

Span x Rise	Thick. mm	DIMENSIONS (mm)					Approx. Slope
		A (±25)	B (max.)	H (±25)	L (±40)	W (±50)	
425 x 325	1.6	165	230	150	510	760	2.5
525 x 375	1.6	190	280	150	610	915	2.5
600 x 450	1.6	205	305	150	710	1065	2.5
700 x 500	1.6	205	405	150	815	1220	2.5
875 x 600	2.0	255	405	205	990	1525	2.5
1050 x 725	2.0	305	455	230	1170	1905	2.5
1225 x 825	2.8	345	535	305	1345	2135	2.5
1425 x 950	2.8	470	660	305	1575	2285	2.5
1600 x 1075	2.8	455	760	305	1755	2590	2.25 or 2.0
1775 x 1175	2.8/3.5	470	915	305	1955	2895	2.25 or 1.5
1925 x 1300	2.8/3.5	455	915	305	1955	3200	2.0 or 1.5
2075 x 1425	2.8/3.5	455	1120	305	1955	3430	2.0 or 1.5

NOTES:

- All 3 piece bodies to have 2.8 millimeter sides and 3.5 millimeter center panels. Multiple panel bodies to have lap seams which are to be tightly joined by galvanized rivets or bolts.
- For the 1925 x 1300 millimeter and 2075 x 1425 millimeter sizes, reinforced edge to be supplemented by galvanized angles. The angles to be attached by galvanized nuts and bolts.
- Angle reinforcement will be placed under the center panel seams on the 1925 x 1300 millimeter and 2075 x 1425 millimeter sizes.
- Galvanized toe plate to be available as an accessory when specified on the order and will be the same thickness as the end section.

GENERAL NOTES:

Metal pipe aprons and hardware shall be constructed of galvanized steel in conformance with the requirements of current Standard and Supplemental Specifications and as detailed hereon. Refer to other appropriate Standard Road Plans as well as project plans for additional details of individual culvert installations. Alternate design details may be submitted to the Engineer for approval.

Apron may be attached to culvert pipe as follows:


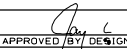
- If culvert is of circumferential corrugation type:
 - Use an approved bolt or clamp to fasten apron directly to culvert.
- If culvert is of helical corrugation type:
 - Use an approved sizing ring securely fastened to inside diameter of apron to connect to the culvert pipe using a special dimple band connector.
 - "Dimple" bands are not allowed when a positive joint is specified.

See Materials I.M. 441 for Approved Coupling Devices and specific requirements.

Any damage to spelter coat resulting from installation of culvert shall be repaired as directed by the Engineer.

Price bid for "Metal Arch Aprons" shall be considered full compensation for fabrication and installation of metal arch aprons as indicated hereon.

All dimensions given in millimeters unless noted.

METRIC VERSION	M		Iowa Department of Transportation	
			Project Development Division	
	STANDARD ROAD PLAN		RF-43	
	REVISION: Delete M and O dimensions		REVISION NO. 2	
	APPROVED BY:  06-07-00 DESIGN METHOD ENGINEER		REVISION DATE 10-03-00	
METAL ARCH APRONS (FOR CORRUGATED METAL PIPE)				