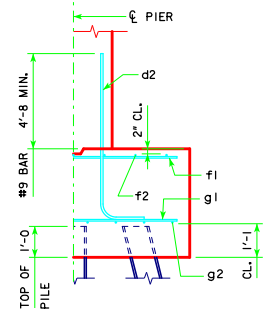


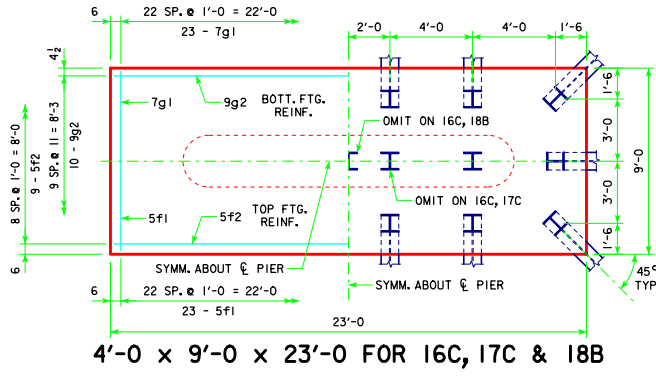
REVISED 04-13 - REVISION FOR LRFD PILE DESIGN.



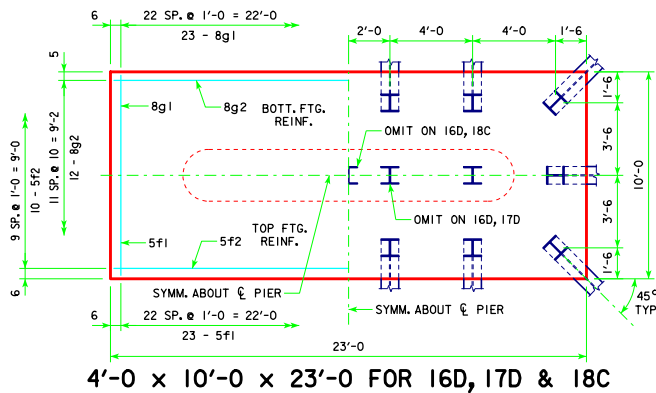
**TYPICAL SECTION**

H IN FT.	C - C ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	(1) LRFD Pu, STRENGTH I, DES. LOAD (KIPS)	
201'-4	16C	138		4' x 9' x 23'
213'-10	16C	143		
226'-4	17C	143		
243'-0	18B	143		4' x 10' x 23'
201'-4	16D	139		
213'-10	16D	144		
226'-4	17D	144		
243'-0	18C	144		4' x 11' x 23'
201'-4	16E	142		
213'-10	16E	146		
226'-4	17E	146		
243'-0	18D	145		4' x 11' x 25'
201'-4	17F	138		
213'-10	17F	141		
226'-4	17F	144		
243'-0	18E	141		4' x 11' x 25'
201'-4	18E	135		
213'-10	18E	138		
226'-4	18E	141		
243'-0	18E	146		

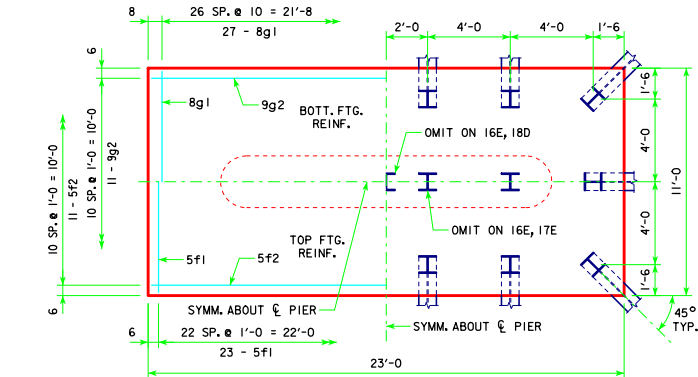
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 23'	d2	40 - #9 AS SHOWN	9'-1	1235	2834	30.7
	f1	23 - #5 @ 1'-0	8'-8	208		
	f2	9 - #5 @ 1'-0	22'-8	213		
	g1	23 - #7 @ 1'-0	8'-8	407		
	g2	10 - #9 @ 0'-11	22'-8	771		
4' x 10' x 23'	d2	40 - #9 AS SHOWN	9'-1	1235	3023	34.1
	f1	23 - #5 @ 1'-0	9'-8	232		
	f2	10 - #5 @ 1'-0	22'-8	236		
	g1	23 - #8 @ 1'-0	9'-8	594		
	g2	12 - #9 @ 0'-10	22'-8	726		
4' x 11' x 23'	d2	40 - #9 AS SHOWN	9'-1	1235	3368	37.5
	f1	23 - #5 @ 1'-0	10'-8	256		
	f2	11 - #5 @ 1'-0	22'-8	260		
	g1	27 - #8 @ 0'-10	10'-8	769		
	g2	11 - #9 @ 1'-0	22'-8	848		
4' x 11' x 25'	d2	40 - #9 AS SHOWN	9'-1	1235	3877	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	14 - #9 @ 0'-9 1/2	24'-8	1174		



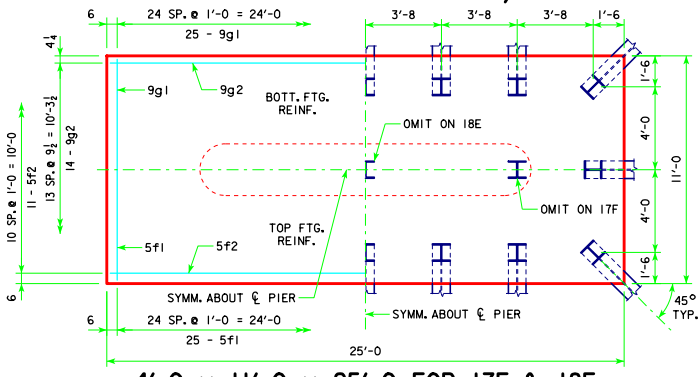
**4'-0 x 9'-0 x 23'-0 FOR 16C, 17C & 18B**



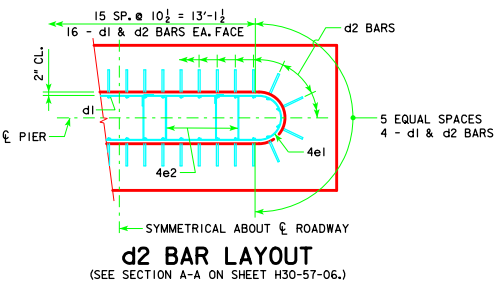
**4'-0 x 10'-0 x 23'-0 FOR 16D, 17D & 18C**



**4'-0 x 11'-0 x 23'-0 FOR 16E, 17E & 18D**

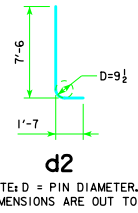


**4'-0 x 11'-0 x 25'-0 FOR 17F & 18E**



**d2 BAR LAYOUT**  
(SEE SECTION A-A ON SHEET H30-57-06.)

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



**d2**  
NOTE: D = PIN DIAMETER. DIMENSIONS ARE OUT TO OUT.

**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.

04-13 LATEST REVISION DATE	<i>Thomas E. M. Donnell</i> APPROVED BY BRIDGE ENGINEER	<p>STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES</p> <p><b>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</b></p> <p>DECEMBER, 2006</p>	<p><b>TEE PIER-HP10x57 SRL-1 STEEL PILE FOOTINGS</b></p> <p>0° SKEW - H=25' to 40'</p>	<p><b>H30-59-06</b></p>