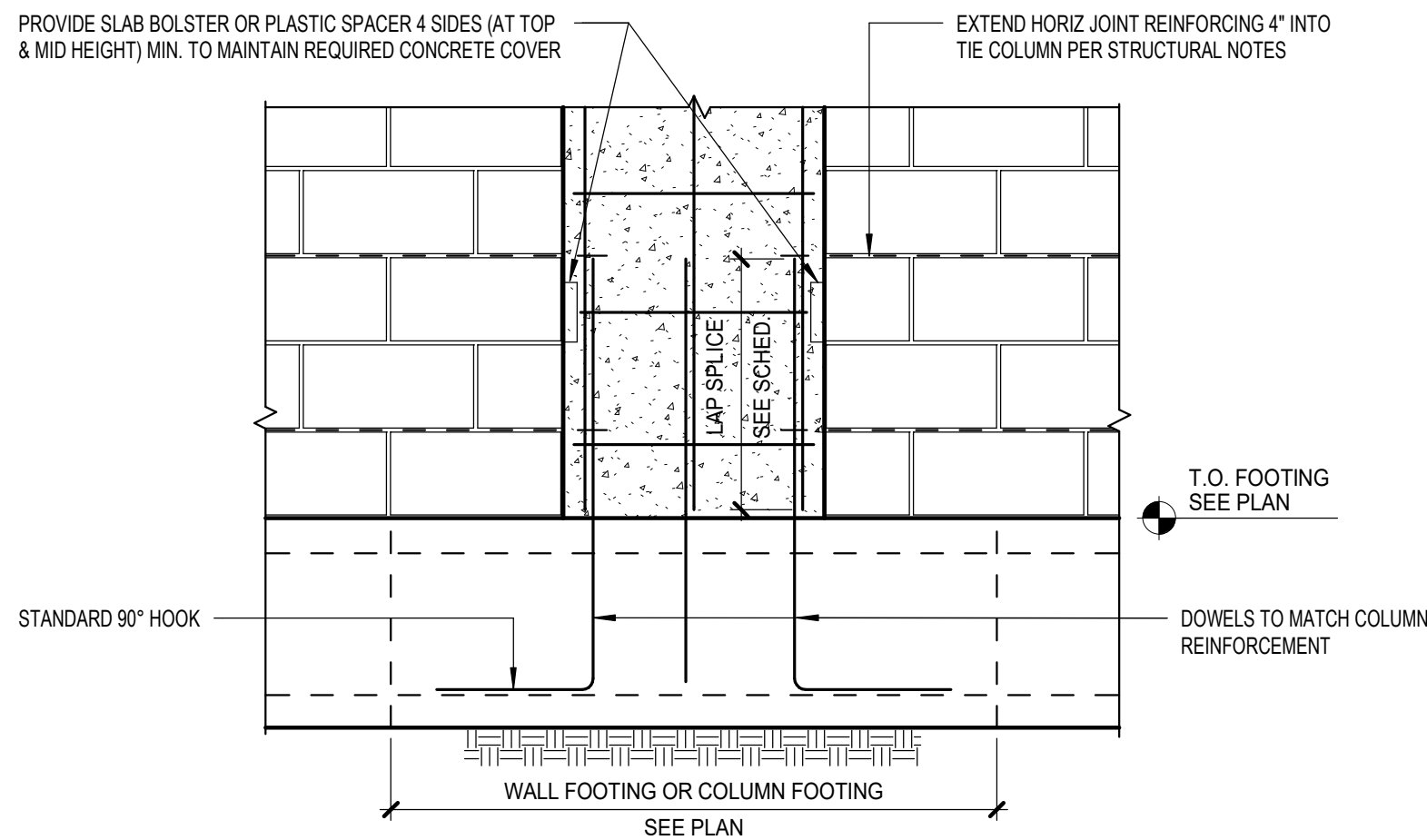
