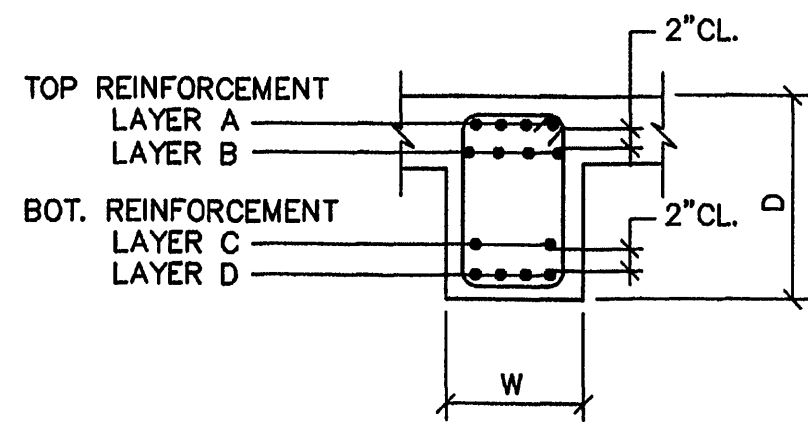


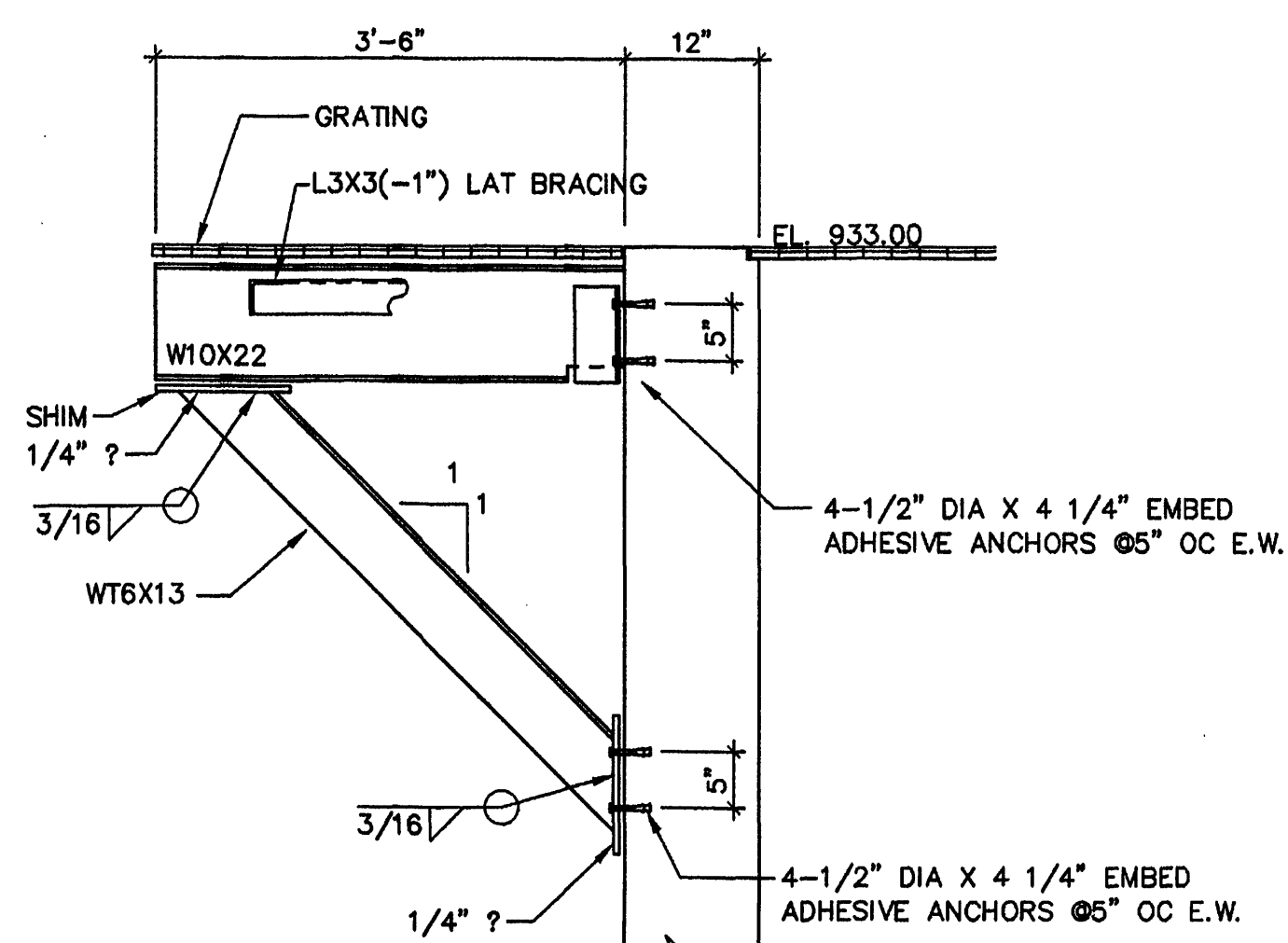
BEAM SCHEDULE											
MARK	SPAN DIREC- TION	S I Z E		R E I N F O R C I N G					S T I R R U P S		R E M A R K S
				TOP			BOTTOM		SIZE	SPACING EA. END 1 @ 2" BALANCE SEE BELOW	
		b	D	N OR W ADD'L	CONT.	S OR E ADD'L	FULL LENGTH	ADD'L			
BIOLOGICAL AERATED FILTER											
GB-1	N-S	16	36	-	3-#7	-	3-#7	-	#4	Ø12"	
GB-2	N-S	16	36	-	3-#7	2-#6	3-#7	-	#4	Ø12"	
GB-3	N-S	16	36	**	3-#7	-	3-#7	2-#5	#4	Ø12"	
GB-4	W-E	18	42	-	3-#9	2-#9	3-#8	2-#7	#4	Ø12"(WEST END) 7Ø6", BAL Ø12" (EAST END)	
GB-5	W-E	18	42	**	3-#9	2-#9	3-#8	2-#7	#4	5Ø6", 7Ø6", BAL Ø12" (WEST END) 7Ø6", BAL Ø12" (EAST END)	
GB-6	W-E	18	42	**	3-#9	-	3-#8	2-#6	#4	7Ø6", BAL Ø12" (WEST END) Ø12" (EAST END)	
