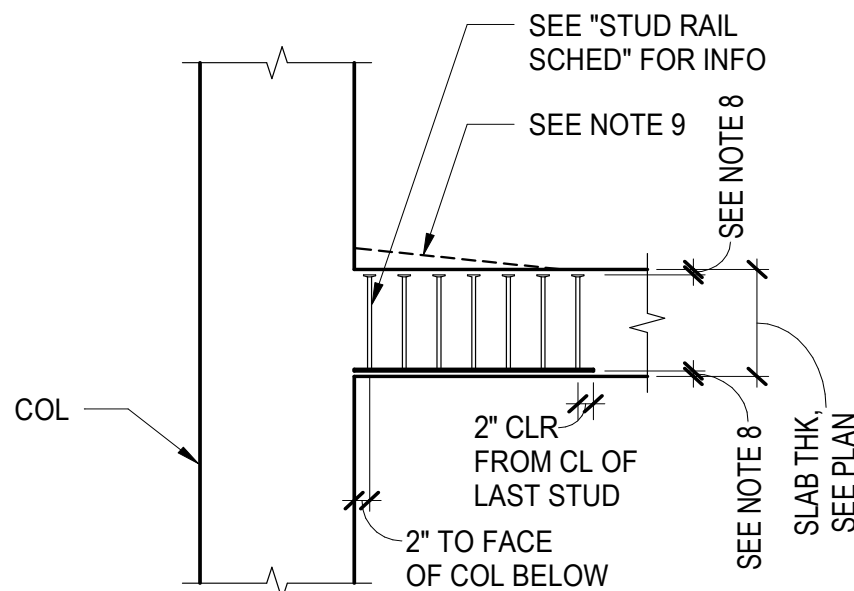
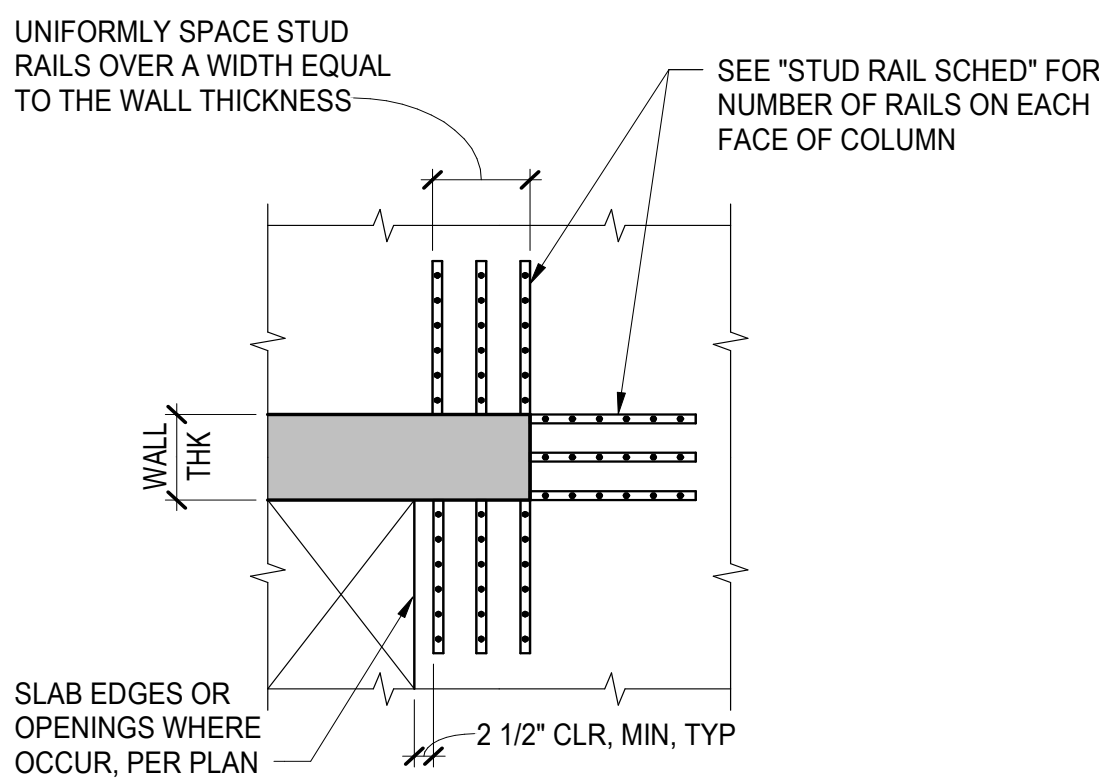


