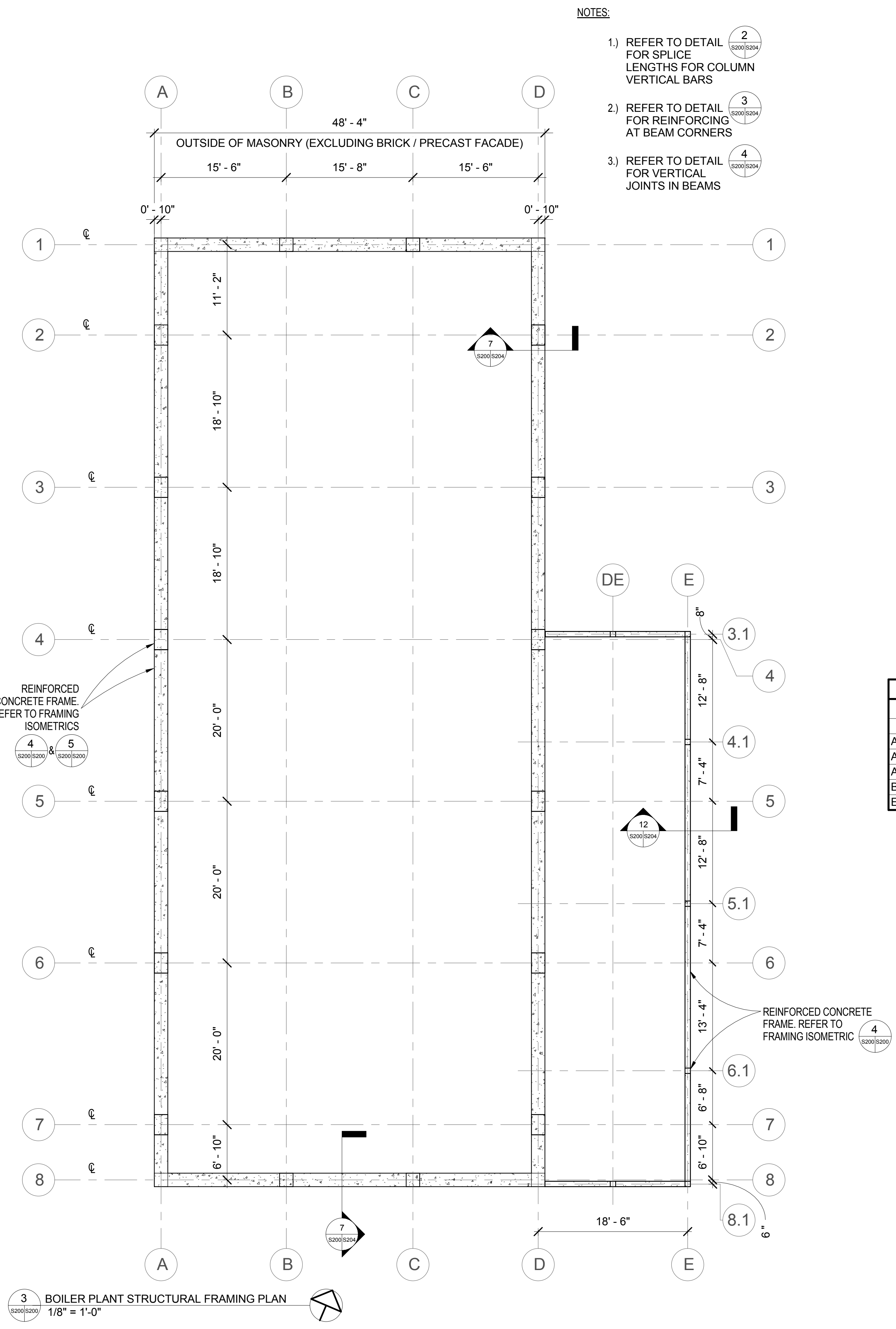


three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot



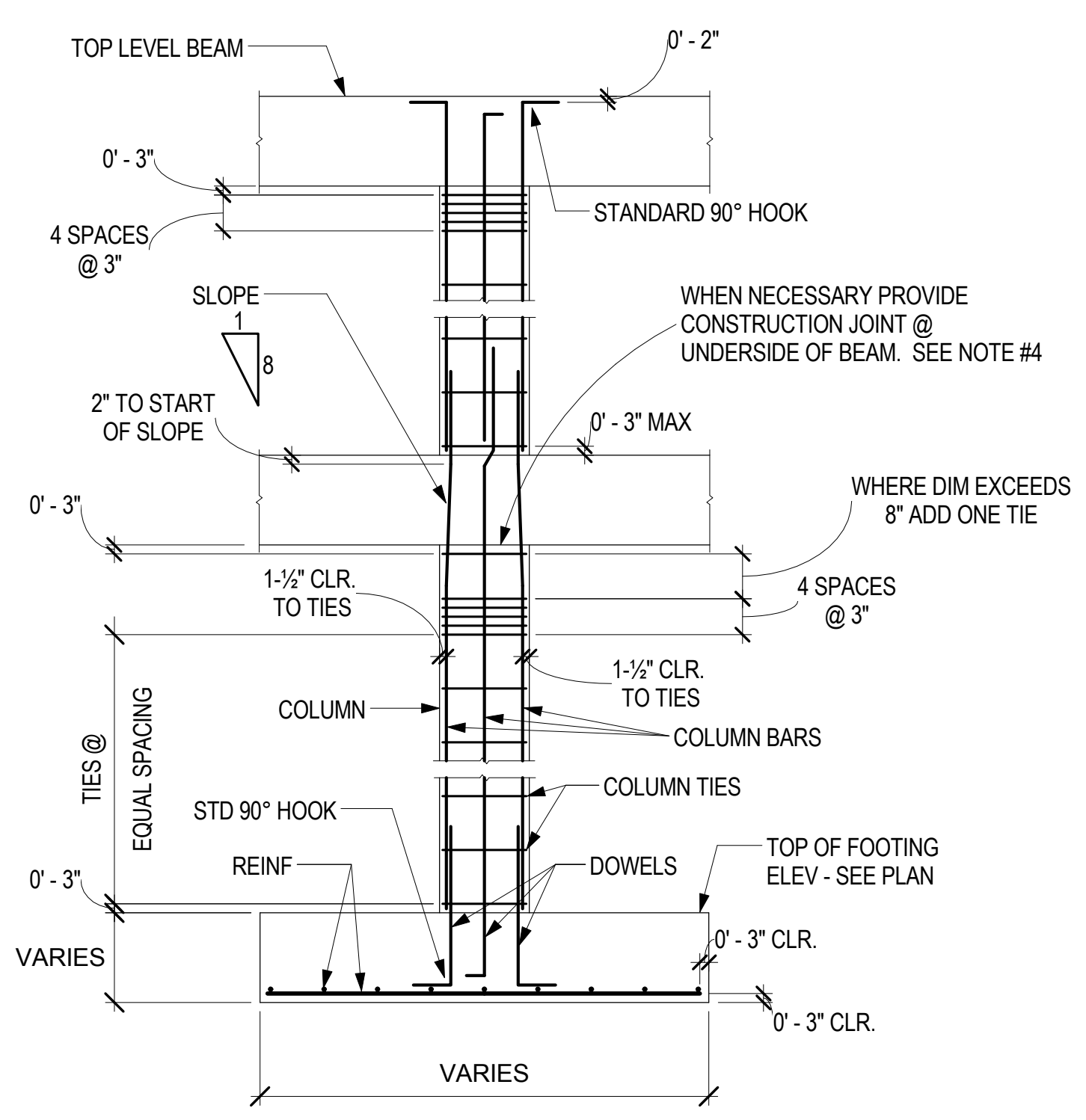
- NOTES:
- 1) REFER TO DETAIL FOR SPLICE LENGTHS FOR COLUMN VERTICAL BARS
 - 2) REFER TO DETAIL FOR REINFORCING AT BEAM CORNERS
 - 3) REFER TO DETAIL FOR VERTICAL JOINTS IN BEAMS

