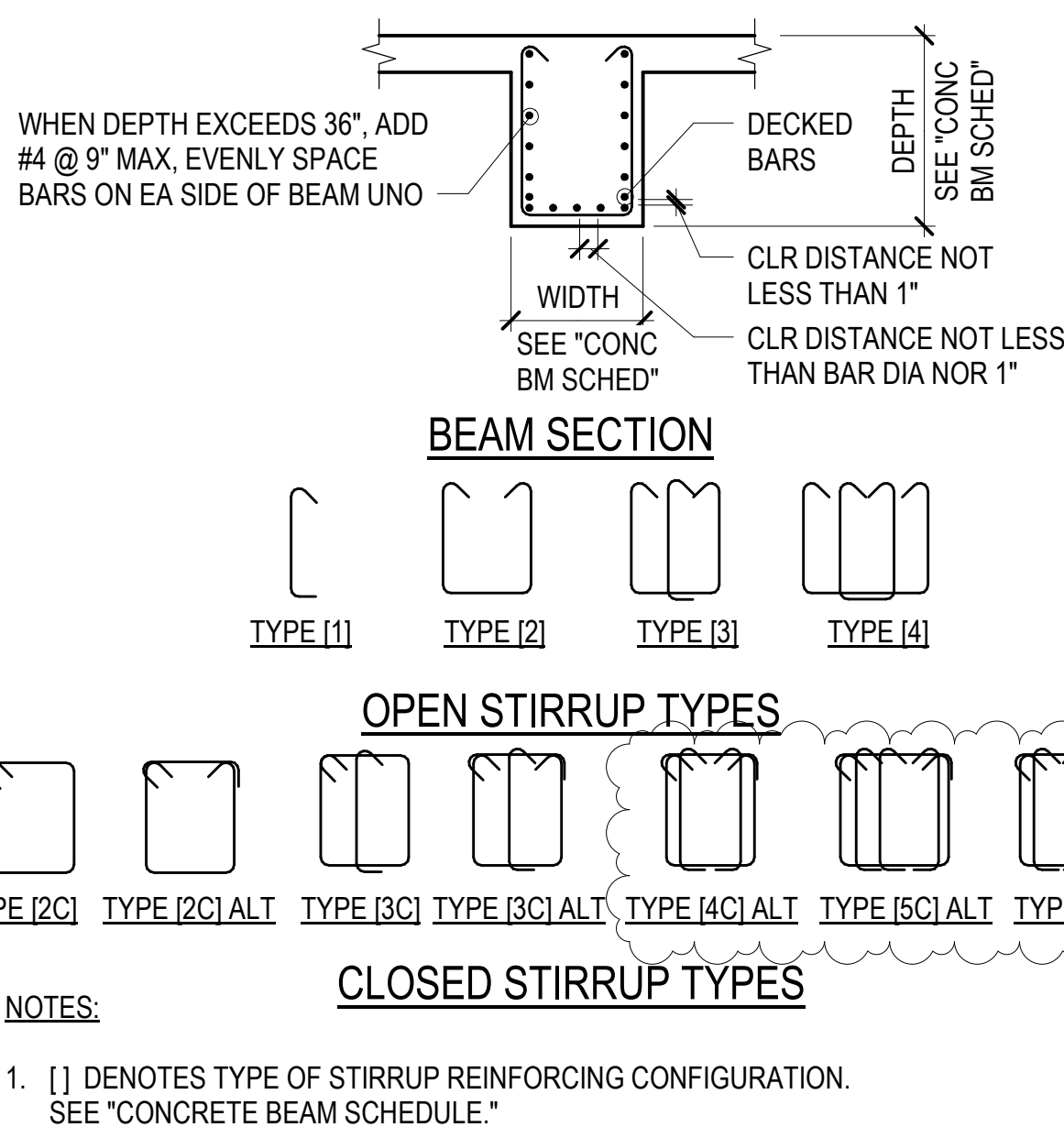
18 TYPICAL CONCRETE EDGE BEAM

CONCRETE BEAM SCHEDULE										
MARK	SIZE (WIDTHxDEPTH)	CAMBER	BOTTOM BARS	TOP BARS			STIRRUPS			REMARKS
				LEFT	CONTINUOU S	RIGHT	LEFT	CONTINUOUS	RIGHT	
B1	12"x18"		(2) #7	(2) #7	(2) #7	(2) #7		#4 @ 6" [2C]		
B2	24"x24"		(3) #8		(7) #8			#5 @ 9" [2C]		
B3	24"x24"		(4) #8	(4) #8	(3) #8	(4) #8		#5 @ 9" [2C]		
B5	24"x22" MIN		(3) #8		(9) #9			#5 @ 9" [2C]		SEE SECTION PER PLAN FOR DEPTH
B6	24"x26 1/2"		(3) #8	(5) #9	(4) #9	(5) #9		#5 @ 9" [2C]		SEE SECTION PER PLAN FOR DEPTH
B7	24"x24"		(3) #8		(10) #9			#5 @ 9" [3C]		
B8	24"x24"		(8) #10	(5) #10		(5) #10		#6 @ 5" [3C]		
B9	30"x24"		(4) #7		(7) #9			#5 @ 9" [3C]		ADD (2) #4 SIDE BAR EA SIDE
B10	30"x24"		(4) #7		(7) #9			#5 @ 9" [3C]		ADD (3) #4 SIDE BAR EA SIDE
B12	30"x22" MIN		(4) #7		(9) #10			#5 @ 9" [3C]		ADD (2) #4 SIDE BAR EA SIDE - SEE SECTION PER PLAN FOR DEPTH
B13	30"x26 1/2"		(5) #7		(10) #10			#5 @ 9" [3C]		ADD (2) #4 SIDE BAR EA SIDE - SEE SECTION PER PLAN FOR DEPTH
B16	30"x24"		(4) #7		(6) #8			#5 @ 6" [3C]		ADD (3) #5 SIDE BAR EA SIDE
B17	30"x24"		(4) #7		(9) #8			#4 @ 9" [4C]		ADD (3) #4 SIDE BAR EA SIDE
B21	30"x22" MIN		(4) #7		(10) #10			#5 @ 6" [3C]		ADD (2) #4 SIDE BAR EA SIDE - SEE SECTION PER PLAN FOR DEPTH
B22	30"x26 1/2"		(6) #8		(10) #10			#5 @ 6" [3C]		ADD (2) #4 SIDE BAR EA SIDE - SEE SECTION PER PLAN FOR DEPTH
B23	30"x26 1/2"		(4) #7		(8) #9			#5 @ 8" [3C]		ADD (2) #4 SIDE BAR EA SIDE - SEE SECTION PER PLAN FOR DEPTH
B26	30"x30"		(3) #7		(4) #7			#5 @ 9" [3C]		
B27	30"x30"		(3) #7		(4) #7			#5 @ 6" [2C]		
B28	18"x24"		(3) #7		(3) #7			#5 @ 5" [2C]		
B29	30"x24"		(4) #7		(6) #8			#5 @ 9" [2C]		
B30	30"x24"		(4) #7		(9) #8			#5 @ 10" [2C]		
B33	24"x32"		(4) #8		(3) #7			#5 @ 14" [2C]		
B34	24"x24"		(4) #8		(4) #8			#5 @ 10" [2C]		
B35	24"x24"		(5) #8		(5) #8			#5 @ 10" [2C]		
B37	18"x32"		(3) #7		(3) #7			#5 @ 5" [2C]		
B38	24"x32"		(4) #7		(4) #8			#5 @ 14" [2C]		
B39	24"x32"		(4) #8		(4) #8			#5 @ 9" [3C]		
B40	24"x32"		(6) #9		(4) #8			#5 @ 9" [3C]		
B41	34"x30"		(6) #8		(6) #8			#5 @ 9" [3C]		
B42	32"x32"		(4) #9		(4) #9			#4 @ 14" [4C]		
B44	24"x48"		(3) #7		(3) #7			#4 @ 14" [3C]		
B45	24"x48"		(3) #8		(3) #8			#4 @ 14" [3C]		
B46	24"x32"		(3) #8		(3) #8			#4 @ 14" [3C]		
B47	24"x32"		(3) #9		(5) #9			#4 @ 14" [3C]		
B48	24"x50"		(3) #9		(3) #9			#4 @ 14" [3C]		
B49	24"x32"		(3) #9		(3) #9			#4 @ 14" [3C]		
B50	12"x39"		(3) #7		(3) #7			#4 @ 14" [3C]		
B51	18"x32"		(4) #8		(4) #8			#4 @ 10 [4C]		
B52	32"x72"		(14) #11	(3) #10	(4) #10	(3) #10		#5 @ 6" [4C]		
B53	18"x36"		(4) #8	(2) #8	(3) #8	(2) #8		#5 @ 12" [2C]		
B54	24"x32"		(3) #7		(3) #7			#4 @ 14" [3C]		
B56	18"x37"		(3) #9		(3) #9			#4 @ 14" [3C]		
B57	24"x32"		(3) #9		(3) #9			#4 @ 14" [3C]		
B58	30"x36"		(4) #9	(3) #7	(4) #9	(3) #7	(13) #5 @ 6" [4C]	#5 @ 14" [4C]	(13) #5 @ 6" [3C]	
B59	24"x62"		(4) #9		(4) #9			#4 @ 12" [4C]		
B61	24"x39"		(6) #10		(6) #8			#4 @ 14" [4C]		
B62	24"x74"		(3) #8		(3) #8			#4 @ 14" [3C]		
B63	24"x72"		(5) #11		(5) #11			#4 @ 14" [3C]		
B64	32"x72"		(8) #11		(8) #11			#5 @ 8" [4C]		
B65	24"x60"		(6) #11		(6) #9			#5 @ 14" [4C]		
B66	24"x74"		(5) #11		(5) #11			#4 @ 14" [3C]		
B67	24"x26"		(3) #8		(3) #8			#4 @ 14" [3C]		
B68	24"x62"		(4) #9		(4) #9			#4 @ 14" [4C]		
B69	30 1/2"x48"		(4) #11		(4) #11			#4 @ 14" [4C]		
B71	40"x42"		(11) #18	(6) #11	(6) #11	(6) #11		#6 @ 4" [4C]		
B72	60"x42"		(14) #11		(8) #9			#5 @ 6" [7C]		
B73	38 1/2"x24"									SEE DETAIL 18/S5.05
B74	24"x67"									
B75	36"x30"		(5) #8		(6) #10			#6 @ 6" [5C]		

NOTES:

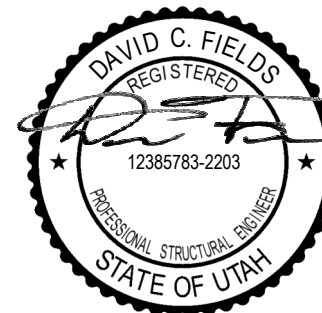
- SEE "TYPICAL CONCRETE BEAM" DETAIL.
- [] DENOTES TYPE OF REINFORCING CONFIGURATION.
SEE "TYPICAL CONCRETE BEAM SECTION AND STIRRUPS" DETAIL FOR STIRRUP TYPE.

13 CONCRETE BEAM SCHEDULE



NOTES:

- [] DENOTES TYPE OF STIRRUP REINFORCING CONFIGURATION.
SEE "CONCRETE BEAM SCHEDULE."



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DEER VALLEY, UTAH

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ASSOCIATES

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Seattle Chicago
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206.292.1200

principal architect _____

project manager _____

drawn by _____

checked by _____

job no. 20052

date 11/18/2022

revisions:

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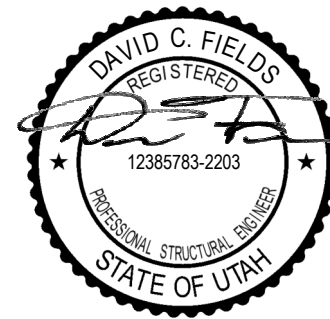
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TYPICAL
CONCRETE BEAM
DETAILS AND
SCHEDULE

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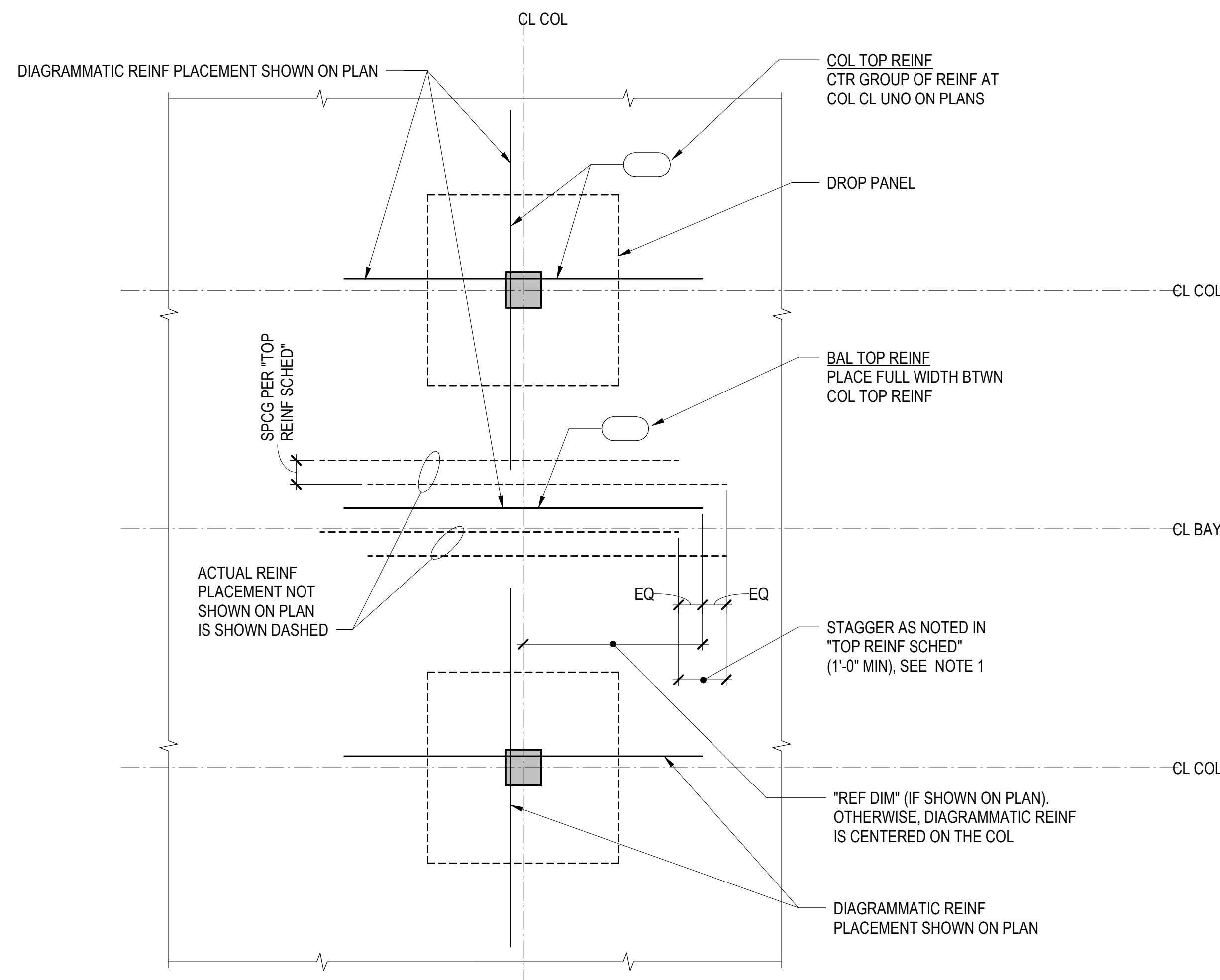
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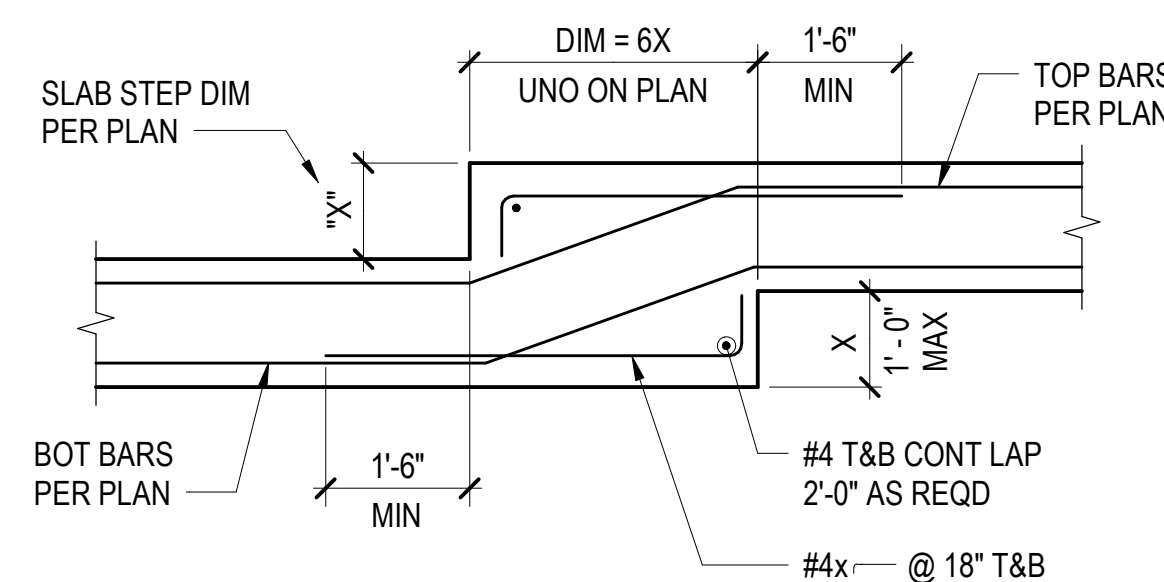
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NOTES:

1. STAGGERED CONDITION APPLIES TO ALL TOP BARS EXCEPT HOOKED BARS AT SLAB EDGES.

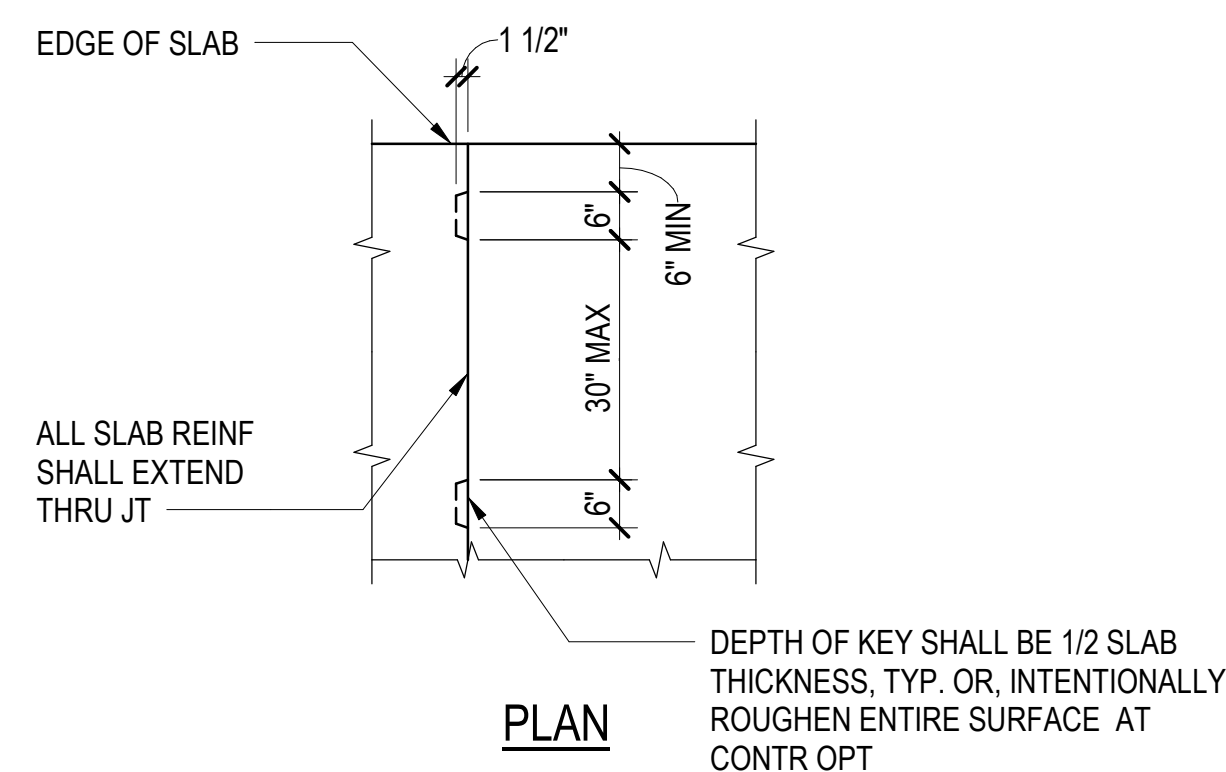
9 TYPICAL MILD SLAB TOP REINFORCING PLACEMENT



NOTES:

1. THIS DETAIL ONLY APPLIES TO MILD REINFORCED SLABS.

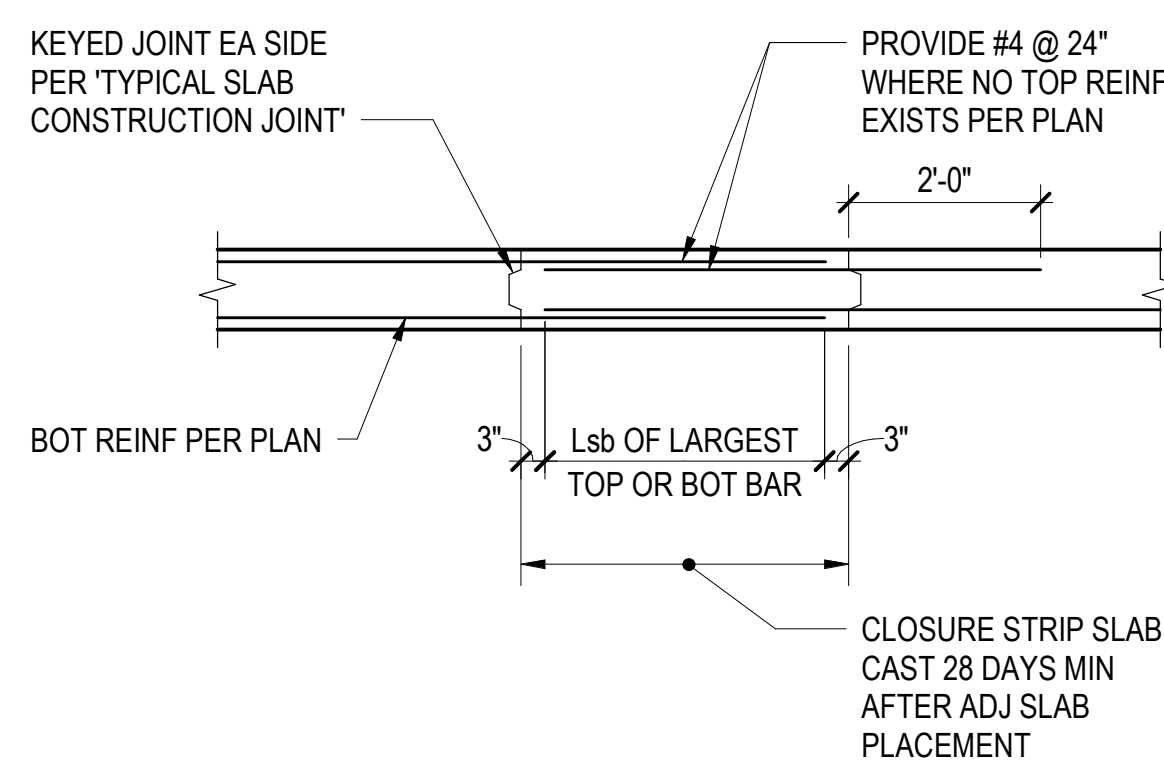
13 TYPICAL MILD SLAB STEP REINFORCING



NOTES:

1. LOCATE ALL CONSTRUCTION JOINTS WITHIN THE MIDDLE THIRD OF THE SPAN. SUBMIT LOCATIONS OF ALL CONSTRUCTION JOINTS TO ENGINEER FOR REVIEW AND ACCEPTANCE PRIOR TO FORMING.
2. PROVIDE #4x5'-0" @ 24" CENTERED ACROSS CONSTRUCTION JOINT AT LOCATIONS WHERE TOP SLAB REINFORCING IS NOT SPECIFIED PER PLAN.

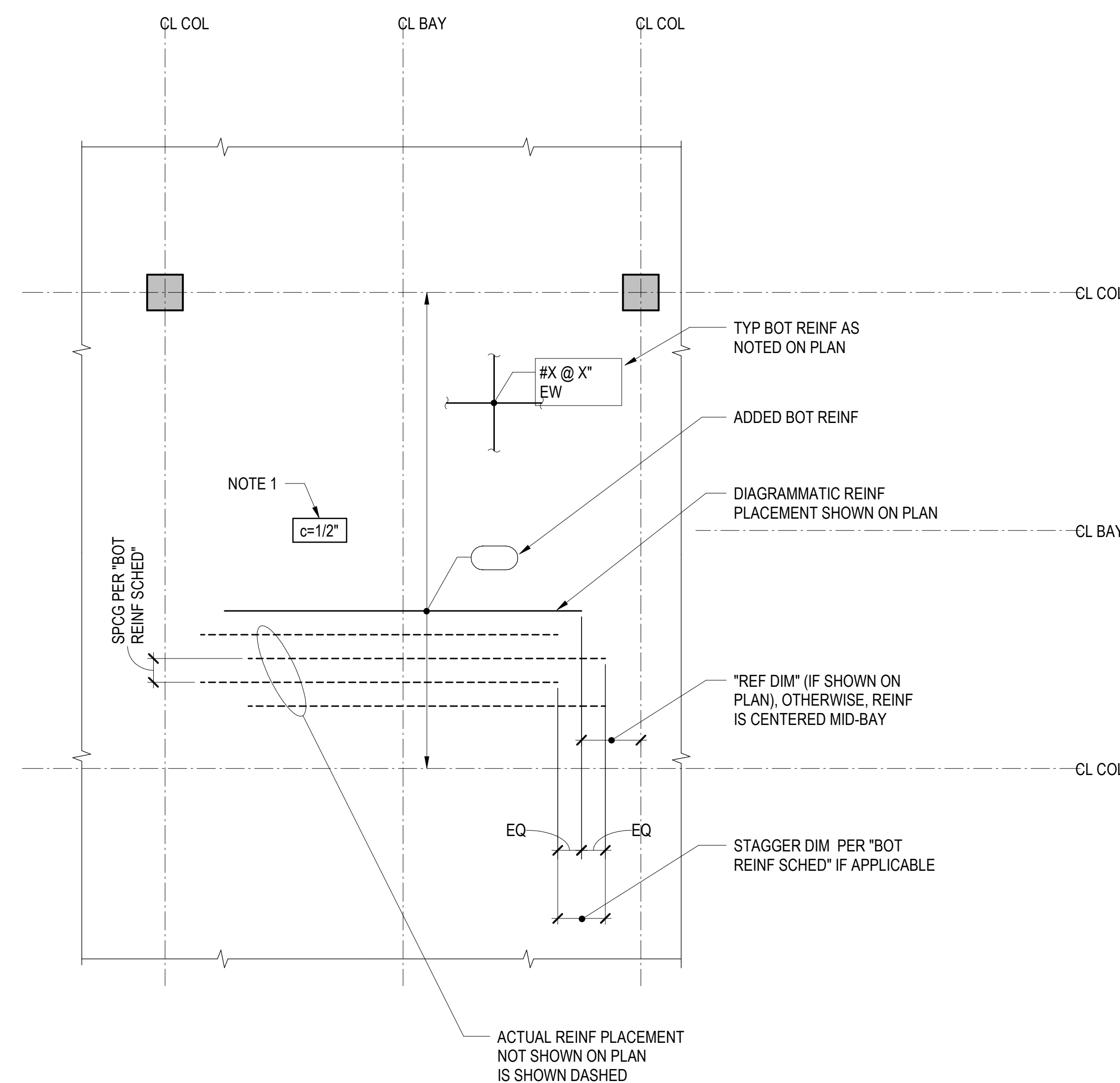
17 TYPICAL SLAB CONSTRUCTION JOINT



NOTES:

1. SHORE SLAB UNTIL CLOSURE STRIP REACHES 28 DAY DESIGN STRENGTH.
2. REINFORCING IN OPPOSITE DIRECTION IS PER PLANS.

18 TYPICAL MILD SLAB CLOSURE STRIP



NOTES:

1. WHEN NO EXTENT LINES EXIST AT MILD SLAB CAMBER, A SINGLE HIGH POINT AT MID-BAY IS INDICATED. THE SURROUNDING SLAB SLOPES AWAY TOWARD THE ADJACENT COLUMNS OR WALLS.

19 TYPICAL MILD SLAB BOTTOM REINFORCING PLACEMENT

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project manager _____
drawn by _____

checked by _____
job no. 20052
date 11/18/2022

revisions:

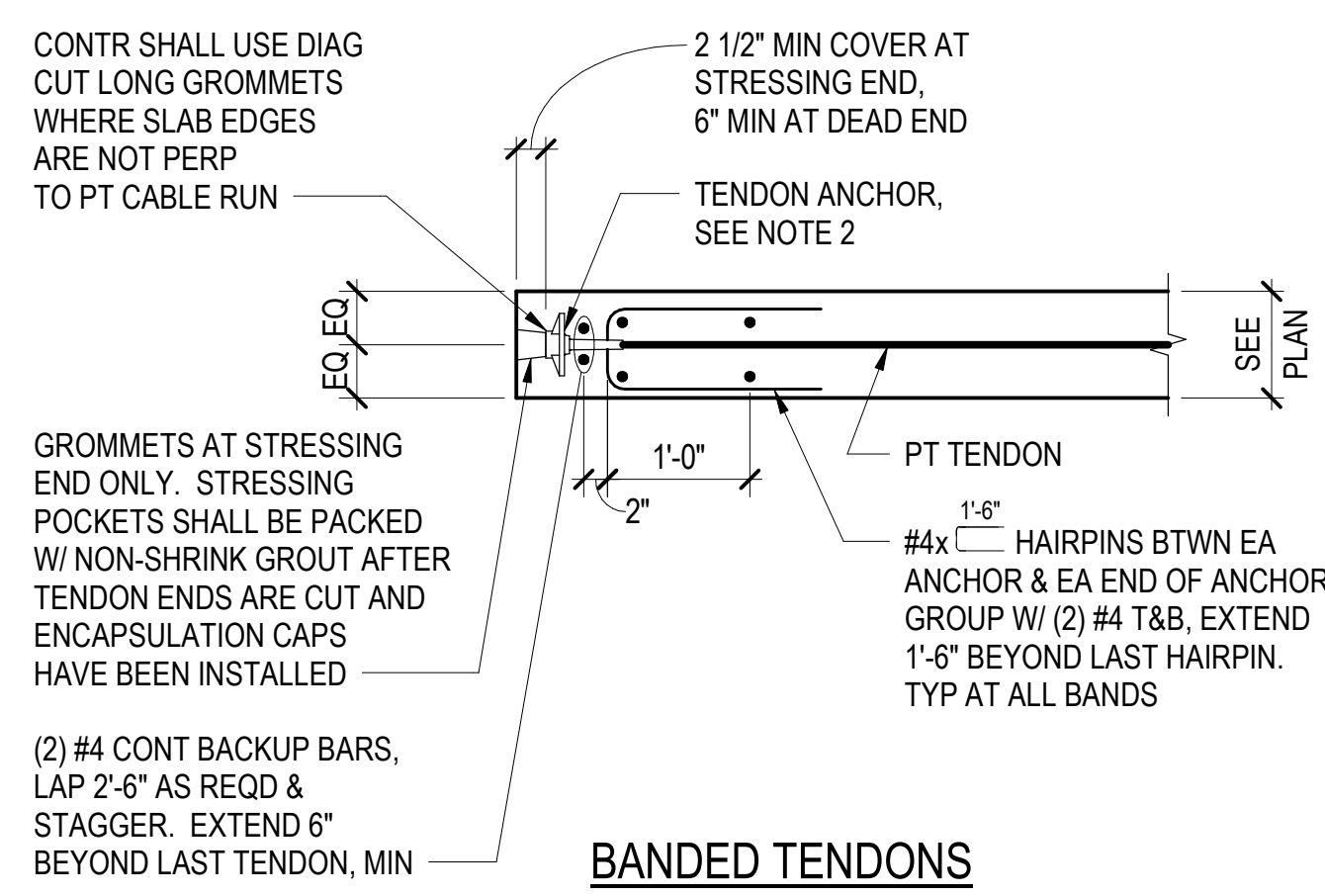
1 11/18/2022 IFC
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DOCUMENTS

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TYPICAL MILD SLAB
DETAILS

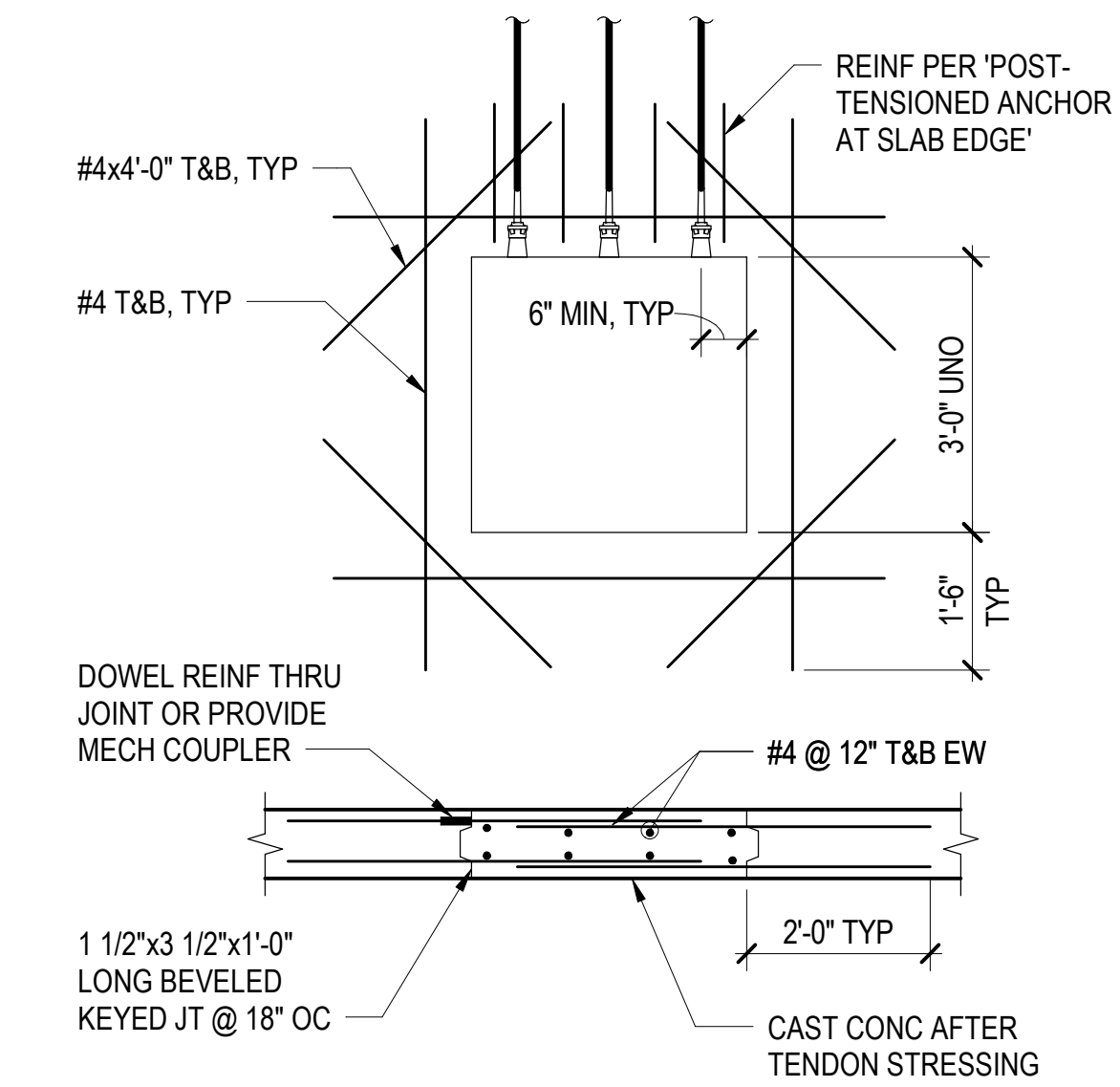
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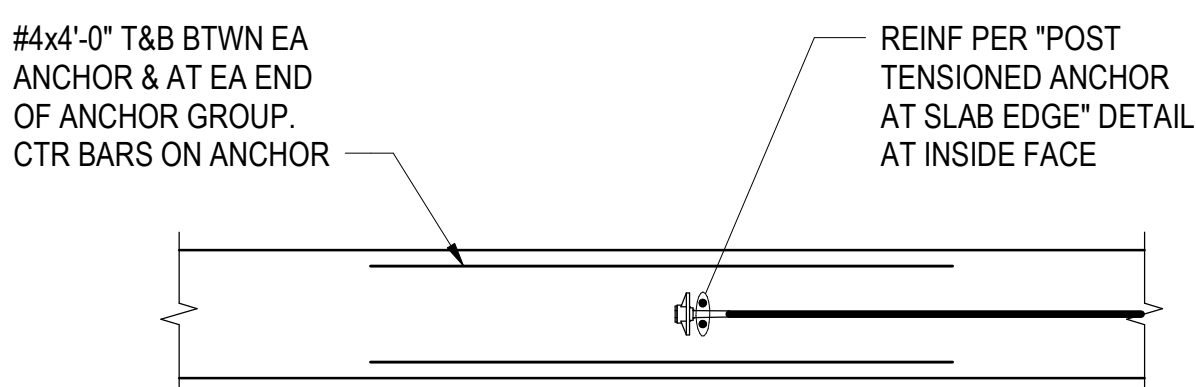
NOTES:

- BANDED TENDON DETAIL APPLIES FOR GROUPS OF FOUR OR MORE TENDONS WHERE ANCHOR SPACING IS LESS THAN 12 INCHES.
- PLACE ANCHORS VERTICALLY IN SLABS GREATER THAN OR EQUAL TO 7 INCHES THICK. PLACE ANCHORS HORIZONTALLY FOR SLABS LESS THAN 7 INCHES THICK.