SECTION AT WIDE SHALLOW BEAMS



SECTION

2 TYPICAL STUD RAIL SECTION



7 TYPICAL SLAB SHEAR REINFORCEMENT AT WALLS

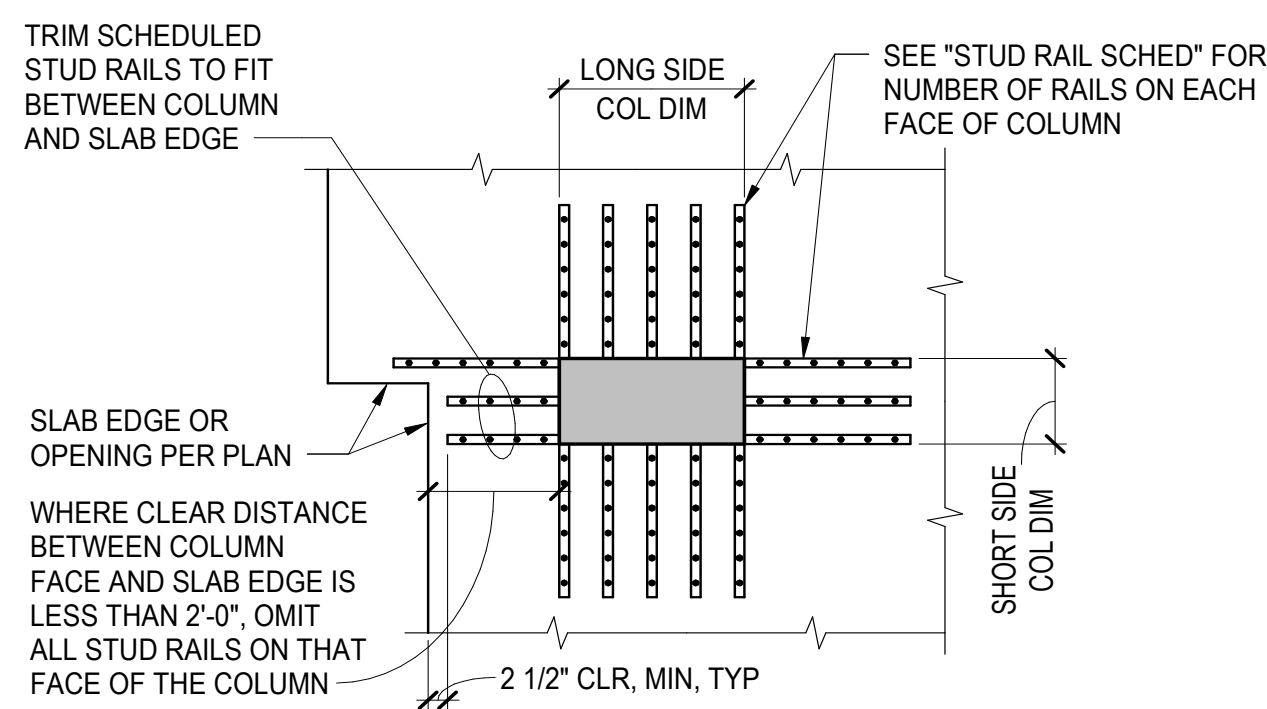
- NOTES:
- SEE PLANS FOR LOCATIONS WHERE SLAB SHEAR REINFORCING IS REQUIRED.
 - SLAB SHEAR REINFORCEMENT SHALL CONFORM TO ASTM A1044.
 - ALL STUD RAILS SHALL BE CLEARLY MARKED WITH BRIGHT PAINT TO INDICATE STUD RAIL TYPE.
 - COORDINATE PLACEMENT WITH POST-TENSIONED TENDONS AND ANCHORAGES. PROVIDE POSITIVE MEANS TO KEEP REINFORCEMENT IN PLACE DURING CONCRETE PLACEMENT.
 - NUMBER OF RAILS PER COLUMN SIDE IS PER "STUD RAIL SCHEDULE."
 - PLACE OUTER STUD RAILS FLUSH WITH CORNERS OF COLUMN UNLESS NOTED OTHERWISE. EQUALLY SPACE RAILS ON EACH FACE OF COLUMN.
 - SEE PLANS FOR REINFORCING THROUGH COLUMNS, TYPICAL.
 - STUD RAIL CLEAR COVER MATCHES ADJACENT SLAB REINFORCING, TOP AND BOTTOM, REFER TO "GENERAL NOTES."
 - 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.
 - WHERE SLAB EDGE IS NOT FLUSH WITH COLUMN FACE, SEE "TYPICAL TRIMMED STUD RAIL" DETAIL.
 - AT BALCONIES OR SLAB DEPRESSIONS, SEE "TYPICAL SLAB STEP STUD RAIL LAYOUT" DETAIL.

