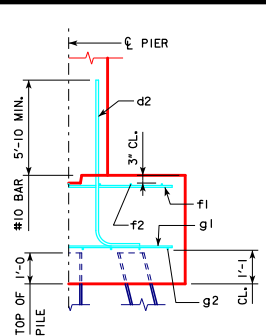
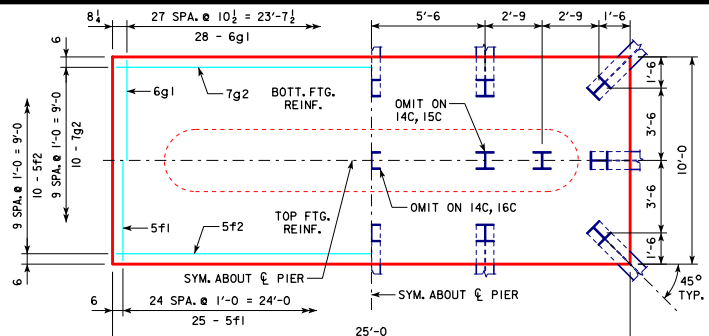


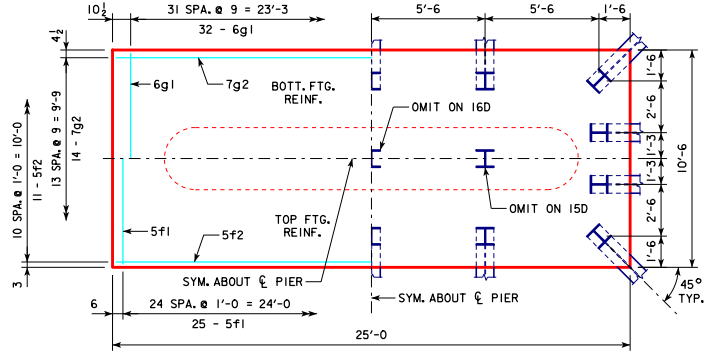
REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.
REVISED 09-2016 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" (WAS 2").