1 TYPICAL POST-TENSIONED ANCHOR AT SLAB EDGE



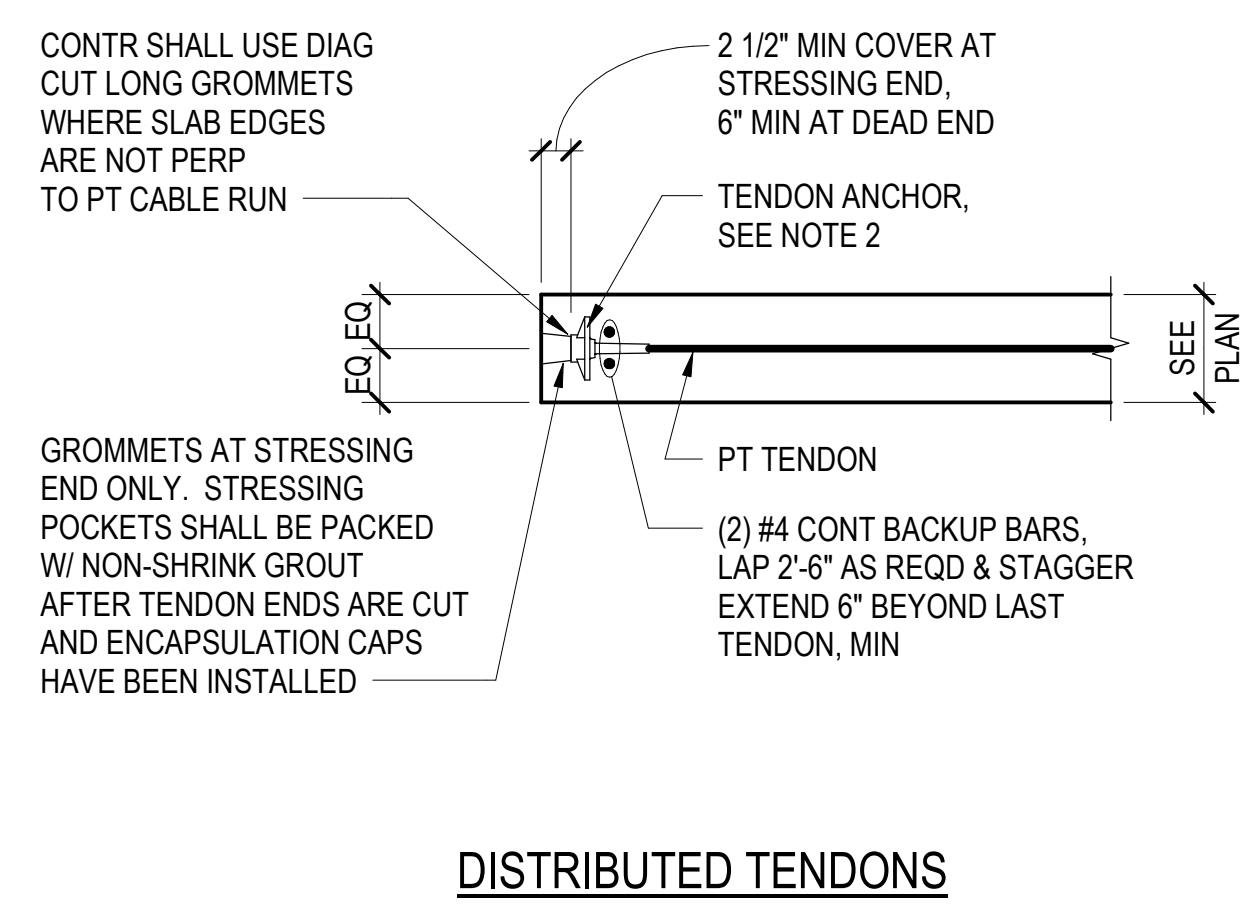
6 TYPICAL STRESSING BLOCKOUT



NOTES:

- ACCEPTABLE FOR BAR PROVIDED ON PLAN TO SATISFY NOTED REINFORCEMENT REQUIREMENTS.

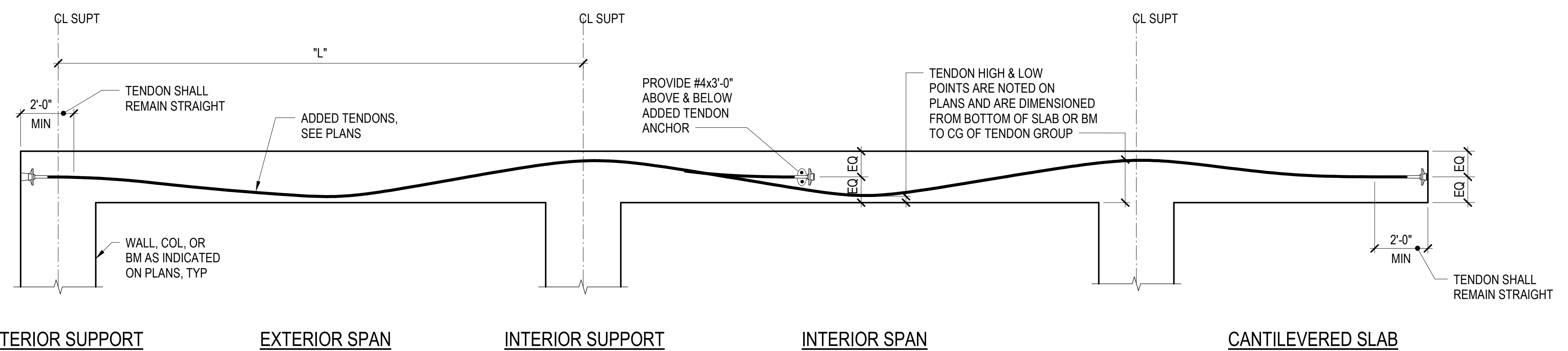
11 TYP PT ANCHOR AWAY FROM SLAB EDGE



NOTES:

- A MINIMUM OF TWO TENDONS ARE TO PASS DIRECTLY OVER COLUMN WITHIN COLUMN VERTICAL REINFORCING EACH WAY.
- LEGEND:
W = COLUMN WIDTH
D = DEPTH OF SLAB OR DEPTH OF SLAB PLUS DROP PANEL.

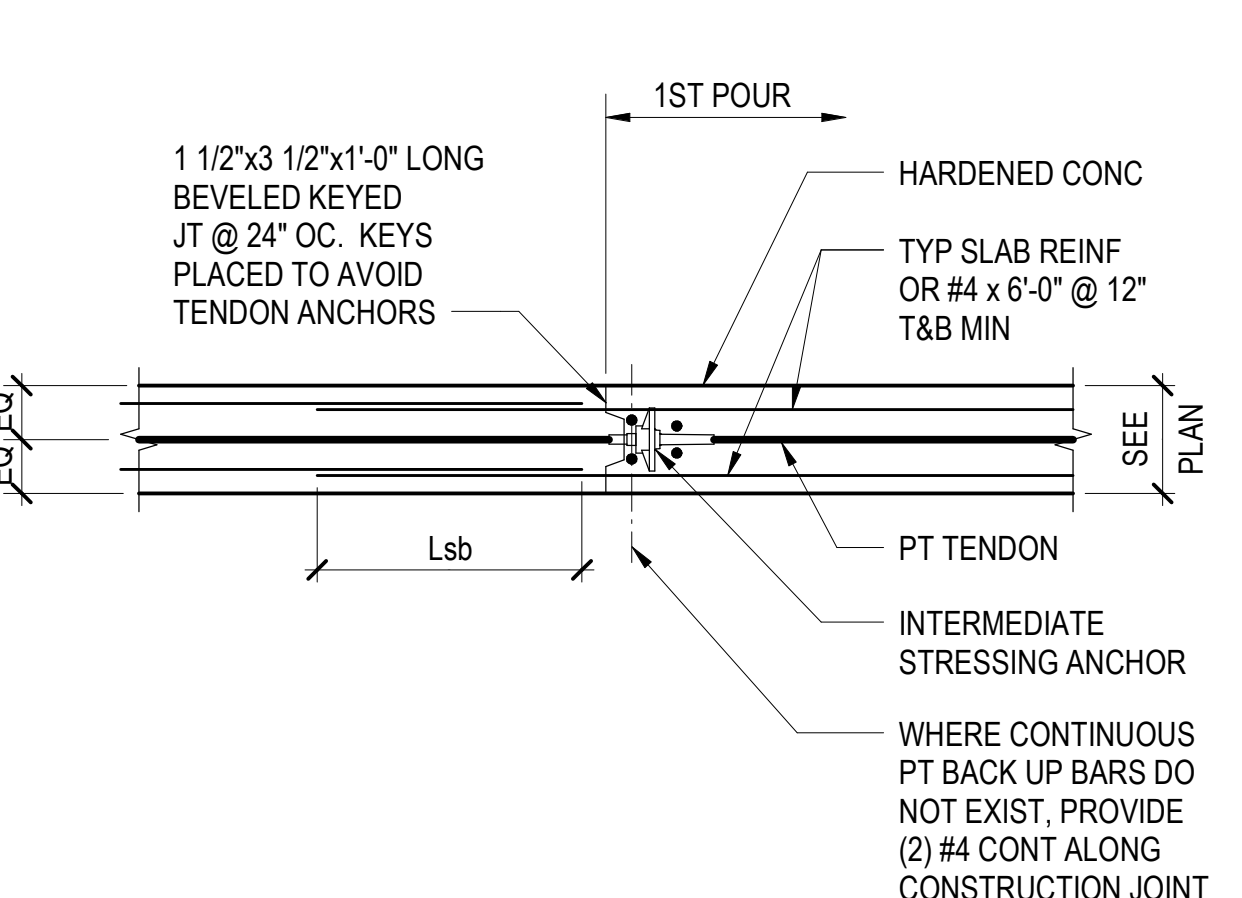
3 TYPICAL POST-TENSIONED REINFORCING AT SUPPORT FOR TWO-WAY SLABS



NOTES:

- SEE PLANS FOR TENDON LAYOUT.
- TENDON LOW POINTS ARE LOCATED MIDWAY BETWEEN HIGH POINTS UNLESS NOTED OTHERWISE.
- TRAPE TENDON IN PARABOLIC PROFILE BETWEEN LOW AND HIGH POINTS.
- DROP PANELS, WHERE THEY OCCUR, ARE NOT SHOWN FOR CLARITY.

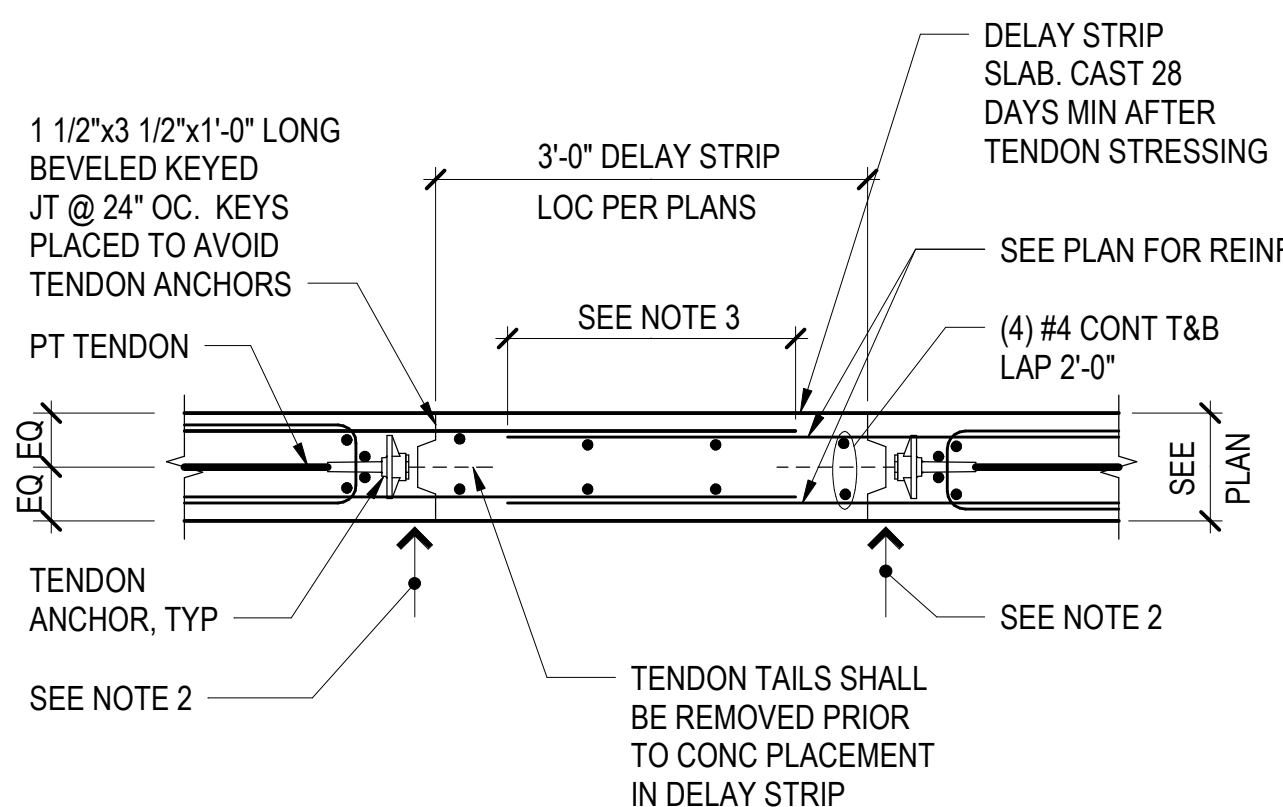
3 TYPICAL POST-TENSIONED REINFORCING AT SUPPORT FOR TWO-WAY SLABS



NOTES:

- CONTRACTOR TO SUBMIT LOCATIONS OF CONSTRUCTION JOINTS TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
- SEE \"TYPICAL POST-TENSION ANCHOR AT SLAB EDGE\" DETAIL FOR ADDITIONAL REINFORCING AT ANCHOR.

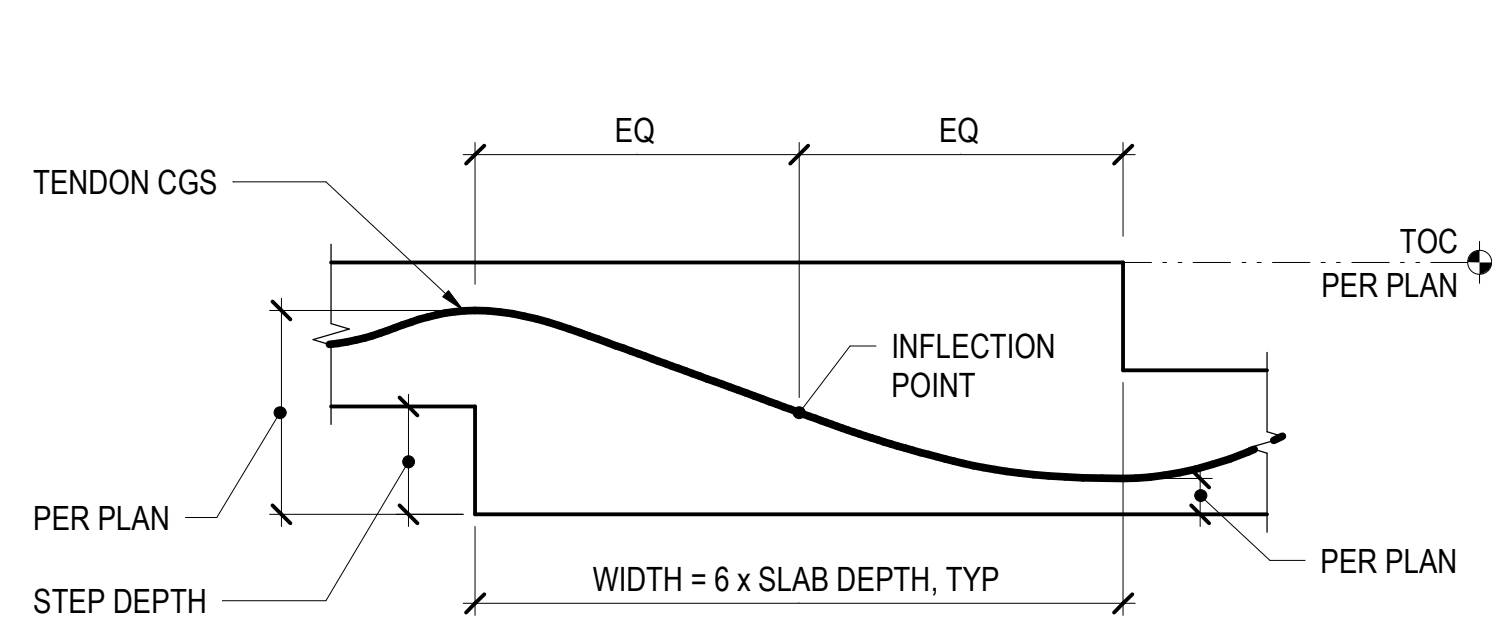
7 TYP POST-TENSIONED SLAB CONST JOINT



NOTES:

- SEE \"TYPICAL POST-TENSION ANCHOR AT SLAB EDGE\" DETAIL FOR ADDITIONAL REINFORCING AT ANCHOR.
- SHORE SLAB UNTIL DELAY STRIP HAS REACHED 28 DAY DESIGN STRENGTH.
- LAP SPlice Lsb UNLESS NOTED OTHERWISE. WHERE LAP CANNOT BE ACHIEVED, PROVIDE BAR COUPLERS THAT REMAIN UNFASTENED UNTIL JUST PRIOR TO CASTING OF CLOSURE STRIP.

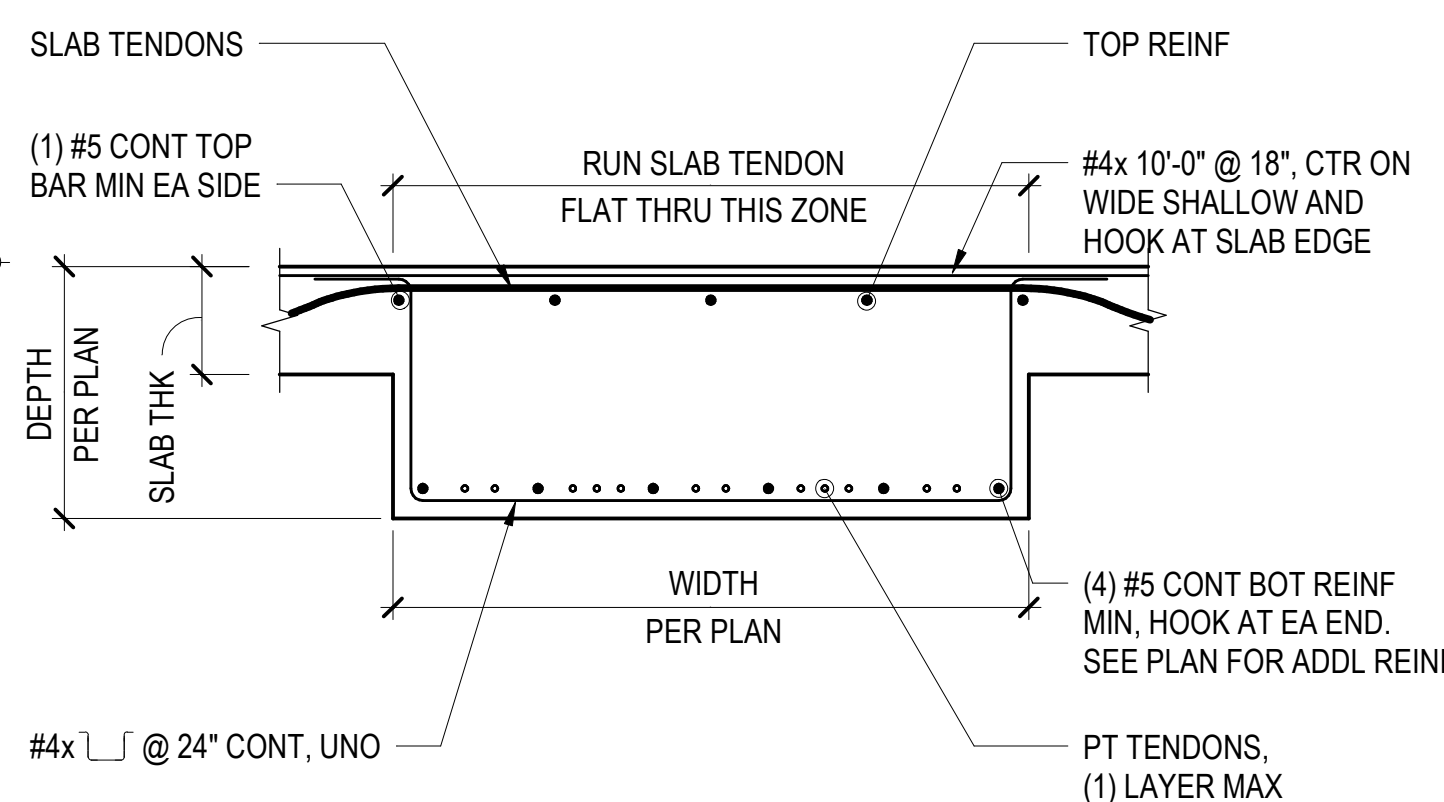
12 TYPICAL POST-TENSIONED DELAY STRIP



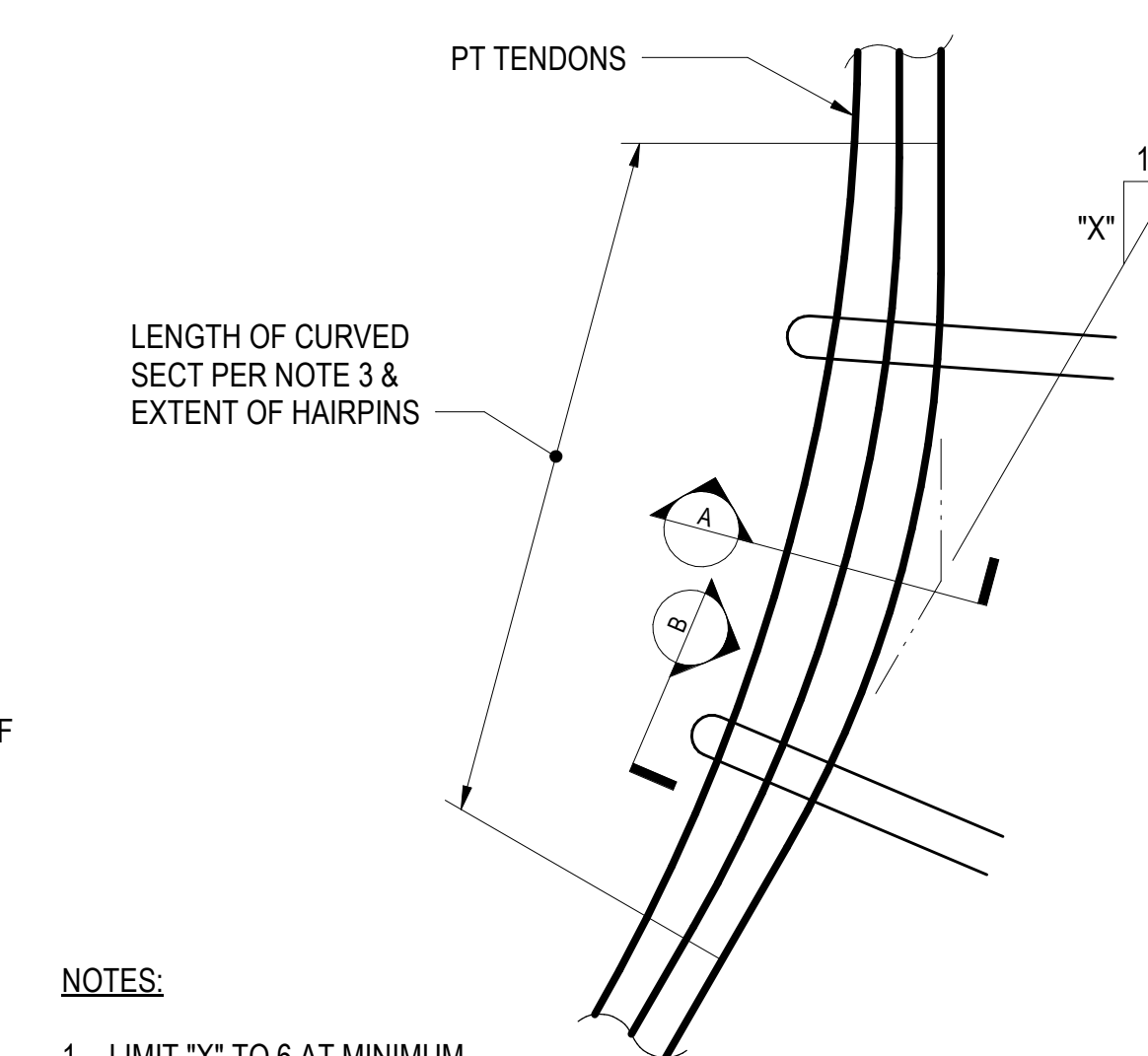
NOTES:

- SEE \"TYPICAL MILD SLAB STEP REINFORCING\" FOR REINFORCEMENT AT STEP, NOT SHOWN HERE.

17 TYPICAL PT SLAB STEP



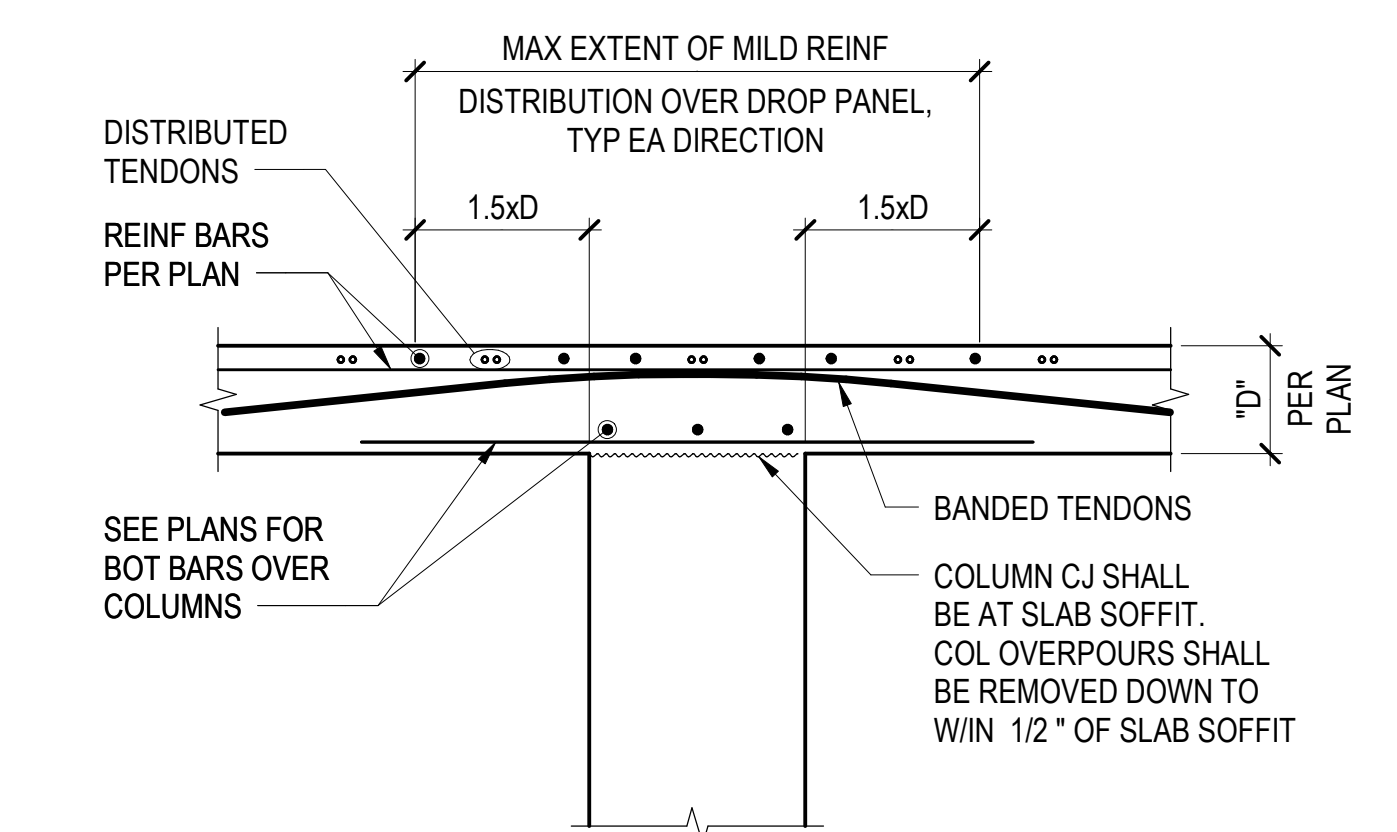
18 TYPICAL PT WIDE SHALLOW



NOTES:

- LIMIT \"X\" TO 6 AT MINIMUM.
- WHERE \"X\" IS 12 OR GREATER, NO HAIRPINS ARE REQUIRED.
- MINIMUM LENGTH OF CURVED SECTION IS EQUAL TO 20X (IN FEET).

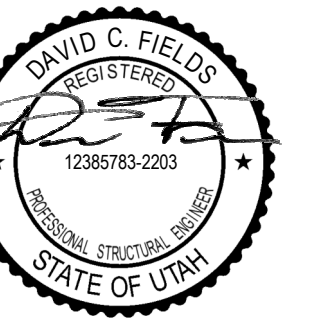
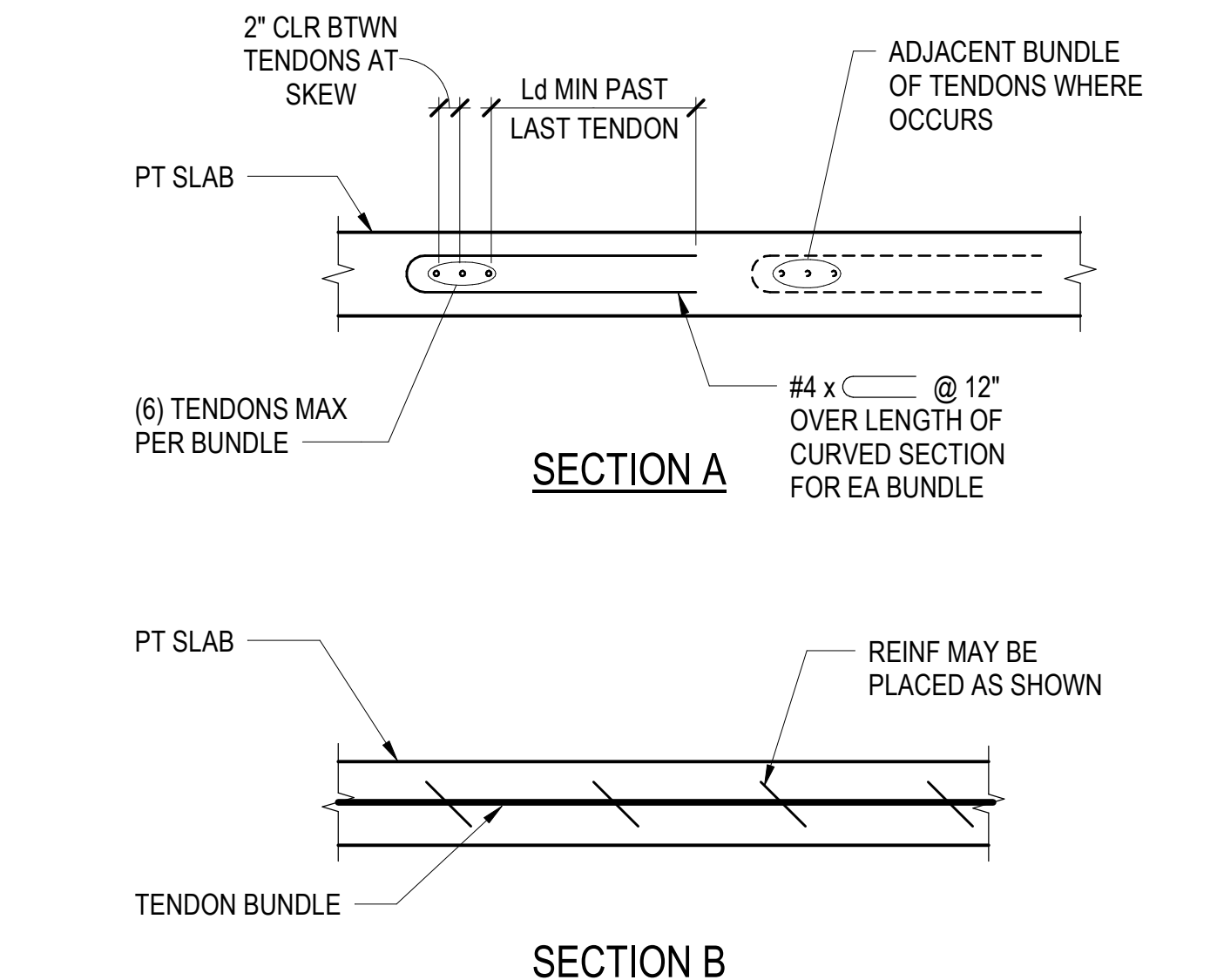
19 TYPICAL SKEWED TENDON REINFORCEMENT



NOTES:

- SLAB SHEAR REINFORCING NOT SHOWN.

