COMPANY PROFILE

METALLIC PRODUCTS™
Built for More

Since its founding in 1962, Metallic Products Corp. has grown to become an industry leader in the field of design and manufacturing of ridge vents, roof curbs, wall louvers and door canopies for the steel building industry.

Back in the early 60s, most metal building manufacturers made their building accessories themselves – a process which they found both costly and time consuming. Metallic Products' founder, Roy Hairston, began with the idea that through specialization, both higher quality and lower cost could be achieved. Through the years, we have remained committed to these ideals of higher quality and lower costs. And now, because of our dedicated commitment to service, our customers have helped us attain heights never imagined by Mr. Hairston back in 1962.

By our implementation of Total Quality Management techniques in 1992, our customers have been able to enjoy significantly lower costs and increased product quality with shortened lead times. We feel this increase in customer satisfaction is based upon the quality of our workforce. This dedication and experience gives you the benefits of flexibility in getting both standard and custom-made products to meet your high standards of price, quality and service.

MISSION STATEMENT

The entire Metallic Products organization will continue our commitment to our valued customers. Our purpose is to provide you with the highest quality products along with the highest levels of service. We pledge to listen and respond to our customer's need and to earn your continued business every day. We understand that suppliers and customers are partners with common goals of quality and performance. We strive every day to uphold our end of that partnership. Finally, we need and appreciate your business to help us continue to grow and to satisfy all your metal building component needs.

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METALLIC PRODUCTS IN ACTION

METALLIC PRODUCTS
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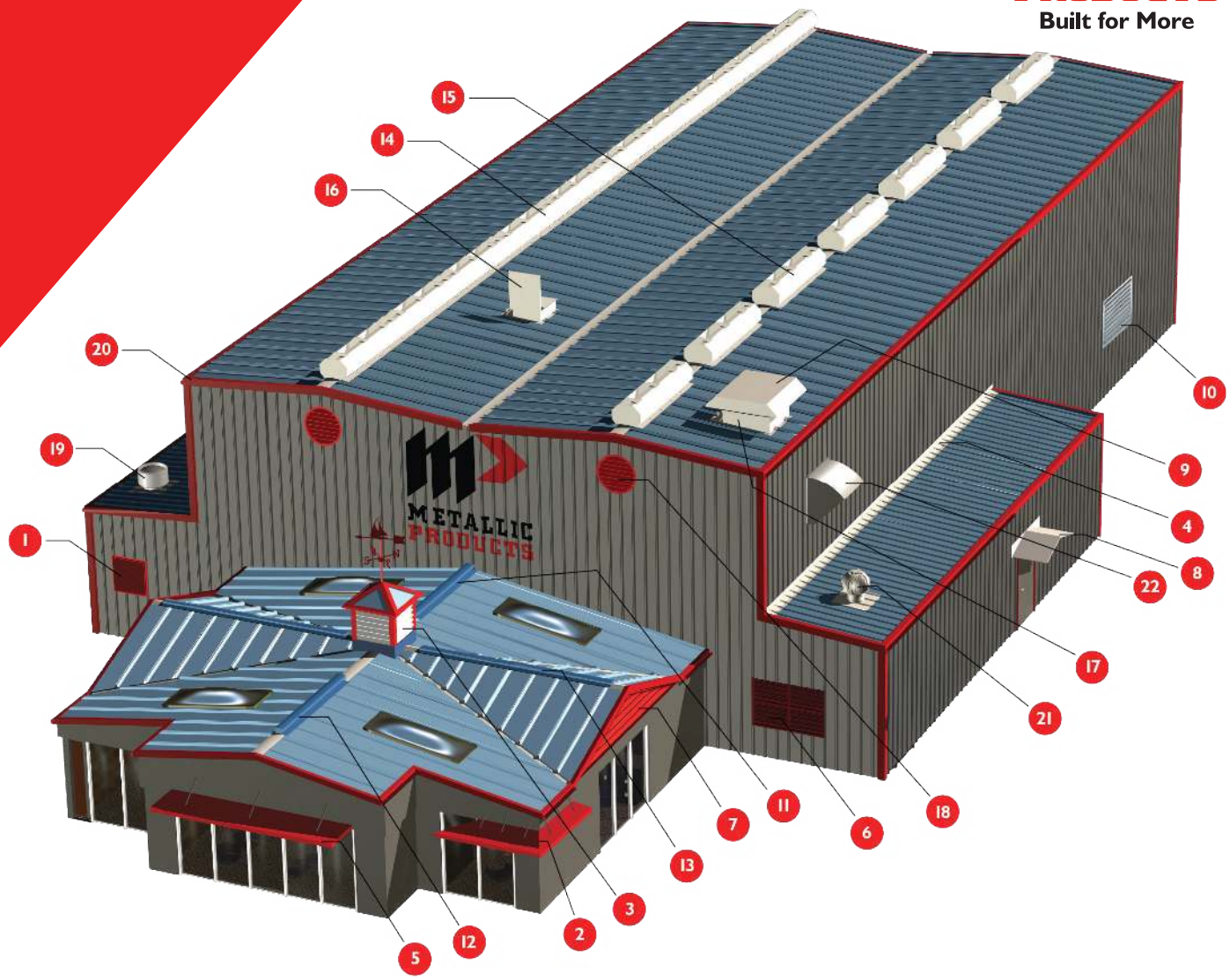

LEGEND

1. Adjustable Louver
2. Corner Canopy
3. Cupola & Weathervane
4. Die Formed Flashing
5. Door Canopy
6. Fixed Louver
7. Gable Louver
8. Ice Shield Canopy
9. Industrial Roof-Mount Fan
10. Lone Star Louver
11. Lone Star Vent
12. Low Profile Ridge Vent
13. PreVent
14. Ridge Vent (Continuous Run)
15. Ridge Vent (Single Unit)
16. Roof Access Hatch
17. Roof Curb
18. Round Louver
19. Round Vent
20. Trim
21. Turbine Vent
22. Wall Fan, Shutter & Weather Hood

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CONTINUOUS RIDGE VENTILATOR

A properly engineered ventilation system using continuous ridge ventilators controls the movement of fresh air through the building removing hot, stale air and air contaminated by manufacturing or production processes. Summer heat is released naturally through gravity ridge ventilators. During winter proper ventilation can assist in the control of condensation and other moisture problems, such as rust and deterioration of insulation or the damage to stored products.

Vents may be furnished with or without dampers to control the flow of air. Pull chains are the standard operators for dampers. Multiple damper operators are available for two or more units.

Standard ridge ventilators are shipped with a 1:12 end cap and can be field modified to accommodate up to a 6:12 roof pitch. Ventilators can be custom ordered to accommodate roof pitches greater than 6:12.

9" and 12" Throat
Continuous Ridge Ventilators

TDI APPROVED

ALSO AVAILABLE

Metallic Products' 9" and 12" throat continuous ridge ventilators are also available in Florida Product Approved specifications.

SPECIFICATIONS

STANDARD SIZE
9" throat and 12" throat available in 10' sections. Low profile design can be used for single unit or continuous run installation with no disassembly.

Additional sizes: 4", 15", 18", 24", 30", 36", 42" and 48"
For custom lengths or throat sizes, please contact your sales representative.

INTEGRAL DAMPERS
Easy-moving damper opens to any degree from fully open to completely closed. Lockerpull operator is standard and comes with 10' sash chain and chain keeper. Check out our ridge vent operator selections for hand pull, lever, boatwinch and operation extension options.

DESIGN
Aerodynamically proportioned to exclude weather. Protects air passages and full outlet area.

BIRD SCREEN
Vents are fully protected by bird screen mesh galvanized hardware cloth.

CONSTRUCTION
Durable 26-gauge exterior combined with internal components of 24-, 20- and 18-gauge die formed sheet metal and machined parts for long service life.

FINISH
Galvalume or Polar White finish is standard, and other colors are available, including Kynar.®

DRAINAGE AREA
Continuous slot drainage placed at the bottom of both sides of windbands.

NOTE
Please specify flat or die formed skirts, roof pitch, damper operator and color when ordering.

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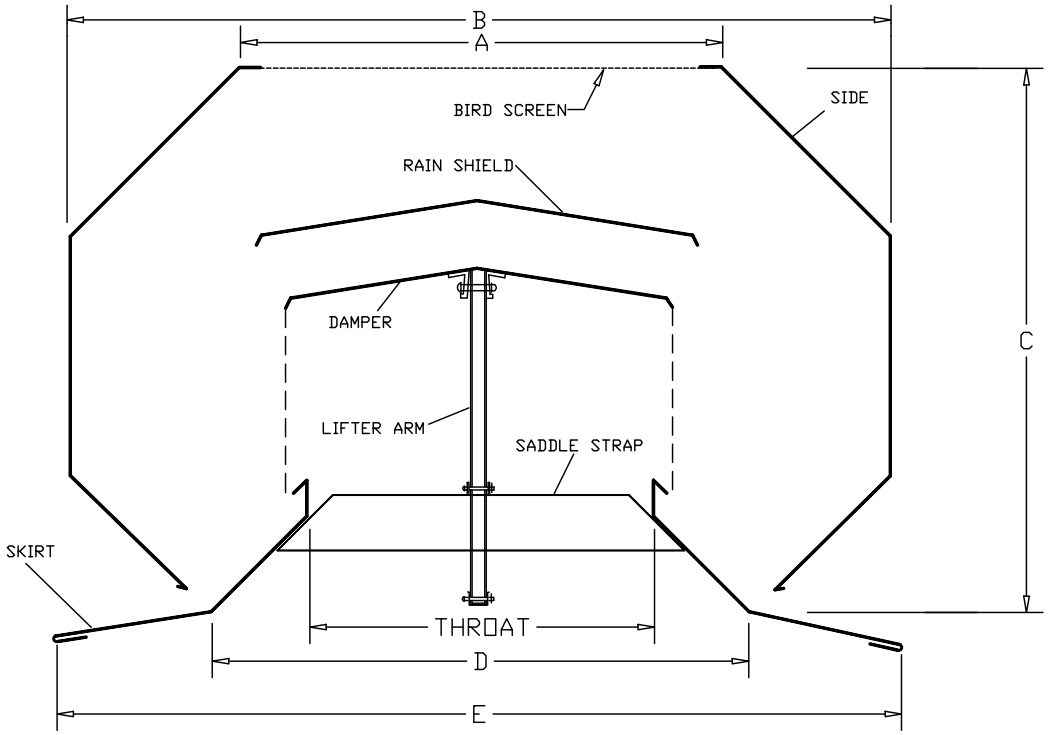

DIMENSIONS

THROAT*	A	B	C	D	E
4"	6-1/4"	12-1/2"	9"	10"	18"
9"	13"	21-1/4"	14-1/2"	16"	28-1/4"
12"	17"	28-1/2"	18"	20-3/4"	33"

**Other throat sizes available upon request.*
Roof panels must extend to "D" dimension for proper support and drainage.

SHIPPING WEIGHT

THROAT	STANDARD CRATED	PACKAGE SIZE *(L x W x H)*
4"	190 lbs.**	125" x 20" x 14"
9"	230 lbs.**	125" x 30-1/2" x 20"
12"	250 lbs.**	125" x 34-3/4" x 24"

***Approximate weight.*

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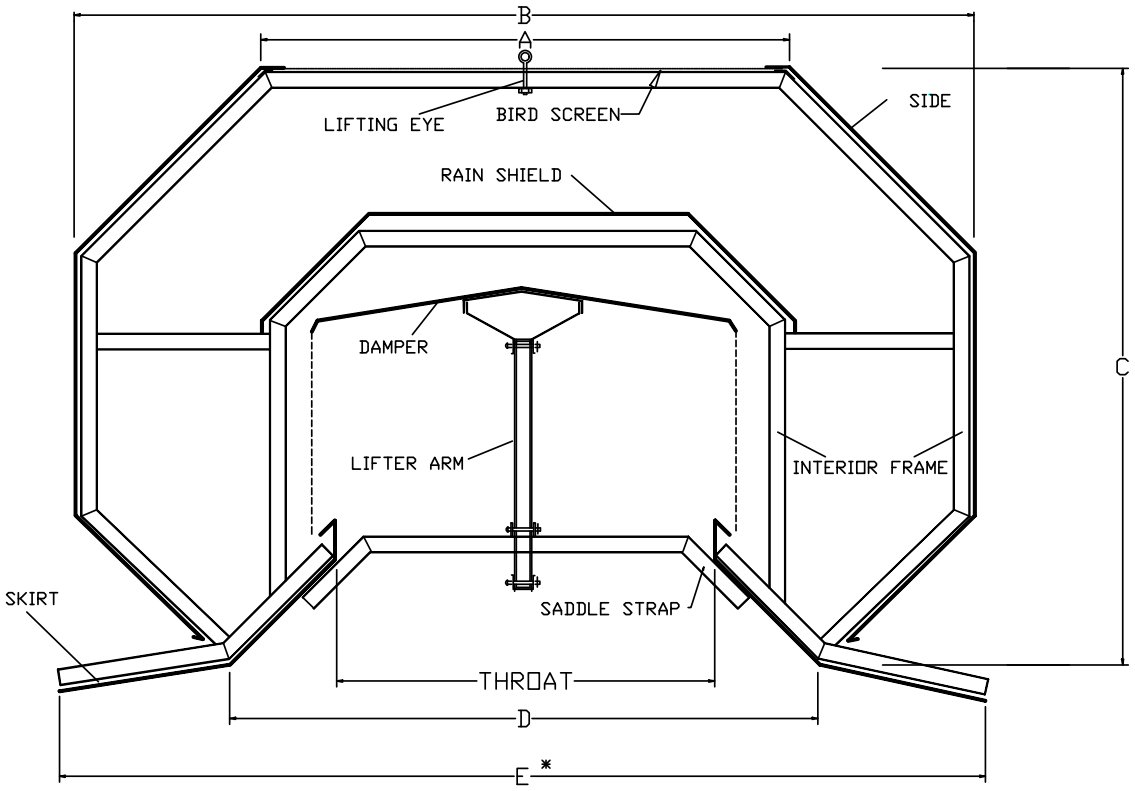
15" TO 48" THROAT WELDED FRAME RIDGE VENTILATORS

NOTE: Interior frame made of 1/8" x 1-1/2" x 1-1/2" angle pre-galvanized. All other parts made of 24 gauge sheet metal, galvalume, polar white or painted color.



THROAT	A	B	C	D	E*	WEIGHT (Not Crated)	DESIGN PRESSURE
15"	22-5/8"	38-31/32"	26-1/2"	25-1/8"	41-3/16"	275 lbs.	-97.1 psf
18"	25-7/16"	44"	30-5/16"	29-1/8"	47-3/16"	300 lbs.	-88.2 psf
24"	33-1/4"	57"	38-3/16"	37-3/8"	59-3/8"	400 lbs.	-70.4 psf
30"	38-9/16"	67-1/2"	45-3/8"	46-5/8"	69-5/8"	450 lbs.	-52.5 psf
36"	47-9/16"	81-1/4"	53-13/16"	55-1/2"	83-3/4"	500 lbs.	-34.7 psf
42" **	56"	94-1/8"	61-1/8"	62-1/8"	95-1/2"	575 lbs.	N/A
48" **	67-3/8"	106-1/8"	65-7/8"	67-5/8"	107-7/8"	650 lbs.	N/A

Dimensions are of vent frames only and do NOT include thickness of sheet metal.
** Listed dimensions are based on a 1:12 roof pitch.*
*** Must ship unassembled (knockdown.)*
Roof panels must extend to "D" dimension for proper support and drainage.

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TABLE OF CAPACITIES FOR CONTINUOUS VENTILATORS

CAPACITY:
To determine capacity per unit, multiply "Base Rating" by "Temperature-Height Factor": CFM = Base x Temperature-Height Factor

Based on fresh air intake area 1-1/2 times ventilator throat area. Assumes 5 mph wind speed.