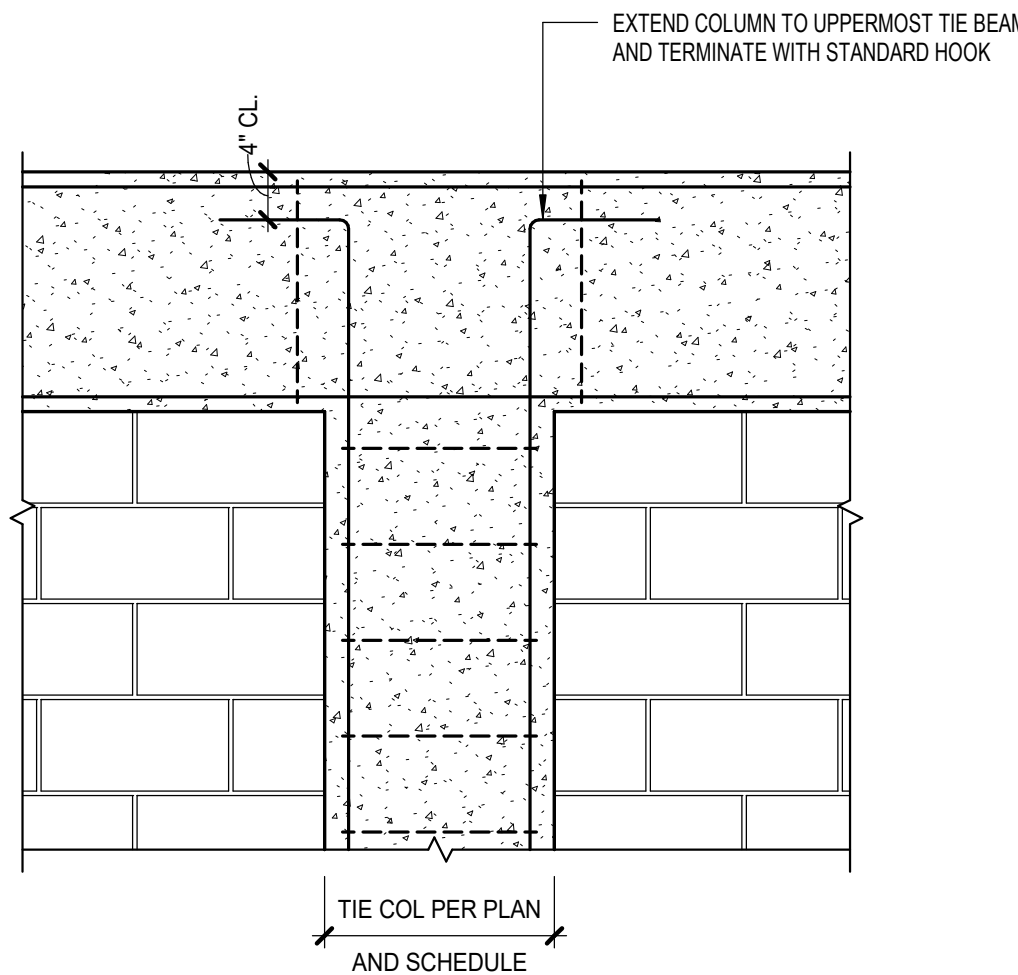


