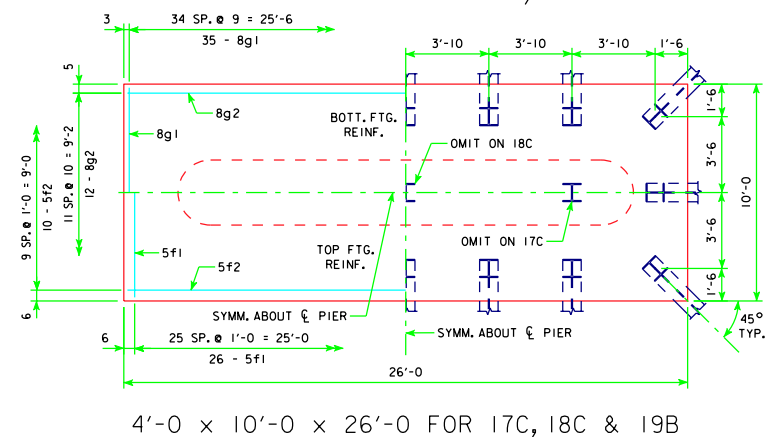
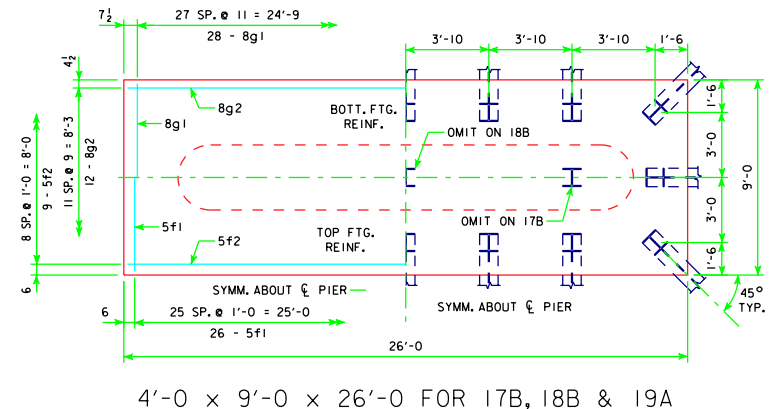
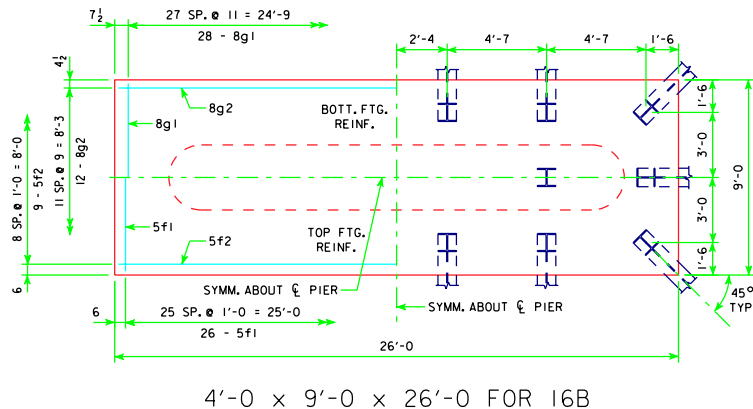
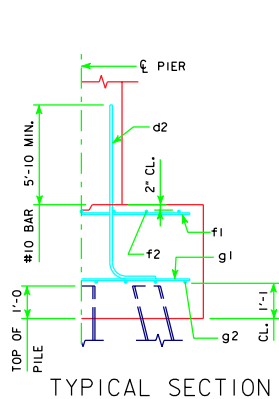




FOOTING NOTES:

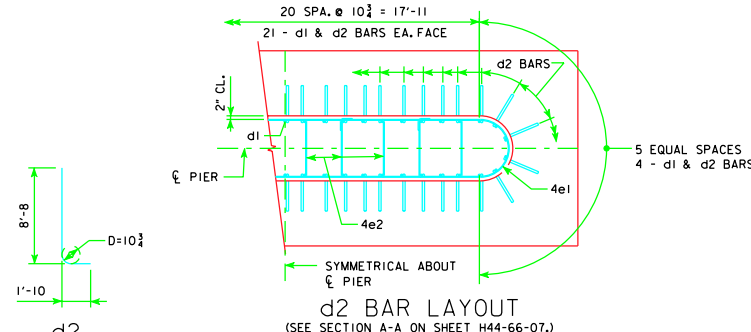
THESE FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H44-66-07.

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.

H IN FT.	CL - CL ABUT. BRG.	NO. & LAYOUT	DES. BRG. (TONS)	2) LRFD DES. BRG. (KIPS)	FOOTING SIZE
201'-4	16B	74	212		
213'-10	17B	73	210		4' x 9' x 26'
226'-4	17B	75	219		
243'-0	18B	74	213		
201'-4	16B	75	216		
213'-10	17B	74	214		4' x 9' x 26'
226'-4	18B	72	209		
243'-0	18B	75	216		
201'-4	17B	73	210		
213'-10	17B	75	217		4' x 9' x 26'
226'-4	18B	73	212		
243'-0	19A	74	213		
201'-4	17C	73	212		
213'-10	17C	75	219		4' x 10' x 26'
226'-4	18C	74	213		
243'-0	19B	74	214		
201'-4	17C	75	216		
213'-10	18C	72	209		4' x 10' x 26'
226'-4	18C	75	218		
243'-0	19B	75	218		

FOOTING SIZE	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)	TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
4' x 9' x 26'	d2	50 - #10 AS SHOWN	10'-6	2259	4205	34.7
	f1	26 - #5 @ 1'-0	8'-8	235		
	f2	9 - #5 @ 1'-0	25'-8	241		
	g1	28 - #8 @ 0'-11	8'-8	648		
4' x 10' x 26'	g2	12 - #8 @ 0'-9	25'-8	822	4514	38.5
	d2	50 - #10 AS SHOWN	10'-6	2259		
	f1	26 - #5 @ 1'-0	9'-8	262		
	f2	10 - #5 @ 1'-0	25'-8	268		
	g1	35 - #8 @ 0'-9	9'-8	903		
	g2	12 - #8 @ 0'-10	25'-8	822		



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

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

11-09	LATEST REVISION DATE		Iowa Department of Transportation Highway Division	
			STANDARD DESIGN - 44' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES MARCH, 2007	
			TEE PIER - 75 TON STEEL PILE FOOTINGS 30° SKEW - H=25' TO 40'	H44-71-07