15 TYPICAL COLUMN / SLAB INTERSECTION



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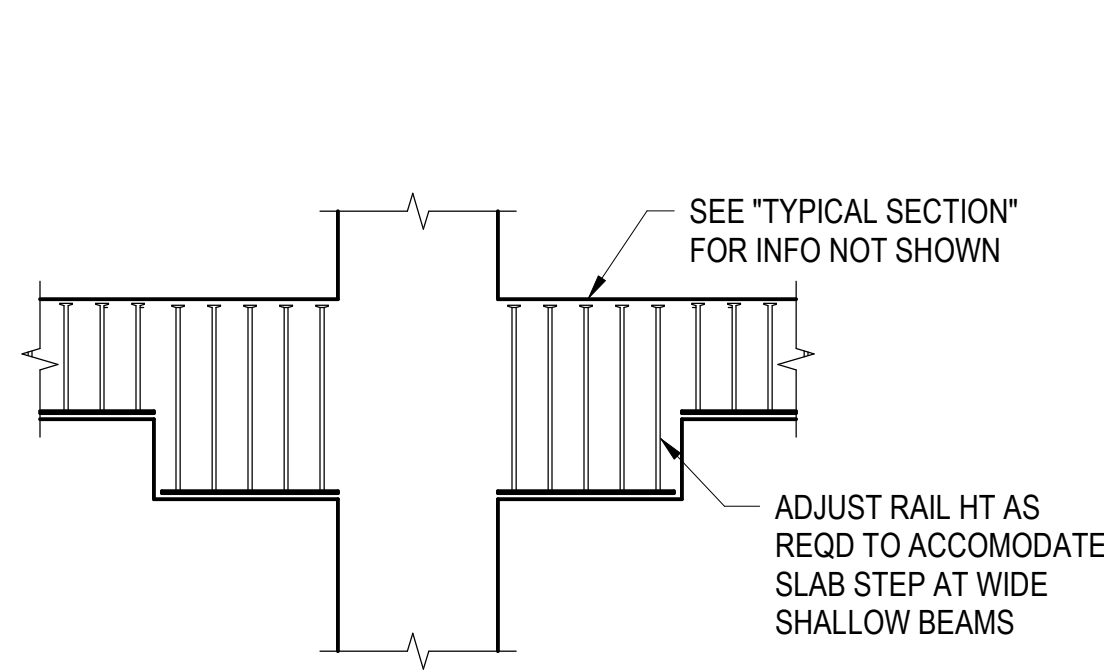
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principal architect	_____
project manager	_____
drawn by	_____
checked by	_____
job no.	20052
date	11/18/2022
revisions:	_____
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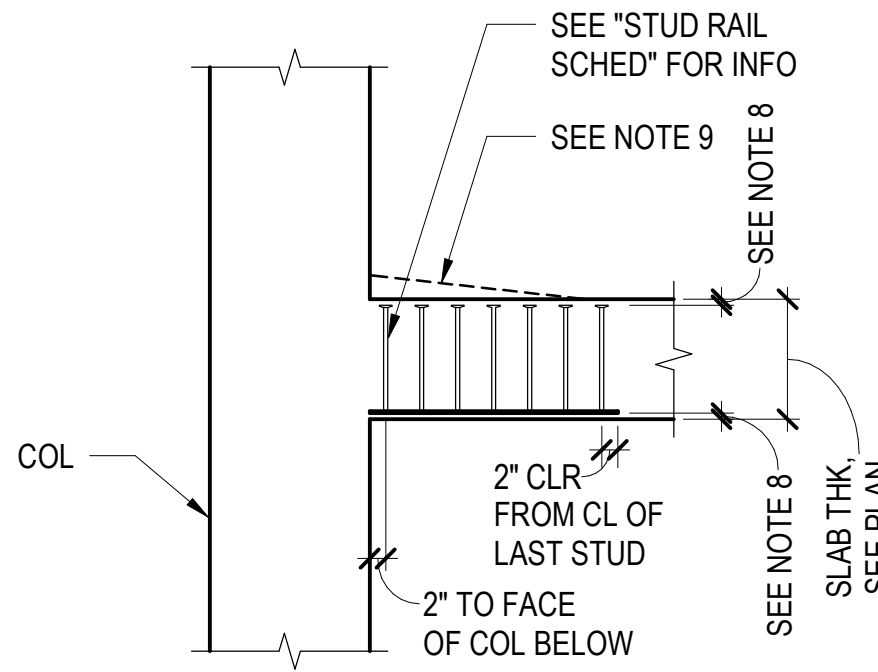
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TYPICAL POST-TENSIONED SLAB DETAILS

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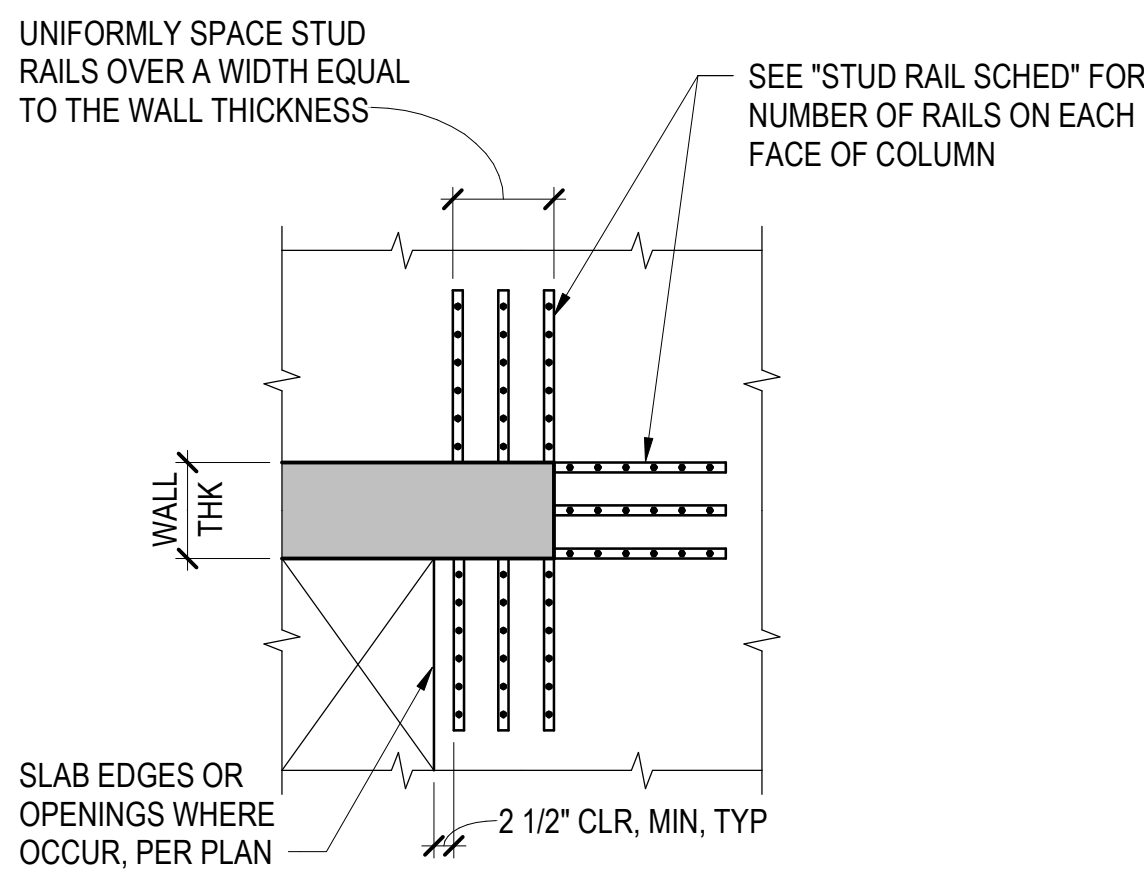


SECTION AT WIDE SHALLOW BEAMS



SECTION

2 TYPICAL STUD RAIL SECTION



7 TYPICAL SLAB SHEAR REINFORCEMENT AT WALLS

NOTES:

1. SEE PLANS FOR LOCATIONS WHERE SLAB SHEAR REINFORCING IS REQUIRED.
2. SLAB SHEAR REINFORCEMENT SHALL CONFORM TO ASTM A1044.
3. ALL STUD RAILS SHALL BE CLEARLY MARKED WITH BRIGHT PAINT TO INDICATE STUD RAIL TYPE.
4. COORDINATE PLACEMENT WITH POST-TENSIONED TENDONS AND ANCHORAGES. PROVIDE POSITIVE MEANS TO KEEP REINFORCEMENT IN PLACE DURING CONCRETE PLACEMENT.
5. NUMBER OF RAILS PER COLUMN SIDE IS PER "STUD RAIL SCHEDULE."
6. PLACE OUTER STUD RAILS FLUSH WITH CORNERS OF COLUMN UNLESS NOTED OTHERWISE. EQUALLY SPACE RAILS ON EACH FACE OF COLUMN.
7. SEE PLANS FOR REINFORCING THROUGH COLUMNS, TYPICAL.
8. STUD RAIL CLEAR COVER MATCHES ADJACENT SLAB REINFORCING, TOP AND BOTTOM, REFER TO "GENERAL NOTES."
9. WHERE TOP OF SLAB SLOPES (REFER TO PLANS), DETERMINE STUD HEIGHT BASED ON MINIMUM SLAB THICKNESS OVER THE LENGTH OF THE RAIL. ALL STUDS ON A SINGLE RAIL SHALL HAVE THE SAME HEIGHT.
10. WHERE SLAB EDGE IS NOT FLUSH WITH COLUMN FACE, SEE "TYPICAL TRIMMED STUD RAIL" DETAIL.
11. AT BALCONIES OR SLAB DEPRESSIONS, SEE "TYPICAL SLAB STEP STUD RAIL LAYOUT" DETAIL.

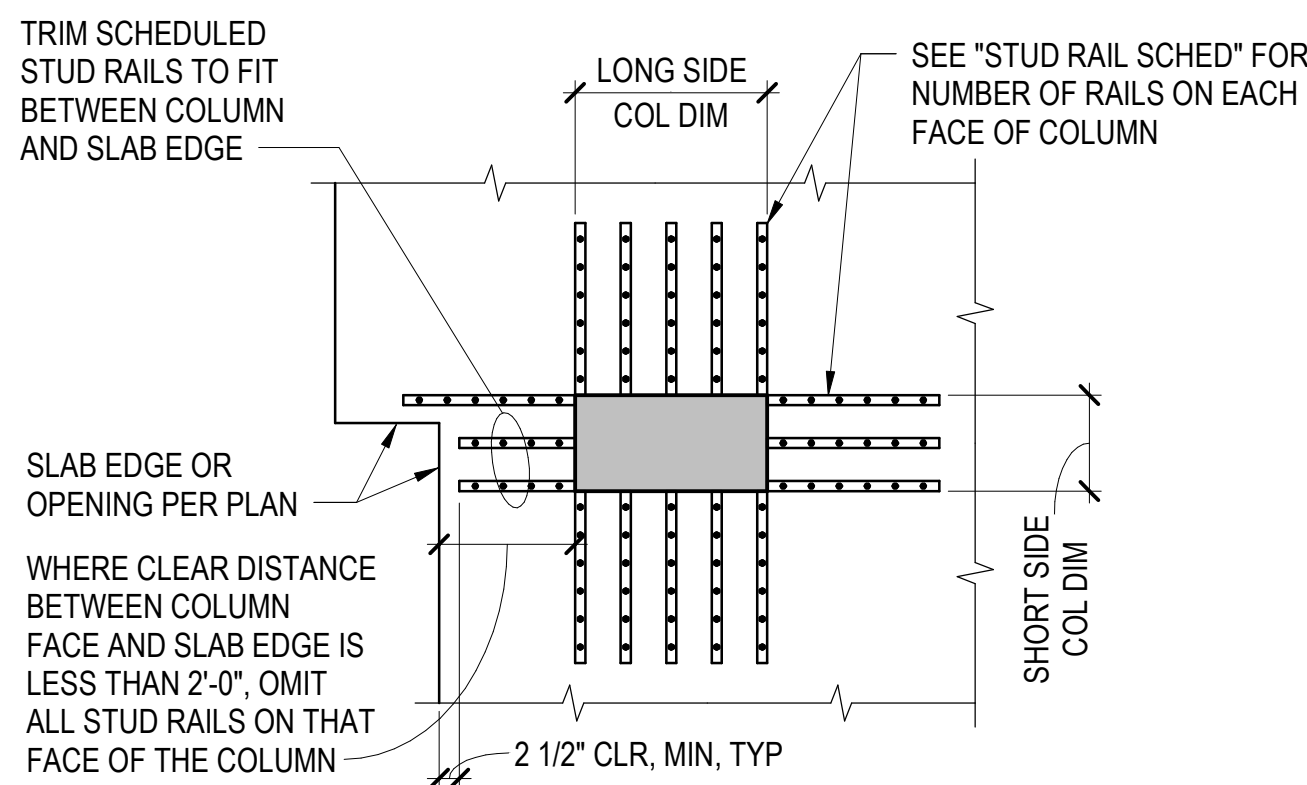
8 TYPICAL STUD RAIL NOTES

STUD RAIL SCHEDULE								
MARK	COLUMN LONG SIDE NUMBER OF RAILS	COLUMN SHORT SIDE NUMBER OF RAILS	STUD DIAMETER (IN)	STUD SPACING (IN)	NUMBER OF STUDS PER RAIL	POST-TENSIONED SLAB INTEGRITY BARS PER SIDE		REMARKS
						LONG DIMENSION	SHORT DIMENSION	
R1	3	3	1/2	3	11	(5) #5x7'-6"	(5) #5x7'-6"	
R2	4	3	1/2	3	11	(4) #5x7'-6"	(3) #5x7'-6"	
R3	6	2	1/2	3	11	(7) #5x10'-0"	(3) #5x10'-0"	
R4	3	3	1/2	3	14	(4) #5x7'-6"	(4) #5x7'-6"	
R5	3	3	1/2	3	17	(4) #5x7'-6"	(4) #5x7'-6"	
R6	4	3	1/2	3	25	(4) #5x7'-6"	(3) #5x7'-6"	
R7	3	3	1/2	3	14	(5) #5x7'-6"	(5) #5x7'-6"	
R8	4	3	1/2	3	15	(4) #5x7'-6"	(3) #5x7'-6"	
R9	4	3	1/2	3	19	(7) #5x10'-0"	(6) #5x10'-0"	
R10	5	3	1/2	3	19	(7) #5x10'-0"	(6) #5x10'-0"	
R11	4	4	1/2	3	25	(7)#5x10'-0"	(6)#5x10'-0"	
R12	6	2	1/2	3	19	(7) #5x10'-0"	(5) #5x10'-0"	
R13	3	3	1/2	3	22	(5) #5x7'-6"	(5) #5x7'-6"	
R14	4	4	1/2	3	17	(7) #5x10'-0"	(7) #5x10'-0"	
R16	4	4	1/2	4	11			
R17	11	4	1/2	4	11			
R18	5	3	1/2	3	19			
R19	6	4	1/2	3	17	(8) #5x10'-0"	(8) #5x10'-0"	

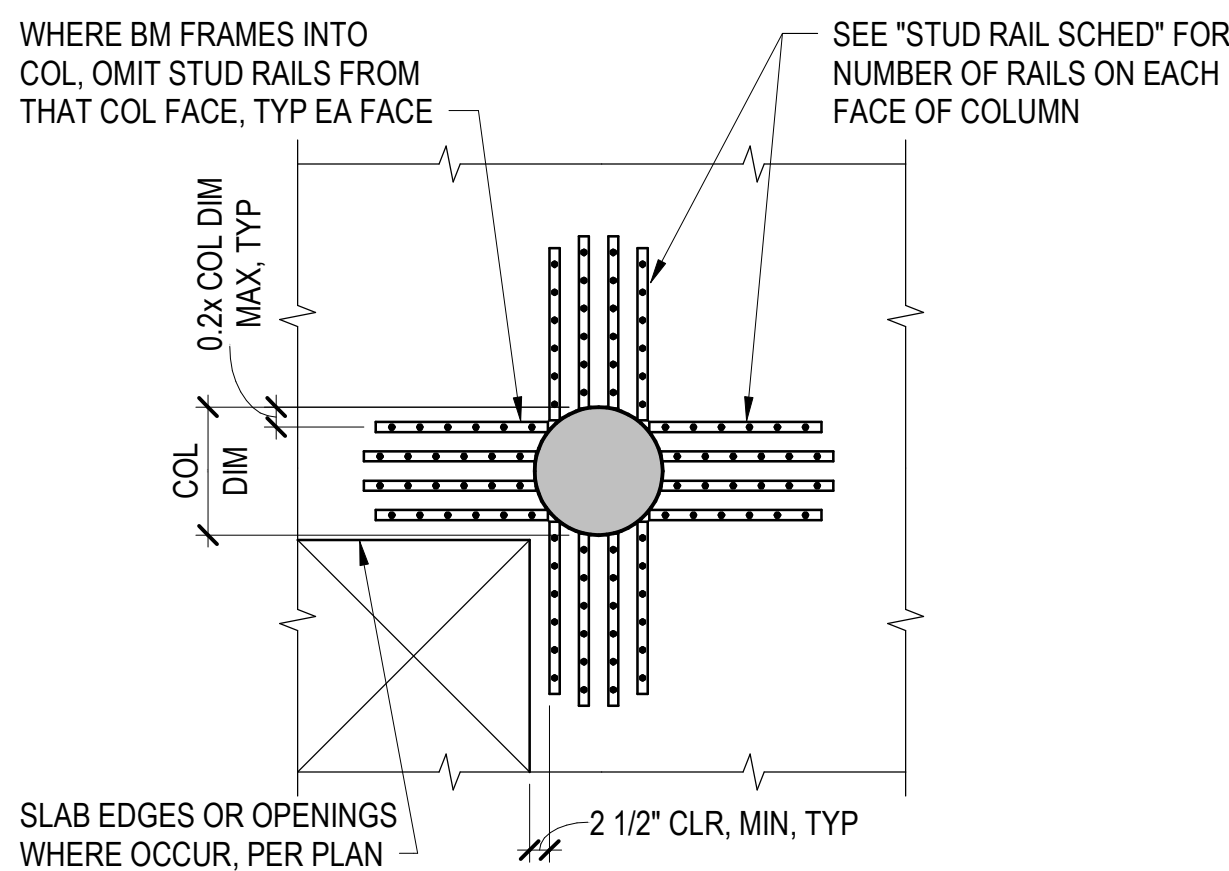
NOTES:

1. SEE TYPICAL SLAB SHEAR REINFORCEMENT DETAILS.

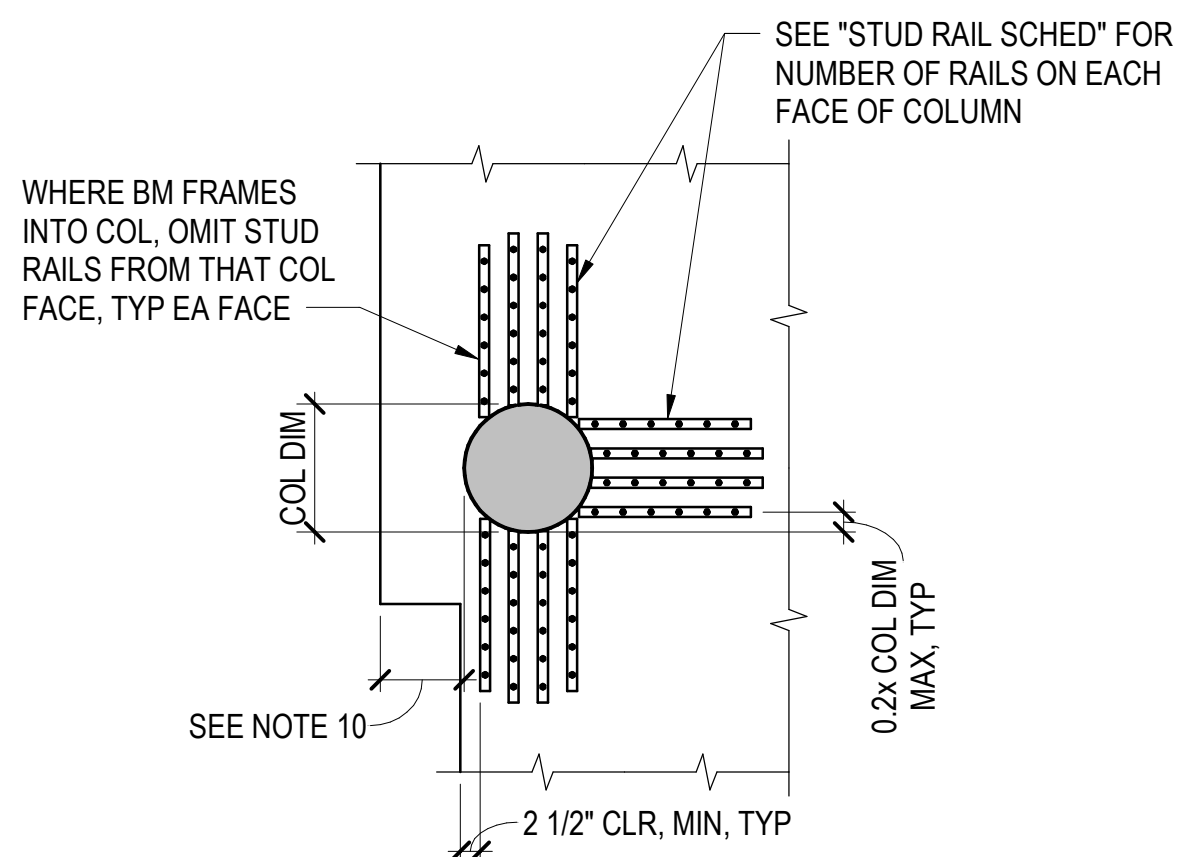
9 STUD RAIL SCHEDULE



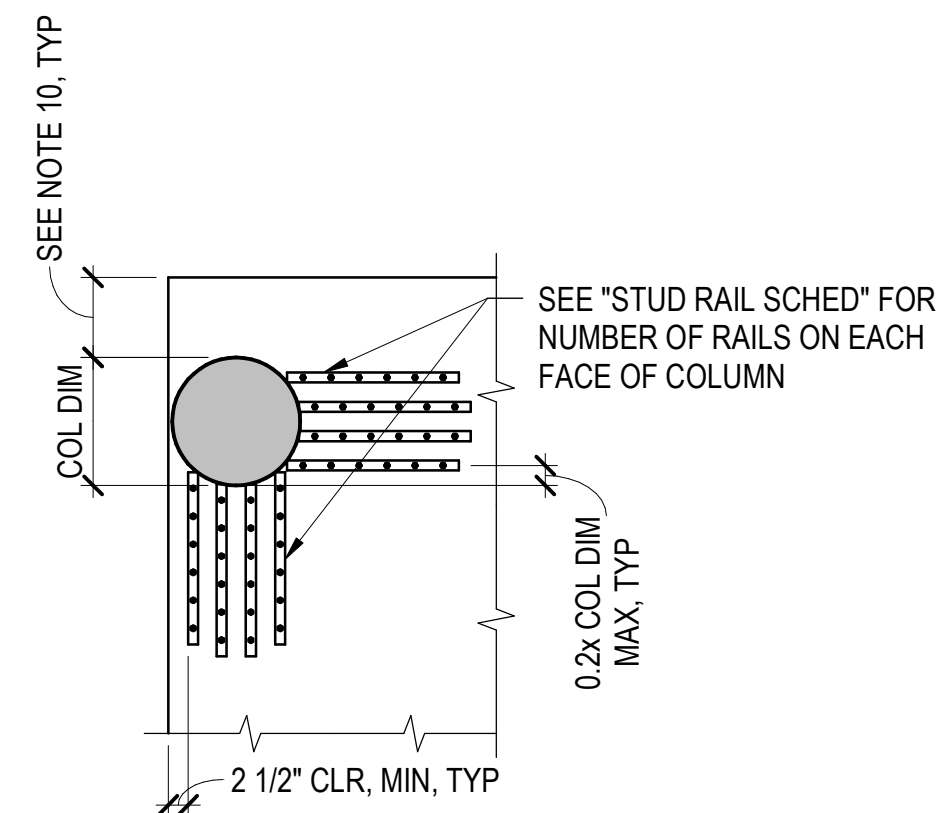
12 TYPICAL TRIMMED STUD RAIL



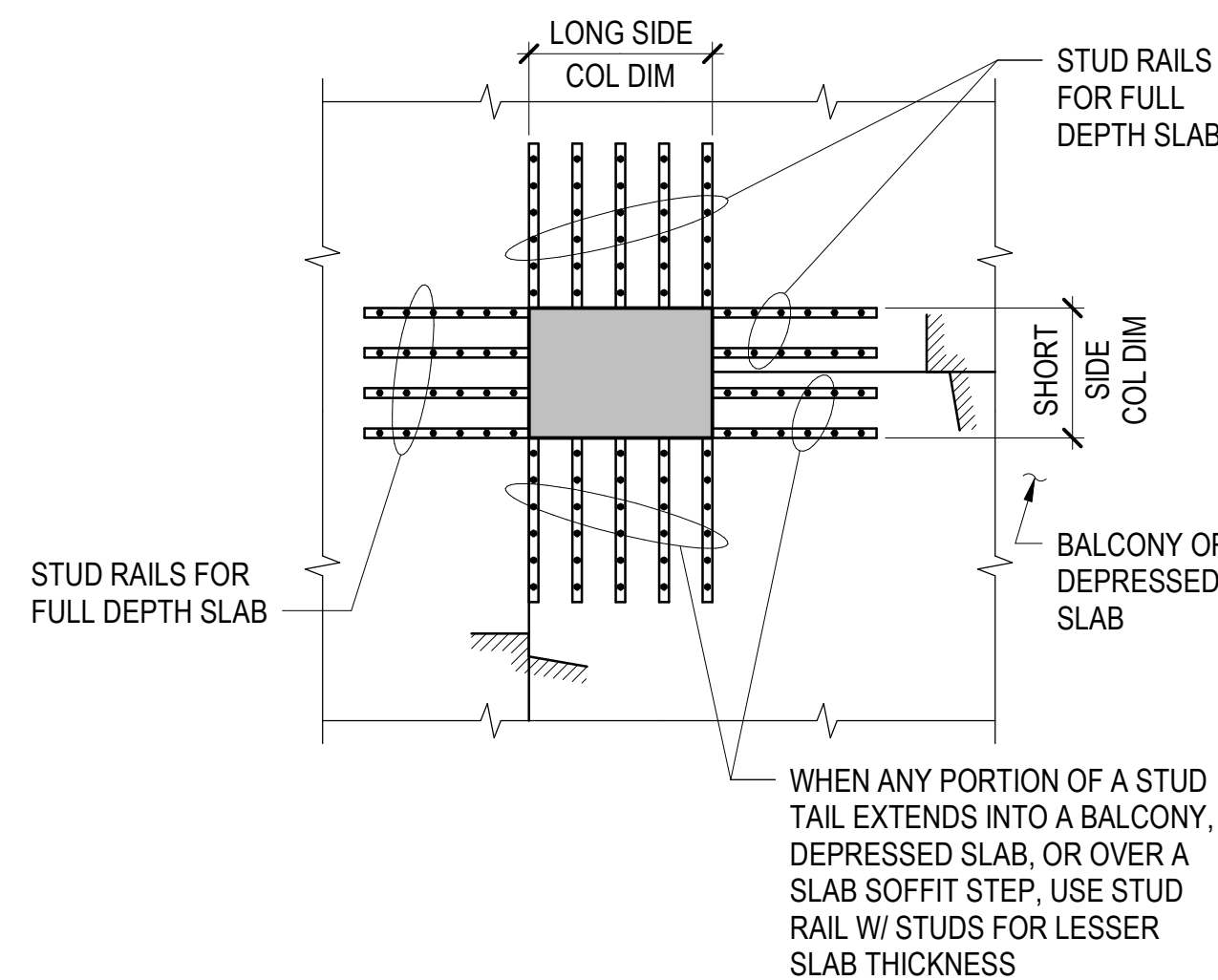
13 TYPICAL SLAB SHEAR REINFORCEMENT AT ROUND INTERIOR COLUMN



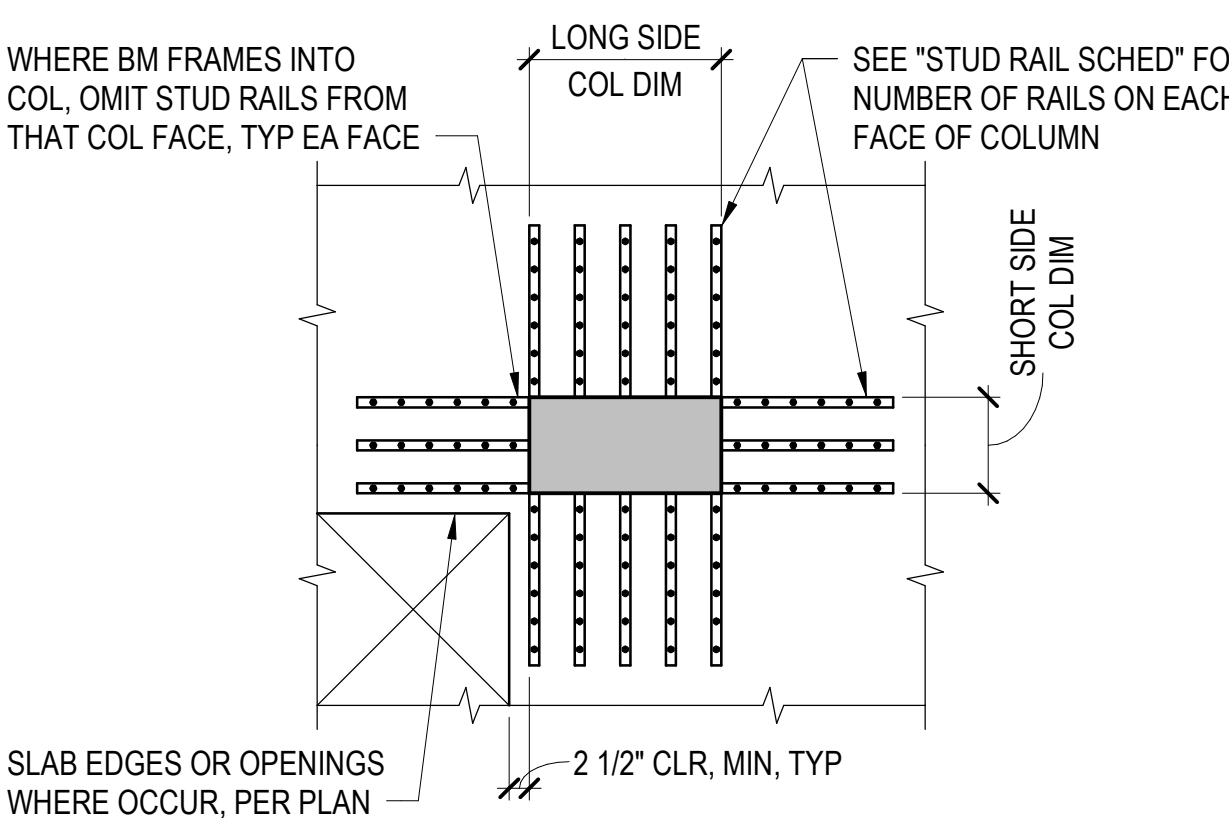
14 TYPICAL SLAB SHEAR REINFORCEMENT AT ROUND EDGE COLUMN



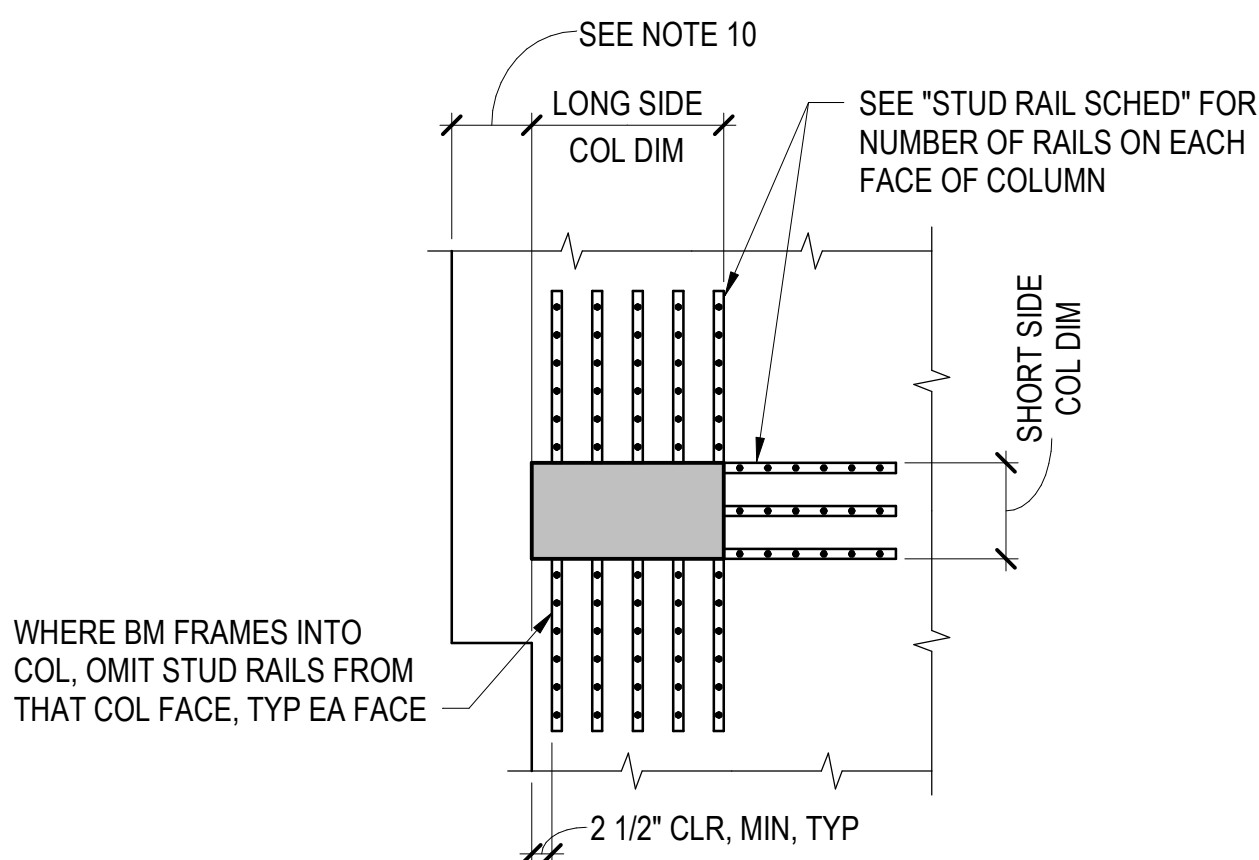
15 TYPICAL SLAB SHEAR REINFORCEMENT AT ROUND CORNER COLUMN



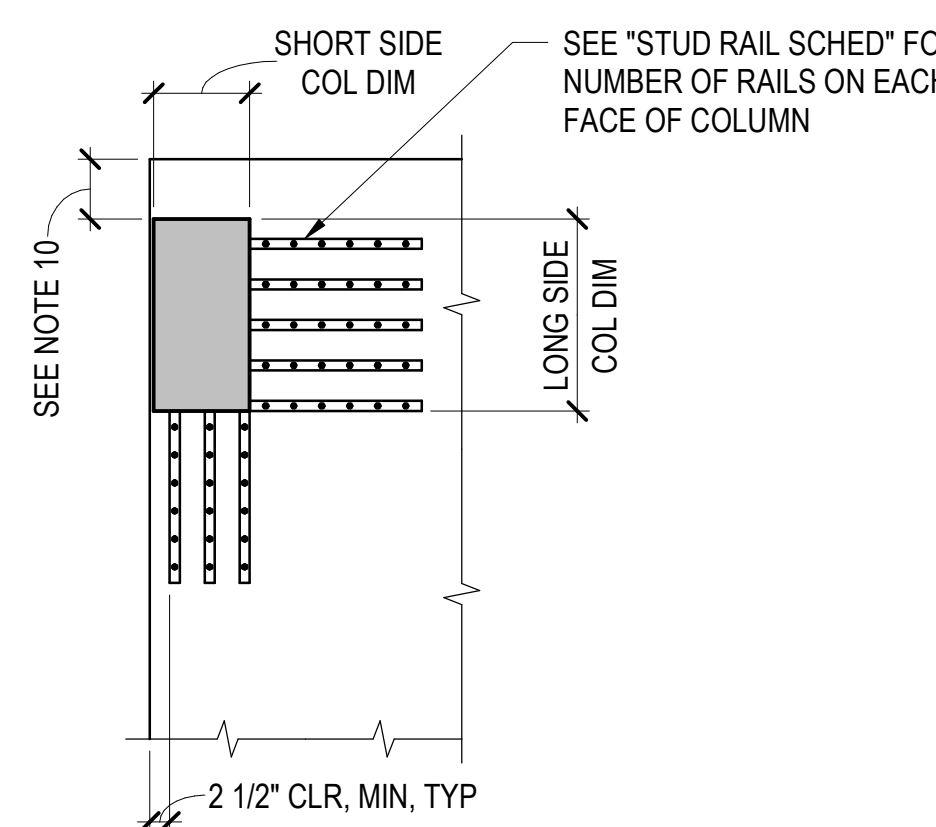
17 TYPICAL SLAB STEP STUD RAIL LAYOUT



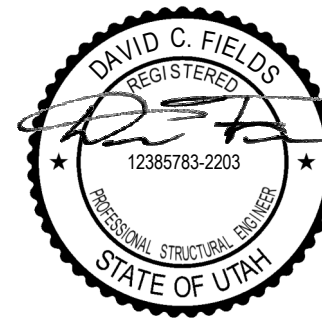
18 TYPICAL SLAB SHEAR REINFORCEMENT AT RECTANGULAR INTERIOR COLUMN



19 TYPICAL SLAB SHEAR REINFORCEMENT RECTANGULAR EDGE COLUMN



20 TYPICAL SLAB SHEAR REINFORCEMENT AT RECTANGULAR CORNER COLUMN



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drawn by _____

checked by _____

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revisions:

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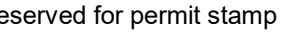
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TYPICAL STUD RAIL
DETAILS AND
SCHEDULE

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1. ADDED REINFORCING SHOWN APPLIES TO GROUPS OF OPENINGS 12" OR SMALLER. GROUPED OPENINGS ARE DEFINED BY MULTIPLE OPENINGS THAT ARE LOCATED WITHIN THREE TIMES THE DIAMETER OF SMALLER ADJACENT OPENING CLEAR APART, OR A MINIMUM OF 9-INCHES.
2. "S" MUST BE GREATER THAN OR EQUAL TO THE SMALLEST "d" (OPENING) DIMENSION OF ADJACENT SLEEVES. "S" IS EQUAL TO OR GREATER THAN 3-INCHES IN ALL CASES.
3. SEE THE "TYPICAL POST-TENSION CONCRETE SLAB DETAILS" FOR OTHER TENDON PLACEMENT AND REINFORCING REQUIREMENTS.
4. OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED FOR REVIEW AT THE SAME TIME AS SLAB SHOP DRAWINGS. REINFORCING OTHER THAN THAT SHOWN MAY BE REQUIRED.
5. WHERE A TENDON MUST PASS BETWEEN OPENINGS, "s" AT THAT LOCATION, SHALL BE INCREASED TO 6-INCH MINIMUM.
6. WHERE THESE CONDITIONS CANNOT BE MET, SUBMIT TO STRUCTURAL ENGINEER FOR REVIEW.

