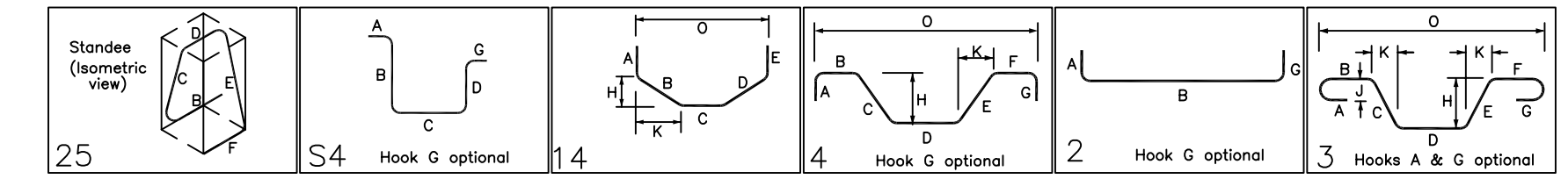
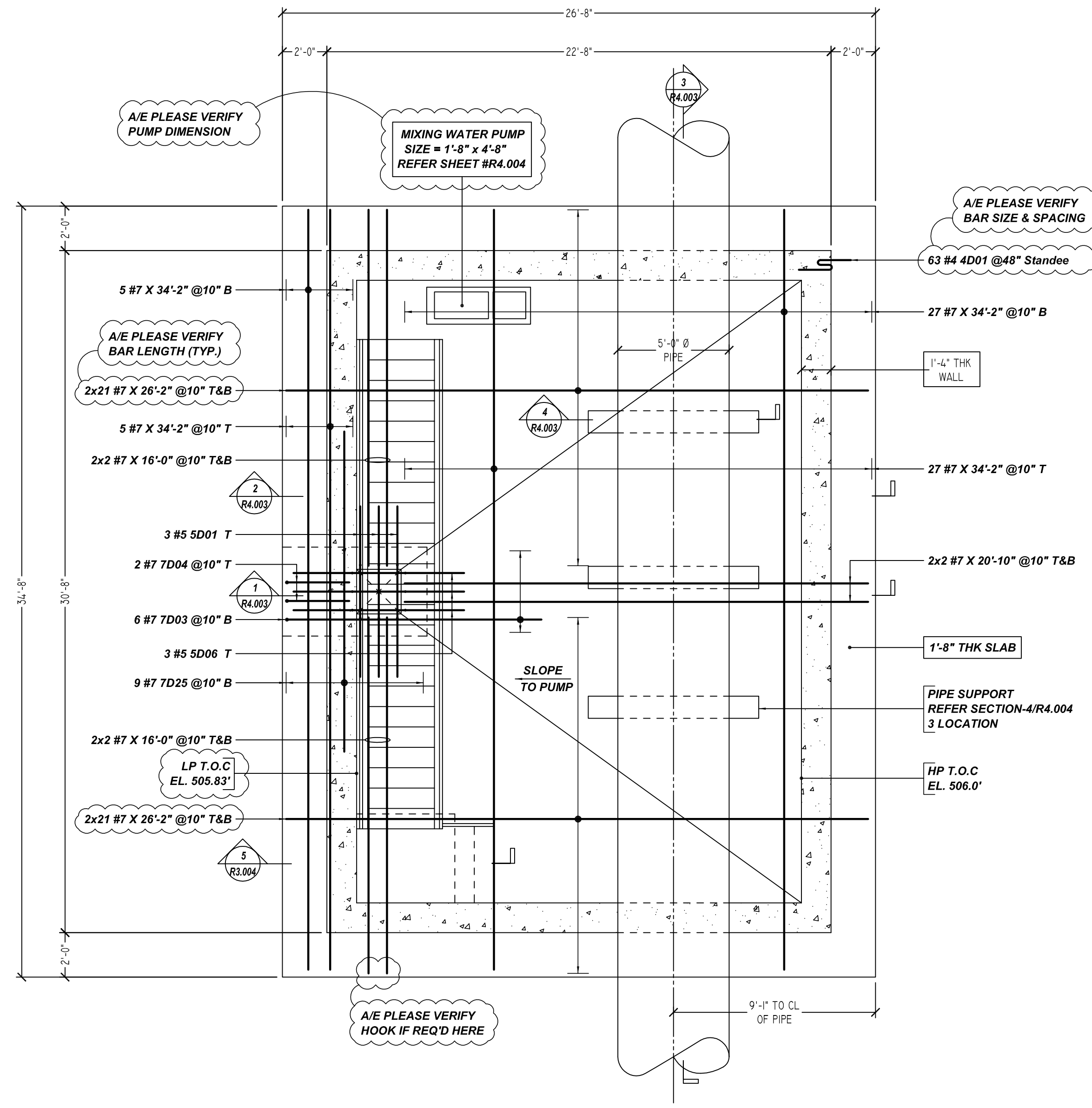


