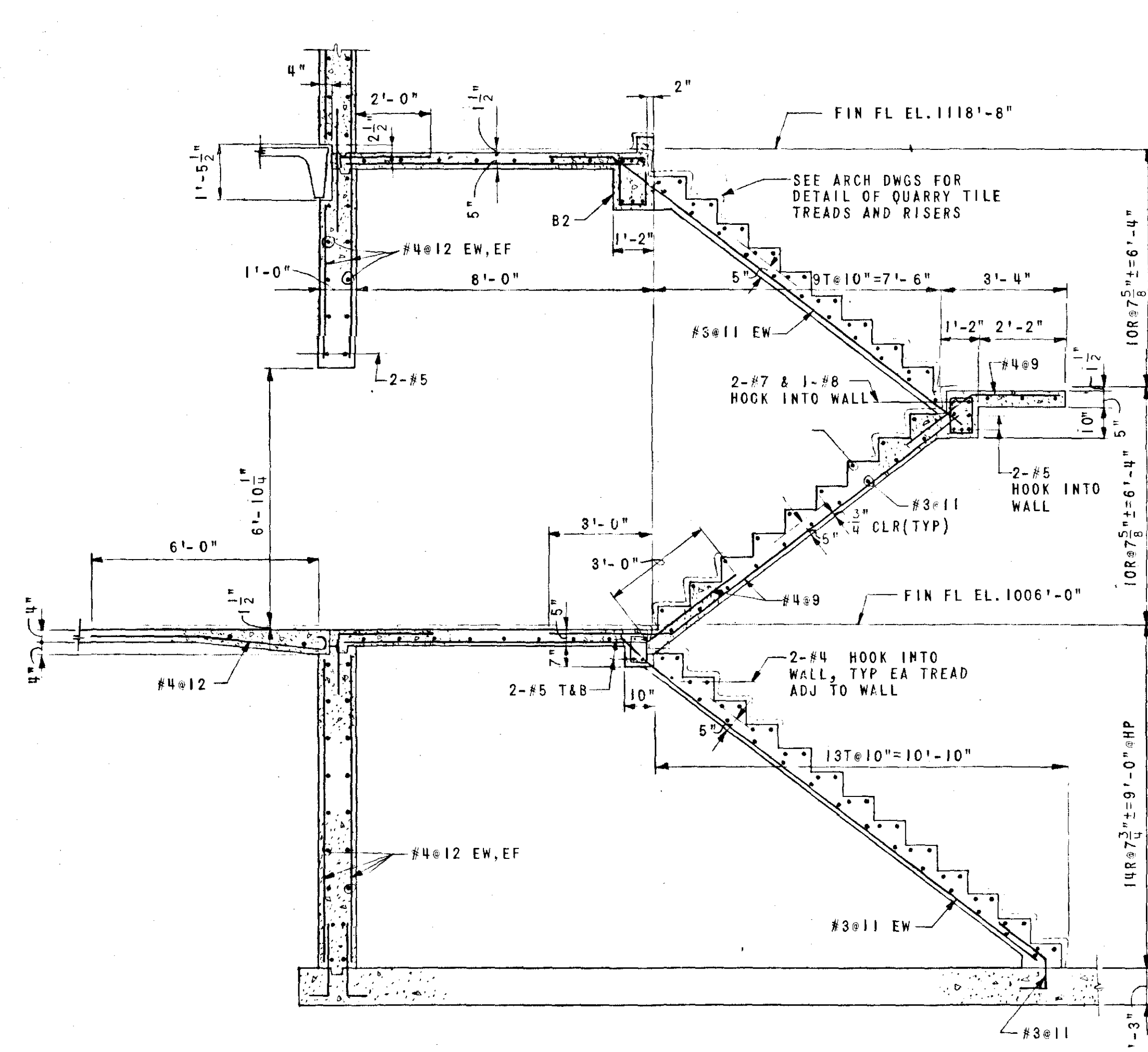
