

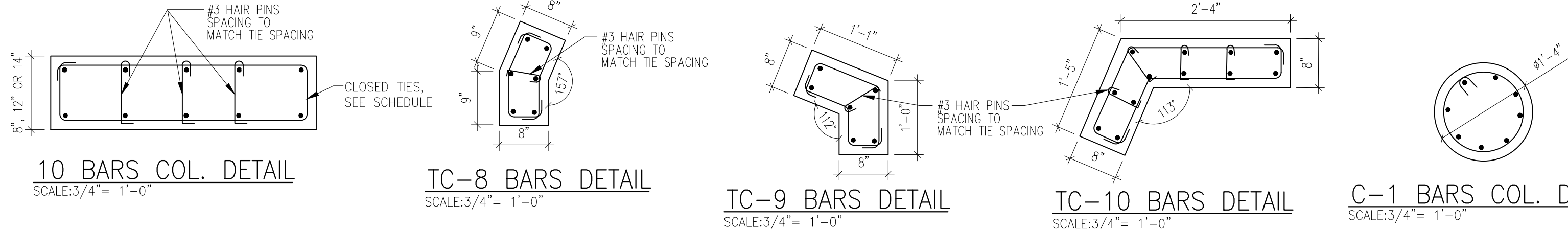
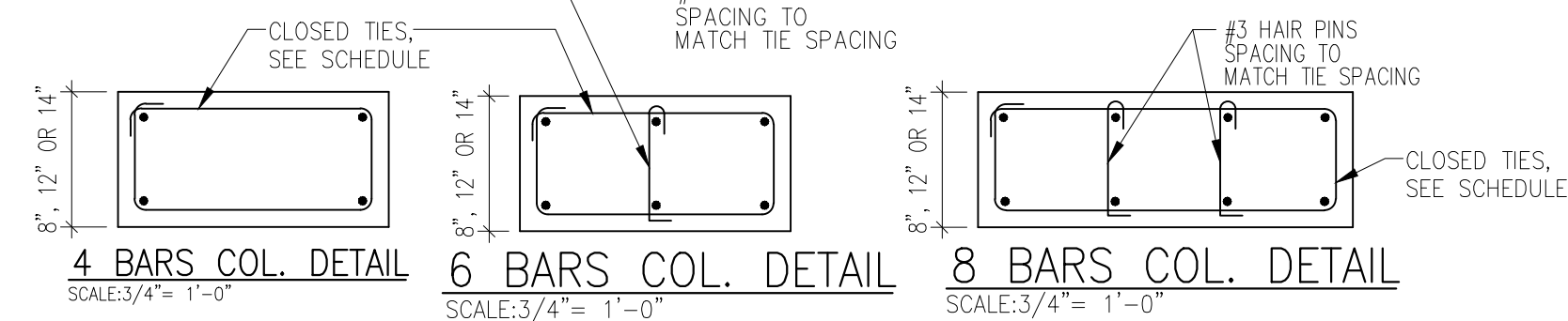
FOOTING SCHEDULE						
MARK	SIZE L X W X THICKNESS	REINFORCEMENT				REMARKS
		BOTTOM		TOP		
		SHORT BARS	LONG BARS	SHORT BARS	LONG BARS	
WF-16	CONT. X 16" X 12"	#5@12"C/C	2 #5	—	—	PROVIDE 2 #5 BENT, EXTEND 48 BAR DIAMETERS FROM EACH CORNERS OR CHANGE IN DIRECTIONS
WF-24	CONT. X 24" X 12"	#5@12"C/C	3 #5	—	—	PROVIDE 3 #5 BENT, EXTEND 48 BAR DIAMETERS FROM EACH CORNERS OR CHANGE IN DIRECTIONS
WF-30	CONT. X 30" X 12"	#5@12"C/C	3 #5	—	—	PROVIDE 3 #5 BENT, EXTEND 48 BAR DIAMETERS FROM EACH CORNERS OR CHANGE IN DIRECTIONS
WF-48	CONT. X 48" X 12"	#5@12"C/C	5 #5	—	—	PROVIDE 3 #5 BENT, EXTEND 48 BAR DIAMETERS FROM EACH CORNERS OR CHANGE IN DIRECTIONS
WF-48S	CONT. X 48" X 12"	#5@12"C/C	5 #5	#5@12"C/C	5 #5	PROVIDE 3 #5 BENT, EXTEND 48 BAR DIAMETERS FROM EACH CORNERS OR CHANGE IN DIRECTIONS
MMF-24	CONT. X 24" X 12"	#5@12"C/C	3 #5	—	—	
F-40	4'-0" X 4'-0" X 12"	5 #5	5 #5	—	—	SEE TYPICAL DETAIL ON SHEET S-5
F-50	5'-0" X 5'-0" X 12"	6 #5	6 #5	—	—	SEE TYPICAL DETAIL ON SHEET S-5
F-60	6'-0" X 6'-0" X 12"	7 #5	7 #5	—	—	SEE TYPICAL DETAIL ON SHEET S-5
F-70	7'-0" X 7'-0" X 16"	8 #6	8 #6	—	—	SEE TYPICAL DETAIL ON SHEET S-5
F-106	10'-6" X 10'-6" X 18"	11 #7	11 #7	—	—	SEE TYPICAL DETAIL ON SHEET S-5
