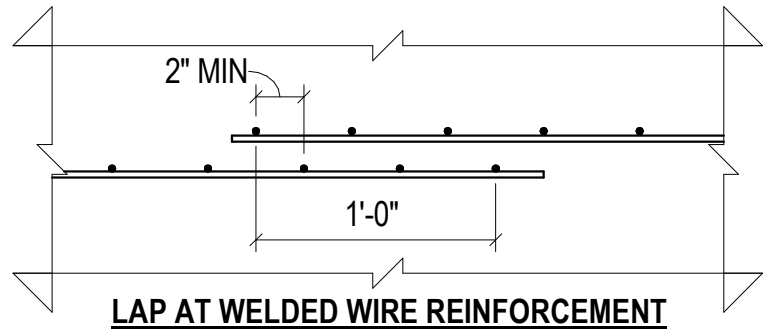
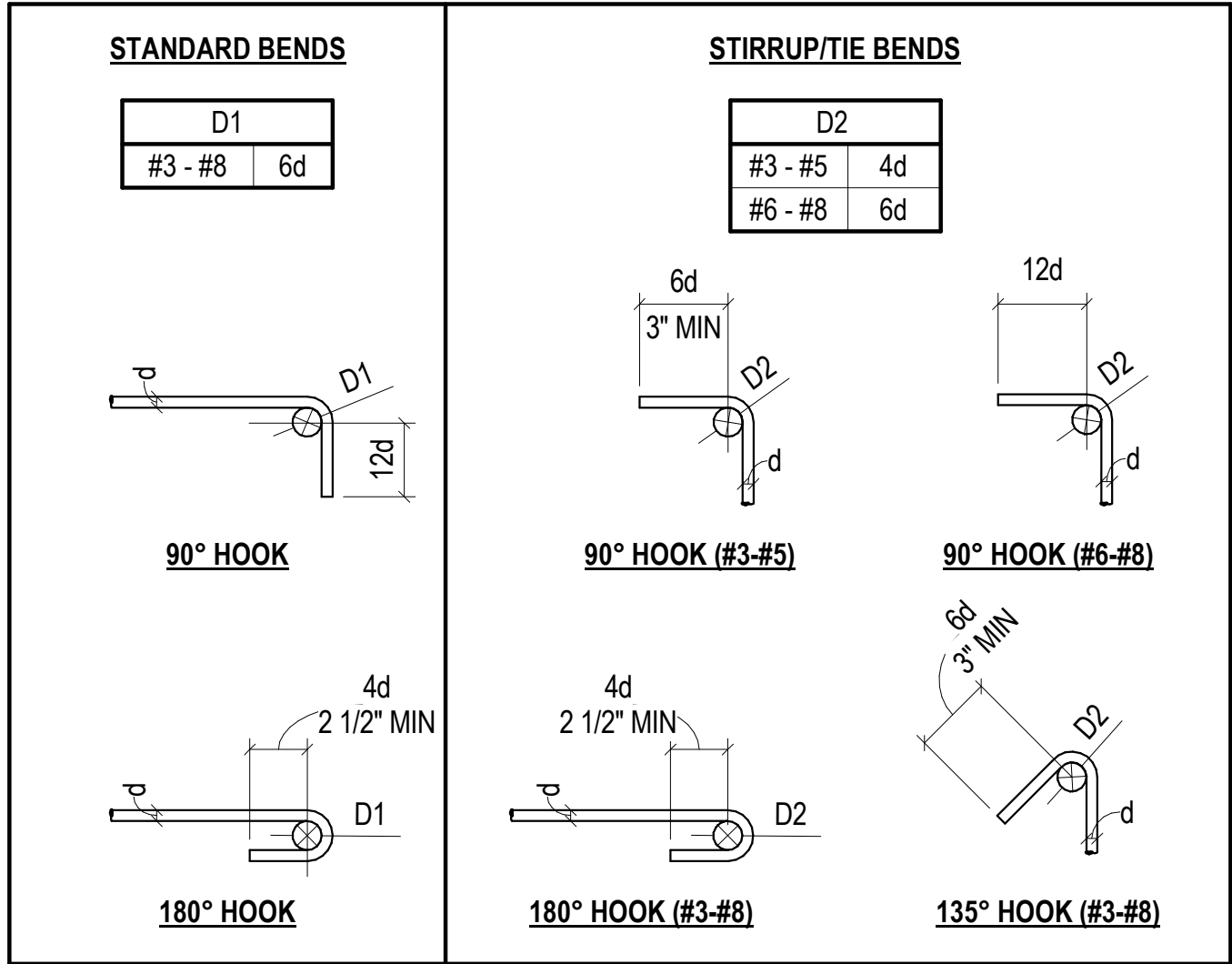