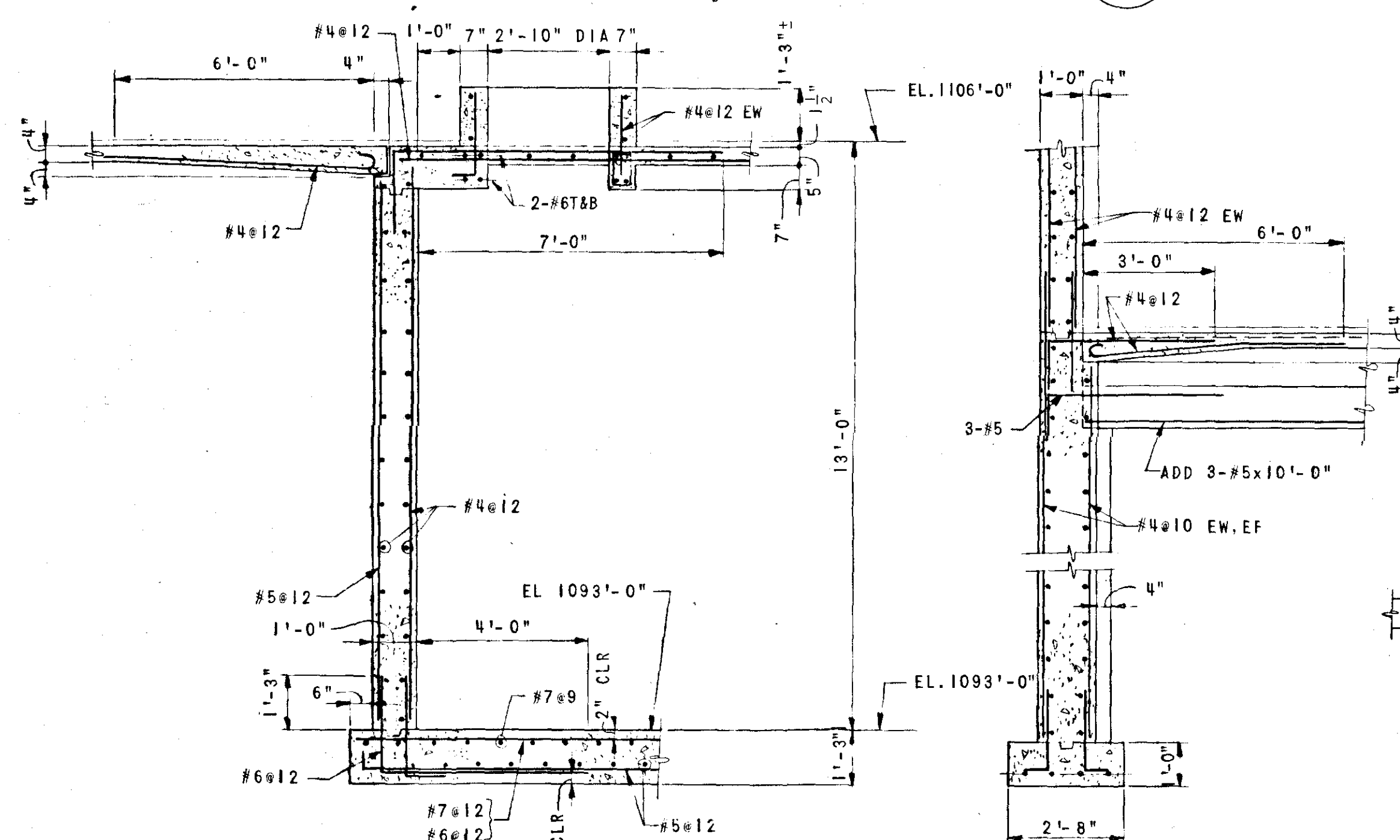