F-126	12'-6" X 12'-6" X 24"	13 #7	13 #7	—	—	SEE TYPICAL DETAIL ON SHEET S-5
F-240160	24'-0" X 16'-0" X 24"	25 #7	17 #7	25 #7	17 #7	SEE TYPICAL DETAIL ON SHEET S-5
TE	CONT. X 8" X 8"	—	1 #5	—	—	SEE TYPICAL DETAIL ON SHEET S-5
TE-1	CONT. X 12" X 12"	—	2 #5	—	—	SEE TYPICAL DETAIL ON SHEET S-5

NOTE:
1. TOP OF FOOTING ARE ELEV.=+2'-6" UNLESS NOTED OTHERWISE ON PLAN.

STEEL COLUMN SCHEDULE				
MARK	SIZE	BOTTOM PLATE	TOP PLATE	REMARKS
HSS 1	HSS 8X8X1/2	PL16"x16"x1" W/ (4) 3/4"Ø HEADED STUD, 8" LONG.	PL12"x8"x3/4" W/ (3) 3/4"Ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 2	HSS 6X6X5/8	PL10"x10"x3/4" W/ (4) 3/4"Ø HEADED STUD, 8" LONG.	PL12"x8"x3/4" W/ (3) 3/4"Ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 3	HSS 8X4X5/8	PL12"x8"x3/4" W/ (3) 5/8"Ø HEADED STUD, 8" LONG.	PL12"x8"x3/4" W/ (3) 5/8"Ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 4	HSS 10X10X5/8	PL16"x16"x1" W/ (4) 3/4"Ø HEADED STUD, 8" LONG.	PL12"x8"x3/4" W/ (3) 3/4"Ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 5	HSS 6X4X3/8	PL12"x12"x3/4" W/ (4) 3/4"Ø HEADED STUD, 8" LONG.	PL12"x8"x3/4" W/ (3) 5/8"Ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 6	HSS 6X6X5/8	PL12"x8"x3/4" W/ (3) 3/4"Ø HEADED STUD, 8" LONG.	PL12"x8"x3/4" W/ (3) 3/4"Ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 7	HSS 6X6X5/8	PL10"x10"x3/4" W/ (4) 3/4"Ø HEADED STUD, 8" LONG.	SEE DETAIL X3/4" W/ (3) 5/8"Ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5
