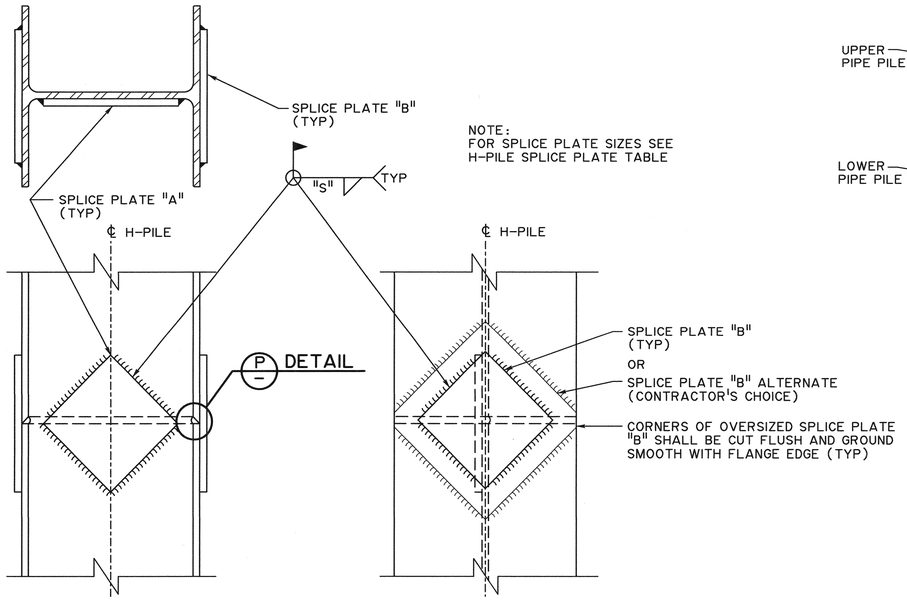
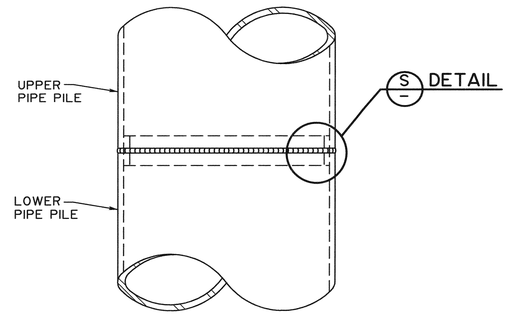


NOTE:
FOR SPLICE PLATE SIZES SEE H-PILE SPLICE PLATE TABLE

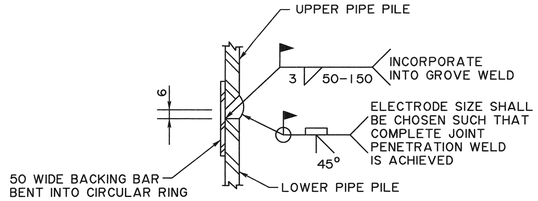
H-PILE SPLICE

1:5



PIPE PILE SPLICE

1:5



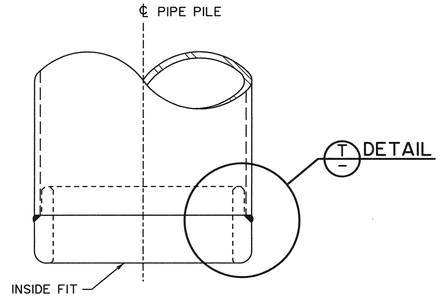
NOTE:
THICKNESS OF BACKING BAR TO BE CHOSEN BASED ON WELDING PROCESS USED AND SHALL MEET THE MINIMUM REQUIREMENTS OF AWS D1.5

S DETAIL

1:2

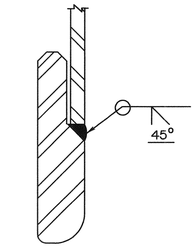
GENERAL NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
- H-PILES AND H-PILE SPLICE PLATES SHALL CONFORM TO ASTM A36 OR CSA G40.21M GRADE 350W. H-PILES AND H-PILE SPLICE PLATES SHALL BE THE SAME GRADE OF STEEL
- STEEL PIPE PILING SHALL CONFORM TO ASTM A252 GRADE 2
- SHOP WELDING SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION SECTION 6
- FIELD WELDING OF PILE SPLICES AND REINFORCEMENT PILE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR BRIDGE CONSTRUCTION SECTION 3
- PILE ENDS SHALL BE FLAME CUT, STRAIGHT AND SQUARE, USING A STEEL GUIDE PRIOR TO SPLICING. BEVEL CUTS SHALL BE 45 DEGREES. THE BEVEL ON THE UPPER PIPE PILE SHALL BE FLAME CUT USING A MECHANICAL PIPE BEVELLING MACHINE
- PILE TIP REINFORCEMENT SHOWN ARE ACCEPTABLE CONFIGURATIONS. THE CONTRACTOR REQUIRES THE CONSULTANT'S REVIEW AND ACCEPTANCE OF PROPOSED PILE TIP REINFORCEMENT DETAILS AND/OR PROPOSED ALTERNATES



