



(ENGINEERS)  
**SUBMITTAL DATA**

Drainable Blade with Jamb Gutters Downspouts  
 Box Corners

**HIGH PERFORMANCE PENTHOUSE 6" [152mm]**

**STANDARD CONSTRUCTION**

**FRAME:**

0.125" [3.18mm] 6063-T6 extruded aluminum. Corners will be "box".

**BLADES:**

6063-T6 extruded aluminum with 0.081" [2.06mm] thickness. All units incorporate hidden mullions at 60" [1524mm] centers for blade support.

**ROOF:**

Fabricated at 0.050" [1.27mm] thickness 3003-H14 formed aluminum, roof is secured with sheet metal screws for ease in removal. Flat roof models are cross-broken for adequate element run-off; models with pitched roofs have a 1" in 12" or 3" in 12" [25.40mm in 305mm or 76mm in 305mm] pitch.

**INTERNAL FRAMING:**

1-1/2" x 1-1/2" x 1/8" [38mm X 38mm X 3.18mm] framing angles of 6063-T6 extruded aluminum on 48" [1219mm] maximum centers.

**SCREEN:**

3/4" x 0.051" [19.05mm X 1.30mm] flattened aluminum bird screen

**FINISH:**

Aluminum mill finish for low maintenance and resistance to corrosion

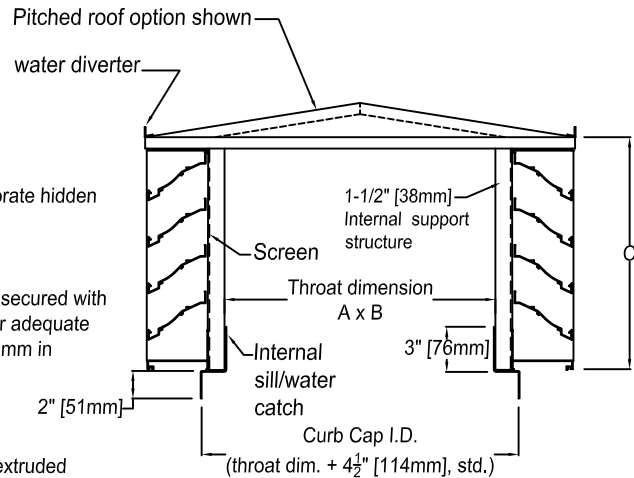
**SIZING:**

Order size is actual throat dimensions. Throat is undercut 1/4" [6.35mm] in both "A" and "B" dimensions for installation allowance.

12"w X 12"L X 12"h [305mm x 305mm x 305mm] is the minimum size. Maximum preassembled size: 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.



**OPTIONS:**

- Pitched roof with gable ends, Pitched \_\_\_\_\_" per foot
- Hinged Roof (maximum size: 60" x 60" [1524mm X 1524mm])
- Insect screen (18-16 mesh)
- Other Screens (specify) \_\_\_\_\_
- Special finish \_\_\_\_\_
- Roof Curb (see curb drawing)
- Filter Racks
- Blank-off Panels
- Anti-Condensate Coating
- 1" [25.40mm] Fiberglass Insulation
- 125 MPH [201km/h] Construction
  - 1/4" [6.35mm] Internal Framing
  - Welded Louver Construction
  - Tie Downs

| QTY. | ROOF (FLAT OR PITCHED) | "A" (width) | "B" (length) | "C" (height) | OPTIONS / ACCESSORIES / VARIATIONS |
|------|------------------------|-------------|--------------|--------------|------------------------------------|
|      |                        |             |              |              |                                    |
|      |                        |             |              |              |                                    |
|      |                        |             |              |              |                                    |
|      |                        |             |              |              |                                    |

|             |   |                     |                         |
|-------------|---|---------------------|-------------------------|
| Job Name:   | <input type="checkbox"/> <b>MODEL PFL-D-6.1</b> |                     |                         |
| Location:   |   |                     |                         |
| Architect:  | DRAWN BY:<br>CLJ                                | DATE:<br>1-27-01    | REV. DATE:<br>3-27-13   |
| Engineer:   | REV. NO.<br>15                                  | APPROVED BY:<br>BGT | DWG. NO.:<br><b>B-3</b> |
| Contractor: |   |                     |                         |