TYPICAL TIE COLUMN DIAGRAM



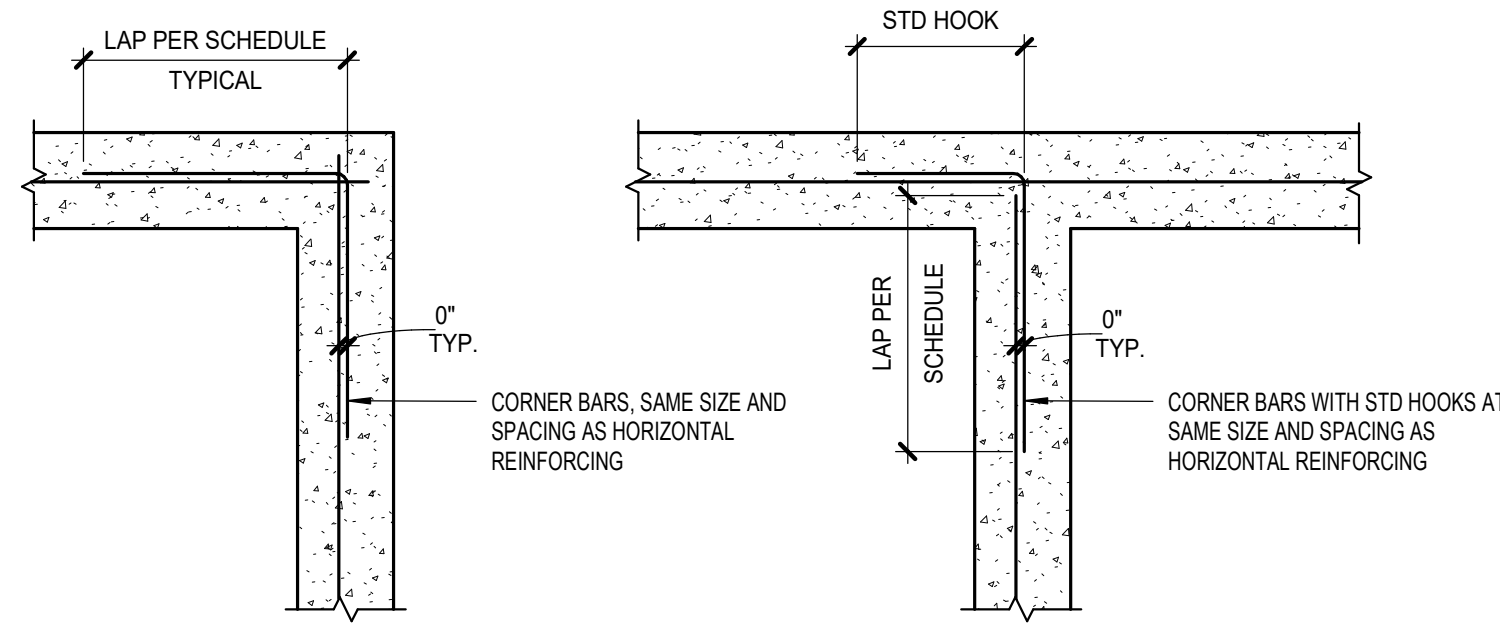
1 TYPICAL TIE COLUMN DETAIL

3/4" = 1'-0"