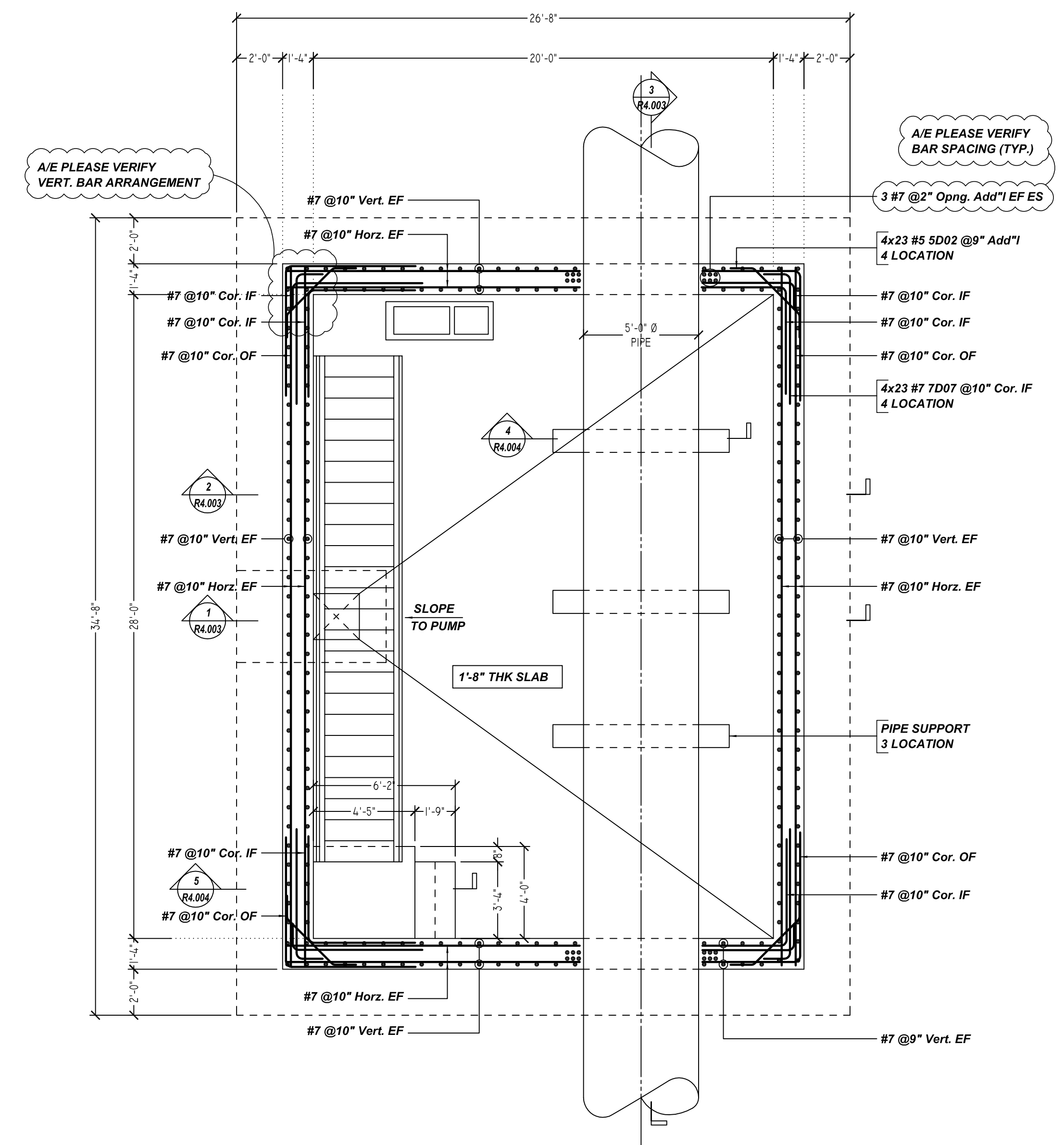
Release Number: R4.001				BENDING DETAILS												
Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	X''	Y''	Z''	X'''	Y'''	Z'''	X''''	Y''''	Z''''
4001	63	#4	5'-7 1/2"	25		1'-6"	0'-11 1/2"	0'-8"	0'-11 1/2"	1'-6"		0'-11 1/2"		0'-5 1/2"		
5001	3	#5	10'-10 1/2"	S4	2'-8"	1'-6 1/2"	2'-5 1/2"	1'-6 1/2"			2'-8"					
5002	92	#5	4'-10 1/2"	14	1'-0"	2'-10 1/2"	1'-0"							2'-0 1/2"	2'-0 1/2"	3'-0 1/2"
5006	3	#5	10'-9 1/2"	S4	2'-8"	1'-6 1/2"	2'-5 1/2"	1'-6 1/2"			2'-8"					
7003	6	#7	15'-3 1/2"	4	1'-2"	6'-1 1/2"	2'-6"	3'-5"						1'-8 1/2"	1'-9 1/2"	11'-5 1/2"
7004	2	#7	6'-0"	2	1'-2"	2'-10 1/2"										
7007	92	#7	6'-10 1/2"	2	1'-2"	5'-8"								1'-8 1/2"	1'-7 1/2"	14'-4 1/2"
7005	9	#7	15'-10 1/2"	3	3'-6"	2'-4 1/2"	4'-1 1/2"	2'-4 1/2"	3'-6"					1'-8 1/2"	1'-7 1/2"	14'-4 1/2"



ALL BARS IN THIS DRAWING  
ASTM A615 GRADE 60  
BLACK UNCOATED



(1'-8" THK MAT TOP & BOTTOM BAR ARRANGEMENT)



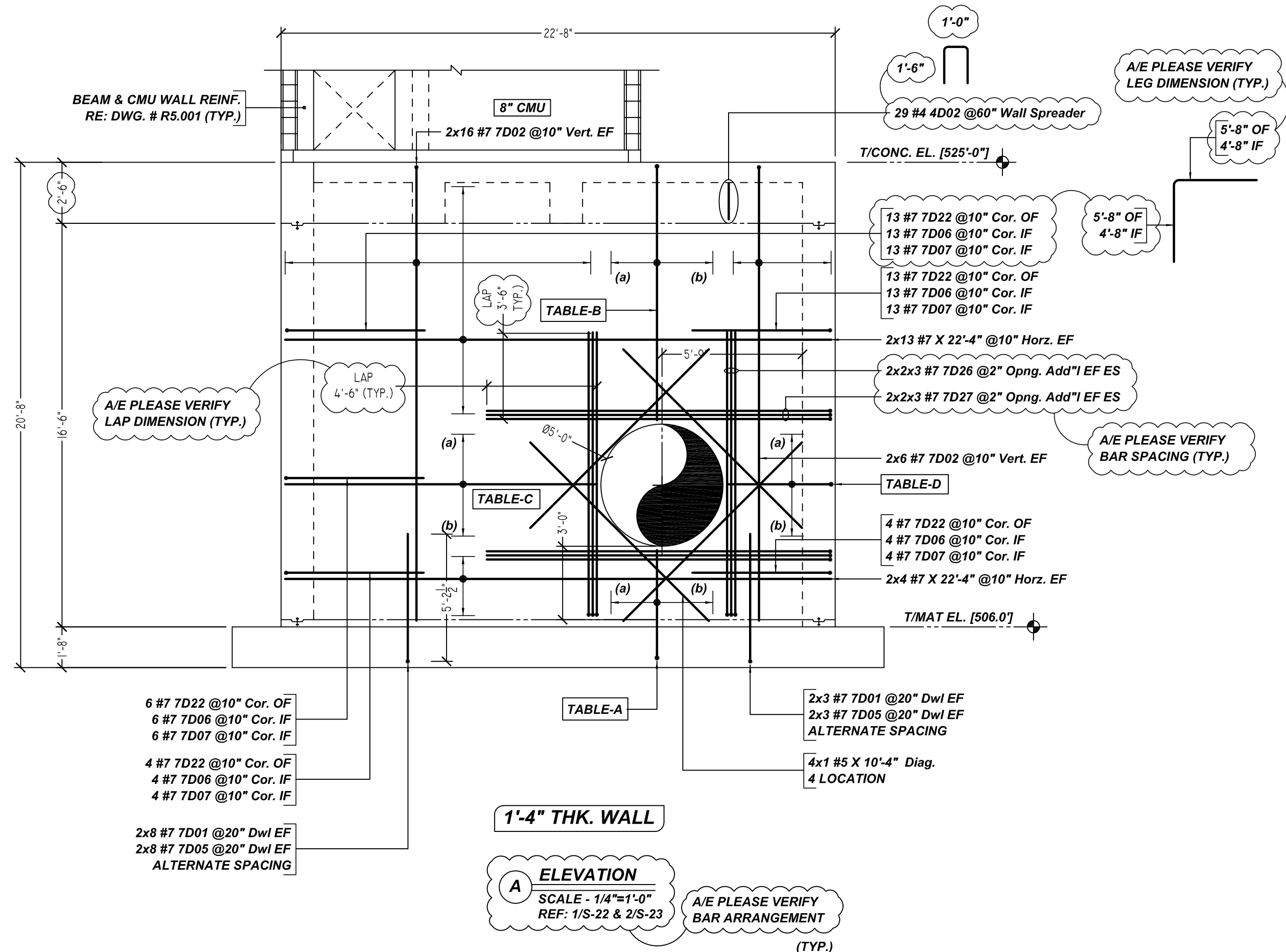
(WALL CORNER BAR ARRANGEMENT)

