

SPACE MARK (a) BARS  
EVENLY ON EITHER SIDE OF  
ANTIVORTEX BAFFLE PLATE

MARK (c) BARS  
OUTSIDE DIAMETER OF  
RISER PLUS ONE INCH.

STEEL ANTIVORTEX  
BAFFLE PLATE

1/2" CAST LUG FASTENER

PLAN VIEW

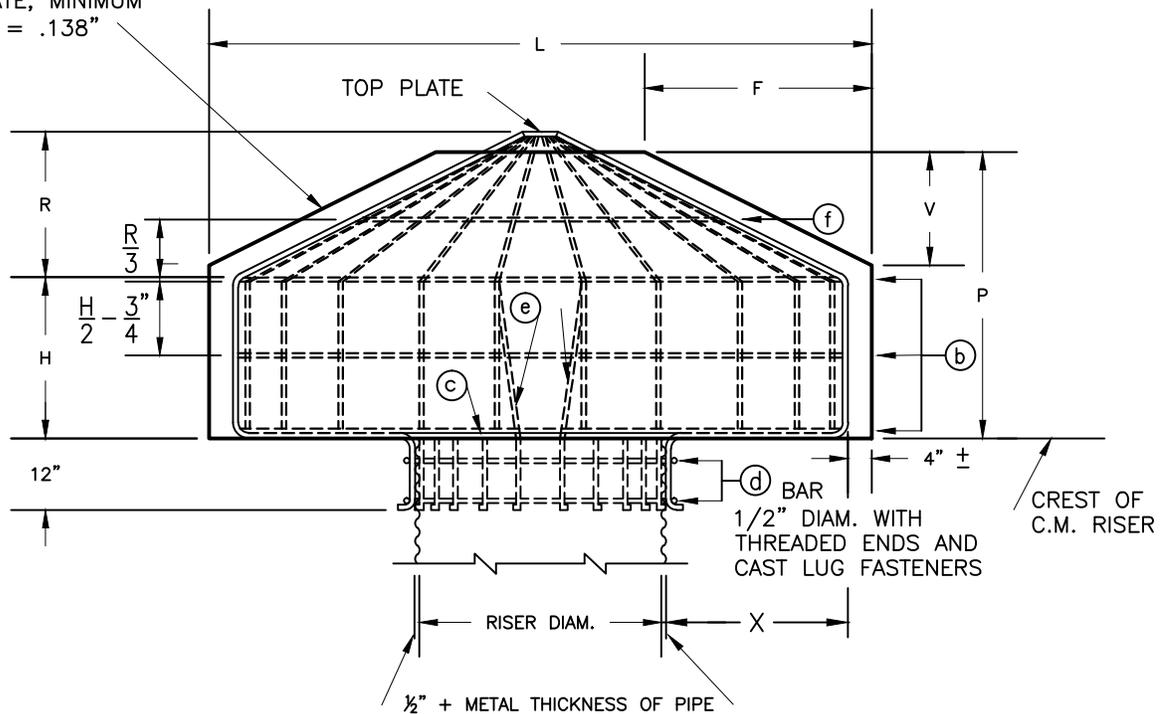
M (SPACING AT PIPE)

N (SPACING AT  
EXTREMITY OF BAR)

5/8" THICK TOP PLATE

C.M. RISER

STEEL ANTIVORTEX  
BAFFLE PLATE, MINIMUM  
THICKNESS = .138"  
10 GAGE



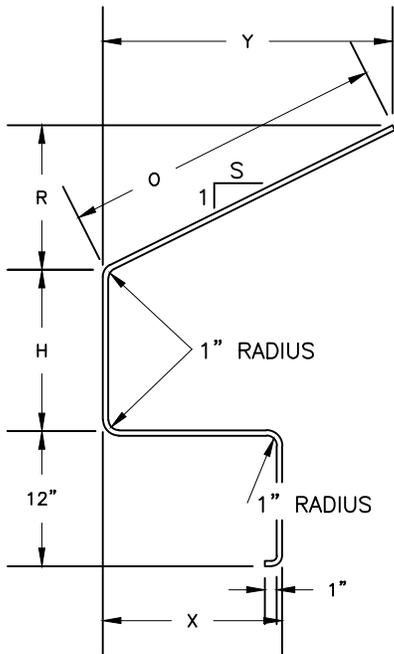
SECTION A-A

ALL BARS FORMING CONICAL TRASH RACK ARE MARK (a) BARS, UNLESS OTHERWISE NOTED.