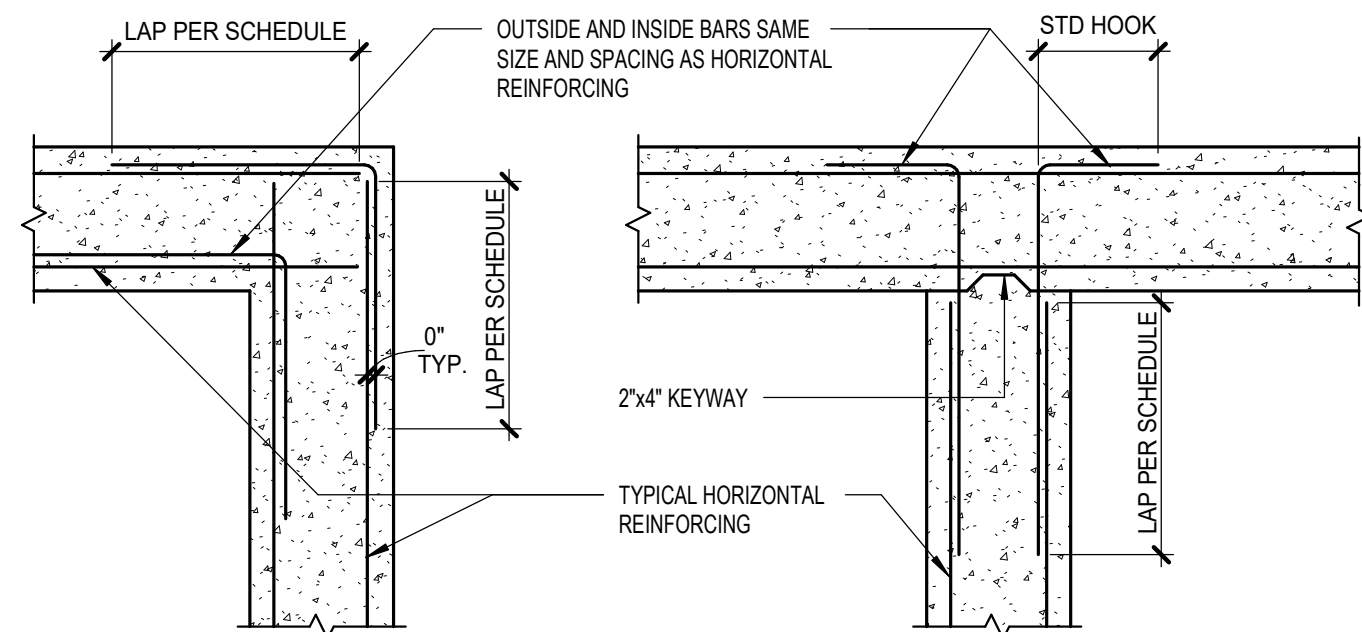
2 TYPICAL TIE COLUMN TERMINATION AT TIE BEAM OR BOND BEAM

3/4" = 1'-0"



CORNERS - SINGLE CURTAIN

INTERSECTIONS - SINGLE CURTAIN



CORNERS - DOUBLE CURTAIN

INTERSECTIONS - DOUBLE CURTAIN

NOTE:
ZERO DIMENSION IS USED TO INDICATE THAT THE BARS ARE INTENDED TO BE PLACED IN THE SAME PLANE

3 TYPICAL HORIZONTAL REINFORCING CONCRETE TIE BEAMS, WALLS AND FOOTINGS

3/4" = 1'-0"

BEAM SCHEDULE								
TYPE	ELEV. TOP OF BEAM	SIZE "b"x"d"	REINFORCING			STIRRUPS		REMARKS
			BOT. CONT.	TOP CONT.	MID. CONT.	SIZE	SPACING EACH END	
B-1	10'-4"	7 5/8"x12"	2#5	2#5		#3	@5" O.C.	
B-2	10'-4"	7 5/8"x12"	2#5	2#5		#3	@5" O.C.	