LAP SPLICE & DEVELOPMENT LENGTHS (INCHES)												
F'c=4,000 PSI, Fy=60,000 PSI												
CLEAR COVER				1" 1.5" 2"+		1" 1.5" 2"+		1" 1.5" 2"+				
SPACING	s≥6db	s<6db	LCE	LCS	LTE		LTE TOP & LTS		LTS TOP			
BAR SIZE	LDH											
#3	6	6	8	12	12		12		15			
#4	6	9	10	15	12		15		20			
#5	8	12	12	19	17	15	23	19	29	25		
#6	10	16	15	23	24	18	31	23	40	29		
#7	13	20	17	27	38	29	50	37	65	48	43	



LAP AT WELDED WIRE REINFORCEMENT



NOTES:
1. ALL BENDS SHALL BE MADE COLD

MAX OFFSET BEND

TYPICAL REINFORCING BENDS

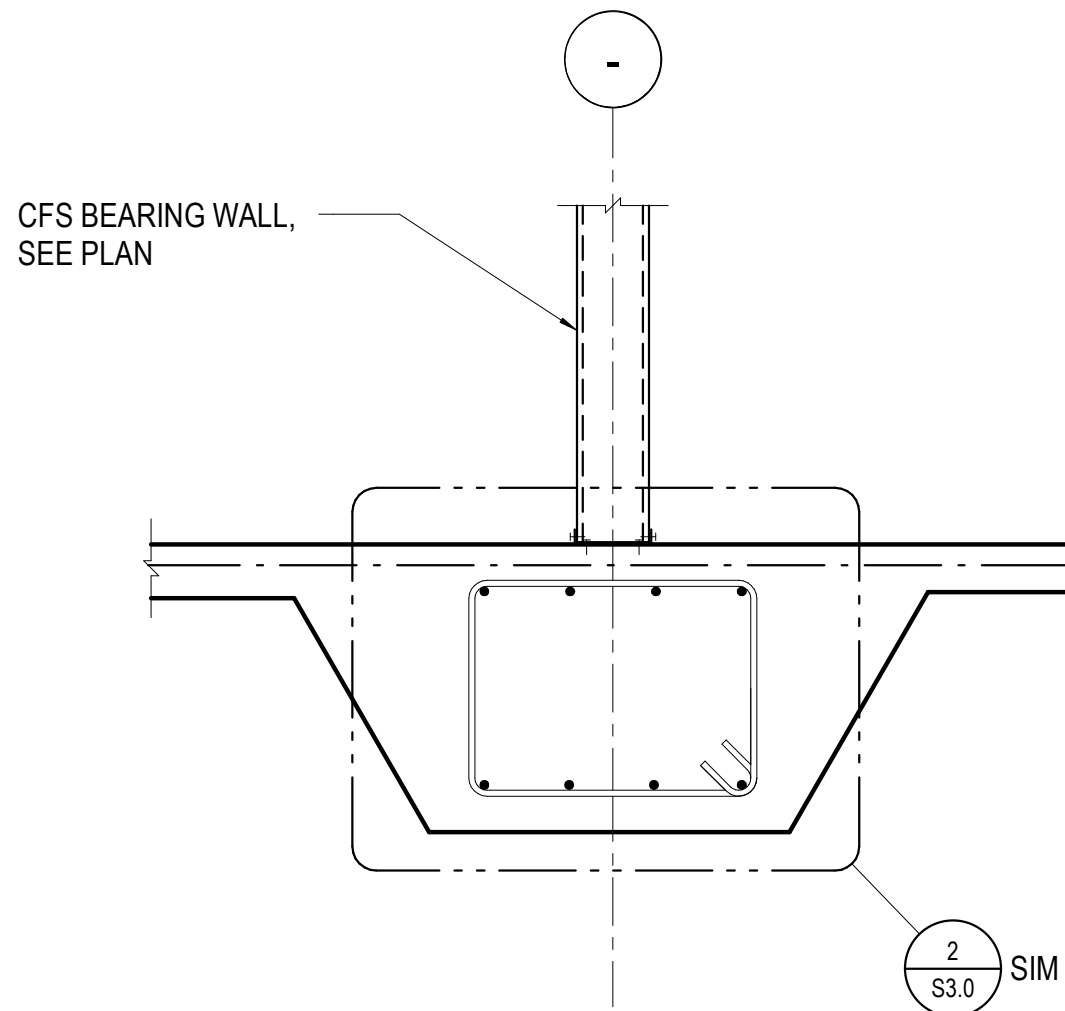
REBAR COVER TABLE	
CASE	COVER (IN)
CONCRETE PLACED AGAINST EARTH	3
CONCRETE PLACED IN FORMS, EXPOSED TO WEATHER OR EARTH	2
SLABS OR WALLS NOT EXPOSED TO EARTH OR WEATHER	1

