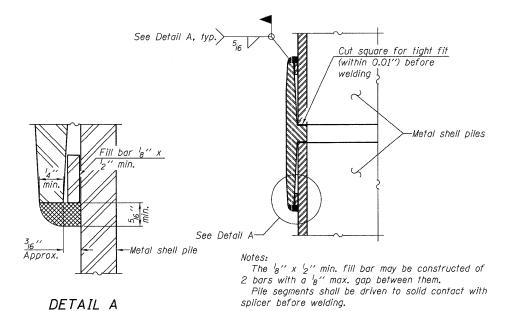
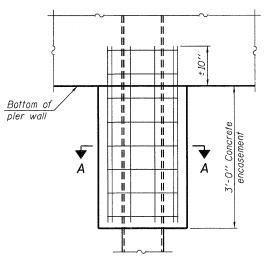


METAL SHELL PILE TABLE

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



ELEVATION

Welded wire fabric 6 x 6W4.0 x W4.0 weighing
58#/100 sq. ft. Bend as
required to fit into the
pier wall

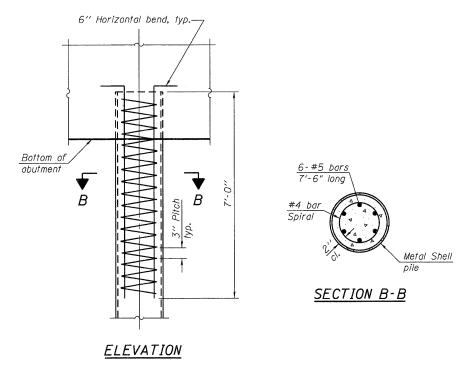
Metal shell pile

<u>SECTION A-A</u>

Note:

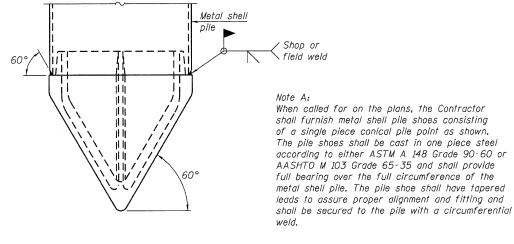
Forms for encasement may be omitted when soil conditions permit.

CONCRETE ENCASEMENT AT PIERS



METAL SHELL REINFORCEMENT AT ABUTMENTS

END PLATE ATTACHMENT



METAL SHELL PILE SHOE ATTACHMENT

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

* Shop or

∖ field weld

Field fabricated

s = t - 16"

or commercial

backing ring

F-MS

7-1-10

USER NAME = dheberling	DESIGNED	-	TJZ	REVISED	-
FILE NAME = D6_SNØ84Ø48Ø.dgn	CHECKED	-	SDS	REVISED	-
PLOT DATE = 9/7/2011	DRAWN	-	DLH	REVISED	-
PLOT TIME = 11:11:36 AM	CHECKED	-	TJZ/SDS	REVISED	-

7018 KINGSMILL CT., SPRINGFIELD, IL (217) 483-9457
ENGINEERING
DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

METAL SHELL PILE DETAILS		SECTION	COUNTY	TOT SHEE
STRUCTURE NO. 084-0480	556	08-00119-04-BR	SANGAMON	25
31NUCTURE NO. 004-0400			CONTRACT	NO.
SHEET NO. 9 OF 11 SHEETS		ILLINOIS FED. A	D PROJECT	