DESIGNER INFORMATION

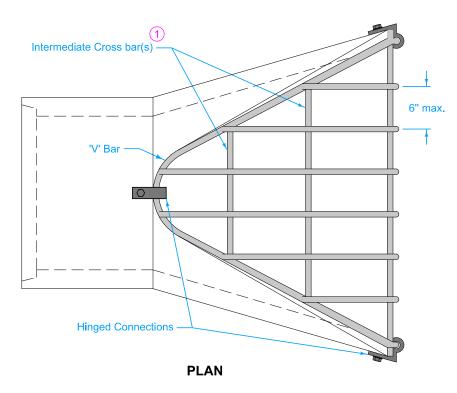
Provide guard dimensions to fit with Type of apron provided (DR-201, DR-202, DR-205, or DR-206). 'V' Bar is to completely rest on apron.

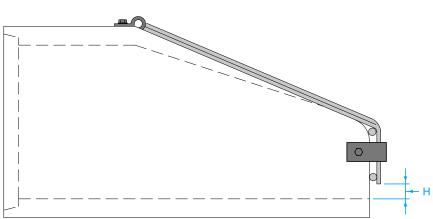
Use Grade 40, Grade 60 or merchant quality, smoothed or deformed steel bars in construction of the guard. Comply with fabrication requirements of Section 2404 of the Standard Specifications.

Hot-dip galvanize the completed apron guard according to ASTM A123.

Use bolts, nuts, washers, and fasteners complying with Article 4153.06 of the Standard Specifications.

1 All guards are to have at least one intermediate cross bar. If pipe size is 60 inches or greater, use two intermediate cross bars equally spaced.





PROFILE

73" x 45" to 88" x 54"

ROUND

H 2½"

3"

4"

5"

6"

7"

8"

PIPE SIZE

12" 15"

18" - 24"

27" - 36"

42" - 54"

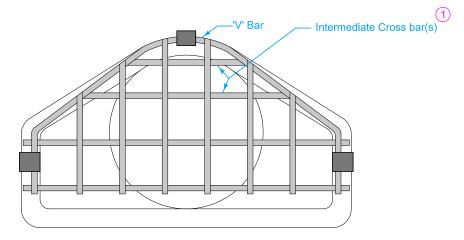
60" - 72"

78" - 90"

ARCH		ELLIPTICAL		
PIPE SIZE	Н	PIPE SIZE	Н	
22" x 14" to 29" x 18"	4"	23" x 14" to 30" x 19"	4"	
37" x 23" to 44" x 27"	5"	38" x 24" to 45" x 29"	5"	
52" x 32" to 65" x 40"	6"	53" x 34" to 68" x 43"	6"	

76" x 48" to 91" x 58"

l L						
		PIPE SIZE	HOLE D I A. REQ'D.	BOLT DIA.	BAR SIZE	
	□	12" - 24"	<u>3</u> " 4	<u>5</u> "	<u>3</u> " 4	
	ROUND	27" - 48"	<u>7</u> " 8	<u>3</u> "	1"	
	Ř	54" - 90"	1 1 "	1"	1 1 "	
	_	up to 29" x 18"	<u>3</u> "	5 <mark> </mark> ∞	<u>3</u> " 4	
	ARCH	37" x 23" to 59" x 36"	<u>7</u> " 8	<u>3</u> "	1"	
	Q.	65" x 40" to 88" x 54"	1 1 "	1"	1 <u>1</u> "	
	CAL	up to 30" x 19"	<u>3</u> " 4	5 ∞	<u>3</u> " 4	
	F	38" x 24" to 60" x 38"	<u>7</u> " 8	3 <mark>"</mark> 4	1"	
		68" x 43" to 91" x 58"	1 1 "	1"	1 ¹ / ₄ "	



FRONT (Round Shown)

BAR SIZES

BOLT LENGTH = PIPE WALL THICKNESS + $2\frac{1}{2}$ "

Possible Tabulation: 104-3

