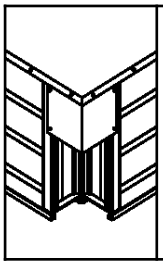
Galvanized Steel Penthouse
High Performance

Model: PFAB Post Corner



Post Corner
Independent louver panels (sides) are built and mounted to the internal frame with corner covers installed.

Model PFAB

▼ Standard Specifications

Frame: 18 gauge galvanized steel, 4" deep

Blades: J style, 20 gauge galvanized steel, positioned at 45° angles on approximately 4" centers.

Roof: Fabricated at .050" (1.3mm) thickness 20 gauge formed galvanized steel, roof is secured with sheet metal screws for ease in removal. Flat roofs are cross-broken for adequate element run-off. Models with pitched roofs have a 1" in 12" or 3" in 12" (25.4mm in 305mm or 76mm in 305mm) pitch.

Internal Framing: 1-1/2" x 1-1/2" x 1/8 (38mm x 38mm) framing angles of 20 gauge galvanized steel on 48" (1219mm) maximum centers.

Finish: galvanized steel mill finish for low maintenance and resistance to corrosion

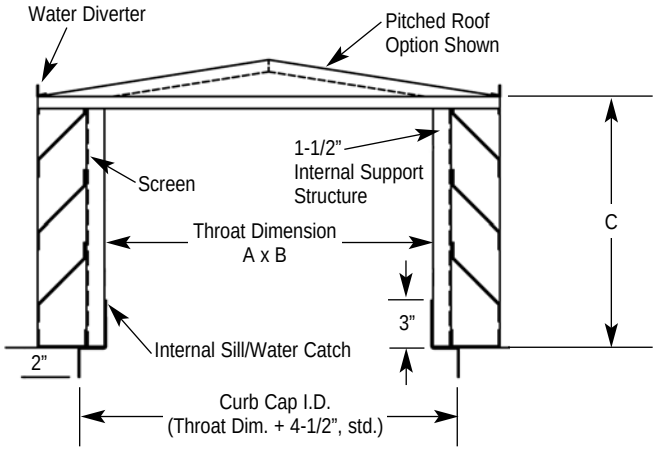
Screen: 3/4" x .051" flattened aluminum birdscreen

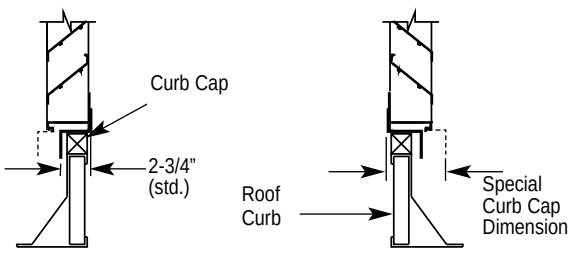
Sizing: Order size is actual throat dimensions. Throat is under-cut 1/2" (12mm) in both "A" and "B" dimensions for installation allowance.

Minimum: 12"w x 12"l x 12"h (305mm x 305mm x 305mm)

Maximum: 72"w x 220"l x 80"h (1829mm x 5588mm x 2032mm). Unlimited size with multiple section assembly.

Note: Louvered Penthouses are reasonably weather tight. However, they are not recommended for use where airborne water droplets from storms or high winds may damage the interior of the building. Provisions should always be made for potential wind driven rain or snow carry over because air can pass completely through a Louvered Penthouse.





Standard Curb Cap Installation

Model PFAB

Free Area in Square Feet

HEIGHT INCHES	WIDTH IN INCHES									
	8	12	18	24	30	36	42	48	54	60
10	0.07	0.11	0.19	0.26	0.34	0.41	0.49	0.56	0.64	0.71
12	0.13	0.23	0.38	0.53	0.68	0.83	0.98	1.13	1.28	1.43
18	0.23	0.41	0.67	0.93	1.20	1.46	1.73	1.99	2.25	2.52
24	0.38	0.67	1.10	1.54	1.97	2.40	2.84	3.27	3.70	4.14
30	0.48	0.84	1.39	1.94	2.49	3.04	3.58	4.13	4.68	5.23
36	0.63	1.11	1.82	2.54	3.25	3.98	4.59	5.41	6.13	6.85
42	0.73	1.28	2.11	2.95	3.78	4.61	5.44	6.27	7.11	7.94
48	0.88	1.54	2.56	3.56	4.55	5.55	6.56	7.56	8.58	9.56
54	0.98	1.72	2.84	3.95	5.07	6.18	7.30	8.42	9.53	10.65
60	1.12	1.98	3.27	4.56	5.84	7.12	8.41	9.70	10.98	12.27
66	1.22	2.16	3.56	4.96	6.38	7.76	9.16	10.56	11.96	13.36
72	1.37	2.42	3.99	5.58	7.13	8.70	10.27	11.84	13.41	14.98
78	1.47	2.60	4.28	5.96	7.65	9.33	11.02	12.70	14.38	16.07
84	1.62	2.86	4.71	6.57	8.42	10.27	12.13	13.98	15.83	17.69
90	1.72	3.03	5.00	6.97	8.94	10.91	12.87	14.84	16.81	18.78
96	1.87	3.30	5.43	7.57	9.71	11.85	13.98	16.12	18.26	20.40

PFAB Selection and Examples

Example 1:
Airflow given as 12,000 cfm – select four louver sides

A. 12,000 cfm ÷ 4 louver sides = 3,000 cfm per side

B. 3,000 cfm ÷ 840 fpm = 3.57 ft² (F.A.) per side

C. Select louver from the above free area chart

42"w x 30"h = 3.58 ft² (F.A.)
3.58 ft² x 4 sides = 14.32 ft² total

Example 2:
To select "rectangular" shape in lieu of square

A. Simply break down 14.32 ft²

4 + 4 + 3 + 3 = 14 ft²

B. Select louver from above free area chart

3 ft² = 36" x 30"
4 ft² = 46" x 30"

Penthouse size 46"w x 36"l x 30"h