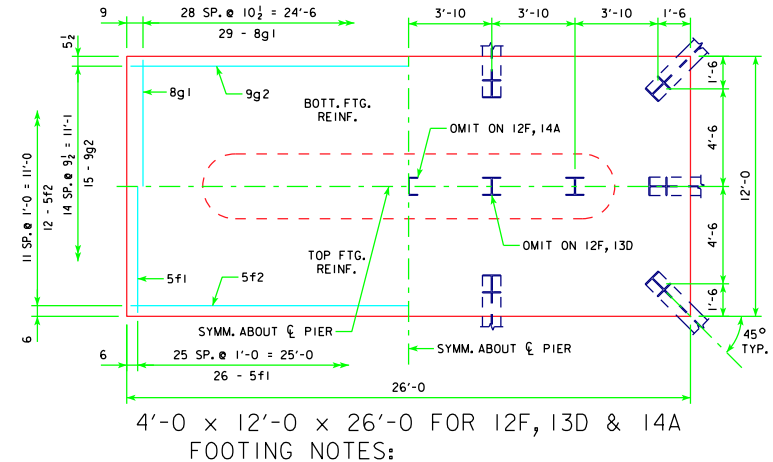
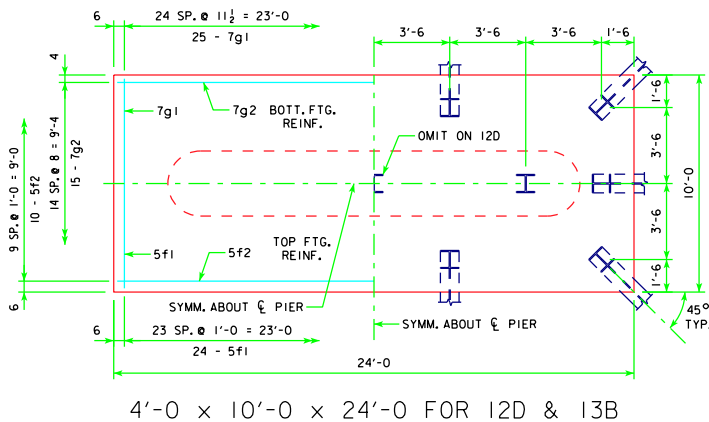
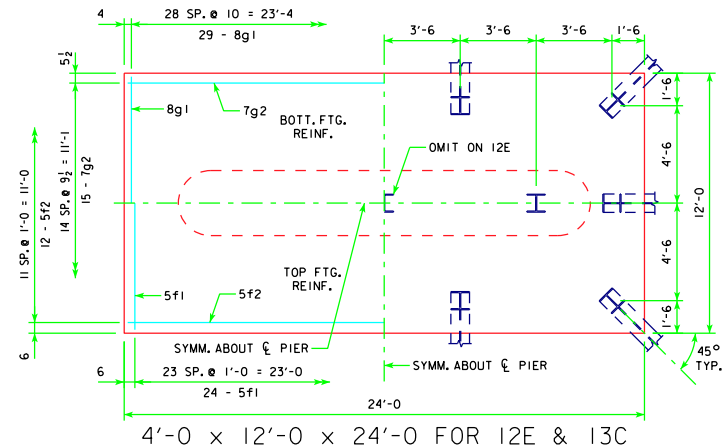
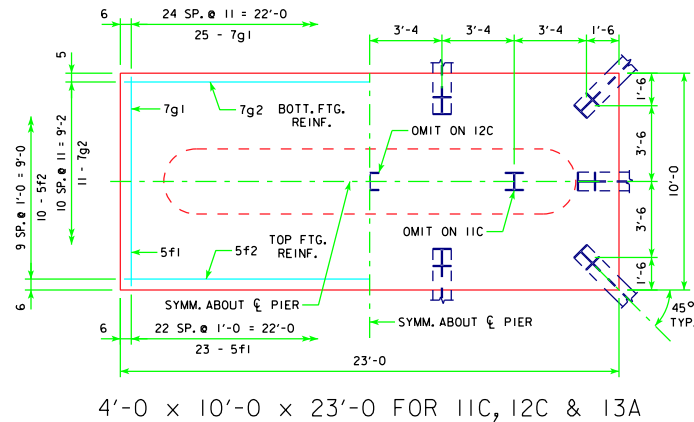
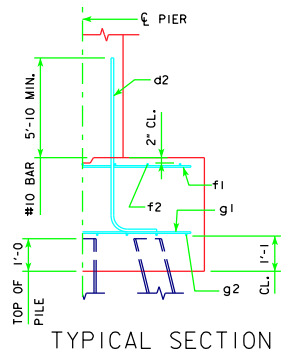
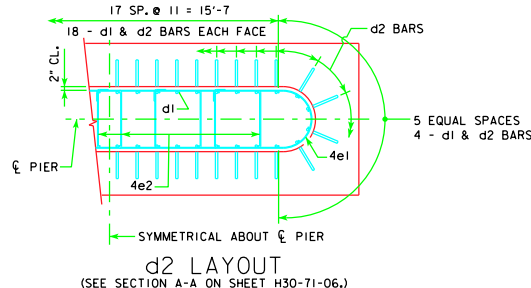