8 TYPICAL STUD RAIL NOTES

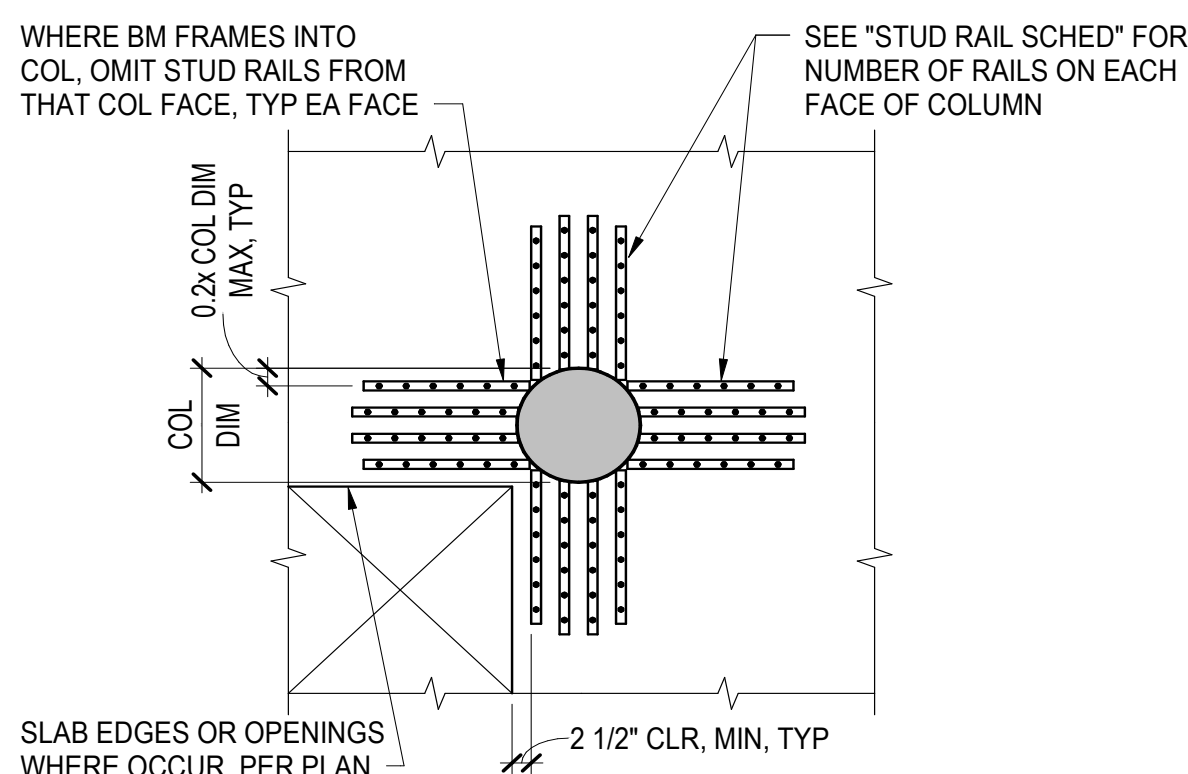
STUD RAIL SCHEDULE								
MARK	COLUMN LONG SIDE NUMBER OF RAILS	COLUMN SHORT SIDE NUMBER OF RAILS	STUD DIAMETER (IN)	STUD SPACING (IN)	NUMBER OF STUDS PER RAIL	POST-TENSIONED SLAB INTEGRITY BARS PER SIDE LONG DIMENSION	POST-TENSIONED SLAB INTEGRITY BARS PER SIDE SHORT DIMENSION	REMARKS
R1	3	3	1/2	3	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:
- SEE TYPICAL SLAB SHEAR REINFORCEMENT DETAILS.