GB-7	W-E	18	42	-	3-#9	2-#9 (A) 2-#6 (B)	3-#8	2-#6	#4	Ø12" (WEST END) 7Ø6", BAL Ø12" (EAST END)	
GB-8	W-E	18	42	**	3-#9	2-#9 (A) 2-#6 (B)	3-#8	2-#9	#4	7Ø4", 6Ø6", 3Ø9", BAL Ø12" (WEST END) 7Ø6", BAL Ø12" (EAST END)	
GB-9	W-E	18	42	**	3-#9	-	3-#8	2-#6	#4	7Ø6", BAL Ø12" (WEST END) Ø12" (EAST END)	
GB-10	N-S	16	32	-	2-#8	-	2-#8	2-#8	#4	Ø12"	
PLANT INFLUENT PUMP STATION											
B-1	N-S	24	28	-	-	-	-	-	#4	Ø12"	
B-2	E-W	24	40	-	-	-	-	-	#4	Ø12"	



GENERAL NOTE:

NOT ALL BAF EQUIPMENT, PIPING, VALVES AND APPURTENANCES ARE SHOWN. SEE SPECIFICATIONS AND BAF MANUFACTURER'S SHOP DRAWINGS FOR ADDITIONAL ITEMS AND SCOPE OF EQUIPMENT, PIPING, VALVES AND APPURTENANCES SUPPLIED TO THE CONTRACTOR BY THE BAF MANUFACTURER.

