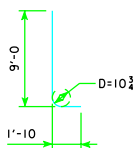


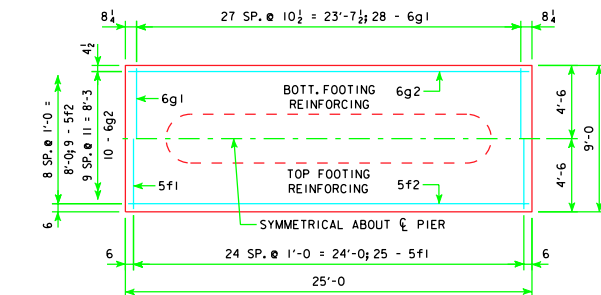
TYPICAL SECTION

H IN IN FT.	CEILING HEIGHT BEG.	FOOTING SIZE
16 TO 18	138"-10	
	151"-4	
	163"-0	3'-6 x 9' x 25'
	176"-4	
	188"-0	
19 TO 21	201"-4	3'-6 x 9' x 27'
	213"-0	
	226"-4	3'-6 x 9' x 29'
	238"-0	
	243"-0	3'-6 x 9' x 31'
22 TO 24	138"-0	
	151"-4	
	163"-0	3'-6 x 9' x 25'
	176"-4	
	188"-0	
25 TO 27	201"-4	3'-6 x 9' x 27'
	213"-0	
	226"-4	3'-6 x 9' x 29'
	238"-0	
	243"-0	3'-6 x 9' x 31'
28 TO 30	138"-0	
	151"-4	
	163"-0	3'-6 x 9' x 25'
	176"-4	
	188"-0	
31 TO 33	201"-4	3'-6 x 9' x 27'
	213"-0	
	226"-4	3'-6 x 9' x 29'
	238"-0	
	243"-0	3'-6 x 9' x 31'

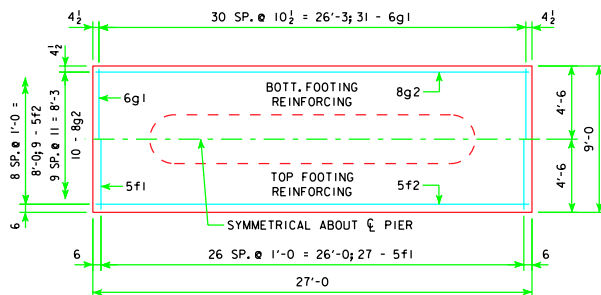
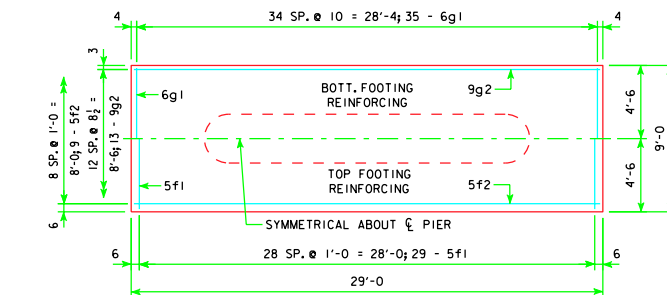


NOTE: D = PIN DIAMETER.
DIMENSIONS ARE OUT TO OUT.

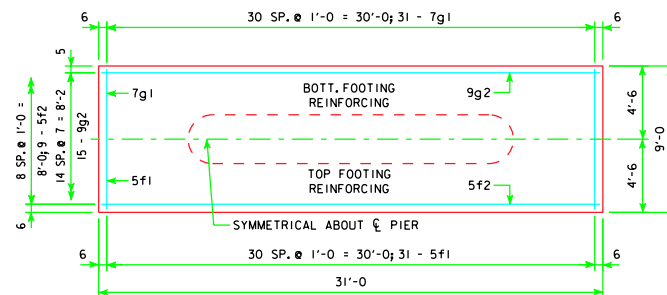
FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				TOTAL WEIGHT (LB.)	STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	WEIGHT (LB.)		
3'-6 x 9' x 25'	d2	48 - #10 AS SHOWN	10'-10"	2238	3430	29.2
	f1	25 - #5 @ 1'-0"	8'-8"	226		
	f2	9 - #5 @ 1'-0"	24'-8"	232		
	g1	28 - #6 @ 0'-10 1/2"	8'-8"	364		
	g2	10 - #6 @ 0'-11"	24'-8"	370		
3'-6 x 9' x 27'	d2	48 - #10 AS SHOWN	10'-10"	2238	3848	31.5
	f1	27 - #5 @ 1'-0"	8'-8"	244		
	f2	9 - #5 @ 1'-0"	26'-8"	250		
	g1	31 - #6 @ 0'-10 1/2"	8'-8"	404		
	g2	10 - #8 @ 0'-11"	26'-8"	712		
3'-6 x 9' x 29'	d2	48 - #10 AS SHOWN	10'-10"	2238	4492	33.8
	f1	29 - #5 @ 1'-0"	8'-8"	262		
	f2	9 - #5 @ 1'-0"	28'-8"	269		
	g1	35 - #6 @ 0'-10"	8'-8"	456		
	g2	13 - #9 @ 0'-8 1/2"	28'-8"	1267		
3'-6 x 9' x 31'	d2	48 - #10 AS SHOWN	10'-10"	2238	4919	36.2
	f1	31 - #5 @ 1'-0"	8'-8"	280		
	f2	9 - #5 @ 1'-0"	30'-8"	288		
	g1	31 - #7 @ 1'-0"	8'-8"	549		
	g2	15 - #9 @ 0'-7"	30'-8"	1564		



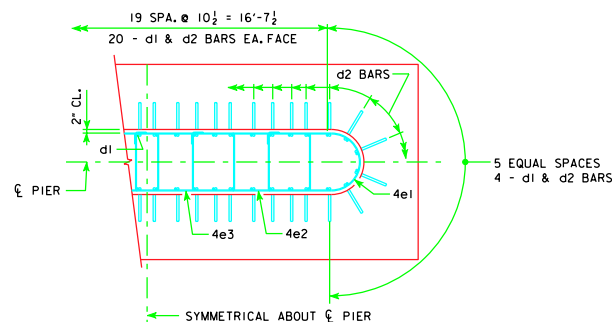
3'-6 x 9'-0 x 25'-0


$$3'-6 \times 9'-0 \times 27'-0$$


3'-6 x 9'-0 x 29'-0



3'-6 x 9'-0 x 31'-0



d2 LAYOUT
(SEE SECTION A-A ON SHEET H40-73-06.)

FOOTING NOTES:

THESE SPREAD FOOTINGS ARE DESIGNED AND DETAILED TO BE USED WITH THE
CAP AND COLUMN DETAILS OF THE TEE PIERS AS SHOWN ON SHEET H40-73-06.

THESE SPREAD FOOTINGS SHALL EXTEND AT LEAST 6 INCHES INTO SUITABLE FOUNDATION ROCK AND THE LAST 6 INCHES OF ROCK EXCAVATION SHALL BE TO NEAT LINES OF MASONRY. THE FOUNDATION ROCK SHALL HAVE A MINIMUM LRFD NOMINAL BEARING RESISTANCE OF 30 kips PER SQUARE FOOT (ALLOWABLE BEARING VALUE OF AT LEAST 5 TONS PER SQUARE FOOT).

10-09 LATEST REVISION DATE <i>Norman E. Mc Donald</i> APPROVED BY BRIDGE ENGINEER	 Iowa Department of Transportation Highway Division	
	STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES AUGUST, 2009	
	TEE PIER - SPREAD FOOTINGS 30° SKEW - H=16' TO 24'	H40-79-06