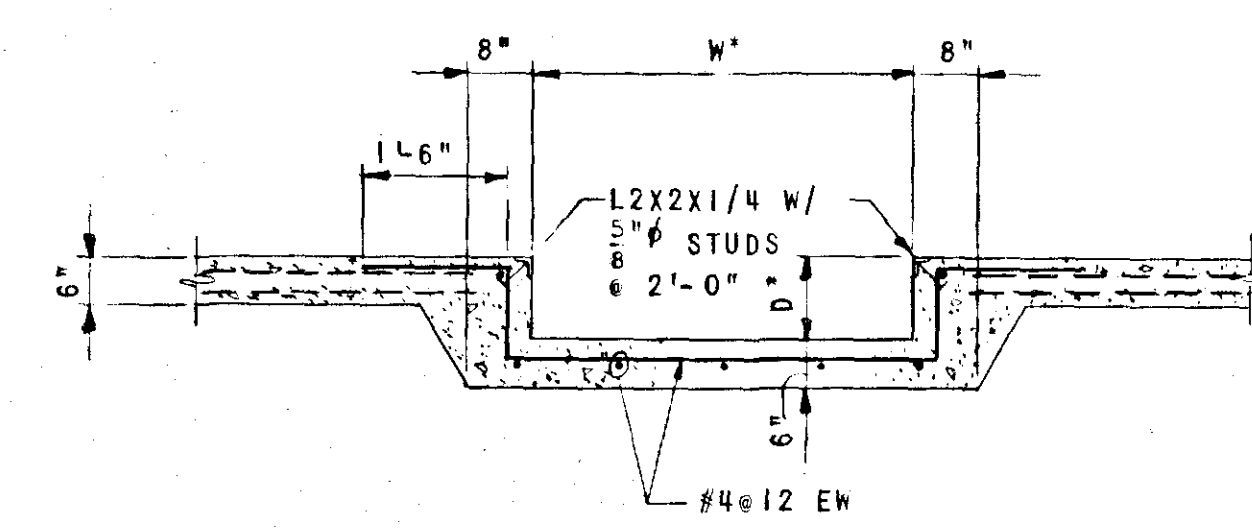


SECTION S3.1
SCALE: 3/8"=1'-0"



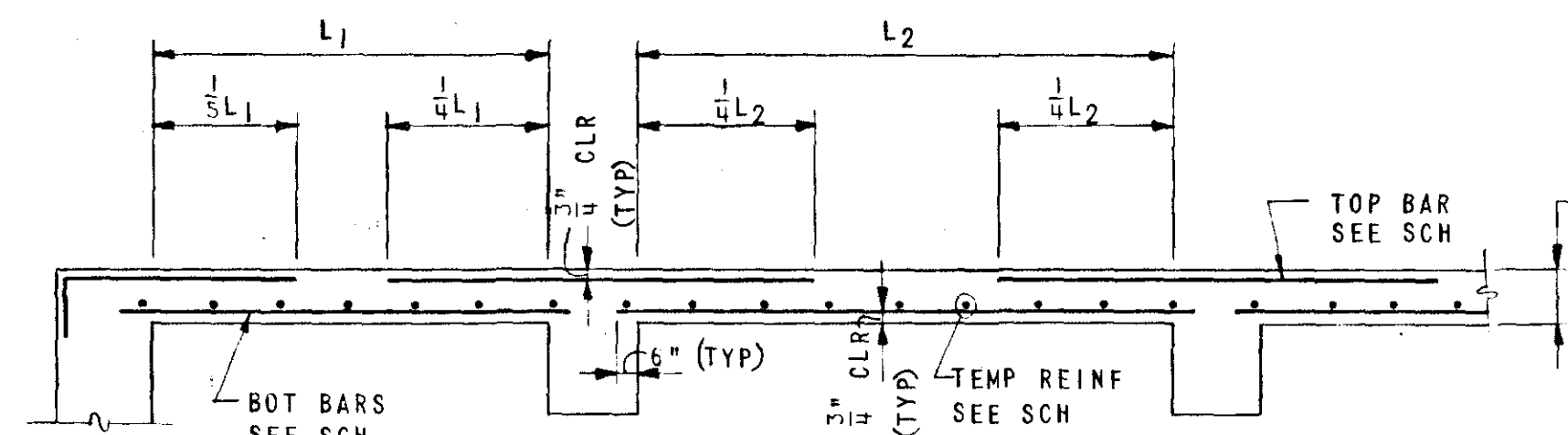
SECTION S3.2
SCALE: 3/8"=1'-0"

SECTION S3.3
SCALE: 3/8"=1'-0"