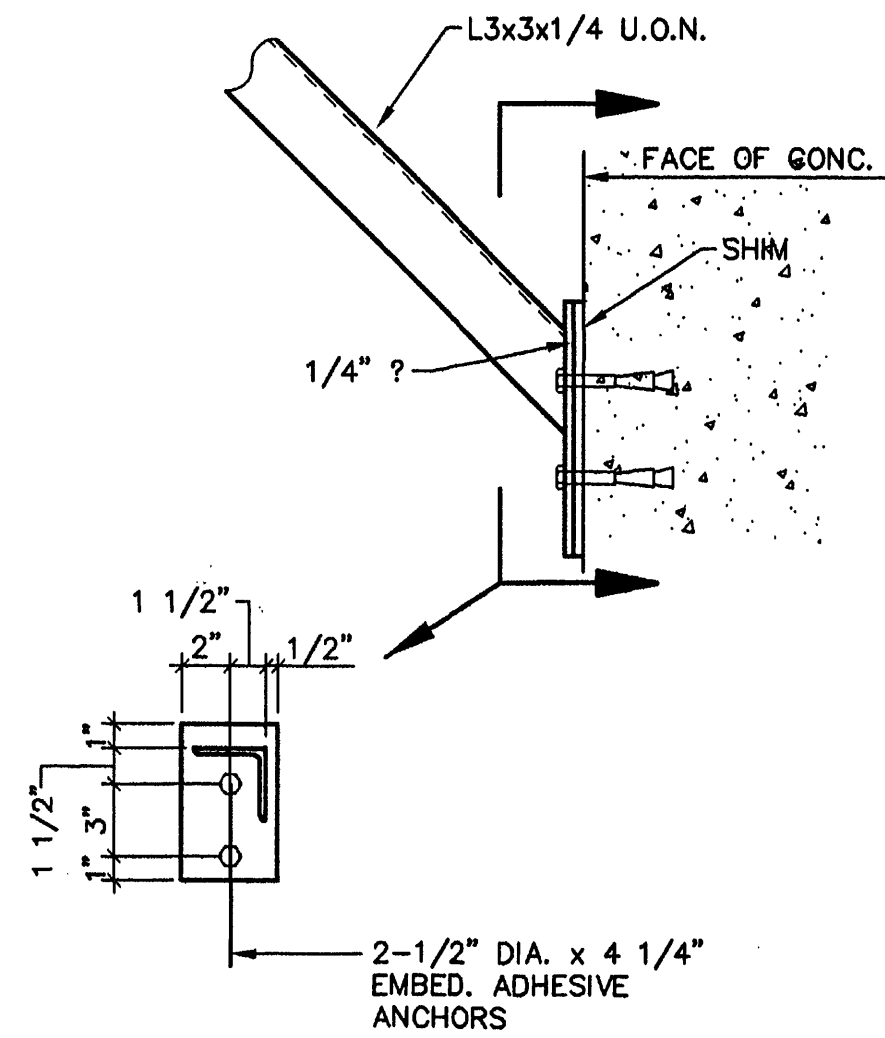
- NOTES:
1. REINFORCEMENT DENOTED THUS (-) INDICATES NO ADDITIONAL REINFORCEMENT IS REQUIRED.
 2. REINFORCEMENT DENOTED THUS (**) INDICATES THE ADDITIONAL REINFORCEMENT FROM ADJACENT BEAM IS CARRIED THROUGH.
 3. UNLESS OTHERWISE NOTED, REINFORCING STEEL IS IN LAYERS (A) & (D).
 4. REINFORCEMENT SHOWN THUS:
 - a) 2-#9 (A) INDICATES REINFORCEMENT IN LAYER (A)
 - b) 2-#9 (B) INDICATES REINFORCEMENT IN LAYER (B)
 5. FOR GENERAL CONCRETE NOTES SEE SHEET S-
 6. FOR TYPICAL BEAM DETAIL SEE SHEET S-



