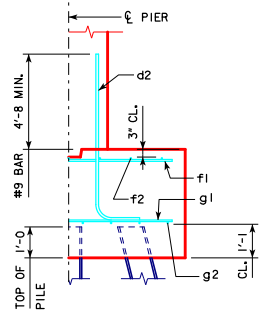
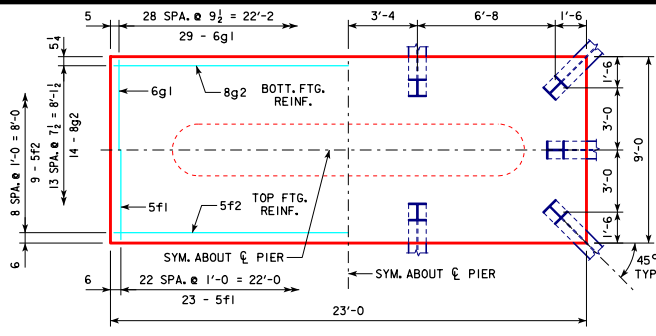


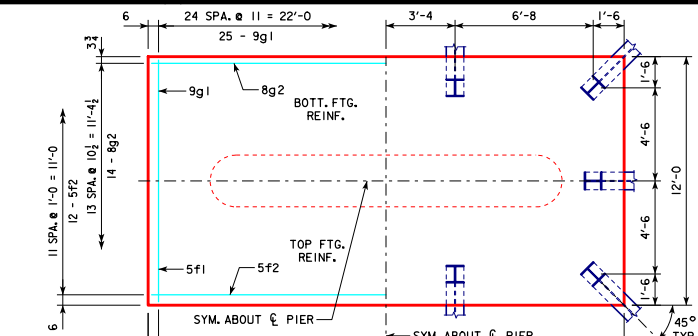
REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.
REVISED 09-2016 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" (WAS 2").



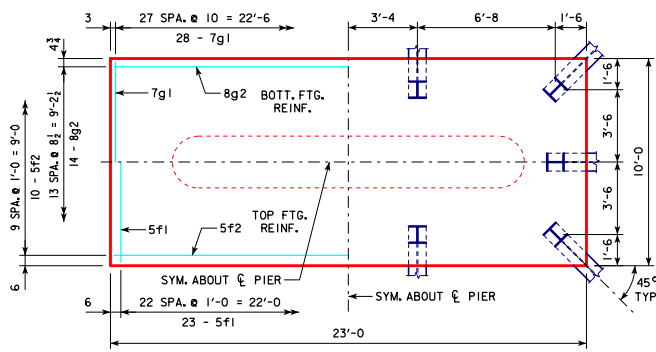
TYPICAL SECTION



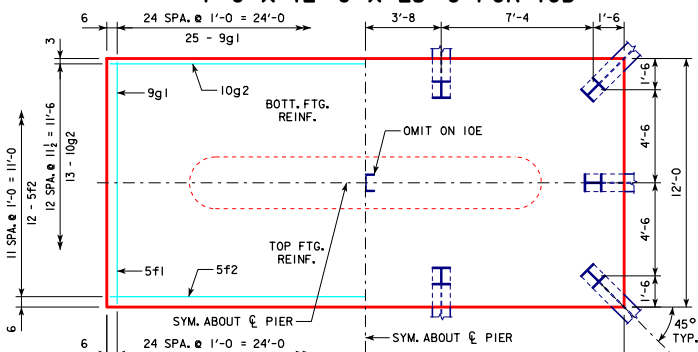
4'-0 x 9'-0 x 23'-0 FOR 10B



4'-0 x 12'-0 x 23'-0 FOR 10D



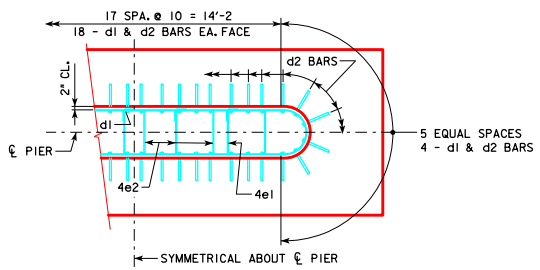
4'-0 x 10'-0 x 23'-0 FOR 10C



4'-0 x 12'-0 x 25'-0 FOR 10E & 11A

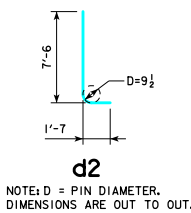
H IN. FT.	CL. ABUT. BRG.	PILING (HP10x57)	FOOTING SIZE
		NO. & LAYOUT	
		① LRFD P _u STRENGTH I, DES. LOAD (KIPS)	
201'-4	10B	183	
213'-10	10B	189	
226'-4	10B	196	4' x 9' x 23'
243'-0	10B	203	
201'-4	10B	188	
213'-10	10B	194	4' x 9' x 23'
226'-4	10B	202	
243'-0	10B	209	
201'-4	10C	195	
213'-10	10C	199	
226'-4	10C	203	4' x 10' x 23'
243'-0	10C	210	
201'-4	10D	201	
213'-10	10D	205	
226'-4	10D	209	4' x 12' x 23'
243'-0	10D	213	
201'-4	10E	207	
213'-10	10E	211	4' x 12' x 25'
226'-4	10E	216	
243'-0	11A	208	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	
4' x 9' x 23'	d2	44 - #9 AS SHOWN	9'-1	1359	3005
	f1	23 - #5 @ 1'-0	8'-8	208	
	f2	9 - #5 @ 1'-0	22'-8	213	
	g1	29 - #6 @ 0'-9 1/2	8'-8	378	
	g2	14 - #8 @ 0'-7 1/2	22'-8	847	
4' x 10' x 23'	d2	44 - #9 AS SHOWN	9'-1	1359	3227
	f1	23 - #5 @ 1'-0	9'-8	232	
	f2	10 - #5 @ 1'-0	22'-8	236	
	g1	28 - #7 @ 0'-10	9'-8	553	
	g2	14 - #8 @ 0'-8 1/2	22'-8	847	
4' x 12' x 23'	d2	44 - #9 AS SHOWN	9'-1	1359	3762
	f1	23 - #5 @ 1'-0	11'-8	280	
	f2	12 - #5 @ 1'-0	22'-8	284	
	g1	25 - #9 @ 0'-11	11'-8	992	
	g2	14 - #8 @ 0'-10 1/2	22'-8	847	
4' x 12' x 25'	d2	44 - #9 AS SHOWN	9'-1	1359	4344
	f1	25 - #5 @ 1'-0	11'-8	304	
	f2	12 - #5 @ 1'-0	24'-8	309	
	g1	25 - #9 @ 1'-0	11'-8	992	
	g2	13 - #10 @ 0'-11 1/2	24'-8	1380	



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.



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 I4 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
TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS 15° SKEW - H=25' TO 40'	
H24-61-06	