

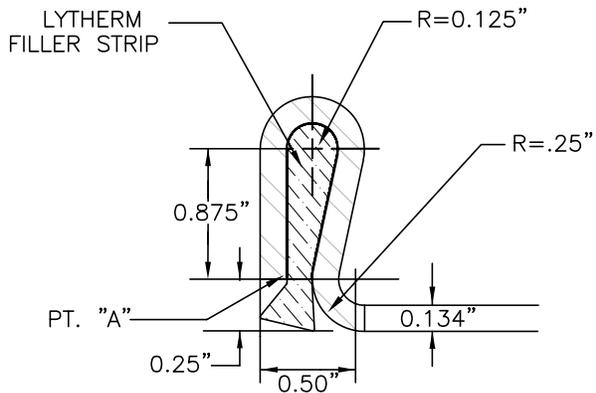
MIN. 2-BONDING CLIPS
REQUIRED PER JOINT.
PIPE SMALLER THAN 36"

MIN. 3 BONDING CLIPS
REQUIRED FOR PIPE
36" AND LARGER

FIELD WELDING PROCEDURE:
PLACE BONDING CLIPS IN EXTERIOR
JOINT RECESS. WELD CLIPS TO BELL
AND SPIGOT USING FILLET WELDS.
REMOVE SLAG FROM WELD AND FILL
RECESS WITH CEMENT MORTAR,
COVERING ALL EXPOSED STEEL

NOTES:

1. STEEL BONDING CLIP:
MATERIAL SPEC.....ASTM A366
CUT LENGTH.....2-1/2" ±1/16"
WIDTH.....1-1/4" ±1/16"
2. LYTHERM FILLER STRIP TO BE 1" X 1-1/2"
WIDE TO OVERLAP SIDES OF CLIP
3. BONDING CLIP CRIMPED OVER FILLER
AT "A" TO COMPRESS FILLER



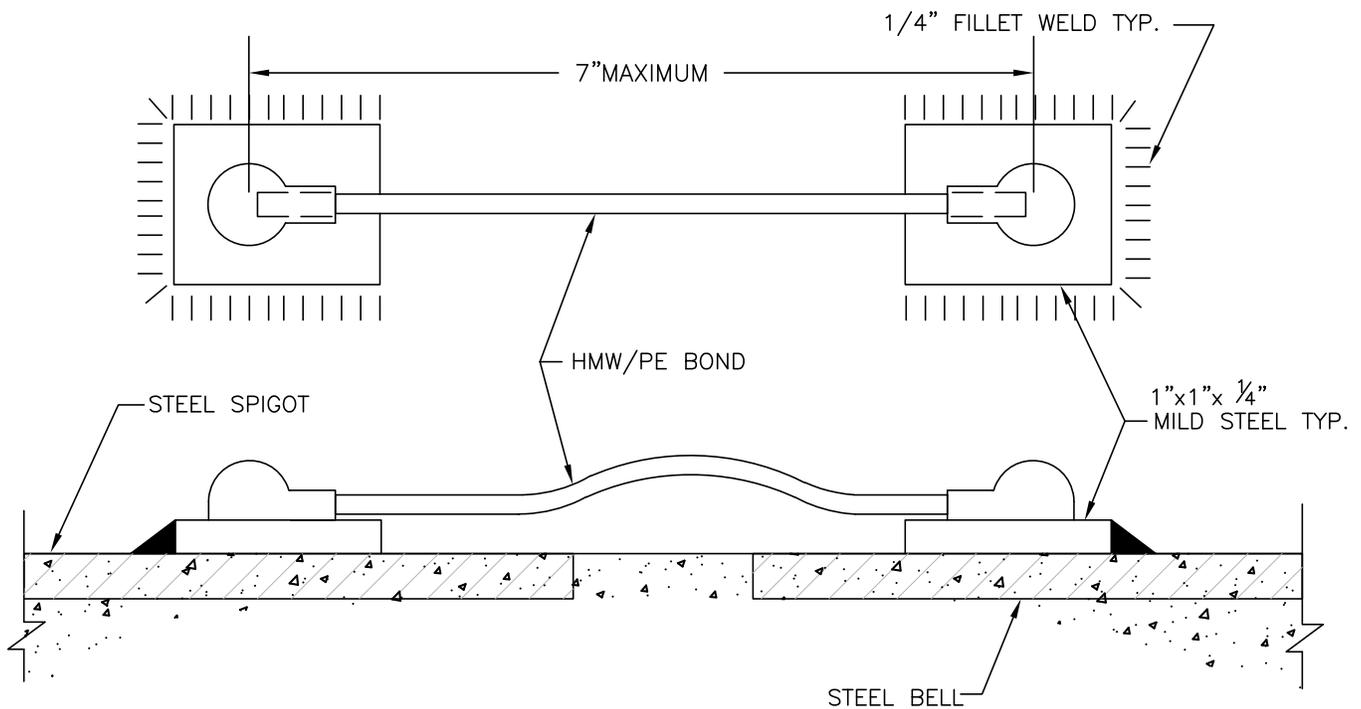
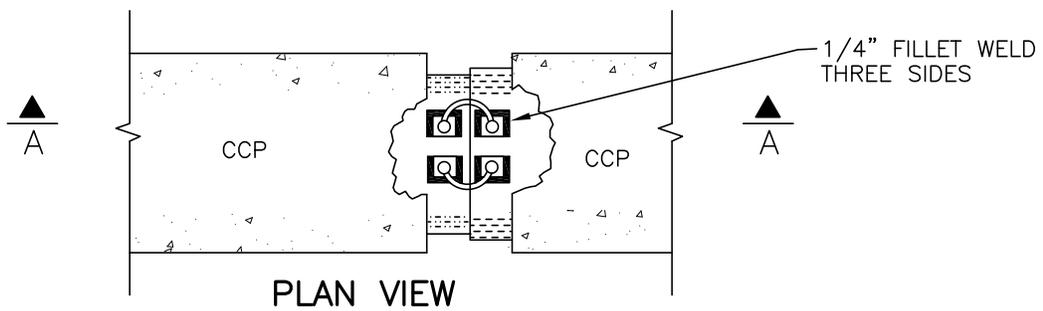
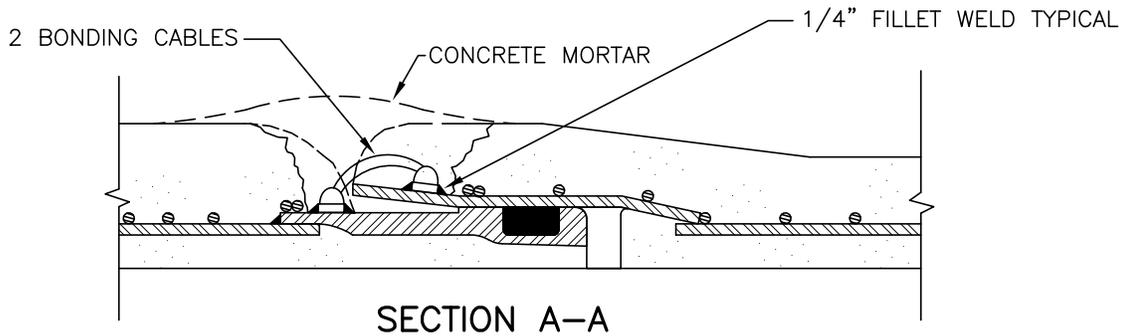
CLIP DETAIL