HSS 8	HSS 8X8X1/2	PL16"x16"x1" W/ (4) 3/4"Ø HEADED STUD, 8" LONG.	SEE DETAIL X3/4" W/ (3) 3/4"Ø HEADED STUD, 8" LONG.	SEE TYP. DETAILS ON SHEET S-5

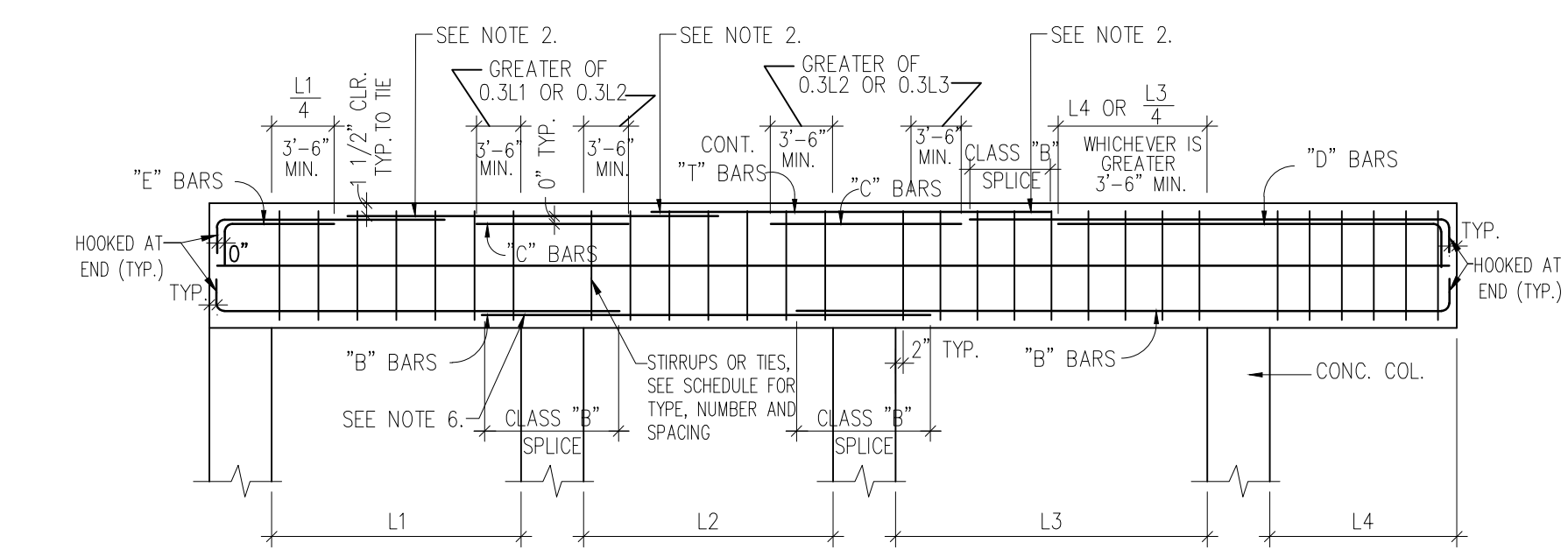
NOTE:
1. ALL STEEL COLUMNS SHALL BE GROUT FILLET(5000 PSI) ALLOW. A 2"x2" OPENING ON CAP PLATE FOR GROUTING.
2. PROVIDE PRESSURE RELIEF HOLES AT BOTTOM, TOP AND MID-HEIGHT.

CONCRETE COLUMN SCHEDULE			
MARK	SIZE	REINFORCEMENT	
		VERTICAL	CLOSED TIES
TC 1	8" X 12"	4 #5	#3 @ 8" C/C.
TC 2	8" X 16"	6 #5	#3 @ 8" C/C.
TC 3	8" X 24"	8 #5	#3 @ 8" C/C.
TC 4	8" X 28"	8 #5	#3 @ 8" C/C.
TC 5	8" X 34"	10 #5	#3 @ 8" C/C.
TC 6	8" X 42"	8 #6	#3 @ 8" C/C.
TC 7	8" X 44"	8 #6	#3 @ 8" C/C.
TC 8	SEE DETAIL	6 #5	#3 @ 8" C/C.
TC 9	SEE DETAIL	6 #5	#3 @ 8" C/C.
TC 10	SEE DETAIL	12 #5	#3 @ 8" C/C.
C-1	16"Ø	8 #5	#3 @ 12" C/C.
C-2	8" X 80"	16 #6	#3 @ 8" C/C.



CONCRETE BEAM SCHEDULE												
MARK	TOP ELEV.	SIZE W x H	REINFORCING					TIES OR STIRRUP			REMARKS	
			"B"	"T"	"C"	"D"	"1"EA. FACE	NO.	TYPE	SPACING EA. END		
RB-1	+25'-6"	8" X 24"	2 #6	2 #6			1 #5	#3	Ø 15" C/C.	FROM E.A. SUPPORT & BAL. @10"C/C.		
