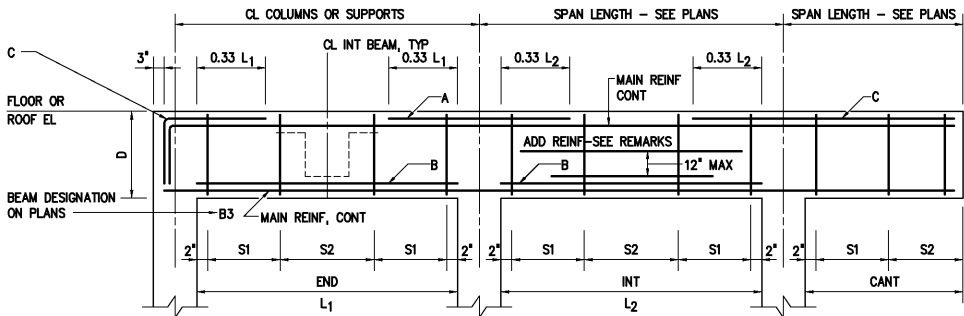


BEAM SCHEDULE												
MARK	SPAN TYPE	SIZE		TOP ELEV	No REQD	MAIN REINF		ADD REINF			STIRRUPS	REMARKS
		W	D			TOP	BOT	A	B	C		
B-1	END	12"	24"	917.00	2	3-#6	3-#6				#3@10"	
B-2	INT	12"	24"	917.00	1	3-#6	3-#6				#3@10"	
B-3	END	14"	24"	917.00	2	3-#6	3-#6				#3@10"	
B-4	INT	14"	24"	917.00	1	3-#6	3-#6				#3@10"	
B-5	SIMP	16"	24"	917.00	2	3-#6	3-#6				#3@10"	
B-6	END	18"	42"	917.00	2	3-#6	3-#6				#3@10"	PROVIDE 2-#6 ADD'L EA FACE, EQUALLY SPACED
B-7	SIMP	18"	42"	917.00	1	3-#6	3-#6				#3@10"	PROVIDE 2-#6 ADD'L EA FACE, EQUALLY SPACED
B-8	SIMP	18"	24"	917.00	7	3-#9	4-#9				#3@10"	
B-9	END	18"	24"	917.00	4	4-#9	4-#9				#3@10"	
B-10	INT	18"	24"	917.00	3	4-#9	4-#9				#3@10"	
B-11	SIMP	12"	24"	917.00	10	3-#5	3-#5				#3@10"	ADJUST WIDTH AS REQUIRED FOR SLIDE GATE OPENING
B-12	SIMP	26"	24"	917.00	2	3-#7	4-#7				#3@10"	
B-13	SIMP	12"	24"	917.00	1	3-#6	3-#6				#3@10"	
B-14	SIMP	14"	24"	917.00	1	3-#6	3-#7				#3@10"	
B-15	SIMP	18"	24"	917.00	1	3-#6	3-#7				#3@10"	
B-16	END	24"	30"	917.00	2	4-#7	4-#7				#3@10"	SEE INTERMEDIATE PLAN
B-17	SIMP	24"	30"	917.00	1	4-#7	4-#7				#3@10"	SEE INTERMEDIATE PLAN
B-18	SIMP	18"	30"	917.00	1	4-#9	5-#9				#3@6"	
B-19	END	18"	30"	917.00	2	4-#9	4-#9				#3@10"	
B-20	INT	18"	30"	917.00	1	4-#9	4-#9				#3@10"	
MB-1	END	18"	38"	921.50	2	3-#9	3-#9				#3@10"	PROVIDE 2-#6 ADD'L EA FACE, EQUALLY SPACED
MB-2	INT	18"	38"	921.50	1	3-#9	3-#9				#3@10"	PROVIDE 2-#6 ADD'L EA FACE, EQUALLY SPACED
MB-3	SIMP	18"	24"	921.50	5	3-#9	4-#9				#3@10"	
MB-4	SIMP	18"	24"	921.50	3	5-#9	4-#9				#3@6"	
MB-5	SIMP	18"	38"	921.50	1	3-#9	3-#9				#3@10"	PROVIDE 2-#6 ADD'L EA FACE, EQUALLY SPACED
RB-1	END	18"	24"	938.33	15	3-#9	3-#9				#3@10"	
RB-2	INT	18"	24"	938.33	10	3-#9	3-#9				#3@10"	
RB-3	INT	18"	24"	938.33	3	3-#9	3-#9	2-#9			#3@10"	PROVIDE A-BARS @ COLUMNS C-2, C-3 AND C-4
RB-4	END	18"	24"	938.33	3	3-#9	3-#9	2-#9			#3@10"	
RB-5	SIMP	18"	24"	938.33	4	3-#9	3-#9				#3@10"	
RB-6	SIMP	18"	24"	929.00	5	3-#9	3-#9				#3@10"	
RB-7	END	32"	24"	929.00	2	5-#9	5-#9				#3@10"	
RB-8	INT	32"	24"	929.00	2	5-#9	5-#9				#3@10"	
RB-9	END	18"	24"	929.00	2	3-#9	3-#9				#3@10"	
RB-10	INT	18"	24"	929.00	2	3-#9	3-#9				#3@10"	