60" EFFLUENT METER VAULT FOUNDATION REINFORCEMENT DETAILS

SCALE - 1/4"=1'-0"  
REF-S-22

SUBMITTAL RECORD		PROJECT INFORMATION	
DATE: 10/05/2021	FOR: APPROVAL	CUSTOMER: WWH CONSTRUCTORS	JOB #: S43
DATE: -	FOR: -	JOB NAME: WULF WTP IMPROVEMENTS	DETAILER: BCS
DATE: -	FOR: -	LOCATION: WULF, TX	PHONE: -
DATE: -	FOR: -	DESCRIPTION: 60" EFFLUENT METER VAULT FOUNDATION REINFORCEMENT DETAILS	

R4.001



1'-4" THK. WALL

**A ELEVATION**  
SCALE - 1/4"=1'-0"  
REF: 1/S-22 & 2/S-23  
A/E PLEASE VERIFY BAR ARRANGEMENT (TYP.)

**TABLE-A**

2x1 #7 7D08 @10" D/V EF (a)  
2x1 #7 7D09 @10" D/V EF  
2x1 #7 7D10 @10" D/V EF  
2x1 #7 7D09 @10" D/V EF  
2x1 #7 7D08 @10" D/V EF (b)

**TABLE-C**

2x1 #7 X 13'-9" @10" Horz. EF (a)  
2x1 #7 X 13'-0" @10" Horz. EF  
2x1 #7 X 12'-9" @10" Horz. EF  
2x1 #7 X 12'-9" @10" Horz. EF  
2x1 #7 X 13'-0" @10" Horz. EF  
2x1 #7 X 13'-9" @10" Horz. EF (b)

**TABLE-B**

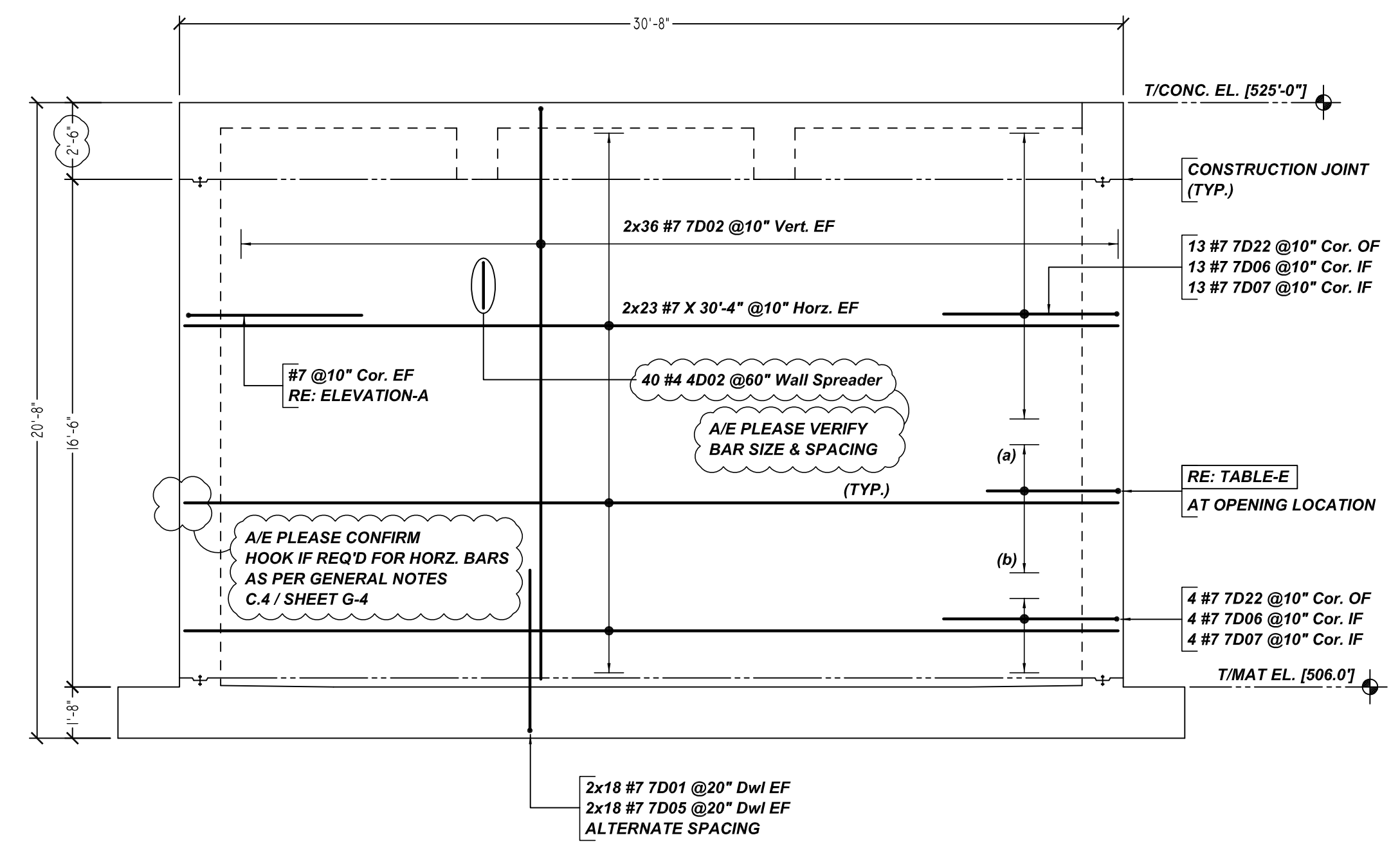
2x1 #7 7D14 @10" Vert. EF (a)  
2x1 #7 7D13 @10" Vert. EF  
2x1 #7 7D15 @10" Vert. EF  
2x1 #7 7D15 @10" Vert. EF  
2x1 #7 7D13 @10" Vert. EF  
2x1 #7 7D14 @10" Vert. EF (b)

**TABLE-D**

1 #7 7D11 @10" Cor. OF (a) 1 #7 7D20 @10" Cor. OF  
1 #7 7D12 @10" Cor. IF 1 #7 7D21 @10" Cor. IF  
1 #7 7D01 @10" Cor. IF 1 #7 7D19 @10" Cor. IF

