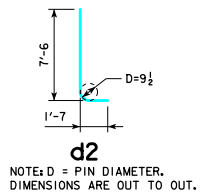


REVISED 02-2017 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" WAS 2".

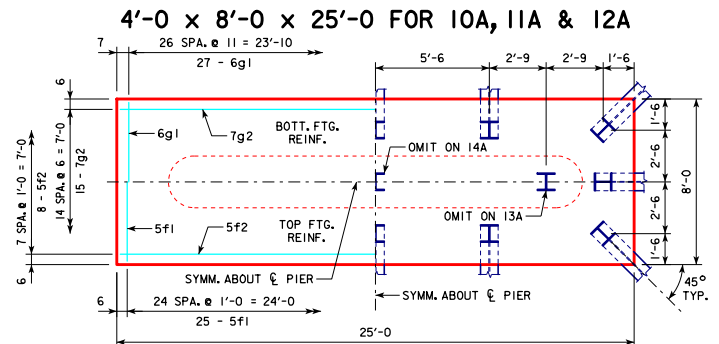
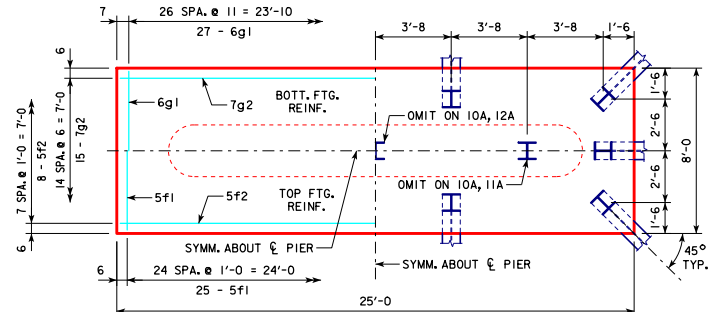
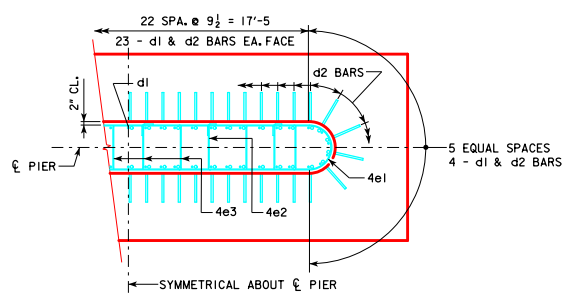
H IN ABUT. FT.	CL - CL	PILING (HP10x57)		FOOTING SIZE	
		NO. & LAYOUT	① LRFD P _u , STRENGTH I, DES. LOAD (KIPS)		
16 TO 18	160'-0"	10A	209	4' x 8' x 25'	
	180'-0"	11A	211		
	200'-0"	12A	206		
	220'-0"	13A	208		
	240'-0"	14A	206		
	260'-0"	14B	216		4' x 9' x 25'
	280'-0"	16A	211		
	300'-0"	16D	214		
	320'-0"	16E	215		
	340'-0"	17B	209		4' x 12' x 27'
	340'-0"	18A	210		
19 TO 21	160'-0"	10A	216	4' x 8' x 25'	
	180'-0"	11A	218		
	200'-0"	12A	213		
	220'-0"	13A	214		
	240'-0"	14A	212		
	260'-0"	15A	213		4' x 9' x 25'
	280'-0"	16A	217		
	300'-0"	16D	219		
	320'-0"	16E	219		
	340'-0"	18A	210		4' x 12' x 27'
	340'-0"	18A	210		
22 TO 24	160'-0"	10B	218	4' x 9' x 25'	
	180'-0"	12B	202		
	200'-0"	12B	214		
	220'-0"	13B	216		
	240'-0"	14B	213		
	260'-0"	15A	218		4' x 10' x 25'
	280'-0"	16B	217		
	300'-0"	16E	212		
	320'-0"	17B	215		
	340'-0"	18A	214		4' x 12' x 27'
	340'-0"	18A	214		
25 TO 27	160'-0"	11C	209	4' x 10' x 25'	
	180'-0"	12C	204		
	200'-0"	12C	216		
	220'-0"	13C	217		
	240'-0"	14C	214		
	260'-0"	15B	218		4' x 11' x 25'
	280'-0"	16C	218		
	300'-0"	16E	215		
	320'-0"	17B	218		
	340'-0"	18A	217		4' x 12' x 27'
	340'-0"	18A	217		
28 TO 30	160'-0"	11C	214	4' x 10' x 25'	
	180'-0"	12C	209		
	200'-0"	13C	206		
	220'-0"	14C	204		
	240'-0"	14C	218		4' x 11' x 27'
	260'-0"	15C	216		
	280'-0"	16D	218		
	300'-0"	16E	218		
	320'-0"	18A	210		4' x 12' x 27'
	340'-0"	18A	219		
31 TO 33	160'-0"	12D	198	4' x 11' x 25'	
	180'-0"	12D	211		
	200'-0"	13D	208		
	220'-0"	14D	205		
	240'-0"	14D	219		4' x 11' x 27'
	260'-0"	15C	219		
	280'-0"	16E	209		
	300'-0"	17B	212		
	320'-0"	18A	213		4' x 12' x 27'
	340'-0"	19A	214		
34 TO 36	160'-0"	12E	200	4' x 11' x 27'	
	180'-0"	12E	212		
	200'-0"	13E	208		
	220'-0"	14E	205		
	240'-0"	14E	219		4' x 12' x 27'
	260'-0"	15D	214		
	280'-0"	16E	212		
	300'-0"	17B	215		
	320'-0"	18A	215		4' x 12' x 27'
	340'-0"	19A	216		