H. IN. FT.	PILING (HP10x57)	NO. & LAYOUT	DES. BRG. (TONS)	LRFD DES. BRG. (KIPS)	FOOTING SIZE
20'1'-4	I1C	75	215		4' x 10' x 23'
213'-10	I2C	71	205		
226'-4	I2C	74	213		
243'-0	I3A	72	208		
20'1'-4	I2C	70	203		4' x 10' x 23'
213'-10	I2C	73	210		
226'-4	I2C	74	218		
243'-0	I3A	74	213		
20'1'-4	I2D	72	207		4' x 10' x 24'
213'-10	I2D	74	214		
226'-4	I3B	73	210		
243'-0	I3B	75	217		
20'1'-4	I2E	72	208		4' x 12' x 24'
213'-10	I2E	74	215		
226'-4	I3C	73	210		
243'-0	I3C	75	217		
20'1'-4	I2F	74	213		4' x 12' x 26'
213'-10	I2F	75	219		
226'-4	I3D	74	214		
243'-0	I4A	72	208		

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 10' x 23'	d2	44 - #10 AS SHOWN	10'-6	1988	3460	34.1
	f1	23 - #5 @ 1'-0	9'-8	232		
	f2	10 - #5 @ 1'-0	22'-8	236		
	g1	25 - #7 @ 0'-11	9'-8	494		
	g2	11 - #7 @ 0'-11	22'-8	510		
	d2	44 - #10 AS SHOWN	10'-6	1988		
4' x 10' x 24'	f1	24 - #5 @ 1'-0	9'-8	242	3697	35.6
	f2	10 - #5 @ 1'-0	23'-8	247		
	g1	25 - #7 @ 0'-11 1/2	9'-8	494		
	g2	15 - #7 @ 0'-8	23'-8	726		
	d2	44 - #10 AS SHOWN	10'-6	1988		
	f1	24 - #5 @ 1'-0	11'-8	292		
4' x 12' x 24'	f2	12 - #5 @ 1'-0	23'-8	296	4205	42.7
	g1	29 - #8 @ 0'-10	11'-8	903		
	g2	15 - #7 @ 0'-9 1/2	23'-8	726		
	d2	44 - #10 AS SHOWN	10'-6	1988		
	f1	26 - #5 @ 1'-0	11'-8	316		
	f2	12 - #5 @ 1'-0	25'-8	321		
4' x 12' x 26'	g1	29 - #8 @ 0'-10 1/2	11'-8	903	4837	46.2
	g2	15 - #9 @ 0'-9 1/2	25'-8	1309		



- FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.
- FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.

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 H30-71-06.

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.

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER		
		STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES DECEMBER, 2006	
		TEE PIER - 75 TON STEEL PILE FOOTINGS 30° SKEW - H=25' to 40'	H30-75-06