BASE RATINGS	
THROAT SIZE	C.F.M.
4"	1200
9"	2700
12"	3600
15"	4500
18"	5400
24"	7200
30"	9000
36"	10800
42"	12600
48"	14400

TEMPERATURE-HEIGHT FACTORS									
HEIGHT	TEMPERATURE DIFFERENCE								
	5°	10°	15°	20°	25°	30°	35°	40°	45°
10'	.37	.49	.58	.64	.70	.76	.81	.86	.95
15'	.42	.60	.71	.80	.86	.92	.99	1.05	1.09
20'	.53	.70	.81	.92	.99	1.07	1.14	1.22	1.26
25'	.58	.77	.89	1.00	1.08	1.18	1.25	1.33	1.36
30'	.63	.83	.97	1.08	1.17	1.28	1.36	1.45	1.50
35'	.66	.87	1.02	1.14	1.24	1.35	1.44	1.51	1.58
40'	.70	.93	1.08	1.22	1.30	1.41	1.50	1.61	1.68
45'	.74	.96	1.12	1.28	1.38	1.48	1.59	1.68	1.75
50'	.77	1.01	1.18	1.33	1.44	1.56	1.67	1.75	1.83
55'	.80	1.06	1.23	1.39	1.50	1.64	1.72	1.83	1.92
60'	.83	1.09	1.28	1.44	1.55	1.69	1.79	1.90	2.00
65'	.85	1.12	1.32	1.48	1.61	1.74	1.85	1.97	2.06
70'	.88	1.17	1.36	1.53	1.67	1.79	1.89	2.02	2.11
75'	.90	1.19	1.39	1.57	1.69	1.83	1.96	2.06	2.17
80'	.93	1.22	1.42	1.61	1.72	1.86	2.00	2.11	2.20

Height = Vertical rise from inlets near floor to ventilator
Temperature = Estimated temperature difference between middle of air intake near the floor and ventilator with dampers open

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CONTINUOUS RIDGE VENTILATOR OPERATORS

OPERATOR A – HAND PULL

40' Cable

(2) Cable Clamps

(1) Chain Catch

(2) Pulleys with Eyebolts

OPERATOR C – LEVER

(Operates up to 6–9" vents or 4–12" vents)

40' Cable

(2) Pulleys with Eyebolts

(2) Cable Clamps

(1) Eyebolt (not welded) with Nuts

(1) Lever Handle with Mounting Hardware

(1) Installation Instructions

OPERATOR D – BOATWINCH

(Operates up to 8–9" vents, 6–12" vents, 4–24" vents or 3–36" vents)

60' Cable

(2) Pulleys with Eyebolts

(1) Boatwinch

(1) Cable Catch

(2) Eyebolts (not welded) with Nuts

(2) Cable Clamps

(1) Mounting Hardware

(1) Installation Instructions

OPERATION EXTENSION

50' Cable

(2) Cable Clamps

(2) Eyebolts (not welded) with Nuts

DUFF NORTON OPERATOR

(Operates up to 10–9" vents or 7–12" vents)

Duff Norton Motor

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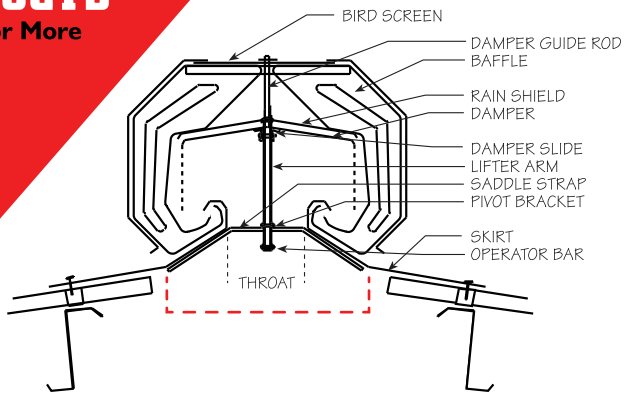
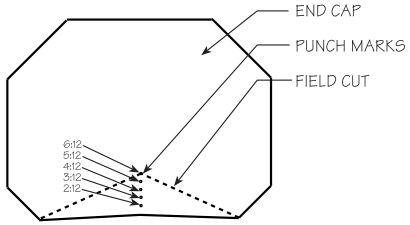
FLAT SKIRT INSTALLATION DETAILS

CONTINUOUS RIDGE VENT

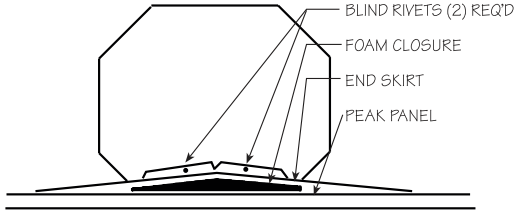


Note: *Roof panels must extend to width of vent as shown in red above to ensure adequate support and drainage. See spec sheet for details.*



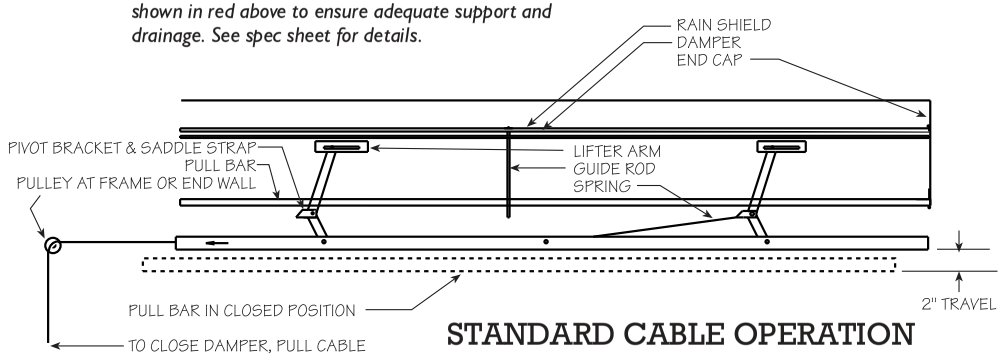
END CAP DETAIL

Note: *Dotted line indicates field cut for 6:12 roof slope. Other slopes as noted.*

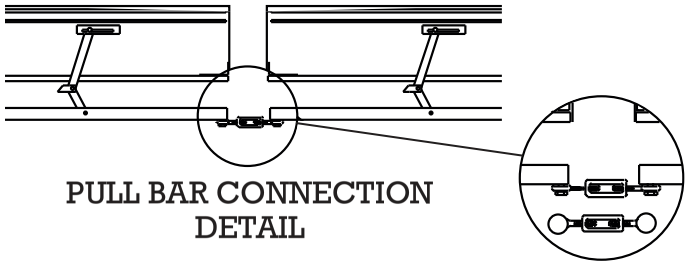


ROOF PITCH LESS THAN 1:12 INSTALLATION

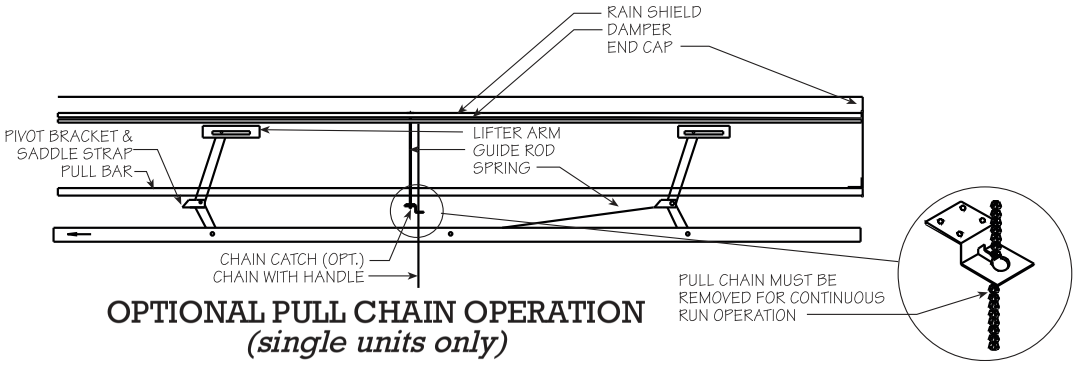
Installed end skirt for 1:12 roof slope and foam closure with tape sealer top and bottom.



STANDARD CABLE OPERATION



PULL BAR CONNECTION DETAIL



OPTIONAL PULL CHAIN OPERATION
(single units only)

NEED SOME HELP?
Watch Our Installation Video

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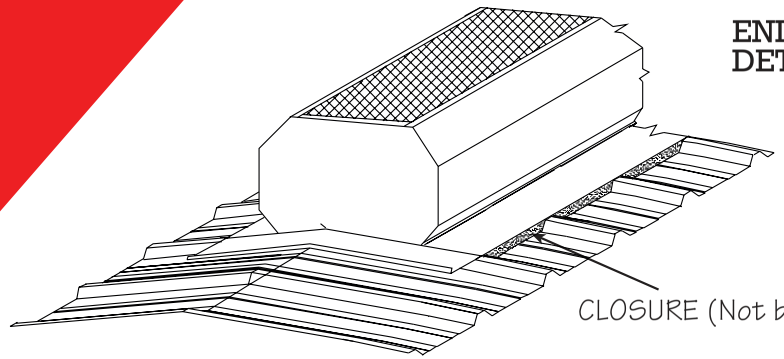
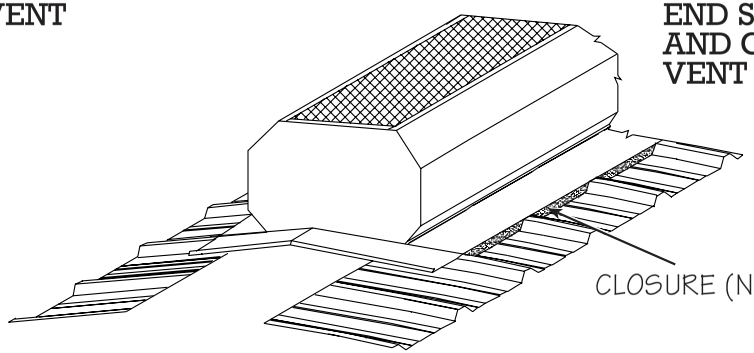
FLAT SKIRT APPLICATION

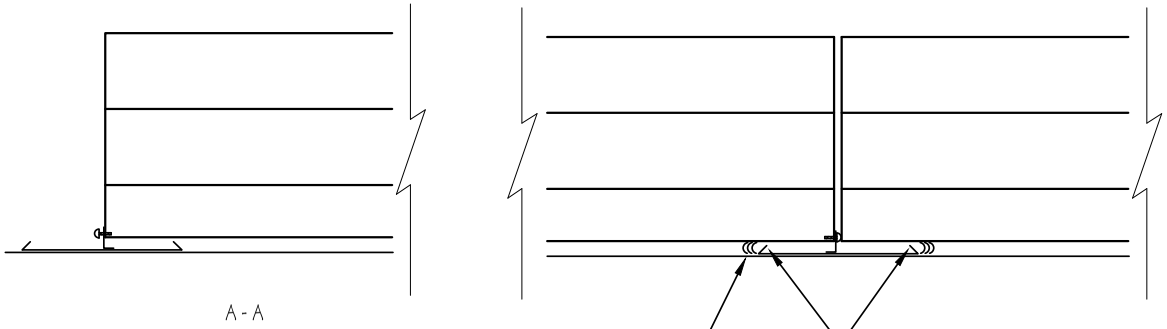
CONTINUOUS RIDGE VENT

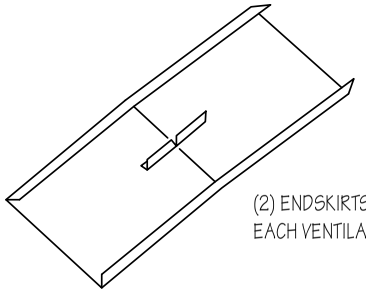
END OF VENT DETAIL

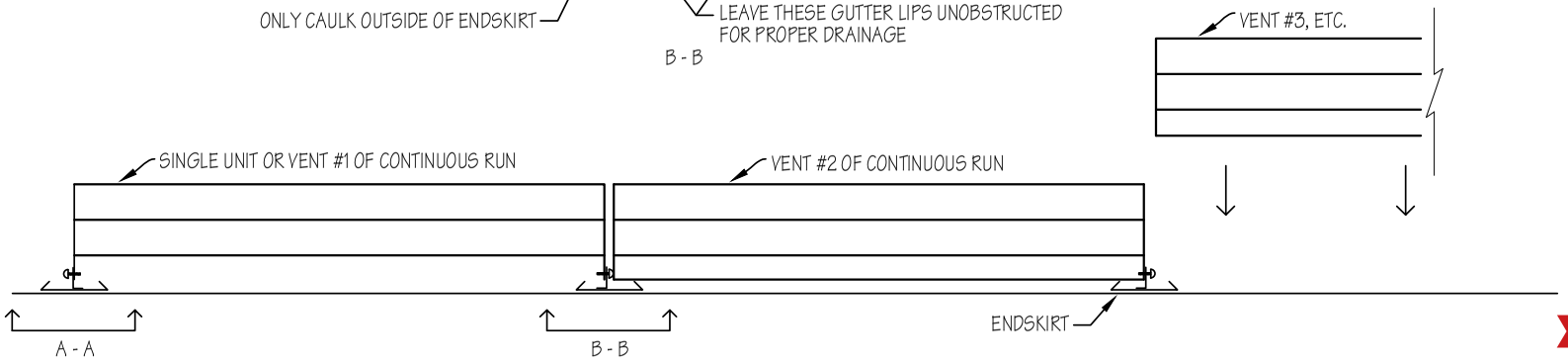


END SKIRT DETAIL AND CONTINUOUS VENT SPLICE









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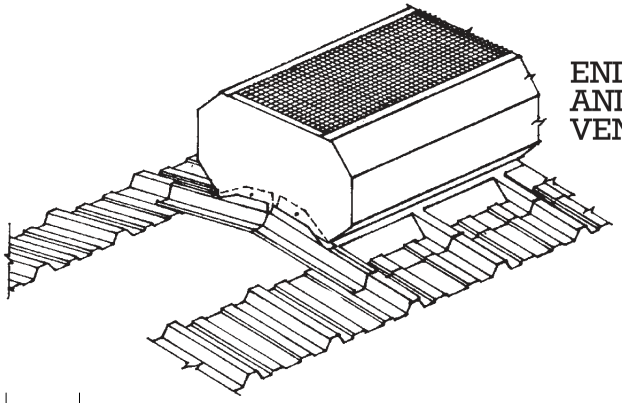
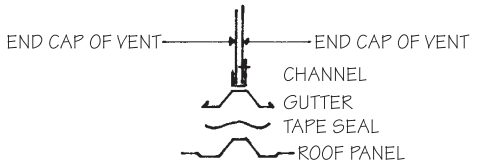
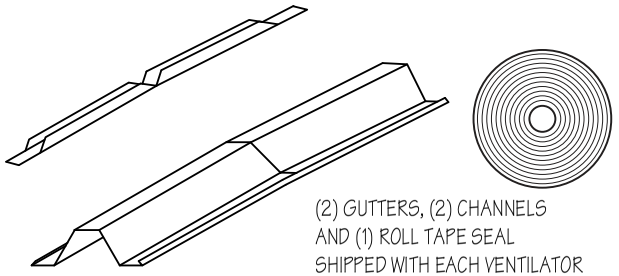
DIE FORMED SKIRT APPLICATION *VFSS-1*

CONTINUOUS RIDGE VENT

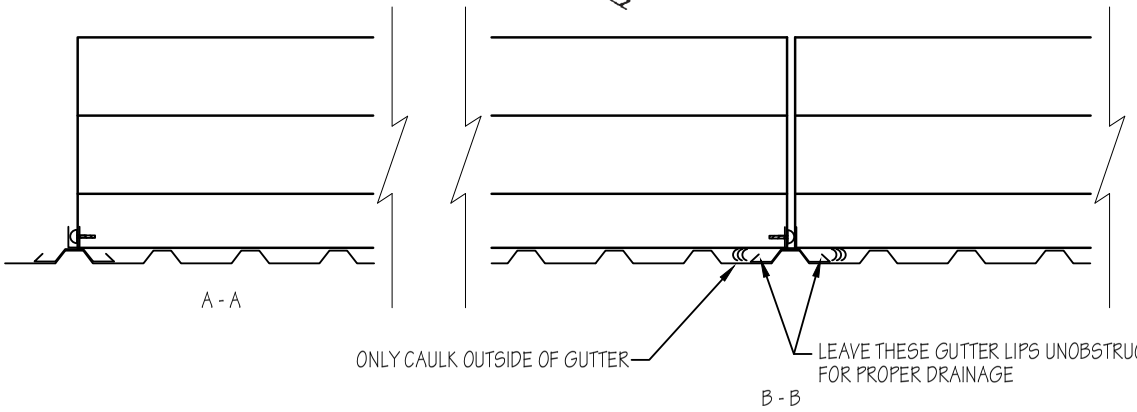


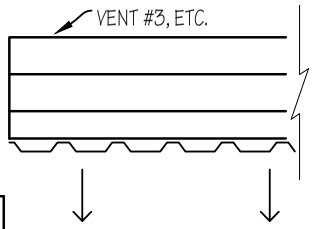
END OF VENT DETAIL
AND CONTINUOUS
VENT SPLICE