Structural Beam Schedule					
Beam Location	Count	Size	Reinforcing (Bottom - Top - Sides)	Stirrups (Size - Spacing)	End
B-1	1	20" x 30"	3#5 - 3#5 - 2#5	#5; 1@3'; 6@7"	EE
B-2	1	20" x 30"	3#5 - 3#5 - 2#5	#4; 1@3'; 5@9"	EE
B-3	1	20" x 30"	4#5 - 4#5 - 2#5	#5; 1@3'; 10@8"	EE
B-4	1	20" x 30"	3#5 - 3#5 - 2#5	#4; 1@3'; 9@10"	EE
B-5	1	20" x 30"	4#5 - 4#5 - 2#5	#4; 1@3'; 8@11"	EE
B-6, B-18, B-20	3	20" x 30"	3#5 - 3#5 - 2#5	#4; 1@3'; 8@11"	EE
B-7, B-19	2	20" x 30"	4#5 - 4#5 - 2#5	#4; 1@3'; 9@11"	EE
B-8, B-22, B-32, B-38	4	20" x 30"	3#5 - 3#5 - 2#5	--	--
B-9	1	20" x 30"	4#5 - 4#5 - 2#5	#4; 1@3'; 11@9"	EE
B-10	1	20" x 30"	3#5 - 3#5 - 2#5	#4; 1@3'; 9@11"	EE
B-11	1	20" x 30"	4#5 - 4#5 - 2#5	#5; 1@3'; 11@8"	EE
B-12	1	20" x 30"	3#5 - 3#5 - 2#5	#4; 1@3'; 11@9"	EE
B-13	1	20" x 30"	3#5 - 3#5 - 2#5	#5; 1@3'; 3@7"	EE
B-14	1	20" x 30"	3#5 - 3#5 - 2#5	#4; 1@3'; 2@9"	EE
B-15	1	20" x 30"	3#5 - 3#5 - 2#5	#5; 1@3'; 5@9"	EE
B-16	1	20" x 30"	3#5 - 3#5 - 2#5	#4; 1@3'; 4@11"	EE
B-17	1	20" x 30"	4#5 - 4#5 - 2#5	#4; 1@3'; 13@7"	EE
B-21, B-23	2	20" x 30"	4#7 - 4#7 - 2#7	#4; 1@3'; 10@10"	EE
B-24	1	20" x 30"	3#5 - 3#5 - 2#5	#4 - 1@3'; 9@11"	EE
B-25	1	20" x 30"	4#7 - 4#7 - 2#7	#4; 1@3'; 15@6"	EE
B-26	1	20" x 30"	3#5 - 3#5 - 2#5	#4; 1@3'; 10@10"	EE
B-27	1	20" x 30"	4#5 - 4#5 - 2#5	#5; 1@3'; 2@8"	EE
B-28	1	20" x 30"	3#5 - 3#5 - 2#5	#4; 1@3'; 2@10"	EE
B-29, B-35	2	20" x 30"	4#7 - 4#7 - 2#7	#4; 1@3'; 7@11"	EE
B-30	1	20" x 30"	4#5 - 4#5 - 2#5	#4; 1@3'; 7@11"	EE
B-31, B-37	2	20" x 30"	4#6 - 4#6 - 2#6	--	--
B-33	1	20" x 30"	4#8 - 4#8 - 2#8	#4; 1@3'; 7@11"	EE
B-34	1	20" x 30"	3#6 - 3#6 - 2#6	#4; 1@3'; 7@11"	EE
B-36	1	20" x 30"	4#5 - 4#5 - 2#5	--	--
B-39	1	20" x 30"	3#8 - 3#8 - 2#8	#4; 1@3'; 7@11"	EE
B-40	1	20" x 30"	3#6 - 3#6 - 2#6	--	--
B-41 - B-46	6	8" x 24"	2#5 - 2#5 - 2#5	#4; 1@3'; 3@6"	EE

