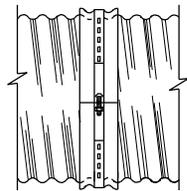
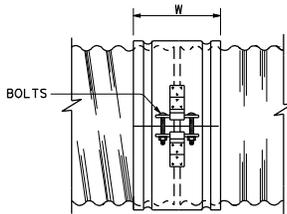


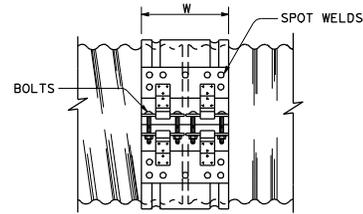
**ANGLE**



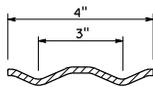
**SIDE VIEW ANGLE**



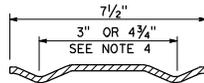
**SIDE VIEW SINGLE BAR AND STRAP**



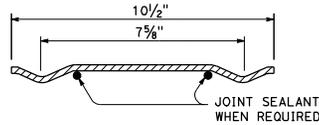
**SIDE VIEW DOUBLE BAR AND STRAP**



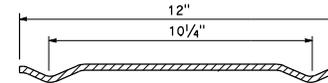
**SECTION H-4 HUGGER BAND**



**SECTION H-7 HUGGER BAND**



**SECTION H-10 HUGGER BAND**



**SECTION H-12 HUGGER BAND**

**HUGGER COUPLING BANDS**

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL SHEETS

*Raymond Don Isztos*  
 REGISTERED CIVIL ENGINEER  
 No. C37332  
 Exp. 6-30-12  
 CIVIL  
 STATE OF CALIFORNIA

May 20, 2011  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OF AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

**NOTES:**

1. Dimensions and thicknesses shown are minimum.
2. Spot welds shall develop minimum required strength of strap.
3. Fillet welds of equivalent strength may be substituted for spot welds or rivets.
4. Dimension depends upon whether end condition is lips up or lips down.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**CORRUGATED METAL PIPE  
COUPLING DETAILS No. 4  
HUGGER COUPLING BANDS**

NO SCALE

**D97D**