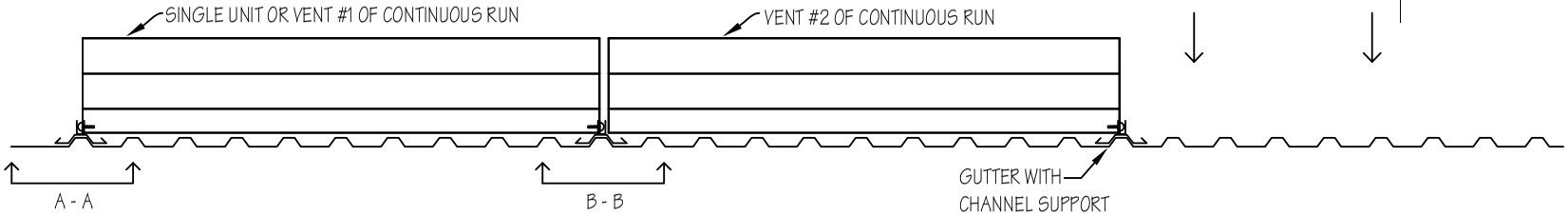




(2) GUTTERS, (2) CHANNELS
AND (1) ROLL TAPE SEAL
SHIPPED WITH EACH VENTILATOR







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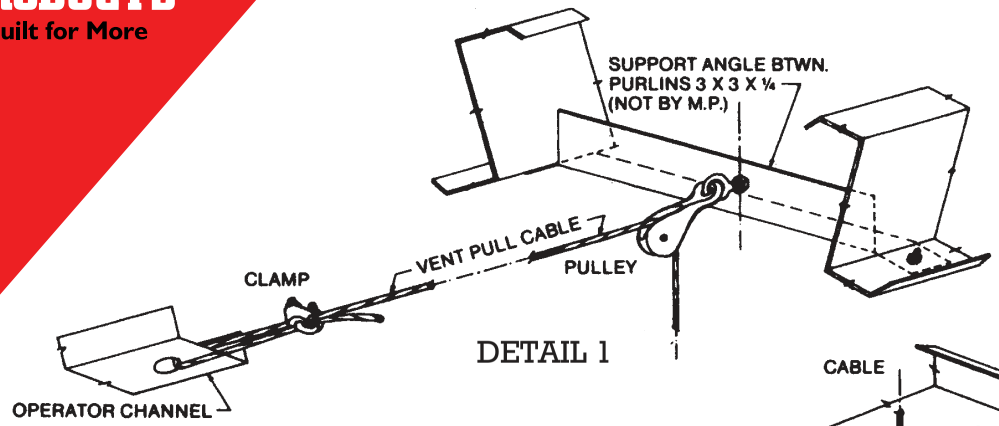
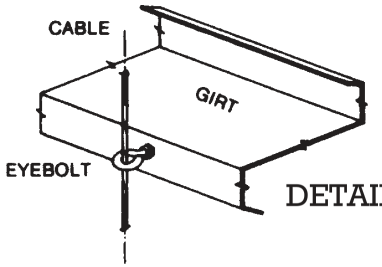
END WALL INSTALLATION DETAILS

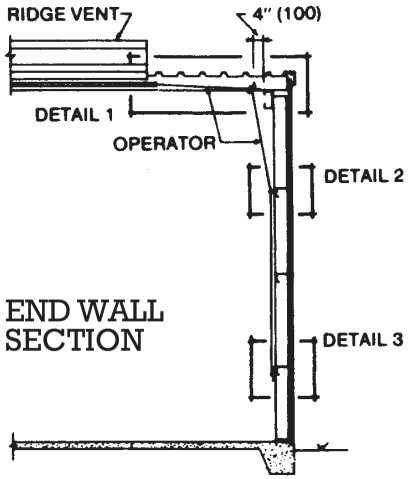
CONTINUOUS RIDGE VENT

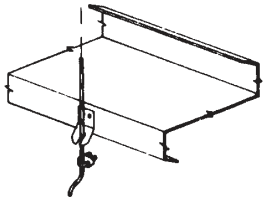


DETAIL 1

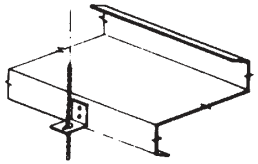


DETAIL 2

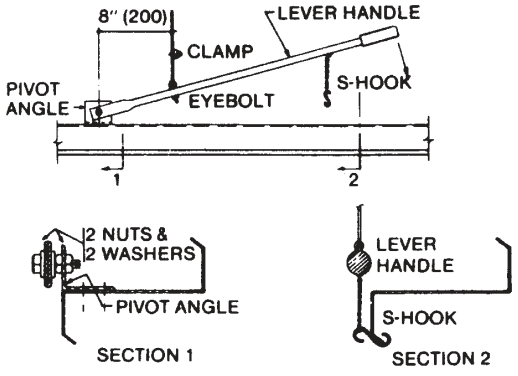




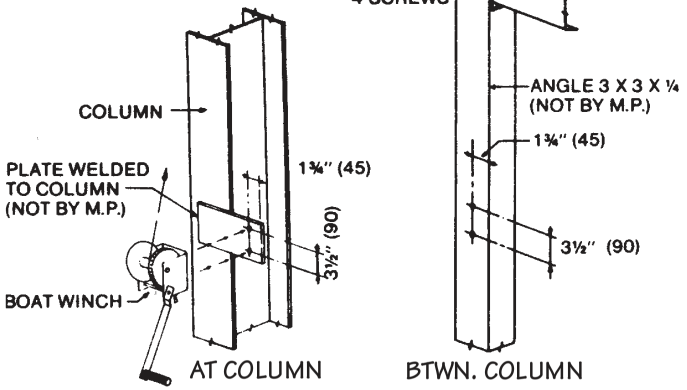
DETAIL 3 – Type A



DETAIL 3 – Type B



DETAIL 3 – Type C



DETAIL 3 – Type D

Operator A: 3/16" Uncoated Aircraft Cable with Cable Keeper 3 units max.
Operator B: No. 35 Zinc Coated Sash Chain with Chain Keeper 3 units max.

Operator C: Hand Lever Type 6 units max.
Operator D: Boat Winch Type 12 units max.

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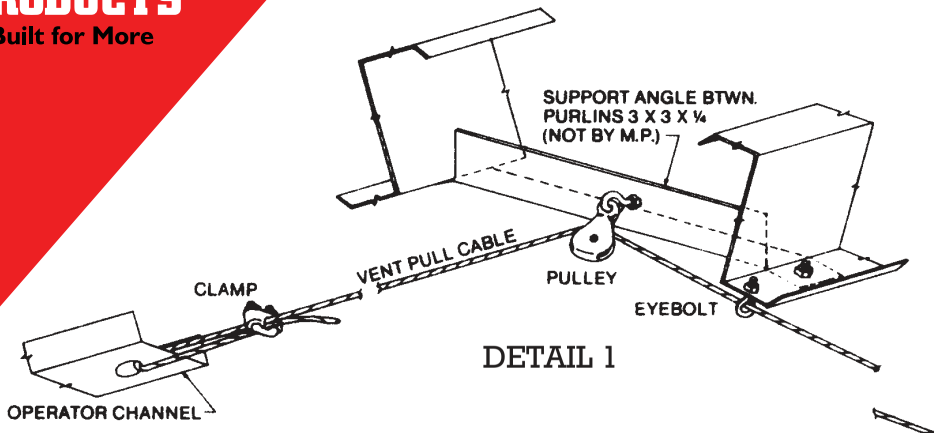
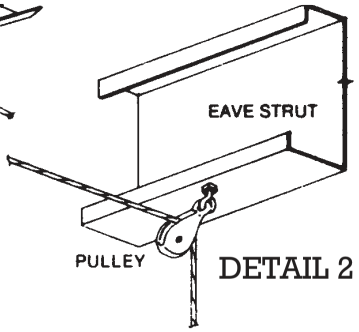
SIDE WALL INSTALLATION DETAILS

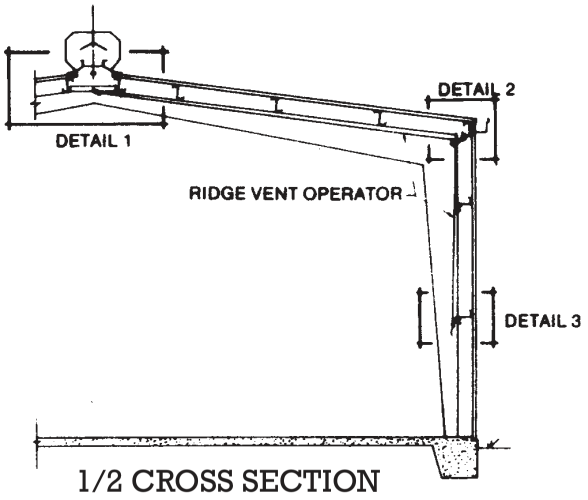
CONTINUOUS RIDGE VENT



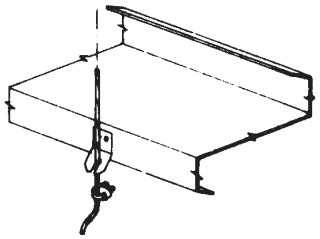
DETAIL 1



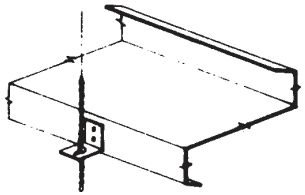
DETAIL 2



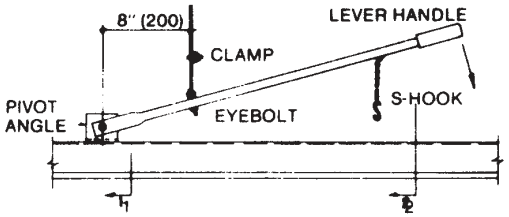
1/2 CROSS SECTION



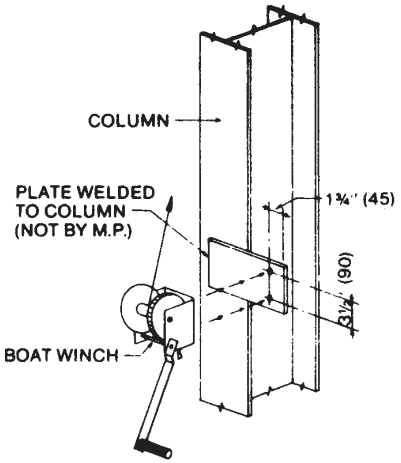
DETAIL 3 – Type A



DETAIL 3 – Type B



DETAIL 3 – Type C



DETAIL 3 – Type D

Operator A: 3/16" Uncoated Aircraft Cable with Cable Keeper 2 units max.
Operator B: No. 35 Zinc Coated Sash Chain with Chain Keeper 2 units max.
Operator C: Hand Lever Type 5 units max.
Operator D: Boat Winch Type 10 units max.

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LOW PROFILE RIDGE VENTILATOR

Metallic Products' low profile ridge vents are aesthetically pleasing and an extremely efficient means of ventilating metal roofs. Each unit is manufactured in 10' lengths and can be installed as a single unit or butted together to form a continuous run. (End caps and splice kits shipped loose for field installation.) In continuous run applications, the splice kits provide the appearance of a single unit.

TDI APPROVED

ALSO AVAILABLE

Metallic Products' low profile ridge ventilators are also available in Florida Product Approved and Miami-Dade HVHZ Approved specifications.

SPECIFICATIONS

STANDARD SIZE

Each 10' unit features 200 square inches of free area with a base rating of 611 CFM of air movement. Units in lengths less than 10' can be manufactured upon request. Throat size is determined by roof pitch

DESIGN

Aerodynamic, low-profile design enhances the look and performance of architectural roof systems. The unit moves toward the ridge on floating roofs. Vents are made to match roof slope to maintain low-profile appearance.

CONSTRUCTION

Unit is factory assembled and ready for installation. Vent features the Cor-A-Vent,® a time-tested, economical, self-cleaning and durable ventilation core. All steel parts are 24-gauge.

FINISH

Galvalume or Polar White finish is standard, and other colors are available, including Kynar.®

NOTE

Please specify flat or die formed skirts, roof pitch and color when ordering.

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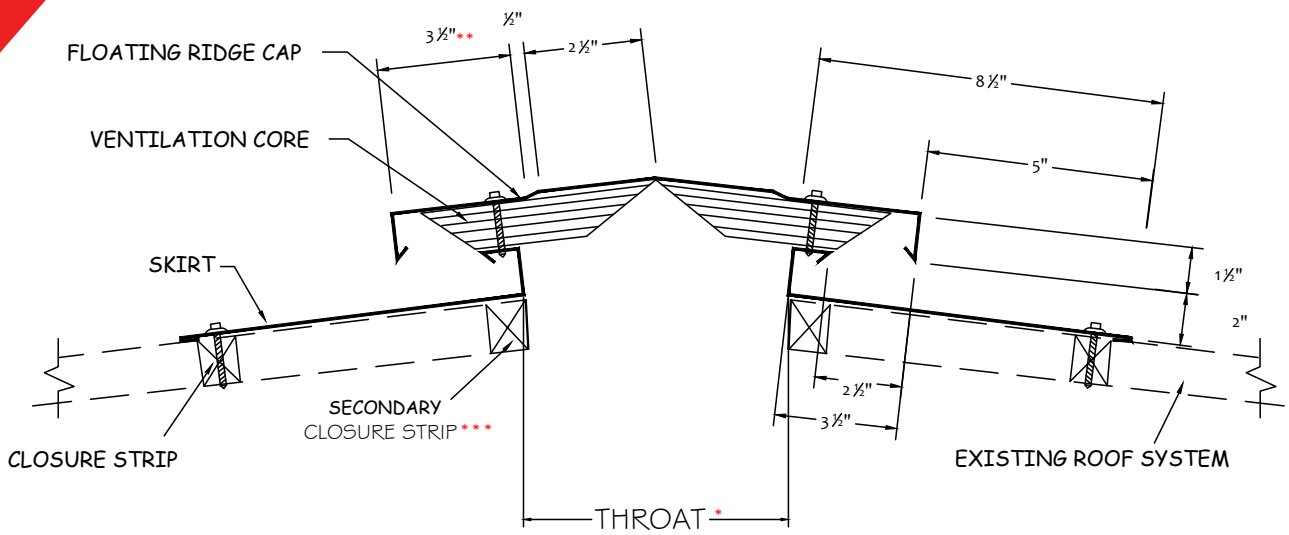
TECHNICAL SPECIFICATIONS



THROAT SIZE

(Determined by Roof Pitch)

PITCH	THROAT SIZE
1:12	4-1/8"
2:12	4-1/8"
3:12	4-1/8"
4:12	4-1/8"
5:12	3-1/2"
6:12	2-7/8"
7:12	4-5/8"
8:12	4-1/8"
9:12	3-1/2"
10:12	3"
11:12	2-9/16"
12:12	2"

NOTE

Roof panel must extend to throat of vent for proper support and drainage. End caps and splice kits (if necessary) are shipped loose for field installation.

* *Throat varies with roof slope. (See table)*

** *This dimension changes to 5" on roof slopes 7:12 – 12:12.*

*** *Secondary closure at ridge is recommended at each skirt splice in a continuous run.*

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TECHNICAL SPECIFICATIONS

TABLE A
Air Movement Per Lineal Foot Factors

HEIGHT (ft.)	TEMPERATURE DIFFERENCE					
	5°	10°	15°	20°	25°	30°
10'	16.65 A	22.05 A	26.10 A	28.80 A	31.50 A	34.20 A
15'	18.90 A	27.00 A	31.95 A	36.00 A	38.70 A	41.40 A
20'	23.85 A	31.50 A	36.45 A	41.40 A	44.50 B	48.15 B
25'	26.10 A	34.65 A	40.05 A	45.00 B	48.60 B	53.10 C
30'	28.35 A	37.35 A	43.65 B	48.60 B	52.65 C	57.60 C
35'	29.70 A	39.15 B	45.90 B	51.30 B	55.80 C	60.75 C
40'	31.50 B	41.85 B	48.60 B	54.90 C	58.50 C	63.45 C
45'	33.30 B	43.20 B	50.40 B	57.60 C	62.10 C	66.60 C
50'	34.65 B	45.45 B	53.10 C	59.85 C	64.80 C	70.20 D

TABLE B
Wind Velocity Factors

WIND (mph)	FACTORS			
	A	B	C	D
3	1.14	1.09	1.05	1.02
5	1.25	1.18	1.13	1.09
7	1.41	1.29	1.22	1.16
9	1.62	1.43	1.33	1.25
11	1.82	1.57	1.43	1.32

TOTAL CFM= (Table A) x (Table B) x Length

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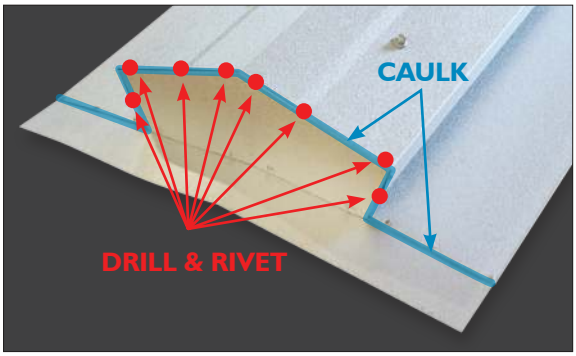
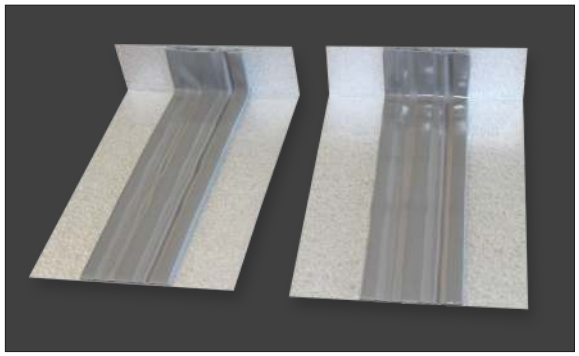
INSTALLATION INSTRUCTIONS

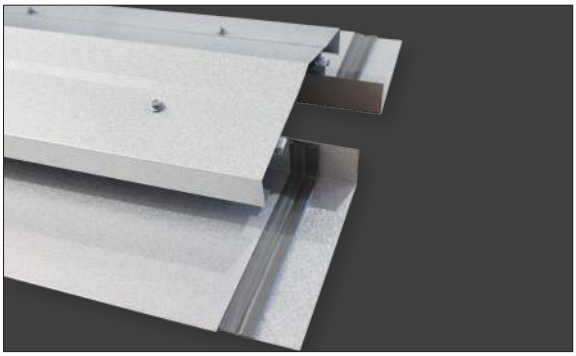
LOW PROFILE RIDGE VENTILATOR (Flat Skirt)



STEP 1: For continuous runs, install end cap to vent on each end of the run. Drill 9/64" holes. Insert end cap and rivet (rivets provided). Then, continue through steps 2–6. (If single unit, vent is ready to attach to the roof once end caps are installed on both ends.)