** REFER TO BEAM BAR BENDING & PLACING DETAIL & BEAM BAR LAYOUT DETAIL

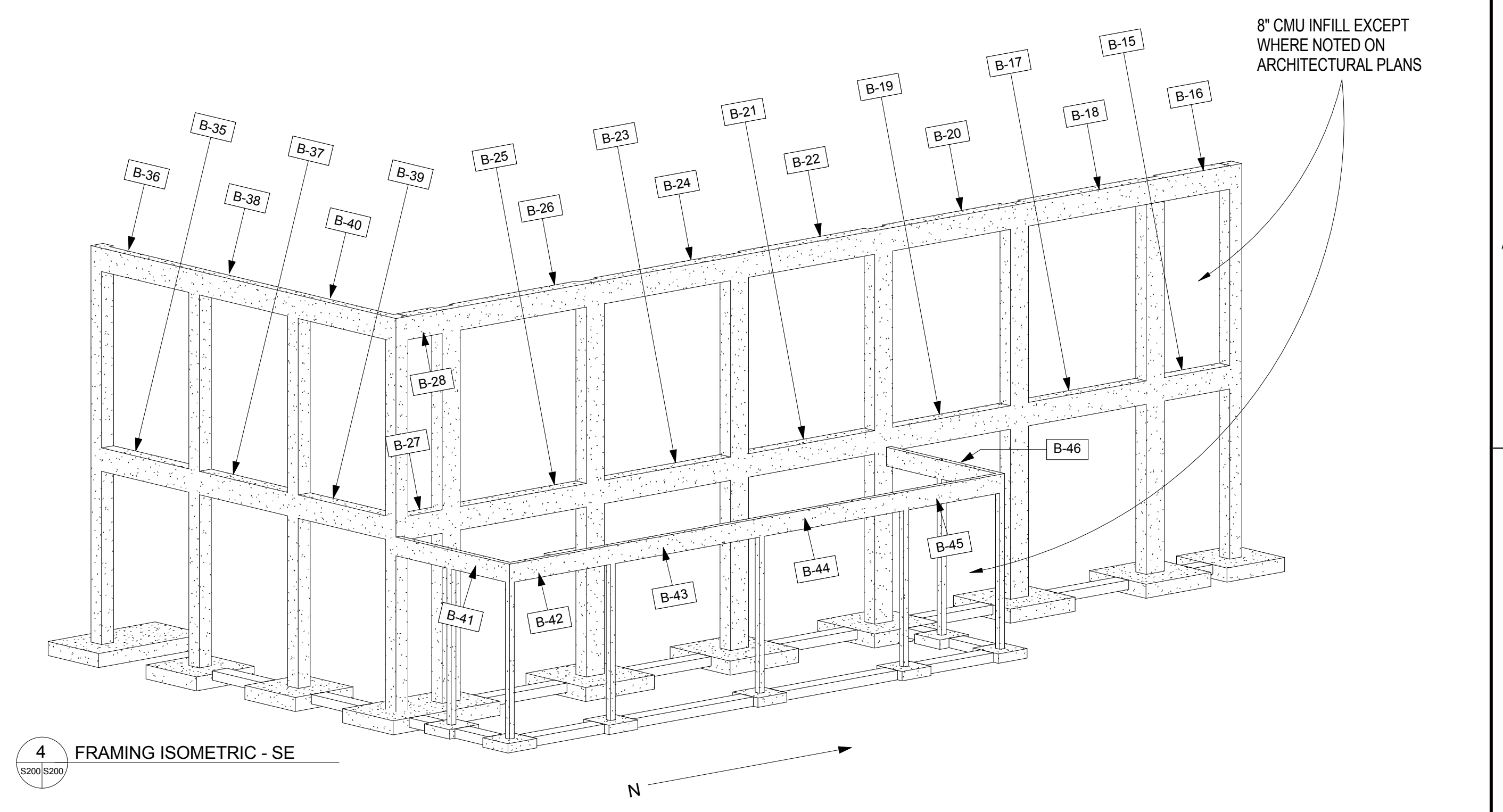
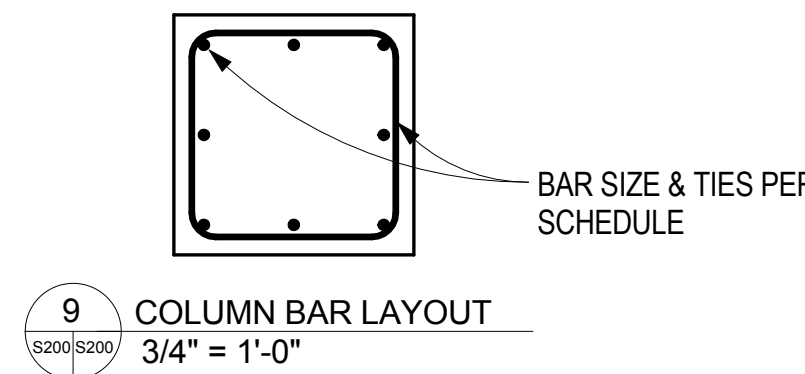
Structural Column Schedule (See Foundation Plan for Column Depths)				
Location	Count	Size	Reinforcement	Dowels
A1, A8, B8, D1, D8	5	20" x 20"	8#7 W/ #4 TIES @ 14" O.C.	8#7
A2, A3, A4, A5, A6, A7, D2, D3, D4, D5, D6, D7	12	20" x 30"	8#8 W/ #4 TIES @ 10" O.C.	8#8
A4 - BELOW GRADE	1	26" x 30"	8#8 W/ #4 TIES @ 10" O.C.	8#8
B1, C1, C8	3	20" x 20"	8#8 W/ #4 TIES @ 10" O.C.	8#8
E3.1, E4.1, E5.1, E6.1, E8.1, DE3.1, DE8.1	7	8" x 8"	4#6 W/ #4 TIES @ 8"	4#6