- GENERAL NOTES:**
- LENGTHS SPECIFICALLY DETAILED ON DRAWINGS SHALL GOVERN IN LIEU OF LAP LENGTHS SCHEDULED
 - ABBREVIATIONS:
 - 'LCE' = COMPRESSION EMBEDMENT LENGTH
 - 'LCS' = COMPRESSION LAP SPLICE LENGTH
 - 'LDH' = HOOK DEVELOPMENT LENGTH
 - 'LTE' = TENSION EMBEDMENT LENGTH
 - 'LTS' = TENSION LAP SPLICE LENGTH
 - 'TOP' BARS ARE HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12 IN OF FRESH CONCRETE IS CAST BELOW THE BAR
 - CLEAR COVER IS DEFINED FROM THE NEAREST FACE OF CONCRETE TO THE FACE OF BAR BEING DEVELOPED OR SPLICED
 - UNLESS NOTED OTHERWISE, ALL HOOK BARS SHALL EXTEND TO THE FAR FACE LESS 2" COVER
 - IF A NOTE OR DETAIL CALLS FOR A BAR TO BE EMBEDDED Ld (DEVELOPMENT LENGTH) INTO CONCRETE, THIS SHALL CORRESPOND TO A 'LTE' LENGTH
 - IF A NOTE OR DETAIL REQUIRES A BAR TO HAVE A DEVELOPMENT OR LAP LENGTH BUT INSUFFICIENT DIMENSION IS AVAILABLE FOR THE LENGTH SCHEDULED, EXTEND BAR TO FAR FACE OF CONCRETE LESS 2" COVER AND HOOK
 - CLEAR SPACING BETWEEN VERTICAL BARS IN COLUMNS, PILASTERS, AND WALL BOUNDARY ELEMENTS SHALL NOT BE LESS THAN THE LESSER OF 1.5 INCHES, 1.5xBAR DIAMETER, AND 1.33xAGGREGATE SIZE

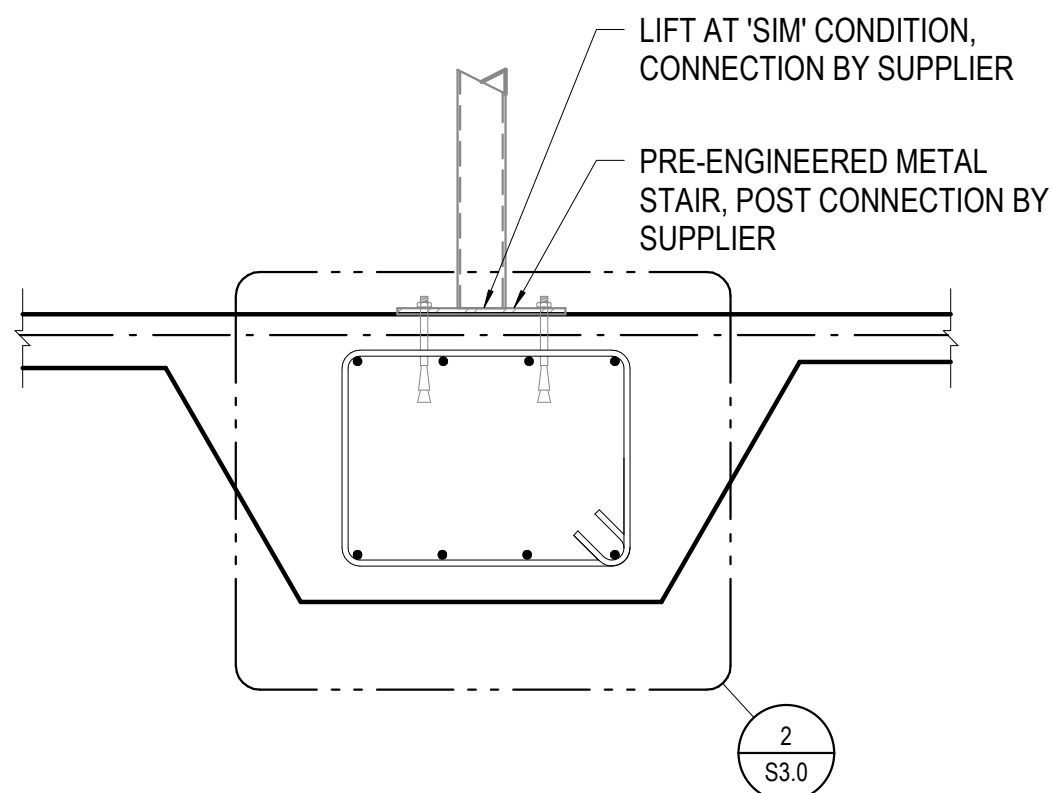
- ADJUSTMENTS TO GIVEN LENGTHS:**
- IF REINFORCING IS SPECIFIED AS EPOXY COATED, INCREASE SCHEDULED LENGTHS BY 50%
 - IF LIGHTWEIGHT AGGREGATE IS SPECIFIED, INCREASE SCHEDULED LAP BY LENGTHS 33%
 - SCHEDULED LENGTHS ASSUME:
 - CLEAR COVER IS AS INDICATED IN SCHEDULE, BUT NOT LESS THAN 1 BAR DIAMETER OR REQUIRED COVER FROM 'REBAR COVER TABLE'
 - CLEAR SPACING BETWEEN BARS IS GREATER THAN 2xCLEAR COVER
 - IF CONDITION B IS NOT MET FOR A GIVEN BAR, RECALCULATE LENGTH USING A COVER EQUAL TO ONE-HALF OF THE CLEAR BAR SPACING

