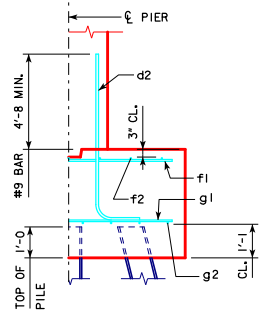
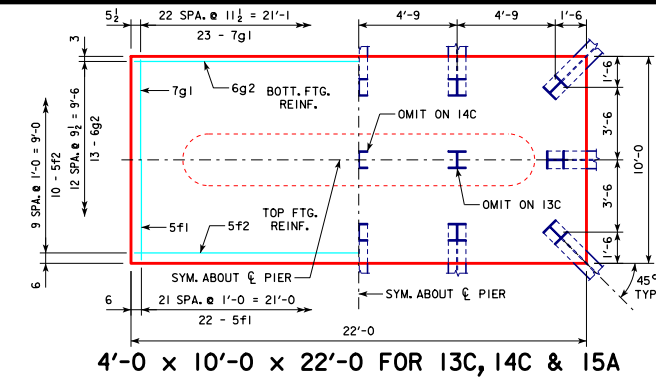


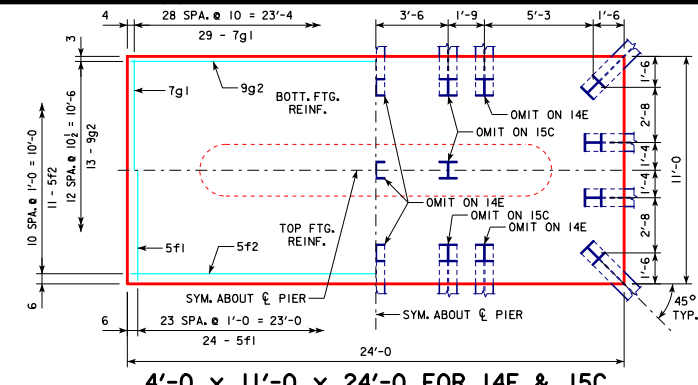
REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.  
REVISED 09-2016 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" (WAS 2").



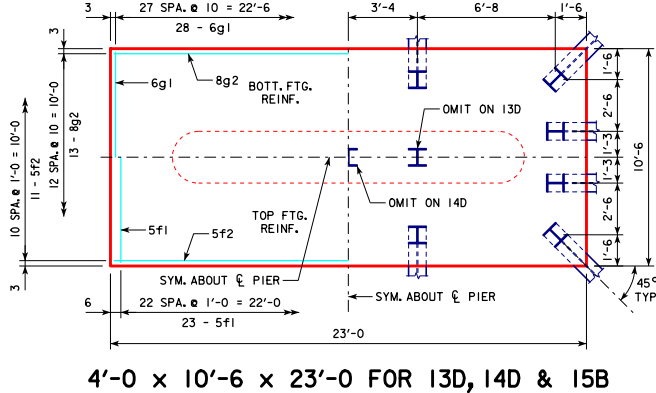
**TYPICAL SECTION**



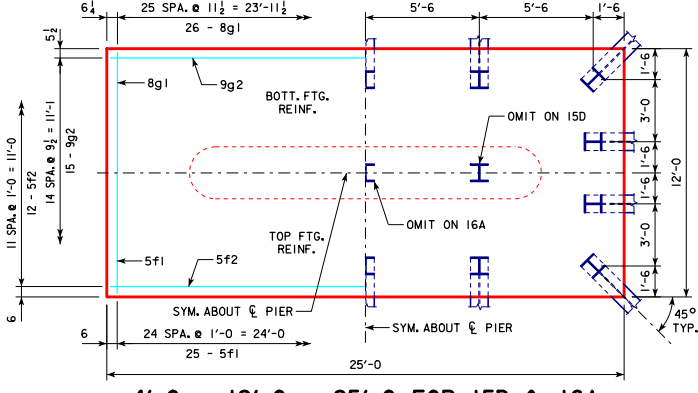
**4'-0 x 10'-0 x 22'-0 FOR 13C, 14C & 15A**



