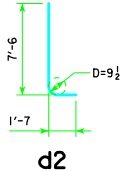


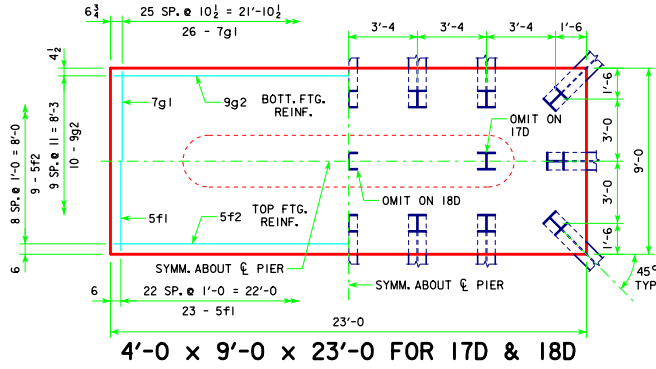
REVISED 04-13 - REVISION FOR LRFD PILE DESIGN.



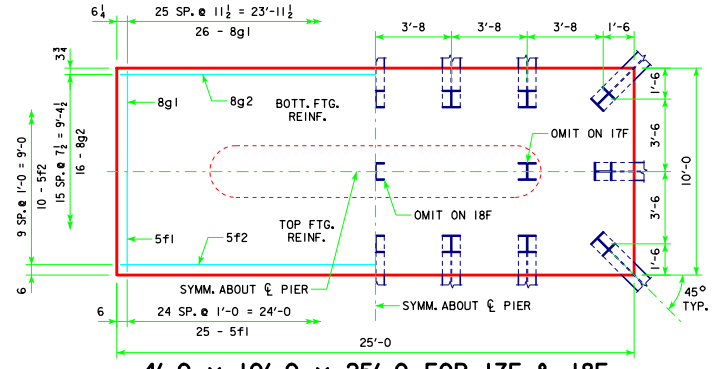
NOTE: D = PIN DIAMETER.  
DIMENSIONS ARE OUT TO OUT.

H IN. FT.	CL - CL ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	(1) LRFD Pu, STRENGTH I, DES. LOAD (KIPS)	
21 TO 27	201'-4	17D	135	4' x 9' x 23'
	213'-10	17D	140	
	226'-4	17D	146	
	243'-0	18D	142	
28 TO 30	201'-4	17D	138	4' x 9' x 23'
	213'-10	17D	143	
	226'-4	18D	140	
	243'-0	18D	145	
31 TO 33	201'-4	17E	139	4' x 10' x 23'
	213'-10	17E	143	
	226'-4	18E	141	
	243'-0	18E	145	
34 TO 36	201'-4	17F	141	4' x 10' x 25'
	213'-10	17F	144	
	226'-4	18F	141	
	243'-0	18F	146	
37 TO 40	201'-4	18G	138	4' x 11' x 25'
	213'-10	18G	141	
	226'-4	18G	144	
	243'-0	19A	143	