RB-2	+25'-6"	8" X 30"	2 #7*	2 #7			2 #5	#3	Ø 12" C/C.	FROM E.A. SUPPORT & BAL. @12"C/C.	* IN SECOND LAYER	
RB-3*	+26'-6"	12" X 42"	4 #8	4 #8			3 #5	#3	Ø 12" C/C.		* UP-TURNED BEAM	
RB-4	+25'-6"	8" X 20"	2 #5*	2 #8				#3	Ø 24" C/C.	FROM E.A. SUPPORT & BAL. @8"C/C.		
RB-5	+25'-6"	8" X 18"	2 #7*	2 #7				#3	Ø 7" C/C.		* IN SECOND LAYER	
RB-6	+25'-6"	8" X 18"	2 #7	2 #7				#3	Ø 7" C/C.			
RB-7*	+26'-6"	16" X 42"	6 #8**	6 #8			3 #5	#3	Ø 12" C/C.		* UP-TURNED BEAM ** IN SECOND LAYER	
RB-8	+14'-0"	8" X 20"	2 #6	2 #6				#3	Ø 8" C/C.			
RB-9	+14'-0"	8" X 20"	2 #7	2 #7				#3	Ø 8" C/C.			
2B-1	+8'-2"	8" X 20"	2 #6	2 #6				#3	Ø 8" C/C.			
2B-2*	+15'-8"	8" X 28"	2 #6**	2 #6			1 #5	#3	Ø 9" C/C.	FROM E.A. SUPPORT & BAL. @12"C/C.	* UP-TURNED BEAM ** IN SECOND LAYER	
2B-3*	+14'-0"	12" X 36"	4 #8	4 #8			3 #5	#3	Ø 4" C/C.		* SUPPORT OF 2B-2, BEAM DEPTH AT TERRACE PORTION 30" EXTEND TOP & SKIN REINF. CONT.	
2B-4*	+14'-0"	12" X 48"	4 #8	4 #8**			3 #5	#3	Ø 3" C/C.		* SUPPORT OF 2B-3 ** IN SECOND LAYER	
2B-5	+14'-0"	8" X 24"	2 #7	2 #7	2 #7*		1 #5	#3	Ø 21" C/C.	FROM E.A. SUPPORT & BAL. @10"C/C.	* IN SECOND LAYER	
2B-6*	+14'-0"	16" X 30"	5 #8	5 #8**			2 #5	#3	Ø 14" C/C.	FROM E.A. SUPPORT & BAL. @12"C/C.	* SUPPORT OF 2B-5 ** IN SECOND LAYER	
2B-7*	+14'-0"	12" X 30"	2 #7**	3 #7	2 #7**		2 #5	#3	Ø 29" C/C.	FROM E.A. SUPPORT & BAL. @10"C/C.	* BEAM DEPTH AT TERRACE PORTION 24" EXTEND TOP & SKIN REINF. CONT. ** IN SECOND LAYER	
2B-8	+13'-6"	8" X 24"	2 #6	2 #6			1 #5	#3	Ø 8" C/C.	FROM E.A. SUPPORT & BAL. @10"C/C.		
2B-9	+13'-6"	8" X 24"	2 #6	2 #6			1 #5	#3	Ø 10" C/C.			
2B-10	+13'-6"	16" X 24"	4 #8	4 #8			1 #5	#3	Ø 10" C/C.			
2B-11	+13'-6"	16" X 24"	3 #6	3 #6			1 #5	#3	Ø 10" C/C.			
2B-12	+13'-6"	8" X 24"	2 #7*	2 #7			1 #5	#3	Ø 10" C/C.		* IN SECOND LAYER	
2B-13	+13'-6"	8" X 24"	2 #6	2 #6			1 #5	#3	Ø 10" C/C.			