4



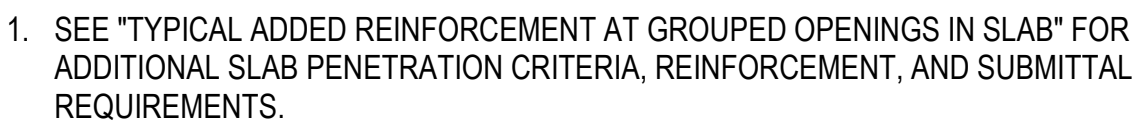
1. LARGE OPENING DETAIL APPLIES AT ALL SLAB OPENINGS WITH ANY SIDE GREATER THAN 4'-0" IN WIDTH.
2. WHERE OPENING IS FLUSH WITH WALL OR BEAM BELOW, REINFORCING MAY BE EXCLUDED ON THAT SIDE OF THE OPENING.
3. HOOK INTERRUPTED REINFORCING.

8



1. PROVIDE #4 TOP AND BOTTOM CONTINUOUS BARS AT ALL SLAB EDGES.
2. FOR LOCATIONS WITH HOOKED TOP BAR PERPENDICULAR TO SLAB EDGE PROVIDED ON PLANS, THIS BAR MAY BE OMITTED.

13

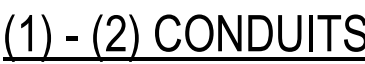


18



1. OMIT ADDED REINFORCEMENT NOTED ABOVE WHEN SPECIAL REINFORCEMENT, INDICATED ON PLANS OR DETAILS, EXCEEDS THIS REINFORCEMENT.
2. CONTRACTOR SHALL VERIFY ALL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS WITH THE STRUCTURAL ENGINEER BEFORE PLACEMENT.
3. WHEN EDGE OF CONCRETE CLOSE TO OPENING WILL NOT ALLOW THIS LENGTH, CONSULT STRUCTURAL ENGINEER BEFORE CONSTRUCTION.

14



1. DO NOT PLACE CONDUIT WITHIN 4'-0" OF COLUMN FACE OR THROUGH SLAB SHEAR REINFORCING STUD RAILS.
2. KEEP CONDUIT AT LEAST 2'-0" AWAY FROM POST-TENSIONED TENDON ANCHORAGE.
3. MAINTAIN A MINIMUM HORIZONTAL CLEARANCE FROM PARALLEL PT TENDONS OF 1'-0" AND A MINIMUM VERTICAL CLEARANCE OF ONE INCH FROM PT TENDONS BEING CROSSED.
4. CONGESTED AREAS OF CONDUIT THAT DO NOT MEET THIS CRITERIA SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. ADDITIONAL REINFORCEMENT MAY BE NECESSARY.
5. DO NOT tie the CONDUIT DIRECTLY TO REINFORCEMENT PARALLEL TO CONDUIT. PROVIDE MINIMUM 4d, BUT NOT LESS THAN ONE INCH CLEAR BETWEEN CONDUIT AND REINFORCEMENT.
6. HORIZONTAL OR VERTICAL CONDUIT SHALL NOT BE PLACED IN CONCRETE COLUMNS OR WALLS WITHOUT PRIOR APPROVAL OF STRUCTURAL ENGINEER.

19

S4.07

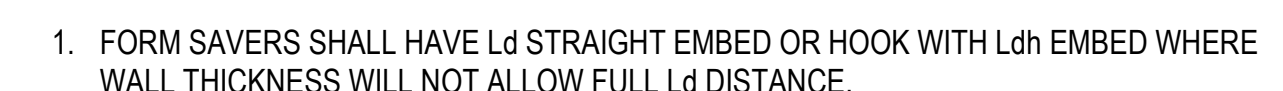
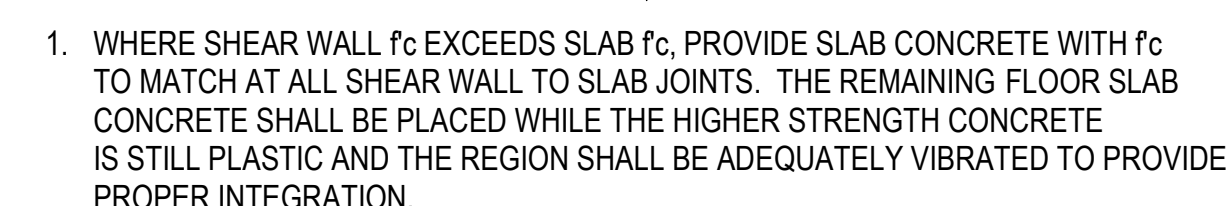
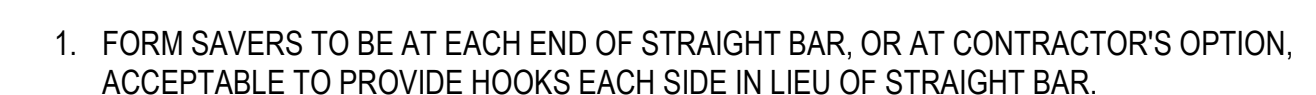
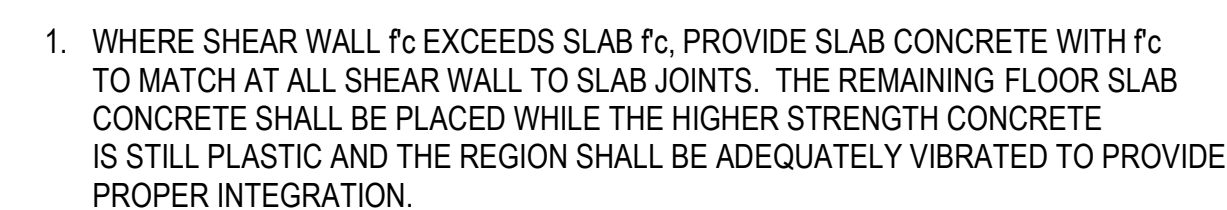


1. MULTIPLE SLEEVES CONFIGURATION IS SHOWN FOR INTERRUPTED FIELD HORIZONTAL REINFORCEMENT. DETAIL IS SIMILAR FOR INTERRUPTED FIELD VERTICAL REINFORCEMENT. NO COUPLING BEAM REINFORCEMENT MAY BE INTERRUPTED BY SLEEVES.
2. DETAIL APPLIES FOR SLEEVES UP TO 12" DIAMETER. ALL SLEEVES TO BE MINIMUM 4'-0" FROM EDGE OF SHEAR WALLS.
3. "S" SHALL BE EQUAL OR GREATER THAN THE GREATER OF d_1 , d_2 , OR 3". IF REQUIRED LAYOUT CANNOT CONFORM TO THESE REQUIREMENTS, CONSIDER GROUPING OF TWO COMBINED OPENING AND REFER TO THE "TYPICAL SMALL SHEAR WALL OPENING" DETAIL.
4. ALL SLEEVES NOTES SHOWN ON SHEAR WALL ELEVATIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL.



1. SEE THE SHEAR WALL REINFORCEMENT NOTES FOR LAP LENGTH.
2. SEE PLAN AND WALL ELEVATIONS FOR ADDITIONAL INFORMATION

1. SEE "SHEAR WALL SECTIONS" FOR FURTHER REQUIREMENTS



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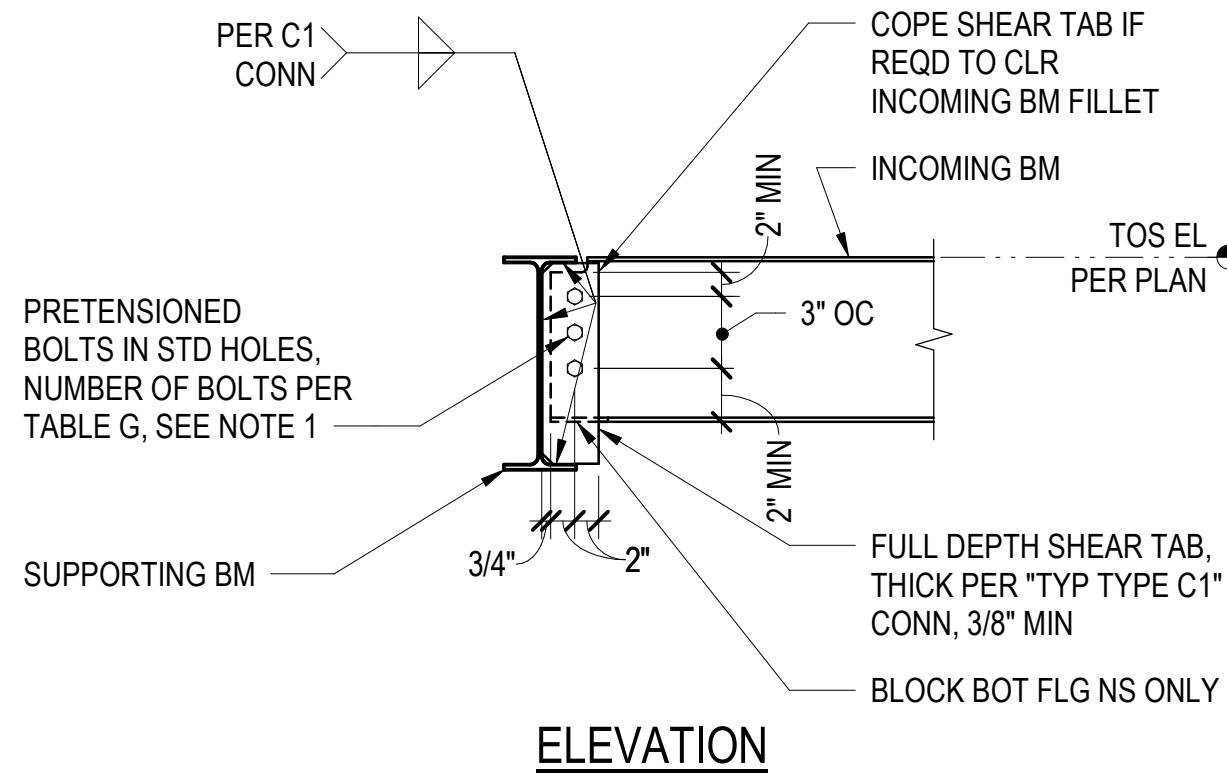
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TYPICAL SHEAR
WALL DETAILS

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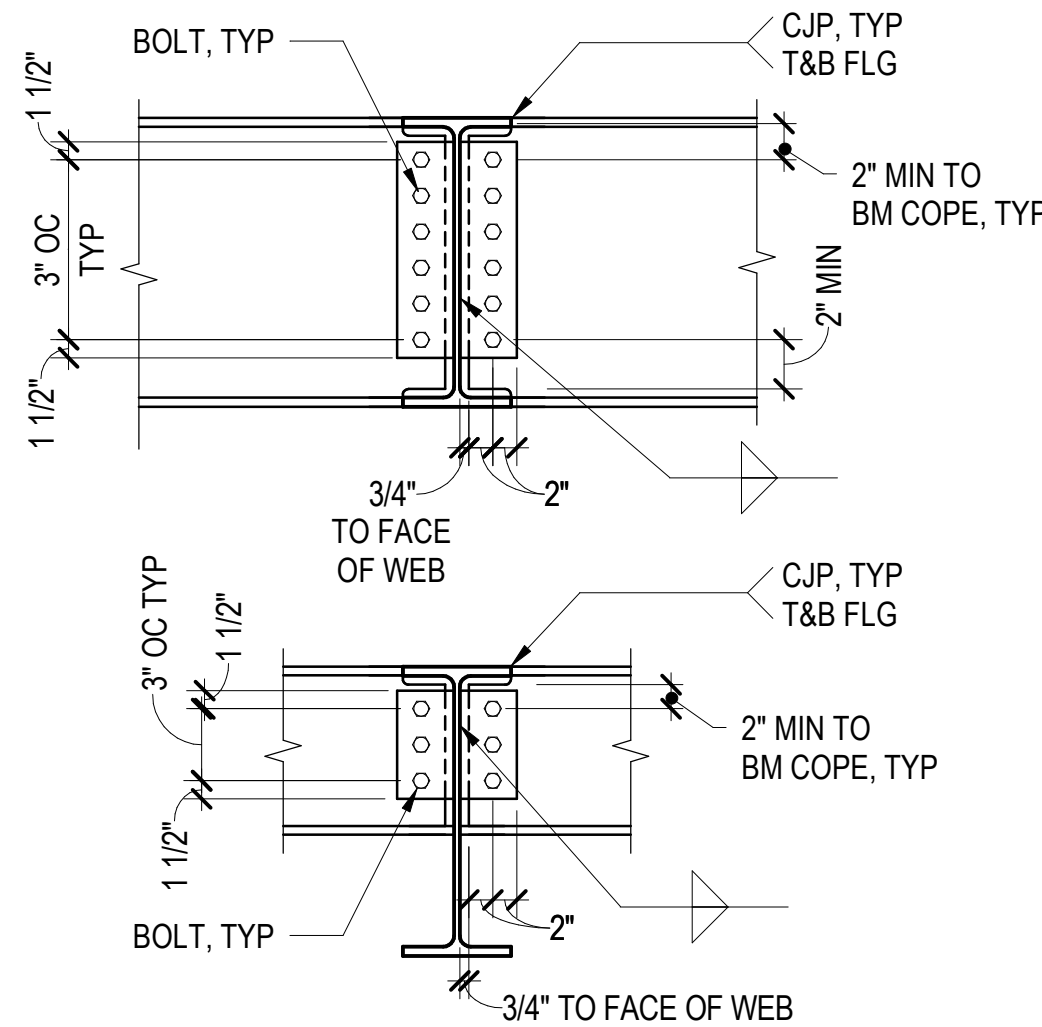


NOTES:

- SEE "TYPICAL TYPE C1" FOR BOLT SIZE AND TYPE, WELD SIZE, PLATE THICKNESS, AND COPE REQUIREMENTS.
- THIS CONNECTION SHALL ONLY BE USED WHEN SPECIFICALLY CALLED OUT ON PLAN OR IN A DETAIL.
- BEAM SIZE IS SHALLOWER OF INCOMING AND SUPPORTING BEAM.

3 TYPICAL STEEL CONNECTION, TYPE C30
3/4" = 1'-0"

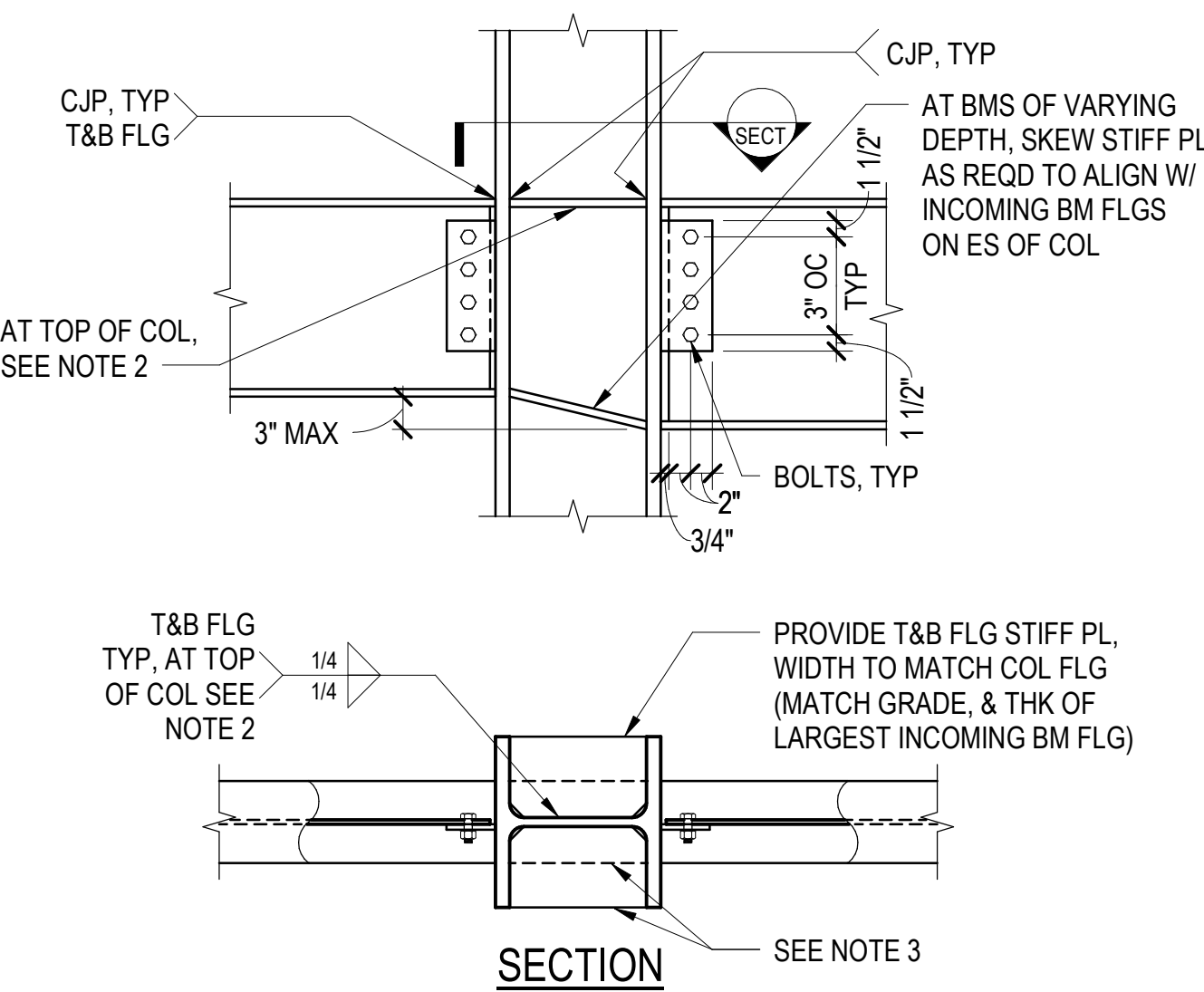
TABLE G	
BM SIZE (NOTE 3)	MINIMUM NUMBER OF BOLTS
W10	2
W12, W14	3
W16	4
W18	5
W21	6
W24	7
W27	8
W30	9
W33, W36	10
W40	11
W44	12



NOTES:

- SEE "GENERAL NOTES FOR STEEL CONNECTIONS" FOR ADDITIONAL INFORMATION.
- THIS DETAIL APPLIES ONLY FOR BEAMS OF EQUAL DEPTH EACH SIDE OF SUPPORTING BEAM.

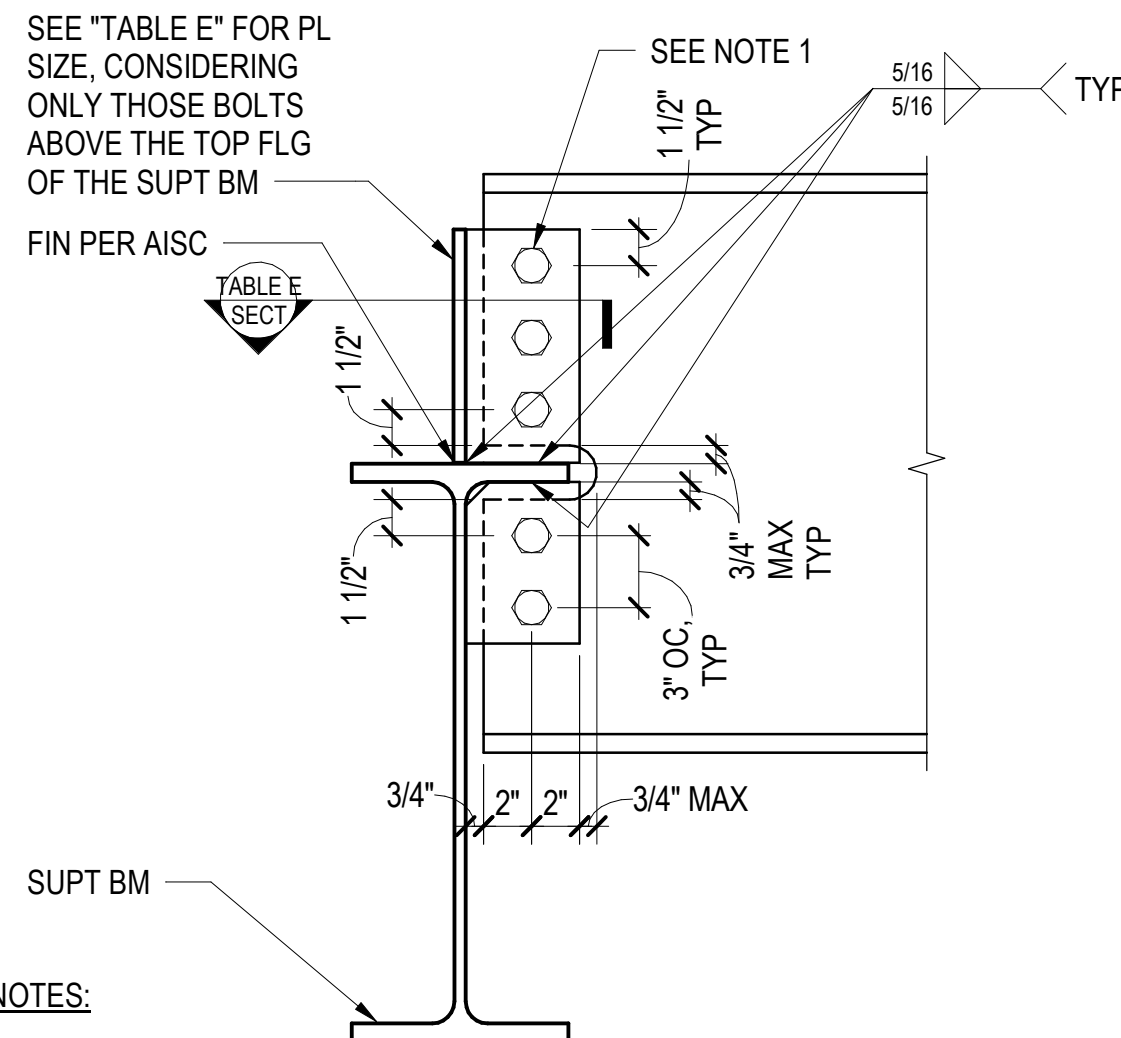
5 TYP BEAM TO BEAM MOMENT CONNECTION



NOTES:

- SEE "GENERAL NOTES FOR STEEL CONNECTIONS" FOR ADDITIONAL INFORMATION.
- AT TOP OF COLUMN, PROVIDE 1/4 INCH PJP WELD IN LIEU OF TOP SIDE FILLET WELD OR, AT CONTRACTOR'S OPTION, A SINGLE CAP PLATE MAY BE USED IN LIEU OF TWO STIFFENER PLATES. USE 5/16 INCH ONE SIDED FILLET WELD FOR CAP PLATE TO EACH COLUMN FLANGE AND EACH SIDE OF COLUMN WEB.
- AT CONTRACTOR'S OPTION, WIDTH OF STIFFENER PLATES MAY BE REDUCED TO MATCH LARGEST INCOMING BEAM FLANGE IF NO OTHER INCOMING CONNECTIONS OCCUR AT A GIVEN BEAM -TO-COLUMN CONNECTION.

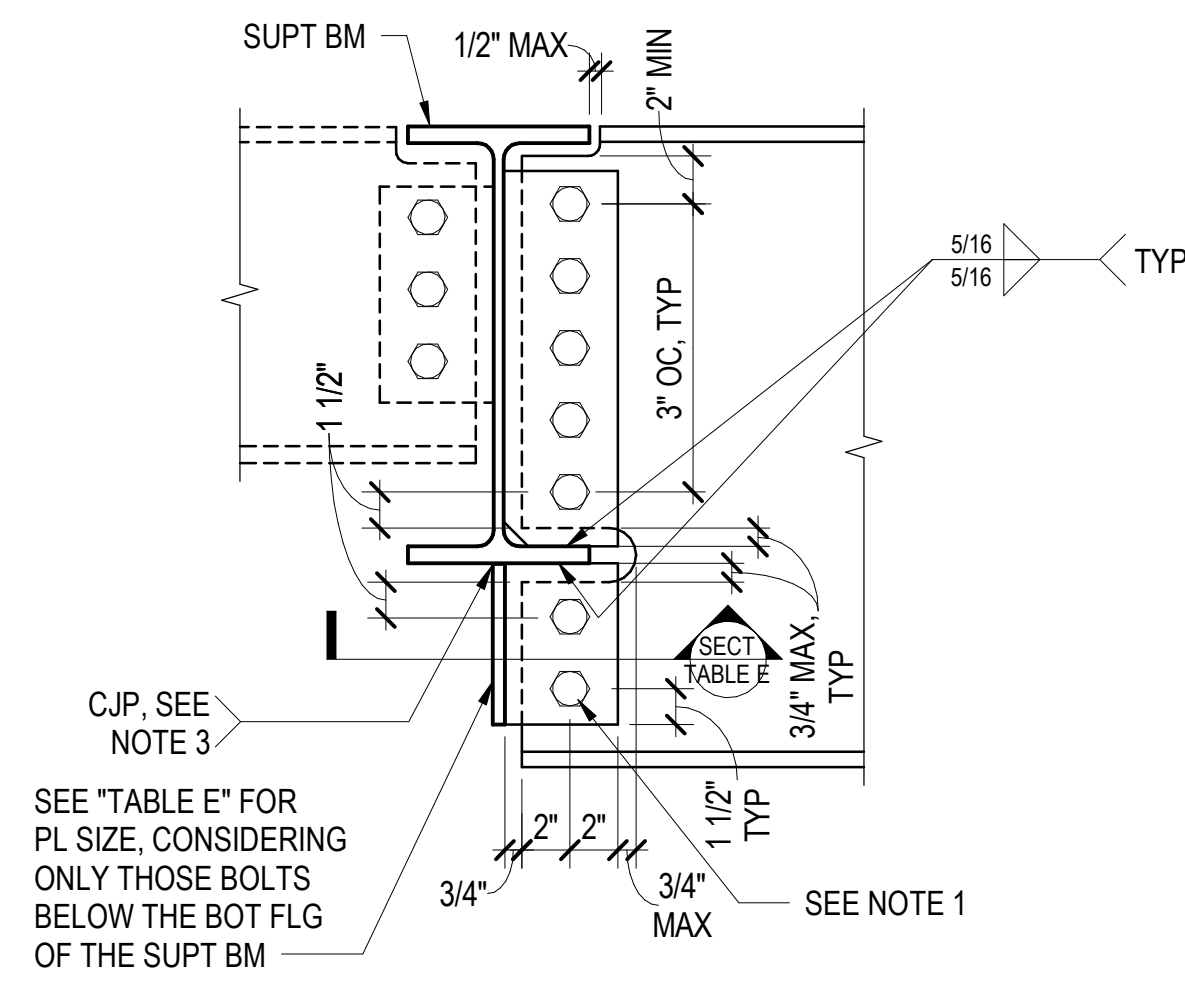
9 TYPICAL BM TO COL FLANGE MOMENT CONN



NOTES:

- FOR A GIVEN BEAM AND REQUIRED REACTION, SEE "TABLE A" FOR BOLT SIZE AND TYPE, TOTAL NUMBER OF BOLTS, AND MAXIMUM COPE LENGTH.
- ALL PLATES SHALL HAVE Fy = 50 KSI MINIMUM.

12 TYPICAL TYPE C21 - BEAM FLANGE INTERSECTING BEAM WEB



- CONTRACTOR SHALL PERFORM ULTRASONIC TESTING AND INSPECTION OF SUPPORT BEAM BOTTOM FLANGE PER SPECIFICATION FOR WELDED CONNECTIONS.

NOTES:

- SEE "GENERAL NOTES FOR STEEL CONNECTIONS" FOR ADDITIONAL INFORMATION.
- AT TOP OF COLUMN, PROVIDE 1/4 INCH PJP WELD IN LIEU OF TOP SIDE FILLET WELD OR, AT CONTRACTOR'S OPTION, A SINGLE CAP PLATE MAY BE USED IN LIEU OF TWO STIFFENER PLATES. USE 5/16 INCH ONE SIDED FILLET WELD FOR CAP PLATE TO EACH COLUMN FLANGE AND EACH SIDE OF COLUMN WEB.
- THIS DETAIL APPLIES ONLY FOR BEAMS OF EQUAL DEPTH EACH SIDE OF COLUMN.