- LAP SPLICE NOTES:**
- ALL SPLICES SHALL BE WIRED IN CONTACT
 - ALL SPLICES ARE 'LTS' UNLESS NOTED OTHERWISE
 - SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZED BARS
 - COMPRESSION LAP LENGTH SHALL NOT BE LESS THAN 'LCE' OF THE LARGER BAR
 - TENSION LAP LENGTH SHALL NOT BE LESS THAN 'LTE' OF THE LARGER BAR
 - BUNDLED BAR SPLICES:
 - INDIVIDUAL BAR SPLICES WITHIN THE BUNDLE SHALL BE STAGGERED BY 40xBAR DIAMETER
 - INCREASE LAP LENGTH 20% FOR A 3 BAR BUNDLE
 - INCREASE LAP LENGTH 33% FOR A 4 BAR BUNDLE
 - TOP AND BOTTOM BEAM SPLICES SHALL BE STACKED VERTICALLY

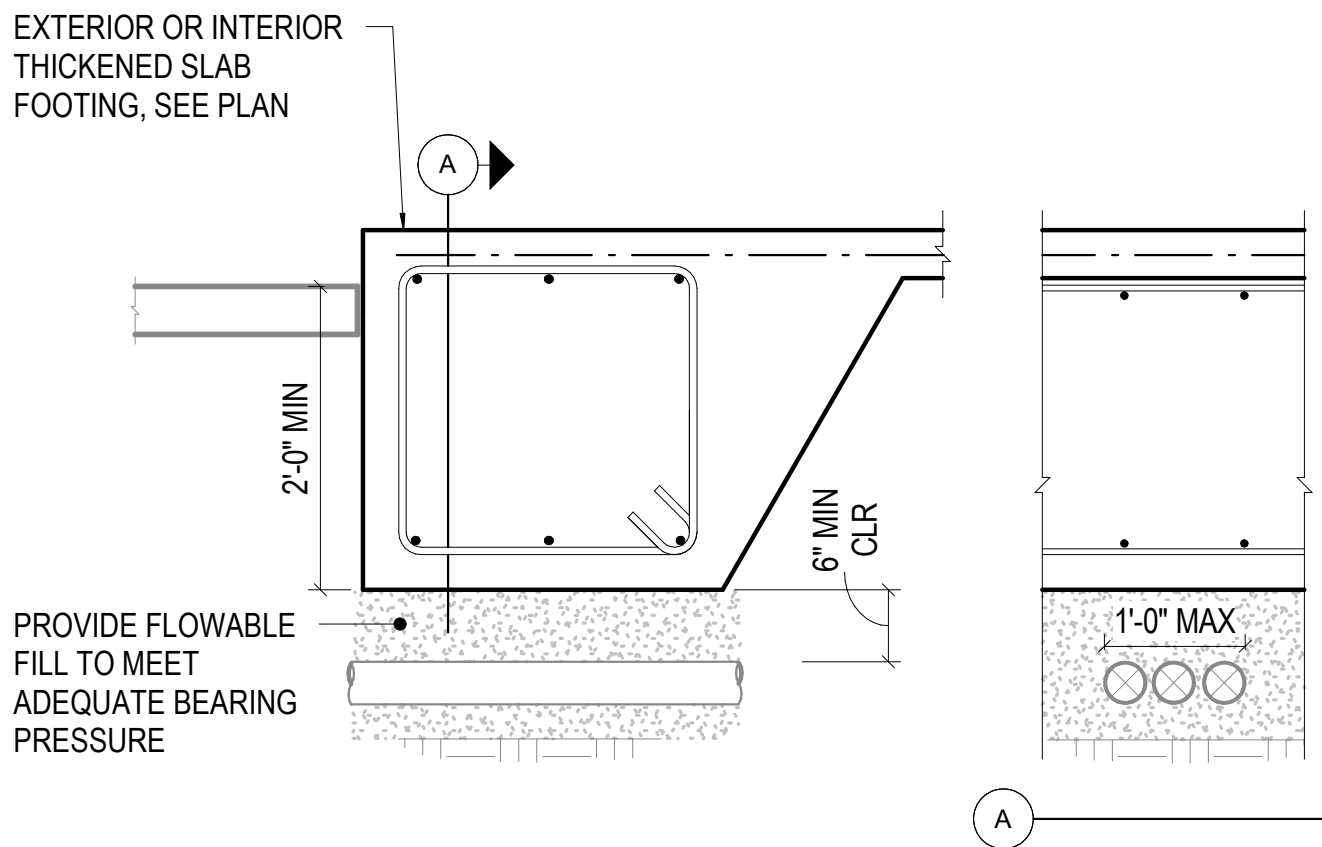
- HOOK EMBEDMENT NOTES:**
- SCHEDULED HOOK EMBEDMENT LENGTHS ASSUME:
 - SIDE COVER IS 2 1/2 INCHES OR GREATER
 - COVER BEYOND IS 2 INCHES OR GREATER
 - IF EITHER A OR B IS NOT MET, INCREASE LENGTHS BY 42%
 - IF REINFORCING IS SPECIFIED AS EPOXY COATED, INCREASE SCHEDULED LENGTHS BY 20%