**4'-0 x 11'-0 x 24'-0 FOR 14E & 15C**



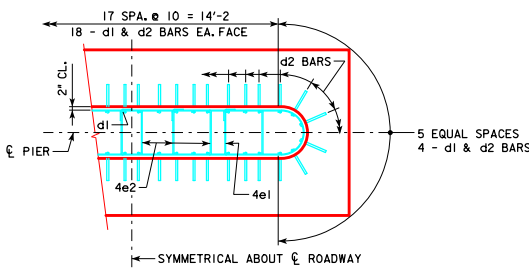
**4'-0 x 10'-6 x 23'-0 FOR 13D, 14D & 15B**



**4'-0 x 12'-0 x 25'-0 FOR 15D & 16A**

H. IN. FT.	CL. - CL. ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD P <sub>u</sub> STRENGTH I <sub>d</sub> DES. LOAD (KIPS)	
201'-4	13C	144	144	4' x 10' x 22'
213'-10	14C	138	138	
226'-4	14C	142	142	
243'-0	15A	141	141	
201'-4	13D	145	145	4' x 10'-6 x 23'
213'-10	14D	143	143	
226'-4	15B	141	141	
243'-0	15B	146	146	
201'-4	14E	142	142	4' x 11' x 24'
213'-10	14E	146	146	
226'-4	15C	137	137	
243'-0	15C	142	142	
201'-4	15C	137	137	4' x 11' x 24'
213'-10	15C	140	140	
226'-4	15C	142	142	
243'-0	15C	146	146	
201'-4	15D	142	142	4' x 12' x 25'
213'-10	15D	145	145	
226'-4	16A	140	140	
243'-0	16A	143	143	

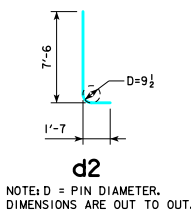
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)	
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 10' x 22'	d2	44 - #9 AS SHOWN	9'-1	1359	2684	32.6
	f1	22 - #5 @ 1'-0	9'-8	222		
	f2	10 - #5 @ 1'-0	21'-8	226		
	g1	23 - #7 @ 0'-11 1/2	9'-8	454		
	g2	13 - #6 @ 0'-9 1/2	21'-8	423		
4' x 10'-6 x 23'	d2	44 - #9 AS SHOWN	9'-1	1359	3078	35.8
	f1	23 - #5 @ 1'-0	10'-2	244		
	f2	11 - #5 @ 1'-0	22'-8	260		
	g1	28 - #6 @ 0'-10	10'-2	428		
	g2	13 - #8 @ 0'-10	22'-8	787		
4' x 11' x 24'	d2	44 - #9 AS SHOWN	9'-1	1359	3576	39.1
	f1	24 - #5 @ 1'-0	10'-8	267		
	f2	11 - #5 @ 1'-0	23'-8	272		
	g1	29 - #7 @ 0'-10	10'-8	632		
	g2	13 - #9 @ 0'-10 1/2	23'-8	1046		
4' x 12' x 25'	d2	44 - #9 AS SHOWN	9'-1	1359	4040	44.4
	f1	25 - #5 @ 1'-0	11'-8	304		
	f2	12 - #5 @ 1'-0	24'-8	309		
	g1	26 - #8 @ 0'-11 1/2	11'-8	810		
	g2	15 - #9 @ 0'-9 1/2	24'-8	1258		



**d2 BAR LAYOUT**

(SEE SECTION A-A ON SHEET H24-50-06.)

① NOTE: P<sub>u</sub> STRENGTH I<sub>d</sub> DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.



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 H24-50-06.
- BATTER PILES IN EXTERIOR ROWS I<sub>4</sub> 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.

09-2016 LATEST REVISION DATE Approved by BRIDGE ENGINEER	
	STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE <b>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</b> DECEMBER, 2006
<b>TEE PIER-HP10x57 SRL-1 STEEL PILE FOOTINGS</b> 0° SKEW - H=25' TO 40'	<b>H24-52-06</b>