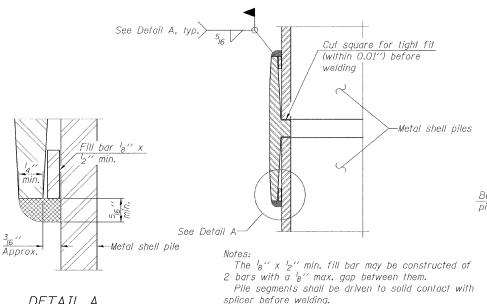


METAL SHELL PILE TABLE

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



DETAIL A

Bottom of ELEVATION

Welded wire fabric 6 x 6-W4.0 x W4.0 weighing 58#/100 sq. ft. 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.

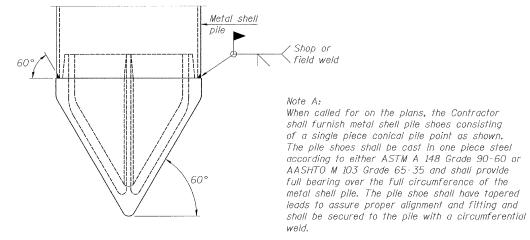
WELDED COMMERCIAL SPLICE

pile " End plate Shop or field weld s = t - 16"

END PLATE ATTACHMENT

Metal shell

F-MS

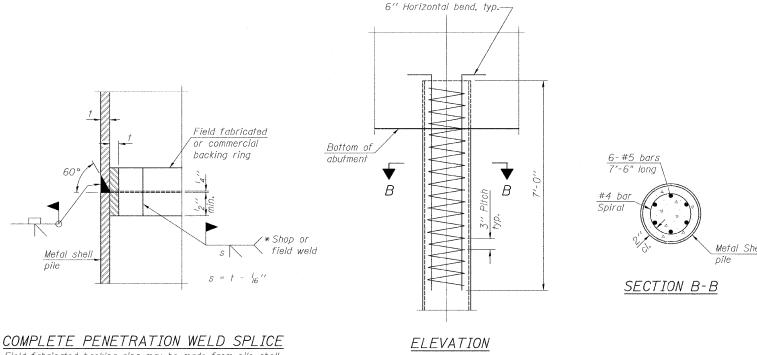


METAL SHELL PILE SHOE ATTACHMENT

11-1-09

(See Note A)

CONCRETE ENCASEMENT AT PIERS



Metal shell

* 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.

METAL SHELL REINFORCEMENT AT ABUTMENTS

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

SCALE:

FILE NAME =	USER NAME = \$USER\$	DESIGNED ~	REVISED -
\$FILEL\$		DRAWN -	REVISED -
	PLOT SCALE - \$SCALE\$	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -



Allen Henderson & Associates, Inc. Civil and Structural Engineers Springfield, IL. 62703 Phone: (217)544–8033 IL. Design Firm No. 184–001907

METAL SHELL PILE DETAILS			T.R. SECTION			COUNTY	TOTAL SHEETS	SHEET NO.			
				43	08-0311	5-00-BR		MENARD	15	10	
							CONTRACT	NO. 9	3530		
	SHEET NO. 10 OF 15 SHEETS	STA.	TO STA.		FED.	ROAD DIST. NO.	ILLINOIS F	ED. AI	D PROJECT		