**Model PFL-D-6.1 - Box Corner  
Performance Data (CFM)**

| Length + Width (A + B) | Height (Tiers) | Free Area Velocity / Pressure Drop - Intake (fpm/in. of w.g.) |          |          |          |          |          |           |          |           |
|------------------------|----------------|---|----------|----------|----------|----------|----------|-----------|----------|-----------|
|                        |                | 200/.040  | 300/.060 | 400/.070 | 500/.080 | 600/.090 | 700/.110 | *800/.125 | 900/.150 | 1000/.220 |
| 24                     | 11" (2)        | 430   | 650      | 850      | 1,075    | 1,300    | 1,500    | 1,725     | 1,950    | 2,150     |
|                        | 16" (3)        | 575   | 850      | 1,150    | 1,425    | 1,725    | 2,000    | 2,300     | 2,575    | 2,875     |
|                        | 20½" (4)       | 925   | 1,375    | 1,850    | 2,300    | 2,775    | 3,225    | 3,700     | 4,175    | 4,625     |
| 36                     | 11" (2)        | 600   | 900      | 1,200    | 1,500    | 1,800    | 2,125    | 2,425     | 2,725    | 3,025     |
|                        | 16" (3)        | 925   | 1,400    | 1,875    | 2,350    | 2,825    | 3,300    | 3,775     | 4,225    | 4,700     |
|                        | 20½" (4)       | 1,275   | 1,925    | 2,575    | 3,225    | 3,875    | 4,525    | 5,175     | 5,825    | 6,475     |
| 48                     | 11" (2)        | 775   | 1,150    | 1,550    | 1,950    | 2,325    | 2,725    | 3,100     | 3,500    | 3,900     |
|                        | 16" (3)        | 1,275   | 1,900    | 2,550    | 3,200    | 3,825    | 4,475    | 5,100     | 5,750    | 6,400     |
|                        | 20½" (4)       | 1,650   | 2,475    | 3,325    | 4,150    | 4,975    | 5,800    | 6,650     | 7,475    | 8,300     |
|                        | 25" (5)        | 2,025   | 3,050    | 4,075    | 5,100    | 6,100    | 7,125    | 8,150     | 9,175    | 10,200    |
| 60                     | 16" (3)        | 1,550   | 2,350    | 3,125    | 3,900    | 4,700    | 5,475    | 6,250     | 7,050    | 7,825     |
|                        | 20½" (4)       | 2,025   | 3,050    | 4,075    | 5,100    | 6,100    | 7,125    | 8,150     | 9,175    | 10,200    |
|                        | 25" (5)        | 2,475   | 3,725    | 4,975    | 6,200    | 7,450    | 8,700    | 9,950     | 11,175   | 12,400    |
|                        | 30" (6)        | 2,975   | 4,450    | 5,950    | 7,425    | 8,925    | 10,400   | 11,900    | 13,375   | 14,875    |
|                        | 34½" (7)       | 3,425   | 5,150    | 6,875    | 8,600    | 10,300   | 12,000   | 13,750    | 15,475   | 17,200    |
| 72                     | 20½" (4)       | 2,400   | 3,600    | 4,825    | 6,025    | 7,225    | 8,450    | 9,650     | 10,850   | 12,075    |
|                        | 25" (5)        | 2,925   | 4,400    | 5,875    | 7,350    | 8,825    | 10,300   | 11,775    | 13,225   | 14,700    |