BRACKET DETAIL

3/4" = 1'-0"

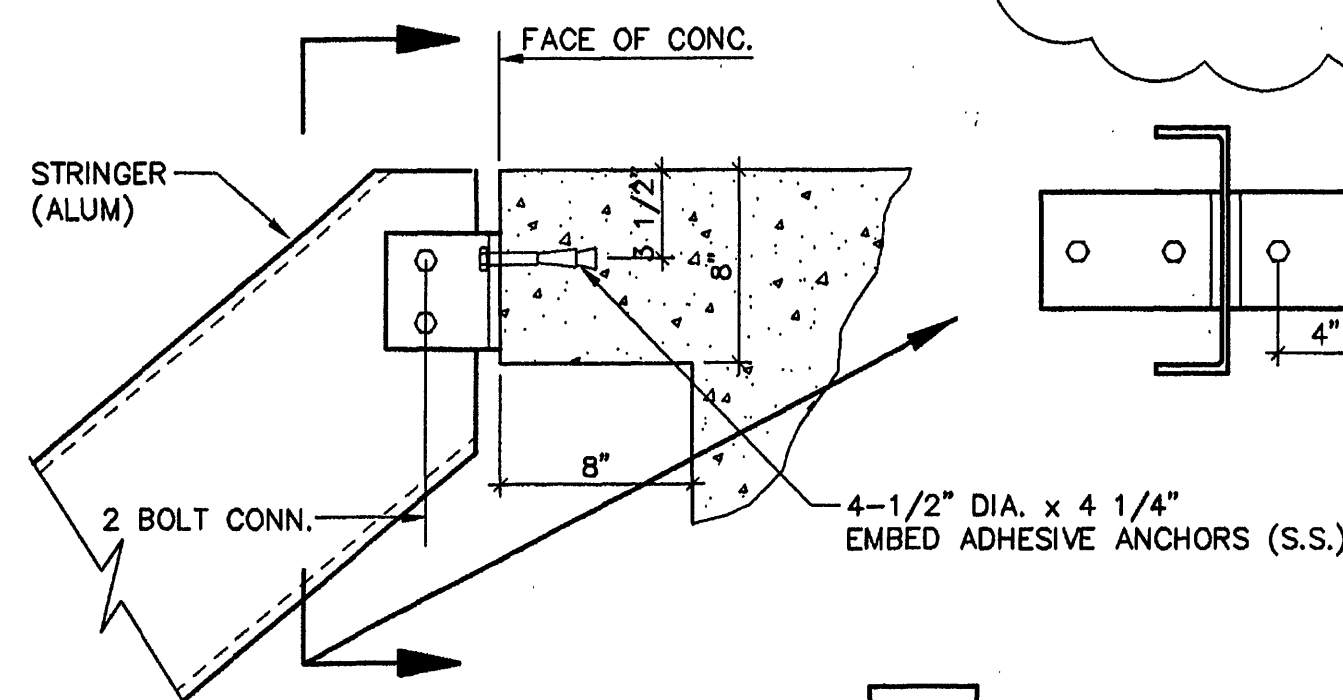
1
4 18



DETAIL

1 1/2" = 1'-0"

