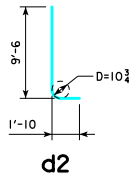


REVISED 04-12 - EXCAVATION LIMIT WAS CHANGED TO 3'-0".  
REVISED 09-2016 - CHANGED VERTICAL CLEARANCE OF REBAR "f2" TO TOP OF PIER FOOTING TO 3" (WAS 2").

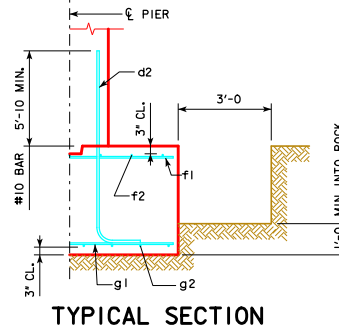
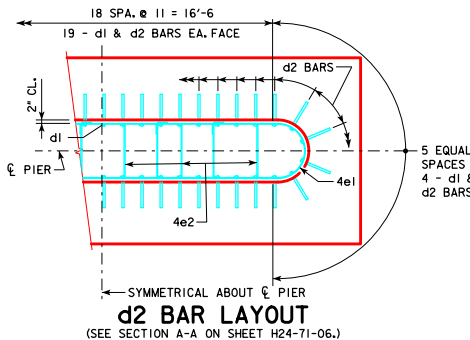
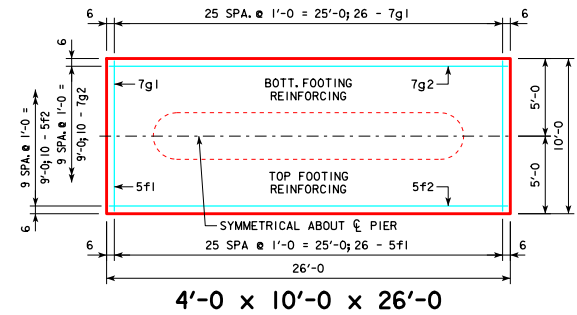
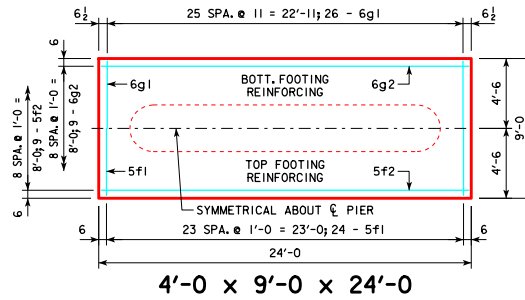
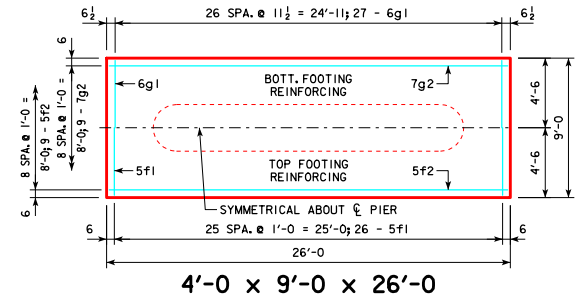
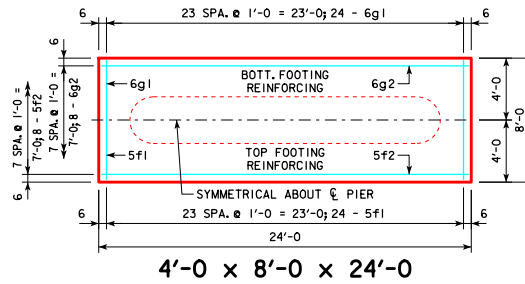


**d2**

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

H IN FT.	CL - CL ABUT. BRG.	FOOTING SIZE
25 TO 27	138'-10"	4' x 8' x 24'
	151'-4"	
	163'-10"	
	176'-4"	
	188'-10"	
28 TO 30	201'-4"	4' x 9' x 24'
	213'-10"	
	226'-4"	
	239'-0"	
	251'-4"	
34 TO 36	31 TO 33	4' x 9' x 26'
	201'-4"	
	213'-10"	
	226'-4"	
	239'-0"	
37 TO 40	35 TO 37	4' x 10' x 26'
	201'-4"	
	213'-10"	
	226'-4"	
	239'-0"	

FOOTING SIZE	REINFORCING STEEL (ONE FOOTING)				STRUCTURAL CONCRETE (CY)
	BAR	NO., SIZE & SPACING	LENGTH	TOTAL WEIGHT (LB.)	
4' x 8' x 24'	d2	46 - #10 AS SHOWN	11'-4"	2243	3192
	f1	24 - #5 @ 1'-0"	7'-8"	192	
	f2	8 - #5 @ 1'-0"	23'-8"	197	
	g1	24 - #6 @ 1'-0"	7'-8"	276	
	g2	8 - #6 @ 1'-0"	23'-8"	284	
4' x 9' x 24'	d2	46 - #10 AS SHOWN	11'-4"	2243	3340
	f1	24 - #5 @ 1'-0"	8'-8"	217	
	f2	9 - #5 @ 1'-0"	23'-8"	222	
	g1	26 - #6 @ 0'-11"	8'-8"	338	
	g2	9 - #6 @ 1'-0"	23'-8"	320	
4' x 9' x 26'	d2	46 - #10 AS SHOWN	11'-4"	2243	3542
	f1	26 - #5 @ 1'-0"	8'-8"	235	
	f2	9 - #5 @ 1'-0"	25'-8"	241	
	g1	27 - #6 @ 0'-11 1/2"	8'-8"	351	
	g2	9 - #7 @ 1'-0"	25'-8"	472	
4' x 10' x 26'	d2	46 - #10 AS SHOWN	11'-4"	2243	3812
	f1	26 - #5 @ 1'-0"	9'-8"	262	
	f2	10 - #5 @ 1'-0"	25'-8"	268	
	g1	26 - #7 @ 1'-0"	9'-8"	514	
	g2	10 - #7 @ 1'-0"	25'-8"	525	



**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 H24-71-06.

THESE SPREAD FOOTINGS SHALL EXTEND AT LEAST 12 INCHES INTO SUITABLE FOUNDATION ROCK AND THE LAST 12 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 10 KIPS PER SQUARE FOOT).

LATEST REVISION DATE 09-2016 APPROVED BY BRIDGE ENGINEER <i>Thomas E. McQuill</i>		
	STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE <b>PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES</b> DECEMBER, 2006	
	<b>TEE PIER - SPREAD FOOTINGS</b>	<b>H24-77-06</b>

45° SKEW - H=25' TO 40'