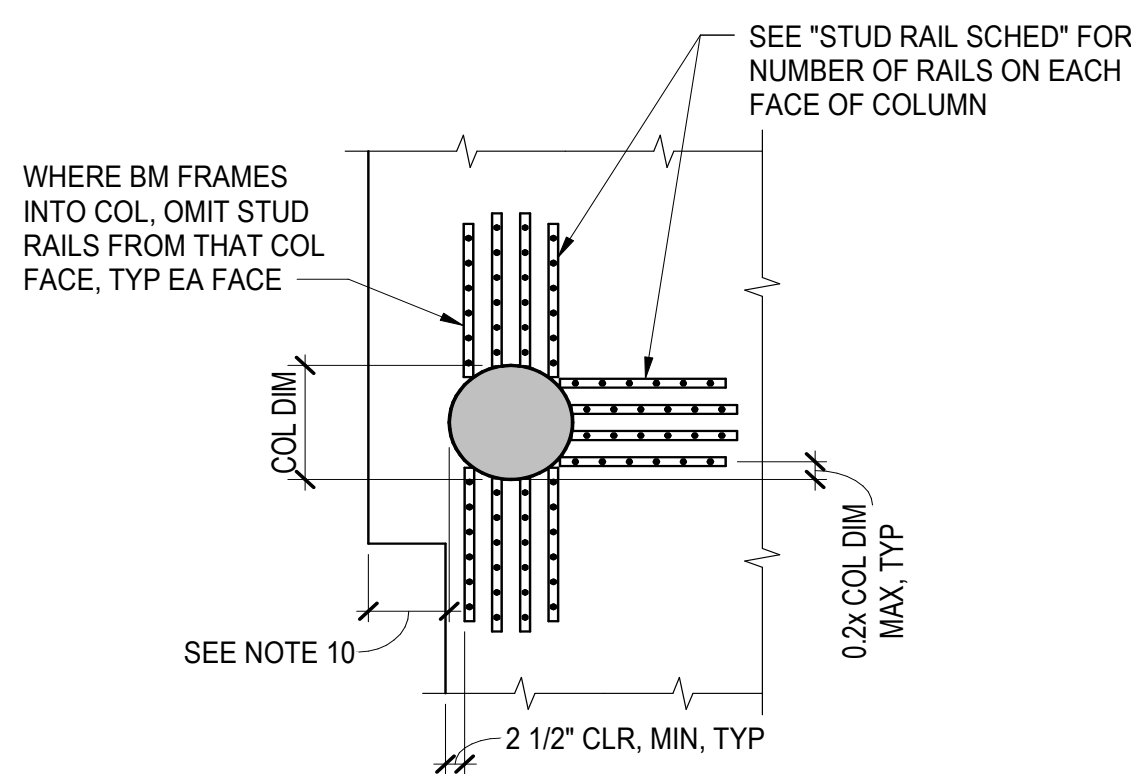
9 STUD RAIL SCHEDULE



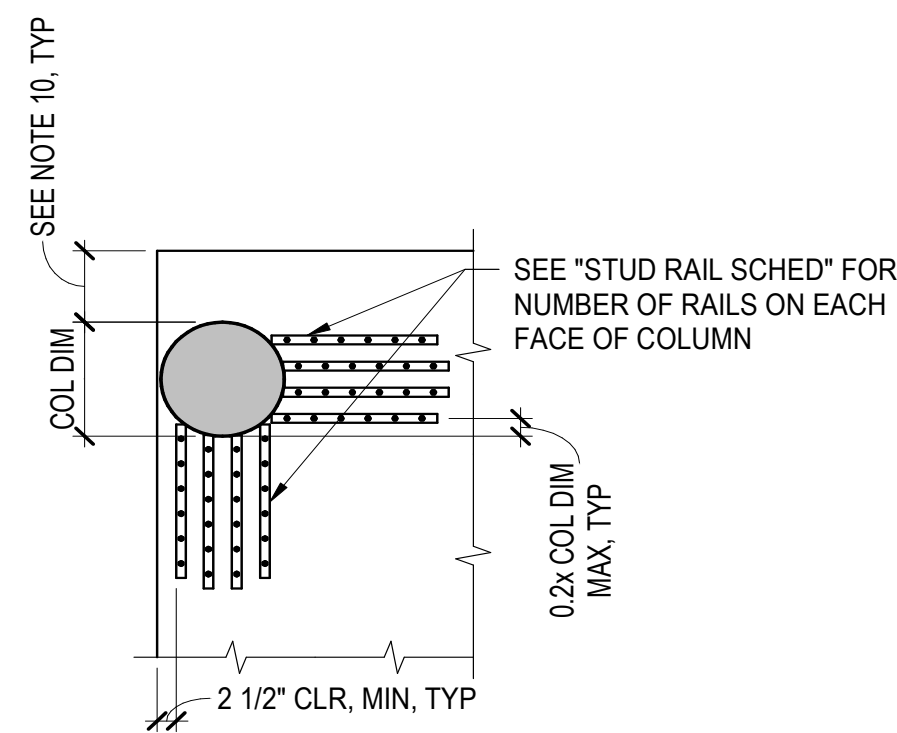
12 TYPICAL TRIMMED STUD RAIL



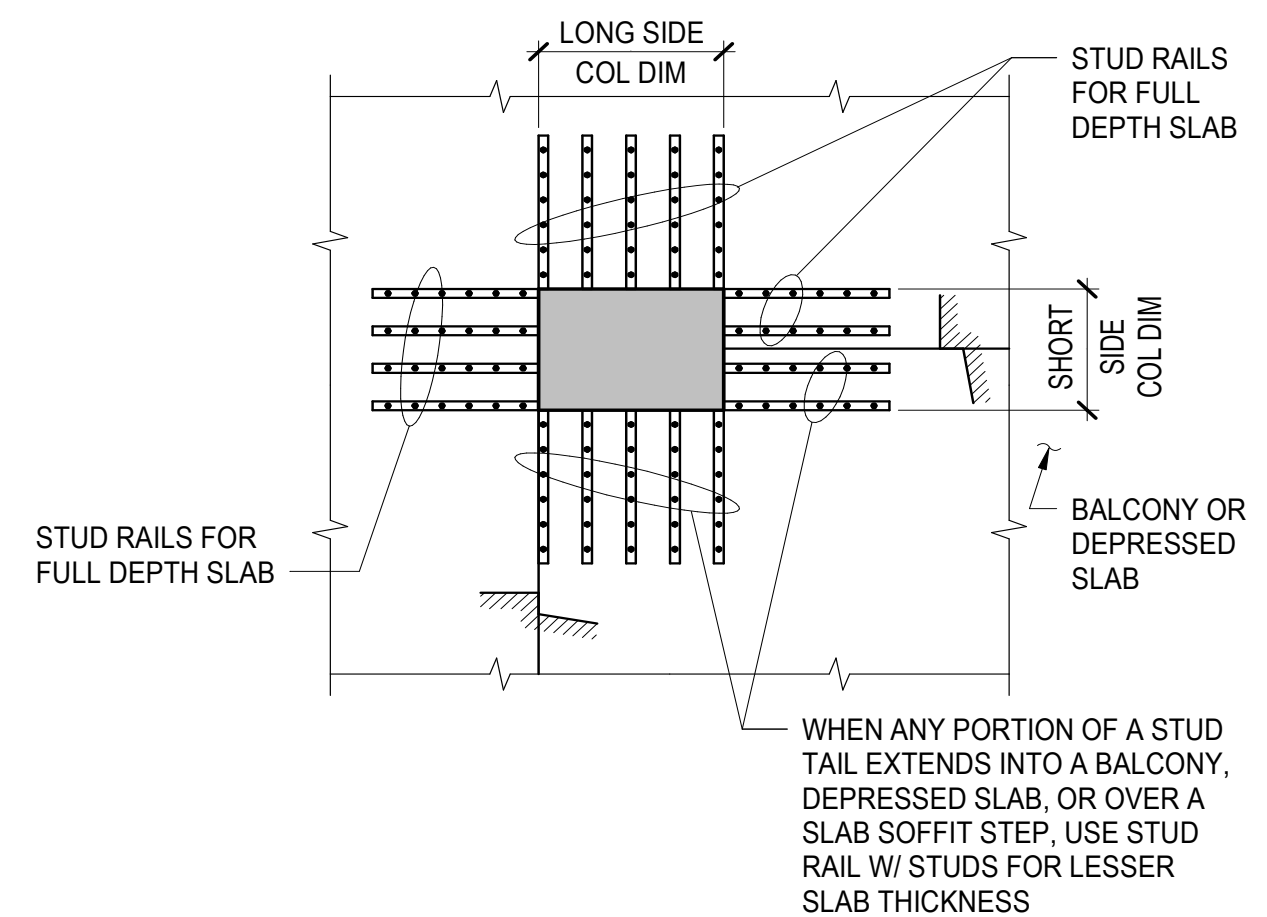
13 TYPICAL SLAB SHEAR REINFORCEMENT AT ROUND INTERIOR COLUMN



