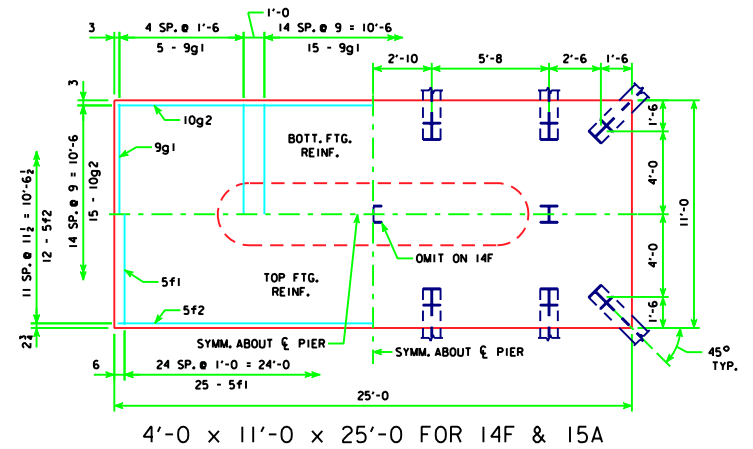
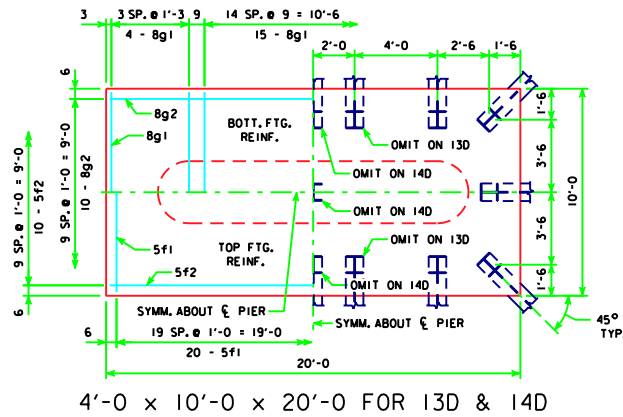
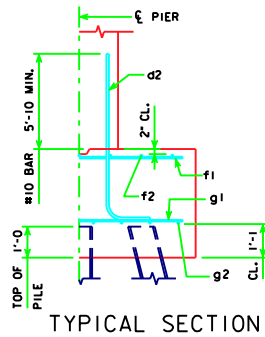
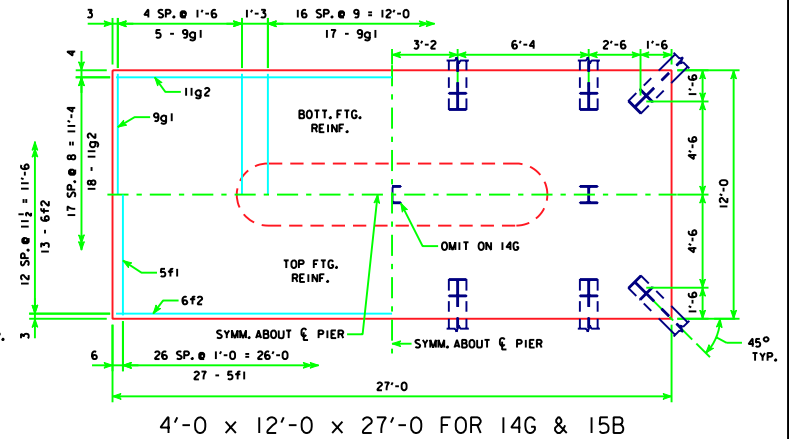
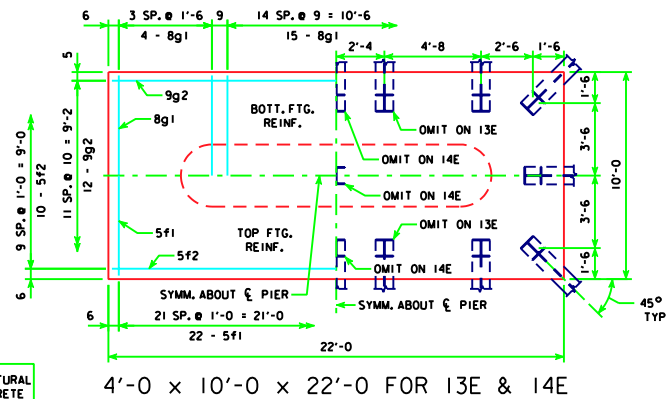
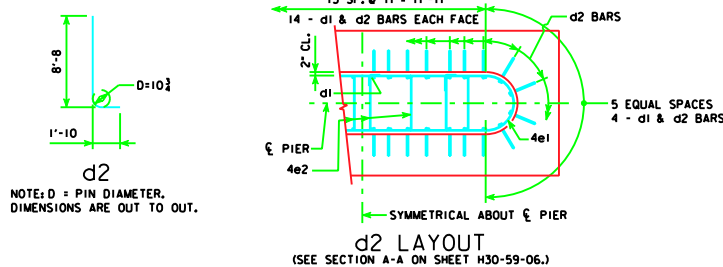