4 3/4" = 1'-0" INTERIOR CFS BEARING WALL AT SLAB POUR DOWN W/ FOOTING

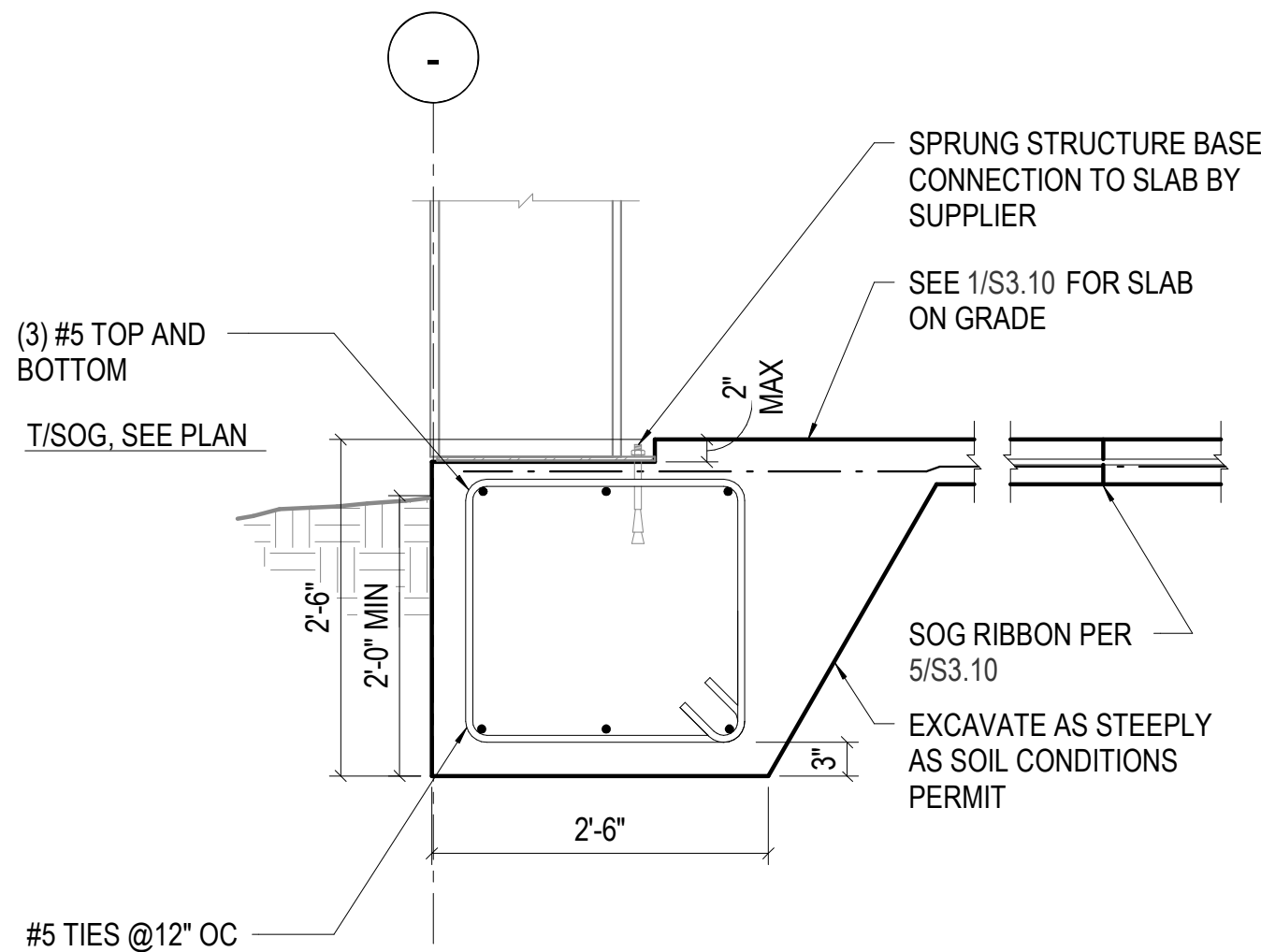


5 3/4" = 1'-0" TYP COLUMN STRIP FOOTING

