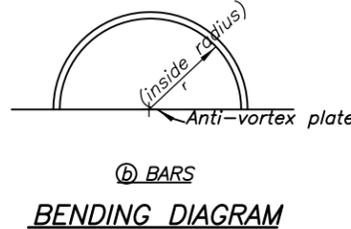
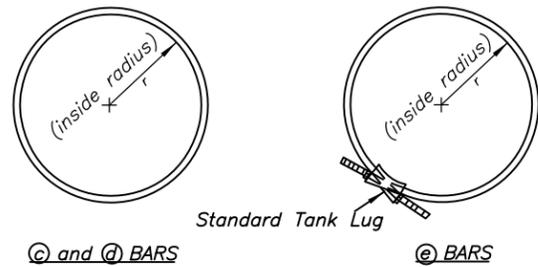
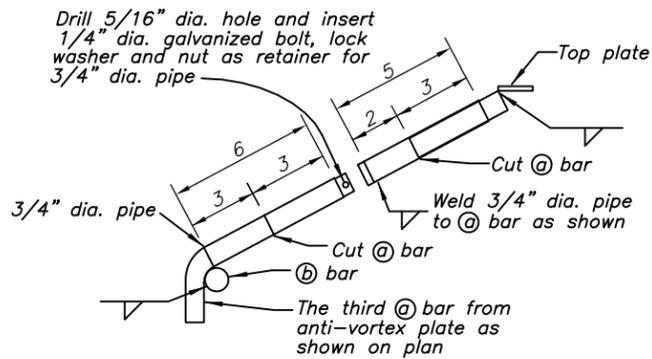


CONICAL TRASH RACK TABLE OF DIMENSIONS AND QUANTITIES

Ⓐ bars @ 5/8" Dia.										Anti-vortex plate 12 ga.				Ⓑ bars 5/8" Dia.		Ⓒ bars 5/8" Dia.		Ⓓ bars 5/8" Dia.		Ⓔ bars 1/2" Dia.		Top plate 1/4" thick			
H (inches)	R (inches)	X (inches)	Y (inches)	S (inches)	O (inches)	Total Length	No. Required	N (inches)	L (inches)	P (inches)	F (inches)	V (inches)	No. Required	r (inches)	Length (inches)	No. Required	r (inches)	Length (inches)	No. Required	r (inches)	Length (inches)	No. Required	r (inches)	Length (inches)	Dia. (inches)
9	11 1/8	6	11 1/8	1	15 5/8	3'-7 5/8"	10	9 1/8	2'-6"	18	5	5	2	11 5/16	36 1/2	1	6	39 3/4	1	11 5/16	73	1	7 3/16	53	3
9	12 5/8	6	12 5/8	1	17 3/4	3'-9 3/4"	10	10 1/4	2'-9"	18	6	6	2	12 13/16	41 1/4	1	7 1/2	49	1	12 13/16	82 1/2	1	8 11/16	63	3
9	14 1/8	6	14 1/8	1	20	4'-0"	10	11 7/16	3'-0"	21	8	8	2	14 5/16	46	1	9	58 1/2	1	14 5/16	92	1	10 1/4	73	3
12	9 1/4	9	18 1/2	2	20 5/8	4'-6 5/8"	12	12 3/8	4'-0"	18	12	6	2	18 13/16	60	1	10 1/2	68	1	18 13/16	120	1	11 3/4	82 1/2	3 1/2
15	11 3/8	12	22 3/4	2	25 3/8	5'-5 3/8"	12	14 13/16	4'-6"	24	18	9	2	23 5/16	74	1	12	77 1/2	1	23 5/16	148	1	13 1/4	91 1/2	3 1/2
12	9 1/2	15	28 1/2	3	30	5'-10"	18	11 11/16	6'-0"	20	21	7	2	29 5/16	93	1	15	96	1	29 5/16	186	1	16 1/4	111	4
18	9 1/2	15	28 1/2	3	30	6'-4"	14	15 13/16	6'-0"	24	21	7	2	29 5/16	93	1	15	96	1	29 5/16	186	1	16 1/4	111	4
21	12 1/2	21	37 5/8	3	39 1/2	7'-10 1/2"	16	17 5/16	7'-6"	30	30	10	2	38 3/8	121 1/2	1	18	115	1	38 3/8	243	1	19 1/4	129	4



CONICAL TRASH RACK WEIGHTS		
Riser Diameter (inches)	Barrel Diameter (inches)	Weight (pounds)
12	12	74
15	12	80
18	15	89
21	18	114
24	18-21	142
30	12-15	198
30	18-21-24	182
36	24-30	267

