



4 - 1/2" x 2 1/2" STAINLESS STEEL  
HEX-HEAD BOLTS & WASHERS  
(DRILL AND TAP FRAME)

4 - 1/2" DIA. ANCHOR HOLES

NOMINAL DIMENSIONS AND WEIGHTS			
OPENING		g	WEIGHT (LB.)
WIDTH	LENGTH		
2'-0"	2'-0"	24"	260
4'-0"	2'-0"	48"	400

NOTE: FOR 4' x 2' FRAME, USE (2) 2' x 2' GRATES.

GENERAL NOTES:

GRATES TO BE CONSTRUCTED OF CAST GRAY IRON AND MEET REQUIREMENTS OF AASHTO M 306. MINOR VARIATIONS IN VANE SHAPE TO MEET MANUFACTURER'S STANDARD PRACTICE ARE PERMITTED.

MINIMUM CLEAR OPEN AREA: 2.10 SQUARE FEET.

MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION			
CURVED VANE GRATE AND FRAME			
DATE: _____	EFFECTIVE: 01-01-1999	614.11A	1/1