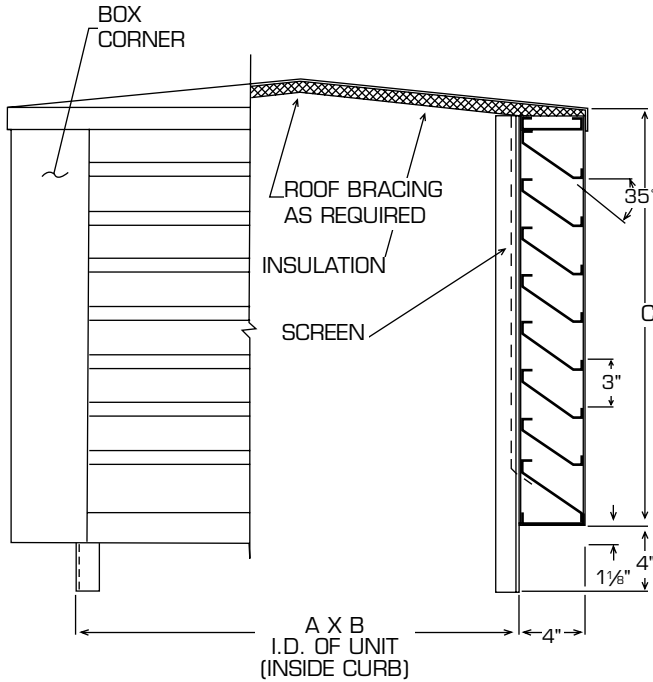




**CERTIFICATION & SUBMITTAL
MODEL 7252
Fabricated Metal Penthouses - 4" Drainable Blade**



STANDARD SPECIFICATIONS

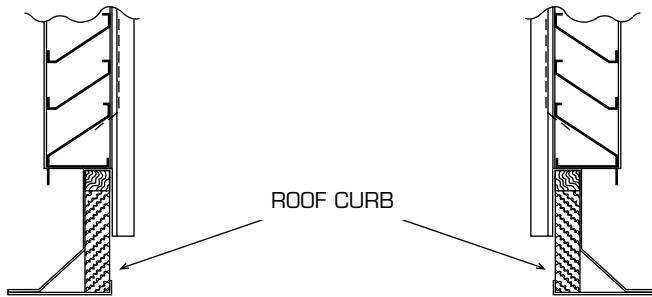
- **FRAME:** 1-1/2" x 1-1/2" x 1/8" galvanized steel structural angles.
- **BLADES:** 18 ga. galvanized steel.
- **ROOF:** Removable 18 ga. galvanized steel press formed and screwed to frame.
- **INSULATION:** 1/2" fiberglass on underside of roof.
- **BIRDSCREEN:** 19 ga. galvanized steel, 1/2" mesh.
- **CONSTRUCTION:** Box Corner - 18 ga. galvanized steel press formed.
- **FINISH:** Standard Mill.

OPTIONS

- 36 All Welded Construction.
- 40 Standard Screen in Removable Frame.
- 42 18 x 16 Mesh Aluminum Insect Screen (removable).
- 47 1/2" x 1/2" x 19 ga. P.V.C. Coated Birdscreen.
- 81 16 ga. Construction.
- 86 Aluminum Construction.
- 88 Paint Grip Material Construction.
- 95 Finishing.

NOTES

1. A and B are opening dimensions. Unless otherwise specified, penthouses are made 1/2" undersize.
2. Refer to form #4252 for louver construction.
3. Refer to catalog #8000 for roof curb information.
4. Large units, depending on freight requirements are shipped knocked down in multiple sections for field assembly.



**Penthouse Model
7252**

**Corners
Box**

**Louver Model
4450**



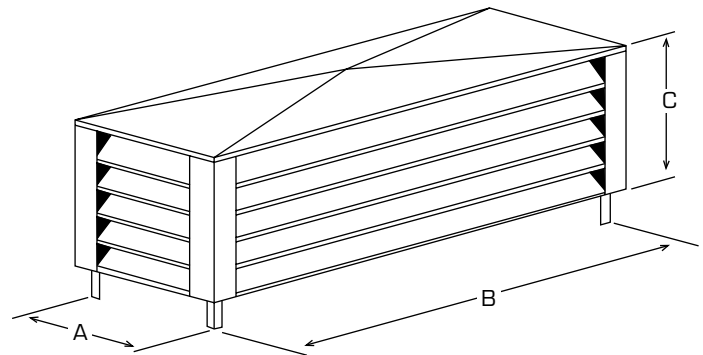
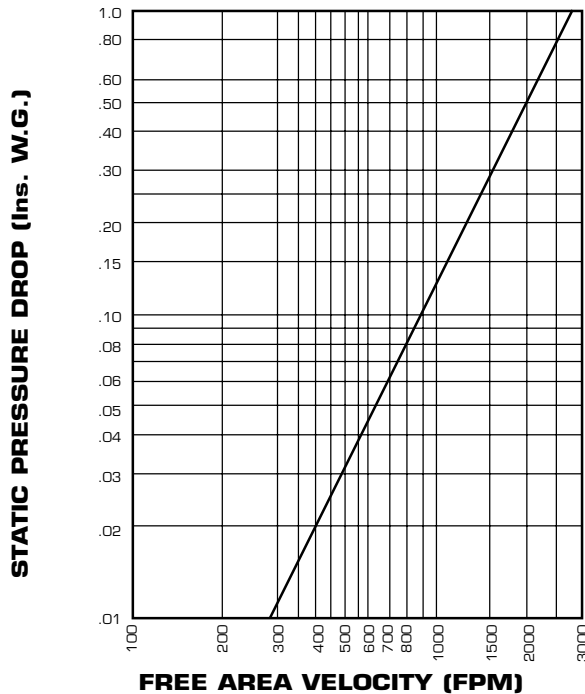
**PERFORMANCE DATA
MODEL 7252
Fabricated Metal Penthouses - 4" Drainable Blade**

