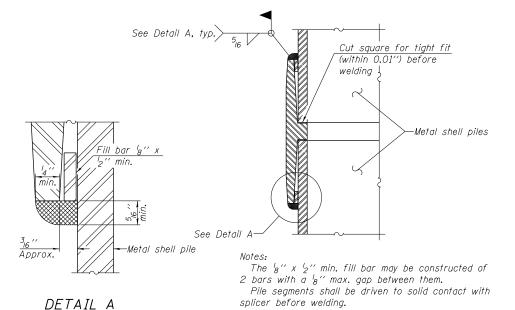
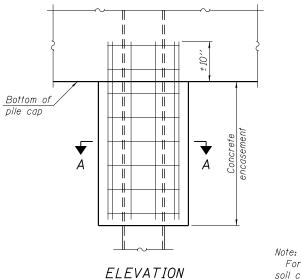


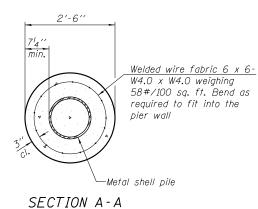
# METAL SHELL PILE TABLE

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

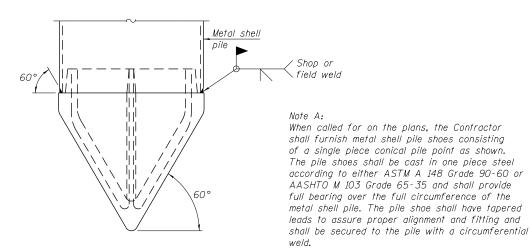




Forms for encasement may be omitted when soil conditions permit.

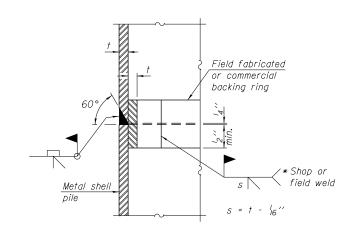
<sup>3</sup>4'' End plate

END PLATE ATTACHMENT



## METAL SHELL PILE SHOE ATTACHMENT

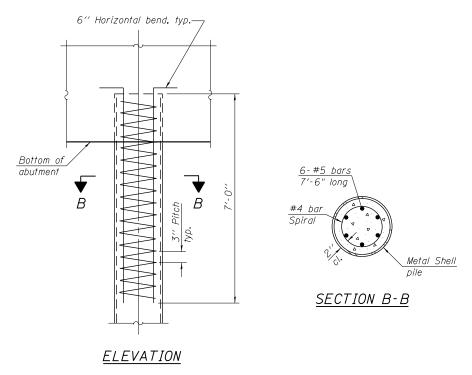
(See Note A)



### 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.

## CONCRETE ENCASEMENT AT PIERS



### METAL SHELL REINFORCEMENT AT ABUTMENTS

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



1-27-12					
USER NAME = jrmickow	DESIGNED	-	JRM	REVISED	-
	CHECKED	-	DL	REVISED	-
PLOT SCALE = 2:0.0000 ':' / in.	DRAWN	-	JRM	REVISED	-
PLOT DATE = 12/5/2012	CHECKED	-	DL	REVISED	-
					·

field weld

s = t - 16"

METAL SHELL PILE DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	
STRUCTURE NO. 016-2844	0305	(1920.01,1518,2022&1922.4B)R	COOK	919	474
3111001011L NO. 010-2044			CONTRACT	NO. 6	OT35
SHEET NO. 24 OF 30 SHEETS		ILLINOIS FED. AI	D PROJECT		

F-MS

Metal shell

pile