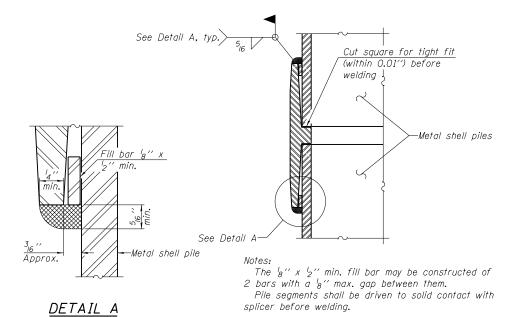
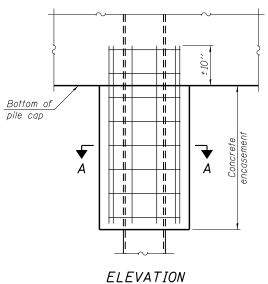


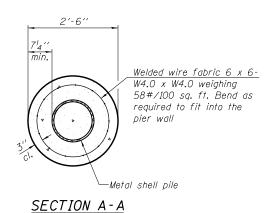
### METAL SHELL PILE TABLE

| Designation<br>and outside<br>diameter | Wall<br>thickness<br>t | Weight per foot (Lbs./ft.) | Inside<br>volume<br>(yd.³ /ft.) |  |
|--|------------------------|----------------------------|---------------------------------|--|
| PP12                                   | 0.179''                | 22.60                      | 0.0274                          |  |
| PP12                                   | 0.250′′                | 31.37                      | 0.0267                          |  |
| PP14                                   | 0.250′′                | 36.71                      | 0.0368                          |  |
| PP14                                   | 0.312"                 | 45.61                      | 0.0361                          |  |



### WELDED COMMERCIAL SPLICE

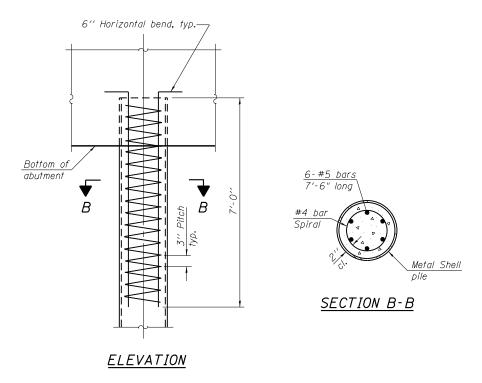




Note:

Forms for encasement may be omitted when soil conditions permit.

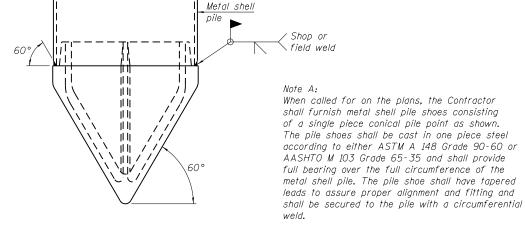
### CONCRETE ENCASEMENT AT PIERS



# METAL SHELL REINFORCEMENT AT ABUTMENTS

## 

### END PLATE ATTACHMENT



#### METAL SHELL PILE SHOE ATTACHMENT

(See Note A)

1-27-12

### COMPLETE PENETRATION WELD SPLICE

\* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

Note:

Field fabricated

or commercial

backing ring

The metal shell piles shall be according to ASTM A 252 Grade 3.

/\* Shop or

∖ field weld

| COLLINS 123 N. Bocker Dr. Suttre 8001 1. 61666 ENGINEERS 2 fox 131 27 706-931 CM www.coll finsengr.co. ILLIHOIS PROFESSIONAL DESIGN FIRM LICENS 60.184-808 |
|--|
|--|

F-MS

| USER NAME =  | DESIGNED | - | EKM | REVISED |
|--------------|----------|---|-----|---------|
|              | CHECKED  | - | LDB | REVISED |
| PLOT SCALE = | DRAWN    | - | PRH | REVISED |
| PLOT DATE =  | CHECKED  | - | EKM | REVISED |
|              |          |   |     |         |

| METAL SHELL PILE DETAILS      | F.A.I.<br>RTE. | SECTION                   | COUNTY   | TOTAL<br>SHEETS | SHEET<br>NO. |  |  |
|-------------------------------|----------------|---------------------------|----------|-----------------|--------------|--|--|
| STRUCTURE NO. 016-2573        | 90/94          | 0303-474HB-R              | соок     | 368             | 308          |  |  |
| 31NUCTURE NO. 010-2573        |                |                           | CONTRACT | NO. 6           | OF 63        |  |  |
| SHEET NO. ST26 OF ST30 SHEETS |                | ILLINOIS FED. AID PROJECT |          |                 |              |  |  |