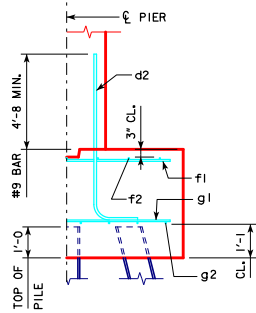
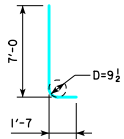


REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.  
REVISED 09-2016 - CHANGED VERTICAL CLEARANCE OF REBAR - f2\* TO TOP OF PIER FOOTING TO 3" (WAS 2").



**TYPICAL SECTION**

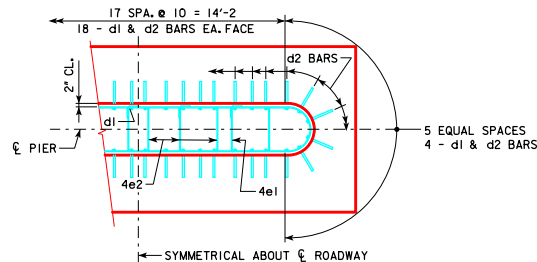


**d2**

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

H IN FT.	ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD P <sub>u</sub> STRENGTH I <sub>1</sub> DES. LOAD (KIPS)	
8	201'-4	12A	138	3'-6 x 8' x 21'
16	213'-10	12A	143	
24	226'-4	13A	142	
32	243'-0	14A	139	
8	201'-4	12A	143	3'-6 x 8' x 21'
16	213'-10	13A	141	
24	226'-4	14A	138	
32	243'-0	14A	144	
8	201'-4	13B	138	3'-6 x 9' x 22'
16	213'-10	13B	142	
24	226'-4	14B	139	
32	243'-0	14B	144	

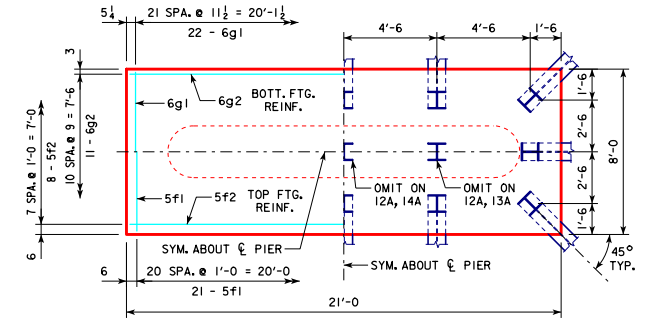
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (L.B.)		
3'-6 x 8' x 21'	d2	44 - #9 AS SHOWN	8'-7	1284	2218	21.8
	f1	21 - #5 @ 1'-0	7'-8	168		
	f2	8 - #5 @ 1'-0	20'-8	172		
	g1	22 - #6 @ 0'-11 1/2	7'-8	253		
	g2	11 - #6 @ 0'-9	20'-8	341		
3'-6 x 9' x 22'	d2	44 - #9 AS SHOWN	8'-7	1284	2607	25.7
	f1	22 - #5 @ 1'-0	8'-8	199		
	f2	9 - #5 @ 1'-0	21'-8	203		
	g1	22 - #7 @ 1'-0	8'-8	390		
	g2	12 - #7 @ 0'-9	21'-8	531		



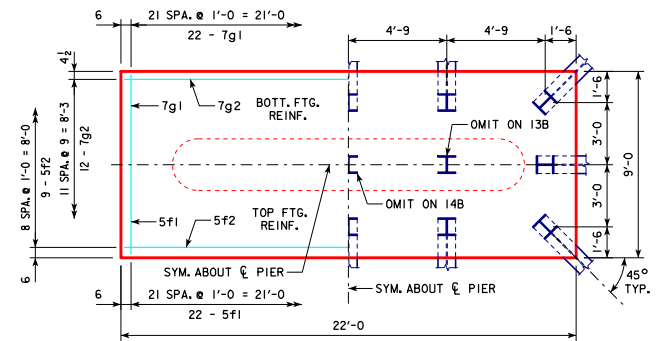
**d2 BAR LAYOUT**

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

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



**3'-6 x 8'-0 x 21'-0 FOR 12A, 13A & 14A**



**3'-6 x 9'-0 x 22'-0 FOR 13B & 14B**

**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 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
			<b>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</b>
			DECEMBER, 2006
<b>TEE PIER-HP10x57 SRL-1 STEEL PILE FOOTINGS</b>			<b>H24-51-06</b>
			0° SKEW - H=16' TO 24'