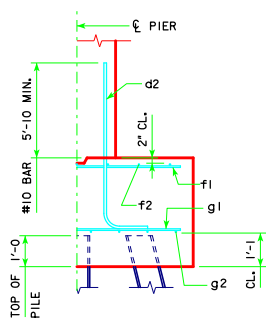
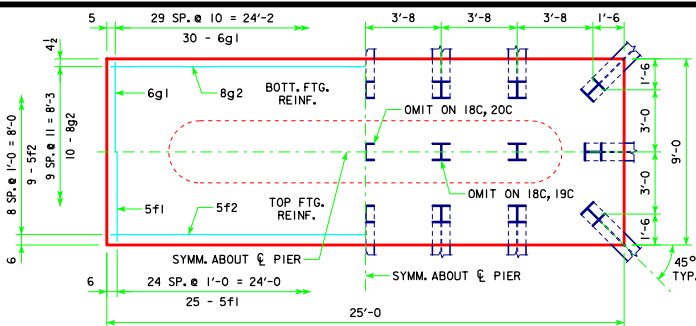


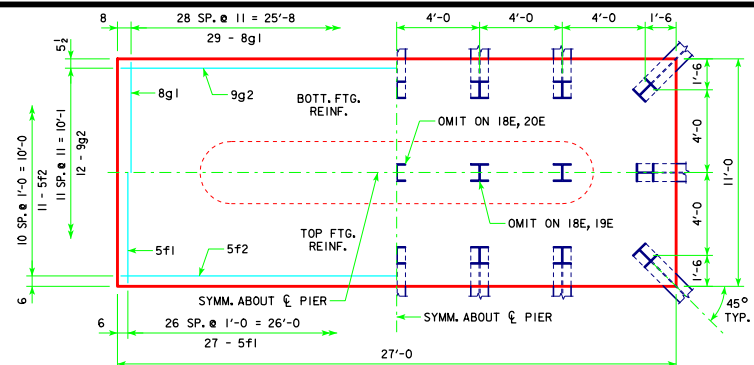
REVISED 04-13 - REVISION FOR LRFD PILE DESIGN.



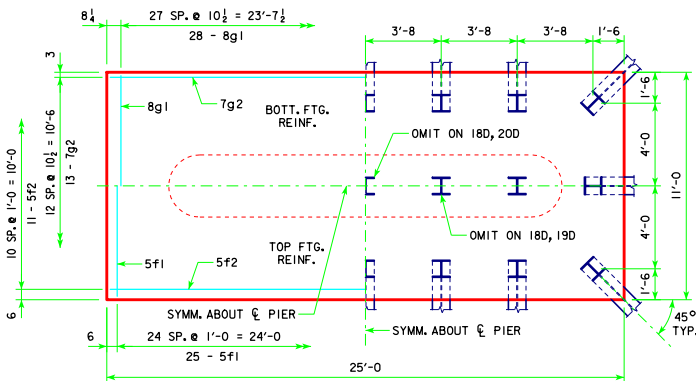
TYPICAL SECTION



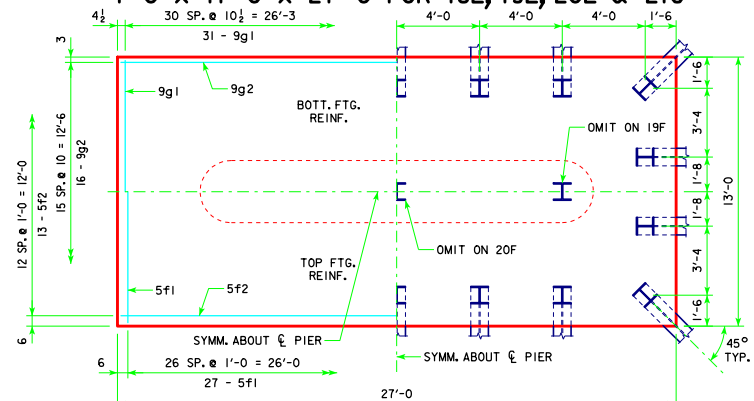
4'-0 x 9'-0 x 25'-0 FOR 18C, 19C, 20C & 21A