* REFER TO COLUMN BENDING DETAIL & COLUMN BAR LAYOUT DETAIL

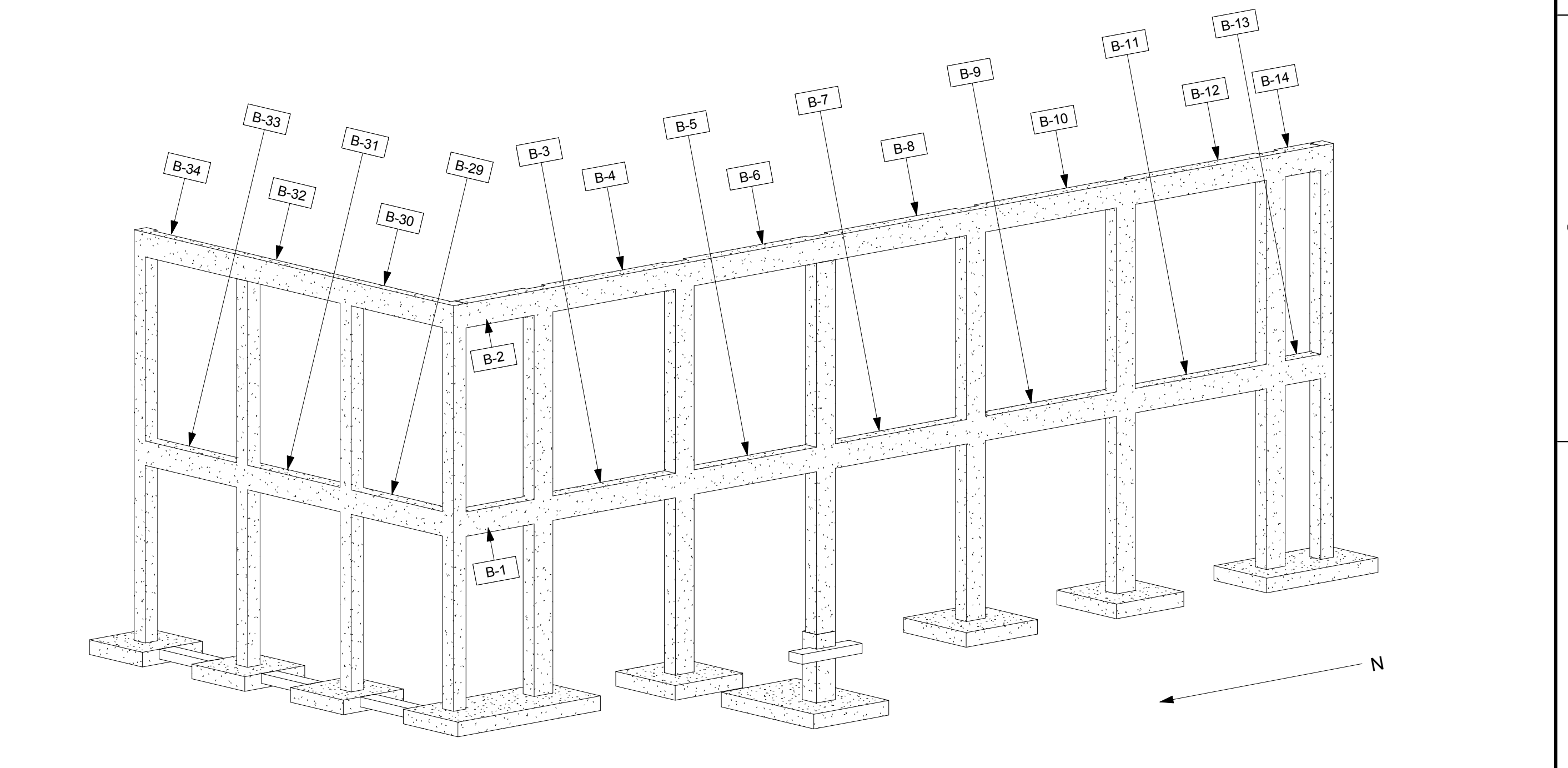


6 COLUMN BAR BENDING DETAIL 1/4" = 1'-0"

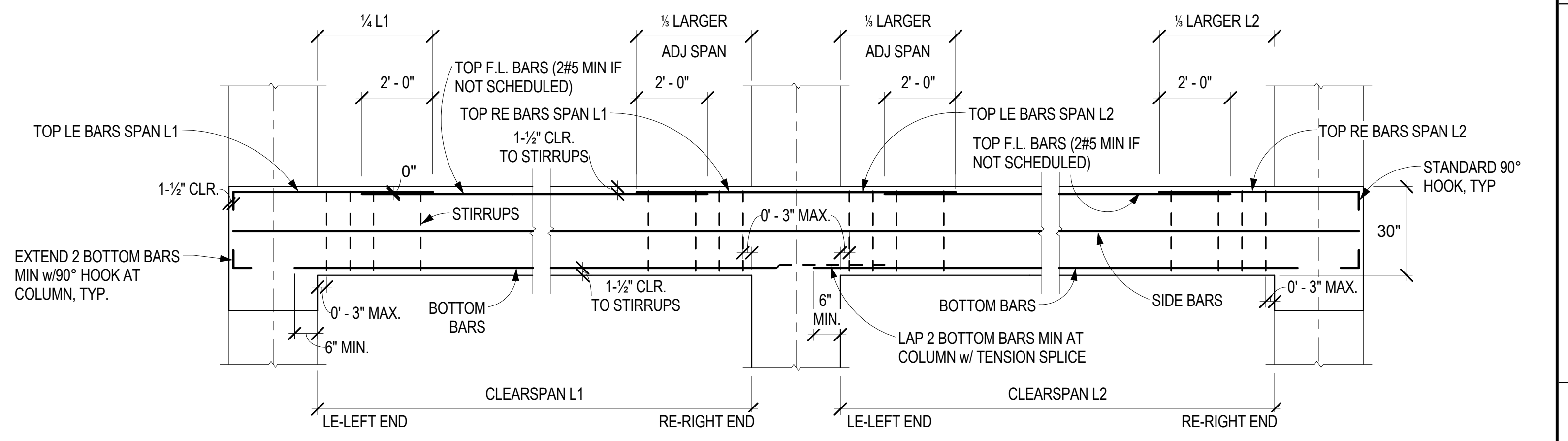
NOTE #4:
PROVIDE A BEDDING LAYER OF MORTAR OF THE SAME PROPORTION AS THAT IN THE CONCRETE, BEFORE PLACEMENT OF NEW CONCRETE ABOVE JOINT. PER ACI 311.1R USE A BEDDING LAYER OF CONCRETE WITH MORE CONCRETE, SAND, & WATER THAN THE DESIGN MIX. AGGREGATE GREATER THAN 3/4" SHALL NOT BE USED. THIS MIXTURE SHALL BE PLACED 4" - 6" DEEP & VIBRATED THOROUGHLY WITH THE REGULAR MIX PLACED ABOVE.