1 #7 7D17 @10" Cor. OF 1 #7 7D17 @10" Cor. OF  
1 #7 7D18 @10" Cor. IF 1 #7 7D18 @10" Cor. IF  
1 #7 7D16 @10" Cor. IF 1 #7 7D16 @10" Cor. IF

1 #7 7D20 @10" Cor. OF 1 #7 7D11 @10" Cor. OF  
1 #7 7D21 @10" Cor. IF 1 #7 7D12 @10" Cor. IF  
1 #7 7D19 @10" Cor. IF 1 #7 7D01 @10" Cor. IF (b)



1'-4" THK. WALL

**B ELEVATION**  
SCALE - 1/4"=1'-0"  
REF: 1/S-22 & 1/S-23  
A/E PLEASE CONFIRM HOOK IF REQ'D FOR HORZ. BARS AS PER GENERAL NOTES C.4 / SHEET G-4

**TABLE-E**

1 #7 7D11 @10" Cor. OF (a)  
1 #7 7D12 @10" Cor. IF  
1 #7 7D01 @10" Cor. IF

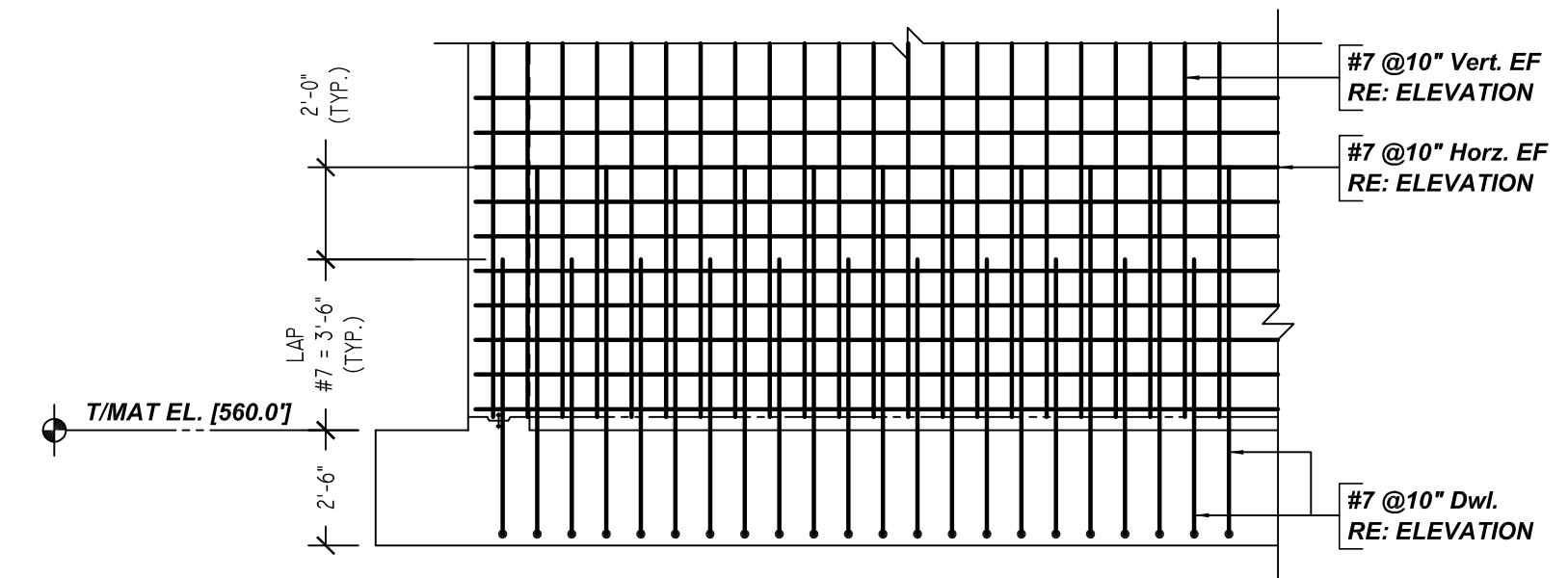
1 #7 7D17 @10" Cor. OF  
1 #7 7D18 @10" Cor. IF  
1 #7 7D16 @10" Cor. IF

1 #7 7D20 @10" Cor. OF  
1 #7 7D21 @10" Cor. IF  
1 #7 7D19 @10" Cor. IF

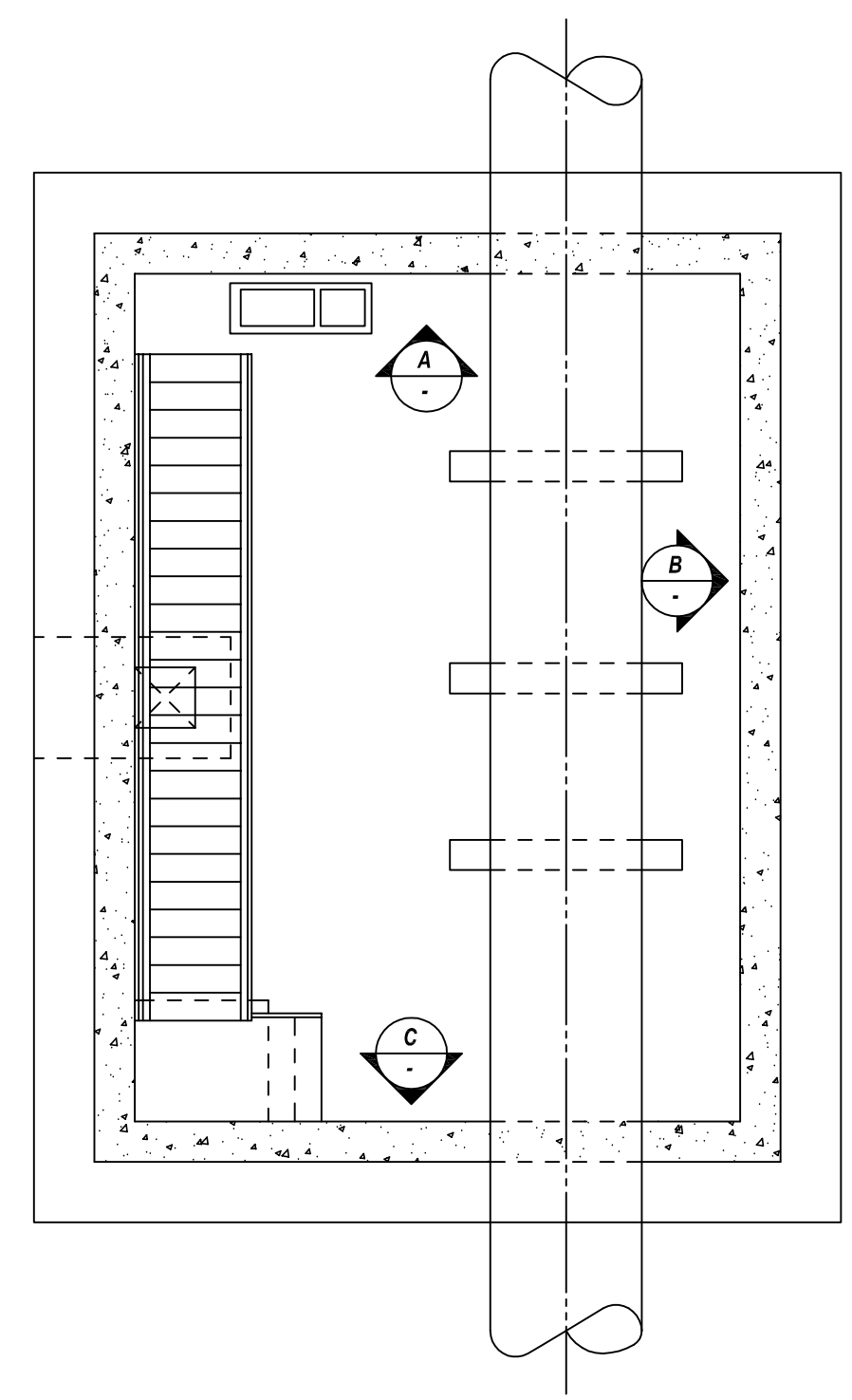
1 #7 7D20 @10" Cor. OF  
1 #7 7D21 @10" Cor. IF  
1 #7 7D19 @10" Cor. IF

