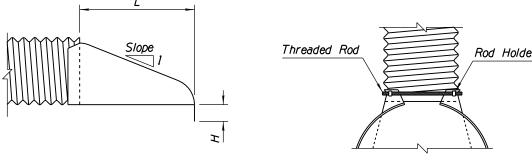
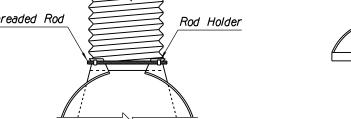




- 1. The end section may be joined to the pipe or connector section by bolts, rivets, dimpled bands, slip-seam bands or threaded rod type fasteners. For allowable connector types, see table.
- 2. The Type I connector is bolted or riveted.

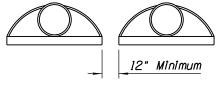
 Maximum circumferential fastener spacing shall be
 12" and with a minimum of 8 fasteners per joint. The
 Type I joint may be used with either annular or helical corrugations.
- 3. Type 2 and 3 connectors shall only be used with annular or helical pipe with a requisite number of annular corrugations.
- 2 4. Type 4 connector shall only be used with helical pipe.
 - 5. All steel end section components shall be galvanized.
 - 6. Toe of embankment shall be warped to match toe of skewed end section.
 - 7. A berm shall be added to abnormal projections per Std Dwg C-13.10.
 - 8. The foregoing applies to all cross-section configurations.





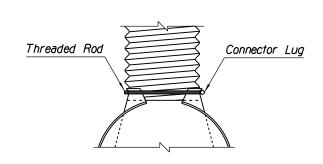
TYPE 2

THREADED ROD CONNECTIONS

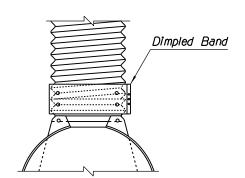


SPACING FOR MULTIPLE INSTALLATION

				1				
Circula	r Pipe		Dimensions (n)					
Diameter (n)	Gauge	A ±1	B Maximum	H ±1	±1½	W ±2	Approximate Slope	Connection Type
18	16	8	8	6	31	36	21/2	2, 3, 4
24	16	10	13	6	41	48	21/2	2, 3, 4
30	14	121/4	121/2	8	51	57	21/2	2, 4
<i>3</i> 6	14	141/2	12	9	60	72	21/2	2, 4
42	12	17	11	101/2	69	84	21/2	3







TYPE 4 DIMPLED BAND CONNECTIONS

	$\underline{\hspace{0.1cm}}$								
	Pipe Arch			Dime	nsions (
				В	Н	L	W	Approximate	Connection
Span (In)	Rise (In)	Gauge	±1	Max	±1	±1½	±2	Slope	Туре
21	15	16	71/2	11	6	24	36	21/2	2, 3, 4
28	20	16	8	16	6	32	48	21/2	2, 3, 4
<i>3</i> 5	24	14	10	16	6	39	60	21/2	2, 4
42	29	14	12	12	71/2	46	75	21/2	2, 4
49	33	12	131/2	20	9	53	84	21/2	3

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APPROVED FOR DESIGN	STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION ROADWAY STANDARD DRAWINGS	N 5/12
APPROVED FOR DISTRIBUTION		DRAWING NO.
Julio toward	PIPE CORRUGATED METAL END SECTION	C-13.25

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