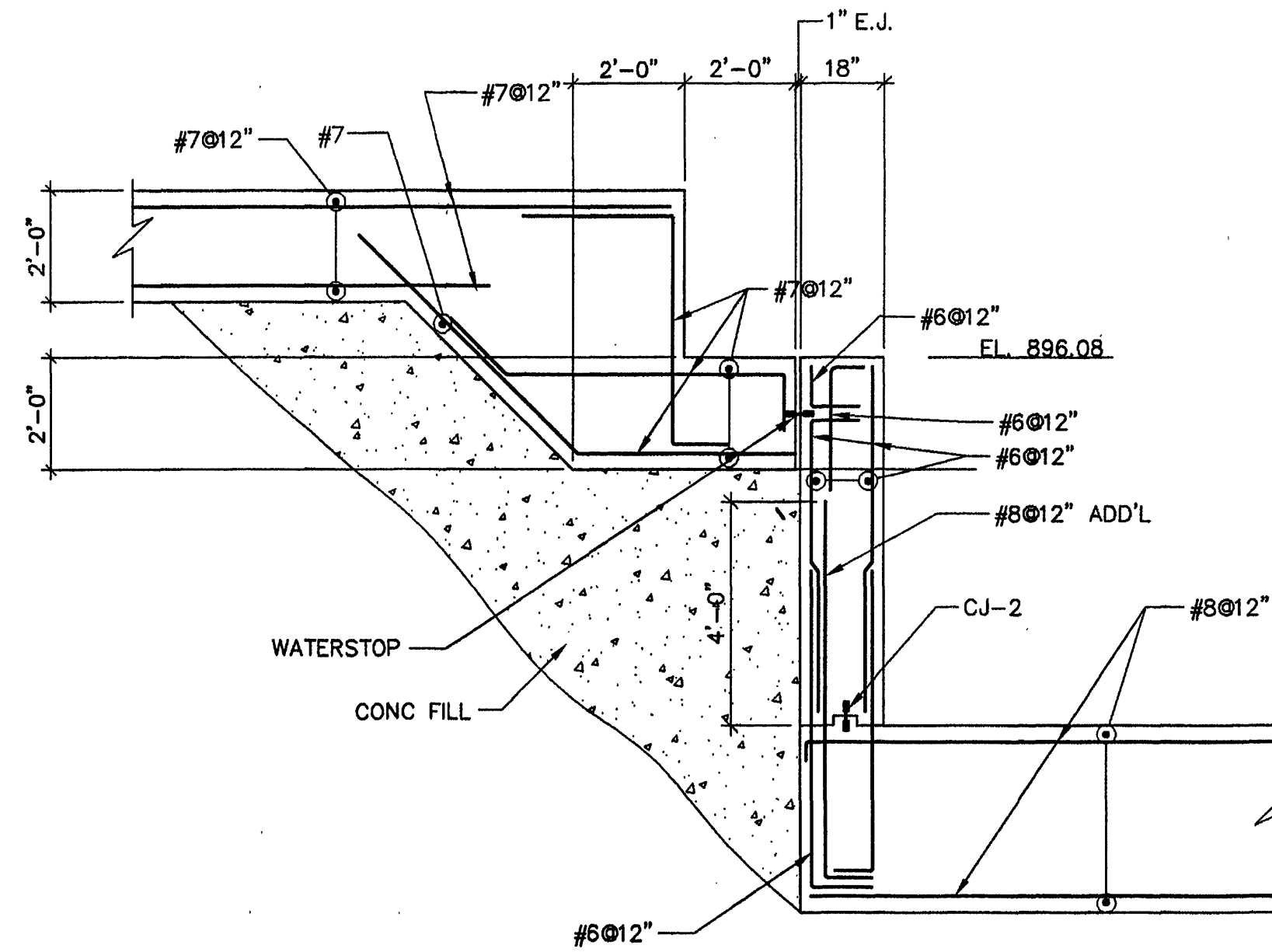
2
4 18



DETAIL