14 TYPICAL BEAM TO COLUMN WEB MOMENT CONNECTION

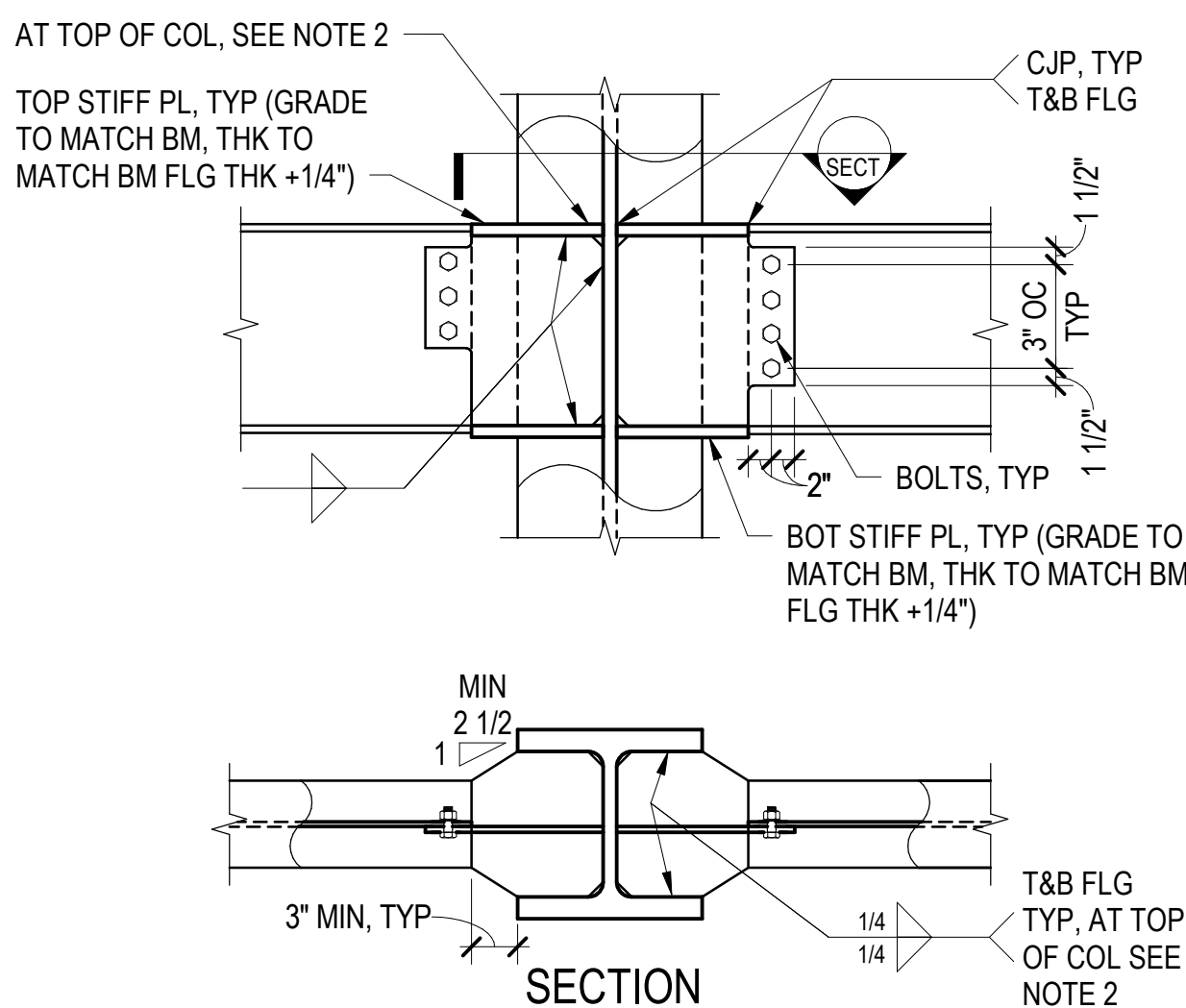
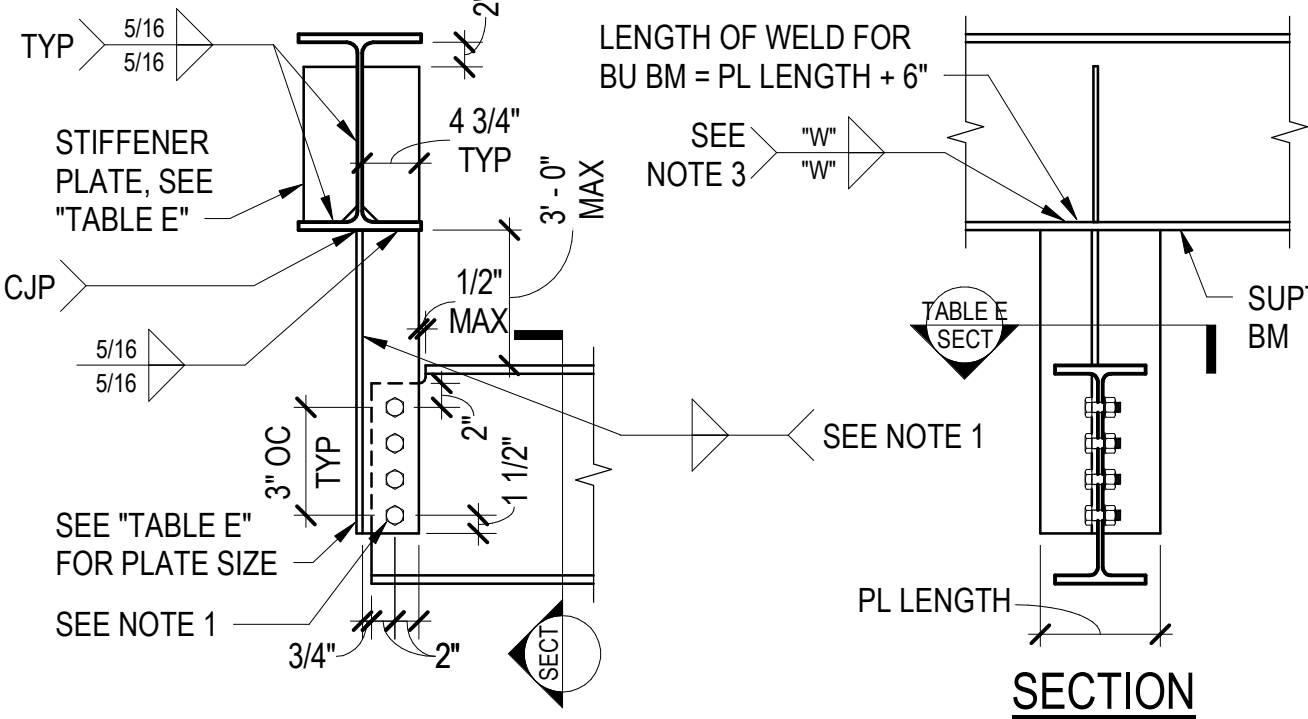
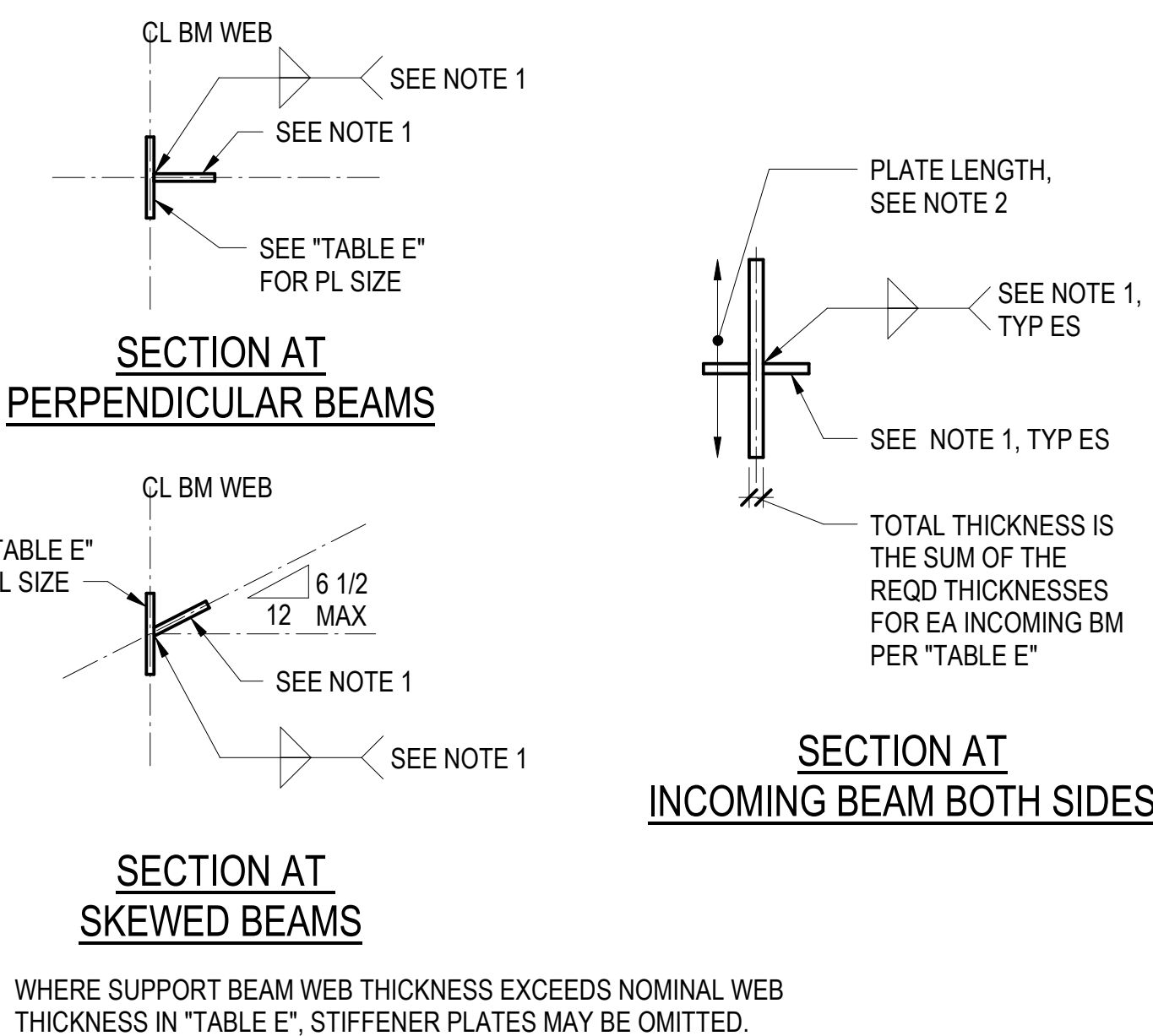


TABLE E				
7/8" DIA GR A325 BOLTS				
NUMBER OF BOLTS	PL THICKNESS (IN)	PL LENGTH (IN)	NOMINAL WEB THICKNESS (IN)	STIFF PL THICKNESS (IN)
2-4	5/8	7	0.31	3/8
5-6	3/4	8	0.44	3/8
7-8	3/4	9	0.50	1/2
9-10	7/8	9	0.61	5/8
11-12	1	10	0.64	5/8
1" DIA GR A490 BOLTS				
NUMBER OF BOLTS	PL THICKNESS (IN)	PL LENGTH (IN)	NOMINAL WEB THICKNESS (IN)	STIFF PL THICKNESS (IN)
2-4	5/8	7	0.31	3/8
5-6	3/4	9	0.48	1/2
7-8	7/8	10	0.57	5/8
9-10	1	10	0.65	3/4
11-12	1	10	0.72	1

NOTES:

- VERTICAL PLATE THICKNESS AND WELD SIZE SHALL BE PER "TABLE A" OR "TABLE B", WHICHEVER IS APPLICABLE.
- PLATE LENGTH SHALL BE DETERMINED PER "TABLE E" BY THE GREATEST NUMBER OF BOLTS REQUIRED FOR EITHER INCOMING BEAM CONNECTION.

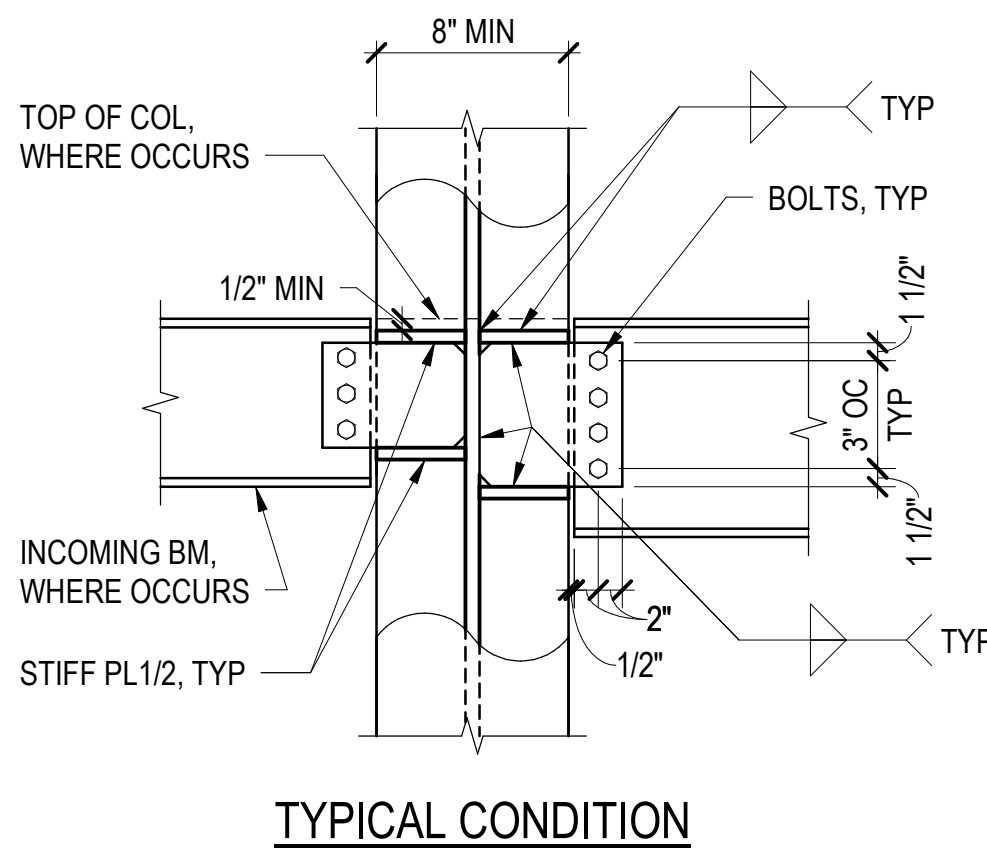
16 TABLE E



NOTES:

- FOR A GIVEN BEAM AND REQUIRED REACTION, SEE "TABLE A" FOR BOLT SIZE AND TYPE, NUMBER OF BOLTS, AND MAXIMUM COPE LENGTH.
- ALL PLATES SHALL HAVE Fy = 50 KSI MINIMUM.
- PROVIDE FILLET WELD AT BUILT-UP BEAMS. WELD SIZE "W" SHALL BE 0.75tw, WHERE "tw" IS THE SUPPORT BEAM WEB THICKNESS.
- CONTRACTOR SHALL PERFORM ULTRASONIC TESTING AND INSPECTION OF SUPPORT BEAM BOTTOM FLANGE PER SPECIFICATION FOR WELDED CONNECTIONS.

18 TYP TYPE C23 - BEAM TO DEPRESSED BM CONN

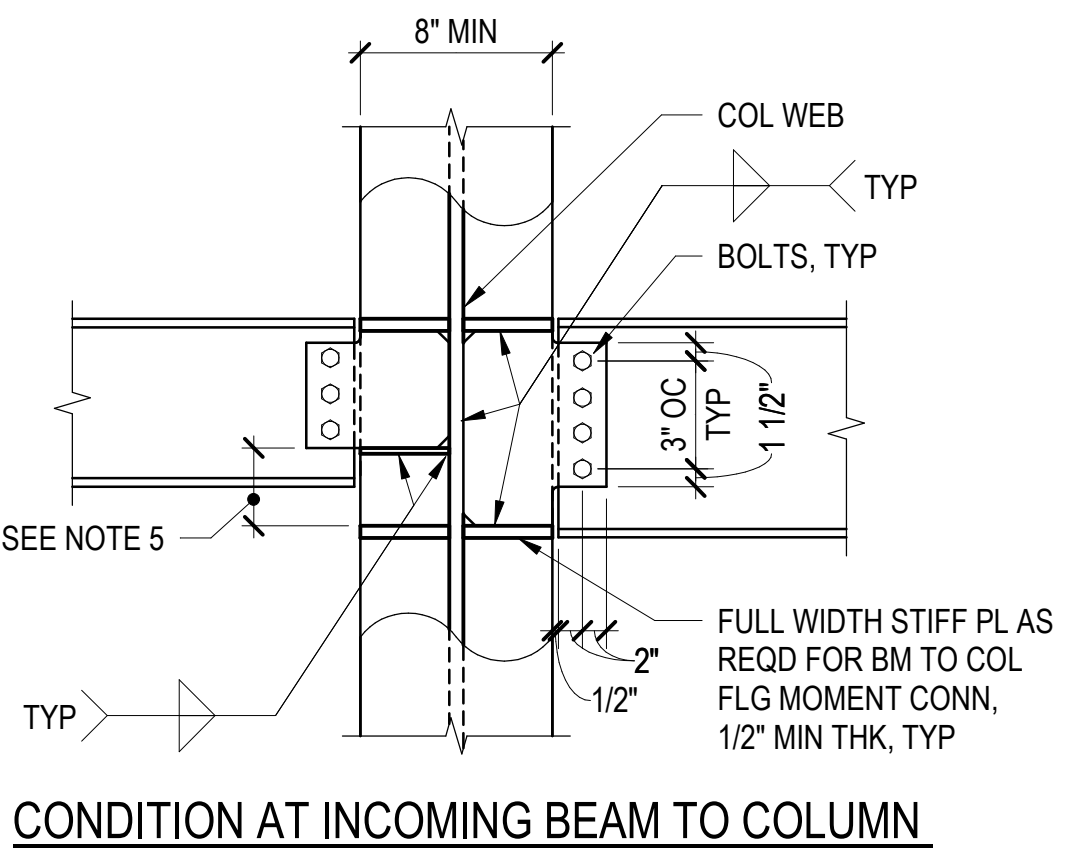


TYPICAL CONDITION

NOTES:

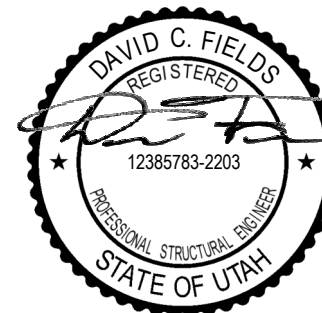
- SEE "GENERAL NOTES FOR STEEL CONNECTIONS" FOR ADDITIONAL INFORMATION.
- ALL PLATES SHALL HAVE Fy = 50 KSI MINIMUM.
- BEAMS MAY BE SKEWED UP TO 30 DEGREES.
- THIS DETAIL SHALL BE USED WITH W10, W12, AND W14 COLUMNS ONLY.

19 TYPICAL BEAM TO COLUMN WEB SHEAR CONNECTION



CONDITION AT INCOMING BEAM TO COLUMN FLANGE MOMENT CONNECTION

- WHEN DIMENSION SHOWN IS 6 INCHES OR LESS, EXTEND VERTICAL PLATE TO LOWER STIFFENER. WHEN DIMENSION SHOWN IS GREATER THAN 6 INCHES PROVIDE ADDITIONAL STIFFENER PLATE PL1/2 AT BOTTOM OF VERTICAL PLATE.



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project manager _____

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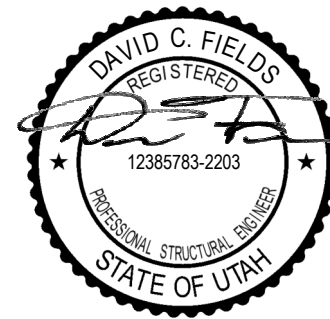
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TYPICAL STEEL DETAILS

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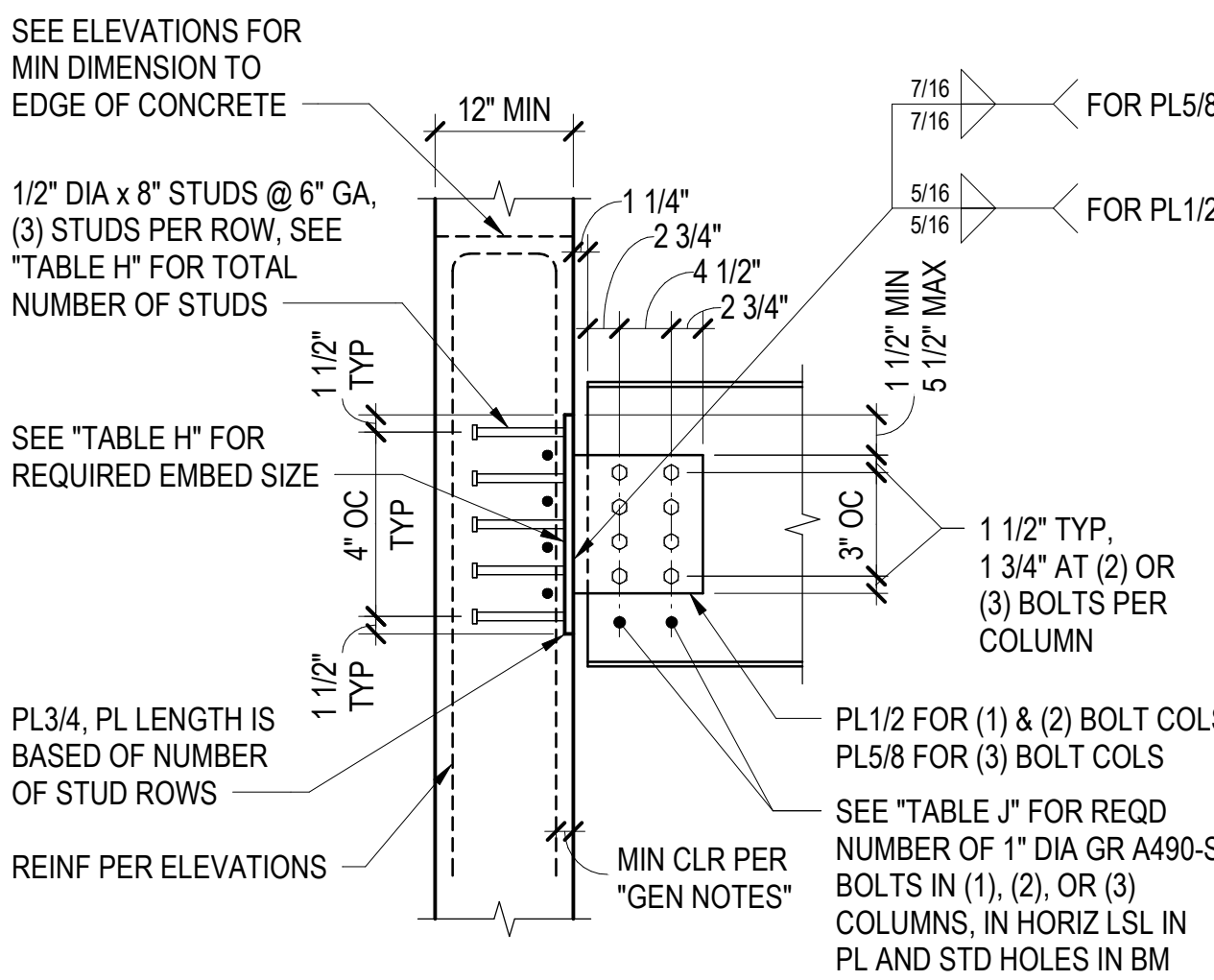
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DEER VALLEY, UTAH

MAGNUSSON
KLEMENCIC
ASSOCIATES

Structural + Civil Engineers

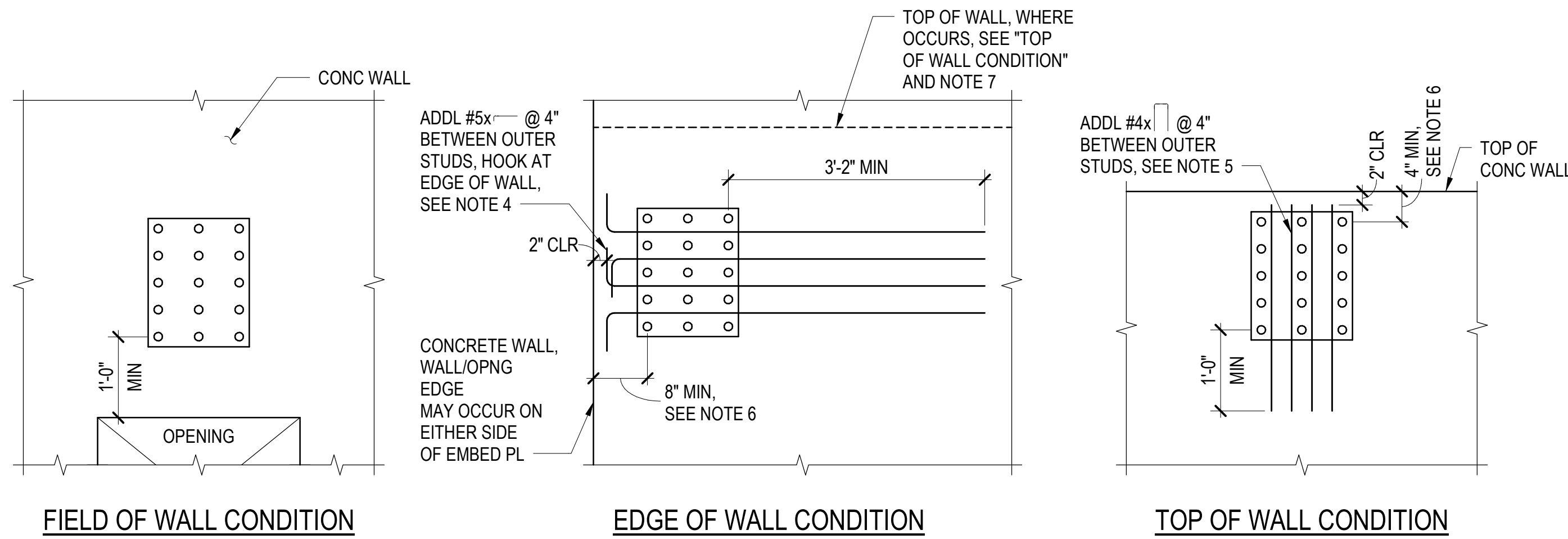
Seattle Chicago
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206.292.1200



SECTION

NOTES:

1. EMBED AND SHEAR TAB SHALL BE SIZED FOR THE REACTION SHOWN ON PLAN. CONTRACTOR SHALL VERIFY THAT SELECTED EMBED SIZE IS ADEQUATE TO RECEIVE SHEAR TAB.
2. DO NOT COPE STEEL BEAM FLANGES.
3. MINIMUM NUMBER OF BOLT ROWS SHALL CONFORM TO THE REQUIREMENTS OF "GENERAL NOTES FOR STEEL CONNECTIONS."
4. ADDITIONAL HORIZONTAL REINFORCEMENT MAY BE OMITTED WHERE DISTANCE FROM WALL EDGE TO CLOSEST STUD IS 2'-0" OR GREATER, OR WHERE WALL HORIZONTAL REINFORCEMENT HAS A MAXIMUM SPACING OF 8" OC FOR #4 AND #5 BARS OR 12" OC FOR #6 BARS AND GREATER.
5. ADDITIONAL VERTICAL REINFORCEMENT MAY BE OMITTED WHERE DISTANCE FROM WALL EDGE TO CLOSEST STUD IS 1'-0" OR GREATER.
6. WHEN AN EMBED HAS (2) OR MORE STUDS AND ALL STUDS ARE 12" OR GREATER FROM ANY VERTICAL AND HORIZONTAL WALL EDGES, EMBED CAPACITIES IN "TABLE H" MAY BE INCREASED BY 40%.
7. WHERE ANY STUD ON AN EMBED IS LESS THAN 12" FROM BOTH A VERTICAL AND A HORIZONTAL WALL EDGE, REDUCE EMBED CAPACITIES IN "TABLE H" BY 25%.
8. WHERE A STEEL BEAM FRAMES INTO THE END OF A WALL LESS THAN 32" THICK OR INTO THE FACE OF A COLUMN LESS THAN 32" WIDE, SEE "TYPICAL TYPE C25" DETAIL.
9. WHERE A STEEL BEAM FRAMES INTO A CONCRETE BEAM OR A CONCRETE COUPLING BEAM, SEE "TYPICAL TYPE C26" DETAIL.
10. ALL PLATES SHALL HAVE $F_y = 50$ KSI MINIMUM.



FIELD OF WALL CONDITION

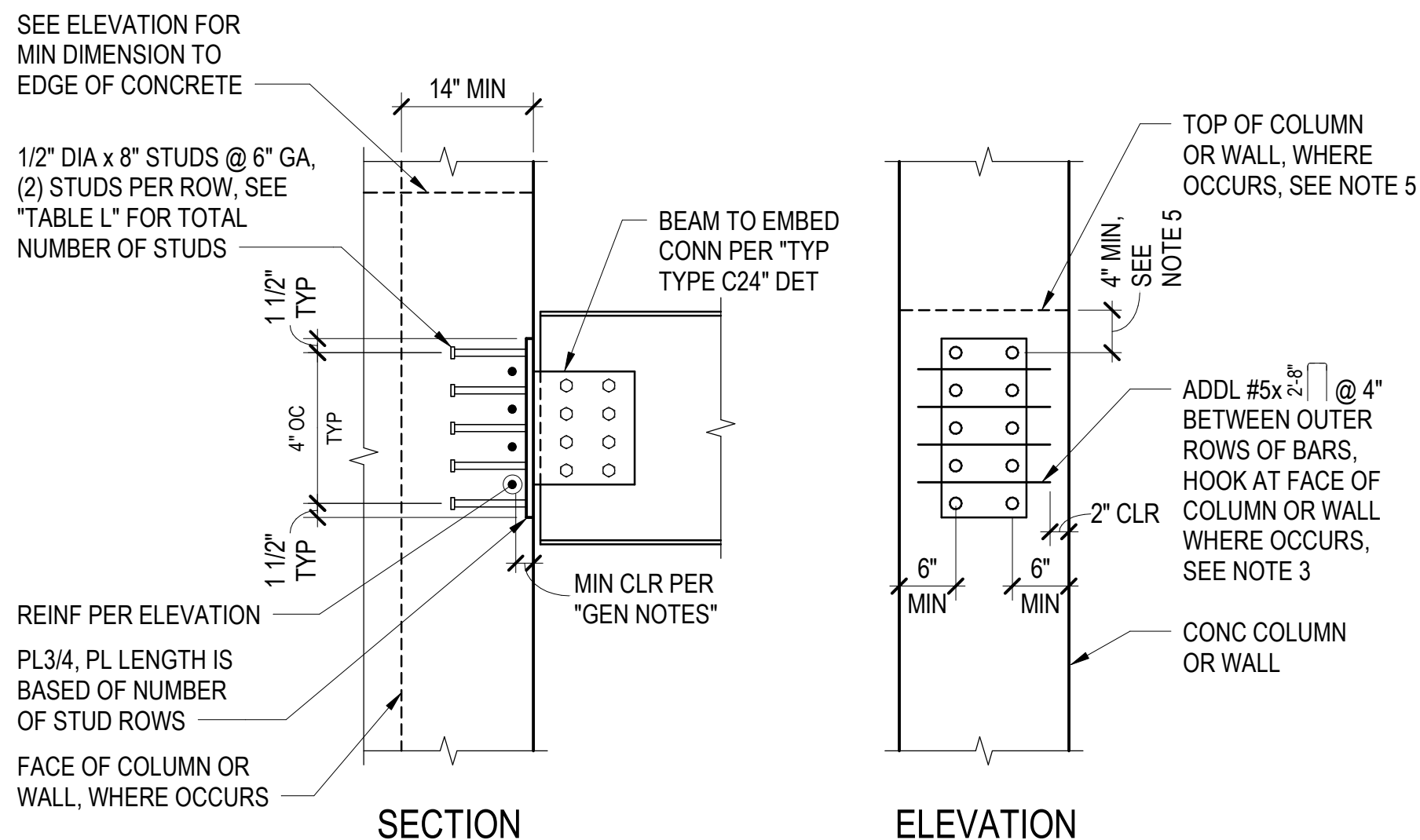
EDGE OF WALL CONDITION

TOP OF WALL CONDITION

8 TYPICAL TYPE C24 - STEEL CONNECTION TO CONCRETE WALL

NOTES:

1. EMBED AND SHEAR TAB SHALL BE SIZED FOR THE REACTION SHOWN ON PLAN. CONTRACTOR SHALL VERIFY THAT SELECTED EMBED SIZE IS ADEQUATE TO RECEIVE SHEAR TAB.
2. DO NOT COPE STEEL BEAM FLANGES.
3. ADDITIONAL HORIZONTAL U-BAR REINFORCEMENT MAY BE OMITTED WHERE DISTANCE FROM WALL EDGE TO CLOSEST STUD IS 2'-0" OR GREATER, OR WHERE WALL HORIZONTAL REINFORCEMENT HAS A MAXIMUM SPACING OF 8" OC FOR #4 AND #5 BARS OR 12" OC FOR #6 BARS AND GREATER.
4. WHERE THE REACTION SHOWN ON PLAN EXCEEDS THE VALUES SHOWN IN "TABLE L", SEE "TYPICAL TYPE C27" DETAIL.
5. WHERE TOP ROW OF STUDS IS LESS THAN 12" FROM TOP OF WALL OR COLUMN, REDUCE EMBED CAPACITIES IN "TABLE L" BY 30%.
6. ALL PLATES SHALL HAVE $F_y = 50$ KSI MINIMUM.

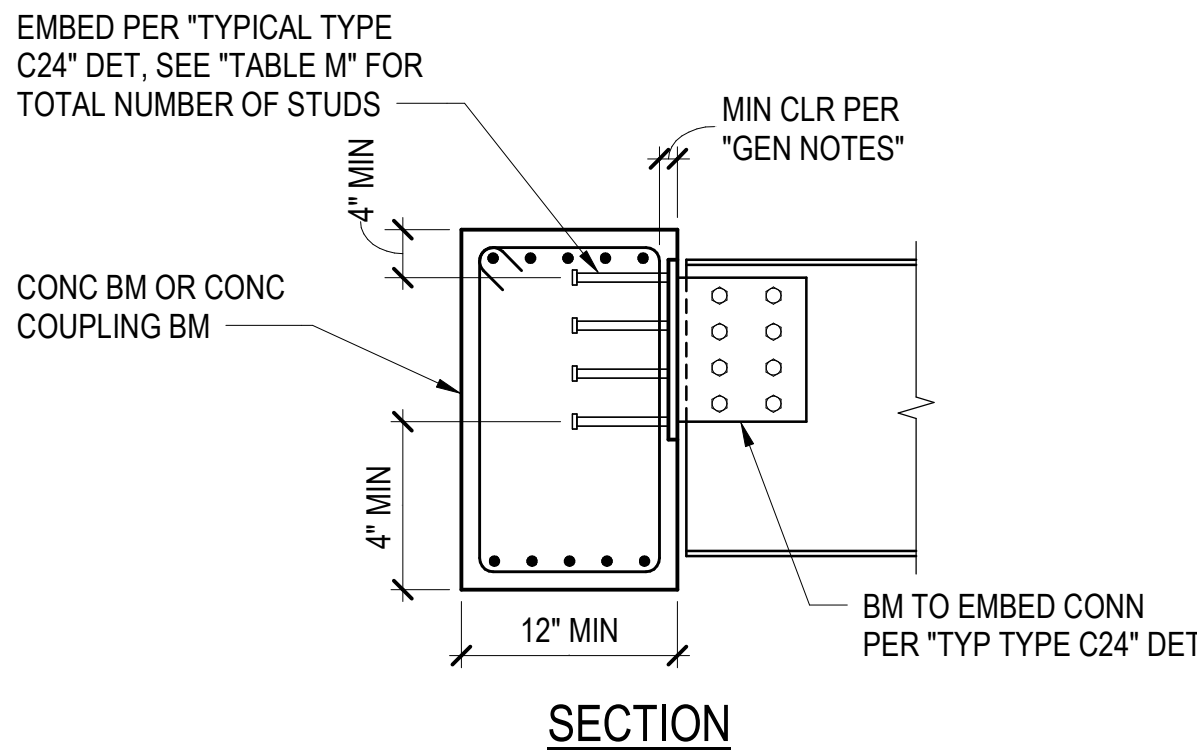


SECTION

ELEVATION

TOTAL NUMBER OF STUDS	MAXIMUM REACTION (KIPS)							
	$f_c =$ 4,000 PSI	$f_c =$ 5,000 PSI	$f_c =$ 6,000 PSI	$f_c =$ 7,000 PSI	$f_c =$ 8,000 PSI	$f_c =$ 9,000 PSI	$f_c =$ 10,000 PSI	
6	42	47	49	49	49	49	49	49
8	47	53	58	63	66	66	66	66
10	52	59	64	69	74	79	82	82
12	58	64	71	76	82	87	91	91
14	63	70	77	83	89	94	99	99
16	68	76	83	90	96	102	108	108
18	73	82	90	97	104	110	116	116
20	78	88	96	104	111	118	124	124
22	83	93	102	110	118	125	132	132
24	89	99	109	117	125	133	140	140
26	94	105	115	124	133	141	149	149

13 TYPICAL TYPE C25 - STEEL CONNECTION TO CONCRETE COLUMN OR END OF WALL

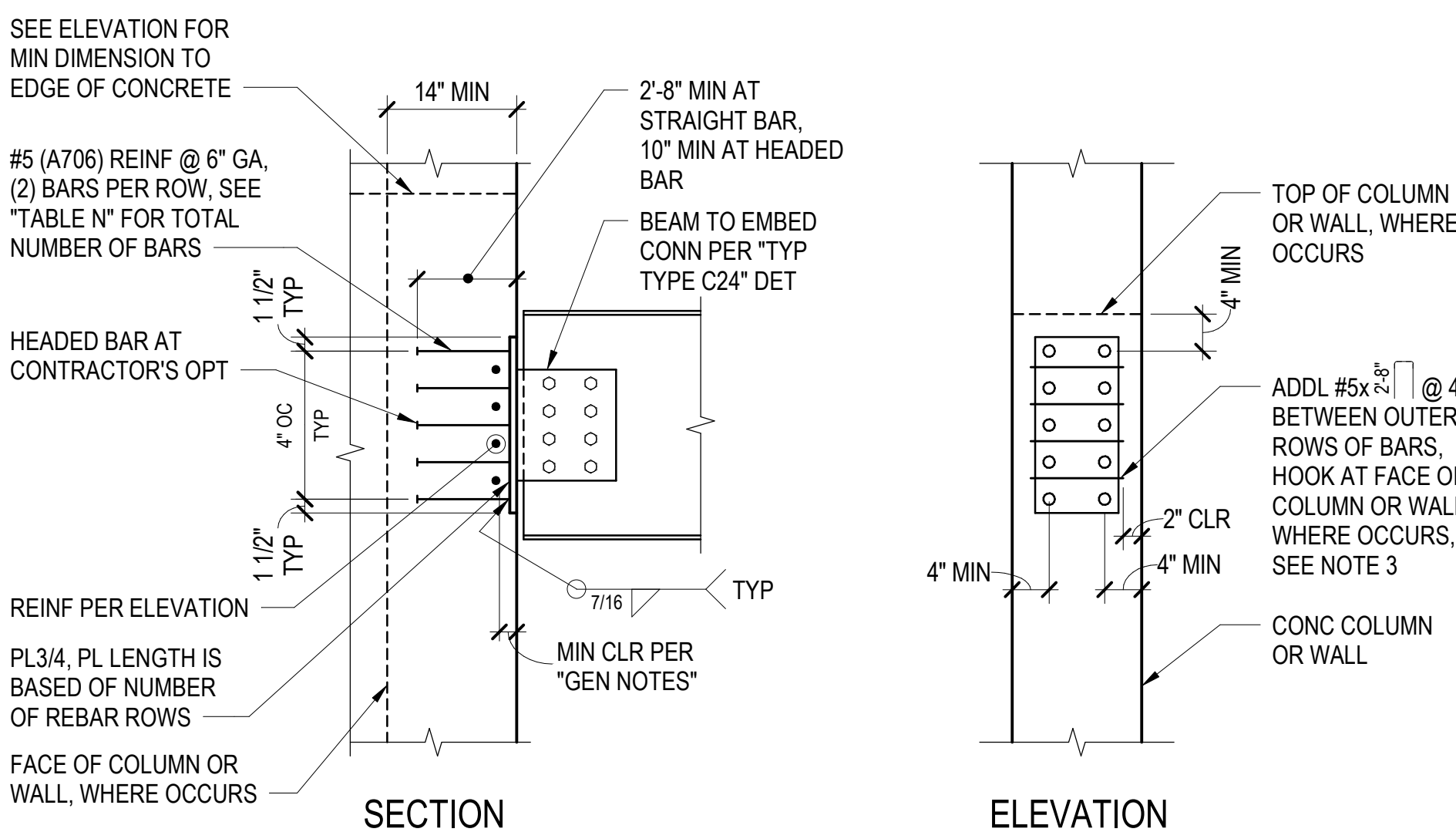


SECTION

NOTES:

1. EMBED AND SHEAR TAB SHALL BE SIZED FOR THE REACTION SHOWN ON PLAN. CONTRACTOR SHALL VERIFY THAT SELECTED EMBED SIZE IS ADEQUATE TO RECEIVE SHEAR TAB.
2. DO NOT COPE STEEL BEAM FLANGES.
3. ALL PLATES SHALL HAVE $F_y = 50$ KSI MINIMUM.

