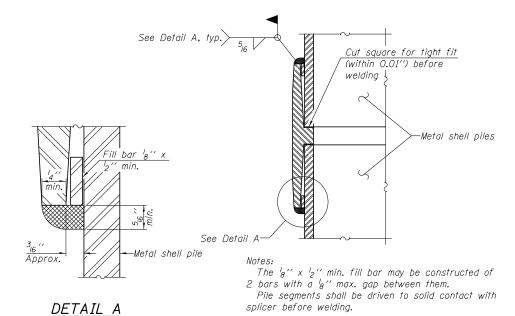
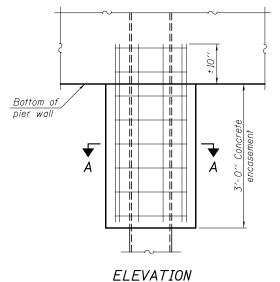


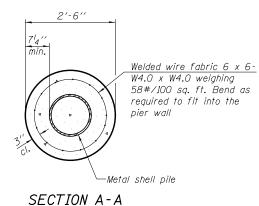
METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (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



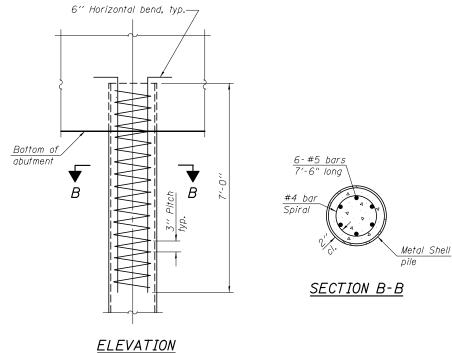
WELDED COMMERCIAL SPLICE





Forms for encasement may be omitted when soil conditions permit.

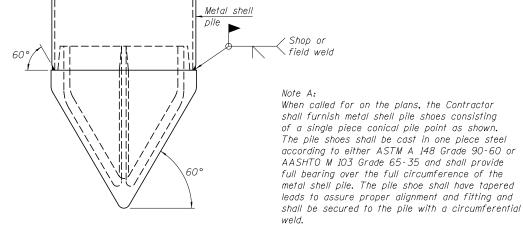
CONCRETE ENCASEMENT AT PIERS



METAL SHELL REINFORCEMENT AT ABUTMENTS

Metal shell pile a'' End plate field weld s = t - 16"

END PLATE ATTACHMENT



METAL SHELL PILE SHOE ATTACHMENT

(See Note A)

by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell

Metal shell

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS Chicago, Illinois 312.228.0100 www.bbandainc.com

FILE NAME =

F-MS

7-1-10

The metal shell piles shall be according to

* Shop or

∖ field weld

ASTM A 252 Grade 3. DESIGNED - MRM REVISED USER NAME : SECTION COUNTY **METAL SHELL PILE DETAILS** STATE OF ILLINOIS CHECKED - TL REVISED 1199 49-1(HB & HB-1)R LAKE 225 142 STRUCTURE NO. 049-0533 MTR REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60L76 SHEET NO. S-28 OF S-33 SHEETS PLOT DATE = 1/27/2012 CHECKED - SE REVISED

Field fabricated

s = t - 1/6'

or commercial backing ring