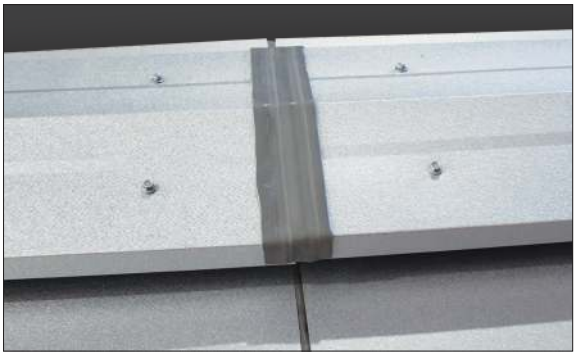


STEP 2: Firmly press tape seal on skirt splices as shown.

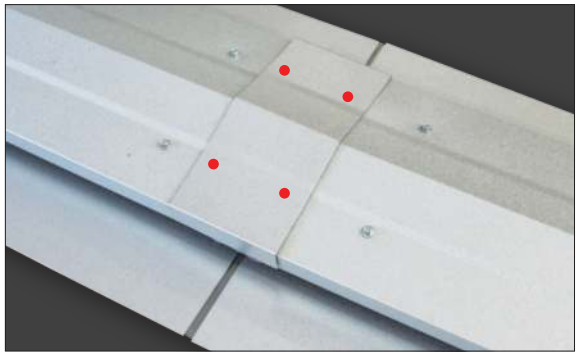


STEP 3: Place skirt splices on one end of vent.

STEP 4: Butt second vent to first vent, ensuring skirt is firmly pressed on tape seal. Then, attach vent to roof (not pictured.)



STEP 5: Place tape seal over the two top hoods as shown.



STEP 6: Place top hood splice over tape seal and attach with screws, as indicated by dots. (Screws should be placed along same line as hood screws. Do not place screws along seam between each vent.)

SCAN TO SEE
ASSEMBLY VIDEO

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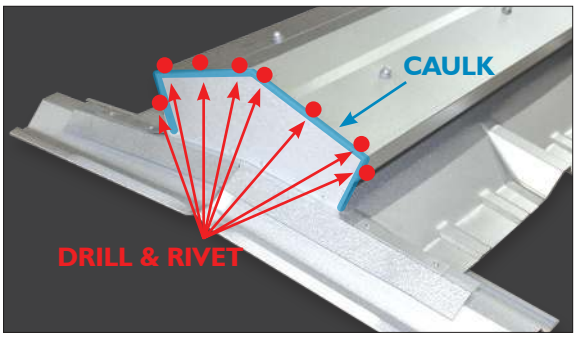
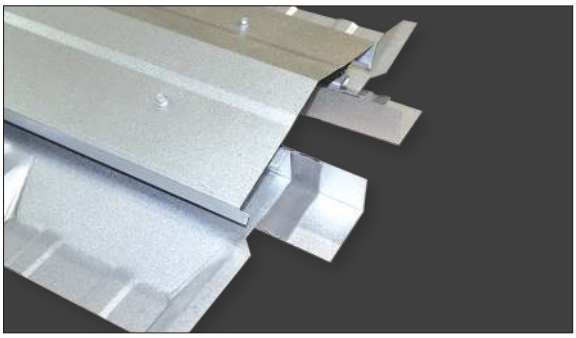
INSTALLATION INSTRUCTIONS

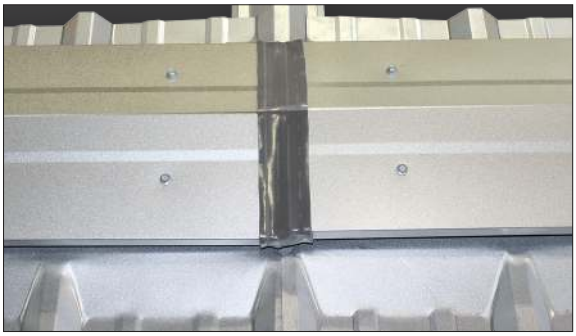
LOW PROFILE RIDGE VENTILATOR (Die Formed Skirt)



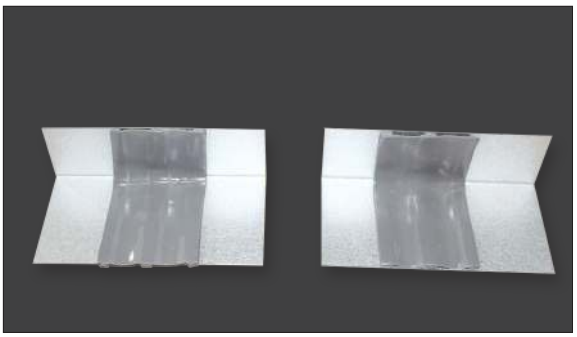
STEP 1: For continuous runs, install end cap to vent on each end of the run. Drill 9/64" holes. Insert end cap and rivet (rivets provided). Then, continue through steps 2 – 6. (If single unit, vent is ready to attach to the roof with included end skirts installed under each end cap.)



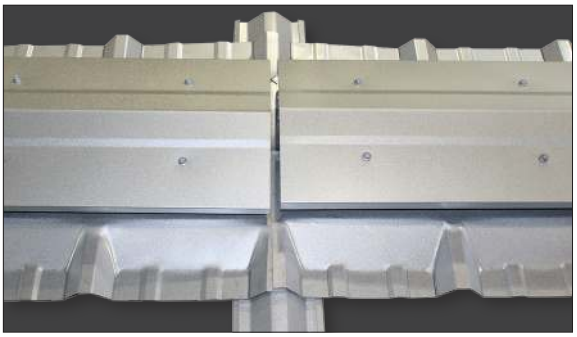
STEP 3: Place skirt splices on one end of vent. Then place end skirt underneath skirt splices before placing the assembly over roof rib panel.



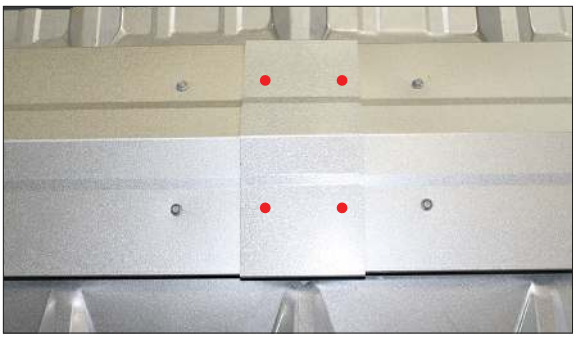
STEP 5: Place tape seal over the two top hoods as shown.



STEP 2: Firmly press tape seal on skirt splices as shown.



STEP 4: Butt second vent to first vent, ensuring vent skirts line up on center line of the end skirt rib. Be sure to attach included tape seal between roof panel and vent skirt to ensure a water-tight seal prior to screwing the vents down to the roof. The vents are ready to attach to the roof at this point. (Not pictured.)



STEP 6: Place top hood splice over tape seal and attach with screws, as indicated by dots. (Screws should be placed along the same line as hood screws. Do not place screws along seam between each vent.)

SCAN TO SEE
ASSEMBLY VIDEO

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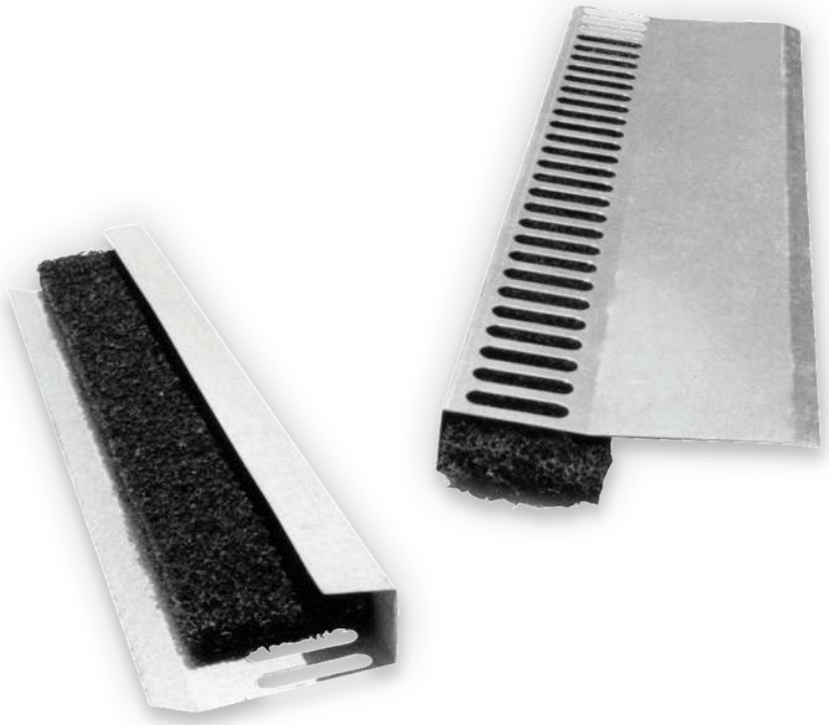

PREVENT VENTILATOR

Encourage healthy indoor environments for your metal buildings with Metallic Products' prevent ventilators. This leak-proof and snow-proof option adapts to a wide range of roofing systems and provides energy-efficient, maintenance-free ventilation.

SPECIFICATIONS

STANDARD SIZE

Standard 10' sections. PreVent can be installed as a single unit or butted together to form a continuous run.

CONSTRUCTION

Made of 16-gauge galvanized or 24-gauge Galvalume. Features Cobra® Ridge Vent material — a maintenance-free, lightweight, polyester composite product that will not dent, crack or rust.

DESIGN

Designed to work in conjunction with standard closures and ridge caps. Designed for eave or ridge venting and can be custom formed to fit. Features a series of die cut slots along the entire length, allowing 14 square inches of free area per linear foot.

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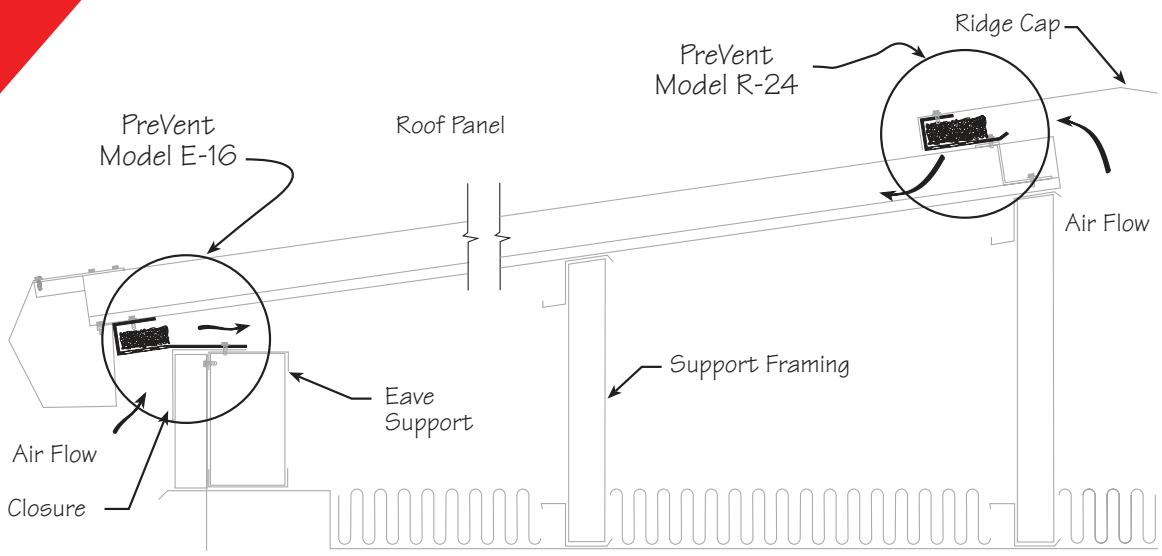
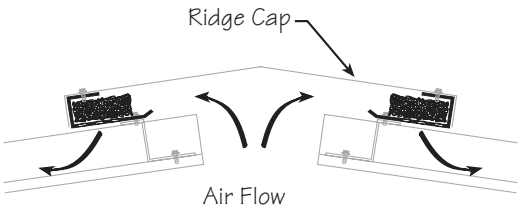
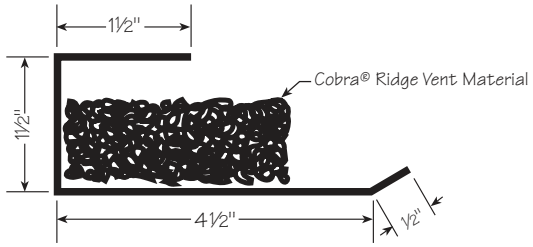
TECHNICAL SPECIFICATIONS



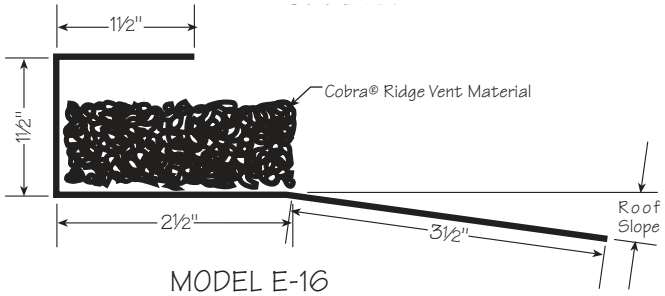
RETRO FIT ROOF APPLICATION
Ridge and Eave Vents



ARCHITECTURAL RIDGE DETAIL



MODEL R-24



MODEL E-16

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LONE STAR VENT

Metallic Products' Lone Star vent is a cost-effective and extremely efficient means of ventilating metal buildings. Ideal for sheds, barndominiums or light industrial uses, this lighter gauge vent keeps cost-cutting measures in mind while also offering the high quality you've come to expect from Metallic Products.

Each Lone Star vent unit is manufactured in 10' lengths and can be installed as a single unit or butted together to form a continuous run.

METALLIC PRODUCTS LONE STAR LINE

Metallic Products' Lone Star Line offers quality engineered ventilation products made to fit your needs and your budget, emphasizing both simplicity and functionality.

Watch Our Video to Learn More About the Lone Star Vent

SPECIFICATIONS

STANDARD SIZE

Each vent comes in a standard 10' length with 9" throat. Flat skirt available only. Unit features 148 square inches of free area with a base rating of 450 CFM of air movement.* Comes in a standard pitch of 1:12, but can be field cut up to a 4:12.

DESIGN

Aerodynamic design enhances the look and performance of architectural roof systems. The unit moves toward the ridge on floating roofs. Vents are made to match roof slope to blend into surroundings.

CONSTRUCTION

Steel parts are 26-gauge Galvalume with 16-gauge galvanized baffles. Unit has no internal damper and features a high net free area. Default units come unassembled, but assembled options are available upon request.

