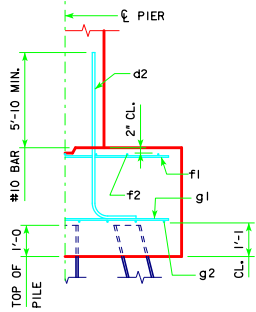
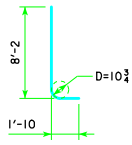


REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.

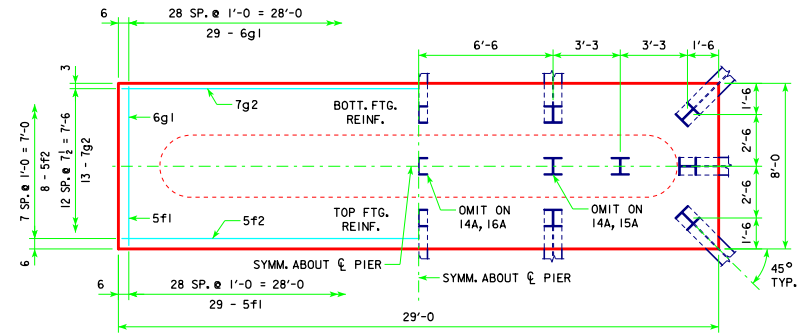


**TYPICAL SECTION**



**d2**

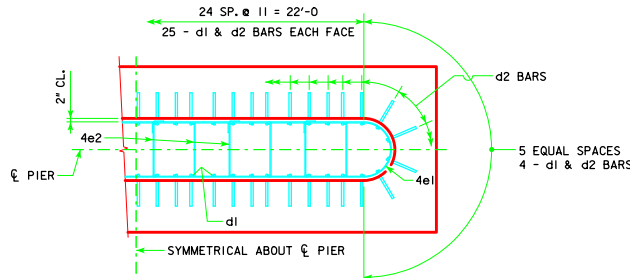
NOTE: D = PIN DIAMETER.  
DIMENSIONS ARE OUT TO OUT.



**3'-6 x 8'-0 x 29'-0 FOR 14A, 15A, 16A & 17A**

H IN FT.	ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD PU, STRENGTH I DES. LOAD (KIPS)	
18	201'-4	14A	209	
16 TO 18	213'-10	14A	216	3'-6 x 8' x 29'
	226'-4	15A	216	
	243'-0	16A	212	
18 TO 21	201'-4	14A	215	
	213'-10	15A	213	3'-6 x 8' x 29'
	226'-4	16A	210	
	243'-0	16A	218	
22 TO 24	201'-4	15A	212	
	213'-10	15A	219	3'-6 x 8' x 29'
	226'-4	16A	215	
	243'-0	17A	215	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 8' x 29'	d2 58 - #10 AS SHOWN	10'-0	2496	4063	30.1
	f1 29 - #5 @ 1'-0	7'-8	232		
	f2 8 - #5 @ 1'-0	28'-8	239		
	g1 29 - #6 @ 1'-0	7'-8	334		
	g2 13 - #7 @ 0'-7 1/2	28'-8	762		



**d2 LAYOUT**

(SEE SECTION A-A ON SHEET H40-81-06.)

① NOTE: PU, STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.

**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 H40-81-06.

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.

LATEST REVISION DATE 05-13	APPROVED BY BRIDGE ENGINEER <i>Thomas E. Mc Donnell</i>		
		STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE <b>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</b> AUGUST, 2009	
		<b>TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS</b> 45° SKEW - H=16' TO 24'	<b>H40-85-06</b>