1 #7 7D17 @10" Cor. OF  
1 #7 7D18 @10" Cor. IF  
1 #7 7D16 @10" Cor. IF

1 #7 7D11 @10" Cor. OF  
1 #7 7D12 @10" Cor. IF  
1 #7 7D01 @10" Cor. IF (b)



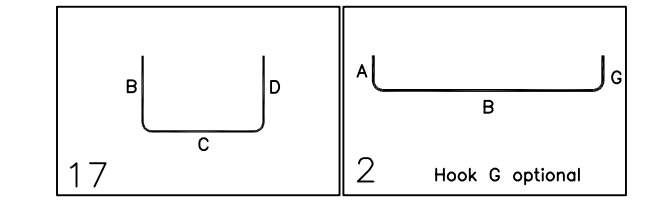
**TYPICAL WALL DWL BAR ARRANGEMENT**  
SCALE - 1/4"=1'-0"  
REF: 6/S-24



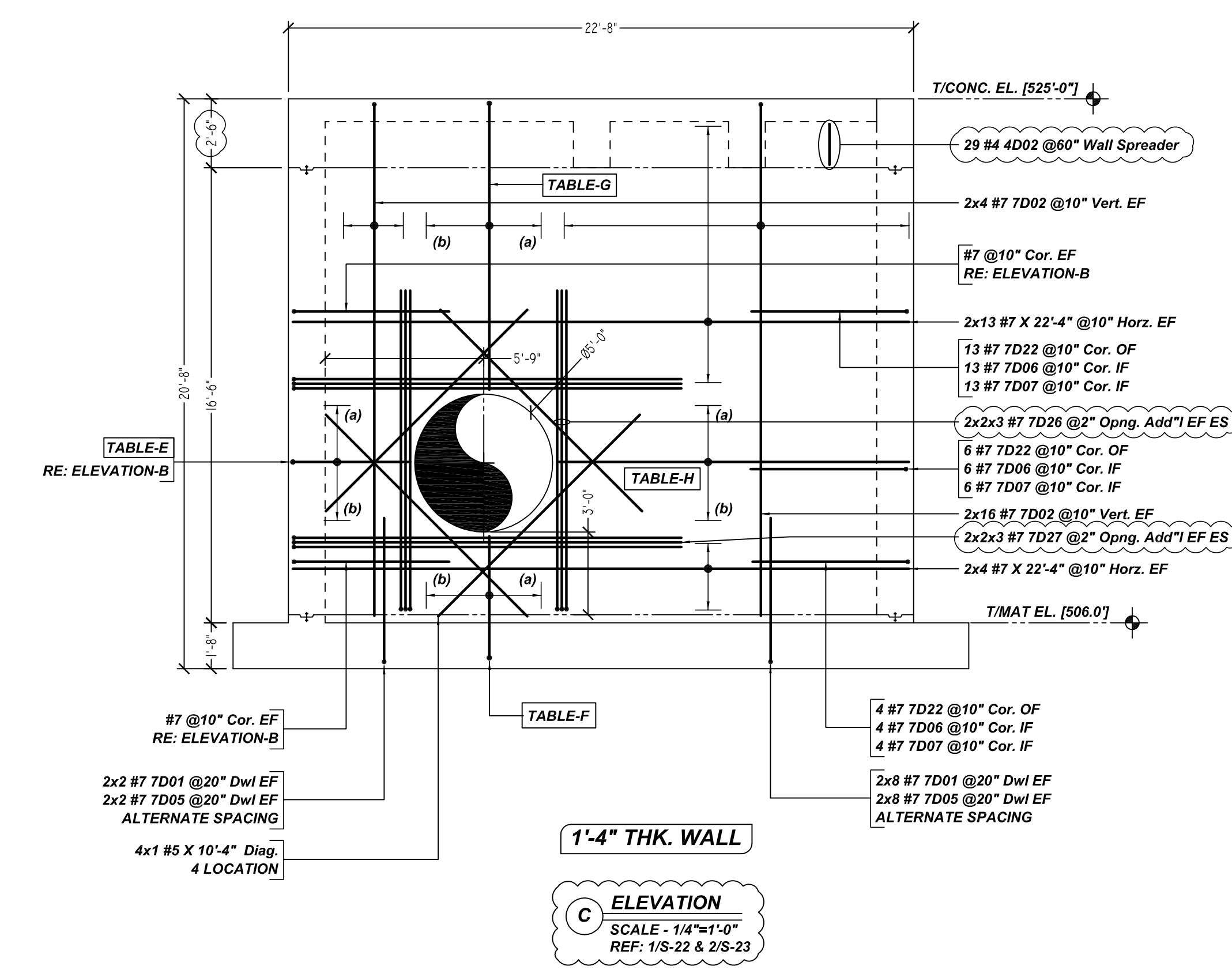
**KEY PLAN**  
SCALE - 1/6"=1'-0"  
REF: S-22

