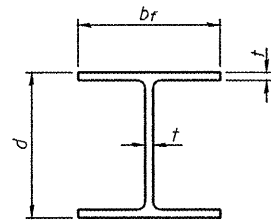
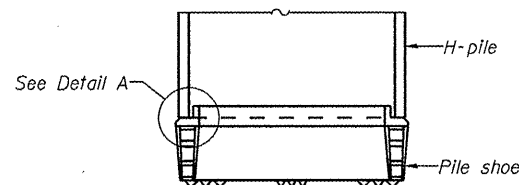


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

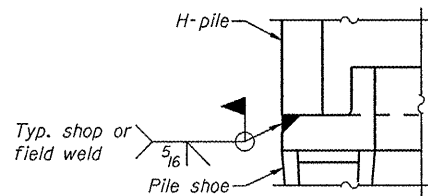


STEEL PILE TABLE

Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13 1/16"	30"
x102	14"	14 3/4"	11 1/16"	30"
x89	13 7/8"	14 3/4"	5 5/8"	30"
x73	13 5/8"	14 5/8"	1 1/2"	30"
HP 12x84	12 1/4"	12 1/4"	11 1/16"	24"
x74	12 1/8"	12 1/4"	5 5/8"	24"
x63	12"	12 1/8"	1 1/2"	24"
x53	11 3/4"	12"	7 1/16"	24"
HP 10x57	10"	10 1/4"	9 1/16"	24"
x42	9 3/4"	10 1/8"	7 1/16"	24"
HP 8x36	8"	8 5/8"	7 1/16"	18"

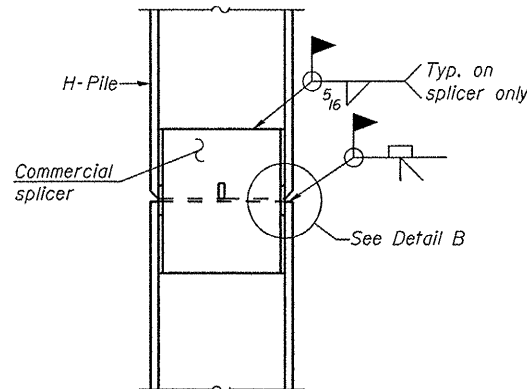


ELEVATION

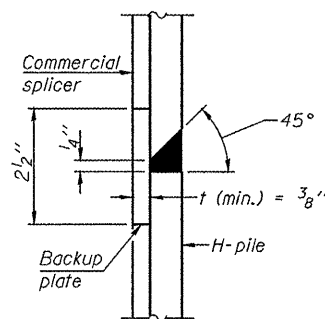


DETAIL A

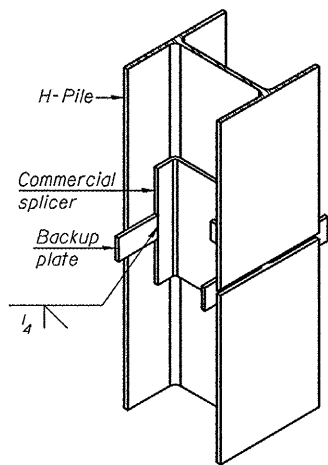
H-PILE SHOE ATTACHMENT



ELEVATION

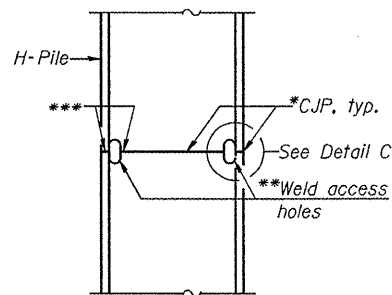


DETAIL "B"