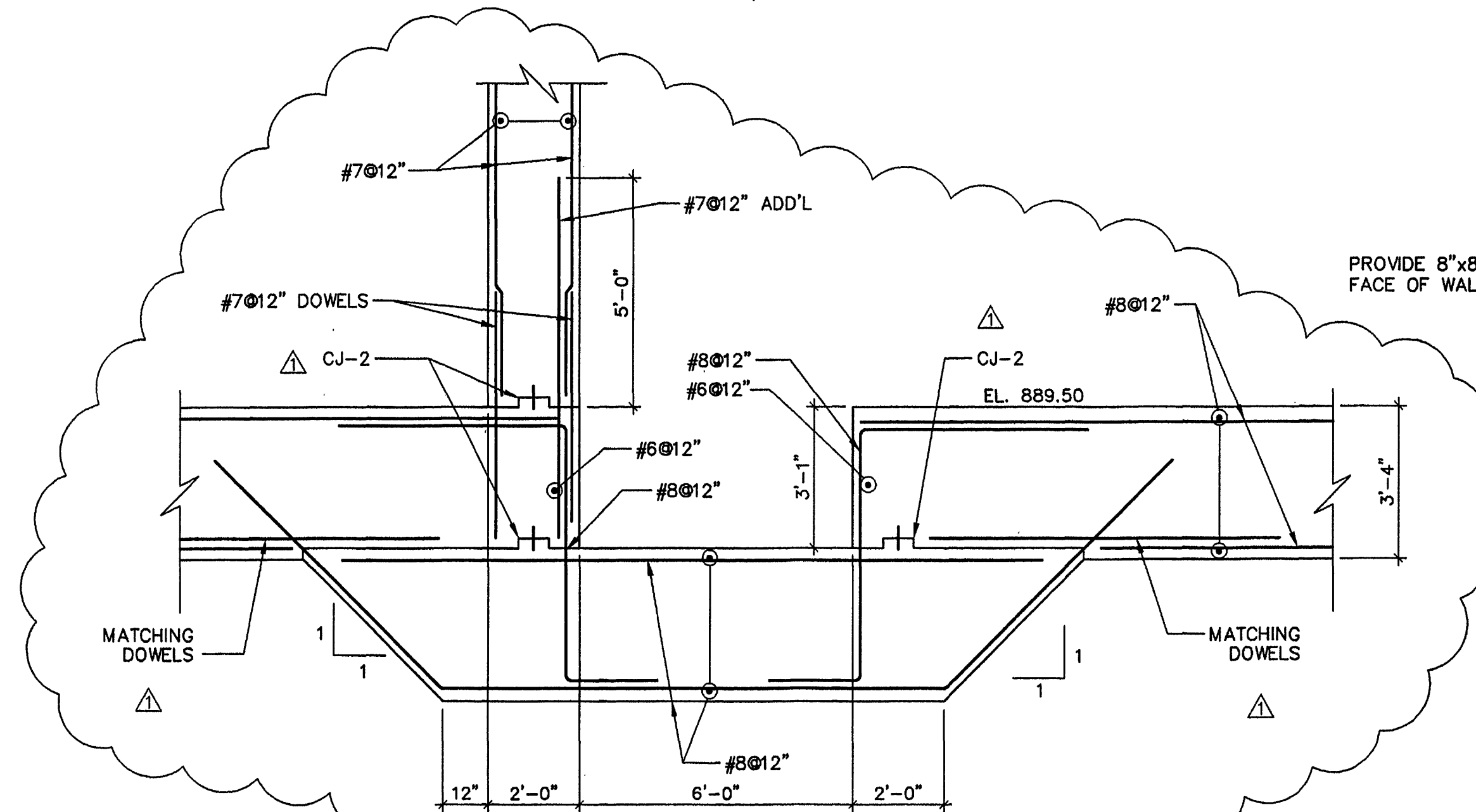
1 1/2" = 1'-0"