H IN ABUT. FT.	CL - CL	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	① LRFD P _u , STRENGTH I, DES. LOAD (KIPS)	
37 TO 40	160'-0"	12F	203	4' x 12' x 27'
	180'-0"	12F	215	
	200'-0"	13F	215	
	220'-0"	14F	217	
	240'-0"	15D	205	
	260'-0"	15D	217	
	280'-0"	16E	215	
	300'-0"	17B	218	
	320'-0"	18A	218	
	340'-0"	19A	219	



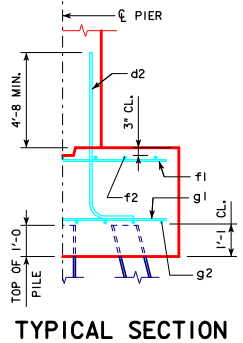
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)			TOTAL WEIGHT (L.B.)	STRUCTURAL CONCRETE (CY)	
	BAR	NO., SIZE & SPACING	LENGTH			WEIGHT (L.B.)
4' x 8' x 25'	d2	54 - #9 AS SHOWN	9'-1	1668	3141	29.6
	f1	25 - #5 @ 1'-0	7'-8	200		
	f2	8 - #5 @ 1'-0	24'-8	206		
	g1	27 - #6 @ 0'-11	7'-8	311		
	g2	15 - #7 @ 0'-6	24'-8	756		
	d2	54 - #9 AS SHOWN	9'-1	1668		
f1	25 - #5 @ 1'-0	8'-8	226			
f2	9 - #5 @ 1'-0	24'-8	232			
g1	28 - #7 @ 0'-10 1/2	8'-8	496			
g2	15 - #7 @ 0'-7	24'-8	756			
d2	54 - #9 AS SHOWN	9'-1	1668	3656	37.0	
f1	25 - #5 @ 1'-0	9'-8	252			
f2	10 - #5 @ 1'-0	24'-8	257			
g1	28 - #8 @ 0'-10 1/2	9'-8	723			
g2	15 - #7 @ 0'-8	24'-8	756			
d2	54 - #9 AS SHOWN	9'-1	1668			3998
f1	25 - #5 @ 1'-0	10'-8	278			
f2	11 - #5 @ 1'-0	24'-8	283			
g1	27 - #9 @ 0'-11	10'-8	979			
g2	12 - #8 @ 0'-11	24'-8	790			
d2	54 - #9 AS SHOWN	9'-1	1668	4511	44.0	
f1	27 - #5 @ 1'-0	10'-8	300			
f2	11 - #5 @ 1'-0	26'-8	306			
g1	34 - #8 @ 0'-9 1/2	10'-8	968			
g2	14 - #9 @ 0'-9 1/2	26'-8	1269			
d2	54 - #9 AS SHOWN	9'-1	1668			5000
f1	27 - #5 @ 1'-0	11'-8	329			
f2	12 - #5 @ 1'-0	26'-8	334			
g1	33 - #9 @ 0'-9 1/2	11'-8	1309			
g2	15 - #9 @ 0'-9 1/2	26'-8	1360			

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



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.

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 RS40-126-14.
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.



LATEST REVISION DATE 02-2017	APPROVED BY BRIDGE ENGINEER <i>Thomas E. McQuinn</i>		STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES
			ROLLED STEEL BEAM BRIDGES
OCTOBER, 2014			RS40-131-14
TEE PIER-HP10x57 SRL-2 STEEL PILE FOOTINGS			
10° SKEW - SHEET 1			