

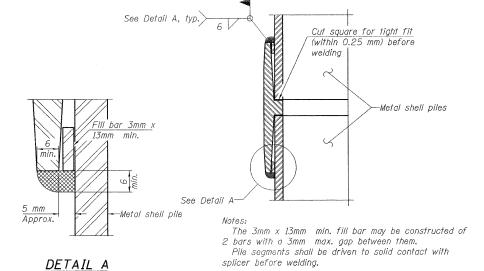
METAL SHELL PILE TABLE

	Wall thickness	Weight per meter	Inside volume
diameter PP12	t (mm) 4.55	(kg/m) 33.63	(m³/m) 0.0687
PP12	6.35	46.68	0.0670
PP14	6.35	54.63	0.0923
PP14	7.92	67.87	0.0906

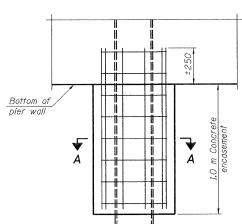
19mm End plate

END PLATE ATTACHMENT

Metal shell pile

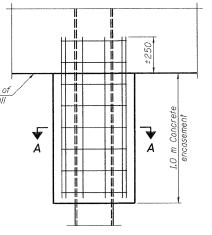


WELDED COMMERCIAL SPLICE



SHEET NO. SHEET NO. F.A.P. 866 4N-1 165 83 13A of 22 LAKE

Contract No.: 60931

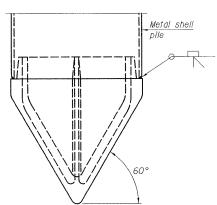


ELEVATION

760 Welded wire fabric 6 x 6-W4.0 x W4.0 weighing 58#/100 sq. ft. (English units) Bend as required to fit into the pier wall Metal shell pile

SECTION A-A

Forms for encasement may be omitted when soil conditions permit.



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.

Metal shel

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

COMPLETE PENETRATION WELD SPLICE

Field fabricated or commercial

s = t - 1.5mm

/*Shop or

ASTM A 252 Grade 3.

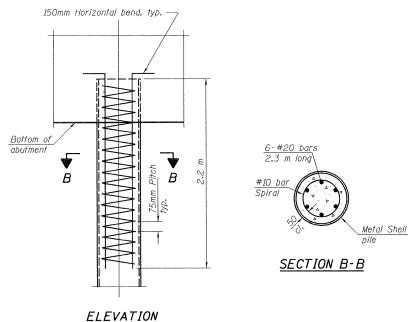
unless noted.

field weld

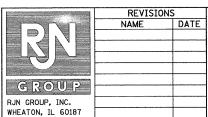
backing ring

The metal shell piles shall be according to All dimensions are in millimeters (mm)

CONCRETE ENCASEMENT



METAL SHELL REINFORCEMENT



ILLINOIS DEPARTMENT OF TRANSPORTATION METAL SHELL PILE DETAILS IL RTE. 132 LAND BRIDGE FAP RTE 866 - SEC 4N-1 LAKE COUNTY STA. 1+143.3

SN 049-D002 DATE: 11-06-09

DRAWN BY BLB CHECKED BY WJV

METAL SHELL PILE SHOE ATTACHMENT (See Note A)