4'-0 x 11'-0 x 27'-0 FOR 18E, 19E, 20E & 21C



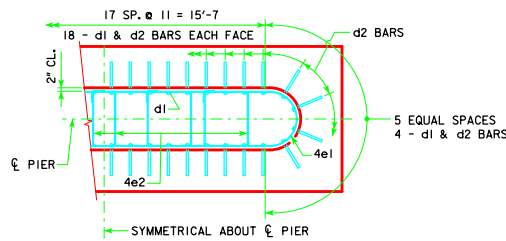
4'-0 x 11'-0 x 25'-0 FOR 18D, 19D, 20D & 21B



4'-0 x 13'-0 x 27'-0 FOR 19F, 20F & 21D

H IN. FT.	CL - CL ABUT. BRG.	PILING (HP10x57) NO. & LAYOUT	① LRFD P _u STRENGTH I, DES. LOAD (KIPS)	FOOTING SIZE
27 TO 30	201'-4	18C	140	4' x 9' x 25'
30 TO 25	213'-10	18C	145	
25 TO 21	226'-4	19C	146	
21 TO 17	243'-0	20C	145	4' x 9' x 25'
17 TO 13	201'-4	18C	144	
13 TO 9	213'-10	19C	143	
9 TO 5	226'-4	20C	143	4' x 11' x 25'
5 TO 1	243'-0	21A	144	
1 TO 0	201'-4	18D	145	
0 TO 36	213'-10	19D	145	4' x 11' x 25'
36 TO 31	226'-4	20D	144	
31 TO 27	243'-0	21B	144	
27 TO 23	201'-4	18E	147	4' x 11' x 27'
23 TO 19	213'-10	19E	146	
19 TO 15	226'-4	20E	145	
15 TO 11	243'-0	21C	145	4' x 13' x 27'
11 TO 7	201'-4	19F	140	
7 TO 3	213'-10	19F	145	
3 TO 0	226'-4	20F	142	
0 TO 34	243'-0	21D	141	

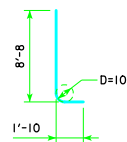
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 9' x 25'	d2	44 - #10 AS SHOWN	10'-6	1988	3496	33.3
	f1	25 - #5 @ 1'-0	8'-8	226		
	f2	9 - #5 @ 1'-0	24'-8	232		
	g1	30 - #6 @ 0'-10	8'-8	391		
	g2	10 - #8 @ 0'-11	24'-8	659		
4' x 11' x 25'	d2	44 - #10 AS SHOWN	10'-6	1988	4001	40.7
	f1	25 - #5 @ 1'-0	10'-8	278		
	f2	11 - #5 @ 1'-0	24'-8	283		
	g1	28 - #8 @ 0'-10 1/2	10'-8	797		
	g2	13 - #7 @ 0'-10 1/2	24'-8	655		
4' x 11' x 27'	d2	44 - #10 AS SHOWN	10'-6	1988	4508	44.0
	f1	27 - #5 @ 1'-0	10'-8	300		
	f2	11 - #5 @ 1'-0	26'-8	306		
	g1	29 - #8 @ 0'-11	10'-8	826		
	g2	12 - #9 @ 0'-11	26'-8	1088		
4' x 13' x 27'	d2	44 - #10 AS SHOWN	10'-6	1988	5493	52.0
	f1	27 - #5 @ 1'-0	12'-8	357		
	f2	13 - #5 @ 1'-0	26'-8	362		
	g1	31 - #9 @ 0'-10 1/2	12'-8	1335		
	g2	16 - #9 @ 0'-10	26'-8	1451		



d2 LAYOUT

(SEE SECTION A-A ON SHEET H30-78-06.)

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



d2
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 H30-57-06.

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.

04-13 LATEST REVISION DATE <i>Thomas E. M. Donnell</i> APPROVED BY BRIDGE ENGINEER	
	STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006
TEE PIER-HP10x57 SRL-1 STEEL PILE FOOTINGS 45° SKEW - H=25' to 40'	H30-80-06