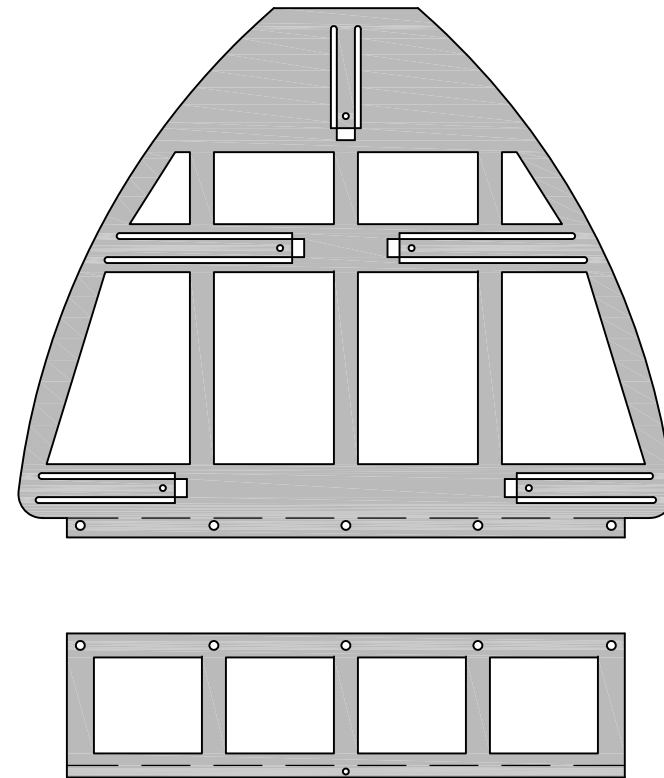
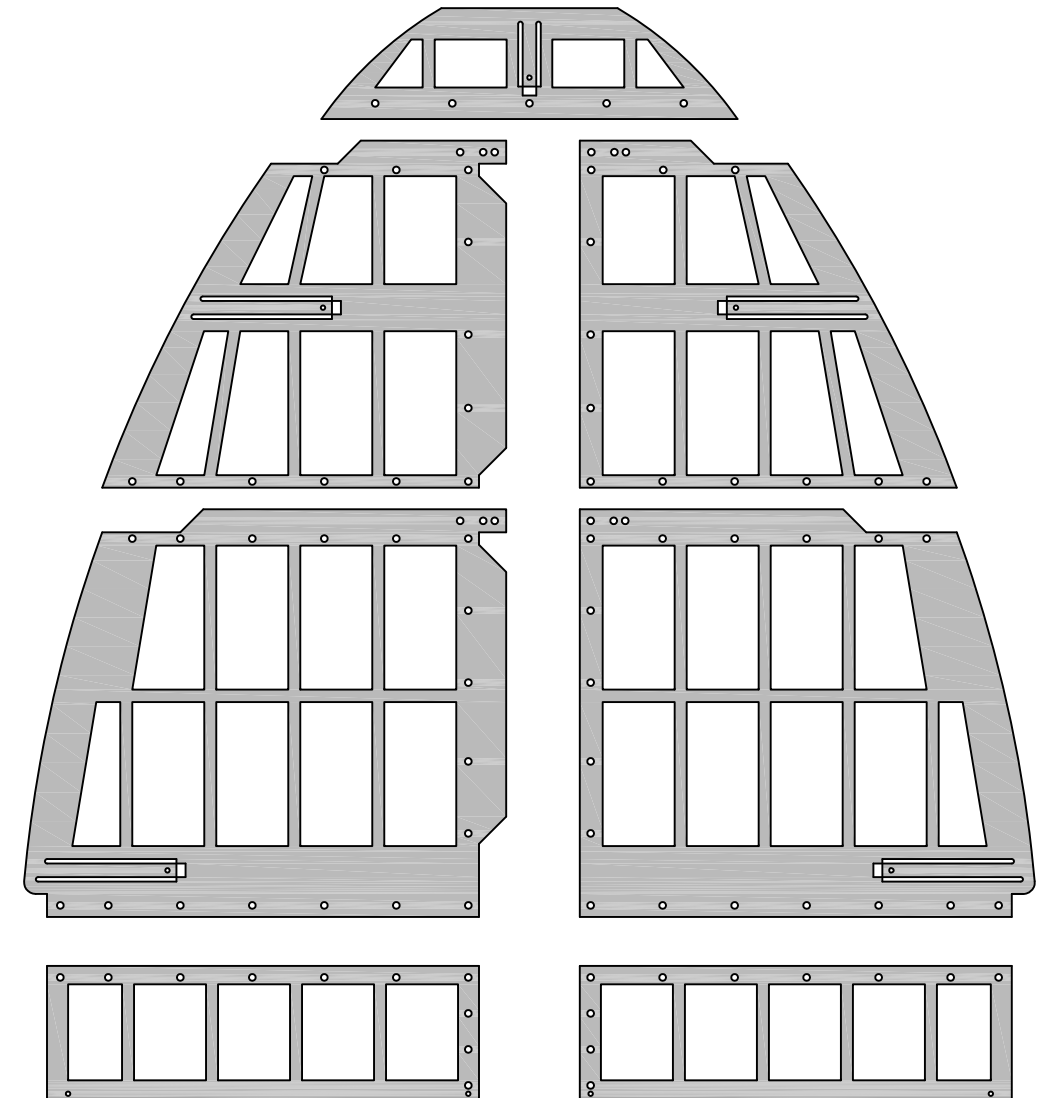