FREE AREA CHART

		A - WIDTH or B LENGTH (In Inches)															
		12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72
C - HEIGHT (In Inches)	12	.26	.37	.48	.59	.70	.81	.92	1.03	1.13	1.24	1.35	1.46	1.57	1.68	1.79	1.90
	16	.42	.60	.78	.96	1.14	1.32	1.50	1.68	1.86	2.03	2.21	2.39	2.57	2.75	2.93	3.11
	20	.49	.70	.90	1.11	1.32	1.52	1.73	1.94	2.14	2.35	2.56	2.76	2.97	3.18	3.38	3.59
	24	.66	.93	1.21	1.48	1.76	2.04	2.31	2.59	2.86	3.14	3.42	3.69	3.97	4.24	4.52	4.80
	28	.82	1.17	1.51	1.86	2.20	2.55	2.89	3.24	3.58	3.93	4.28	4.62	4.97	5.31	5.66	6.00
	32	.89	1.26	1.63	2.01	2.38	2.75	3.13	3.50	3.87	4.25	4.62	4.99	5.37	5.74	6.11	6.49
	36	1.05	1.49	1.94	2.38	2.82	3.26	3.71	4.15	4.59	5.04	5.48	5.92	6.36	6.81	7.25	7.69
	40	1.22	1.73	2.24	2.75	3.26	3.78	4.29	4.80	5.31	5.83	6.34	6.85	7.36	7.87	8.39	8.90
	44	1.28	1.82	2.36	2.90	3.44	3.98	4.52	5.06	5.60	6.14	6.68	7.22	7.76	8.30	8.84	9.38
	48	1.45	2.06	2.67	3.28	3.88	4.49	5.10	5.71	6.32	6.93	7.54	8.15	8.76	9.37	9.98	10.59
	52	1.61	2.29	2.97	3.65	4.33	5.01	5.69	6.36	7.04	7.72	8.40	9.08	9.76	10.44	11.12	11.79
	56	1.68	2.38	3.09	3.80	4.50	5.21	5.92	6.62	7.33	8.04	8.74	9.45	10.16	10.86	11.57	12.28
	60	1.84	2.62	3.40	4.17	4.95	5.72	6.50	7.28	8.05	8.83	9.60	10.38	11.16	11.93	12.71	13.48
	64	2.01	2.85	3.70	4.54	5.39	6.24	7.08	7.93	8.77	9.62	10.46	11.31	12.15	13.00	13.84	14.69
	68	2.07	2.95	3.82	4.69	5.57	6.44	7.31	8.19	9.06	9.93	10.81	11.68	12.55	13.43	14.30	15.17
	72	2.24	3.18	4.12	5.07	6.01	6.95	7.90	8.84	9.78	10.72	11.67	12.61	13.55	14.49	15.44	16.38

FREE AREA (Sq. Ft.) PER LOUVER SECTION

AIR PERFORMANCE TEST



Free Area = {2 (Ax C)} + {2 (Bx C)}

Example: Model 7252
 32" (A) x 60" (B) x 24" (C) I.D. Dimensions
 Free Area = {2 (free area of 32" x 24")} + {2 (free area of 60" x 24")}
 Free Area = {2 (2.04)} + {2 (3.97)}
 Free Area = (4.08) + (7.94)
 Free Area = 12.02 Sq. Ft.

It is possible for moisture to penetrate louvers under adverse atmospheric conditions. Drained ductwork or other means of drainage is recommended.

Data shown includes the effect of .051 x 3/4" diamond pattern aluminum birdscreen. Graphs are corrected to standard air density .075 lb. per cubic ft.

RECOMMENDED MAXIMUM INTAKE FREE AREA VELOCITY 950 F.P.M.