TOTAL NUMBER OF STUDS	MAXIMUM REACTION (KIPS)							
	$f_c =$ 4,000 PSI	$f_c =$ 5,000 PSI	$f_c =$ 6,000 PSI	$f_c =$ 7,000 PSI	$f_c =$ 8,000 PSI	$f_c =$ 9,000 PSI	$f_c =$ 10,000 PSI	
9	22	24	27	29	31	33	34	34
12	27	30	33	36	39	41	43	43
15	33	37	40	43	46	49	52	52
18	38	43	47	51	54	57	61	61
21	44	49	54	58	62	66	69	69
24	49	55	60	65	70	74	78	78
27	55	61	67	73	78	82	87	87
30	60	67	74	80	85	91	96	96
33	66	74	81	87	93	99	104	104
36	71	80	87	94	101	107	113	113
39	77	86	94	102	109	115	122	122



SECTION

ELEVATION

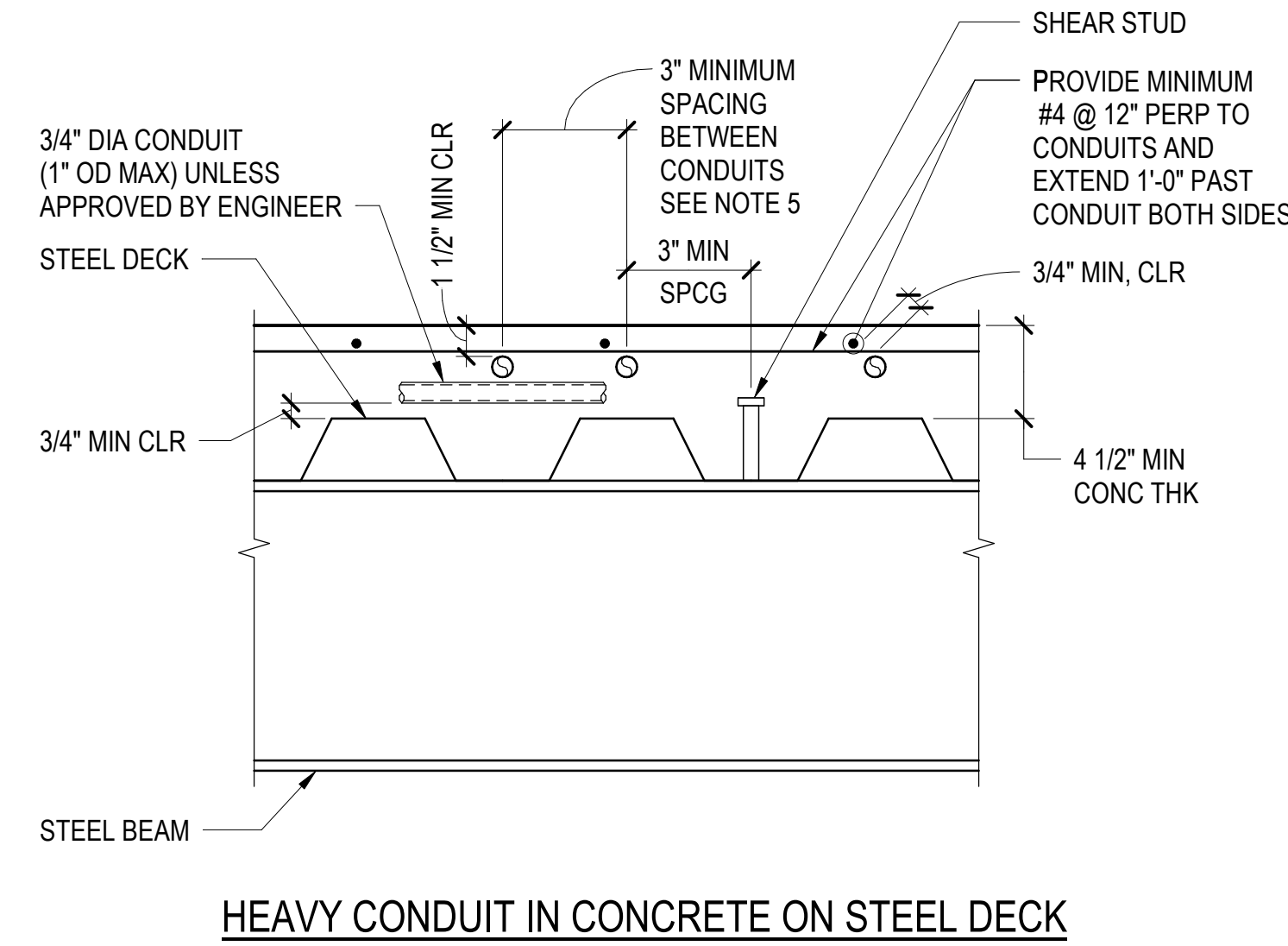
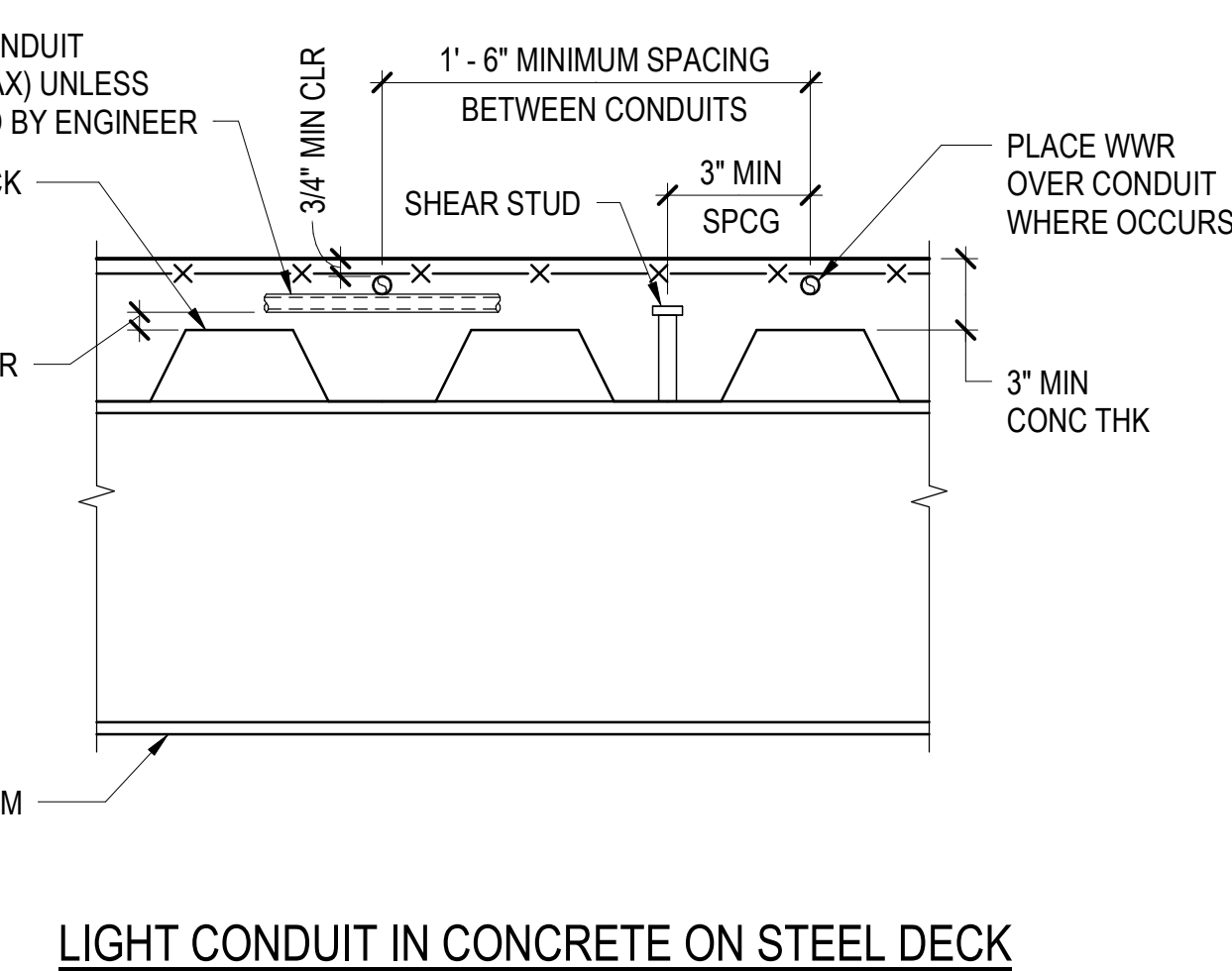
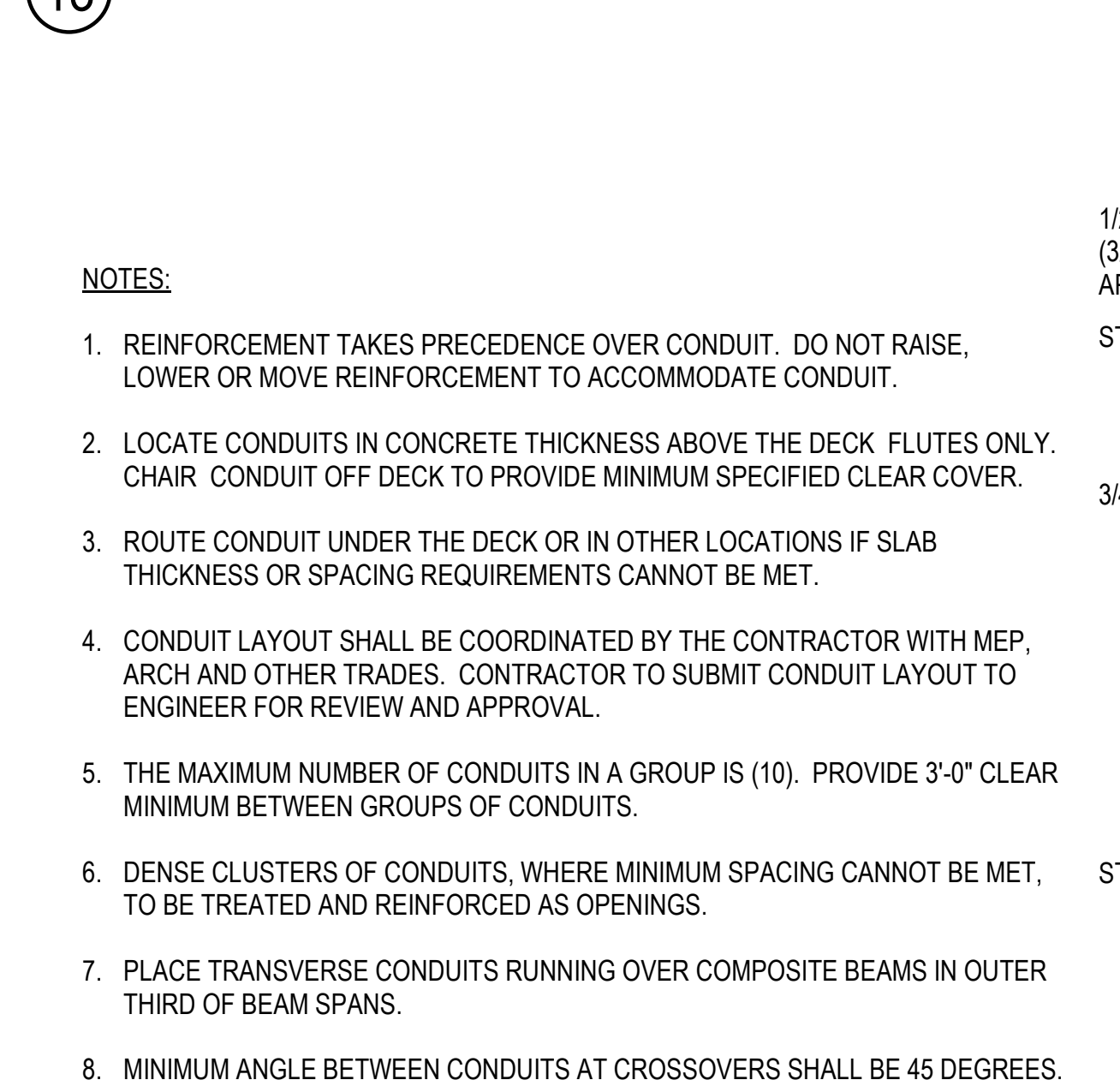
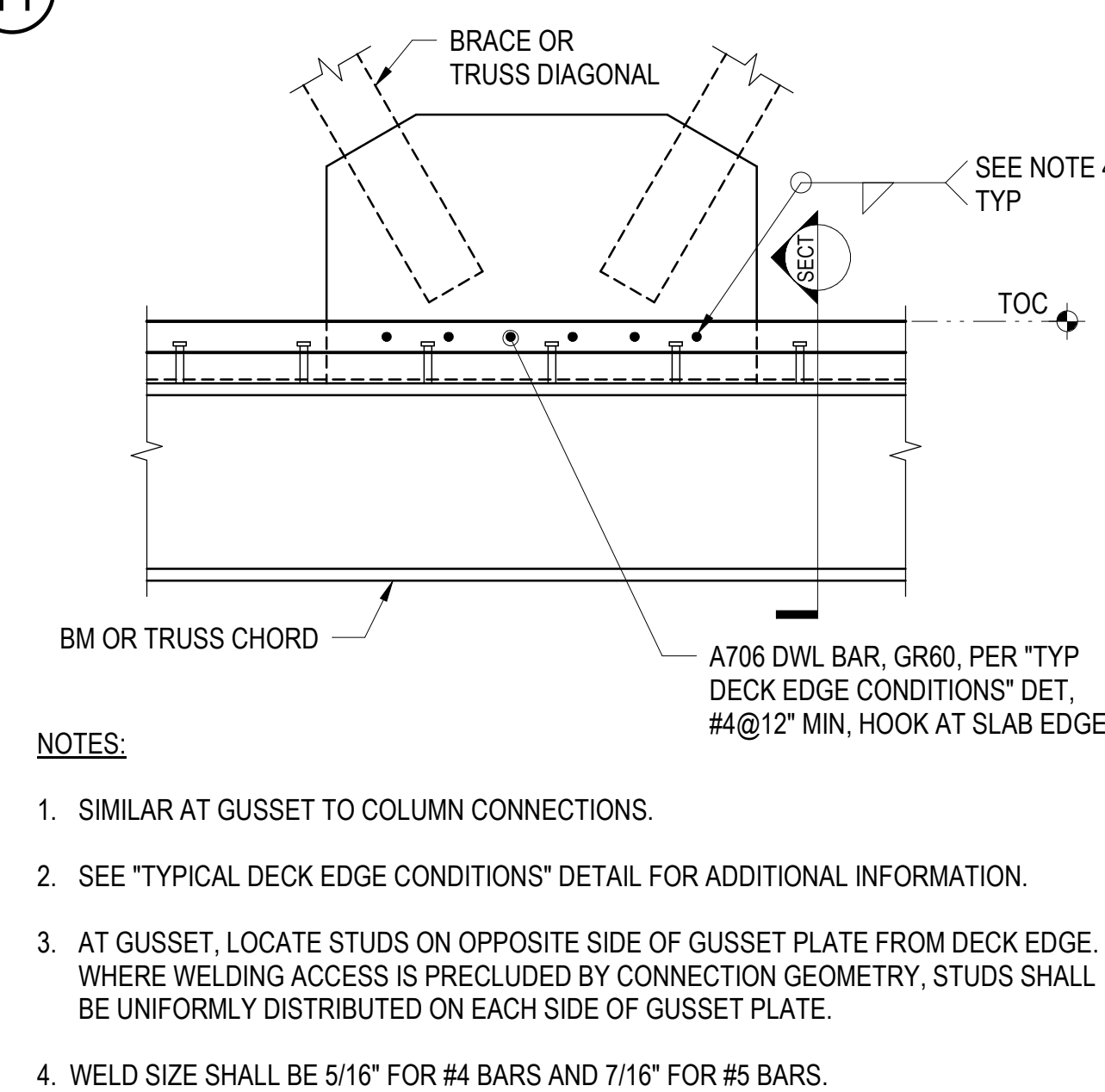
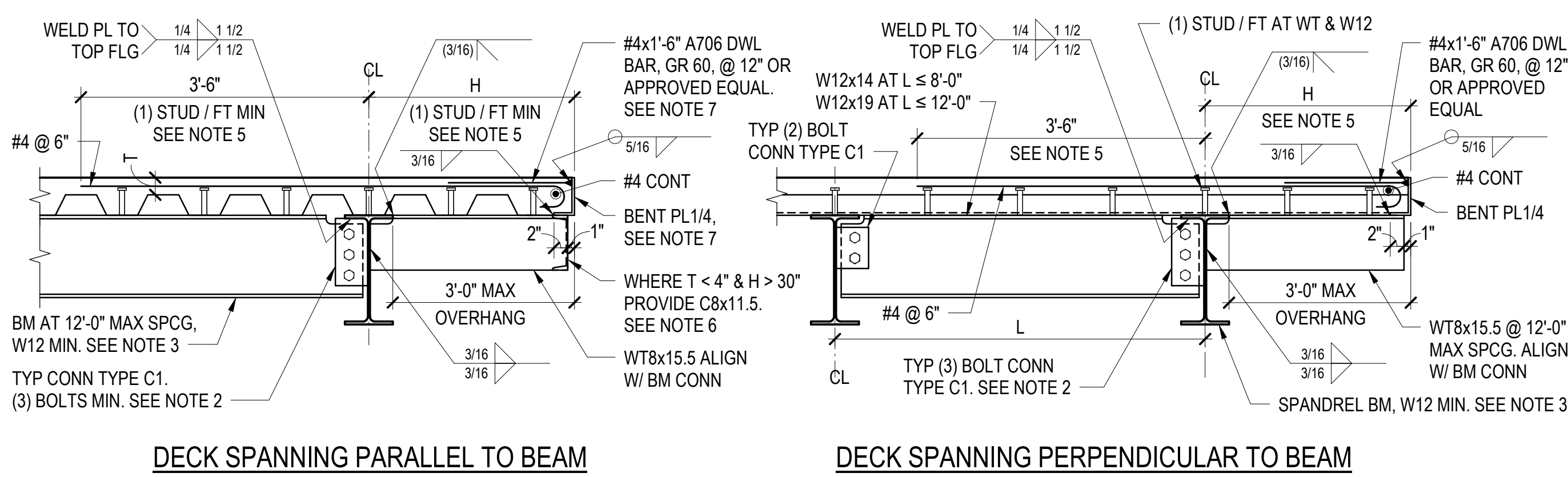
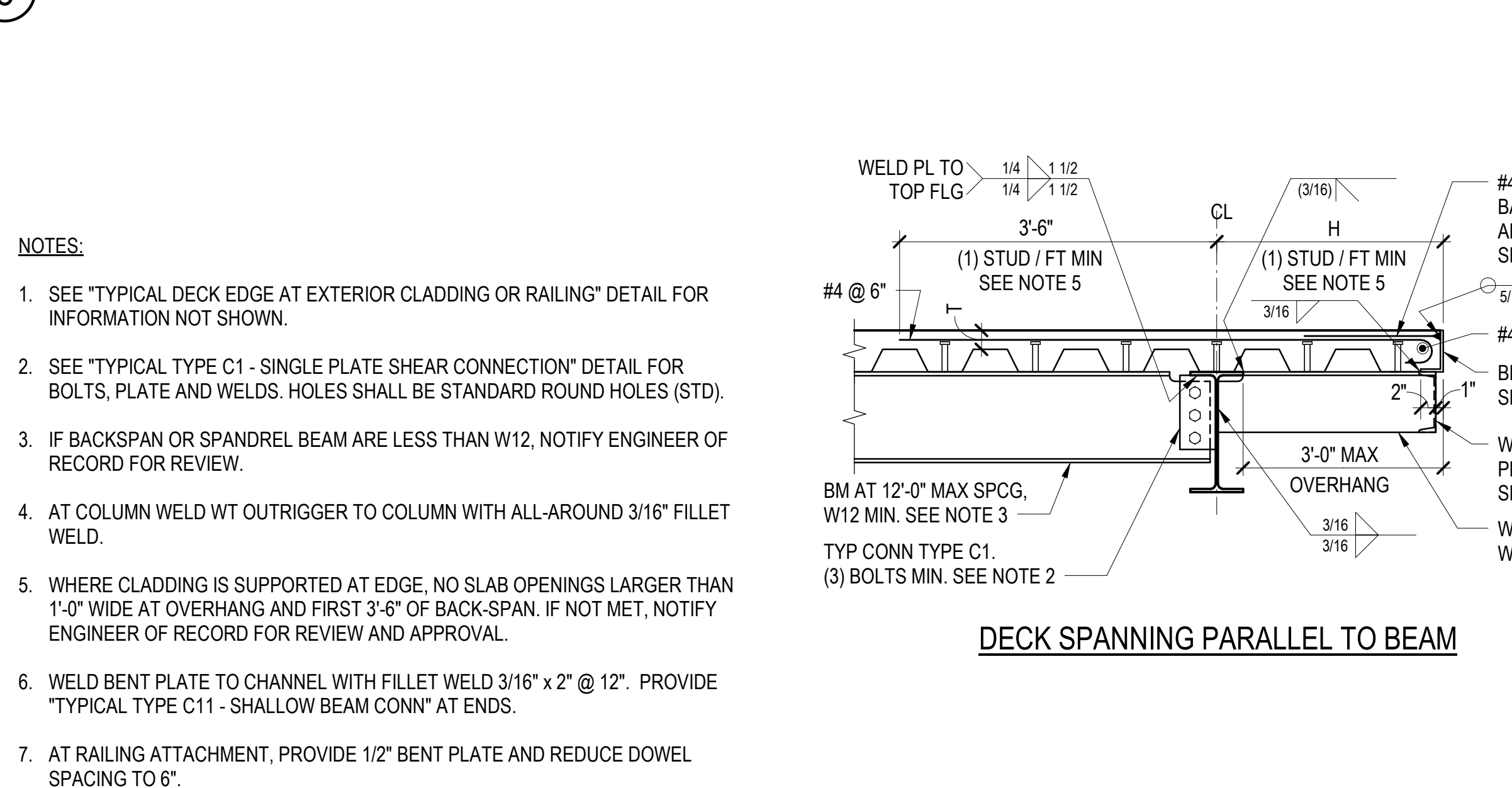
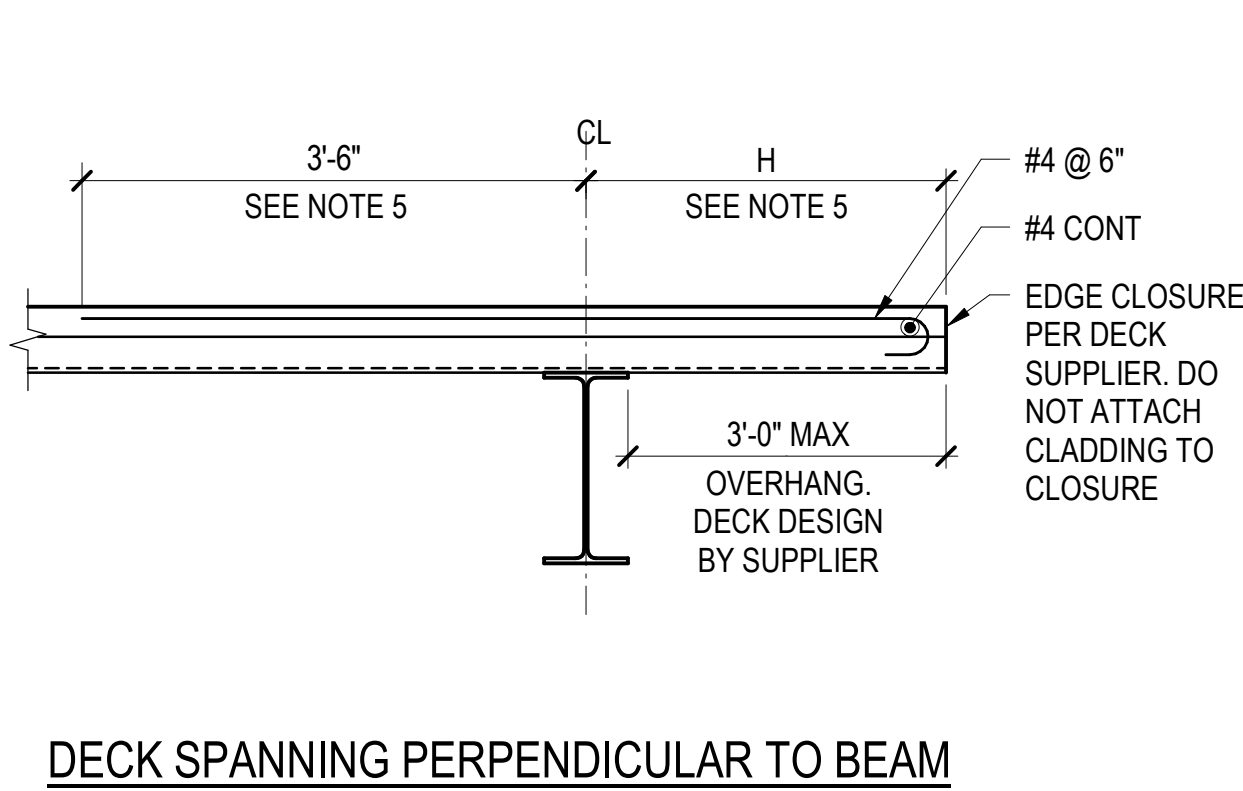
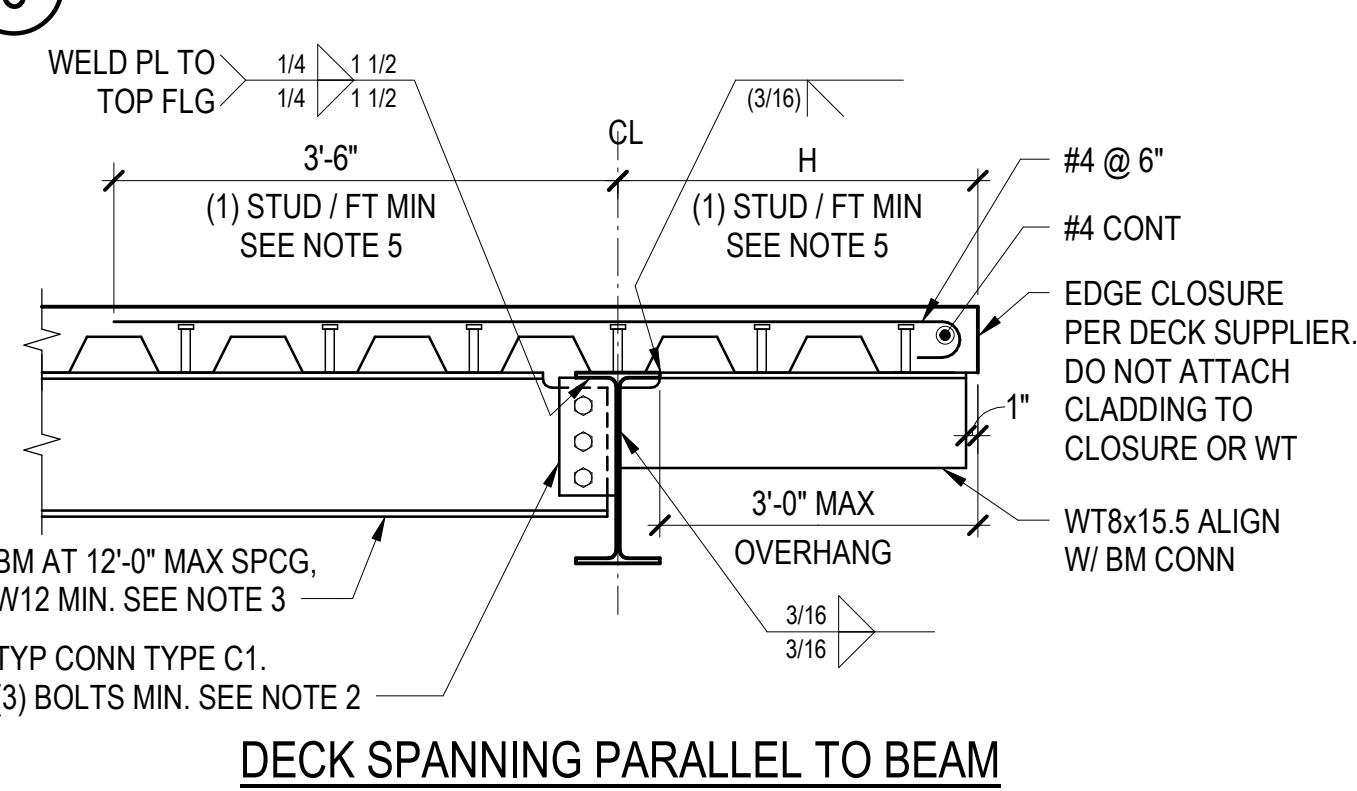
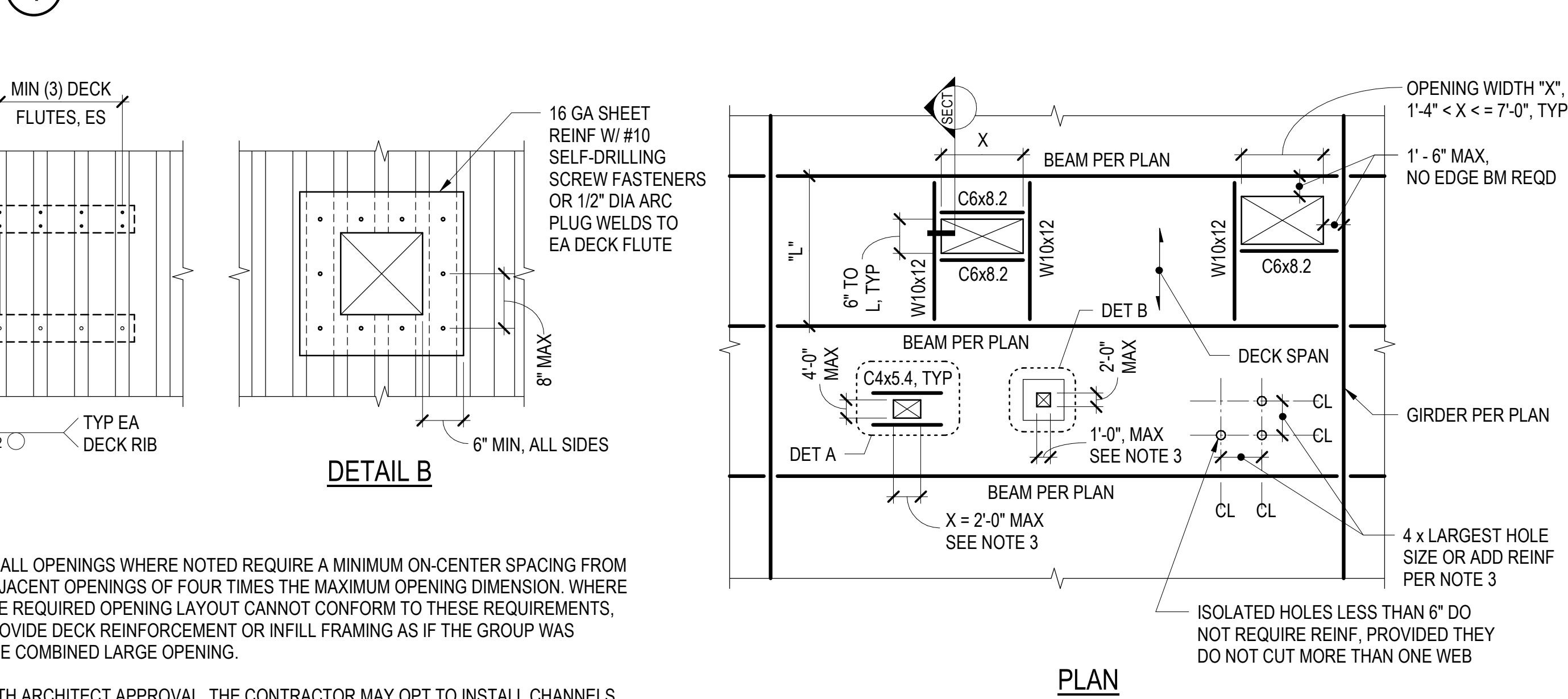
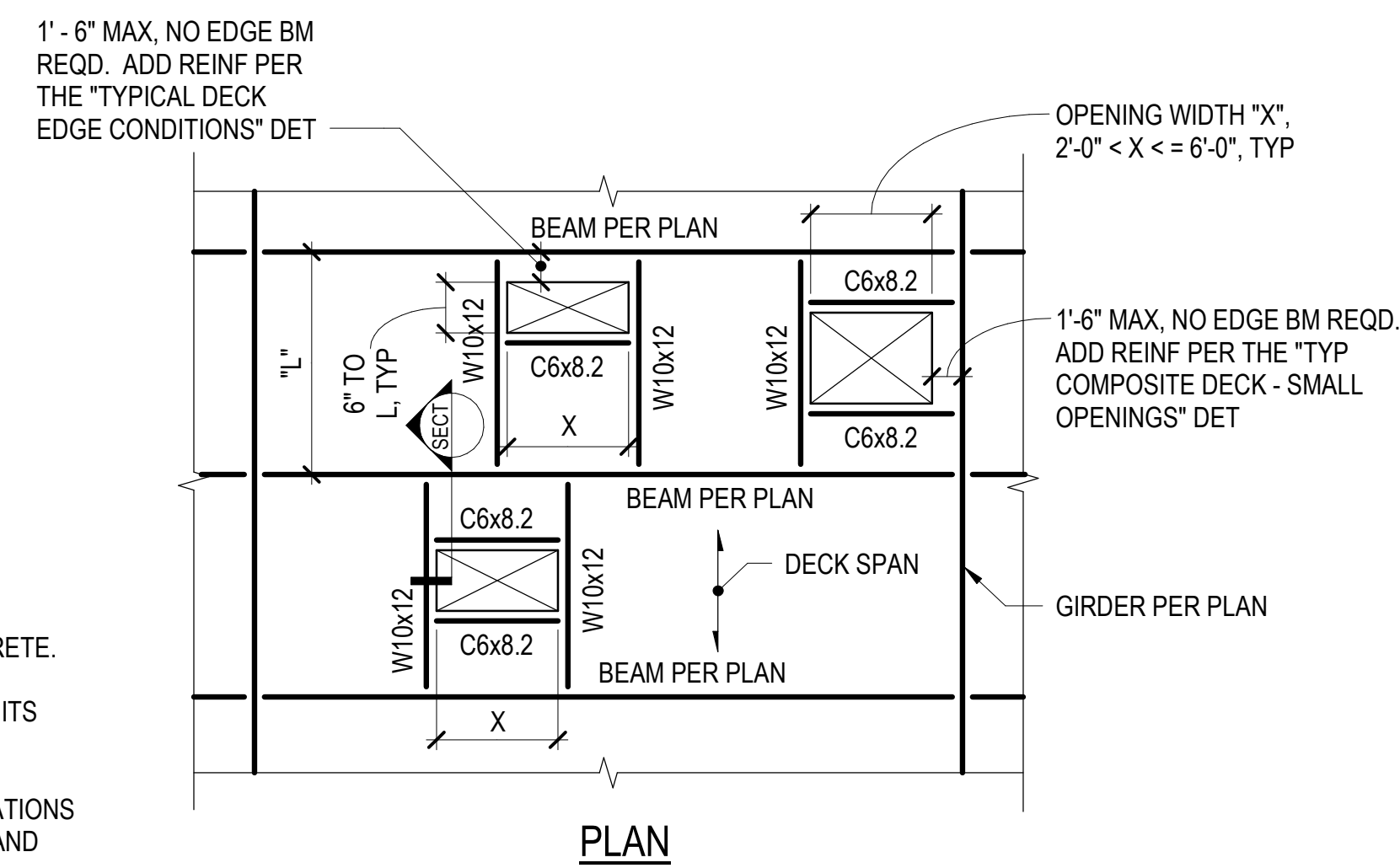
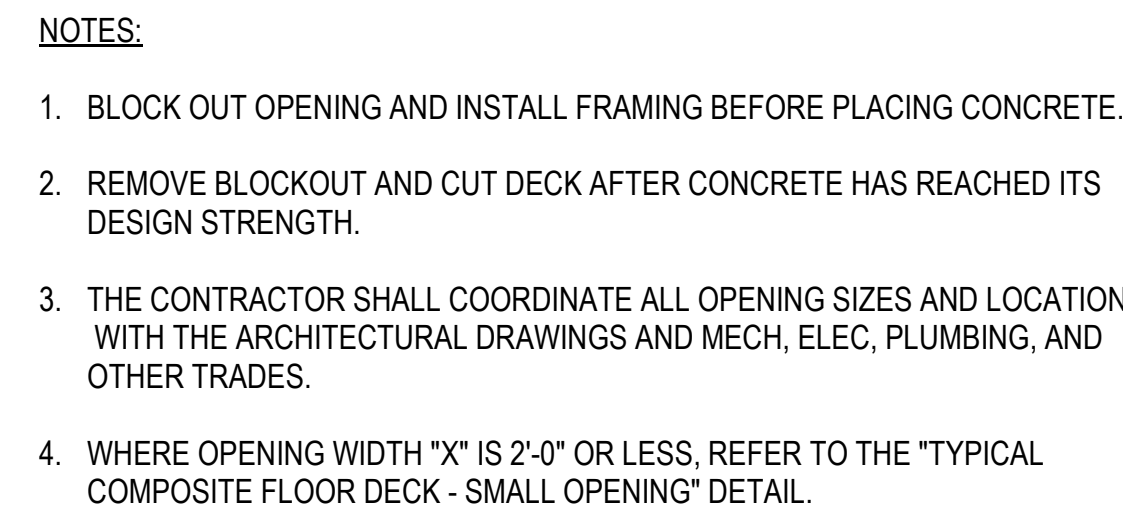
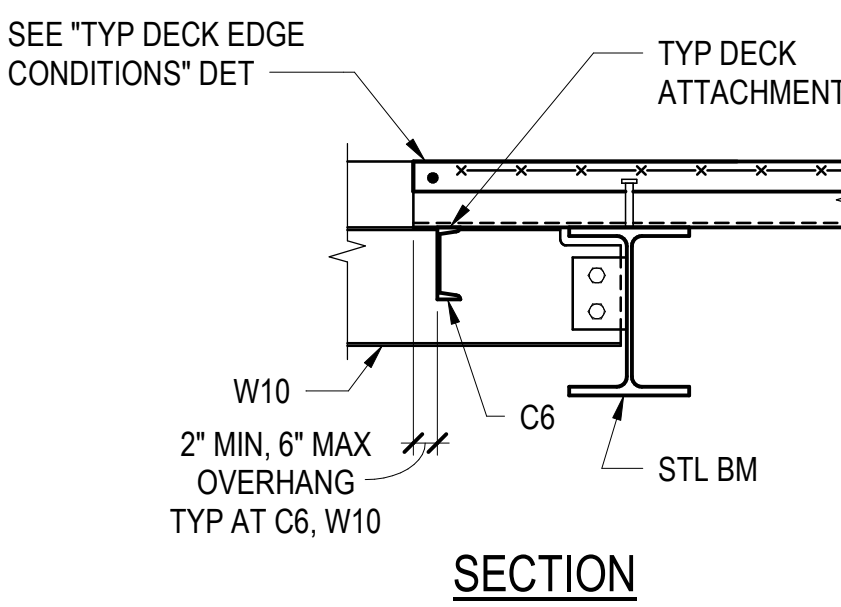
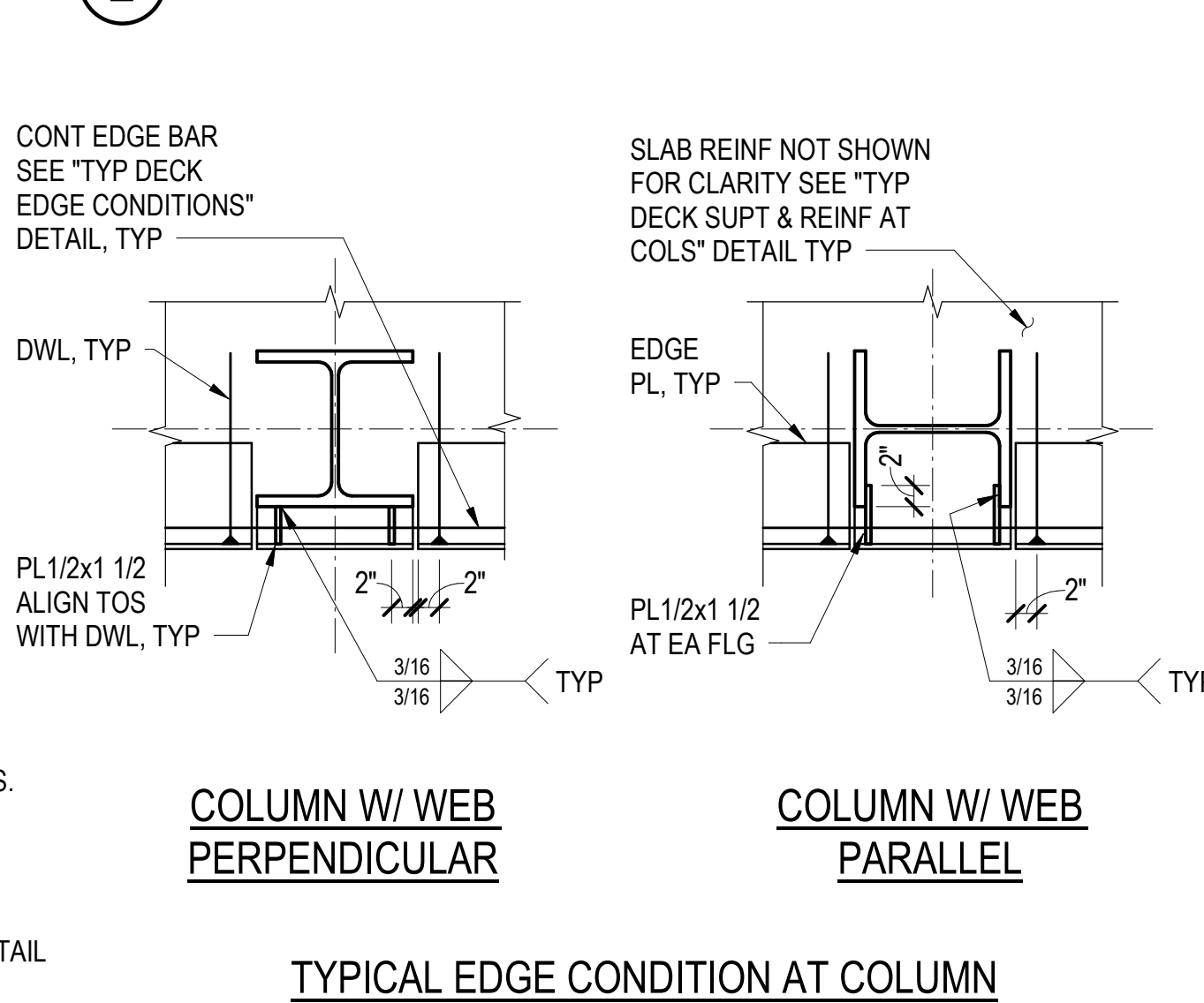
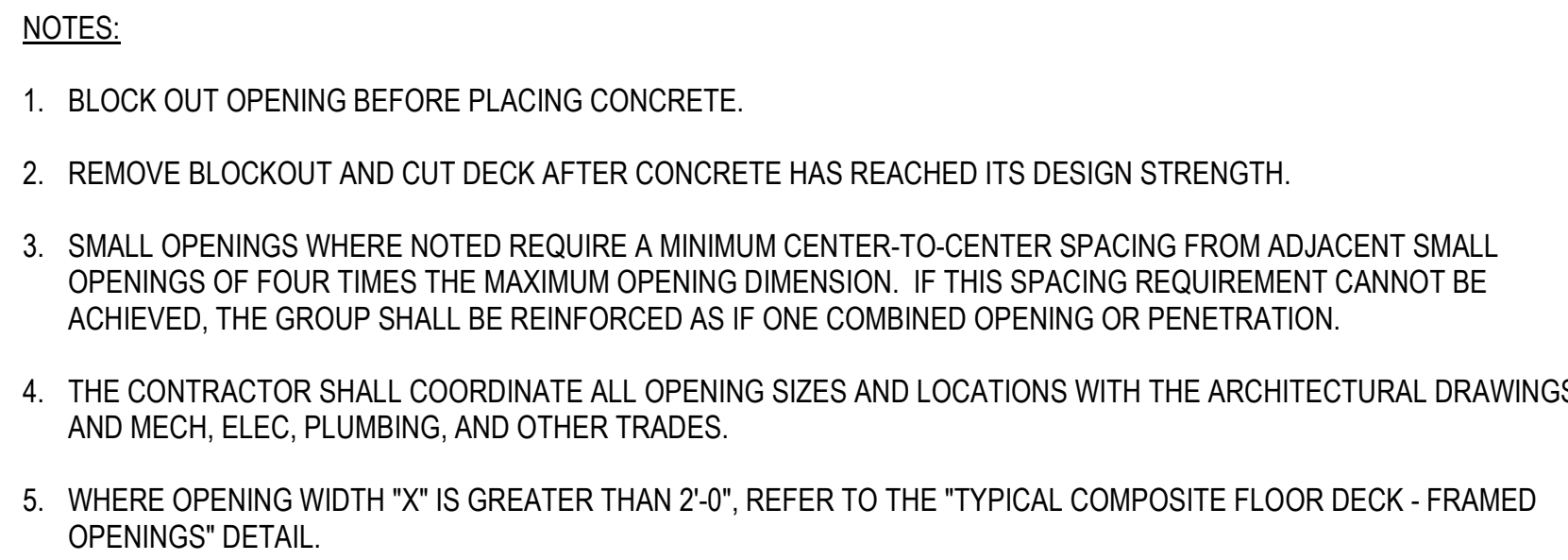
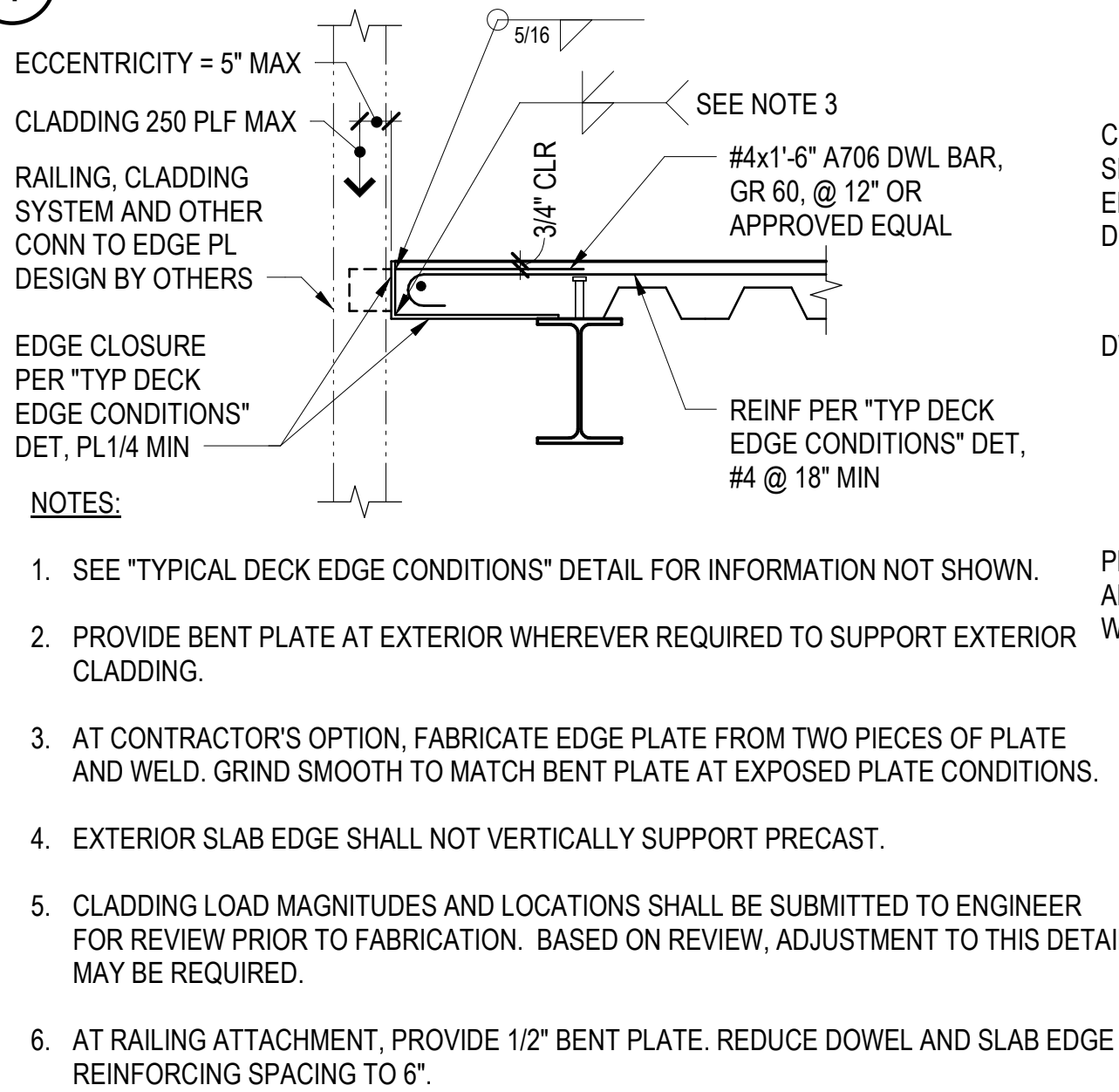
TOTAL NUMBER OF #5 BARS	MAXIMUM REACTION (KIPS)	
6	48	
8	67	
10	86	
12	105	
14	124	
16	144	
18	163	
20	182	
22	201	
24	220	
26	240	