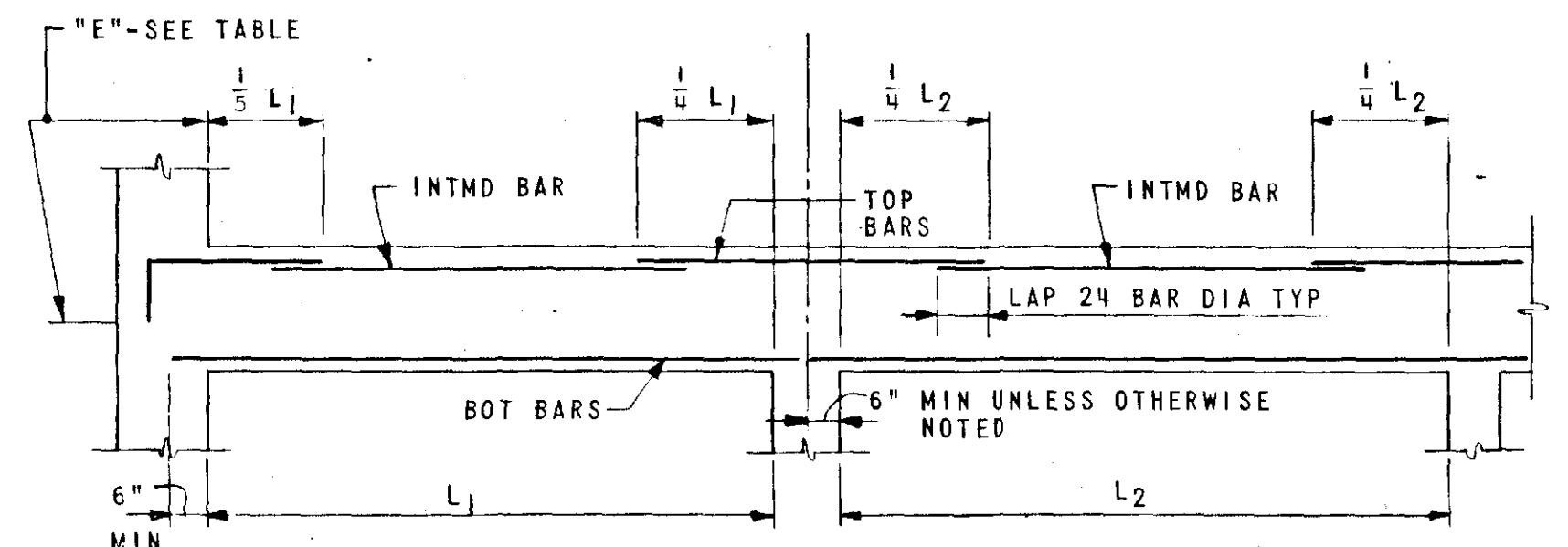
DETAIL OF SCALE PITS
NO SCALE

* DIMENSIONS MARKED "D" AND "W" TO BE ADJUSTED TO SUIT EQUIPMENT FURNISHED.



TYP FLOOR SLAB REINF
NO SCALE

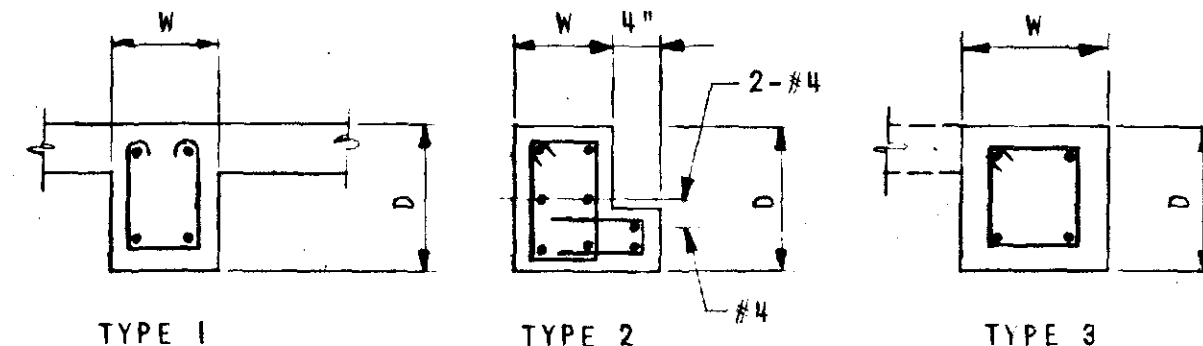
SLAB SCHEDULE					
MARK	DEPTH	BOT BARS	TOP BARS	TEMP	REMARKS
S1	5"	#4@9	#4@9	#3@11	
S2	4"	#4@12	#4@12	#3@11	
S3	5"	#4@12	#4@12	#3@11	



