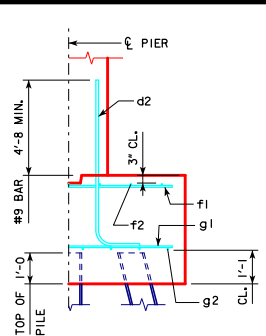


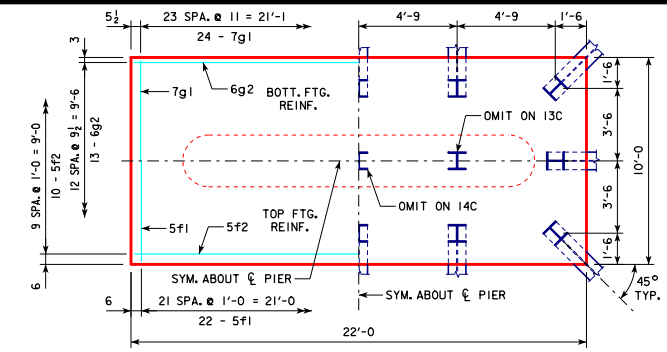
REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.
REVISED 09-2016 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" (WAS 2").



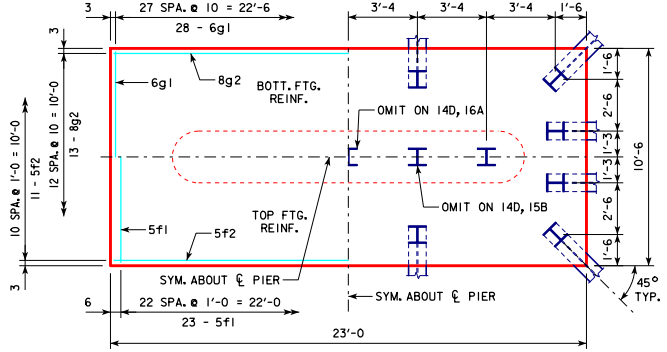
TYPICAL SECTION

H IN FT.	P L I N G B R G.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD P _u STRENGTH I, DES. LOAD (KIPS)	
201'-4	13C	146		4' x 10' x 22'
213'-10	14C	140		
226'-4	14C	143		
243'-0	15A	143		4' x 10'-6 x 23'
201'-4	14D	138		
213'-10	14D	143		
226'-4	15B	141		4' x 10'-6 x 23'
243'-0	15B	146		
201'-4	14D	145		
213'-10	15B	142		4' x 11' x 24'
226'-4	15B	146		
243'-0	16A	144		
201'-4	15C	139		4' x 12' x 25'
213'-10	15C	141		
226'-4	15C	144		
243'-0	16B	140		4' x 12' x 25'
201'-4	15D	144		
213'-10	15D	146		
226'-4	16C	142		
243'-0	16C	144		

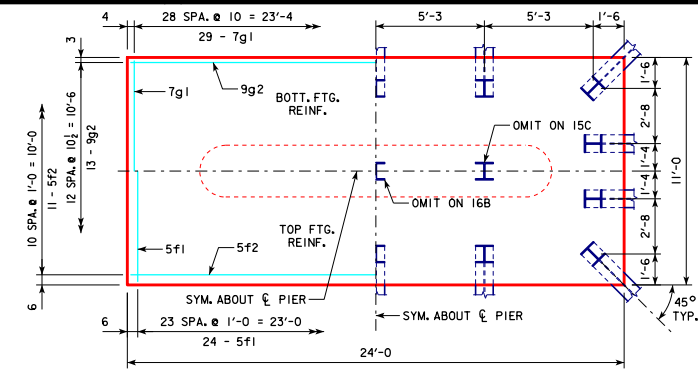
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 10' x 22'	d2	44 - #9 AS SHOWN	9'-1	1359	2704	32.6
	f1	22 - #5 @ 1'-0	9'-8	222		
	f2	10 - #5 @ 1'-0	21'-8	226		
	g1	24 - #7 @ 0'-11	9'-8	474		
	g2	13 - #6 @ 0'-9 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	23'-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		



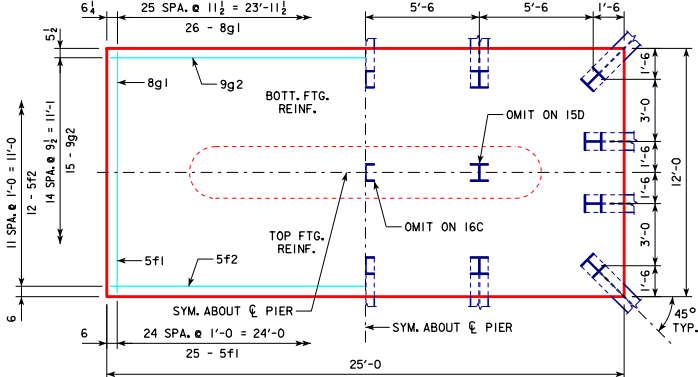
4'-0 x 10'-0 x 22'-0 FOR 13C, 14C & 15A



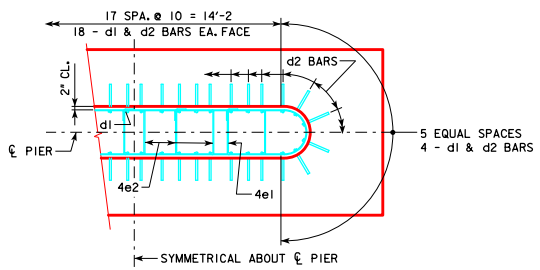
4'-0 x 10'-6 x 23'-0 FOR 14D, 15B & 16A



4'-0 x 11'-0 x 24'-0 FOR 15C & 16B

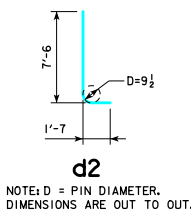


4'-0 x 12'-0 x 25'-0 FOR 15D & 16C



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H24-57-06.)

① NOTE: P_u 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 H24-57-06.
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.

09-2016 LATEST REVISION DATE	<i>Thomas E. McQuill</i> APPROVED BY BRIDGE ENGINEER		STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE
			PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES
DECEMBER, 2006			H24-59-06
TEE PIER-HP10x57 SRL-1 STEEL PILE FOOTINGS		15° SKEW - H=25' TO 40'	