FINISH

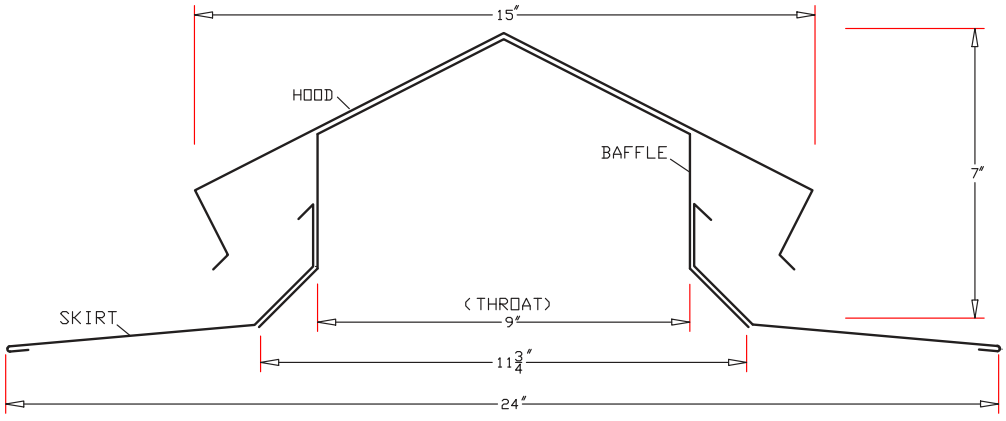
Available in Galvalume or Polar White.

NOTE

Roof panel must extend to throat of vent for proper support and drainage.

**Assumes 5 mph wind speed.*

TECHNICAL SPECIFICATIONS



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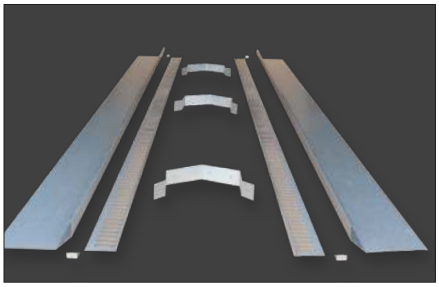
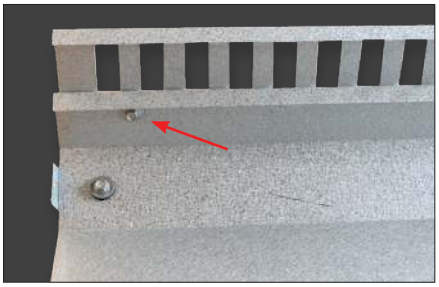
ASSEMBLY & INSTALLATION INSTRUCTIONS

LONE STAR VENT

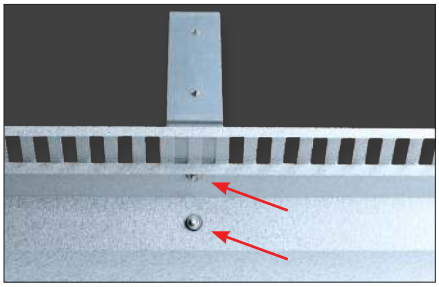


STEP 1: Pre-assembly: Lay out components as shown.

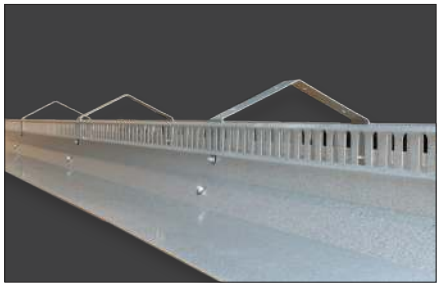
STEP 2: Attach angle to skirt with (1) screw on each end.



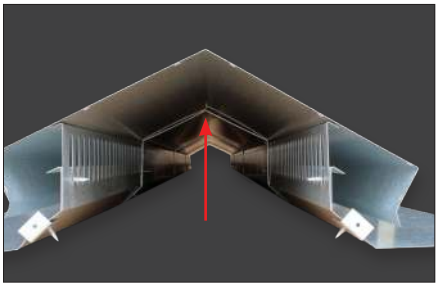
STEP 3: Align screen pre-punched holes on either end of skirt and use (1) screw to attach.



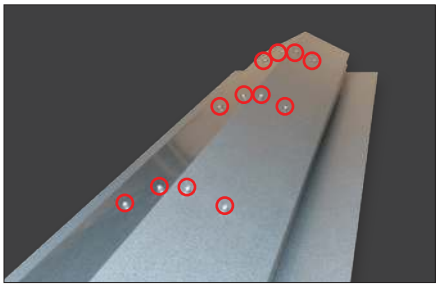
STEP 4: Line up all (3) baffles to the (2) pre-punched holes and use (2) screws to attach.



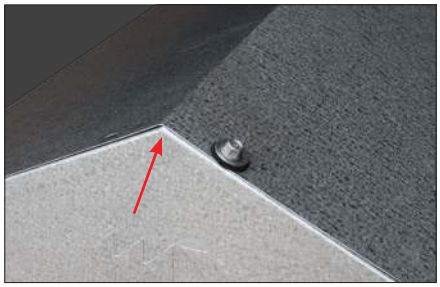
STEP 5: Repeat steps 3 & 4 on other skirt.



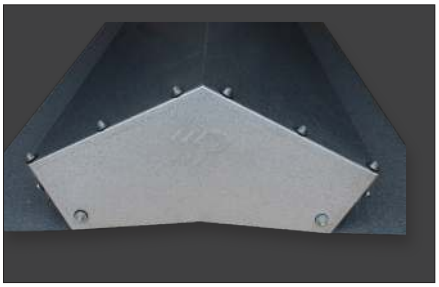
STEP 6: Place top over baffles, making sure to align the peak and align pre-punched holes.



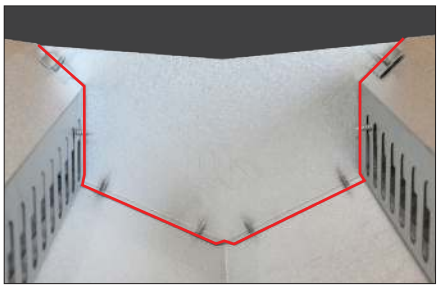
STEP 7: Using (4) screws, attach top to pre-punched holes in baffles. Repeat for the remaining (2) baffles.



STEP 8: Slide end cap into place, making sure pre-punched holes and top break align. Using (1) screw, attach the end cap to hold into proper position. Repeat on opposite end of vent.



STEP 9: Use remaining screws to attach end cap using the pre-punched holes. Repeat on opposite end of the vent.



STEP 10: Apply caulking as shown on both ends and install.

STEP 11: When installing, place end of vent on provided end skirt and center with peak. Fasten* to end cap and repeat on opposite end.

Scan to View Instructions Online

**fasteners not provided*

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ROUND GRAVITY VENTILATOR

Don't settle for bad airflow. Outsmart stagnant air with round gravity roof ventilators. This versatile product is designed for economic, low volume air movement to ventilate warehouses, light industrial buildings, attics, lofts and other buildings requiring gravity or relief ventilation. The volume of gravity air movement can be controlled by the adjustable damper.

SPECIFICATIONS

STANDARD SIZE
Standard round gravity ventilators are available in 12", 20", and 24" diameter throat sizes.

INTEGRAL DAMPERS
The damper is supported in the open position by four strong springs and is closed by a 5' long pull chain. Longer lengths available upon request. Damper may be locked in any position.

CONSTRUCTION
26-gauge inner and outer bands, rain shield and base are assembled with four preformed baffles into a simple yet sturdy ventilating unit. This design achieves a free, unobstructed flow of ventilated air.

BIRD SCREEN
Assembly is completed by the installation of a 4 x 4 bird screen in the opening between the inner band and the rain shield to resist the entry of birds into the vent area.

FINISH
Galvalume or Polar White finish is standard, and other colors are available, including Kynar.®

BASE DESIGN
The base is specifically designed for final installation with a specified roof slope: Ridge or single slope, and flat or mounted into specified roof panel. Base and ventilating unit are furnished preassembled, ready for installation. Single slope bases are mounted directly into roof panel and are placed in such a way as to prevent damming.

NOTE
When ordering, please specify roof slope, base type, damper pull chain and paint color.

BASE TYPES

TYPE 1

TYPE 2

TYPE 3

TYPE 4

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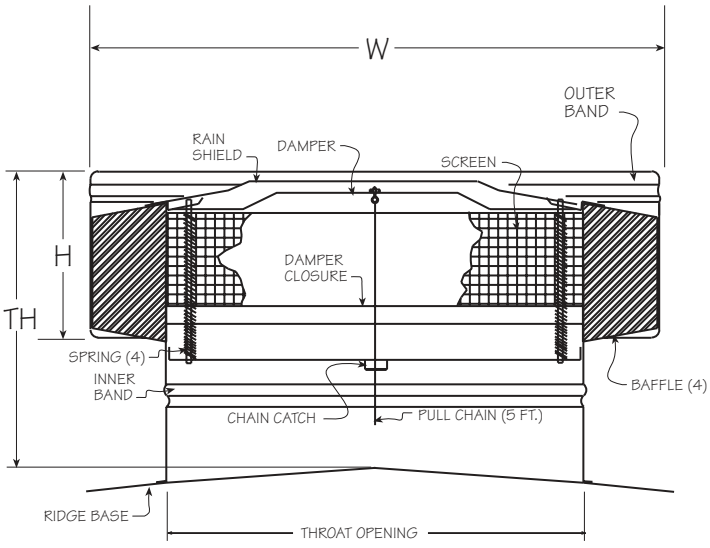
DIMENSIONS & SHIPPING WEIGHT

THROAT*	W	H	TH	SHIPPING WEIGHT (lbs.)
12"	18"	7-1/2"	14-1/2"	90
20"	30"	10"	17-1/2"	110
24"	36"	12"	23-1/2"	120

**Other throat sizes available upon request.*

TECHNICAL SPECIFICATIONS



12", 20", and 24" Throat Ventilators

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TABLE OF CAPACITIES FOR ROUND VENTILATORS

CAPACITY:
Determine the height of vent above the air intakes and the "temperature difference" between inlet air temperature and outlet air temperature with these two constants. Find the "factor" from Table A. Then, multiply base rate CFM from Table C by the factor from Table A. The result is approximate vent capacity at 0 mph outside wind velocity. Beside the factor in Table A is the letter A, B, C or D. This letter refers to a factor in Table B. Multiply vent capacity for 0 mph wind by the appropriate factor from Table B for vent capacity under the given wind condition.

TABLE A

TEMPERATURE-HEIGHT FACTORS							
HEIGHT	TEMPERATURE DIFFERENCE						
	15°	20°	25°	30°	35°	40°	50°
15'	.64A	.78A	.84A	.90B	.96B	1.02B	1.10C
20'	.76A	.86A	.93B	1.00B	1.07B	1.13C	1.22C
25'	.84A	.95B	1.02B	1.10C	1.18C	1.25C	1.34C
30'	.91B	1.03B	1.12C	1.20C	1.29C	1.36C	1.47D
35'	.97B	1.09B	1.18C	1.27C	1.36C	1.430	1.55D
40'	1.02B	1.15C	1.25C	1.34C	1.430	1.52D	1.64D
45'	1.07B	1.20C	1.30C	1.40C	1.50D	1.58D	1.71D
50'	1.11C	1.26C	1.36C	1.46D	1.56D	1.65D	1.78D

TABLE B

WIND VELOCITY FACTORS				
WIND MPH	FACTORS			
	A	B	C	D
3	1.14	1.09	1.05	1.02
5	1.25	1.18	1.13	1.09
7	1.41	1.29	1.22	1.16
9	1.62	1.43	1.33	1.25
11	1.82	1.57	1.43	1.32

TABLE C

BASE RATINGS PER UNIT	
SIZE	CFM
12"	256
20"	712
24"	1026

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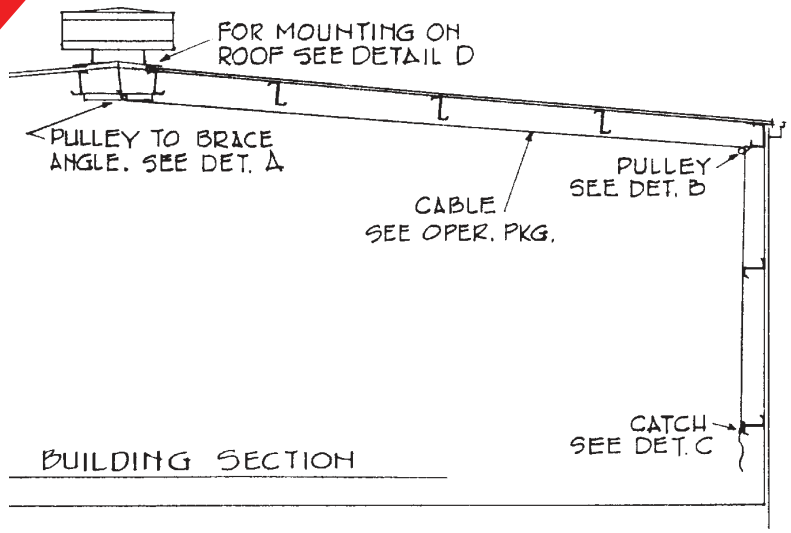
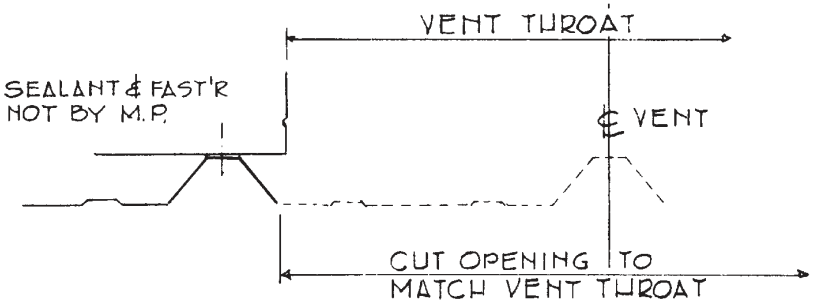
INSTALLATION DETAILS

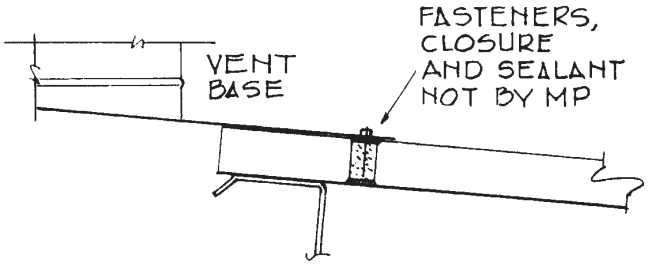
ROUND GRAVITY VENT



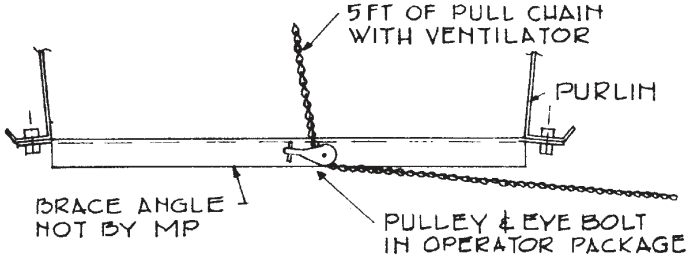
BUILDING SECTION



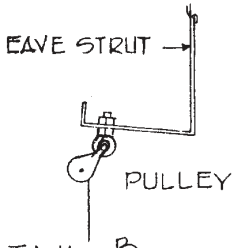
SECTION ALONG RIDGE



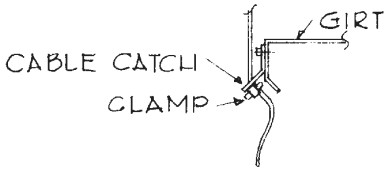
DETAIL D



DETAIL A



DETAIL B



DETAIL C

WALL OPERATOR PACKAGE

40' Cable
2 Pulleys
1 Cable Catch
2 Cable Clamps

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TURBINE VENTILATOR

Don't settle for bad airflow. Outsmart stagnant air with the turbine ventilator. Turbine vents are a compact, aesthetically pleasing and extremely efficient means of ventilation. This vent is assisted by wind for optimal airflow.

SPECIFICATIONS

STANDARD SIZE

The turbine ventilator comes standard in a 12", 14", 16", 18", 20" or 24" throat size. Other sizes available upon request.

CONSTRUCTION

Turbine ventilators are constructed of galvanized steel with bronze, oil-impregnated top bearings and bottom thrust-type bearings. All standard-size turbines are externally braced for high winds and provide noise-free operation.

DAMPERS

Dampers are available upon request and feature a pull-chain operator.

BASE DESIGN

The base is specifically designed for final installation with a specified roof slope: Ridge or single slope, and flat or mounted into specified roof panel. Base and ventilating unit are furnished preassembled, ready for installation. Single slope bases are mounted directly into roof panel and are placed in such a way as to prevent damming.

NOTE

When ordering, please specify roof slope, base type, damper pull chain and paint color.