**CASE 1: BONDING CLIPS
FOR CONCRETE CYLINDER PIPE**

ISSUED:		STANDARD DETAIL		DETAIL NO.
6/97		PIPE JOINT BONDING		SD-702
REVISED:				SHEET 1 OF 3
1/17				

NOTES:

1. REMOVE MORTAR WITH A CHIPPING HAMMER TO PROVIDE CLEARANCE FOR WELDING.
2. INSTALL WELDS IN ACCORDANCE W/ SD-703
3. REPLACE CONCRETE MORTAR.

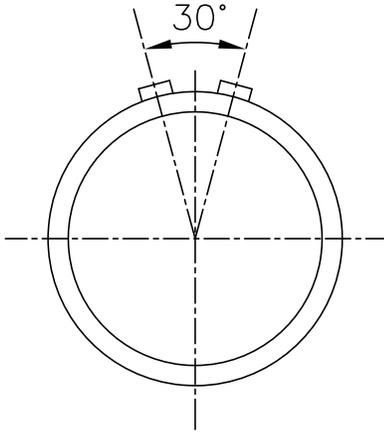


**CASE 2 BONDING CONDUCTORS
FOR CONCRETE CYLINDER PIPE**

ISSUED:		STANDARD DETAIL		DETAIL NO.
6/97				SD-702
REVISED:				SHEET 2 OF 3
1/17		PIPE JOINT BONDING		

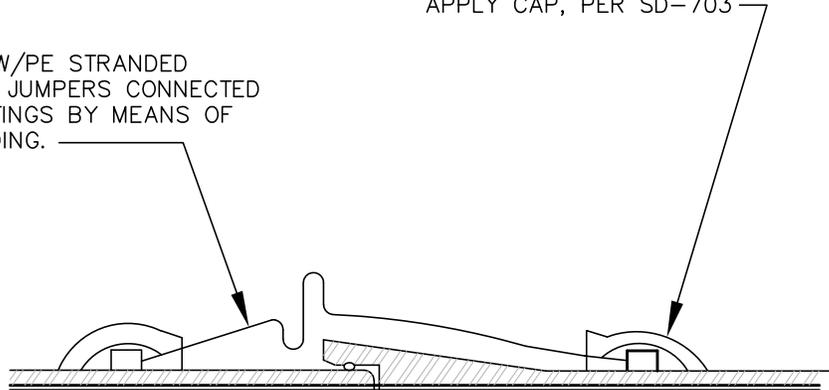
BONDING JUMPERS SHALL BE INSTALLED AT LEAST 30 DEGREES APART FOR 24" INSIDE DIAMETER AND SMALLER PIPE AND 9" APART FOR PIPE WITH AN INSIDE DIAMETER OF GREATER THAN 24"

FIELD TOP



AFTER WELDING BONDING JUMPERS TO PIPE, APPLY CAP, PER SD-703

MIN. TWO (2) HMW/PE STRANDED COPPER BONDING JUMPERS CONNECTED TO PIPE AND FITTINGS BY MEANS OF EXOTHERMIC WELDING.



DIP/STEEL PIPE BONDING CONDUCTOR INSTALLATION

CLEAN PIPE TO BRIGHT METAL IN AREAS WHERE BOND LEADS ARE TO BE ATTACHED (TYP.) BONDING CONDUCTORS SHALL HAVE SUFFICIENT SLACK TO ALLOW FOR A TOTAL JOINT DISPLACEMENT OF ONE-HALF(1/2) INCH. SEE SD-703

FOR DUCTILE IRON/STEEL PIPE

ISSUED:		STANDARD DETAIL		DETAIL NO.
6/97		PIPE JOINT BONDING		SD-702
REVISED:				SHEET 3 OF 3
1/17				