1
5 18



SECTION 1

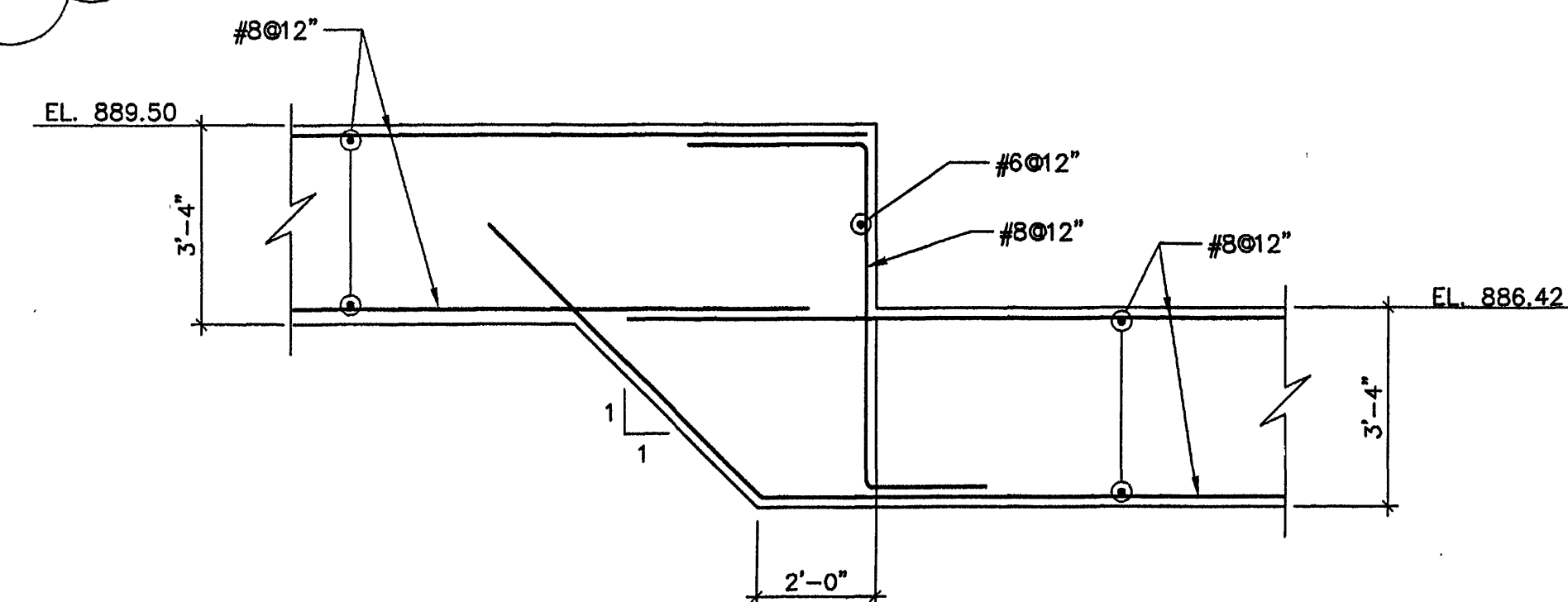
3/8" = 1'-0"



SECTION 3

3/8" = 1'-0"