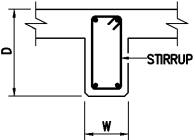
COLUMN SCHEDULE										
DESIGNATION	ELEVATION	A-1 A-2 A-3 A-4	A-5 B-5 D-5 F-5 G-5	A-6 B-6 D-6 F-6 G-6	C-1	C-2 C-3 C-4	E-1	F-2 E-3 E-4	G-1	G-2 G-3 G-4
	EL 938.33									
	EL 929.00	SIZE VERT BARS TIES TYPE	18"x18" 8-#9 #3@10" I							
	EL 921.50	SIZE VERT BARS TIES TYPE					18"x18" 8-#9 #3@10" I	18"x18" 8-#9 #3@10" I	18"x18" 8-#9 #3@10" I	18"x18" 8-#9 #3@10" I
	EL 917.00	SIZE VERT BARS TIES TYPE	18"x18" 8-#9 #3@10" I	18"x18" 8-#9 #3@10" I	18"x18" 8-#9 #3@10" I	18"x18" 8-#9 #3@10" I	18"x18" 8-#9 #3@10" II (SIM)	18"x18" 8-#9 #3@10" II		
	EL 908.50	SIZE VERT BARS TIES TYPE	18"x18" 8-#9 #3@10" II		18"x18" 8-#9 #3@10" III					
	EL 905.00	SIZE VERT BARS TIES TYPE					18"x18" 8-#9 #3@10" V	18"x18" 8-#9 #3@10" I	18"x18" 8-#9 #3@10" V (SIM)	18"x18" 8-#9 #3@10" VI
	EL 901.00	SIZE VERT BARS TIES TYPE					18"x18" 8-#9 #3@10" VII (SIM)		18"x18" 8-#9 #3@10" VII (SIM)	18"x18" 8-#9 #3@10" VII
	DOWELS		8-#9	8-#9	8-#9	8-#9	8-#9	8-#9	8-#9	8-#9

NOTES: 1 SEE STANDARD DETAIL 0331800 FOR TYPICAL COLUMN ELEVATION.
2 SEE DETAIL 30/S132 FOR COLUMN TYPES.



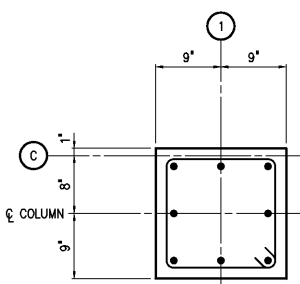
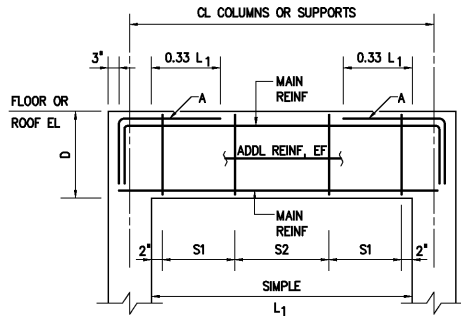
NOTES: 1 WHERE BEAMS FRAME INTO CONCRETE WALLS, WALLS SHALL BE BLOCKED OUT FULL HEIGHT AND WIDTH OF BEAM TO PROVIDE A MINIMUM 8" SEAT FOR BEAM BEARING. WALL REINFORCEMENT SHALL NOT BE INTERRUPTED THROUGH BLOCKOUT.