BASE TYPES

TYPE 1

TYPE 2

TYPE 3

TYPE 4

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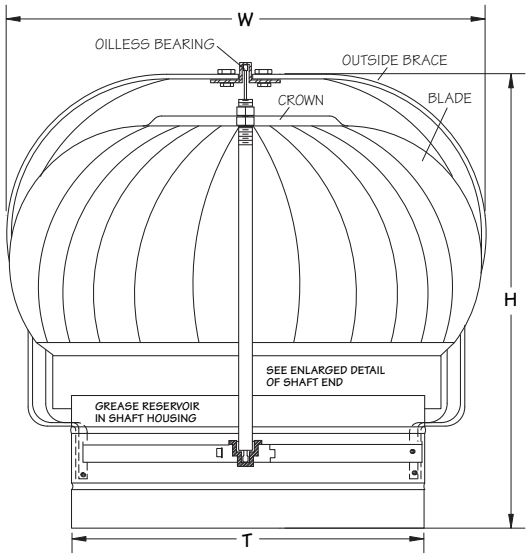
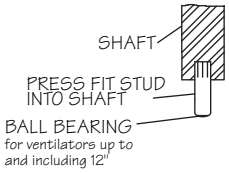
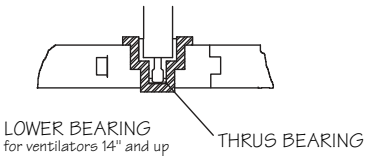
TECHNICAL SPECIFICATIONS







"T" DIMENSIONS	CROWN-GALV. GAUGE	BLADE-GALV. GAUGE	THROAT-GALV. GAUGE
12"	22	28	26
14"	22	26	24
16"	20	26	24
18"	20	26	24
20"	20	26	24
24"	20	26	24

T	H	W	EXHAUST CAP 4MI WIND CFM	SHIPPING WEIGHT (lbs.)
12"	20"	19"	531	21
14"	20 ½"	22"	700	28
16"	23 ¼"	25"	950	35
18"	24 ¼"	27 ½"	1200	36
20"	26"	30"	1700	47
24"	31 ¼"	35"	2350	77

Note: Vents up to 16" have three outside braces. Vents 18" and up have four.

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FIXED AND ADJUSTABLE WALL LOUVERS

Take advantage of fresh air with Metallic Products wall louvers. Specifically designed for pre-engineered metal building wall panels, wall louvers allow air to flow through a wall, while remaining weather resistant. Metallic Products louvers are built for proper air flow in and out of your metal building. Wall louvers are available in both fixed and operable models.

FIXED LOUVERS

Fixed louvers feature 45-degree roll-formed blades, with 4" depth, and riveted to louver frame for security. Fixed louvers have 55% free area.

ADJUSTABLE LOUVERS

Adjustable louvers feature roll-formed blades with plated twin link pivot brackets riveted to blade and connected with 1/4" zinc plated rod. Brass pivot bushings assure smooth, noncorrosive and long-lasting operation. Standard operator is by reinforced cast aluminum hand crank. Louver can be factory or field modified for chain operation when louver is installed where hand crank is not accessible. Motorized operators are also available. Blade edge seals are installed for maximum air sealing. Adjustable louvers have 77% free area when fully opened to a 90-degree angle.

Fixed Blade Louver

Adjustable Louver

ALSO AVAILABLE

Metallic Products' wall louvers are also available in Florida Product Approved specifications.

SPECIFICATIONS

FRAME
18-gauge galvanized steel

BLADES
20-gauge roll-formed galvanized steel

SIZES
Minimum size is 12" x 12"
Custom widths and heights available upon request

FEATURES
Louvers are self-mulling, self-flashing and self-framing. No other trim required. Before painting, louvers are chemically treated. Louvers can be painted to match pre-selected colors by manufacturer. Standard paint is an electrostatically applied powder paint, 3mm thick oven-baked finish.

FOR ADJUSTABLE LOUVERS
After the paint process is completed, an extruded weather stripping is applied to the edge of each blade to ensure virtual air tightness in the closed position.

INSECT SCREEN
Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame

BLADE OPERATORS
Twin link brackets plated steel assembled with double brass pivot and set screw

CONNECTING ROD
1/4" zinc plated steel

OPERATOR
Electric motors available
Standard operator is by a reinforced cast aluminum hand crank

Optional: Chain operator of #35 sash chain.

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TECHNICAL SPECIFICATIONS

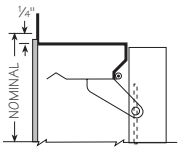
NOTE

Please specify panel type when ordering. The frame has a recessed head to accept the wall panel and side flanges fit specified panel profile. The sill is tapered to provide drainage and exclude moisture. Flat flange louvers are also available for installation into framed openings.

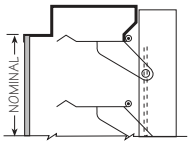
All welds are water tight and made from non-corroding siliconized bronze wire.

Additional materials available are stainless steel and aluminum. All louvers are shipped with an aluminum insect screen mounted in a removable, rewireable frame. Hardware cloth is also available. Louvers are shipped individually in heavy duty cardboard cartons.

HEADER TYPES

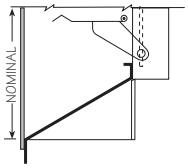


FLAT FLANGE

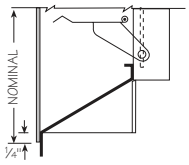


SELF-FLASHING

SILL TYPES

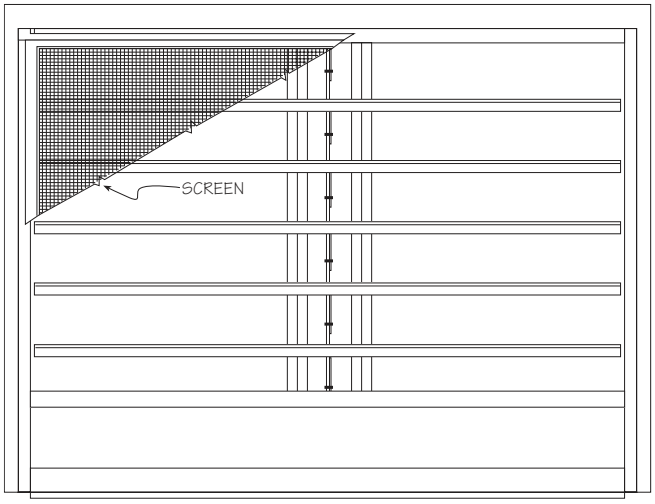


SELF-FLASHING

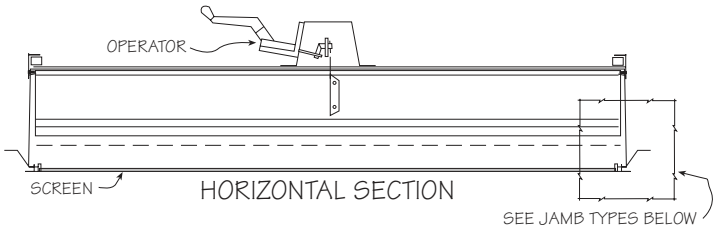


FLAT FLANGE

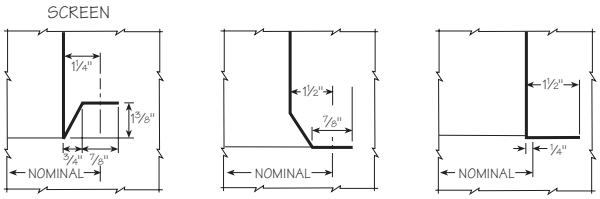
NOTE: Any combination of head and sill types can be ordered.



ELEVATION

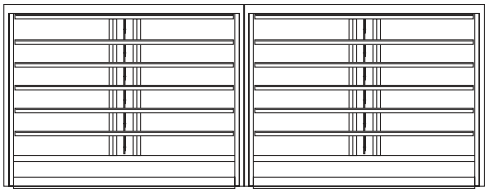


HORIZONTAL SECTION

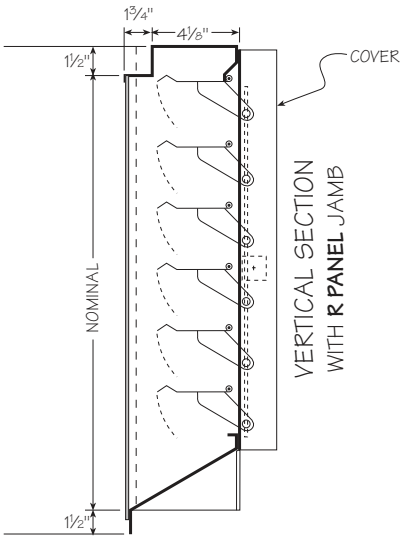


A PANEL | R PANEL | FLAT FLANGE

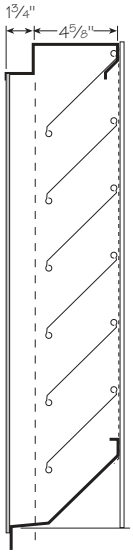
JAMB TYPES



MULTI-UNIT INSTALLATION
(SELF MULLING)



VERTICAL SECTION WITH **R PANEL** JAMB



VERTICAL SECTION - FIXED BLADES WITH **A PANEL** JAMB

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GALVANIZED STEEL FIXED LOUVER

STANDARD FEATURES

- 18-gauge galvanized frame, 4 1/2" nominal depth
- 20-gauge galvanized steel blade, 45° angle
- Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame
- Mill finish
- Architecturally styled, all galvanized steel construction

OPTIONS

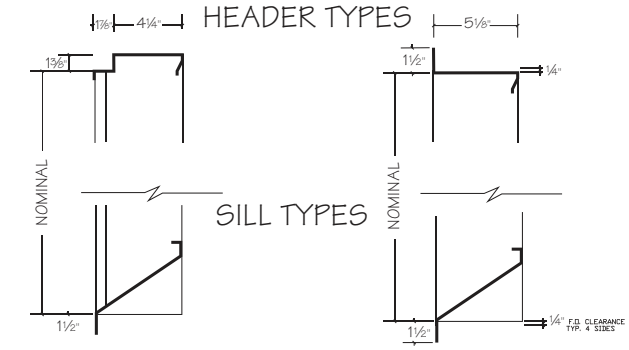
Changes to the base design of this louver are available at an additional cost, including:

- Extended sill
- A variety of bird or insect screens
- Powder coated finish
- Mullions, if needed (not for A Panel or R Panel types)

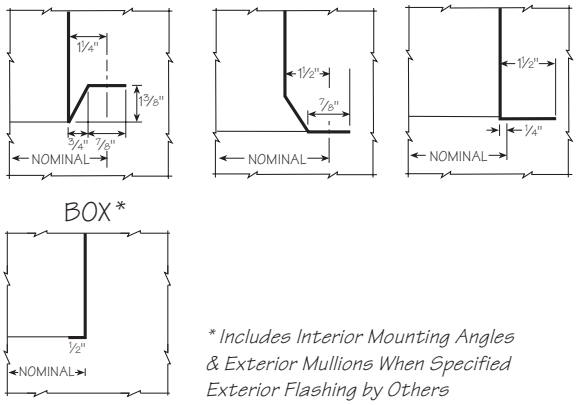
NOTE

Minimum size is 12"x12"

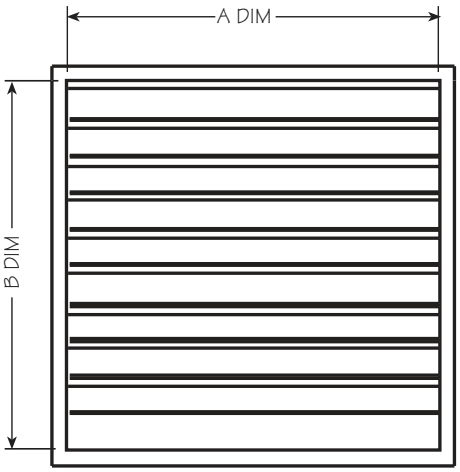
FIXED/FIXED STORMPROOF BLADE

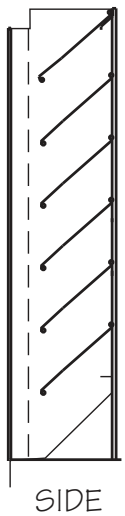


JAMB TYPES



** Includes Interior Mounting Angles & Exterior Mullions When Specified*
Exterior Flashing by Others





SIDE PROFILE

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GALVANIZED STEEL FIXED STORMPROOF BLADE LOUVER

STANDARD FEATURES

- 18-gauge galvanized frame, 4 1/2" nominal depth
- 20-gauge galvanized steel blades
- Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame
- Mill finish
- Architecturally styled, all galvanized steel construction

OPTIONS

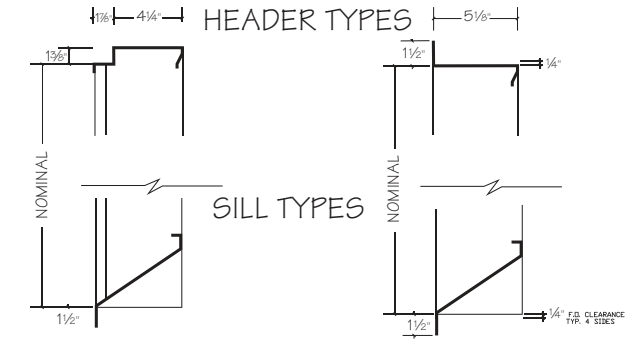
Changes to the base design of this louver are available at an additional cost, including:

- Extended sill
- A variety of bird or insect screens
- Powder coated finish

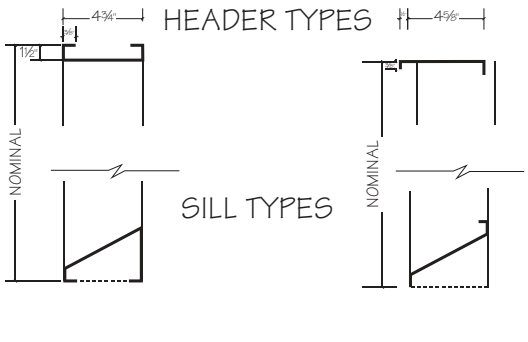
NOTE

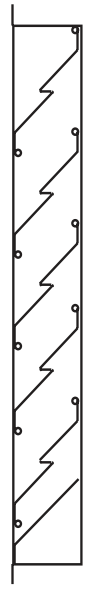
Minimum size is 12"x12"

FIXED/FIXED STORMPROOF BLADE

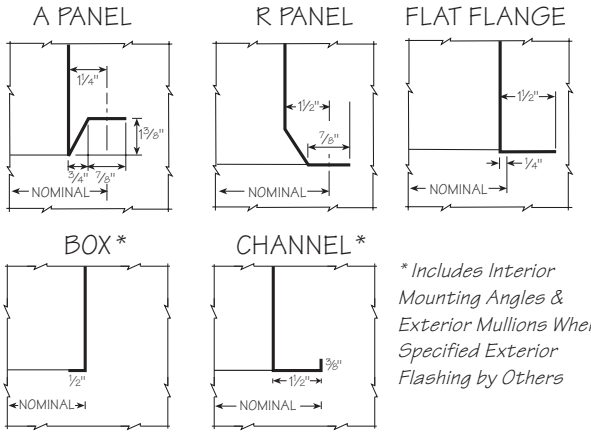


FIXED STORMPROOF BLADE CHANNEL FRAME/BOX TYPE

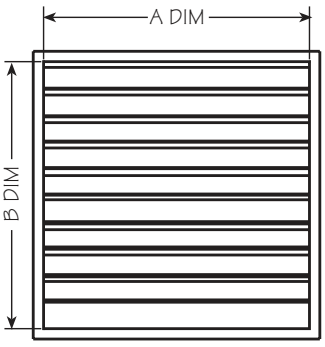


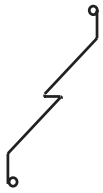


JAMB TYPES



** Includes Interior Mounting Angles & Exterior Mullions When Specified Exterior Flashing by Others*





BLADE PROFILE

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ALUMINUM FIXED STORMPROOF BLADE LOUVER

STANDARD FEATURES

- .080 aluminum frame, 4" nominal depth
- Extruded aluminum .080 J-type blade, 45° angle
- Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame
- Mill finish
- Architecturally styled, all aluminum construction for low maintenance and high resistance to corrosion

OPTIONS

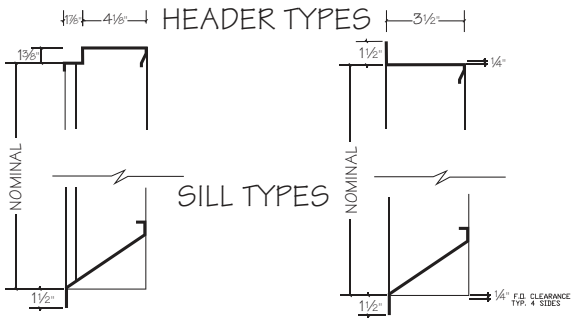
Changes to the base design of this louver are available at an additional cost, including:

- Extended sill
- A variety of bird or insect screens
- Powder coated finish
- Mullions, if needed (not for A Panel or R Panel types)