2B-14*	+14'-0"	12" X 30"	3 #7	3 #7	2 #7**		2 #5	#3	Ø 31" C/C.	FROM E.A. SUPPORT & BAL. @12"C/C.	* SUPPORT OF 2B-6 ** IN SECOND LAYER	
2B-15	+14'-0"	8" X 24"	2 #6	2 #6			1 #5	#3	Ø 10" C/C.			
2B-16*	+14'-0"	8" X 24"	2 #7	2 #7			1 #5	#3	Ø 4" C/C.		* SUPPORT OF 2B-15	
2B-17	+13'-9"	8" X 22"	2 #6	2 #6				#3	Ø 8" C/C.			
2B-18	+14'-0"	8" X 24"	2 #7*	2 #7			1 #5	#3	Ø 14" C/C.	FROM E.A. SUPPORT & BAL. @10"C/C.	* IN SECOND LAYER	
2B-19	+14'-0"	8" X 24"	2 #7*	2 #7			1 #5	#3	Ø 6" C/C.		* IN SECOND LAYER	
2B-20	+14'-0"	8" X 24"	2 #8*	2 #8			1 #5	#3	Ø 5" C/C.	FROM E.A. SUPPORT & BAL. @10"C/C.	* IN SECOND LAYER	
2B-21	+15'-0"	8" X 26"	2 #6	2 #6			1 #5	#3	Ø 12" C/C.			
2B-22*	+14'-0"	8" X 24"	2 #8	2 #8**				#3	Ø 6" C/C.		* REINFORCEMENT TO BE CONTINUOUS INTO 2B-18 ALL LENGTH ** IN SECOND LAYER	
2B-23	+13'-6"	12" X 20"	3 #8	2 #8*				#3	Ø 8" C/C.		* IN SECOND LAYER	
RTB-1	+25'-6"	8" X 12"	2 #5	2 #5				#3	Ø 4" C/C.	@ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.	
RTB-2	+14'-0"	8" X 12"	2 #5	2 #5				#3	Ø 4" C/C.	@ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.	
RTB-3	+31'-0"	8" X 12"	2 #5	2 #5				#3	Ø 4" C/C.	@ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.	