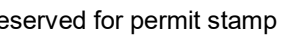
18 TYPICAL TYPE C27 - HEAVY STEEL CONNECTION TO CONCRETE COLUMN OR WALL

16 TYPICAL TYPE C26 - STEEL CONNECTION TO CONCRETE BEAM

TYPICAL STEEL
BEAM
CONNECTIONS TO
CONCRETE

S4.13





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SOMMET BLANC - ABC
DEER VALLEY, UTAH

Structural + Civil Engineers

Seattle, Chicago



SECTION AT
CONCRETE WALL

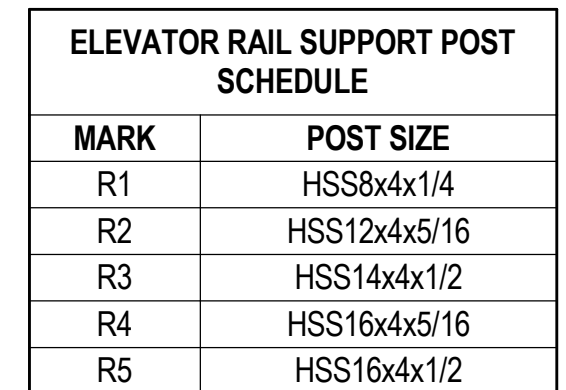
AT CONCRETE SLAB

SECTION AT
CONCRETE SLAB

③

DOUBLE TUBE

1. WHERE NOTE APPLIES, BOLT TO BE CENTERED IN SLOTTED HOLE IN ANGLE. NUTS TO BE FINGER TIGHT. DAMAGE THREADS OF BOLT TO PREVENT BACK-OFF OF NUT.



1. SEE TYPICAL ELEVATOR RAIL SUPPORT POST DETAILS FOR MORE INFORMATION.

7



DOUBLE TUBE

SECTION

1. WHERE NOTE APPLIES, BOLT TO BE CENTERED IN SLOTTED HOLE IN ANGLE. NUTS TO BE FINGER TIGHT. DAMAGE THREADS OF BOLT TO PREVENT BACK-OFF OF NUT.
2. CONTRACTOR TO COORDINATE STUD SPACING WHERE ELEVATOR RAIL SUPPORT POSTS STACK ON ADJACENT LEVELS TO AVOID CONFLICTING STUD LOCATIONS. PROVIDE MINIMUM 2" OC SPACING BETWEEN STUDS.

⑨



— EDGE OF EMBED MUST BE MINIMUM 42" CLEAR FROM EDGES OF WALL OR ANY WALL OPENINGS, UNO

10

project manager _____

drawn by

checked by _____

no. 20052

visions:

11



BRACE PARALLEL TO DECK

ELEVATOR RAIL SUPPORT POST
BOTTOM FLANGE BRACING

18

14



DOUBLE TUBE

ALTERNATE TOP OF RAIL
POST CONNECTION

1. WHERE NOTE APPLIES, BOLT TO BE CENTERED IN SLOTTED HOLE IN ANGLE.
NUTS TO BE FINGER TIGHT. DAMAGE THREADS OF BOLT TO PREVENT BACK-OFF OF NUT.

19

S4.16

S4.16

TOWER A - ROOF STEEL COLUMN SCHEDULE																											
TOWER A - ROOF																											
8419' - 6"																											
TOWER B - LEVEL 5																											
8412' - 0"																											
TOWER A - LEVEL 6																											
8407' - 6"																											
TOWER A - LEVEL 5																											
8395' - 0"																											
Column Locations																											

TOWER A - ROOF STEEL COLUMN SCHEDULE

TOWER A - STEEL COLUMN SCHEDULE											
TOWER A - LEVEL 6											
8407' - 6"											
TOWER A - LEVEL 5											
8395' - 0"											
TOWER A - LEVEL 4											
8383' - 0"											
TOWER A - LEVEL 3											
8371' - 0"											
TOWER A - LEVEL 2											
8359' - 0"											
TOWER A - LEVEL 1											
8345' - 0"											
PARKING LEVEL 2											
8333' - 0"											
Column Locations											

NOTES:

1.

BASE PLATES SHALL HAVE F_y = 50 KSI, UNLESS NOTED OTHERWISE.

2.

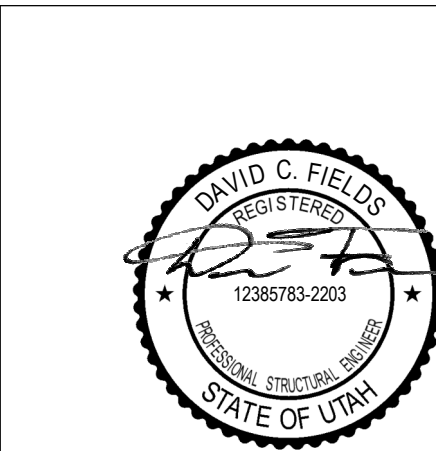
X

INDICATES CONNECTION OF STEEL COLUMN TO CONCRETE SLAB. SEE "TYPICAL TOP OF STEEL COLUMN SUPPORTING CONCRETE FRAMING" DETAIL, "TYPICAL STEEL COLUMN SUPPORTING CONCRETE FRAMING" DETAIL, AND "STEEL COLUMN SLAB PLATE SCHEDULE" ON S4.11

TOWER A - STEEL COLUMN SCHEDULE

TOWER AB CONNECTOR - STEEL COLUMN SCHEDULE																											
TOWER A - LEVEL 2																											
8359' - 0"																											
TOWER A - LEVEL 1																											
8345' - 0"																											
Column Locations																											

TOWER AB CONNECTOR - STEEL COLUMN SCHEDULE



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project:
SOMMET BLANC - ABC
DEER VALLEY, UTAH

principal architect

project manager

drawn by

checked by

job no. 20052

date 11/18/2022

revisions:

1

11/18/2022

IFC

no.

date

by

CONSTRUCTION DOCUMENTS
11/18/2022

TOWER A STEEL COLUMN SCHEDULE

S4.A.10

TOWER B - ROOF STEEL COLUMN SCHEDULE																													
TOWER B - ROOF 8448' - 9"																													TOWER B - ROOF 8448' - 9"
TOWER B - LEVEL 7 8436' - 6"		BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	TOWER B - LEVEL 7 8436' - 6"	
Column Locations	SCB1A	SCB11	SCB13	SCB14	SCB15	SCB15A	SCB16	SCB18	SCB19A	SCB19	SCB17	SCB20	SCB12	SCB21	SCB22	SCB23	SCB24	SCB25	SCB46	SCB47	SCB26	SCB27	SCB28	SCB29	SCB30	SCB31	SCB32	SCB33	

TOWER B - ROOF STEEL COLUMN SCHEDULE															
TOWER B - ROOF 8448' - 9"															TOWER B - ROOF 8448' - 9"
	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 1x8x1'-0" 4/S4.11	TOWER B - LEVEL 7 8436' - 6"
Column Locations	SCB34	SCB35	SCB48	SCB37	SCB49	SCB40	SCB36	SCB38	SCB41	SCB39	SCB42	SCB43	SCB44	SCB45	

TOWER B - ROOF STEEL COLUMN SCHEDULE

TOWER B - STEEL COLUMN SCHEDULE											
TOWER B - LEVEL 7 8436' - 6"											TOWER B - LEVEL 7 8436' - 6"
TOWER B - LEVEL 6 8424' - 0"											TOWER B - LEVEL 6 8424' - 0"
TOWER B - LEVEL 5 8412' - 0"											TOWER B - LEVEL 5 8412' - 0"
TOWER B - LEVEL 4 8400' - 0"											TOWER B - LEVEL 4 8400' - 0"
TOWER B - LEVEL 3 8388' - 0"											TOWER B - LEVEL 3 8388' - 0"
TOWER B - LEVEL 2 8376' - 0"											TOWER B - LEVEL 2 8376' - 0"
TOWER B - LEVEL 1 8357' - 0"											TOWER B - LEVEL 1 8357' - 0"
PARKING LEVEL 1 8345' - 0"											PARKING LEVEL 1 8345' - 0"
PARKING LEVEL 2 8333' - 0"											PARKING LEVEL 2 8333' - 0"
Column Locations	SCB1	SCB2	SCB3	SCB4	SCB5	SCB6	SCB7	SCB8	SCB9	SCB10	

- NOTES:
- BASE PLATES SHALL HAVE $F_y = 50$ KSI, UNLESS NOTED OTHERWISE.
 - INDICATES CONNECTION OF STEEL COLUMN TO CONCRETE SLAB. SEE "TYPICAL TOP OF STEEL COLUMN SUPPORTING CONCRETE FRAMING" DETAIL, "STEEL COLUMN SUPPORTING CONCRETE FRAMING" DETAIL, AND "STEEL COLUMN SLAB PLATE SCHEDULE" ON S4.11.

TOWER B - STEEL COLUMN SCHEDULE

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project:
SOMMET BLANC - ABC
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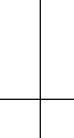


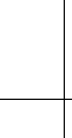
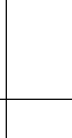


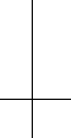


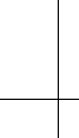
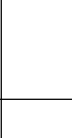


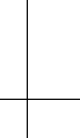


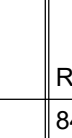



principal architect _____
project manager _____
drawn by _____
checked by _____
job no. 20052
date 11/18/2022

revisions:

1 11/18/2022 IFC
no. date by

CONSTRUCTION
DOCUMENTS
11/18/2022

TOWER B STEEL
COLUMN
SCHEDULE
S4.B.10

TOWER C - ROOF STEEL COLUMN SCHEDULE																									
ROOF 8475' - 0"																							ROOF 8475' - 0"		
	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 1x8x1'-0" 4/S4.11	BASE PL 3/4x12x1'-0" 2/S4.11	LEVEL 8 8463' - 0"		
Column Locations	SCC15	SCC18	SCC31	SCC19	SCC20	SCC34	SCC23	SCC24	SCC38	SCC26	SCC29	SCC16	SCC35	SCC27	SCC30	SCC17	SCC37	SCC21	SCC28	SCC32	SCC22	SCC25	SCC36	SCC33	

TOWER C - ROOF STEEL COLUMN SCHEDULE

TOWER C - STEEL COLUMN SCHEDULE													
LEVEL 8 8463' - 0"													
LEVEL 7 8450' - 6"													
LEVEL 6 8438' - 6"													
LEVEL 5 8426' - 6"													
LEVEL 4 8414' - 6"													
LEVEL 3 8402' - 6"													
LEVEL 2 8390' - 6"													
LEVEL 1 8376' - 6"													
PARKING 8364' - 6"	BASE PL 11/2x15x1'-7" SEE 2/S4.11	BASE PL 11/2x14x1'-4" SEE 2/S4.11	BASE PL 3/4x12x1'-2" SEE 2/S4.11		BASE PL 3/4x12x1'-2" SEE 2/S4.11	BASE PL 3/4x12x1'-2" SEE 2/S4.11	BASE PL 3/4x12x1'-2" SEE 2/S4.11	BASE PL 11/2x15x1'-7" SEE 2/S4.11	BASE PL 11/2x14x1'-4" SEE 2/S4.11	BASE PL 11/2x14x1'-4" SEE 4/S4.11	BASE PL 11/2x14x1'-4" SEE 4/S4.11	BASE PL 11/2x14x1'-4" SEE 4/S4.11	BASE PL 11/2x14x1'-4" SEE 4/S4.11
Column Locations	SCC1	SCC2	SCC3	C-4(-8' - 3")-C-F	SCC5	SCC6	SCC8	SCC9	SCC10	SCC11	SCC12	SCC13	SCC14

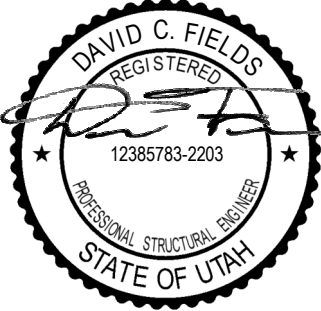
- NOTES:
1.

BASE PLATES SHALL HAVE Fy = 50 KSI, UNLESS NOTED OTHERWISE.
2.

X

INDICATES CONNECTION OF STEEL COLUMN TO CONCRETE SLAB. SEE TYPICAL TOP OF STEEL COLUMN SUPPORTING CONCRETE FRAMING DETAIL, TYPICAL STEEL COLUMN SUPPORTING CONCRETE FRAMING DETAIL, AND "STEEL COLUMN SLAB PLATE SCHEDULE" ON S4.11

TOWER C - STEEL COLUMN SCHEDULE



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ASSOCIATES

Structural + Civil Engineers

Seattle Chicago
www.mka.com
206.292.1200

principal architect _____

project manager _____

drawn by _____

Author

checked by Checker

job no. 20052

date 11/18/2022

revisions:

1 11/18/2022 IFC

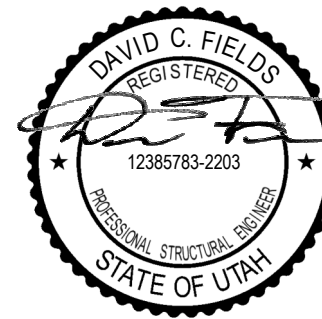
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CONSTRUCTION
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TOWER C STEEL
COLUMN
SCHEDULE

S4.C.10



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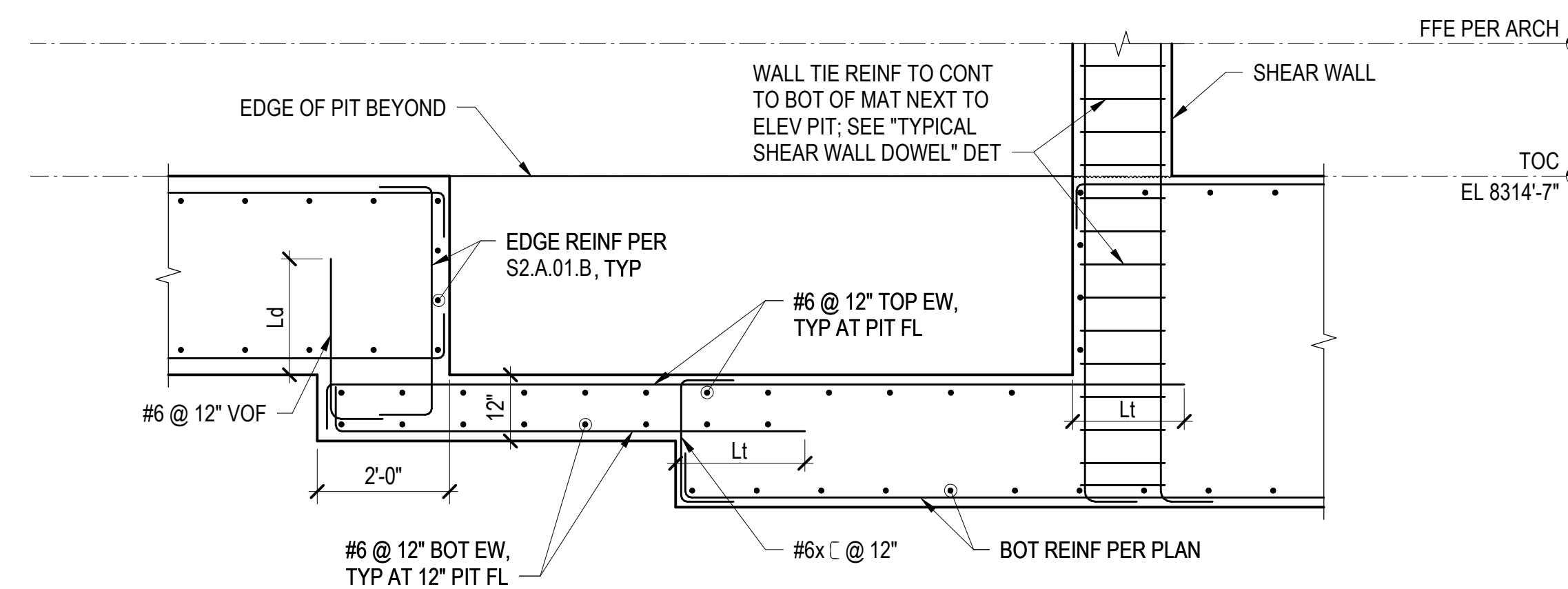
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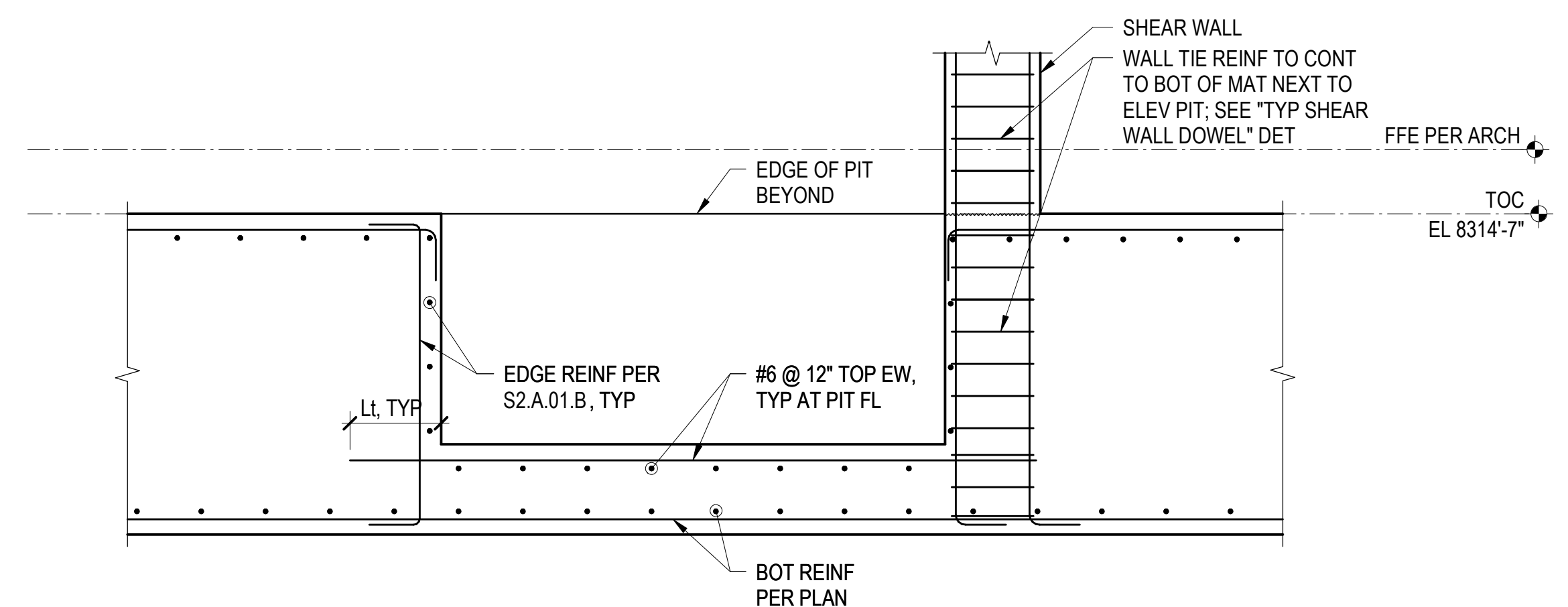
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TOWER A & B
CONCRETE
SECTIONS AND
DETAILS

