

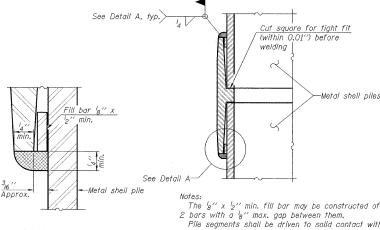
SHEET NO. *B15*

OF 17 SHEETS

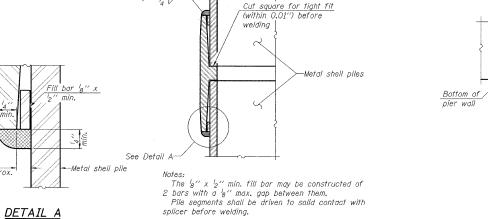


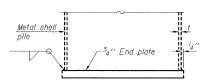
METAL SHELL PILE TABLE

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

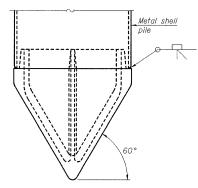


WELDED COMMERCIAL SPLICE



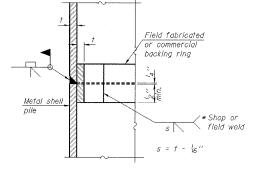


END PLATE ATTACHMENT



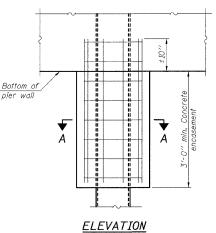
When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full 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

METAL SHELL PILE SHOE ATTACHMENT



COMPLETE PENETRATION WELD SPLICE

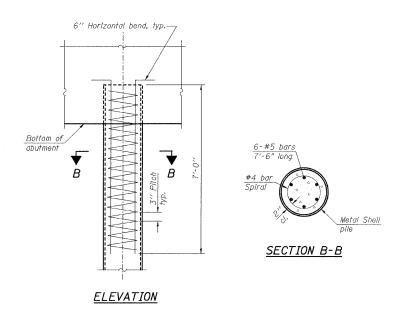
* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



Welded wire fabric 6 x 6-W4.0 x W4.0 weighing 58#/100 sq. ff. Bend as required to fit into the pier wall -Metal shell pile SECTION A-A

Note: Forms for encasement may be omitted when soil conditions permit.

CONCRETE ENCASEMENT AT PIERS



METAL SHELL REINFORCEMENT AT ABUTMENTS

NOTES:

- The metal shell piles shall be according to ASTM A 252 Grade 3.
 The cost of Excavation and Reinforcement is included with furnishing piles.
 The cost of Concrete Encasement is included with Concrete Structures.

SECTION 03-26140-00-BR SECTION 03-21117-00-BR LIVINGSTON COUNTY

METAL SHELL PILE DETAILS

DESIGNED BY S.D.H.	
Drawn by D.J.M.	
M.S.W.	

24-7191 DATE 03/17/09 SHEET NO. 22 of 28