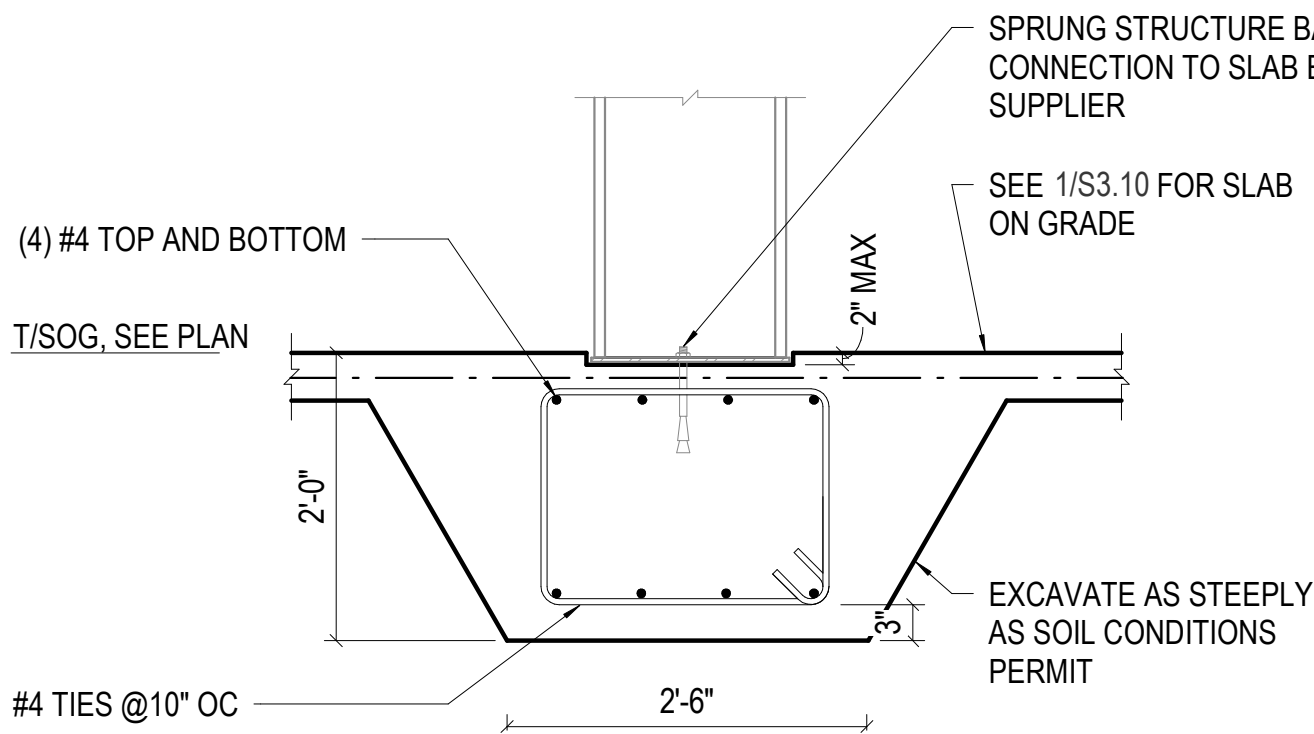


- NOTES:**
- SEE 1/S3.0 AND 2/S3.0 FOR ADDITIONAL STRIP FOOTING INFORMATION.
 - SUBMIT RFI WHERE PENETRATION DOES NOT MEET REQUIREMENTS.