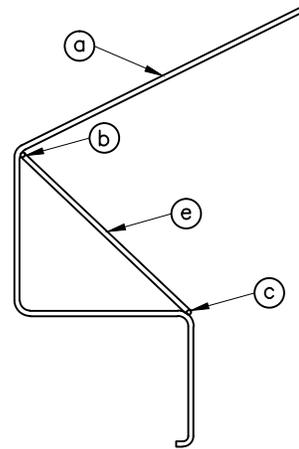
NOTES:

1. WELD MARK (b), (c), AND (f) BARS TO MARK (a) BARS AND WELD MARK (d) BARS TO TOP PLATE.
2. WHEN MARK (e) BARS ARE USED, WELD THEM TO THE MARK (a) BARS THAT ARE PERPENDICULAR (OR THE TWO MARK (a) BARS MOST NEARLY PERPENDICULAR) TO THE ANTIVORTEX BAFFLE PLATE.
3. THE TRASH RACK MAY BE FABRICATED IN IDENTICAL HALVES AND ATTACHED TO THE BAFFLE PLATE WITH 1/2" DIAMETER U BOLTS SPACED APPROXIMATELY 12 INCHES CENTER TO CENTER ALONG THE VERTICAL AND INCLINED SECTIONS OF THE MARK (a) BARS NEXT TO THE PLATE.
4. ALL BARS ARE SMOOTH ROUND BARS.
5. COAT WITH A RUST INHIBITIVE PAINT.

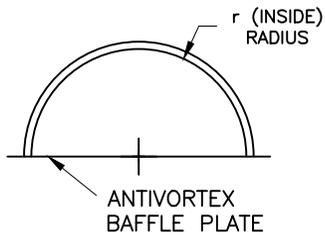
BENDING DIAGRAMS



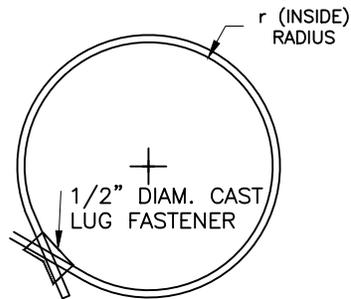
(a) BARS



CONSTRUCTION DIAGRAM FOR (e) BARS



(b), (c), & (f) BARS



(d) BARS

TABLE OF DIMENSIONS AND QUANTITIES													
Ⓐ BARS 5/8" DIAMETER								ANTIVORTEX BAFFLE PLATE					
H	R	X	Y	S	O	TOTAL	NO.	N	M	L	P	F	V
INCHES	INCHES	INCHES	INCHES		INCHES	LENGTH	REQ'D	INCHES	INCHES		INCHES	INCHES	INCHES
42" DIAMETER CORRUGATED METAL RISER													
27	24-1/4	30	48-1/2	2	54	10' 4"	20	17-13/16	7-3/8	9'-3"	48	38	19
48" DIAMETER CORRUGATED METAL RISER													
27	25-3/4	30	51-1/2	2	57-1/2	10' 7-1/2"	22	17-1/8	7-11/16	9'-9"	48	38	19
54" DIAMETER CORRUGATED METAL RISER													
30	29-13/16	36	59-1/2	2	66-3/4	12' 1-3/8"	24	18-1/16	7-3/4	11'-4"	58	50	25
60" DIAMETER CORRUGATED METAL RISER													
33	31-3/4	49	75-1/2	2-3/8	81-3/4	14' 8-3/4"	30	17-13/16	6-7/8	14'	60	57	24

TABLE OF DIMENSIONS AND QUANTITIES															
Ⓑ BARS 3/4" DIAMETER			Ⓒ BARS 5/8" DIAMETER			Ⓓ BARS 1/2" DIAMETER			Ⓔ BARS 3/4" DIAMETER		Ⓕ BARS 5/8" DIAMETER			TOP PLATE	
NO.	r	LENGTH	NO.	r	LENGTH	NO.	r	LENGTH	NO.	LENGTH	NO.	r	LENGTH	DIAM.	
REQ'D.	INCHES	INCHES	REQ'D	INCHES	INCHES	REQ'D	INCHES	INCHES	REQ'D	INCHES	REQ'D	INCHES	INCHES	INCHES	
42" DIAMETER CORRUGATED METAL RISER															
6	50	157-3/4	2	22	138-1/4	2	22-3/8	149	---	---	2	34	106-3/4	6	
48" DIAMETER CORRUGATED METAL RISER															
6	53	167-1/4	2	25	157	2	25-3/8	168	---	---	2	36	113-3/4	6	
54" DIAMETER CORRUGATED METAL RISER															
6	62-1/8	195-7/8	2	28	176	2	28-3/8	186	4	46	2	42-1/4	133-3/8	8	
60" DIAMETER CORRUGATED METAL RISER															
6	78-1/8	246-1/2	2	31	194-3/4	2	31-3/8	206	2	57	2	53-1/4	168	8	