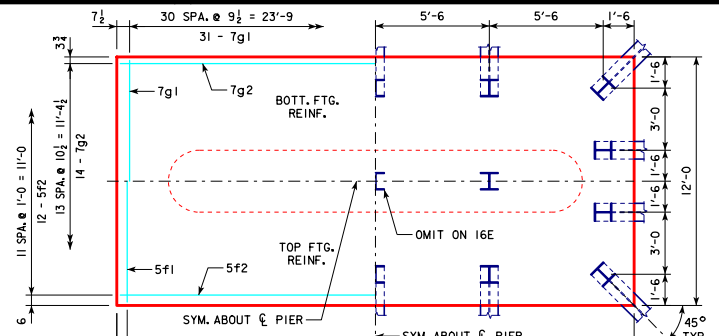
TYPICAL SECTION



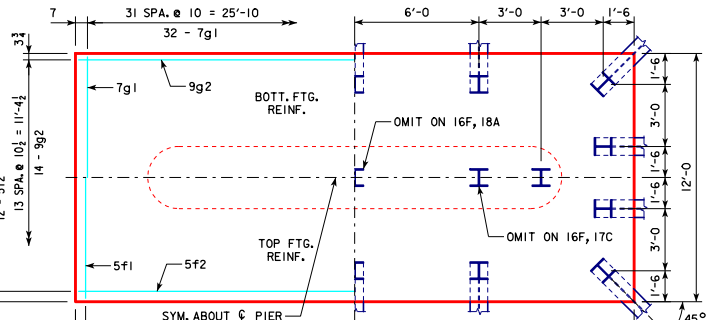
4'-0 x 10'-0 x 25'-0 FOR 14C, 15C & 16C



4'-0 x 10'-6 x 25'-0 FOR 15D, 16D & 17A



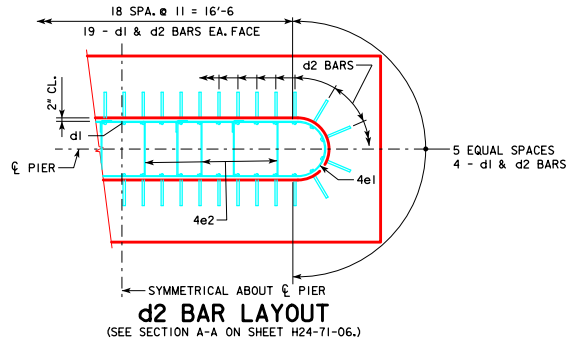
4'-0 x 12'-0 x 25'-0 FOR 16E & 17B



4'-0 x 12'-0 x 27'-0 FOR 16F, 17C & 18A

H IN FT.	C - C ABUT. BRG.	PILING (HP10x57)		FOOTING SIZE
		NO. & LAYOUT	LRFD P _u STRENGTH I, DES. LOAD (KIPS)	
201'-4	14C	144		4' x 10' x 25'
213'-10	15C	142		
226'-4	16C	141		
243'-0	16C	145		
201'-4	15D	138		4' x 10'-6 x 25'
213'-10	15D	143		
226'-4	16D	141		
243'-0	16D	146		
201'-4	15D	143		4' x 10'-6 x 25'
213'-10	16D	141		
226'-4	16D	146		
243'-0	17A	145		
201'-4	16E	140		4' x 12' x 25'
213'-10	16E	144		
226'-4	17B	143		
243'-0	17B	146		
201'-4	16F	144		4' x 12' x 27'
213'-10	17C	142		
226'-4	17C	146		
243'-0	18A	144		

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	
4' x 10' x 25'	d2 46 - #10 AS SHOWN	10'-6	2078	3498	37.0
	f1 25 - #5 @ 1'-0	9'-8	252		
	f2 10 - #5 @ 1'-0	24'-8	257		
	g1 28 - #6 @ 0'-10 1/2	9'-8	407		
	g2 10 - #7 @ 1'-0	24'-8	504		
	d2 46 - #10 AS SHOWN	10'-6	2078		
4' x 10'-6 x 25'	f1 25 - #5 @ 1'-0	10'-2	265	3821	38.9
	f2 11 - #5 @ 1'-0	24'-8	283		
	g1 32 - #6 @ 0'-9	10'-2	489		
	g2 14 - #7 @ 0'-9	24'-8	706		
	d2 46 - #10 AS SHOWN	10'-6	2078		
	f1 25 - #5 @ 1'-0	11'-8	304		
4' x 12' x 25'	f1 12 - #5 @ 1'-0	24'-8	309	4136	44.4
	f2 14 - #7 @ 0'-9 1/2	11'-8	739		
	g1 31 - #7 @ 0'-9 1/2	11'-8	739		
	g2 14 - #7 @ 0'-10 1/2	24'-8	706		
	d2 46 - #10 AS SHOWN	10'-6	2078		
	f1 27 - #5 @ 1'-0	11'-8	329		
4' x 12' x 27'	f1 12 - #5 @ 1'-0	26'-8	334	4773	48.0
	f2 12 - #5 @ 1'-0	26'-8	334		
	g1 32 - #7 @ 0'-10	11'-8	763		
	g2 14 - #9 @ 0'-10 1/2	26'-8	1269		
	d2 46 - #10 AS SHOWN	10'-6	2078		
	f1 27 - #5 @ 1'-0	11'-8	329		



d2 BAR LAYOUT
(SEE SECTION A-A ON SHEET H24-71-06.)

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

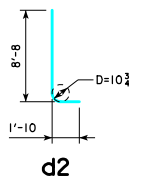
FOOTING NOTES:

THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H24-71-06.

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.



d2

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

09-2016 LATEST REVISION DATE APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	H24-73-06
	TEE PIER-HP10x57 SRL-1 STEEL PILE FOOTINGS 45° SKEW - H=25' TO 40'	