Release Number: R4.002

Bar Mark	Qty	Size	Total Length	Type	X	Y	Z	BENDING DETAILS									
								1	2	3	4	5	6	7	8	9	10
4002	98	#4	4'-0"	17				1'-8"	1'-0"	1'-8"							
7001	82	#7	6'-5"	2	1'-2"	5'-3"											
7002	156	#7	19'-9"	2	1'-2"	18'-7"											
7005	78	#7	8'-5"	2	1'-2"	7'-3"											
7006	80	#7	9'-4"	17		4'-8"											
7007	80	#7	6'-0"	2	1'-2"	5'-8"											
7008	8	#7	6'-8"	2	1'-2"	5'-4"											
7009	8	#7	5'-10"	2	1'-2"	4'-8"											
7010	8	#7	5'-7"	2	1'-2"	4'-5"											
7011	4	#7	10'-11"	17		5'-3"	5'-8"										
7012	4	#7	8'-11"	17		4'-3"	4'-8"										
7013	8	#7	11'-10"	2	1'-2"	10'-8"											
7014	8	#7	12'-8"	2	1'-2"	11'-4"											
7015	8	#7	11'-7"	2	1'-2"	10'-5"											
7016	4	#7	5'-9"	2	1'-2"	4'-7"											
7017	4	#7	10'-2"	17		4'-6"	5'-8"										
7018	4	#7	8'-3"	17		3'-7"	4'-8"										
7019	4	#7	5'-8"	2	1'-2"	4'-4"											
7020	4	#7	10'-9"	17		4'-4"	5'-8"										
7021	4	#7	8'-0"	17		3'-4"	4'-8"										
7022	80	#7	11'-4"	17		5'-8"	5'-8"										
7026	24	#7	12'-9"	2	1'-2"	11'-7"											
7027	24	#7	15'-3"	2	1'-2"	14'-11"											



ALL BARS IN THIS DRAWING  
ASTM A615 GRADE 60  
BLACK UNCOATED



1'-4" THK. WALL

**C ELEVATION**  
SCALE - 1/4"=1'-0"  
REF: 1/S-22 & 2/S-23

**TABLE-F**

2x1 #7 7D08 @10" D/V EF (a)  
2x1 #7 7D09 @10" D/V EF  
2x1 #7 7D10 @10" D/V EF  
2x1 #7 7D10 @10" D/V EF  
2x1 #7 7D09 @10" D/V EF  
2x1 #7 7D08 @10" D/V EF (b)

**TABLE-G**

2x1 #7 7D14 @10" Vert. EF (a)  
2x1 #7 7D13 @10" Vert. EF  
2x1 #7 7D15 @10" Vert. EF  
2x1 #7 7D15 @10" Vert. EF  
2x1 #7 7D13 @10" Vert. EF  
2x1 #7 7D14 @10" Vert. EF (b)

**TABLE-H**

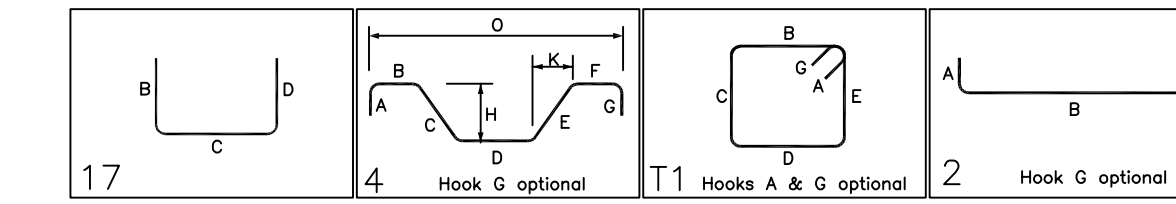
2x1 #7 X 13'-9" @10" Horz. EF (a)  
2x1 #7 X 13'-0" @10" Horz. EF  
2x1 #7 X 12'-9" @10" Horz. EF  
2x1 #7 X 12'-9" @10" Horz. EF  
2x1 #7 X 13'-0" @10" Horz. EF  
2x1 #7 X 13'-9" @10" Horz. EF (b)

SUBMITTAL RECORD				PROJECT INFORMATION			
DATE: 10/16/2021	FOR: APPROVAL	CUSTOMER: WWH CONSTRUCTORS	JOB #: 543	DATE: -	FOR: -	JOB NAME: WULF WTP IMPROVEMENTS	DETAILER: BCS
DATE: -	FOR: -	LOCATION: WULF, TX	PHONE: -	DATE: -	FOR: -	DESCRIPTION: 60" EFFLUENT METER VAULT FOUNDATION & WALL REINFORCEMENT DETAILS	

R4.002



Release Number: 04.004		BENDING DETAILS											
Bar Mark	Qty	Size	Total Length	Type	X'	Y'	Z'	X'	Y'	Z'	X'	Y'	Z'
3001	8	#3	2'-0"	17		1'-0"	1'-0"						
3002	12	#3	4'-9"	4	0'-4"	1'-3"	2'-11"					2'-7"	1'-5"
4003	4	#4	12'-1"	11	0'-4"	4'-4"	1'-4"	4'-4"	1'-4"			0'-4"	
5003	26	#5	2'-10"	2	0'-10"	2'-0"	2'-0"						
5004	12	#5	2'-5"	17		0'-4"	1'-5"	0'-5"					
5005	24	#5	8'-4"	17		0'-4"	7'-4"	0'-5"					



ACCESSORIES DETAILS				
S. NO	ELEMENT	DESCRIPTION	PCS	LFT/SQ.FT
1	1'-8" THK SLAB	3" IHC	60	925 SQ.FT

LAP SCHEDULE		
SIZE	TOP	OTHERS
#3	18"	16"
#4	25"	20"
#5	32"	24"
#6	40"	31"
#7	54"	42"
#9	76"	54"
#10	84"	66"