BEAM & GIRDER DIAGRAM
NO SCALE

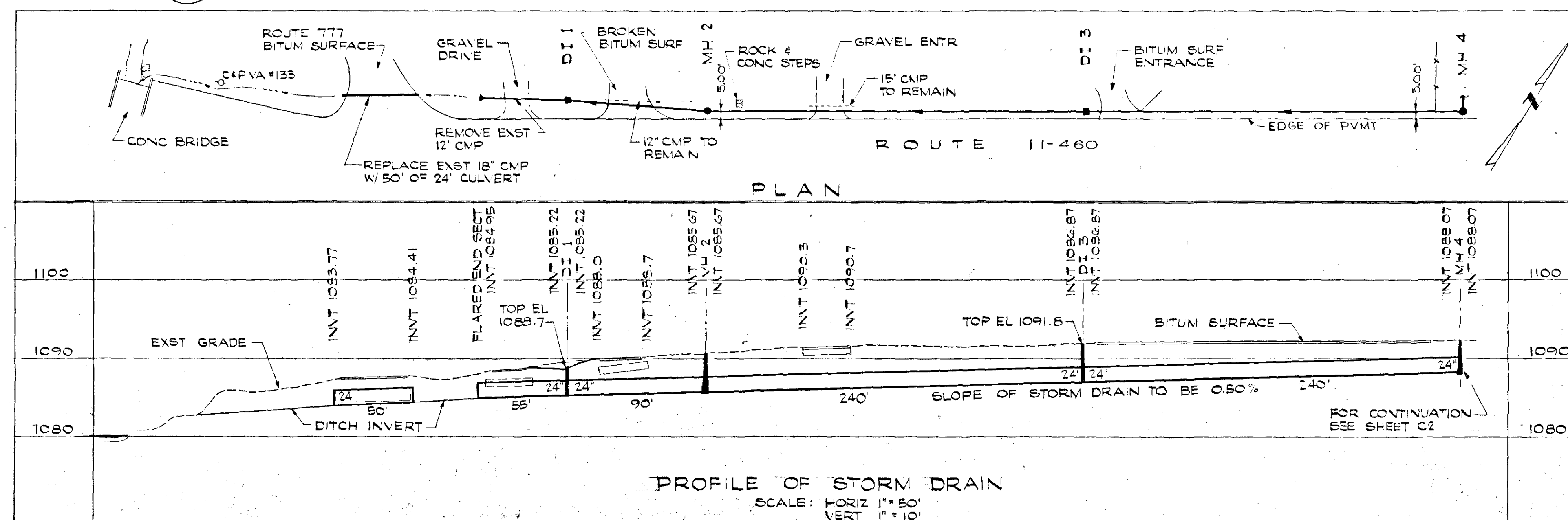
BEAM SCHEDULE									
MARK	SIZE	W	D	BOT BARS	INDEX END	TOP BARS	OTHER END	SP EA END	REMARKS
B1	12 14	2-#7	3-#7	2-#7	3-#7	3-#7	3-#7	3-#7	
B2	14 18	3-#8	2-#7	2-#4	2-#7	3-#7	3-#7	3-#7	
B3	12 20	2-#8, 1-#9	2-#8	2-#8	2-#8	3-#7	3-#7	3-#7	
B4	8 24	2-#6	2-#6	2-#6	2-#6	3-#7	3-#7	3-#7	
B5	8 24	2-#6	2-#6 + 1-#5	2-#6	2-#6 + 1-#5	3-#7	3-#7	3-#7	
B6	7 12	2-#6	2-#6	2-#6	2-#6	3-#7	3-#7	3-#7	
B7	12 22	3-#9	3-#8	2-#8	3-#8	3-#7	3-#7	3-#7	
B8	12 16	2-#7	2-#7	2-#7	2-#7	3-#7	3-#7	3-#7	

* BEAM MARKS ON PLAN APPEAR AT INDEX END OF BEAM



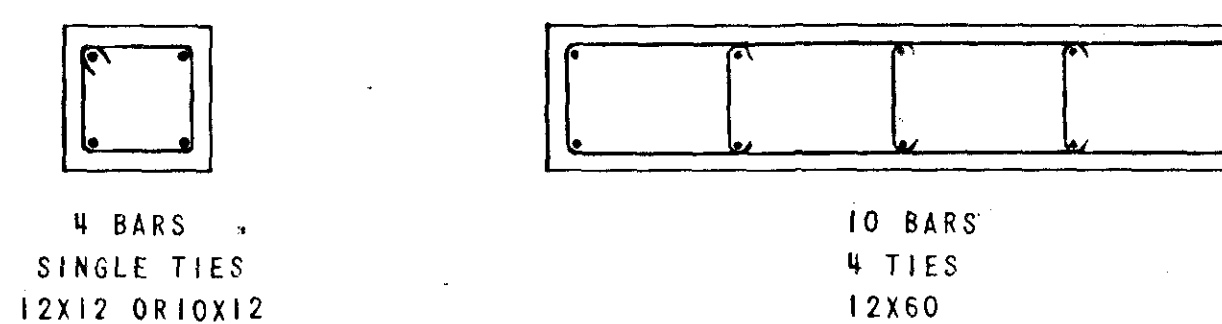
STIRRUP TYPES

EMBEDMENT LENGTHS "E" (IN.)										
BAR SIZE	4	5	6	7	8	9	10	11	12	14
8000	7	8	11	15	20	25	31	38	47	58
4000	7	8	10	13	17	22	27	33	41	51



