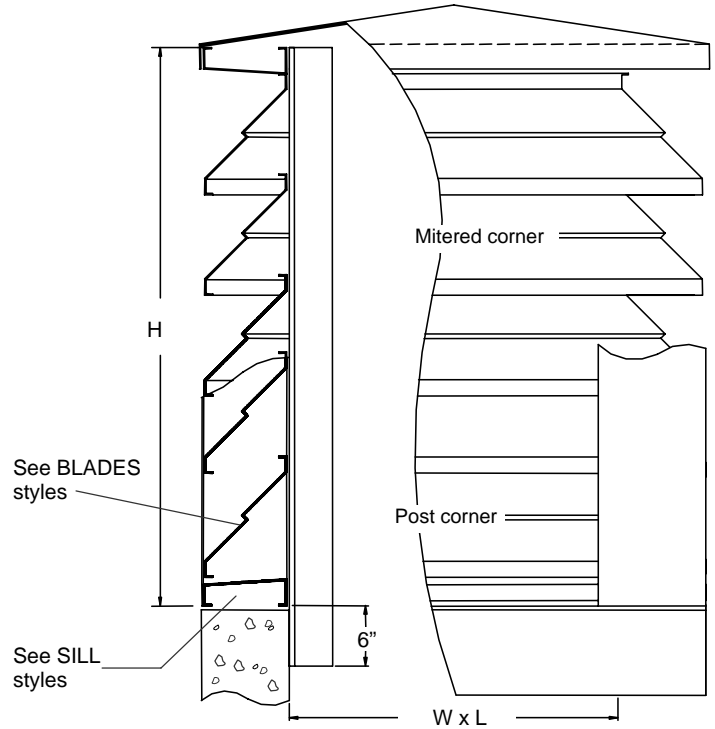


PENTHOUSES - FORMED STEEL (P-series & M-series)

Design Features – Penthouses may be utilized as an attractive concealment of mechanical equipments and offer excellent air intake or relief while providing protection from outside elements. For storm-driven rain protection, a wind-drain rain louvers may be used.

STANDARD CONSTRUCTION

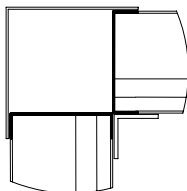
- FRAME**
20 gauge formed galvanized steel, (see frame styles)
- BLADES**
20 gauge formed galvanized steel, (see blade styles)
- ROOF**
20 gauge formed galvanized steel, undercoated with black tar for anti-condensation
- LOUVER AND ROOF SUPPORTS**
Aluminum angles designed for (25) psf wind load. Consult SAFE-AIR/DOWCO engineers for heavier loads
- FASTENERS**
Plated steel screws
- MAXIMUM SIZE**
Unlimited, to be shipped in pre-assembled sections
- MAXIMUM FACTORY ASSEMBLY SIZE**
84”L x 84”W x 48”H
(Type of finish may limit maximum sizes)
- MULLION**
Visible
- MINIMUM SIZE**
12”L x 12”W x 12”H
- UNDERSIZED**
1/4” under ordered size unless specified Exact or Actual
- SCREEN**
1/2” mesh x 19 gauge galvanized bird screen
- FINISH**
Mill



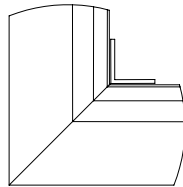
VERT. SECT / ELEVATION

OPTIONAL CONSTRUCTION

- BLADES, FRAME & ROOF** - Available in heavier gauge material, (304) or (316) stainless steel
- SCREEN** - Many styles available please consult screen listing
- FINISH** – Factory Prime Coat, Powder Epoxy, Powder Coat (AAMA 2604), Powder Coat (AAMA 2605), Kynar 500 2-step, Kynar 500 3-step, Clear Anodized 204-R1, Clear Anodized 215-R1, Bronze Anodized, Black Anodized
- MULLION** – Invisible for architectural preference
- CONSTRUCTION** – Fully welded construction