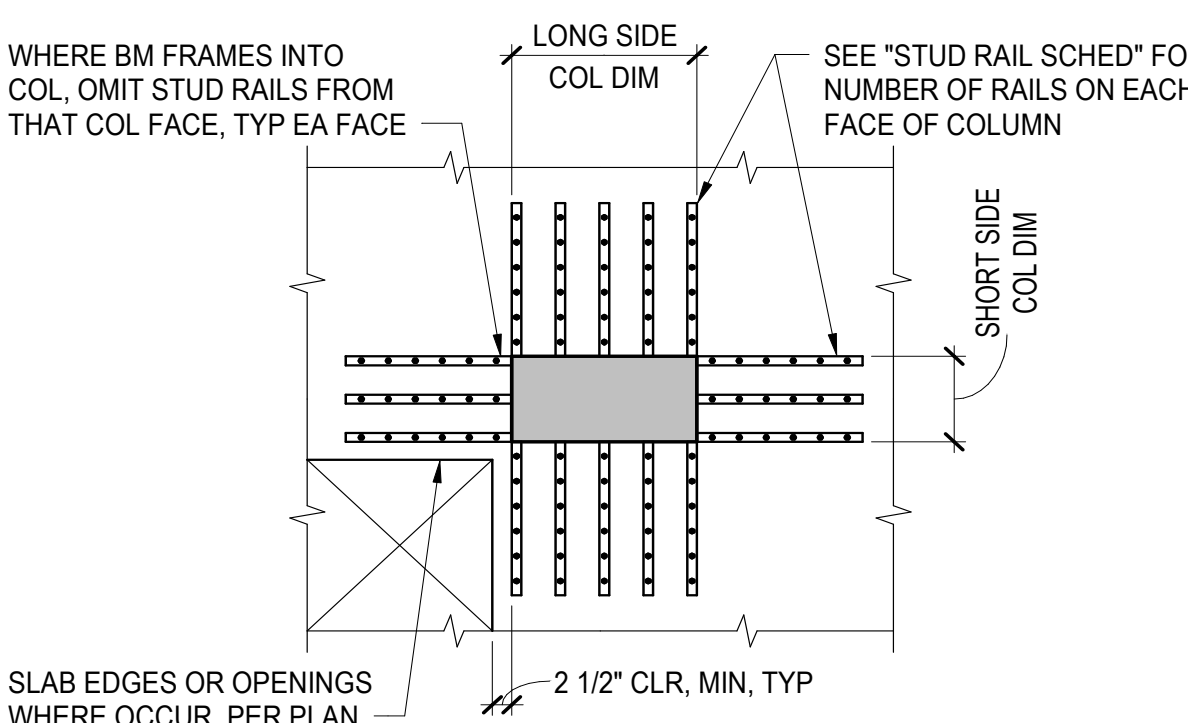
14 TYPICAL SLAB SHEAR REINFORCEMENT AT ROUND EDGE COLUMN



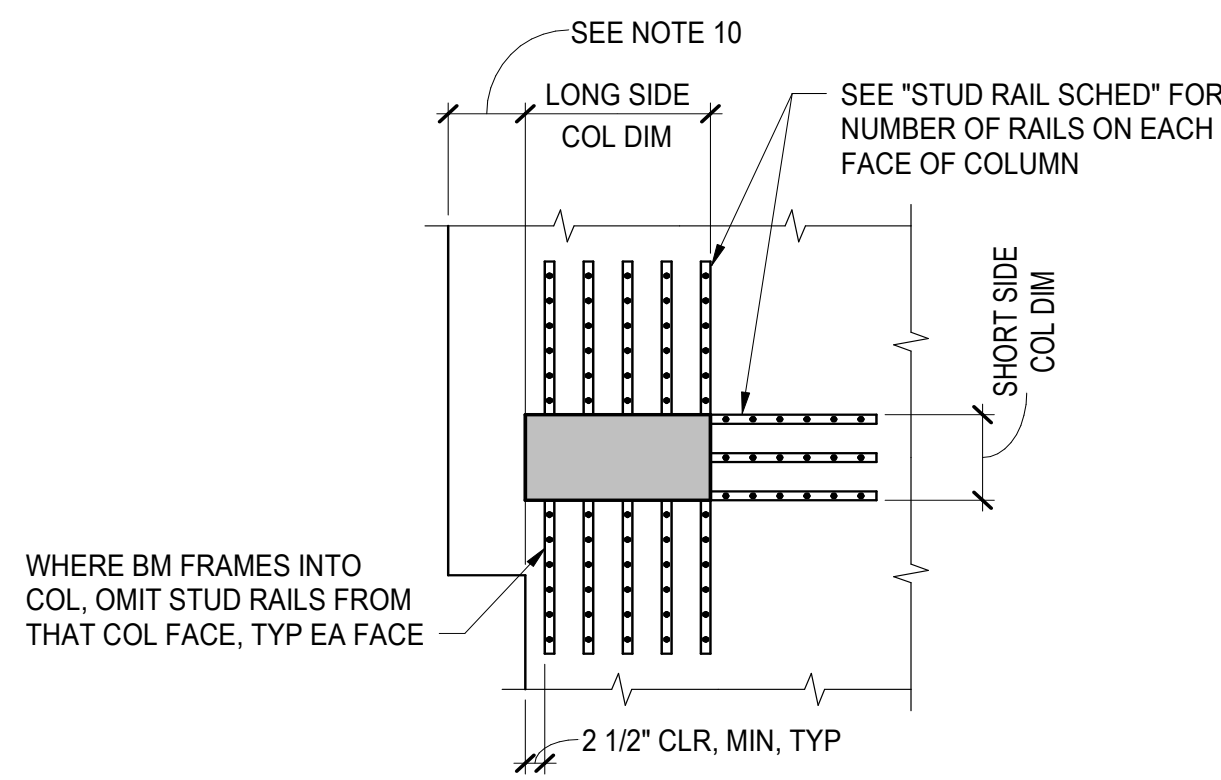
15 TYPICAL SLAB SHEAR REINFORCEMENT AT ROUND CORNER COLUMN