**ALL BARS IN THIS DRAWING  
ASTM A615 GRADE 60  
BLACK UNCOATED**

A/E PLEASE VERIFY  
LAP SCHEDULE

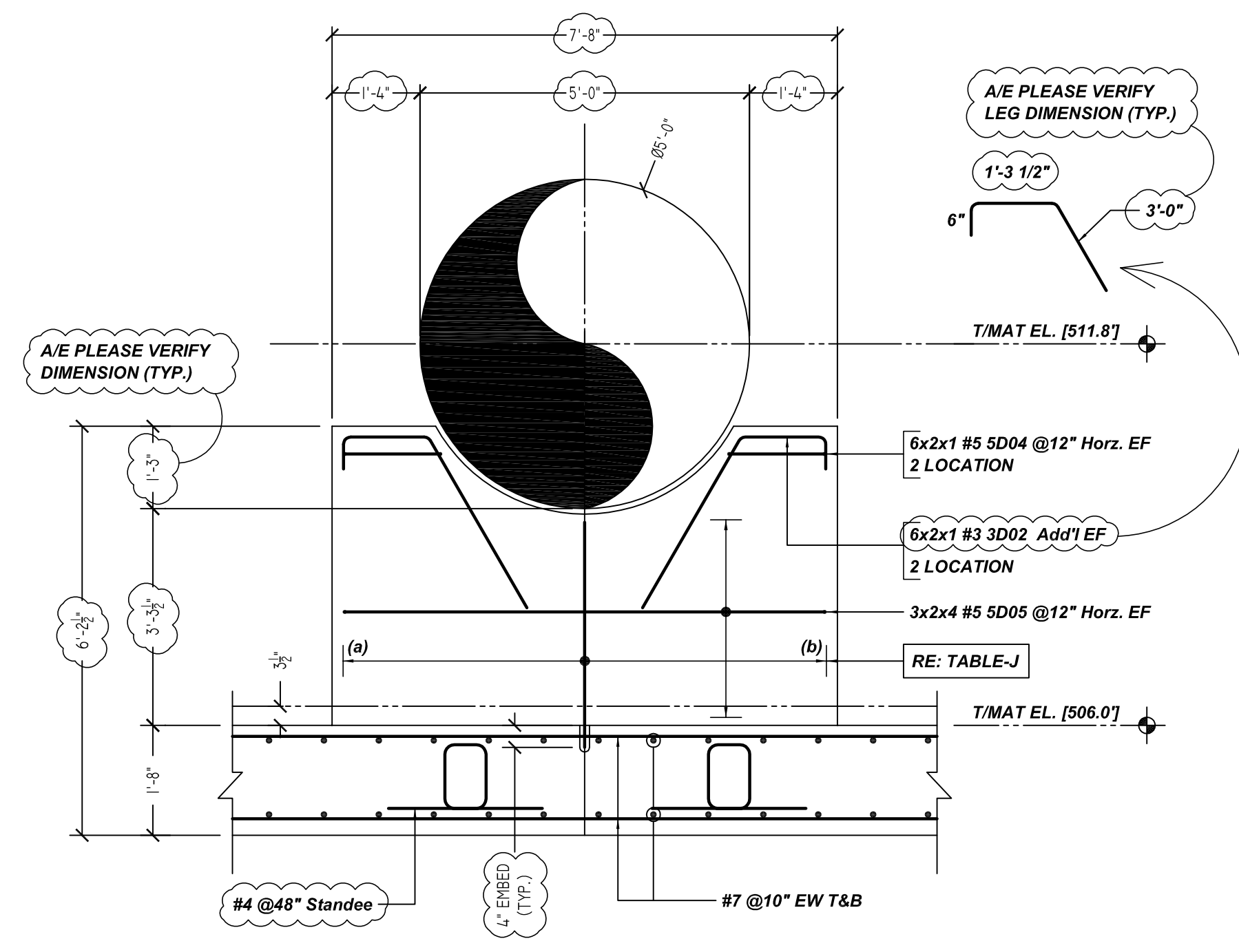
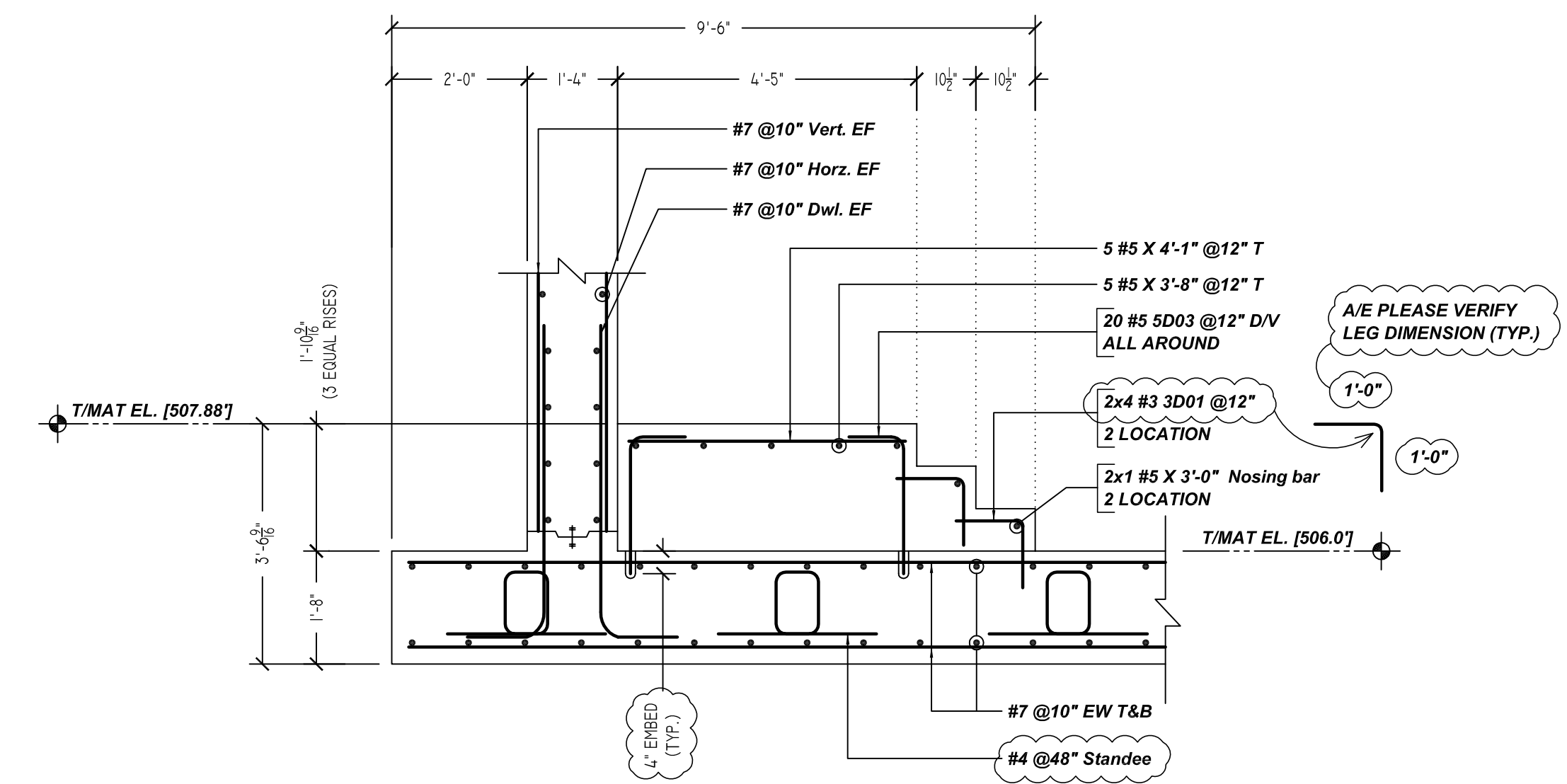