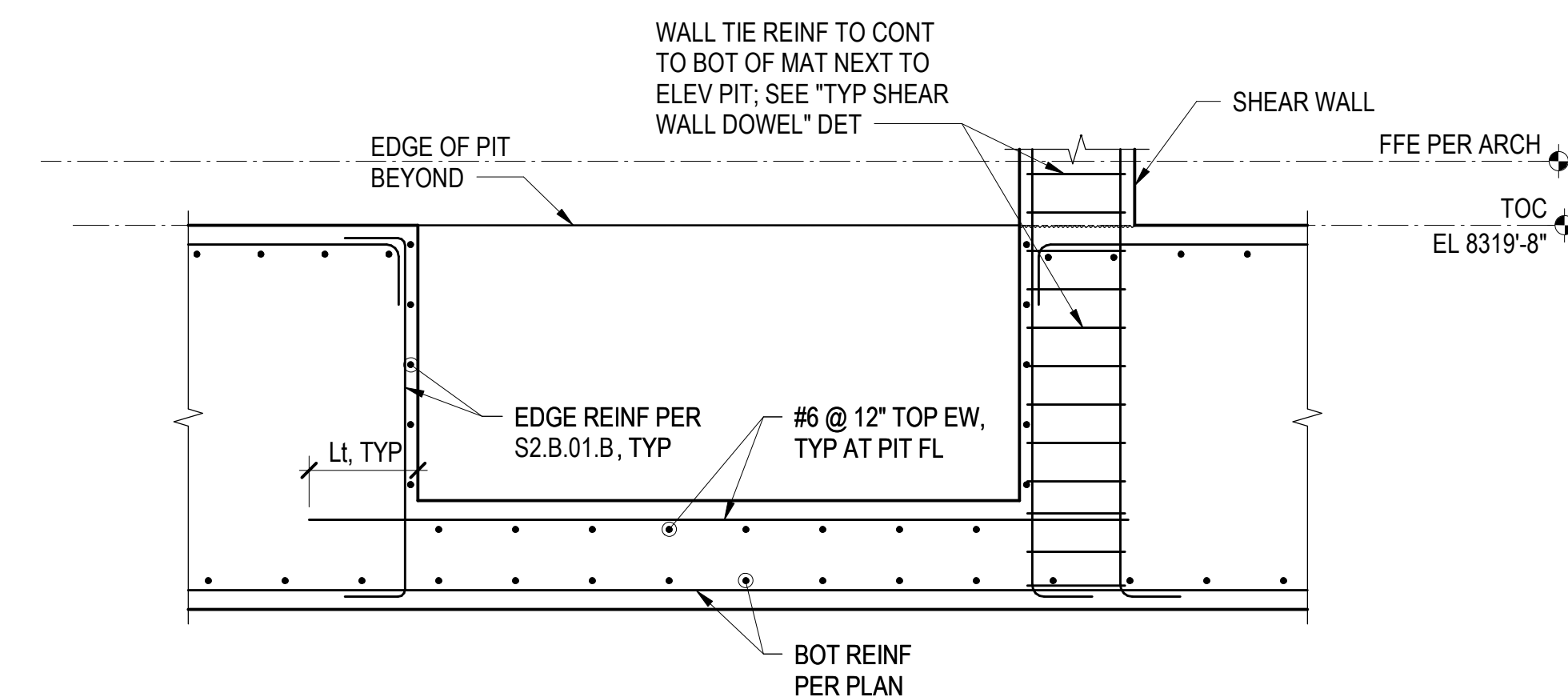
S5.00



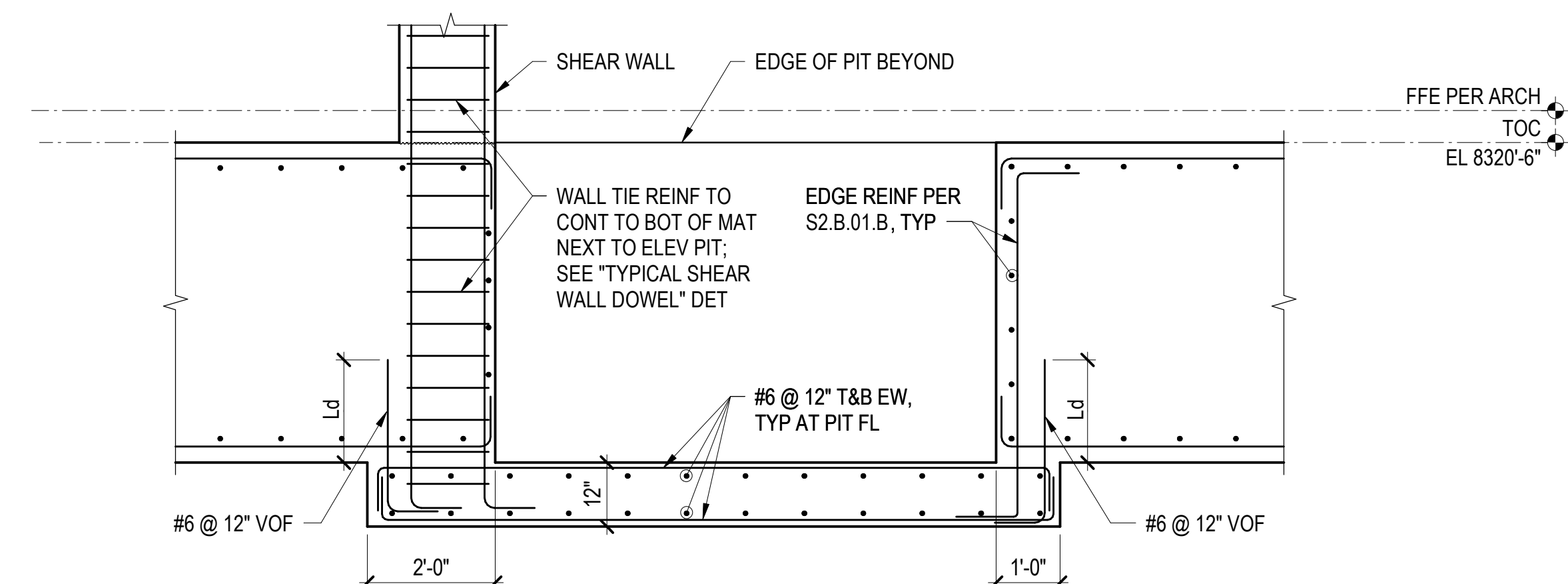
4 SECTION
1/2" = 1'-0"



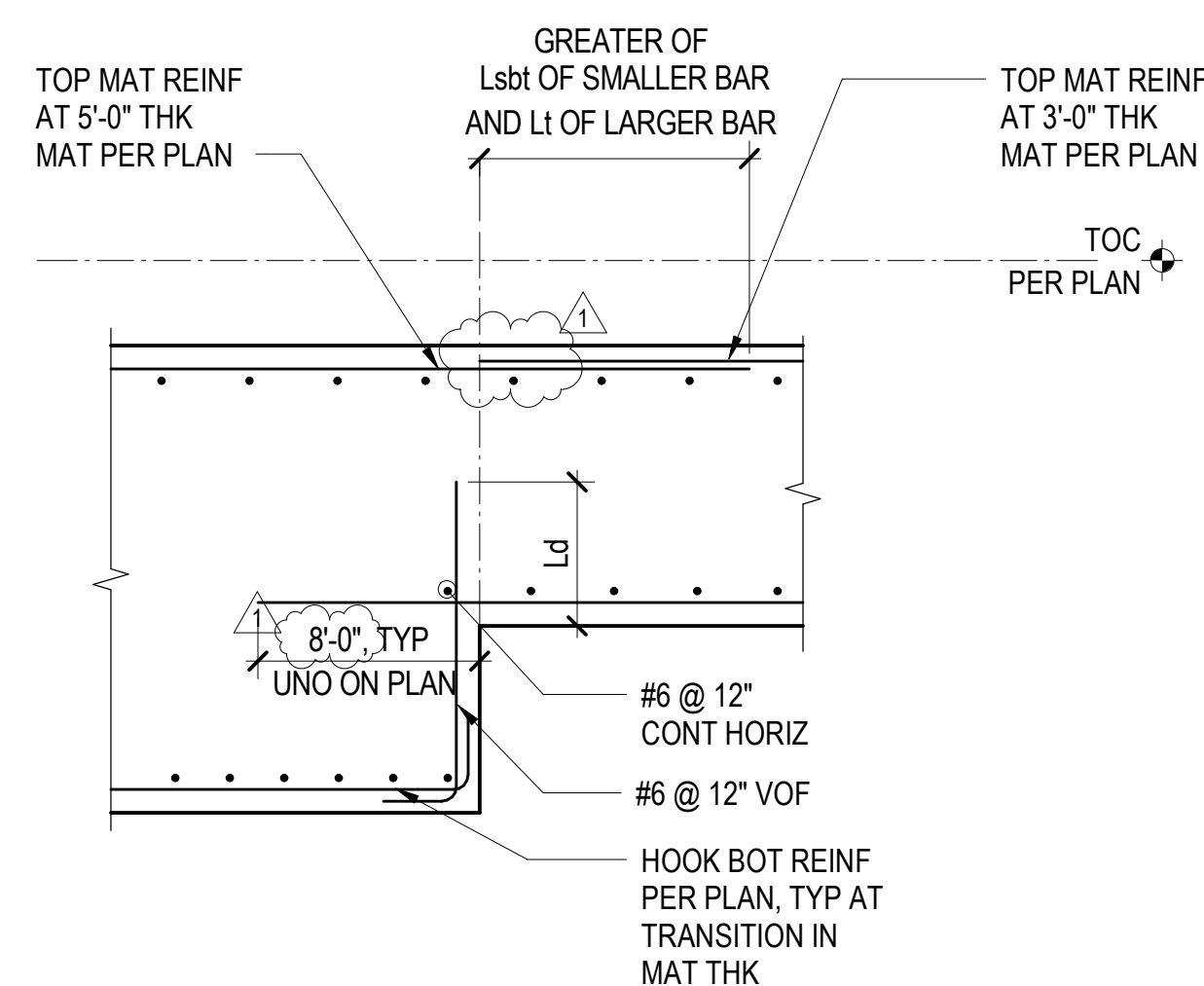
9 SECTION
1/2" = 1'-0"



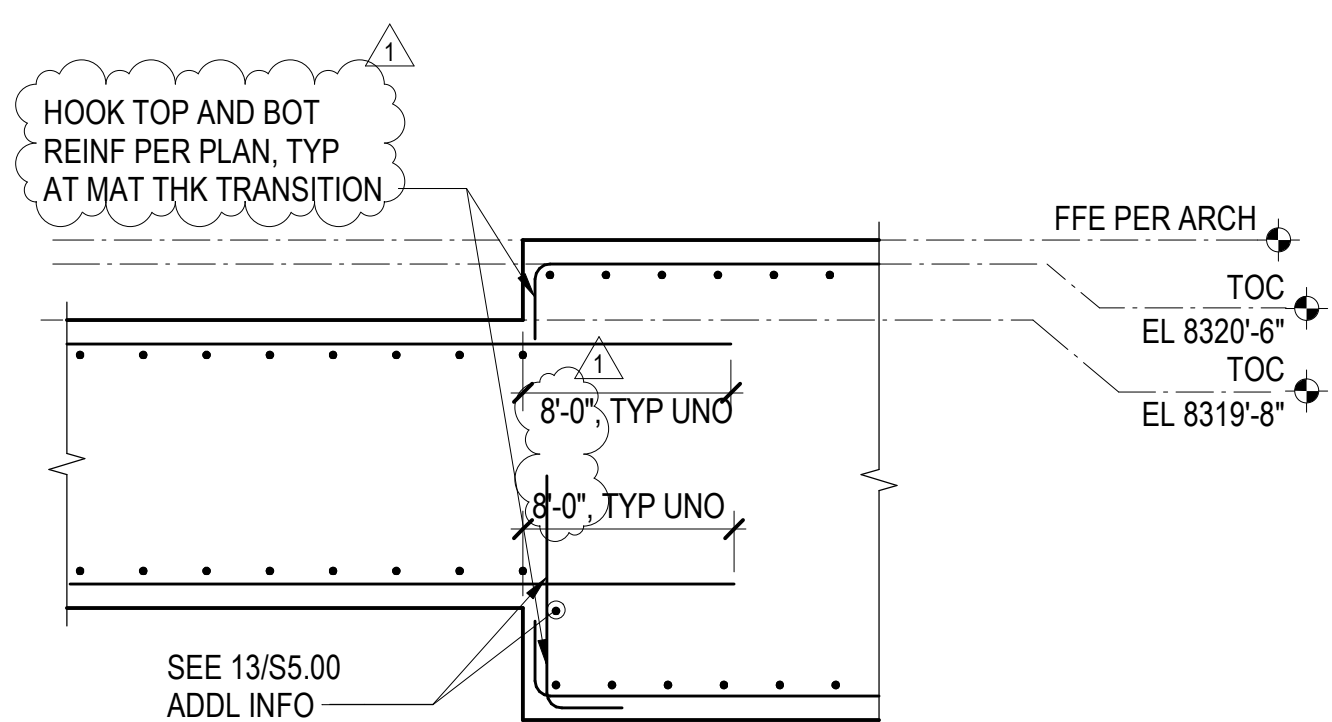
19 SECTION
1/2" = 1'-0"



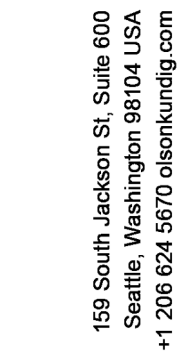
14 SECTION
1/2" = 1'-0"



13 SECTION
1/2" = 1'-0"



18 SECTION
1/2" = 1'-0"



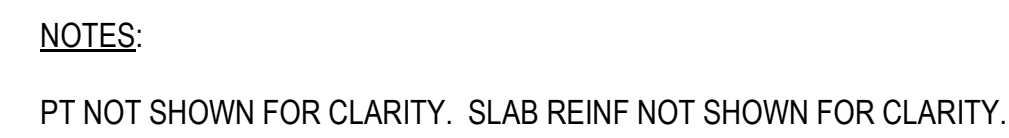
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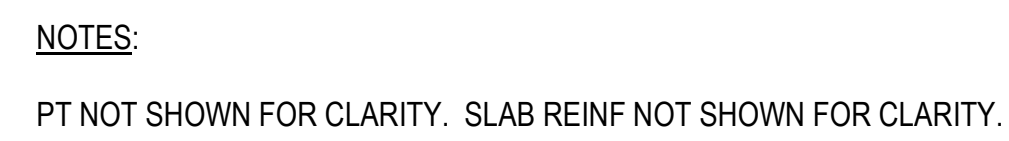
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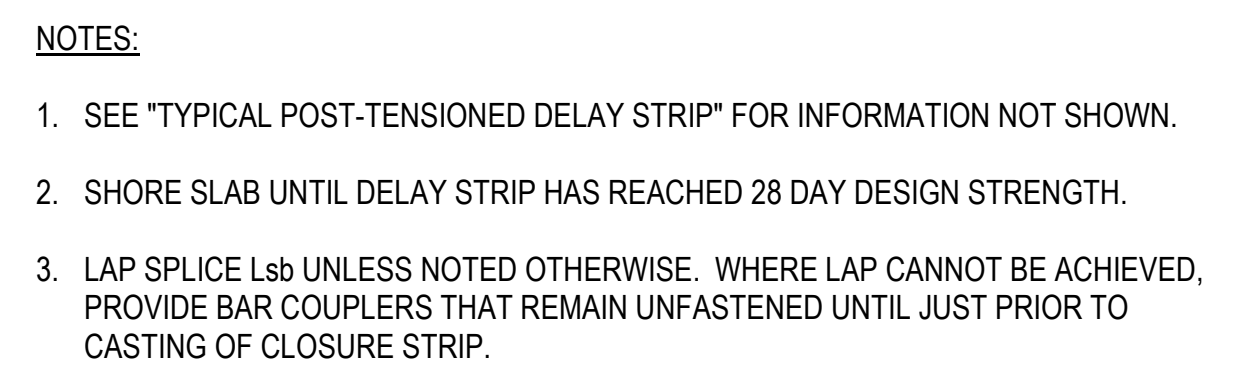
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14 SECTION
1/4" = 1'-0"



18 SECTION
1/4" = 1'-0"



20 SECTION
1/2" = 1'-0"

Principal architect _____

project manager_____

drawn by _____

Checked by _____

no. 20052

Date 11/18/2022

visions:

11/18/2022 IFC

date	by
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CONSTRUCTION

DOCUMENTS

11/18/2022

POWER A & B

OWER A & D
CONCRETE

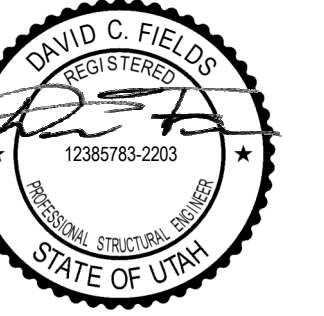
RECTIONS AND

DETAILS

01

01

101



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principal architect _____
project manager _____
drawn by _____
Author
checked by _____
Checker
job no. 20052
date 11/18/2022

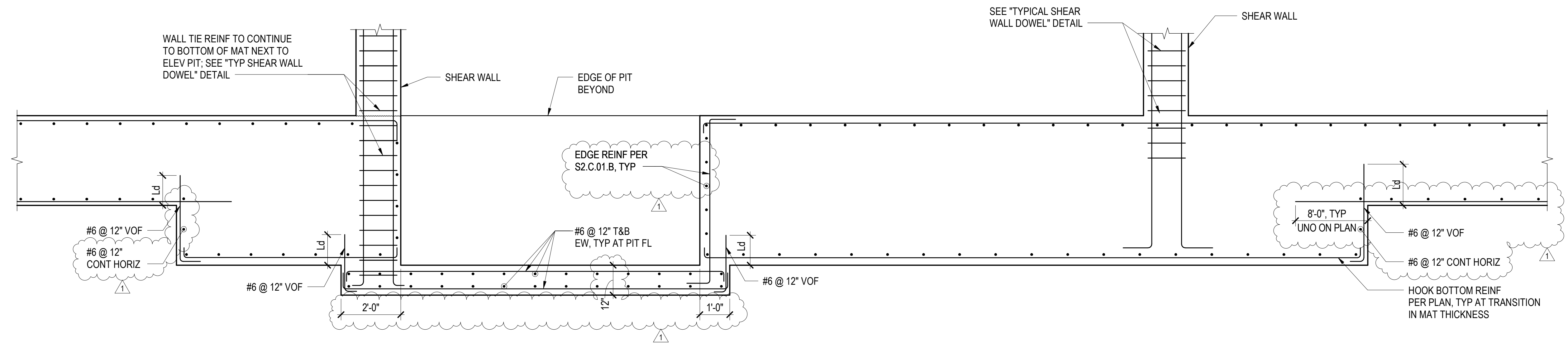
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1 11/18/2022 IFC
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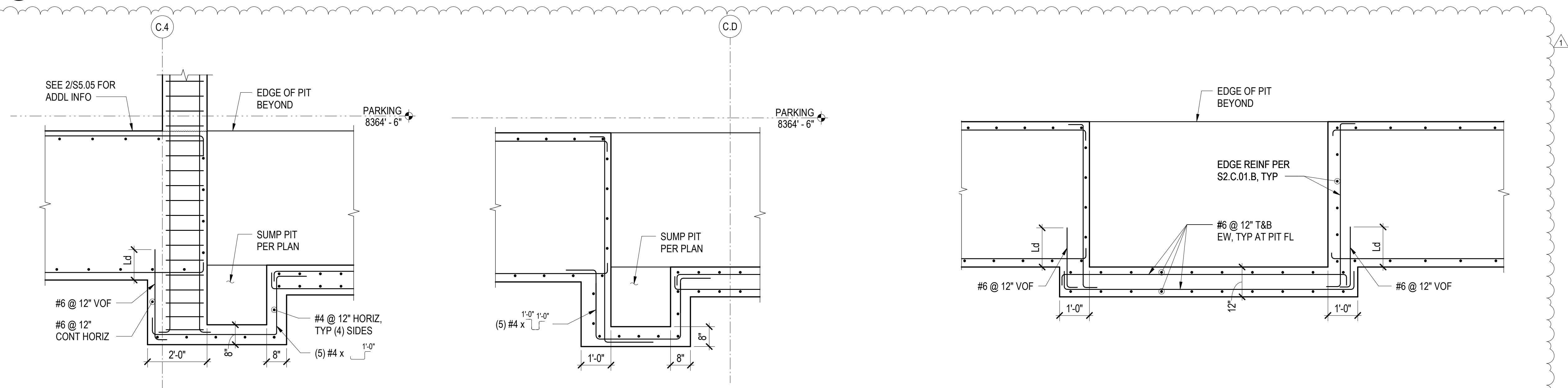
CONSTRUCTION
DOCUMENTS
11/18/2022

TOWER C
CONCRETE
SECTIONS AND
DETAILS

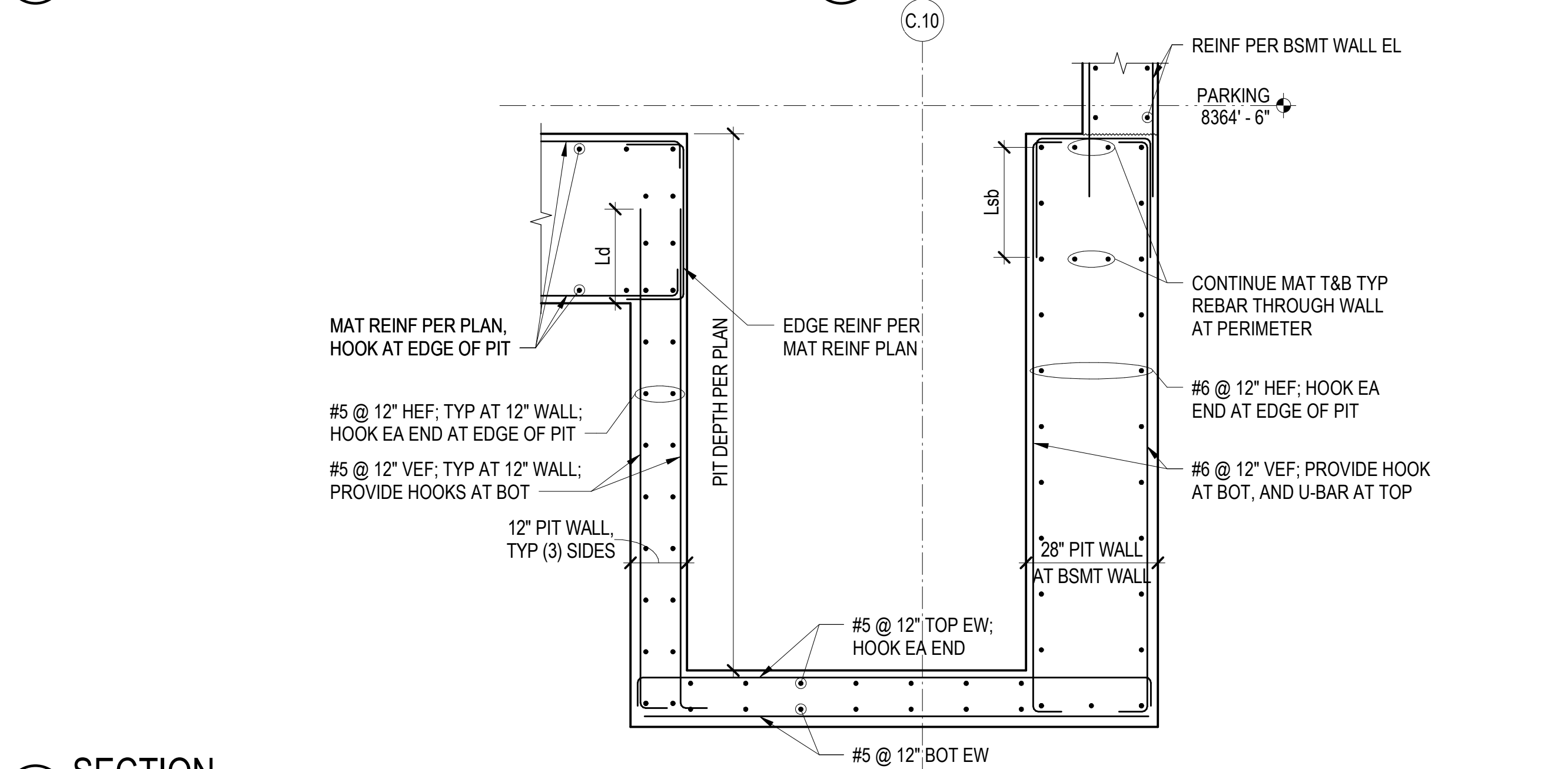
S5.05



2 SECTION
1/2" = 1'-0"

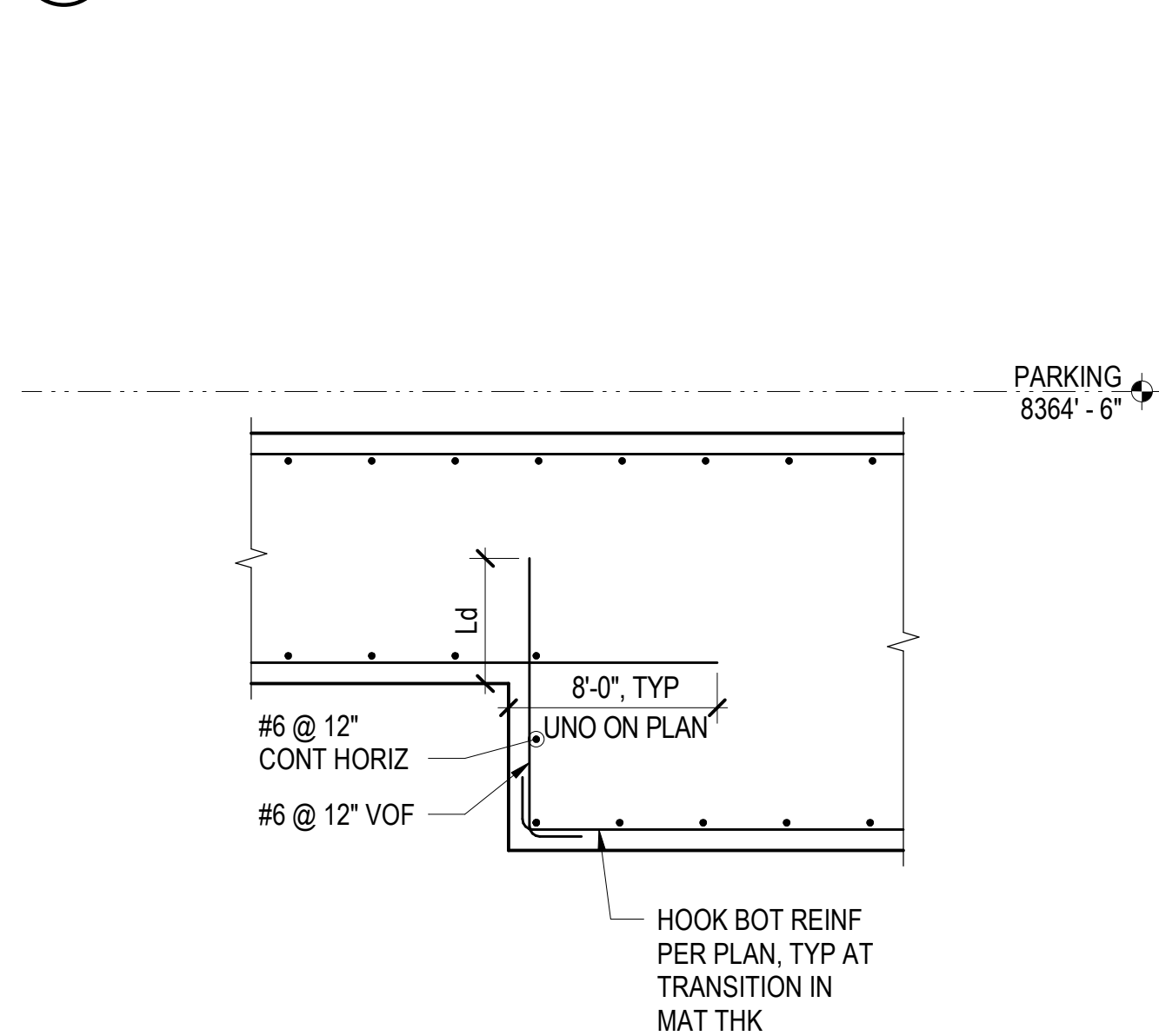


7 SECTION
1/2" = 1'-0"

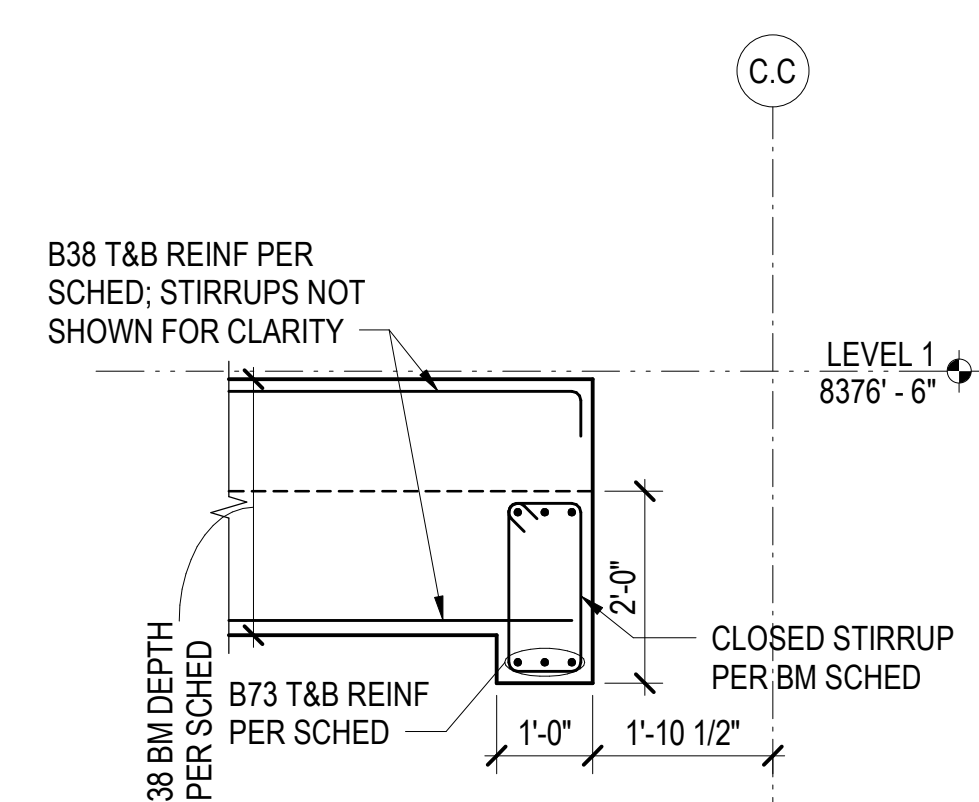


12 SECTION
1/2" = 1'-0"

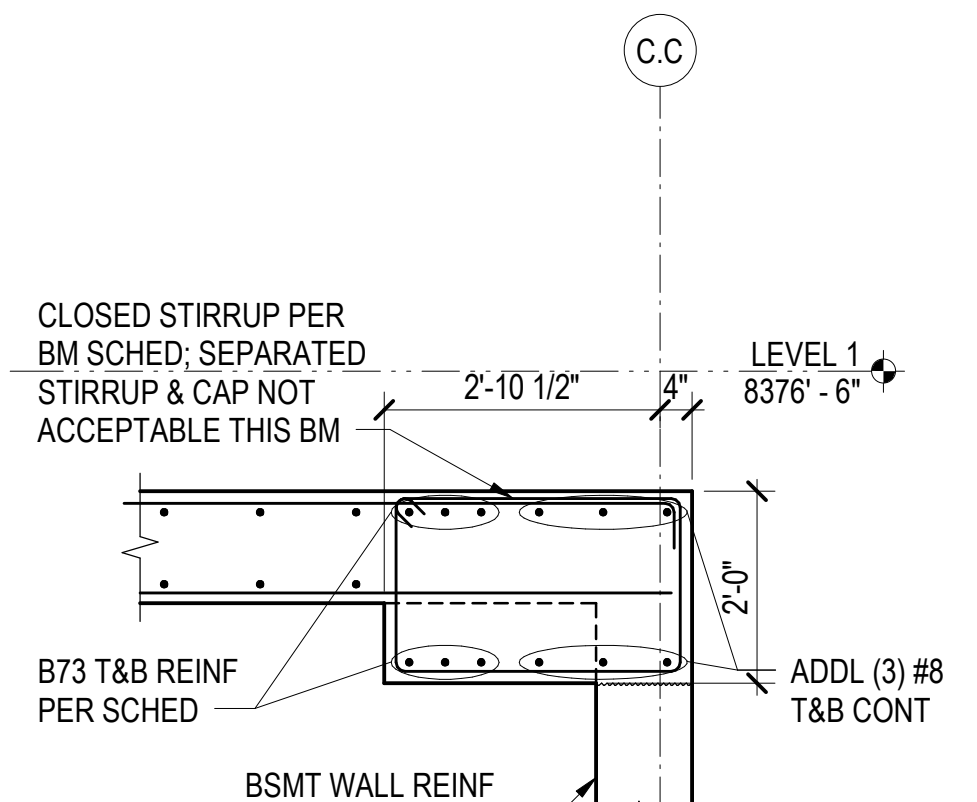
9 SECTION
1/2" = 1'-0"



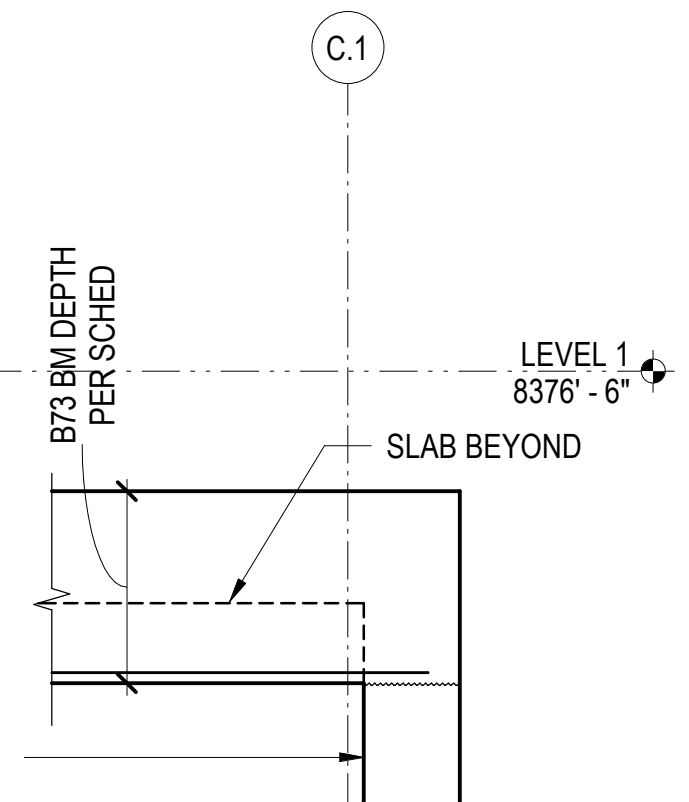
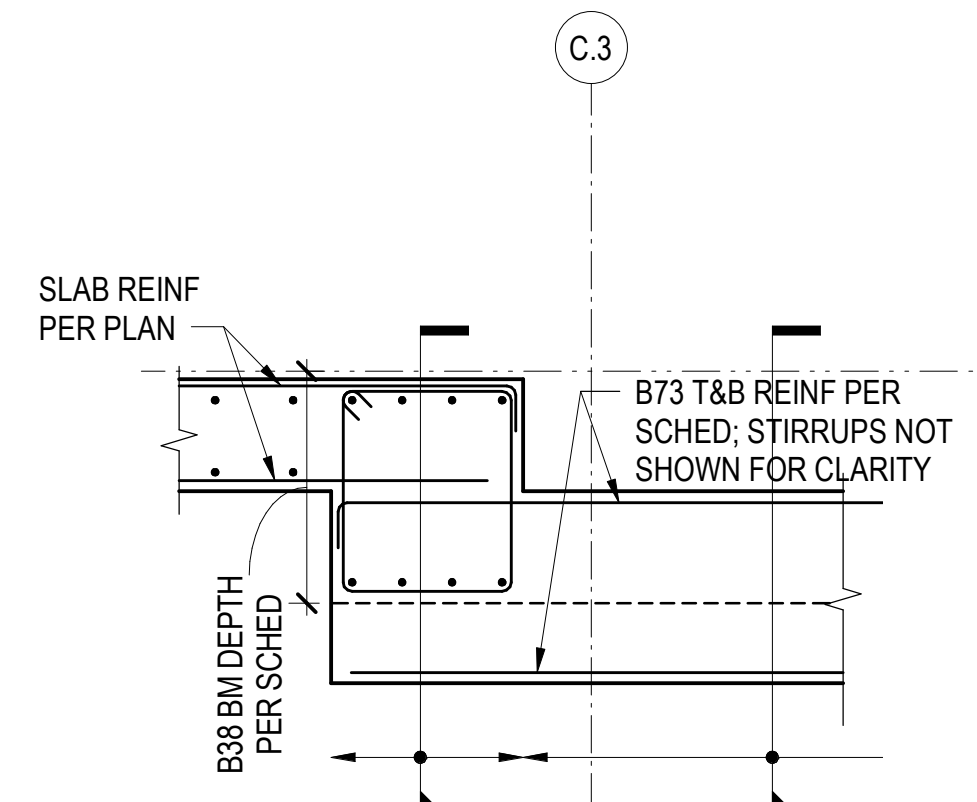
14 SECTION
1/2" = 1'-0"



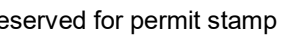
SECTION A



SECTION B



18 SECTION
1/2" = 1'-0"



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