2 S1 = 2x"D" FOR STIRRUP SPACING SEE BEAM SCHEDULE

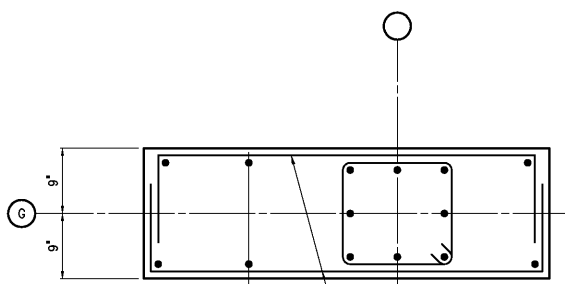


TYPICAL BEAM SECTION

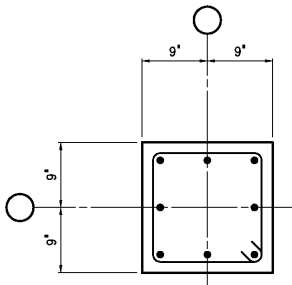
TYPICAL BEAM ELEVATIONS



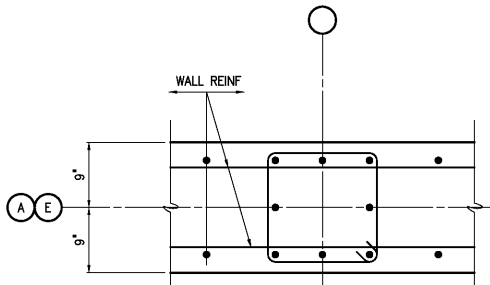
TYPE IV



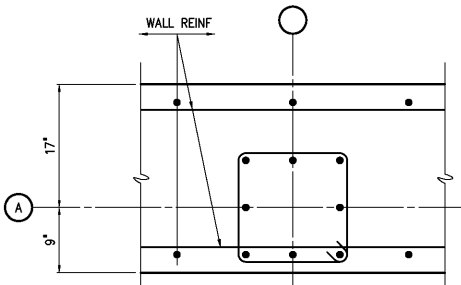
TYPE VI



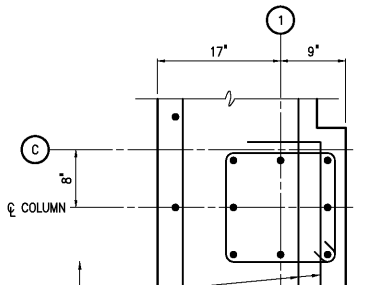
TYPE I



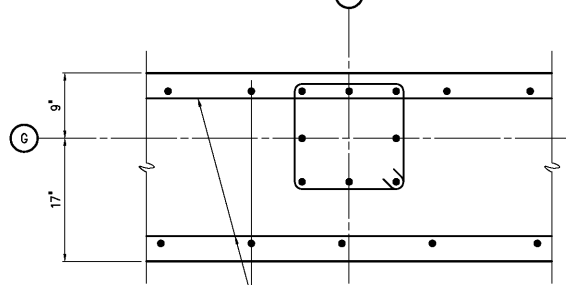
TYPE II



TYPE II



TYPE III

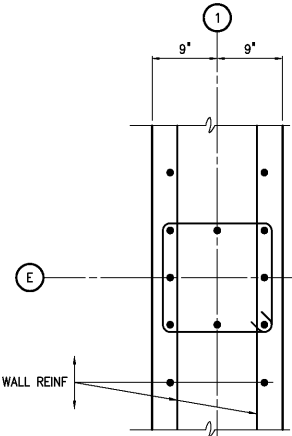


TYPE VII

COLUMN TYPES

DETAIL	30
1"=1'-0"	S132

NOTES:



TYPE V

DESIGNED	WGL
DRAWN	WGL
CHECKED	
PROJ. ENGR.	DAN
APPROVED	
NO.	

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CITY OF ROANOKE
VIRGINIA

REGIONAL WATER POLLUTION CONTROL PLANT
WET WEATHER IMPROVEMENTS

PRELIMINARY TREATMENT FACILITIES
STRUCTURAL
BEAM AND COLUMN SCHEDULES

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.	DATE	JULY 2003
	H & S JOB NUMBER	30788A
	CONTRACT NUMBER	A
	DRAWING NUMBER	S132