|                        | 30" (6)        | 3,500   | 5,250    | 7,000    | 8,750    | 10,500   | 12,250   | 14,000    | 15,750   | 17,500    |
|                        | 34½" (7)       | 4,050   | 6,100    | 8,125    | 10,175   | 12,200   | 14,250   | 16,275    | 18,300   | 20,350    |
|                        | 39" (8)        | 4,600   | 6,900    | 9,200    | 11,500   | 13,800   | 16,100   | 18,400    | 20,700   | 23,000    |
| 84                     | 25" (5)        | 3,400   | 5,100    | 6,800    | 8,500    | 10,200   | 11,900   | 13,600    | 15,300   | 17,000    |
|                        | 30" (6)        | 4,040   | 6,050    | 8,075    | 10,100   | 12,100   | 14,100   | 16,150    | 18,175   | 20,200    |
|                        | 34½" (7)       | 4,675   | 7,025    | 9,375    | 11,700   | 14,000   | 16,400   | 18,750    | 21,000   | 23,400    |
|                        | 39" (8)        | 5,300   | 7,950    | 10,600   | 13,200   | 15,900   | 18,550   | 21,200    | 23,850   | 26,500    |
|                        | 43¾" (9)       | 5,900   | 8,900    | 18,875   | 14,850   | 17,800   | 20,800   | 23,775    | 26,700   | 29,700    |
| 96                     | 25" (5)        | 3,750   | 5,650    | 7,525    | 9,400    | 11,300   | 13,175   | 15,000    | 16,950   | 18,800    |
|                        | 30" (6)        | 4,050   | 6,075    | 8,100    | 10,150   | 12,175   | 14,200   | 16,250    | 18,275   | 20,300    |
|                        | 34½" (7)       | 5,175   | 7,775    | 10,350   | 12,950   | 15,500   | 18,125   | 20,700    | 23,300   | 25,900    |
|                        | 39" (8)        | 6,000   | 9,000    | 12,000   | 15,000   | 18,000   | 21,000   | 24,000    | 27,000   | 30,000    |
|                        | 43¾" (9)       | 6,725   | 10,100   | 13,475   | 16,850   | 20,200   | 23,600   | 26,950    | 30,300   | 33,700    |
|                        | 48½" (10)      | 7,400   | 11,100   | 14,800   | 18,500   | 22,200   | 25,900   | 29,600    | 33,300   | 37,000    |
| 120                    | 25" (5)        | 4,750   | 7,100    | 9,500    | 11,875   | 14,250   | 16,600   | 19,000    | 21,375   | 23,700    |
|                        | 30" (6)        | 5,650   | 8,475    | 11,300   | 14,100   | 16,975   | 19,800   | 22,650    | 25,430   | 28,300    |
|                        | 34½" (7)       | 6,550   | 9,850    | 13,100   | 16,400   | 19,700   | 22,950   | 26,250    | 29,500   | 32,800    |
|                        | 39" (8)        | 7,400   | 11,100   | 14,825   | 18,550   | 22,250   | 25,975   | 29,700    | 33,400   | 37,100    |
|                        | 43¾" (9)       | 8,350   | 12,500   | 16,700   | 20,850   | 25,000   | 29,200   | 33,400    | 37,550   | 41,750    |
|                        | 48½" (10)      | 9,100   | 13,700   | 18,250   | 22,850   | 27,400   | 32,000   | 36,500    | 41,100   | 45,700    |