NOTE

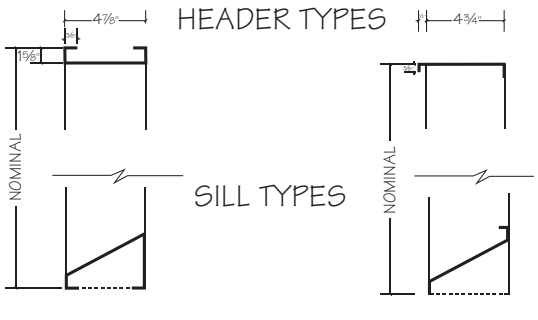
Minimum size is 12"x12"

FIXED ALUM STORMPROOF BLADE – ONLY

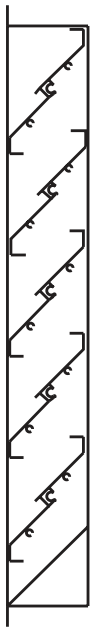


SELF-FLASHING FLAT FLANGE

FIXED ALUM STORMPROOF BLADE CHANNEL FRAME/BOX TYPE

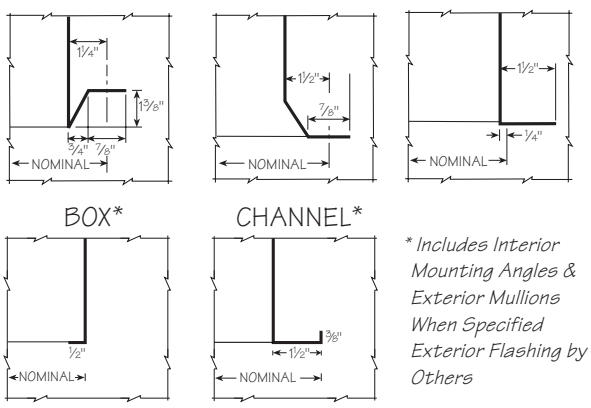


CHANNEL FRAME* BOX TYPE*

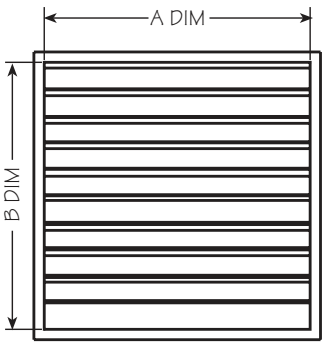


SIDE PROFILE

JAMB TYPES



Includes Interior Mounting Angles & Exterior Mullions When Specified Exterior Flashing by Others



BLADE PROFILE

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GALVANIZED STEEL FIXED GABLE LOUVER

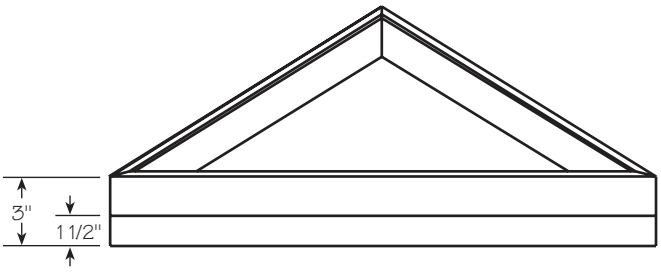
STANDARD FEATURES

- 18-gauge galvanized frame, 3" nominal depth
- 20-gauge galvanized steel blade, 45° angle
- Flat flange
- Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame
- Mill finish
- Architecturally styled

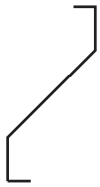
OPTIONS

Changes to the base design of this louver are available at an additional cost, including:

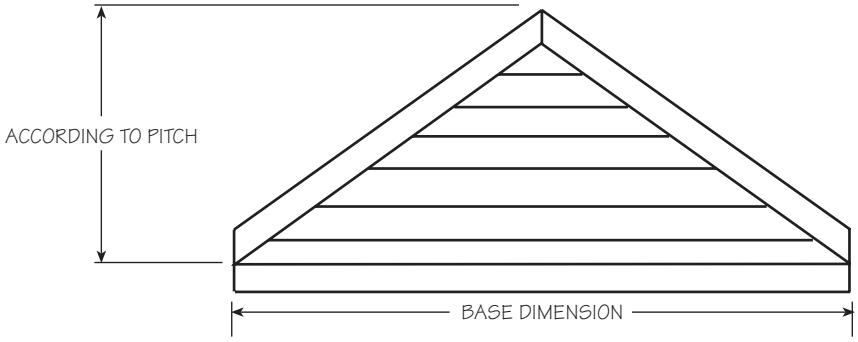
- A variety of bird or insect screens
- Powder coated finish
- Sheeted above and below
- Sheeted below only



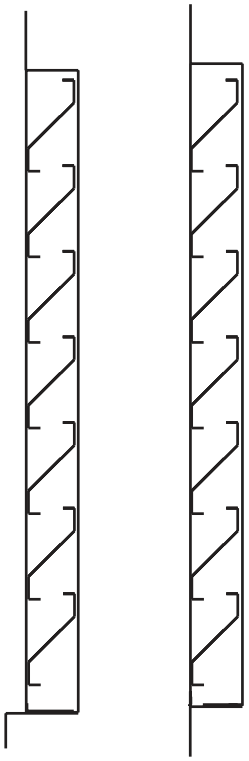
BACK VIEW



BLADE PROFILE



FRONT VIEW



SIDE PROFILES

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ALUMINUM FIXED GABLE LOUVER

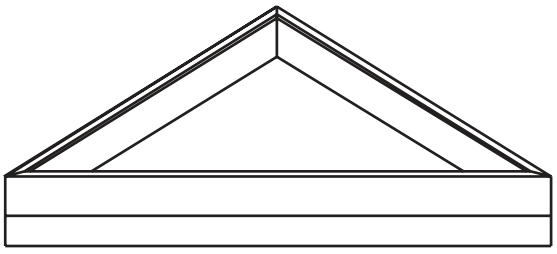
STANDARD FEATURES

- .080 aluminum frame, 3" nominal depth
- Extruded aluminum .080 J-type blade, 45° angle
- Flat flange
- Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame
- Mill finish
- Architecturally styled, all aluminum construction for low maintenance and high resistance to corrosion

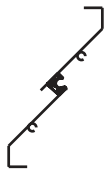
OPTIONS

Changes to the base design of this louver are available at an additional cost, including:

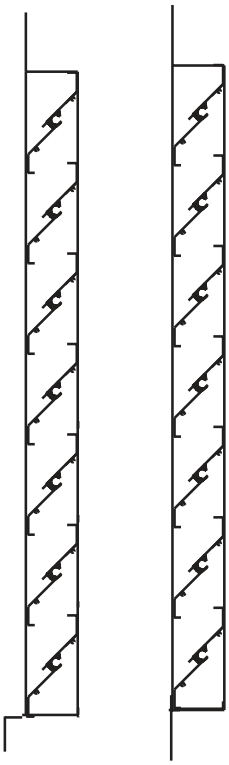
- A variety of bird or insect screens
- Powder coated finish
- Sheeted below only



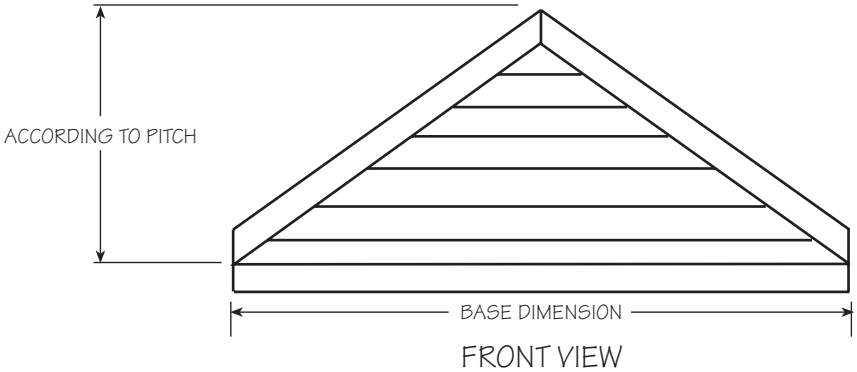
BACK VIEW



BLADE PROFILE



SIDE PROFILES



FRONT VIEW

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ALUMINUM ROUND LOUVER WITH STORMPROOF BLADES

STANDARD FEATURES

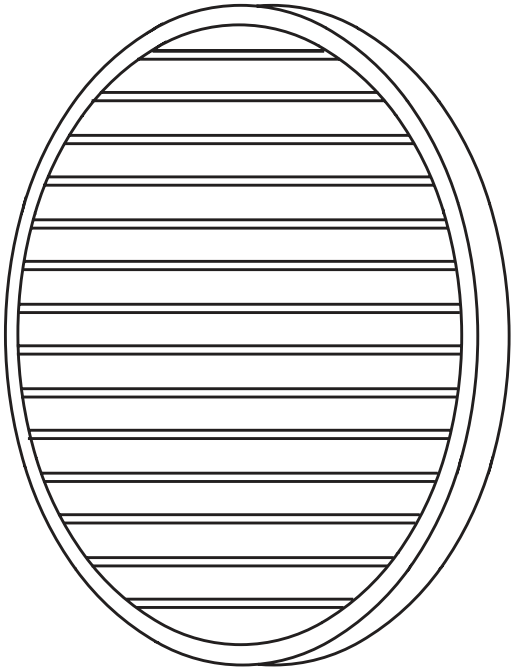
- .080 aluminum frame, 3" nominal depth
- Extruded aluminum .080 J-type blade, 45° angle
- Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame
- Mill finish
- Architecturally styled, all aluminum construction for low maintenance and high resistance to corrosion

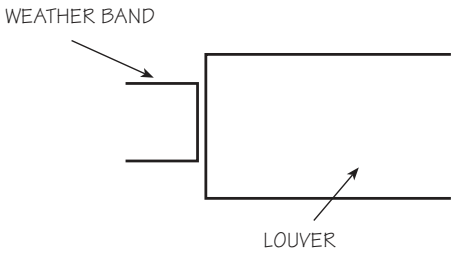
OPTIONS

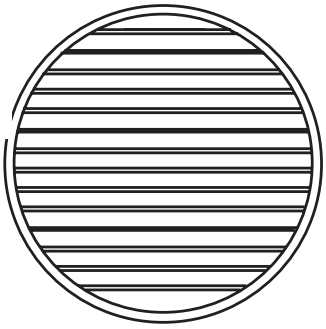
- A variety of bird or insect screens
- Powder coated finish

NOTE

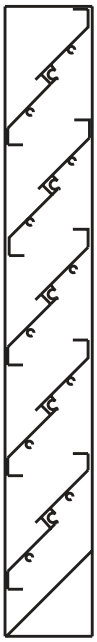
Minimum size is 24" diameter







BLADE PROFILE



SIDE PROFILE

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INSTALLATION INSTRUCTIONS

ALUMINUM ROUND LOUVER WITH STORMPROOF BLADES

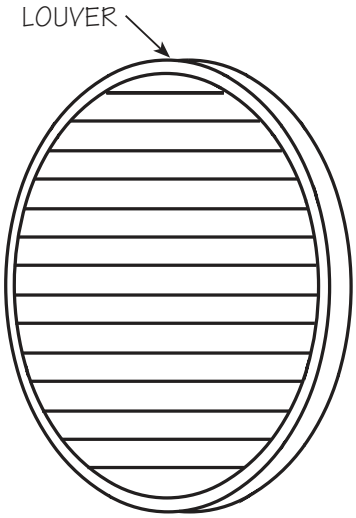
STEP 1: Cut hole in sheet

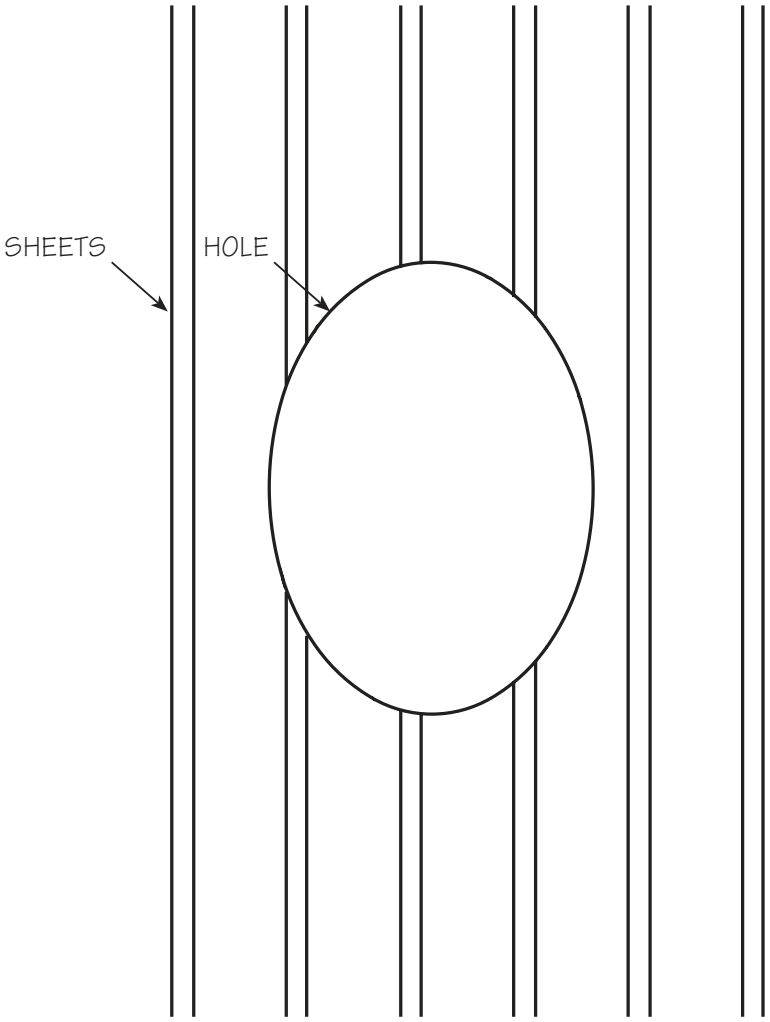
STEP 2: Put weather band in opening

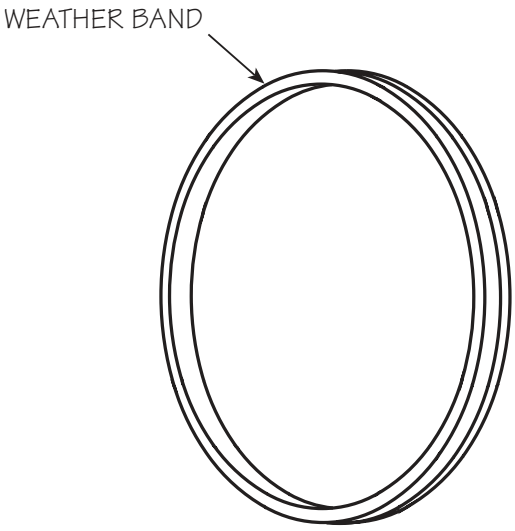
STEP 3: Screw weather band to sheets and caulk

STEP 4: Put louver inside weather band

STEP 5: Screw louver to weather band







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GALVANIZED STEEL ADJUSTABLE BACK PIVOT LOUVER

STANDARD FEATURES

- 18-gauge galvanized steel frame, 4 1/2" nominal depth
- 20-gauge galvanized steel blade
- Hand crank operator
- Mill finish
- Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame
- Architecturally styled, all galvanized steel construction and blade seals

OPTIONS

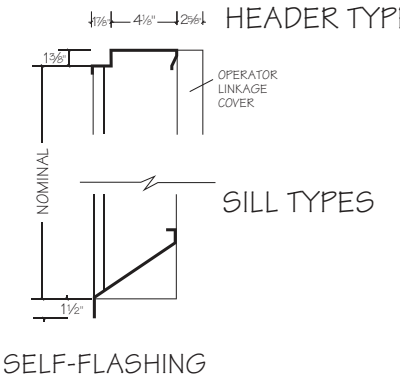
Changes to the base design of this louver are available at an additional cost, including:

- Extended sill
- A variety of bird or insect screens
- Powder coated finish
- Pull chain operators
- Motor
- Mullions, if needed (not for A Panel or R Panel types)

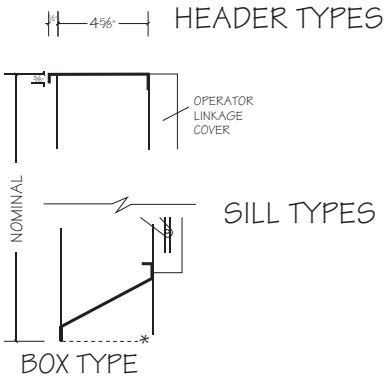
NOTE

Minimum size is 24"x24"