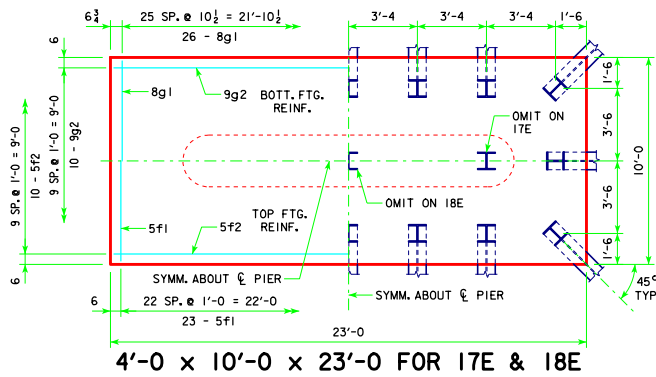
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 23'	d2	40 - #9 AS SHOWN	9'-1	1235	2888	30.7
	f1	23 - #5 @ 1'-0	8'-8	208		
	f2	9 - #5 @ 1'-0	22'-8	213		
	g1	26 - #7 @ 0'-10 1/2	8'-8	461		
	g2	10 - #9 @ 0'-11	22'-8	771		
4' x 10' x 23'	d2	40 - #9 AS SHOWN	9'-1	1235	3145	34.1
	f1	23 - #5 @ 1'-0	9'-8	232		
	f2	10 - #5 @ 1'-0	22'-8	236		
	g1	26 - #8 @ 0'-10 1/2	9'-8	671		
	g2	10 - #9 @ 1'-0	22'-8	771		
4' x 10' x 25'	d2	40 - #9 AS SHOWN	9'-1	1235	3469	37.0
	f1	25 - #5 @ 1'-0	9'-8	252		
	f2	10 - #5 @ 1'-0	24'-8	257		
	g1	26 - #8 @ 0'-11 1/2	9'-8	671		
	g2	16 - #8 @ 0'-7 1/2	24'-8	1054		
4' x 11' x 25'	d2	40 - #9 AS SHOWN	9'-1	1235	3793	40.7
	f1	25 - #5 @ 1'-0	10'-8	278		
	f2	11 - #5 @ 1'-0	24'-8	283		
	g1	25 - #9 @ 1'-0	10'-8	907		
	g2	13 - #9 @ 0'-10 1/2	24'-8	1090		



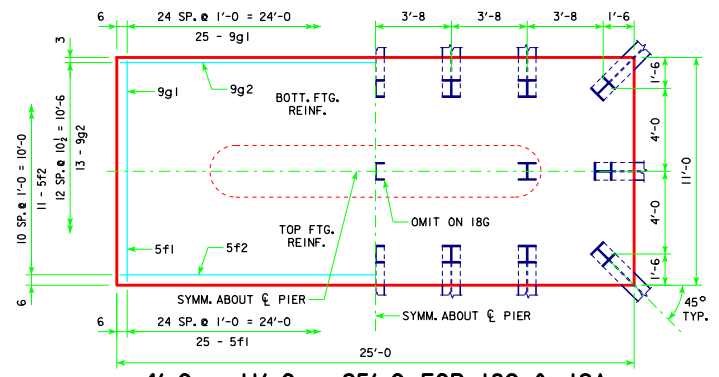
4'-0 x 9'-0 x 23'-0 FOR 17D & 18D



4'-0 x 10'-0 x 25'-0 FOR 17F & 18F



4'-0 x 10'-0 x 23'-0 FOR 17E & 18E



4'-0 x 11'-0 x 25'-0 FOR 18G & 19A

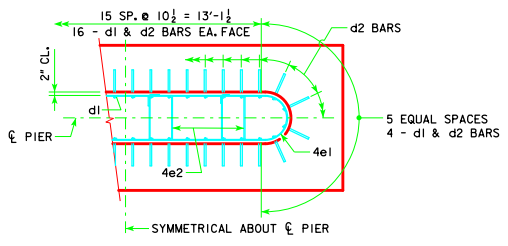
**FOOTING NOTES:**

THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H30-57-06.

BATTER PILES IN EXTERIOR ROWS 1:4 IN THE DIRECTION SHOWN.

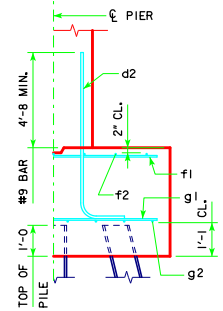
STEEL PILING USED AS POINT BEARING SHALL HAVE A MINIMUM DISTANCE OF APPROXIMATELY 10 FEET FROM BOTTOM OF FOOTING TO TOP OF BEARING ROCK. THE PILE LAYOUTS ARE SUCH THAT THE DISTANCE CENTER TO CENTER OF ADJACENT PILING SHALL NOT EXCEED 8'-0.

PIER PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.



**d2 BAR LAYOUT**  
(SEE SECTION A-A ON SHEET H30-64-06.)

(1) NOTE: PU, STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.



**TYPICAL SECTION**

LATEST REVISION DATE 04-13	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES <b>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</b> DECEMBER, 2006	<b>H30-66-06</b>