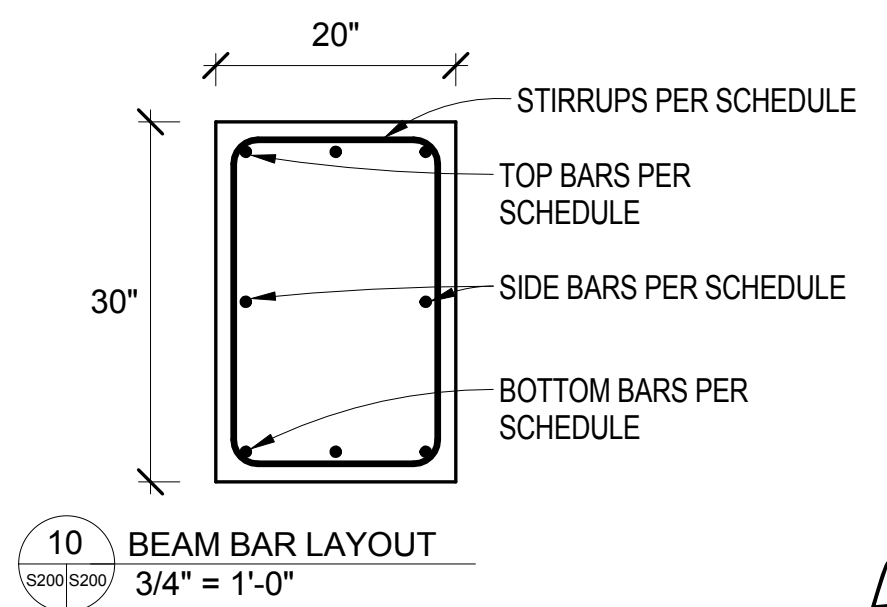
4 FRAMING ISOMETRIC - SE



5 FRAMING ISOMETRIC - NW



11 BEAM BAR BENDING AND PLACING DETAIL 3/8" = 1'-0"



FINAL DESIGN
APPROVED FOR CONSTRUCTION

CONSULTANTS:		ENGINEER-OF-RECORD RICHARD C. WHEELER	FL P.E. NO. 23064	ARCHITECT/ENGINEERS: AKEA INC. 3603 NW 98th Street, Suite B Gainesville, FL 32606 Phone: (352) 474-6124 Fax: (352) 553-4437 COA: FL #26693 AKEA Project No. 083-14	Drawing Title STRUCTURAL FRAMING PLAN	Project Title REPLACE BOILERS - FCA D, ENERGY AT THE MALCOM RANDALL VAMC	Project Number 573-14-600	Office of Construction and Facilities Management
					Approved: Project Director	Location GAINESVILLE, FLORIDA	Building Number	
					Date JULY 8, 2016	Checked RGW	Drawn JG	
							Drawing Number S200	