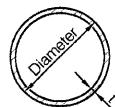
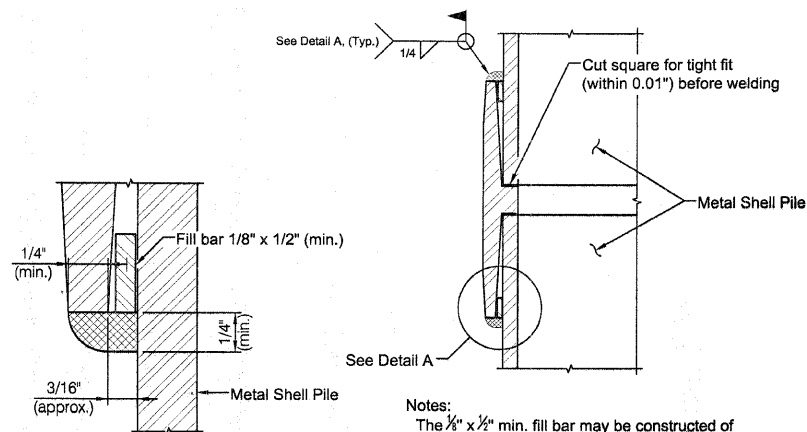


* 163(034)
** 97377



METAL SHELL PILE TABLE

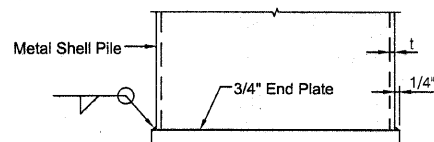
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP14	0.250"	36.71	0.0368



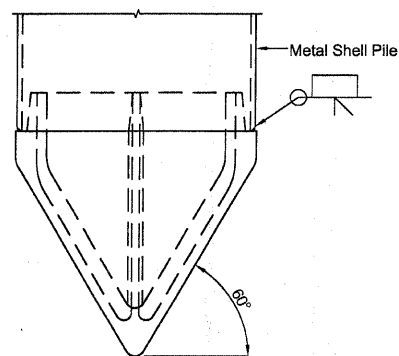
Notes:
The $\frac{1}{8}$ " x $\frac{1}{2}$ " min. fill bar may be constructed of 2 bars with a $\frac{1}{8}$ " max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.

DETAIL A

WELDED COMMERCIAL SPLICE



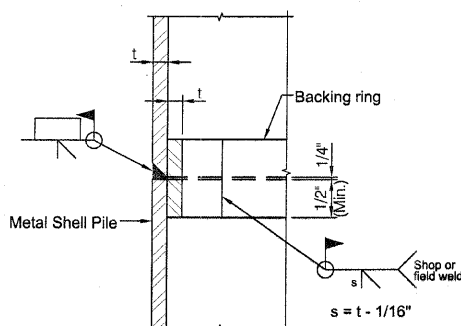
END PLATE ATTACHMENT



METAL SHELL PILE SHOE ATTACHMENT

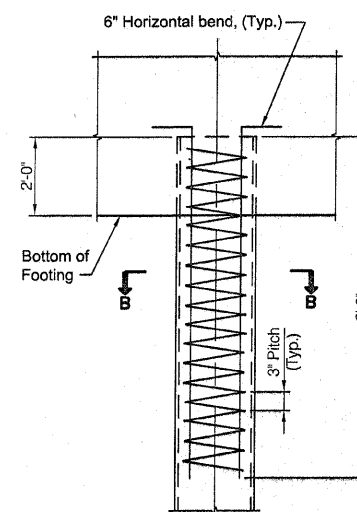
(See Note A)

Note A:
When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld.



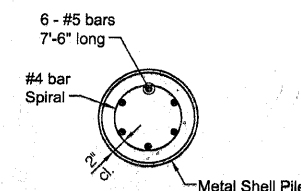
COMPLETE PENETRATION WELD SPLICE

Backing ring made from pile shell. Remove segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION

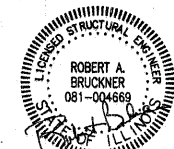
METAL SHELL REINFORCEMENT



SECTION B-B

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

	INITIALS	DATE
DESIGNED		
CHECKED		
DRAWN		
CHECKED		



3-19-2009
License expires: 11-20-2010

BRIDGE OVER DRY LAKE SOUGH
METAL SHELL PILE DETAILS
SAINT CLAIR COUNTY