OPEN ENDED PIPE PILE TIP REINFORCEMENT

1:5



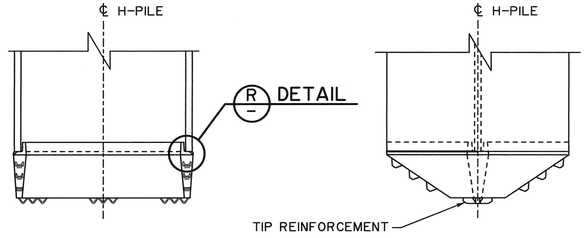
T DETAIL

1:2

H-PILE SPLICE PLATE TABLE

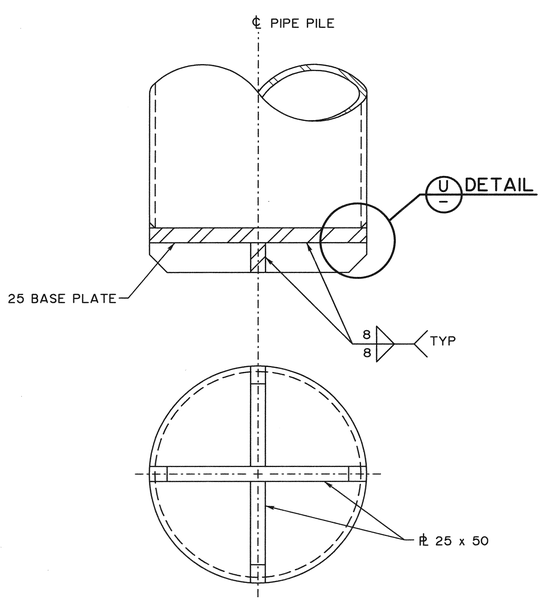
H-PILE DESIGNATION	SPLICE PLATE DIMENSIONS		FILLET WELD SIZE "S"
	PLATE A (WEB)	PLATE B (FLANGE)	
HP 310 x 79	12 x 160 x 160	12 x 200 x 200	6
HP 310 x 94	12 x 160 x 160	12 x 200 x 200	6
HP 310 x 110	12 x 160 x 160	12 x 200 x 200	6
HP 360 x 132	12 x 190 x 190	12 x 250 x 250	6
HP 360 x 174	12 x 190 x 190	12 x 250 x 250	8

* SPLICE PLATE B MAY BE OVERSIZED TO PROVIDE BACKING FOR THE FULL FLANGE WIDTH AND THEN CUT FLUSH AND GROUND SMOOTH. PLATE THICKNESS AND WELD SIZE SHALL BE AS SPECIFIED



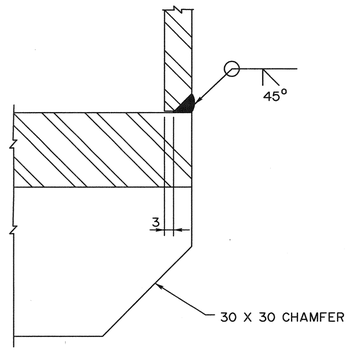
H-PILE TIP REINFORCEMENT

1:5



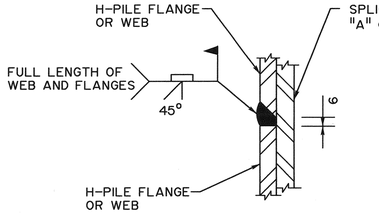
CLOSED ENDED PIPE PILE END PLATE

1:5



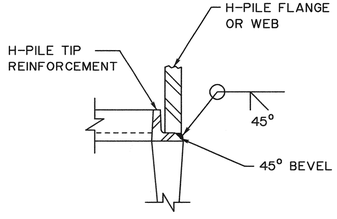
U DETAIL

1:1



P DETAIL

1:2



R DETAIL

1:2

REV	DATE	REVISION	BY
5			
4			
3			
2			
1			

DESIGNER CM CM CHECKER DB DB

RECOMMENDED DIRECTOR BRIDGE ENGINEERING

APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH

D Williamson

DATE 2021-3-2

Alberta Transportation

STANDARD STEEL PILE DETAILS

DATE	SHEET	DRAWING
2020-09-04	1 OF 1	S-1850-20