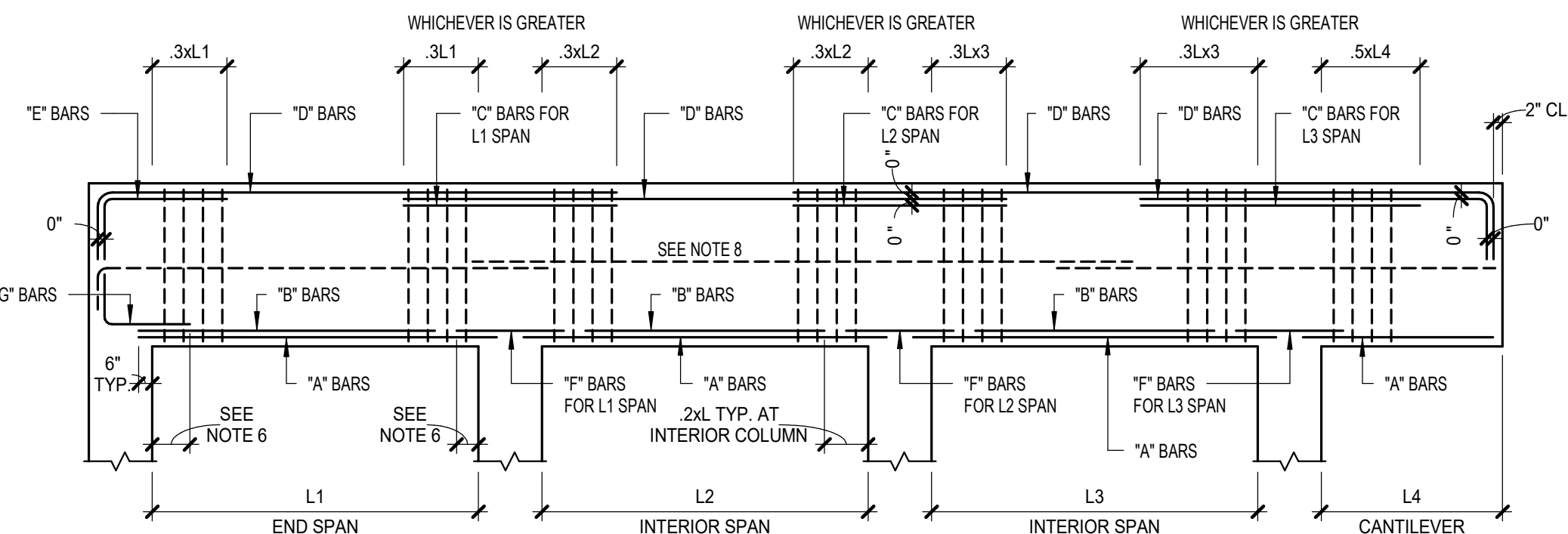
BEAM SCHEDULE NOTES

- PRECAST PRESTRESSED SOFFIT BEAMS ARE DESIGNATED WITH ULTIMATE MOMENTS (FOOT-KIPS) IN COLUMN "A" AND ULTIMATE SHEARS (KIPS) IN THE "SPACING EACH END" COLUMN
 - IN PRECAST SOFFIT BEAMS, PLACE "E", "F", AND "G" BARS DIRECTLY ON TOP OF SOFFIT.
 - "C" AND "F" BARS OCCUR AT CONTINUOUS END OF BEAM. IF BOTH ENDS ARE CONTINUOUS, PLACE "C" AND "F" BARS AT END OF BEAM ADJACENT TO BEAM WITH THE HIGHER MARK NUMBER. IN THE CASE OF REPETITIVE MARK NUMBERS, PLACE "C" AND "F" BARS AT SUPPORT BETWEEN IDENTICAL BEAM MARKS.
 - "D" BARS LAP OVER INTERIOR COLUMNS AND EXTEND TO FAR FACE OF COLUMN AND HOOK AT DISCONTINUOUS ENDS. WHERE NECESSARY, SPLICE "D" BARS AT MIDSPAN WITH A MINIMUM 48 BAR DIAMETER LAP SPLICE.
 - PROVIDE "E" AND "G" BARS AT BOTH ENDS OF SINGLE SPAN BEAMS.
 - DEVELOPMENT LENGTH NOTED FOR "F" AND "G" BARS ARE AS FOLLOW:
- | BAR SIZE | #5 | #6 | #7 | #8 | #9 |
|------------|-------|-------|-------|-------|-------|
| BAR LENGTH | 3'-0" | 3'-0" | 3'-6" | 4'-0" | 4'-6" |
- PLACE FIRST STIRRUP 2" FROM FACE OF SUPPORT. SPACE BALANCE OF STIRRUP TIES AS SCHEDULED. SPACES DESIGNATE NUMBER OF SPACES, NOT QUANTITY OF TIES. IN PRECAST SOFFIT BEAMS, SPECIFIED SHEAR OCCURS AT DISTANCE "d" FROM FACE OF SUPPORT. PLACE FIRST STIRRUP 2" FROM END OF SOFFIT, NEXT 4 TIES @ 6" O.C. (MAX) AND BALANCE SPACED AT d/2 (MAX).
 - FOR 30" AND DEEPER BEAMS, PROVIDE THE FOLLOWING INTERMEDIATE HORIZONTAL REINFORCING EVENLY SPACED BETWEEN THE INNERMOST LAYER OF TOP AND BOTTOM REINFORCING, OR TOP OF PRECAST SOFFIT. PROVIDE 36 BAR DIAMETER LAP AT SUPPORTS AND HOOK DISCONTINUOUS ENDS.