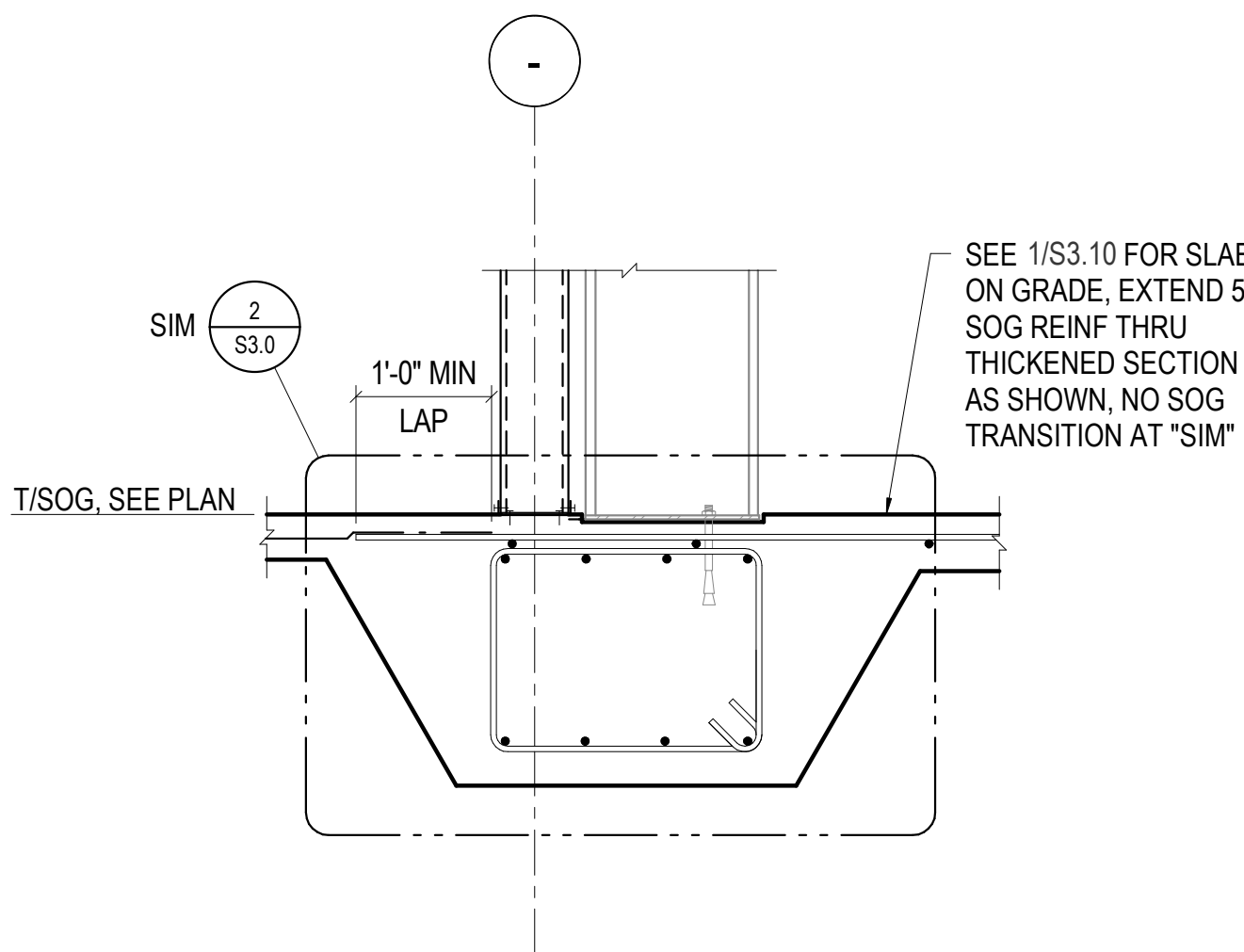
6 3/4" = 1'-0" TYP UTILITY BELOW STRIP FOOTING