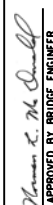
H IN FT.	CL. ABUT. BRG.	PILING NO. & LAYOUT	DES. BRG. (TONS)	FOOTING SIZE
20'-4"	130	48	48	4' x 10' x 20'
21'-10"	130	50	50	4' x 10' x 20'
22'-4"	140	49	49	4' x 10' x 20'
23'-0"	140	50	50	4' x 10' x 20'
20'-4"	130	48	48	4' x 10' x 22'
21'-10"	130	50	50	4' x 10' x 22'
22'-4"	140	49	49	4' x 10' x 22'
23'-0"	140	50	50	4' x 10' x 22'
20'-4"	14F	47	47	4' x 11' x 25'
21'-10"	14F	48	48	4' x 11' x 25'
22'-4"	14F	50	50	4' x 11' x 25'
23'-0"	15A	49	49	4' x 11' x 25'
20'-4"	14G	48	48	4' x 12' x 27'
21'-10"	14G	49	49	4' x 12' x 27'
22'-4"	15B	48	48	4' x 12' x 27'
23'-0"	15B	50	50	4' x 12' x 27'
20'-4"	14G	49	49	4' x 12' x 27'
21'-10"	14G	50	50	4' x 12' x 27'
22'-4"	15B	49	49	4' x 12' x 27'
23'-0"	15B	50	50	4' x 12' x 27'



FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
4' x 10' x 20'	d2	36 - #10 AS SHOWN	10'-6"	1627	3153	29.6
	f1	20 - #5 @ 1'-0"	9'-8"	202		
	f2	10 - #5 @ 1'-0"	19'-8"	205		
	g1	23 - #8 AS SHOWN	9'-8"	594		
	g2	10 - #8 @ 1'-0"	19'-8"	525		
	d2	36 - #10 AS SHOWN	10'-6"	1627		
4' x 10' x 22'	f1	22 - #5 @ 1'-0"	9'-8"	222	3553	32.6
	f2	10 - #5 @ 1'-0"	21'-8"	226		
	g1	23 - #8 AS SHOWN	9'-8"	594		
	g2	12 - #9 @ 0'-10"	21'-8"	884		
	d2	36 - #10 AS SHOWN	10'-6"	1627		
	f1	25 - #5 @ 1'-0"	10'-8"	278		
4' x 11' x 25'	f2	12 - #5 @ 0'-11"	24'-8"	309	4713	40.7
	g1	25 - #9 AS SHOWN	10'-8"	907		
	g2	15 - #10 @ 0'-9"	24'-8"	1592		
	d2	36 - #10 AS SHOWN	10'-6"	1627		
	f1	27 - #5 @ 1'-0"	11'-8"	329		
	f2	13 - #6 @ 0'-11"	26'-8"	521		
4' x 12' x 27'	g1	27 - #9 AS SHOWN	11'-8"	1071	6098	48.0
	g2	18 - #11 @ 0'-8"	26'-8"	2550		



NOTE:
SEE SHEET H30-60-06 FOR FOOTING NOTES.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division	
		STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES	
		HL93 SUPERSTRUCTURE	DECEMBER, 2006
		TEE PIER - STEEL PILE FOOTINGS, H=25' TO 40' 30° SKEW	
		H30-61-06	