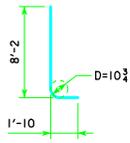


TYPICAL SECTION



d2

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

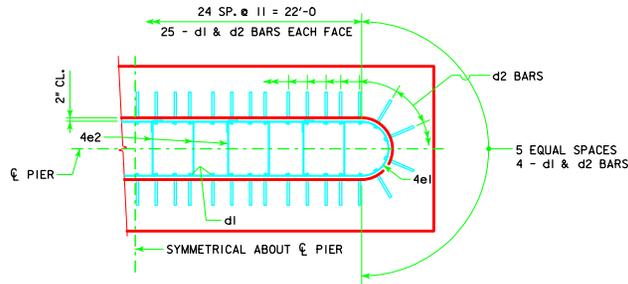
NOTE: THE REINFORCING STEEL QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

NOTE: THE CONCRETE QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

NOTE: THE PILE TYPE IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

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

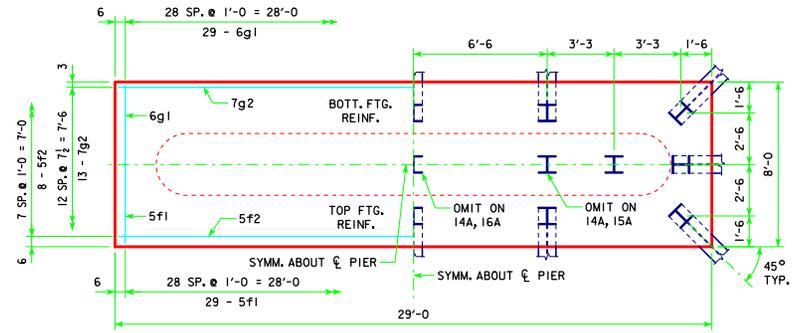
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 8' x 29'	d2 58 - #10 AS SHOWN	10'-0	2496	4063	30.1
	f1 29 - #5 @ 1'-0	7'-8	232		
	f2 8 - #5 @ 1'-0	28'-8	239		
	g1 29 - #6 @ 1'-0	7'-8	334		
	g2 13 - #7 @ 0'-7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



d2 LAYOUT

(SEE SECTION A-A ON SHEET H40-81-14.)

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



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

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 H40-81-14.

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	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE <b>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</b> SEPTEMBER, 2014	<b>H40-85-14</b>
		<b>TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS</b>	
		45° SKEW - H=16' TO 24'	