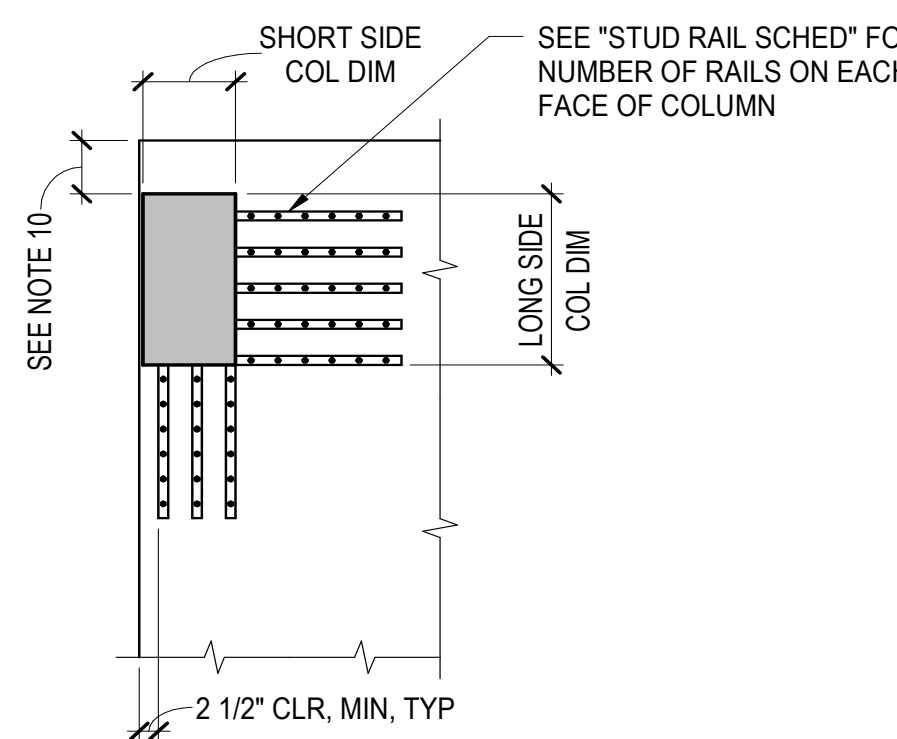
17 TYPICAL SLAB STEP STUD RAIL LAYOUT



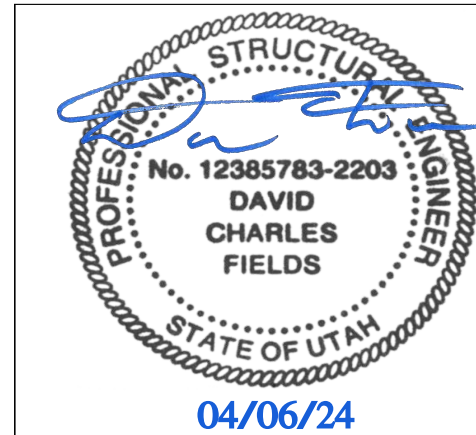
18 TYPICAL SLAB SHEAR REINFORCEMENT AT RECTANGULAR INTERIOR COLUMN



19 TYPICAL SLAB SHEAR REINFORCEMENT RECTANGULAR EDGE COLUMN



20 TYPICAL SLAB SHEAR REINFORCEMENT AT RECTANGULAR CORNER COLUMN



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DEER VALLEY, UTAH

principal architect _____
project manager _____
drawn by _____
checked by _____
job no. 20052
date 04/08/2024

revisions:

2. 04/08/2024 - IFC SET 1 OF 3
1. 11/18/2022 - 95% CD

no. date by

ISSUED FOR CONSTRUCTION
SET 1 OF 3

04/08/2024

TYPICAL STUD RAIL
DETAILS AND
SCHEDULE

S4.06