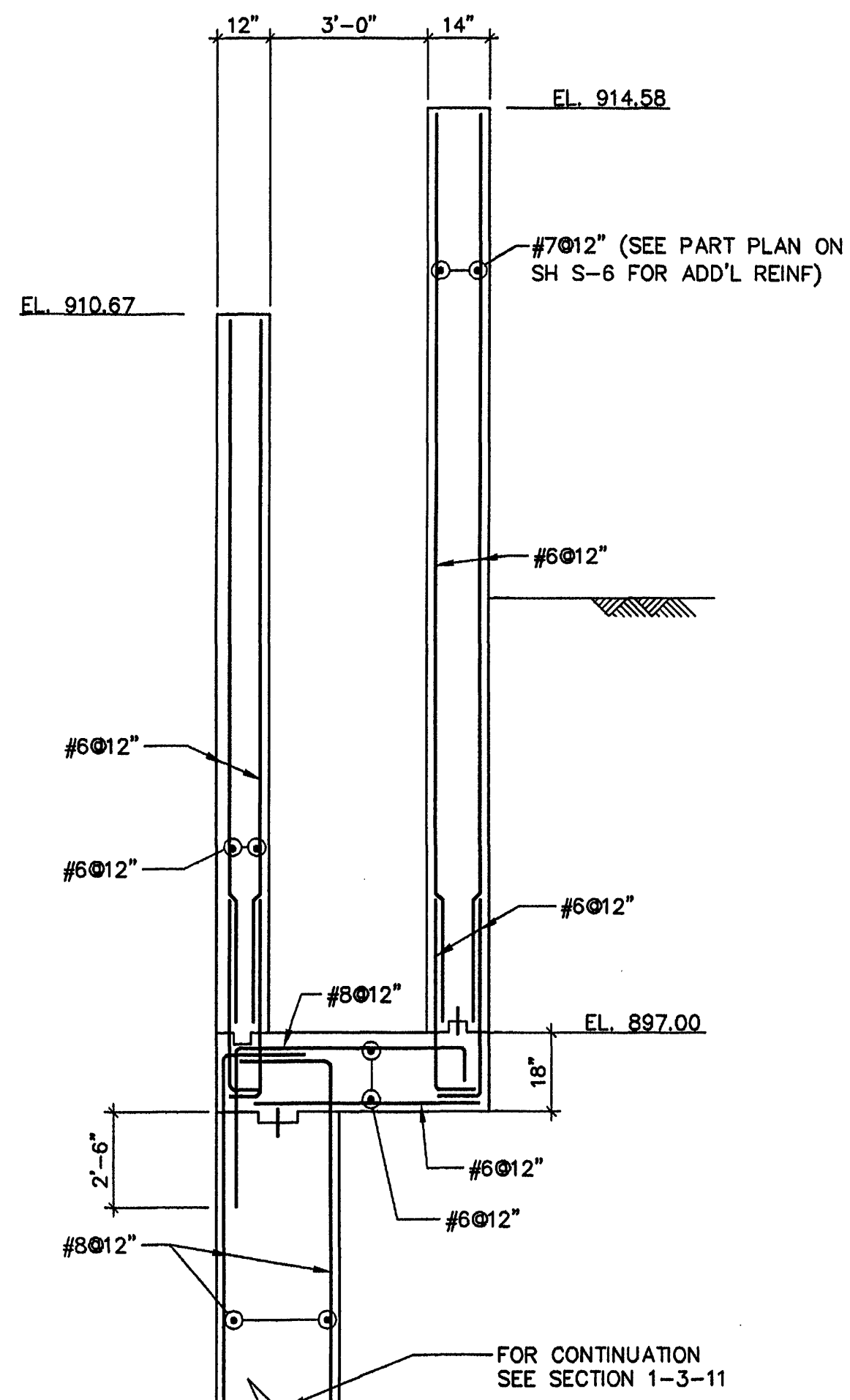
REVISED PER RFI 2
10/20/97



SECTION 2

3/8" = 1'-0"

2
3 18



SECTION 1

3/8" = 1'-0"

PROVIDE 8"x8" PROJECTION AND BRICK SUPPORT CORBEL ON OUTSIDE FACE OF WALL. SEE SECTION 1-14-17.

**MALCOLM
PIRNIE**

11832 Rock Landing Drive, Suite 400
Newport News, Virginia 23606

REVISIONS				REMARKS
NO.	BY	DATE	REVISIONS	
1	ARB	JAN. 2000	RECORD DRAWING	

DES - MZ
DWN - MZ
CKD - DB



CITY OF ROANOKE, VIRGINIA
WATER POLLUTION
CONTROL PLANT
UPGRADE AND EXPANSION

BIOLOGICAL AERATED FILTER & PLANT INFLUENT PUMP STA.
BEAM SCHEDULE & SECTIONS

SCALE AS NOTED

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DATE MAY 1997
SHEET 18 OF 44
CAD REF. NO. 00600S378