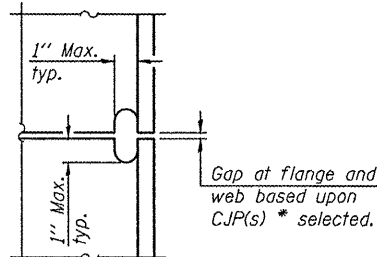


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

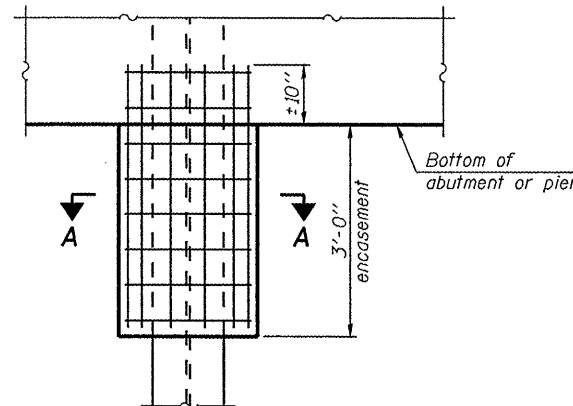


ELEVATION

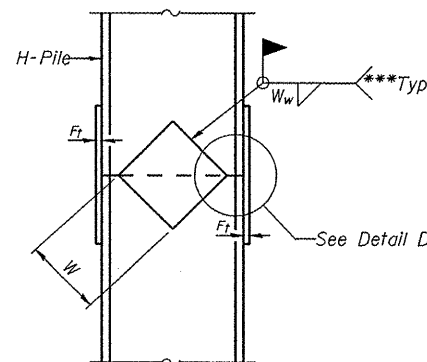


DETAIL C

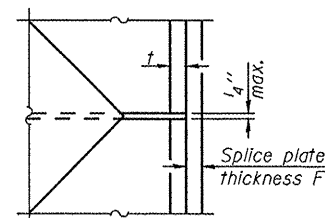
COMPLETE PENETRATION WELD SPLICE



ELEVATION

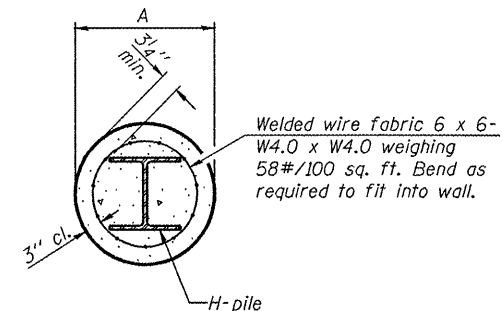


ELEVATION



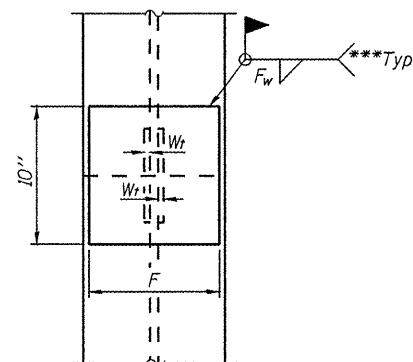
DETAIL D

WELDED PLATE FIELD SPLICE



SECTION A-A

PILE ENCASEMENT



END VIEW

Designation	F	F _t	F _w	W	W _t	W _w
HP 14x117	12 1/2"	1"	7 3/8"	7 3/4"	5 5/8"	1 1/2"
x102	12 1/2"	7 3/8"	3 1/4"	7 3/4"	5 5/8"	1 1/2"
x89	12 1/2"	3 1/4"	1 1/16"	7 3/4"	5 5/8"	1 1/2"
x73	12 1/2"	5 5/8"	9 1/16"	7 3/4"	5 5/8"	1 1/2"
HP 12x84	10"	7 3/8"	1 1/16"	6 1/2"	5 5/8"	1 1/2"
x74	10"	7 3/8"	1 1/16"	6 1/2"	5 5/8"	1 1/2"
x63	10"	5 5/8"	1 1/2"	6 1/2"	1 1/2"	3 3/8"
x53	10"	5 5/8"	1 1/2"	6 1/2"	1 1/2"	3 3/8"
HP 10x57	8"	3 1/4"	9 1/16"	5 1/4"	1 1/2"	3 3/8"
x42	8"	5 5/8"	9 1/16"	5 1/4"	1 1/2"	3 3/8"
HP 8x36	7"	5 5/8"	7 1/16"	4 1/4"	1 1/2"	3 3/8"

Note:
The steel H-piles shall be according to
AASHTO M270 Grade 50.

- * Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code - Steel.
- ** Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code - Steel.
- *** Interrupt welds 1/4" from end of each pile.

HP PILE DETAILS
STRUCTURE NO. 072-0227



SHEET NO. 21
22 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6658	(ZC-15D-BR)BR	PEORIA	49	34
CONTRACT NO. 68478				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				