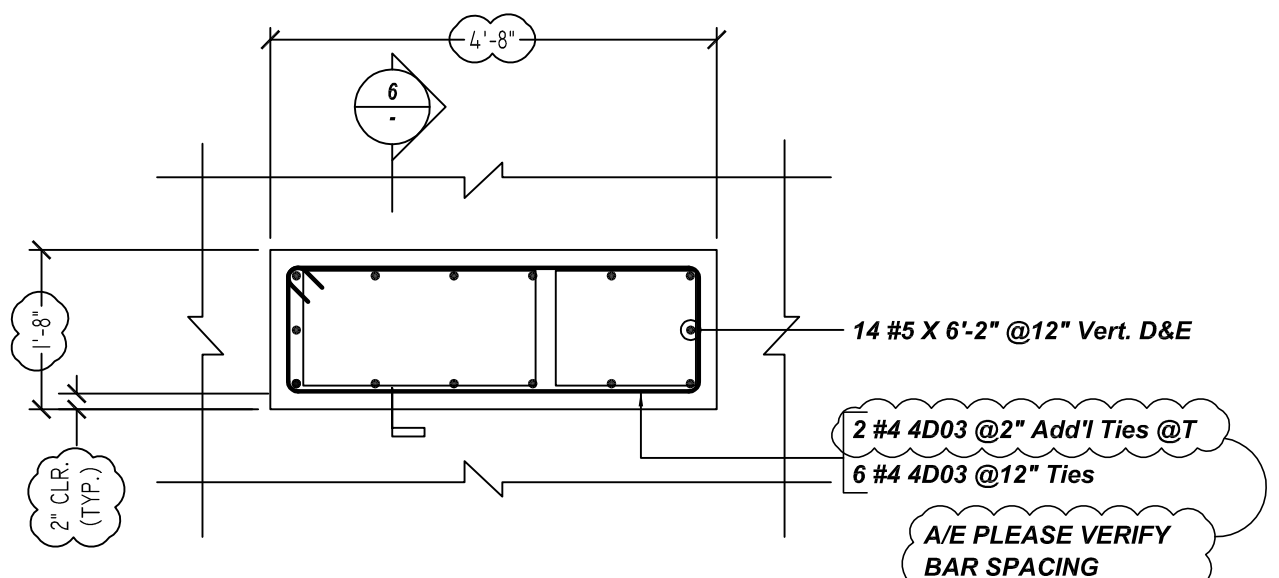
TABLE-J (3 LOCATION)	
3x2x2 #6 X 4'-9" @12" Vert. EF D&E (a)	
3x2x1 #6 X 4'-1" @12" Vert. EF D&E	
3x2x1 #6 X 3'-7" @12" Vert. EF D&E	
3x2x1 #6 X 3'-5" @12" Vert. EF D&E	
3x2x1 #6 X 4'-1" @12" Vert. EF D&E	
3x2x2 #6 X 4'-9" @12" Vert. EF D&E (b)	

3 LOCATION

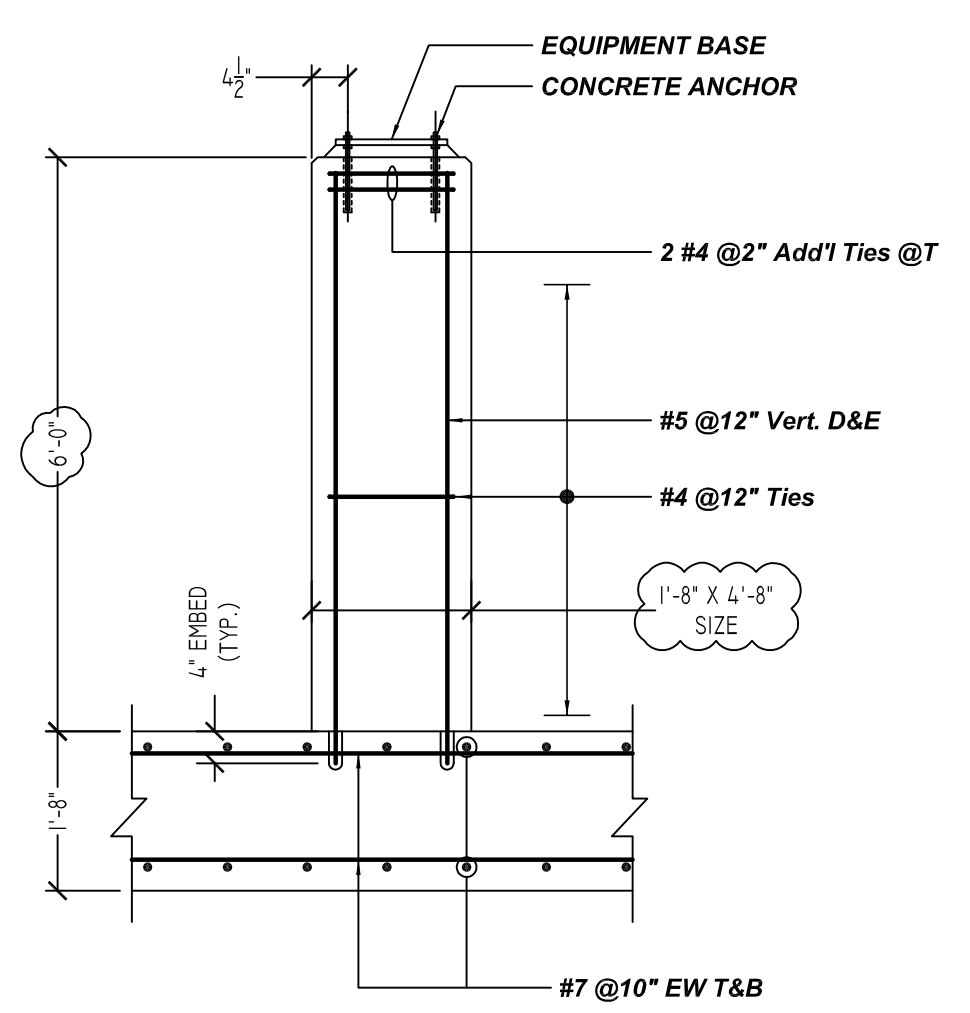
A/E PLEASE VERIFY  
BAR ARRANGEMENT



5 SECTION  
SCALE - 1/2"=1'-0"  
REF: 1/S-22



MIXING WATER PUMP DETAIL  
SCALE - 1/2"=1'-0"  
REF: S-20 & SD-1



6 SECTION  
SCALE - 1/2"=1'-0"  
REF: SD-1

SUBMITTAL RECORD		PROJECT INFORMATION	
DATE: 10/05/2021	FOR: APPROVAL	CUSTOMER: WWH CONSTRUCTORS	JOB #: 543
DATE: -	FOR: -	JOB NAME: WULF WTP IMPROVEMENTS	DETAILER: BCS
DATE: -	FOR: -	LOCATION: WULF, TX	PHONE: -
DATE: -	FOR: -	DESCRIPTION: 60" EFFLUENT METER VAULT FOUNDATION & WALL REINFORCEMENT DETAILS	

R4.004