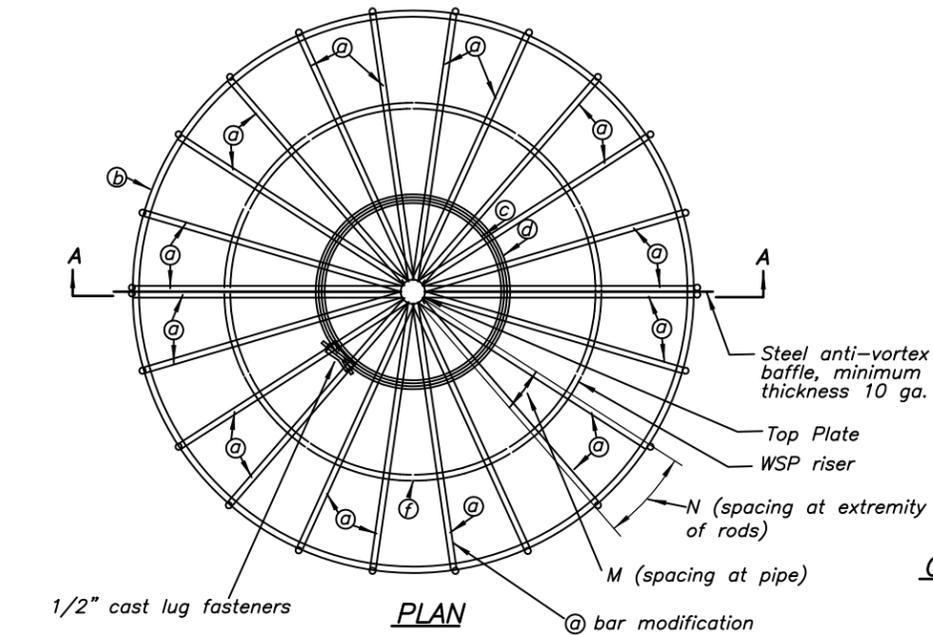
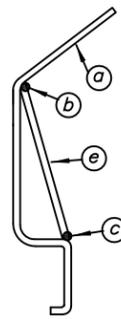


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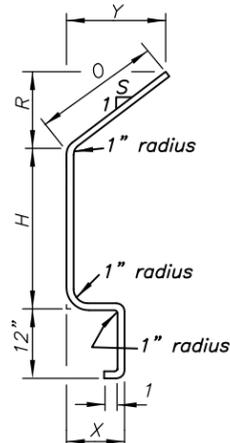
Q	a) rods-3/4" dia.								Baffle plate						b) rods-3/4" dia.		c) rods-5/8" dia.		d) rods-1/2" dia.		e) rods-3/4" dia.		f) rods-5/8" dia.		Top plate Dia.					
	H	R	X	Y	S	O	Total Length	No. Req'd	N	M	L	P	F	V	No. Req'd	r	Length	No. Req'd	r	Length	No. Req'd	r	Length	No. Req'd		r	Length			
238	33	31 3/4	45 1/2	75 1/2	2 3/8	81 3/4	14'-8 3/4"	30	17 13/16	6 3/4	14-0	60	57	24	6	78 1/8	246 1/2	2	30	95	2	37	240	2	str.	57	2	53 1/4	168	8



CONSTRUCTION DIAGRAM FOR @ RODS

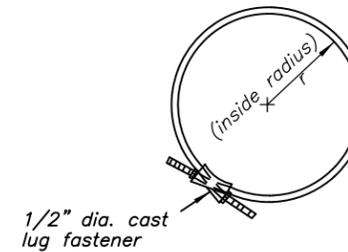


BENDING DIAGRAM FOR @ RODS

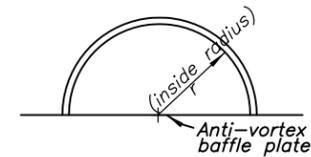


FABRICATION NOTES:

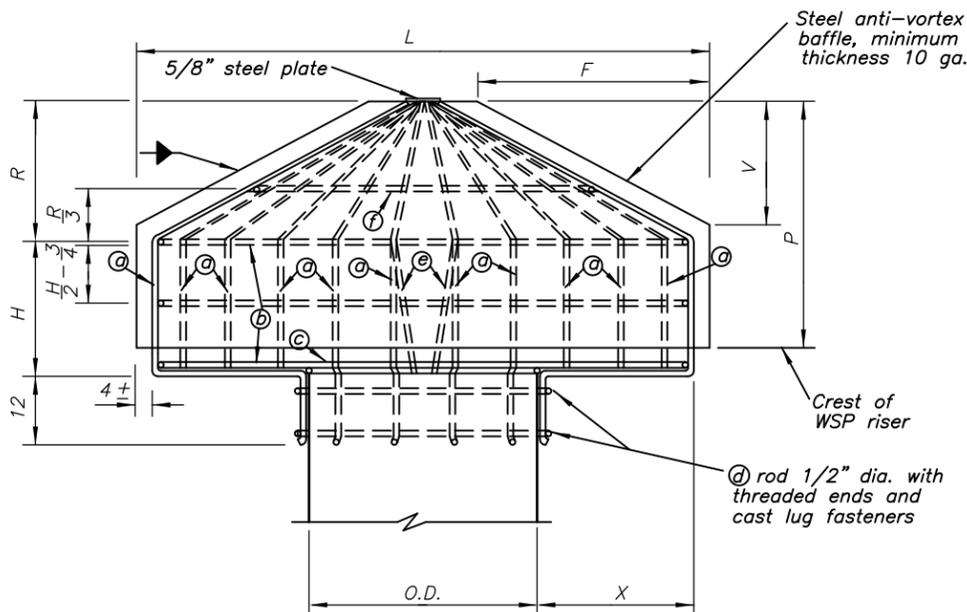
1. Weld 4 (b), (c) and (f) rods to (a) rods and weld (a) rods to top plate.
2. When (e) rods are used, weld them to the (a) rods that are perpendicular (or the two (a) rods most nearly perpendicular) to the anti-vortex baffle plate.
3. The trash rack may be fabricated in identical halves and attached to the baffle plate with 1/2 inch diameter U bolts spaced approximately 12 inches C-C along the vertical and inclined sections of the (a) rods next to the plate.
4. Q in the table is based on weir flow for indicated depth of flow (H), using a weir coefficient of 3.33.
5. Trash rack to be fabricated from smooth round steel bars conforming to ASTM Designation A-36.
6. Trash rack to have one coat of paint.
7. Outside diameter of riser is 60 inches. Allow 1/4 inch clearance for ease of installation.
8. Trash rack has 30 (a) rods in lieu of 24 shown on Plan View.



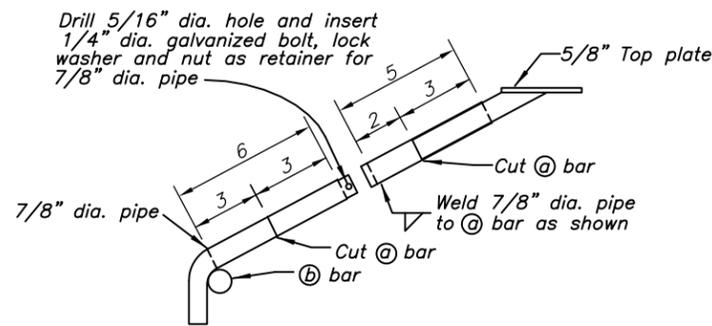
BENDING DIAGRAM FOR (d) RODS



BENDING DIAGRAM FOR (b), (c) & (f) RODS



SECTIONAL ELEVATION A-A



@ BAR MODIFICATION

Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____

CONICAL TRASH RACK DETAIL FOR 60" DIAMETER SMOOTH RISER



DRAFT
 NOT FOR CONSTRUCTION

File Name _____
 Drawing Name 29-N-208A
 Sheet _____ of _____