PROFILE OF STORM DRAIN
SCALE: HORIZ 1"=50'
VERT 1"=10'

COLUMN SCHEDULE					
ELEV	MARK	C1	C2	C3	C4
1128'-0"	HIGH ROOF	12X12 4-#6 #3@12 TIES			
1118'-8"	FILTER FL & LOW ROOF	12X12 4-#6 #3@12 TIES	12X12 4-#6 #3@12 TIES	12X60 10-#6 #3@12 TIES	
1106'-0"	1ST FLOOR				10X12 4-#6 #3@10" TIES
1097'-0"	6HP				

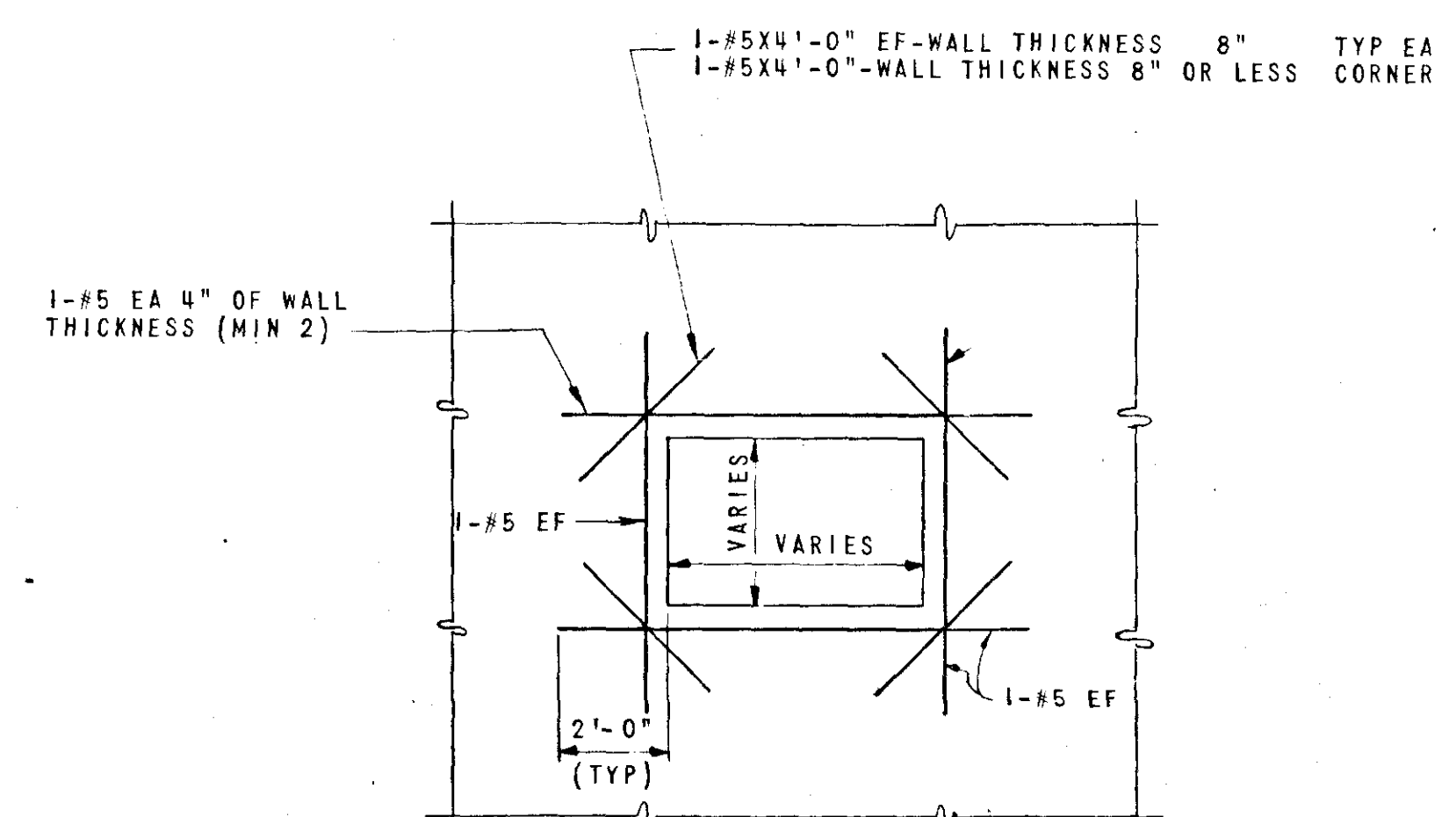


TYPICAL COLUMN TIES

NOTE: PROVIDE DOWELS IN WALLS OR SLABS TO MATCH COL REINF WHERE RUSTICATIONS OCCUR BELOW CON'S SET DOWELS 1/2" CLR FROM RECESSED CONC FACE.

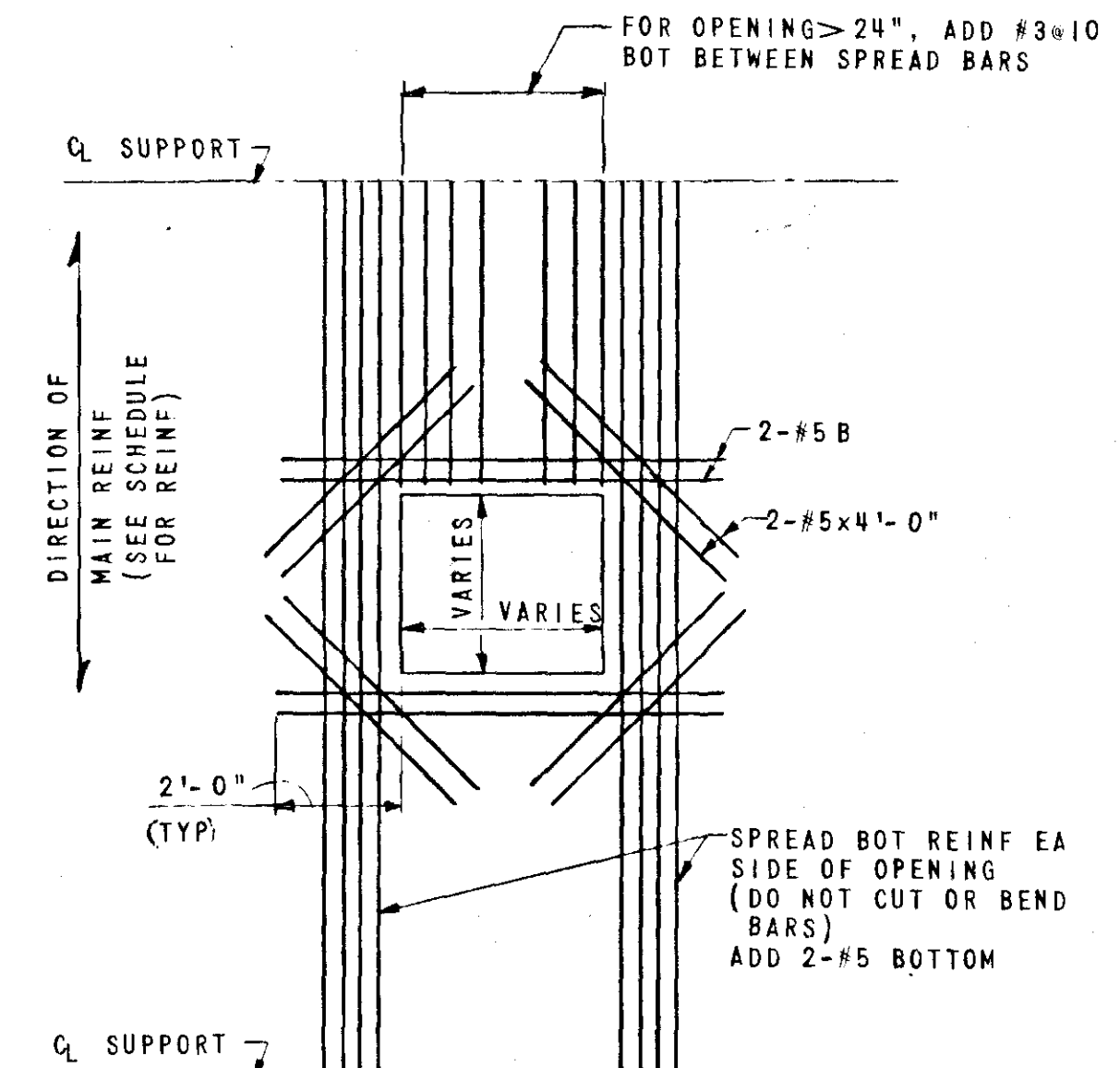
GENERAL NOTES:

- 1104.0 INDICATES ELEVATION OF TOP OF FOOTINGS. FOOTING ELEVATION SHOWN REPRESENTS THE MINIMUM DEPTH TO WHICH THE FOOTING SHALL BE CARRIED. FOOTINGS SHALL BE LOWERED AS REQUIRED TO OBTAIN SUITABLE BEARING. ALL UNSUITABLE FOUNDATION MATERIAL SHALL BE REMOVED AND FOOTINGS SHALL REST ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY OF 2000 PSF.
- WF-2 INDICATES WALL FOOTING TYPE.
- TO MINIMIZE WEATHERING, THE LAST 6 INCHES OF EXCAVATION FOR ALL FOOTINGS SHALL BE MADE IMMEDIATELY PRIOR TO THEIR PLACEMENT.
- UNLESS OTHERWISE SHOWN OR NOTED, PROVIDE CONCRETE PROTECTION FOR ALL REINFORCING IN ACCORDANCE WITH SECTION 808 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-63).
- UNLESS OTHERWISE SHOWN, REINFORCEMENT AT WALL CORNERS AND INTERSECTIONS SHALL BE IN ACCORDANCE WITH DETAILS SHOWN IN ACI STD 315-65.
- UNLESS OTHERWISE DETAILED, SPREAD REINF AT OPENINGS AND SLEEVES. DO NOT CUT REINFORCING BARS.
- REINFORCE ALL CONCRETE WALLS, NOT OTHERWISE SHOWN, AS FOLLOWS:
8" OR LESS #4@10 EW
12" #4@12 EW, EF
16" #4@10 EW, EF
- UNLESS OTHERWISE SHOWN, PROVIDE DOWELS TO MATCH VERTICAL BARS.
- PROVIDE 1" CHAMFER ON ALL EXPOSED CONCRETE EDGES.
- CONCRETE WALLS AND COLUMNS SHALL BE TEMPORARILY BRACED AGAINST EARTH PRESSURE, WIND AND OTHER FORCES UNTIL SLABS, BEAMS OR COLUMNS DESIGNED TO BRACE THE FINISHED STRUCTURE HAVE BEEN IN PLACE & HAVE ATTAINED REQUIRED CONCRETE ULTIMATE STRENGTHS.
- CONTRACTOR TO VERIFY SIZE AND LOCATION OF ALL OPENINGS, SLEEVES, ETC., WITH SHOP DRAWINGS FOR EQUIPMENT TO BE INSTALLED.
- SEE SPECIFICATIONS FOR SLABS ON GRADE.
- UNLESS OTHERWISE NOTED, DEPRESS ALL FLOOR SLABS WHERE QT FLOOR FINISH OCCURS. SEE ARCHITECTURAL DWGS FOR DETAILS.
- LIVE LOADS: ROOF 20 PSF
FLOORS AND WALKWAYS 100 PSF
CHEMICAL STORAGE 500 PSF
& CHLORINE RM 500 PSF



TYP REINFORCING @ OPENING IN WALL
NO SCALE

NOTE: REINF FOR CIRCULAR OPENINGS SIMILAR.



TYP REINF @ OPENING IN SLAB
NO SCALE

NOTE: REINF FOR CIRCULAR OPENINGS SIMILAR.

REVISION	DATE	DESCRIPTION	BY	APP
DESIGNED	10/29/70	WHA		
DRAWN	GWM			
CHECKED	10/29/70	WHA		
APPROVED				
SUBMITTED	10/29/70			
WATER FILTRATION PLANT				
CITY OF SALEM, VIRGINIA				
STRUCTURAL				
SCHEDULES, SECTIONS AND DETAILS				
HAYES, SEAY, MATTERN & MATTERN ARCHITECTS-ENGINEERS		SCALE AS NOTED		COMM. NO. 3627-A
ROANOKE, VIRGINIA		WASHINGTON, D. C.		DATE APRIL 1970 SHEET S-3