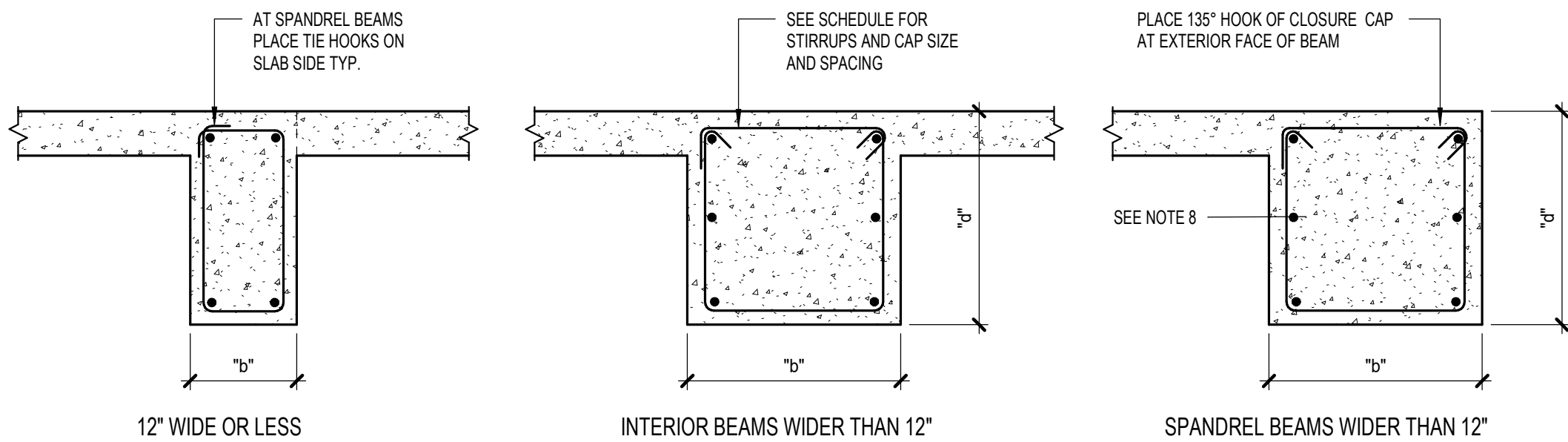
INTERMEDIATE HORIZONTAL REINFORCING					
BEAM DEPTH	30" ≤ d < 36"	36" ≤ d < 46"	46" ≤ d < 56"	56" ≤ d < 66"	66" AND GREATER
REINF. EA. FACE	2 #5	3 #5	4 #5	5 #5	#5 @ 10" O.C.

- FOR BARS SPECIFIED AS "CONTINUOUS", EXTEND BARS TO THE END OF THE BEAM FRAME AND HOOK, U.O.N. WHERE NECESSARY, SPLICE TOP BARS AT MIDSPAN AND BOTTOM BARS AT SUPPORTS WITH A 48 BAR DIAMETER LAP
- EXTEND ALL HOOKED BARS TO FACE OF SUPPORT. WHERE NECESSARY, STAGGER ENDS OF HOOKS 2 INCHES
- ALIGN BARS IN ALL LAYERS VERTICALLY AND SEPARATE MULTIPLE LAYERS OF #7 BARS AND LARGER WITH #8 SPACER BARS AT 48" O.C. BUNDLE #5 AND #6 BARS VERTICALLY.

MAXIMUM NUMBER OF BARS PER LAYER											
REBAR	BEAM WIDTH										
	8"	10"	12"	16"	18"	20"	24"	28"	30"	32"	36"
#6	2	3	3	-	-	-	-	-	-	-	-
#7	2	3	3	4	5	6	8	-	-	-	-
#8	2	2	3	4	4	5	7	8	-	-	-
#9	2	2	2	4	4	5	6	8	9	9	10
#10	-	-	2	3	4	4	6	8	9	9	10
#11	-	-	2	3	4	4	5	7	8	9	10



TYPICAL CAST-IN-PLACE CONCRETE BEAM BAR PLACING DIAGRAM



CAST-IN-PLACE CONCRETE BEAM DETAILS

CLIENT DATA

Client:
CITY OF OCALA
501 NE 1st Ave.
Ocala, FL 34470

PROJECT DATA

Project No: 24020
Project Na: OCALA SUNTRAN
RESTROOMS & KIOSK

ARCHITECT DATA

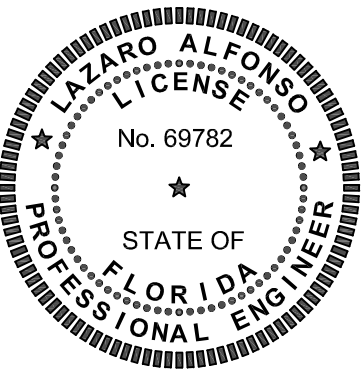
Carbon design & architecture
263 13th Avenue South
Suite 375
St. Petersburg, FL 33701
O:: 941.362.4312
W:: www.carbonAE.com

ENGINEER DATA

ISSUE + REVISION DATA

No: Description: Date:
1 BLD24-1291 06/25/2024
Building Comments

ARCHITECTURE SEAL



05.28.2024

DRAWN BY S.C

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S-402
ALL SCHEDULES

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Lazaro Alfonso, P.E. FL Reg. No. 69782
To the best of the Structural Engineer's
knowledge, the Plans and Specifications comply
with the applicable minimum building codes.