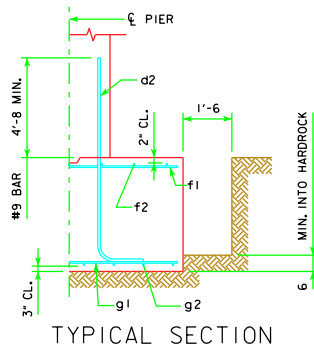
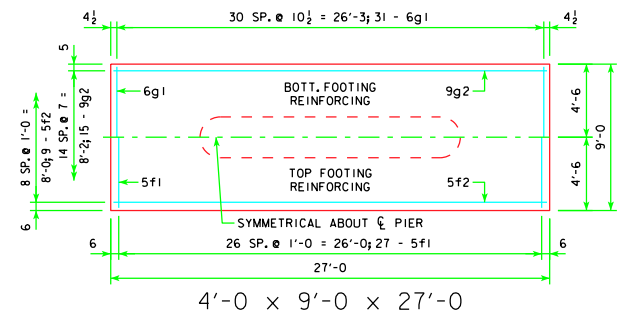
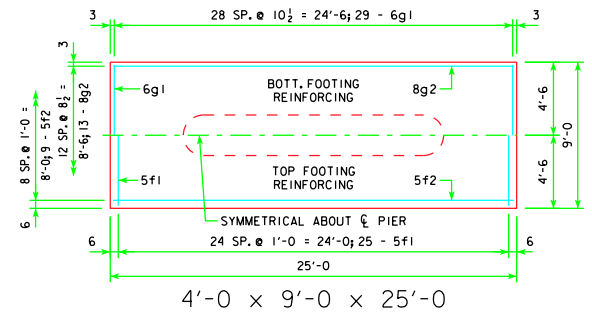
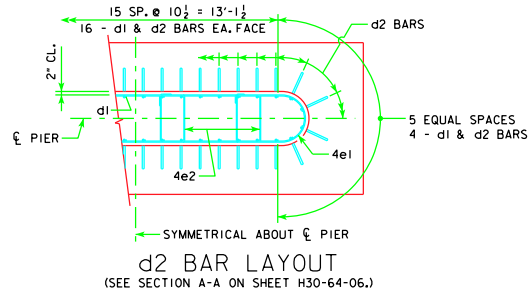
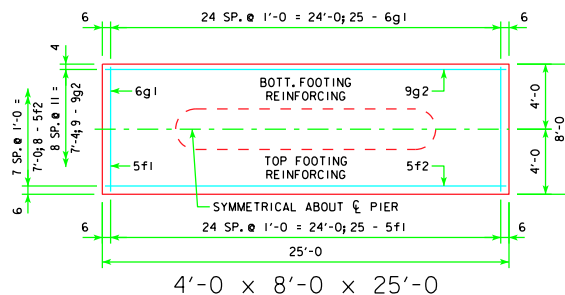
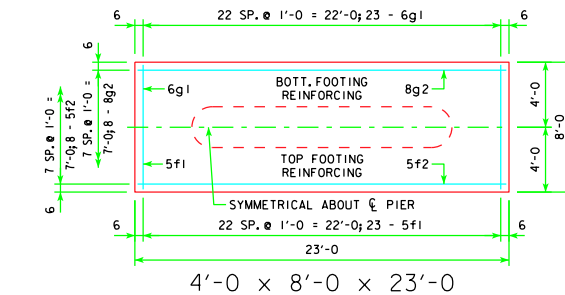


d2

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.) |                    |                          |
| 4' x 8' x 23' | d2                              | 40 - #9 AS SHOWN     | 9'-11" | 1349         | 2471               | 27.3                     |
|               | f1                              | 23 - #5 @ 1'-0"      | 7'-8"  | 184          |                    |                          |
|               | f2                              | 8 - #5 @ 1'-0"       | 22'-8" | 189          |                    |                          |
|               | g1                              | 23 - #6 @ 1'-0"      | 7'-8"  | 265          |                    |                          |
|               | g2                              | 8 - #8 @ 1'-0"       | 22'-8" | 484          |                    |                          |
| 4' x 8' x 25' | d2                              | 40 - #9 AS SHOWN     | 9'-11" | 1349         | 2798               | 29.6                     |
|               | f1                              | 25 - #5 @ 1'-0"      | 7'-8"  | 200          |                    |                          |
|               | f2                              | 8 - #5 @ 1'-0"       | 24'-8" | 206          |                    |                          |
|               | g1                              | 25 - #6 @ 1'-0"      | 7'-8"  | 288          |                    |                          |
|               | g2                              | 9 - #9 @ 0'-11"      | 24'-8" | 755          |                    |                          |
| 4' x 9' x 25' | d2                              | 40 - #9 AS SHOWN     | 9'-11" | 1349         | 3041               | 33.3                     |
|               | f1                              | 25 - #5 @ 1'-0"      | 8'-8"  | 226          |                    |                          |
|               | f2                              | 9 - #5 @ 1'-0"       | 24'-8" | 232          |                    |                          |
|               | g1                              | 29 - #6 @ 0'-10 1/2" | 8'-8"  | 378          |                    |                          |
|               | g2                              | 13 - #8 @ 0'-8 1/2"  | 24'-8" | 856          |                    |                          |
| 4' x 9' x 27' | d2                              | 40 - #9 AS SHOWN     | 9'-11" | 1349         | 3607               | 36.0                     |
|               | 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                              | 15 - #9 @ 0'-7"      | 26'-8" | 1360         |                    |                          |



## 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 H30-64-06.

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 KIIPS PER SQUARE FOOT (ALLOWABLE BEARING VALUE OF AT LEAST 5 TONS PER SQUARE FOOT).

|                                                                                              |                                                                                                                                             |           |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 07-10<br>LATEST REVISION DATE<br><br><i>Norman E. McQuinn</i><br>APPROVED BY BRIDGE ENGINEER |  Iowa Department of Transportation<br>Highway Division |           |
|                                                                                              | STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES<br>PRETENSIONED PRESTRESSED<br>CONCRETE BEAM BRIDGES<br>DECEMBER, 2006                    |           |
|                                                                                              | TEE PIER - SPREAD<br>FOOTINGS<br>15° SKEW - H-25' to 40'                                                                                    | H30-70-06 |