\* Maximum recommended free area intake velocity

See catalog product page for construction details.

**Performance Caution: Wind Driven Rain Conditions could cause some water to penetrate through the louver blades. 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.**



**Model PFL-D-6.1 - Box Corner  
Performance Data (CFM)**

| Length + Width (A + B) | Height (Tiers) | Free Area Velocity / Pressure Drop - Intake (fpm/in. of w.g.) |          |          |          |          |          |           |          |           |
|------------------------|----------------|---|----------|----------|----------|----------|----------|-----------|----------|-----------|
|                        |                | 200/.040  | 300/.060 | 400/.070 | 500/.080 | 600/.090 | 700/.110 | *800/.125 | 900/.150 | 1000/.220 |
| 144                    | 30" (6)        | 6,700   | 10,100   | 13,450   | 16,850   | 20,200   | 23,600   | 26,950    | 30,300   | 33,700    |
|                        | 34½" (7)       | 7,800   | 11,700   | 15,650   | 19,550   | 23,450   | 27,350   | 31,300    | 35,200   | 39,100    |
|                        | 39" (8)        | 8,800   | 13,250   | 17,650   | 22,100   | 26,500   | 30,900   | 35,300    | 39,750   | 44,200    |
|                        | 43¾" (9)       | 9,900   | 14,850   | 19,800   | 24,750   | 29,700   | 34,500   | 39,600    | 44,500   | 49,500    |
|                        | 48½" (10)      | 10,850  | 16,300   | 21,700   | 27,100   | 32,550   | 38,000   | 43,450    | 48,850   | 54,300    |
|                        | 53" (11)       | 12,000  | 18,000   | 24,000   | 30,000   | 36,000   | 42,000   | 48,000    | 54,000   | 60,000    |
|                        | 57¾" (12)      | 13,000  | 19,600   | 26,150   | 32,700   | 39,250   | 45,800   | 52,300    | 58,900   | 65,400    |
| 192                    | 39" (8)        | 11,650  | 17,500   | 23,300   | 29,150   | 35,000   | 40,850   | 46,650    | 52,500   | 58,300    |
|                        | 43¾" (9)       | 13,000  | 19,600   | 26,150   | 32,700   | 39,250   | 45,800   | 52,300    | 58,900   | 65,400    |
|                        | 48½" (10)      | 14,300  | 21,500   | 28,700   | 35,900   | 43,100   | 50,250   | 57,450    | 64,650   | 71,800    |
|                        | 53" (11)       | 16,200  | 24,300   | 32,400   | 40,500   | 48,600   | 56,700   | 64,800    | 72,900   | 81,000    |
|                        | 57¾" (12)      | 17,400  | 26,100   | 34,850   | 43,600   | 52,300   | 61,000   | 69,700    | 78,450   | 87,200    |
|                        | 62½" (13)      | 18,600  | 28,000   | 37,300   | 46,650   | 56,000   | 65,300   | 74,600    | 84,000   | 93,300    |
|                        | 67" (14)       | 20,000  | 30,000   | 40,000   | 50,000   | 60,000   | 70,000   | 80,000    | 90,000   | 100,000   |
| 216                    | 39" (8)        | 13,000  | 19,600   | 26,150   | 32,700   | 39,200   | 45,800   | 52,350    | 58,850   | 65,400    |
|                        | 43¾" (9)       | 14,650  | 22,000   | 29,350   | 36,700   | 44,000   | 51,350   | 58,700    | 66,000   | 73,400    |
|                        | 48½" (10)      | 16,100  | 24,150   | 32,200   | 40,200   | 48,300   | 56,350   | 64,400    | 72,500   | 80,500    |
|                        | 53" (11)       | 17,750  | 26,650   | 35,500   | 44,450   | 53,550   | 62,250   | 71,150    | 80,000   | 88,900    |
|                        | 57¾" (12)      | 19,350  | 29,000   | 38,700   | 48,400   | 58,100   | 67,800   | 77,500    | 87,200   | 96,900    |
|                        | 62½" (13)      | 20,900  | 31,400   | 41,850   | 52,300   | 62,800   | 73,200   | 83,700    | 94,200   | 104,600   |
|                        | 67" (14)       | 22,400  | 33,700   | 44,950   | 56,200   | 67,400   | 78,600   | 89,900    | 101,100  | 112,400   |
|                        | 71½" (15)      | 24,000  | 36,000   | 48,000   | 60,000   | 72,000   | 84,000   | 96,000    | 108,000  | 120,000   |
| 240                    | 48½" (10)      | 17,400  | 26,000   | 34,800   | 43,550   | 52,200   | 60,975   | 69,600    | 78,400   | 87,100    |
|                        | 53" (11)       | 19,300  | 28,900   | 38,600   | 48,200   | 57,900   | 67,500   | 77,200    | 86,900   | 96,500    |
|                        | 57¾" (12)      | 20,900  | 31,400   | 41,900   | 53,400   | 62,800   | 73,300   | 83,000    | 94,300   | 104,800   |
|                        | 62½" (13)      | 22,600  | 33,900   | 45,200   | 56,500   | 67,800   | 79,200   | 90,500    | 101,800  | 113,100   |
|                        | 67" (14)       | 24,300  | 36,400   | 48,600   | 60,700   | 72,900   | 85,000   | 97,200    | 109,400  | 121,500   |
|                        | 71½" (15)      | 25,900  | 38,900   | 51,900   | 64,900   | 77,900   | 90,900   | 103,900   | 116,600  | 129,900   |

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See catalog product page for construction details.

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