1 3/4" = 1'-0" EXTERIOR CONTINUOUS FOOTING

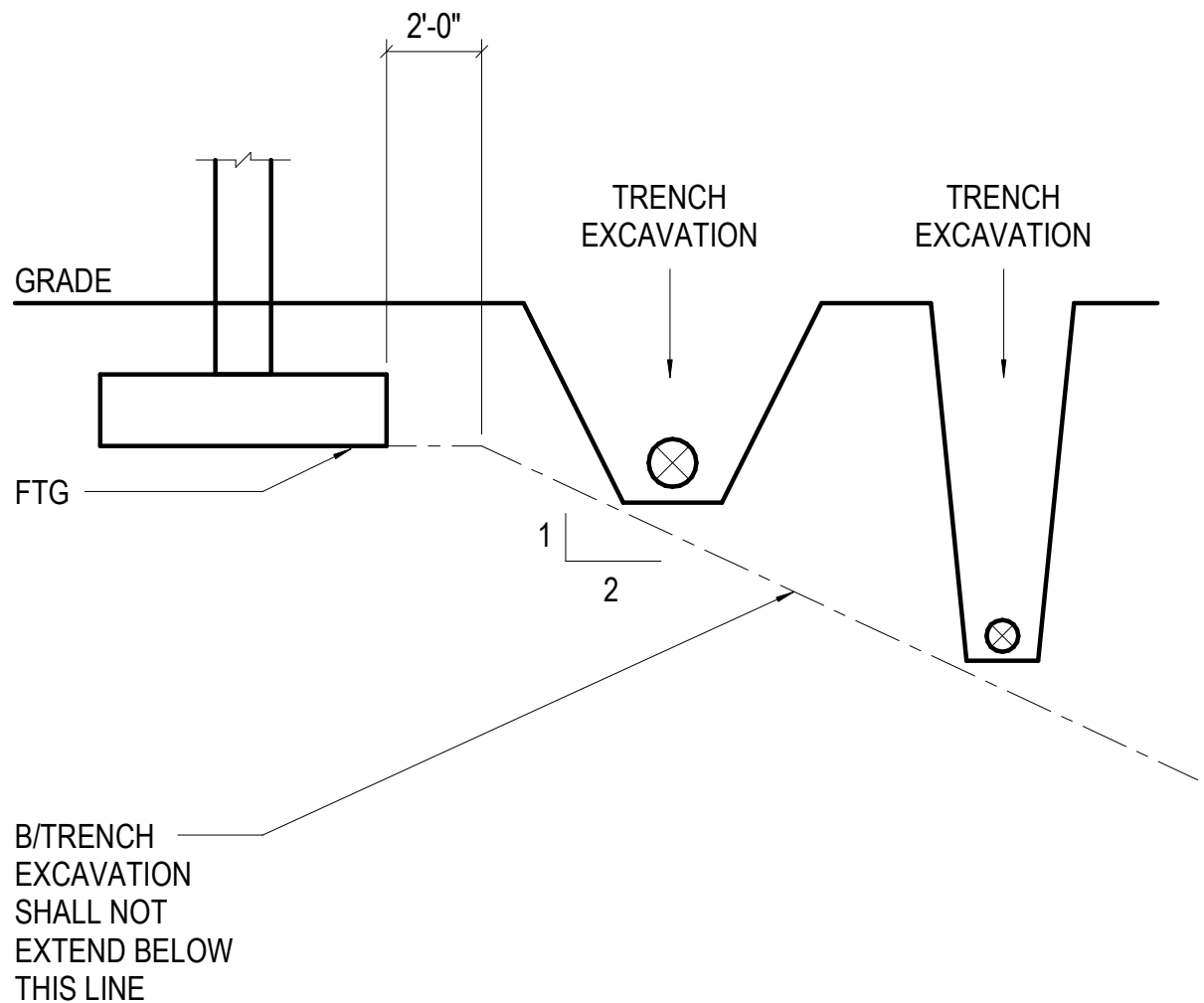


2 3/4" = 1'-0" INTERIOR SPRUNG STRUCTURE FOOTING



3 3/4" = 1'-0" INTERIOR CFS BEARING WALL AT SPRUNG WALL

9 1/4" = 1'-0" TYP EXCAVATION AT FTG



DEM X
ARCHITECTURE
104 N EAST AVENUE
FAYETTEVILLE, ARKANSAS 72701 | 479.986.4871

Owner
ROGERS FACILITIES DEPARTMENT
N. ARKANSAS ST, ROGERS, ARKANSAS, 72756
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FOUNDATION
DETAILS

S3.0

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