2TB-1	+14'-0"	8" X 12"	2 #5	2 #5				#3	Ø 4" C/C.	@ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.	
2TB-2	+13'-9"	8" X 12"	2 #5	2 #5				#3	Ø 4" C/C.	@ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.	
2TB-3	+13'-6"	8" X 12"	2 #5	2 #5				#3	Ø 4" C/C.	@ CORNERS, BAL. @ 48"	PROVIDE 2 #5 BENT BARS, EXTEND 30" EACH WAY FROM CORNER.	

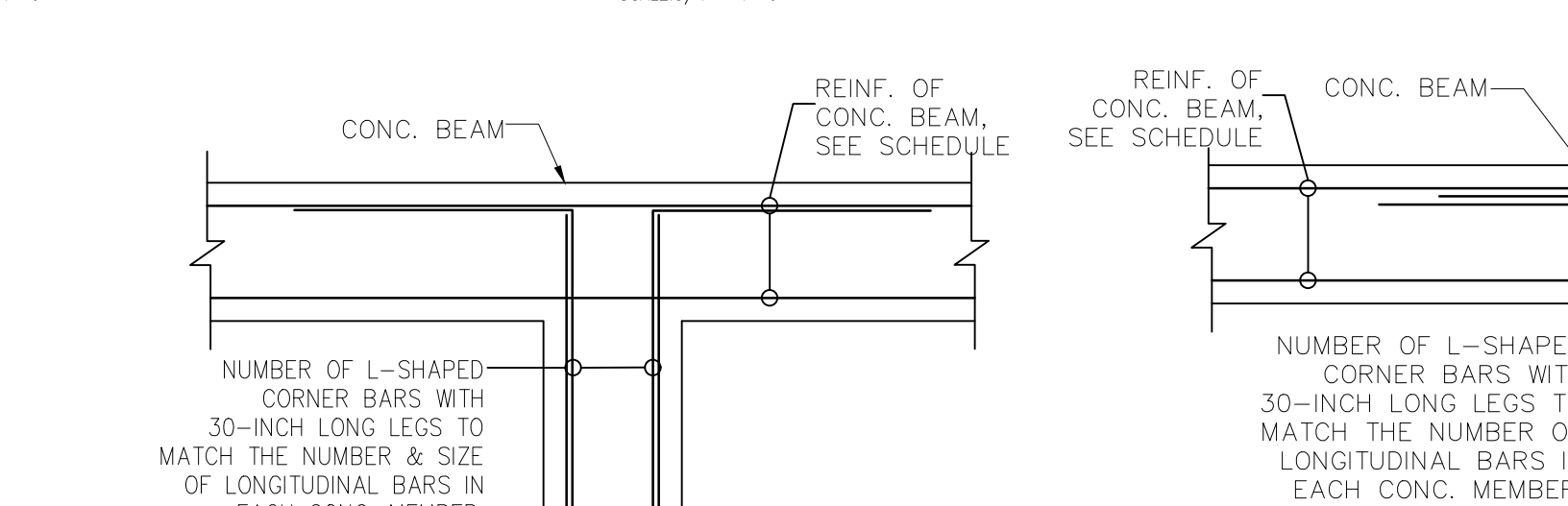
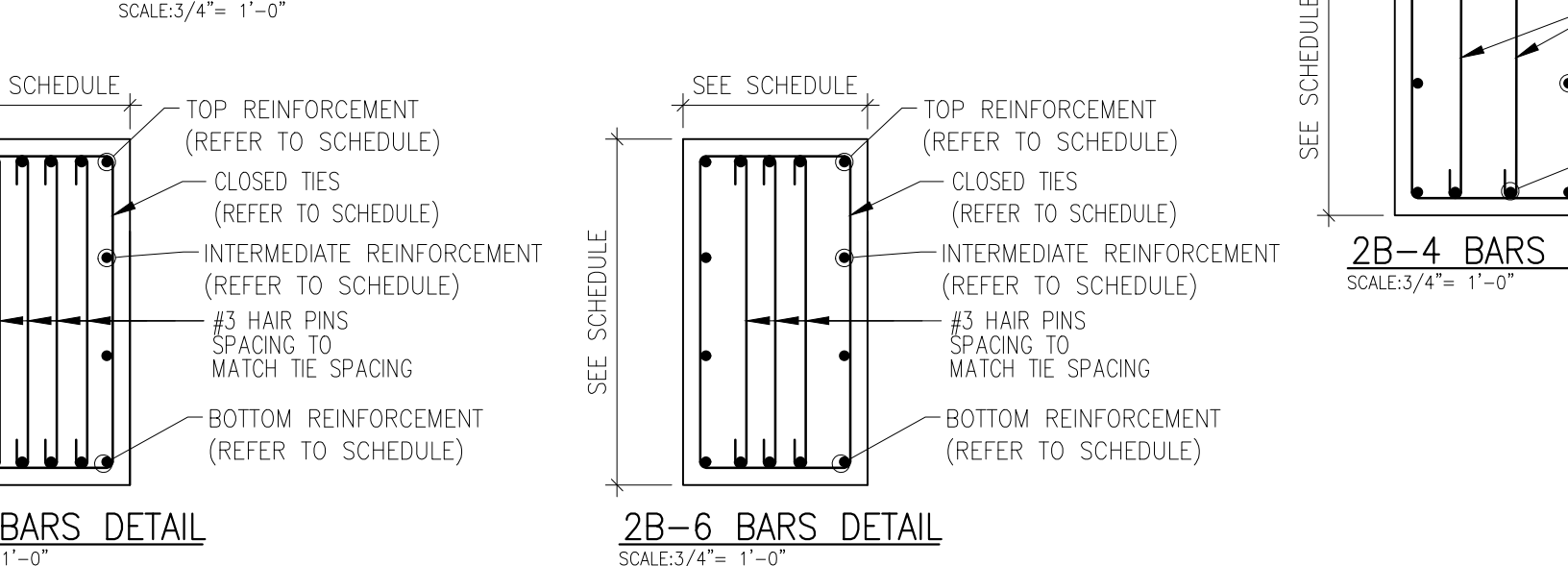
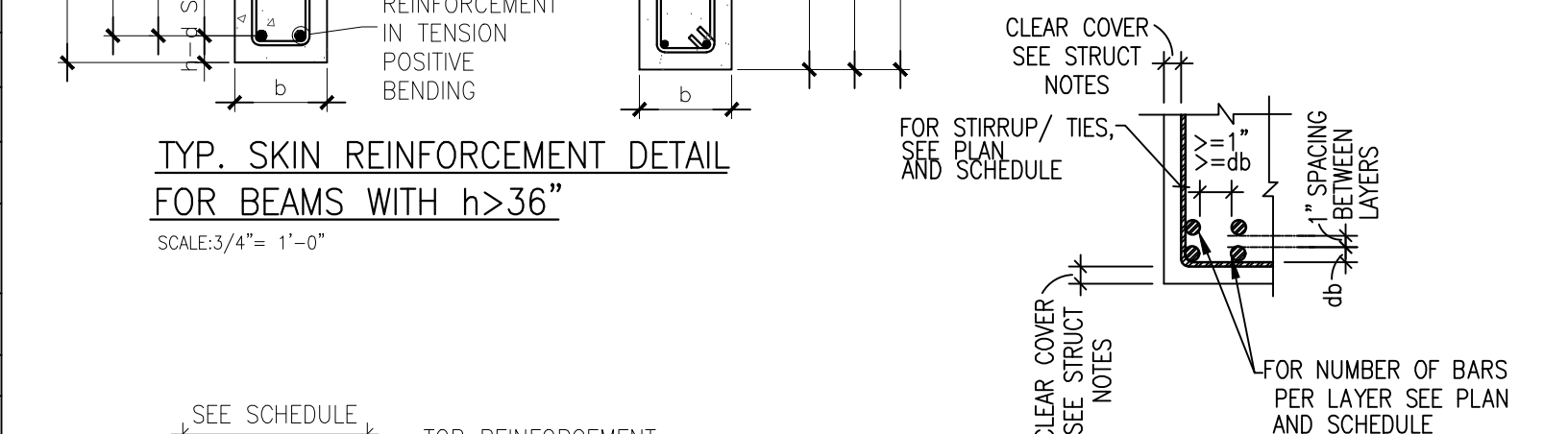
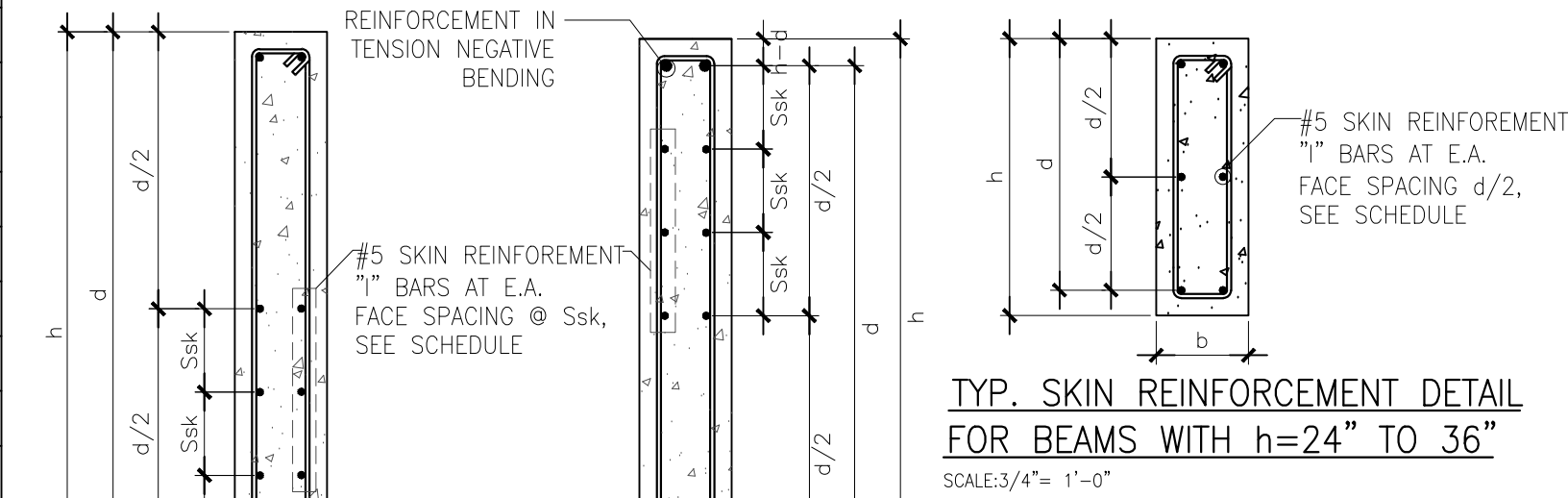
NOTE:
1.- TOP OF BEAMS ARE SHOWN FROM DATUM ELEV.=0'-0"=(14.90' NGVD).