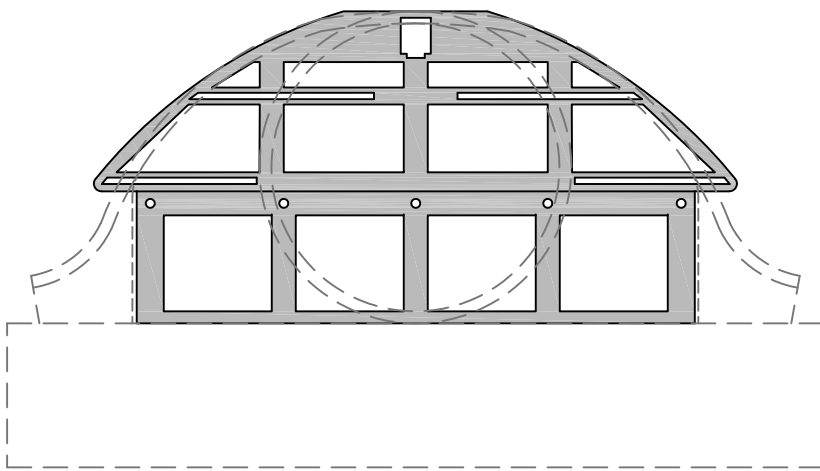
PLAN VIEW



TYPICAL TRASH GUARD
(One Piece Top)
(One Piece Front)



TYPICAL TRASH GUARD
(Five Piece Top)
(Two Piece Front)



FRONT VIEW

TRASH GUARDS FOR ROUND PIPE (CSP)						
Pipe Size Dia.	Pieces	Bolts & Nuts	Screws	TOP Openings * Sq. Ft.	FRONT Openings * Sq. Ft.	TOTAL OPENINGS * Sq. Ft.
6"	1	0	3	0.19	0.14	0.33
8"	1	0	4	0.55	0.25	0.80
10"	1	0	4	0.82	0.42	1.24
12"	2	5	4	0.89	0.50	1.39
15"	2	5	5	2.15	0.73	2.88
18"	2	7	8	3.33	1.07	4.40
21"	2	7	8	4.63	1.15	5.78
24"	2	7	8	5.72	1.85	7.57
30"	4	23	8	9.46	2.52	11.98
36"	7	45	8	13.86	3.17	17.03
42"	7	48	8	18.80	4.17	22.97
48"	7	57	8	20.81	10.00	30.81
54"	7	64	8	33.00	7.22	40.22
60"	7	71	8	37.77	9.04	46.81

TRASH GUARDS FOR CORRUGATED ARCHED PIPE (CSPA)						
Pipe Size "W" x "H"	Pieces	Bolts & Nuts	Screws	TOP Openings * Sq. Ft.	FRONT Openings * Sq. Ft.	TOTAL OPENINGS * Sq. Ft.
17" x 13"	2	5	6	1.53	0.58	2.11
28" x 20"	2	7	8	5.13	1.32	6.45
35" x 24"	2	9	8	7.08	2.60	9.68
42" x 29"	5	31	8	10.89	2.82	13.71
49" x 33"	7	52	8	13.72	4.58	18.30
57" x 38"	7	54	8	21.16	6.00	27.16

* - Openings calculated on Shop Drawings with no adjustments for Standard Shop Tolerances.

NO.	DATE	REVISION

**TRASH GUARDS
FOR
CM END SECTIONS**



J & J Drainage Products Co.
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