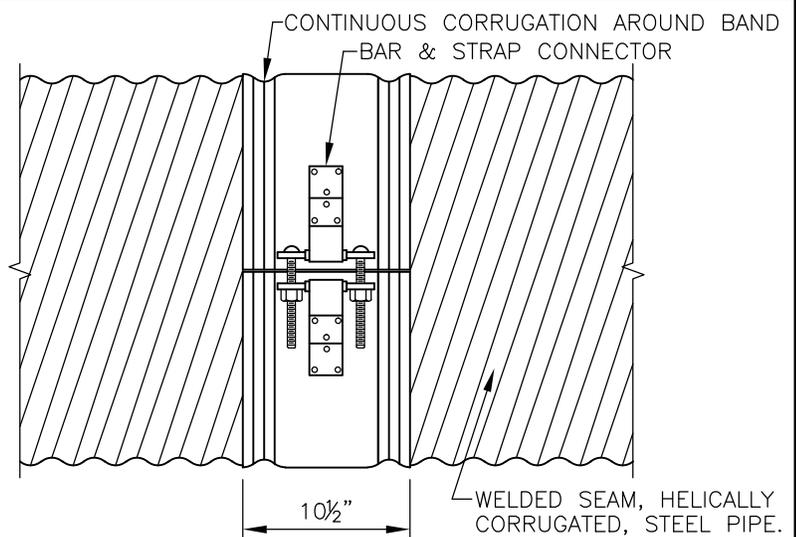
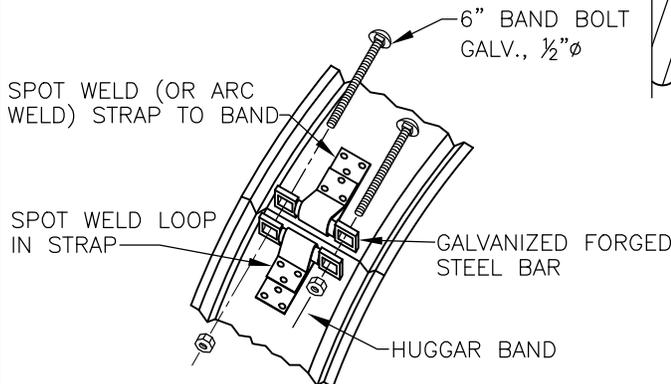


JOINT CROSS SECTION
NO SCALE



HUGGER JOINT
NO SCALE



SINGLE TYPE BAR & STRAP CONNECTOR
NO SCALE

GENERAL NOTES

1. NUMBER OF PIECES OF BAND PER JOINT WITHOUT GASKETS IS ONE PIECE FOR 12" THRU 43" DIA. AND TWO PIECES FOR 48" DIA. AND ABOVE.
2. NUMBER OF PIECES OF BAND PER PIPE JOINT WITH GASKETS IS ONE PIECE FROM 12" THRU 30" DIA. AND TWO PIECES FOR 36" DIA. AND ABOVE.
3. BAR AND STRAP CONNECTOR IS THE SINGLE TYPE FOR JOINTS 12" THRU 43" DIA. AND DOUBLE TYPE FOR JOINTS 54" DIA. AND ABOVE.
4. A DOUBLE TYPE BAR 12" STRAP CONNECTOR (NOT SHOWN) HAS 2 STRAPS AND 4 BOLTS PER JOINT.
5. MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF CONSTRUCTION SPECIFICATION 51, CORRUGATED METAL PIPE CONDUITS.
6. STANDARDIZED DESIGNS - MUST BE ADAPTED TO THE SPECIFIC SITE.
7. THE STRUCTURE SHALL CONFORM TO ENGINEERING STANDARD AND SPECIFICATIONS 378, POND, WHEN APPROPRIATE.

NOTES: (PLAIN GALVANIZED PIPE)

1. LIBERALLY LUBRICATE GASKETS WITH ANY "O"-RING LUBRICANT OR VEGETABLE COMPOUND SUCH AS CRISCO.
2. SNAP GASKETS AROUND AND INTO THE FIRST ANNULAR CORRUGATION OF EACH PIPE END.
3. LUBRICATE THE ENTIRE INNER SURFACE OF THE BAND BETWEEN THE CORRUGATIONS WITH THE SAME LUBRICANT.
4. PLACE BAND AROUND THE PIPE INDEXING THE BAND CORRUGATIONS INTO THE SECOND ANNULAR CORRUGATION OF EACH PIPE END. REMOVE ANY FOREIGN MATTER WHICH MAY HAVE LODGED BETWEEN THE PIPE AND BAND.
5. PLACE MASTIC SEALANT STRIP (1/8" THICK, 1 1/2" WIDE, 5" LONG) IN THE LAP (5) BETWEEN THE ENDS OF THE BAND. CENTER IT BETWEEN THE CORRUGATIONS.
6. TAP THE CORRUGATED AREAS OF THE BAND WITH A RUBBER HEADED HAMMER AS THE BAND IS BEING TIGHTENED TO EXPEDITE BAND TENSIONING AND TO ASSURE UNIFORM GASKET SEALING AND COMPRESSION. SOME TYPE OF CLINCHING OR CLAMPING DEVICE MAY BE USED TO START THE BAND LAP.
7. BOLT AND TIGHTEN BAND TO 50-60 FT-LBS. TORQUE. TAP AROUND BAND WITH RUBBER HAMMER TO ASSURE EFFECTIVE TENSIONING OF BAND UNIFORMLY AROUND THE PIPE.

NOTES: (ASPHALT COATED PIPE)

1. IT IS VERY IMPORTANT TO HAVE SLIDING CONTACT BETWEEN THE ASPHALT COATED SURFACES OF BANDS AND THE PIPE AND THE GASKETS.
2. FOLLOW THE SAME PROCEDURE AS OUTLINED FOR "PLAIN GALVANIZED PIPE", EXCEPT FOR LUBRICATION.
3. INSTEAD OF USING THE LUBRICATION METHOD DESCRIBED, SUBSTITUTE THE FOLLOWING: AFTER SNAPPING "O"-RING ON PIPE ENDS, LIBERALLY LUBRICATE ALL CONTACT SURFACES OF PIPE ENDS, GASKETS, AND INSIDE OF BAND WITH DIESEL OR CRANKCASE OIL.



NRCS

Natural Resources Conservation Service
United States Department of Agriculture

**COUPLING FOR
CORRUGATED STEEL PIPE**

IN REFERENCE ARMCO STEEL CORP. METAL
PRODUCTS DIVISION - DRAWING 1005529
(REVISED LAST ON 11-10)

Designed <u>CRH</u>	Date <u>08-71</u>	File Name
	Drawn <u>DDD</u>	
Checked _____	Drawing Name <u>CO-SSP-43</u>	
Approved <u>J.E. ANDREWS</u>	<u>11-10</u>	Sheet 1 of 1
<u>S.C.F.</u>		