2.- THE BEAM DEPTH, AS SCHEDULED, IS MINIMUM. IT CAN BE INCREASED AS REQUIRED TO MATCH BLOCK COURSING, TO FOLLOW A SLOPE, TO FORM ARCHES, OR TO BE USED AS A LINTEL OR TO ACCOMMODATE WINDOW & DOOR OPENINGS. REFER TO ARCH. DWG. FOR OPENING SIZES. PROVIDE 2 #5 BOTTOM (ADDTL) AND #3 @ 12" C/C STIRRUPS IF INCREASE IN DEPTH EXCEEDS 8". EXTEND DROP PORTION OF THE BEAM MINIMUM 8" BEYOND FACE OF OPENING.



TYPICAL BEAM BAR PLACING DIAGRAM

- NOTES:
1. PLACE A MAXIMUM OF 2 BARS PER LAYER IN 8"-WIDE BEAMS.
2. SPLICE TOP BARS AT MID SPAN SHALL BE CLASS "B" W/ 30 BAR DIAMETER LAP SPLICES.
3. SPLICE "T" BARS AT SUPPORTS W/ 30 BAR DIAMETER LAP SPLICES.
4. PLACE "C" BARS OVER RIGHT-HAND SUPPORT, UNLESS NOTED IN REMARKS.
5. "T" BARS AS SCHEDULED SHALL BE PLACED EACH SIDE OF BEAM(SEE TYP. SKIN REINFORCEMENT DETAILS)
6. SPLICE BOTTOM BARS SHALL BE CLASS "B" AT SUPPORT W/30 BAR DIAMETER SPLICES.

DEVELOPMENT LENGTH FOR DEFORMED BARS						
BARS	SIZE	f'c CONCRETE W/ Fy=60 KSI	DEVELOPMENT LENGTH			
			STRAIGHT TENSION	DEVELOPMENT COMPRESSION	HOOKED DEVELOPMENT	SPLICE LENGTH
						CLASS A CLASS B COMPRESSION
#3		f'c= 3000 PSI	22"	9"	9"	22" 28" 12"
		f'c= 4000 PSI	19"	8"	8"	19" 25" 12"
		f'c= 5000 PSI	17"	8"	7"	17" 22" 12"
#4		f'c= 3000 PSI	29"	11"	11"	29" 38" 15"
		f'c= 4000 PSI	25"	10"	10"	25" 33" 15"
		f'c= 5000 PSI	23"	9"	9"	23" 29" 15"
#5		f'c= 3000 PSI	36"	14"	14"	36" 47" 19"
		f'c= 4000 PSI	31"	12"	12"	31" 41" 19"
		f'c= 5000 PSI	28"	12"	11"	28" 36" 19"
#6		f'c= 3000 PSI	43"	17"	17"	43" 56" 23"
		f'c= 4000 PSI	37"	15"	15"	37" 49" 23"
		f'c= 5000 PSI	34"	14"	13"	34" 44" 23"
#7		f'c= 3000 PSI	63"	20"	20"	63" 81" 27"
		f'c= 4000 PSI	54"	17"	17"	54" 71" 27"
		f'c= 5000 PSI	49"	12"	15"	49" 63" 27"
#8		f'c= 3000 PSI	72"	17"	22"	72" 93" 30"
		f'c= 4000 PSI	62"	19"	19"	70" 90" 30"
		f'c= 5000 PSI	56"	18"	17"	68" 88" 30"



REVISIONS						

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