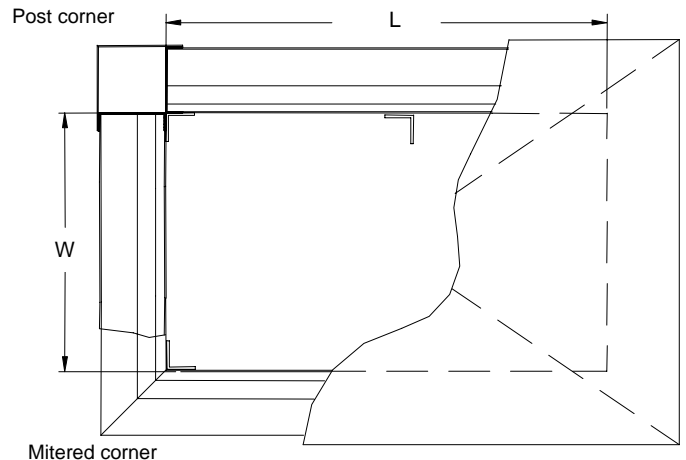


P – series
Post Corners



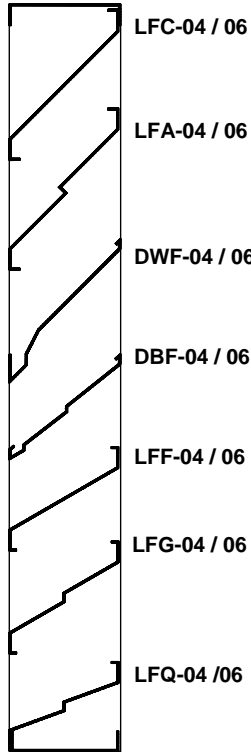
M – series
Mitered Corners

CORNER STYLES



PLAN VIEW

DATE	ARCHITECT / ENGR			CUSTOMER
PROJECT				
ITEM	QTY	W	H	DESCRIPTION

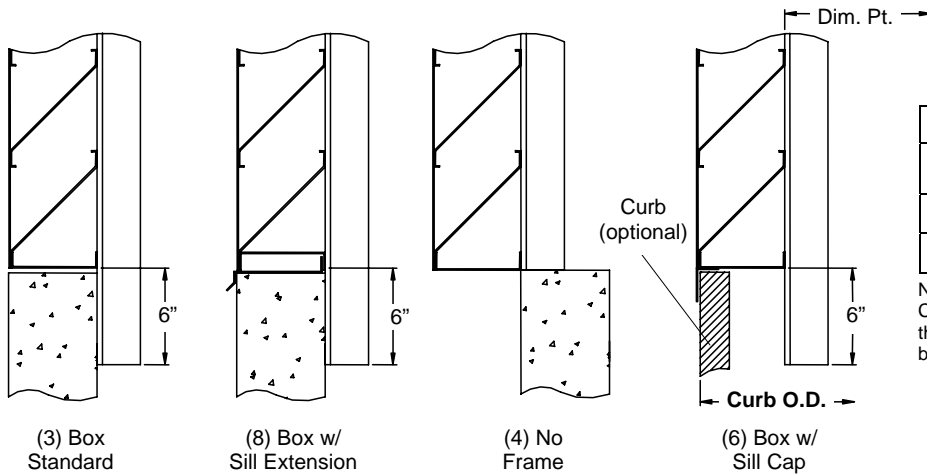


BLADE STYLES							
Model #	Depth	Blade Style	Blade Spacing	Free Area (4' x 4' unit)	Water Penetration (.01 oz. H ₂ O) FPM	Pressure Drop @ 1000 FPM	
LFC-04	4"	Straight @ 45°	4-3/8" oc.	53%	650	.18" wg.	
LFC-06	6"	Straight @ 45°	6" oc.	53%	680	.17" wg.	
LFA-04	4"	Hooked @ 45°	5-3/8" oc.	50%	672	.18" wg.	
LFA-06	6"	Hooked @ 45°	6-1/2" oc.	48%	710	.17" wg.	
DWF-04	4"	Drainable @ 45°	4-1/2" oc.	58%	822	.17" wg.	
DWF-06	6"	Drainable @ 45°	6-3/8" oc.	57%	821	.15" wg.	
DBF-04	4"	Drainable @ 40°	3" oc.	58%	973	.16" wg.	
DBF-06	6"	Drainable @ 35°	3-1/2" oc.	60%	1010	.14" wg.	
LFF-04	4"	Straight @ 30°	3" oc.	56%	650	.13" wg.	
LFF-06	6"	Straight @ 30°	4-1/16" oc.	61%	710	.13" wg.	
LFG-04	4"	Hooked @ 30°	3-5/8" oc.	60%	660	.15" wg.	
LFG-06	6"	Hooked @ 30°	5" oc.	60%	715	.14" wg.	
LFQ-04	4"	Hooked @ 20°	2-1/2" oc.	55%	610	.08" wg.	
LFQ-06	6"	Hooked @ 20°	3-1/4" oc.	55%	680	.08" wg.	

Notes:

- Above performances are based on 4' x 4' unit, smaller sizes have less free areas than larger sizes.
- Wind-driven rain louvers may be used for storm-driven rain protection. Consult factory for more information.
- Any type of louver blades not shown above can be used as penthouses, i.e. adjustable louvers, combination louvers, or vertical blade configuration. Consult factory for availability.
- Back-draft dampers, control dampers, motorized or non-motorized can be installed in the throat of penthouses or roof curbs.
- Removable roof or insulated roof is available as an option.
- Roof curbs are available as option (see roof curbs section)
- Drainable louvers are best recommended with post corners and visible mullion to prevent water from cascading.

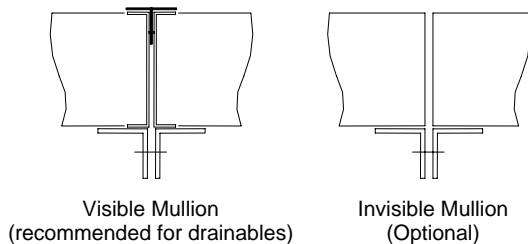
BLADE STYLES



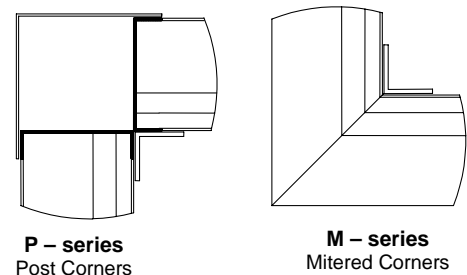
SILL FRAME STYLE

ROOF CURBS	
LOUVER DEPTH	CURB – O.D. ACTUAL
4"	Dim. Pt. + 7.125"
6"	Dim. Pt. + 11.125"

Note:
Curb thickness shall be no more than 3-1/2" thick to fit inside the bottom frame.



MULLION STYLE



CORNER STYLES