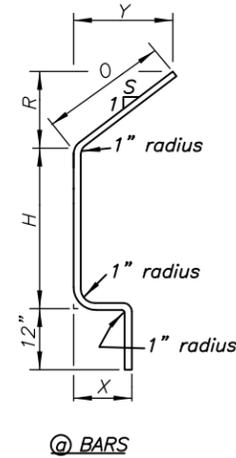
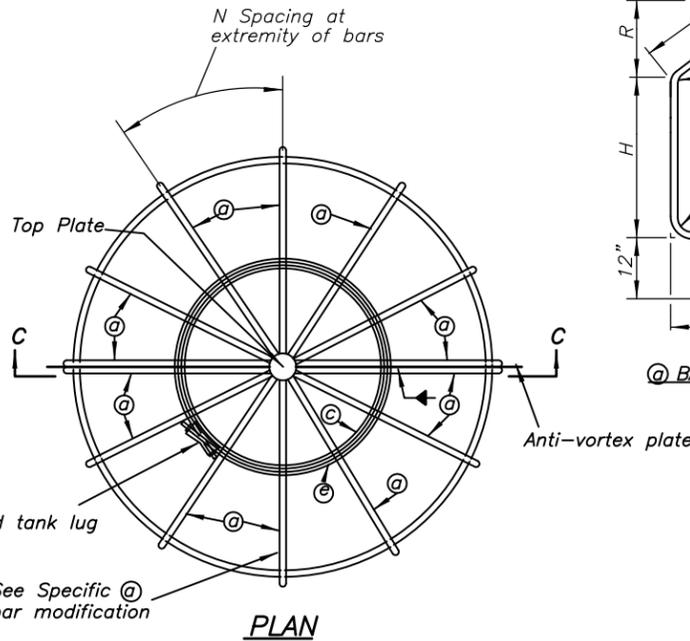


FABRICATION NOTES:

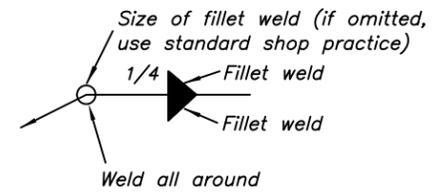
1. Weld 4 Ⓐ bars to vortex plate and to top plate, weld Ⓒ and Ⓓ bars to 4 Ⓐ bars. Weld Ⓑ bar to Ⓐ bars and vortex plate. Weld remaining Ⓐ bars to Ⓑ, Ⓒ and Ⓓ bars and top plate.
2. The trash rack and antivortex plate may be fabricated as a unit. Or trash rack may be fabricated in identical halves and attached to the vortex plate with 1/2" Diam. U bolts spaced approximately 12" C.C. along the vertical and inclined sections of the Ⓐ bars next to the plate.
3. All bars are to be smooth round steel bars.
4. A specific Ⓐ bar modification is required for risers 24" diameter and larger.

INSTALLATION NOTE:

1. The trash rack shall have one coat of paint.

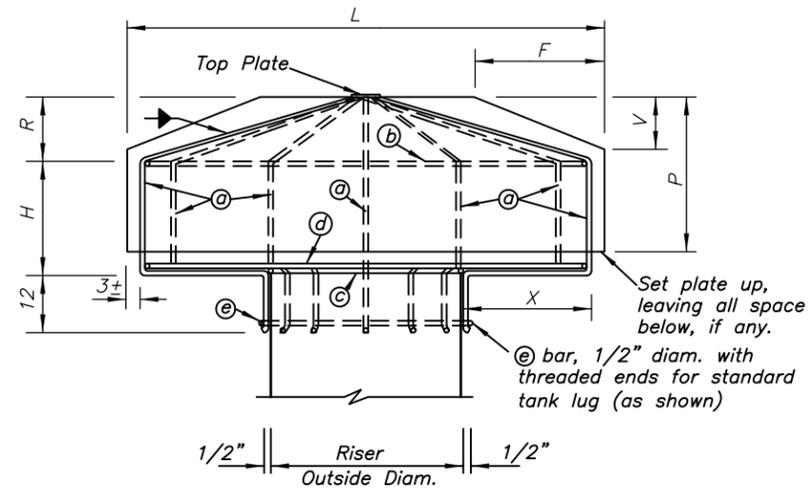


WELD SYMBOLS



NOTES: Weld symbol above line indicates weld is on opposite side of joint to which arrow points.

Weld symbol below line indicates weld is on side to which arrow points.



DRAFT

NOT FOR CONSTRUCTION

12" TO 36" DIAMETER PIPE RISER
TRASH RACK AND BAFFLE PLATE
FOR CMP RISER

Date _____

Designed _____

Drawn _____

Checked _____

Approved _____



File Name _____

Drawing Name
29-N-202