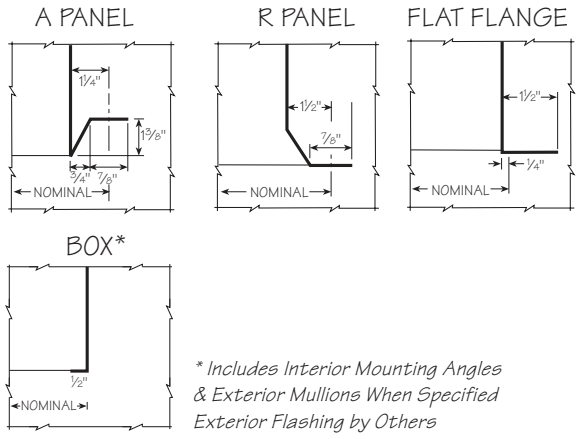
BACK PIVOT / CENTER PIVOT



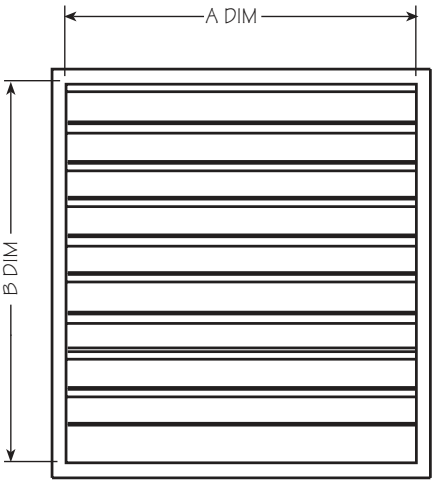
BACK PIVOT BOX TYPE ONLY

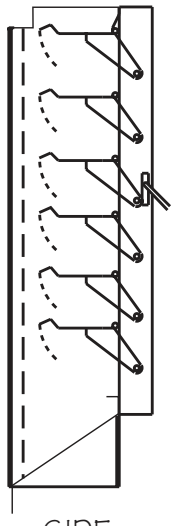


JAMB TYPES



Includes Interior Mounting Angles & Exterior Mullions When Specified
Exterior Flashing by Others





SIDE PROFILE

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GALVANIZED STEEL ADJUSTABLE CENTER PIVOT LOUVER

STANDARD FEATURES

- 18-gauge galvanized steel frame, 4 1/2" nominal depth
- 20-gauge galvanized steel blade
- Hand crank operator
- Mill finish
- Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame
- Blade and jamb seals

OPTIONS

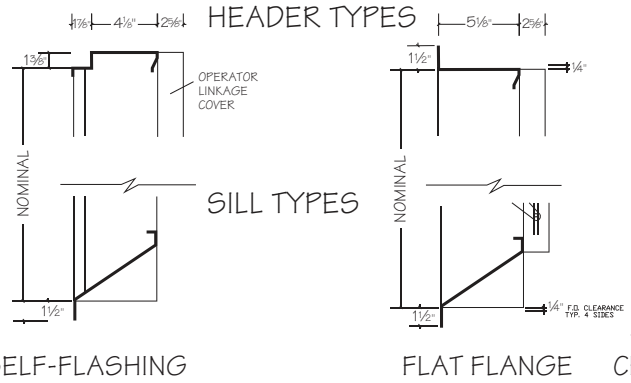
Changes to the base design of this louver are available at an additional cost, including:

- Extended sill
- A variety of bird or insect screens
- Selection of finishes: Baked enamel, polyurethane or color match
- Pull chain operators
- Motor
- Mullions, if needed (not for A Panel or R Panel types)

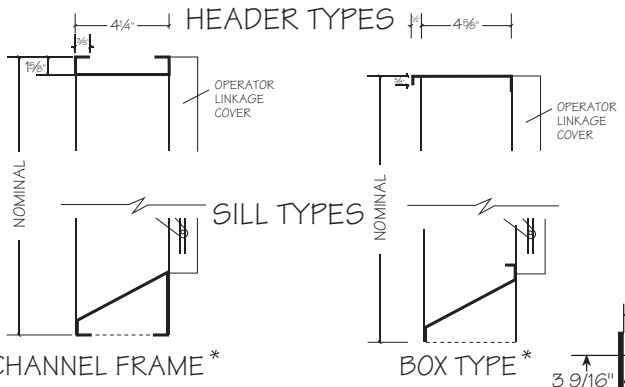
NOTE

Minimum size is 24"x24"

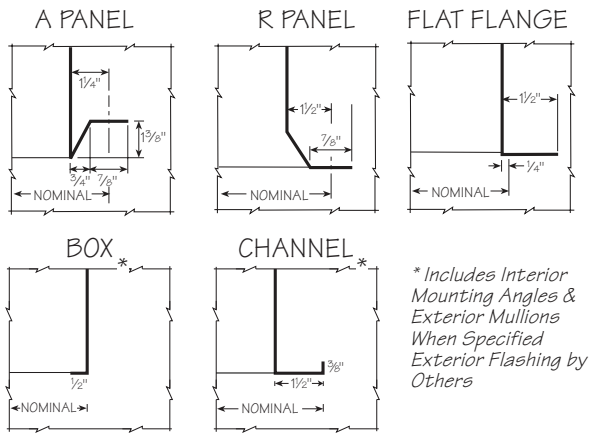
BACK PIVOT / CENTER PIVOT



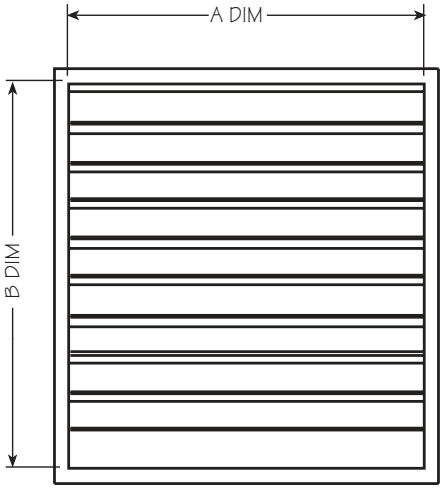
CENTER PIVOT CHANNEL FRAME/BOX TYPE

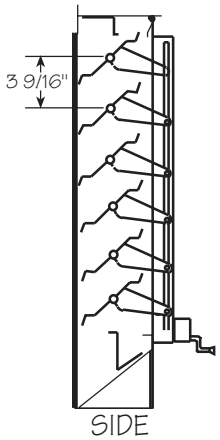


JAMB TYPES



Includes Interior Mounting Angles & Exterior Mullions When Specified Exterior Flashing by Others





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ALUMINUM ADJUSTABLE STORMPROOF BLADE LOUVER

STANDARD FEATURES

- .080 aluminum frame, 4" nominal depth
- Extruded aluminum .080 J-type blade, 45° angle
- Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame
- Mill finish
- Architecturally styled, all aluminum construction for low maintenance and high resistance to corrosion

OPTIONS

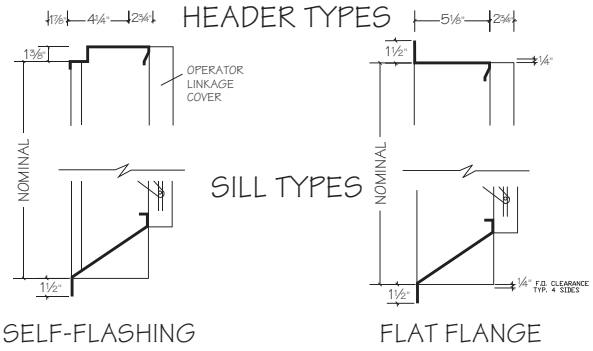
Changes to the base design of this louver are available at an additional cost, including:

- Extended sill
- A variety of bird or insect screens
- Powder coated finish
- Mullions, if needed (not for A Panel or R Panel types)

NOTE

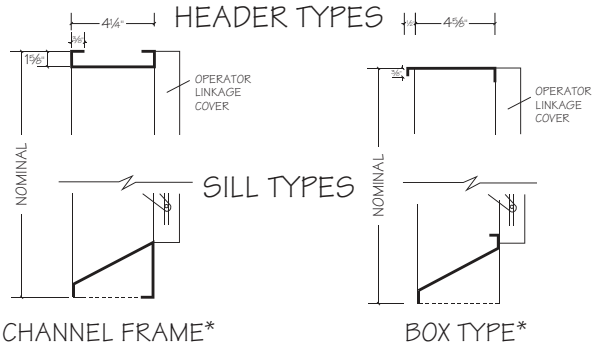
Minimum size is 24"x24"

CENTER PIVOT ALUM STORMPROOF BLADE

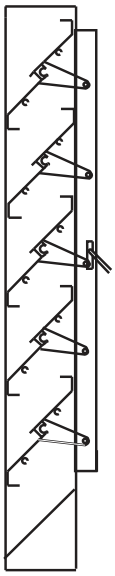


SELF-FLASHING FLAT FLANGE

CENTER PIVOT STORMPROOF CHANNEL FRAME/BOX TYPE

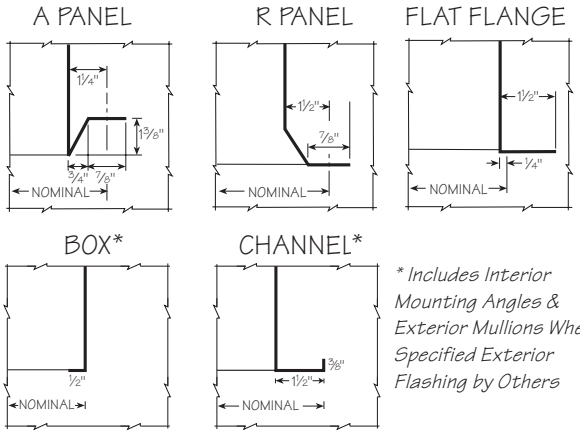


CHANNEL FRAME* BOX TYPE*

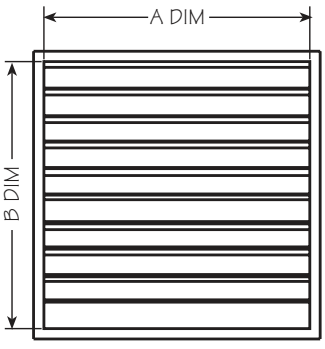


SIDE PROFILE

JAMB TYPES



** Includes Interior Mounting Angles & Exterior Mullions When Specified Exterior Flashing by Others*



BLADE PROFILE

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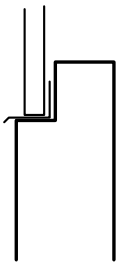
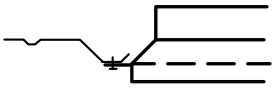
LOUVER
INSTALLATION INSTRUCTIONS

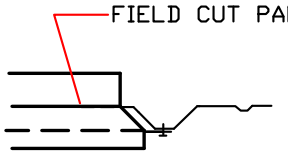
T2 (R PANEL) LOUVER



SECTION A



SECTION B



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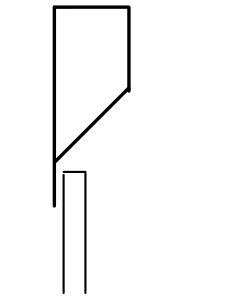

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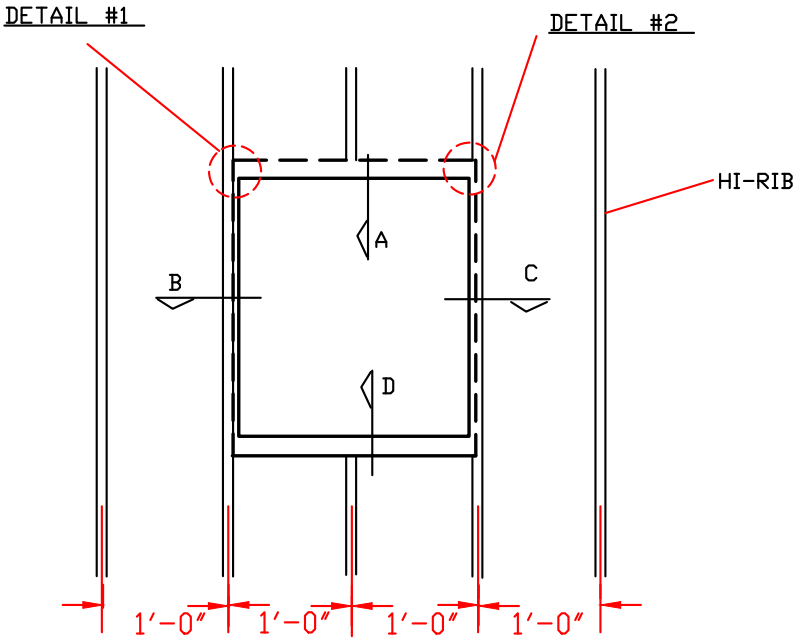

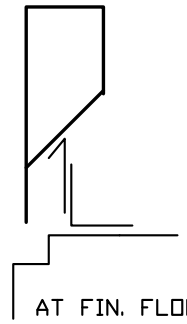

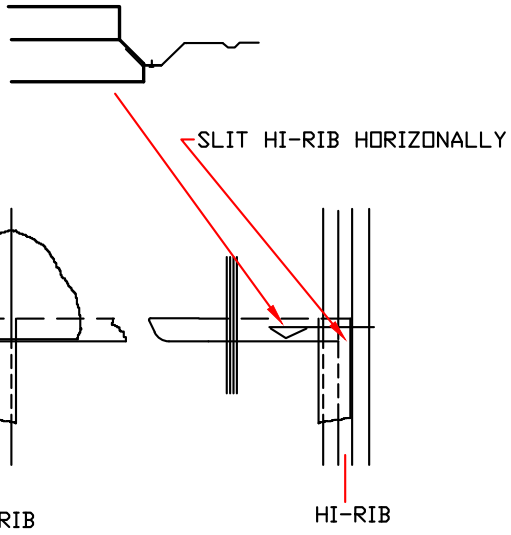

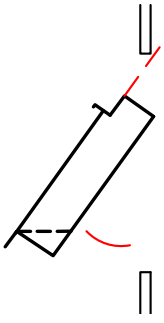

DETAIL #1

PANEL SIDE-LAP CONDITION

DETAIL #2

INTERMEDIATE HI-RIB CONDITION REQUIRES SLIT.

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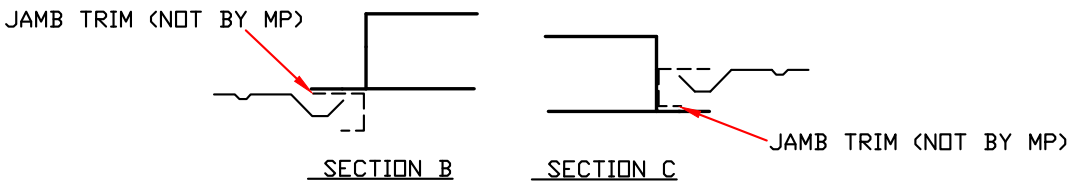
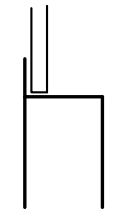
LOUVER
INSTALLATION INSTRUCTIONS

T3 (FLAT FLANGE) LOUVER

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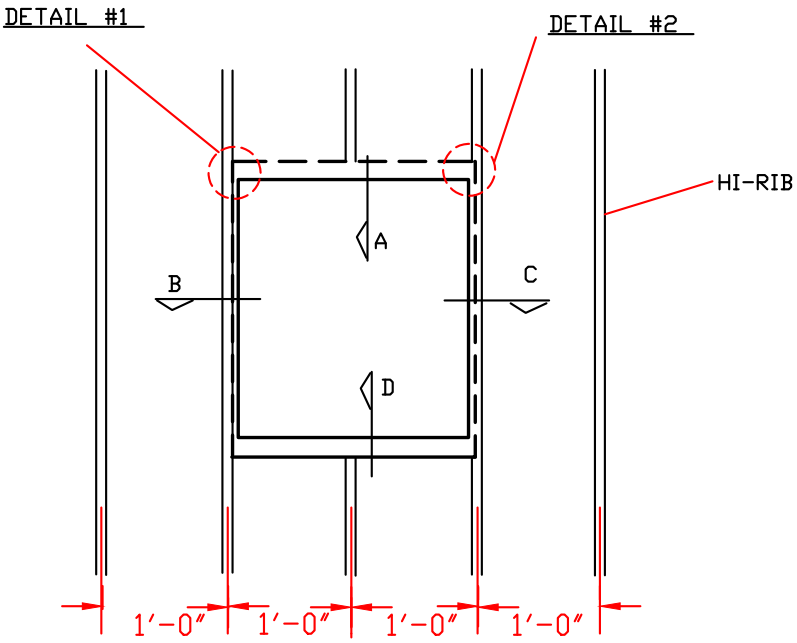
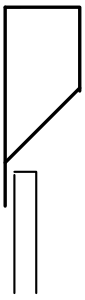
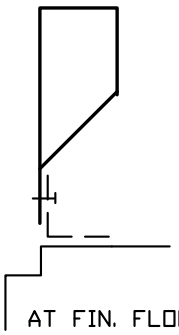
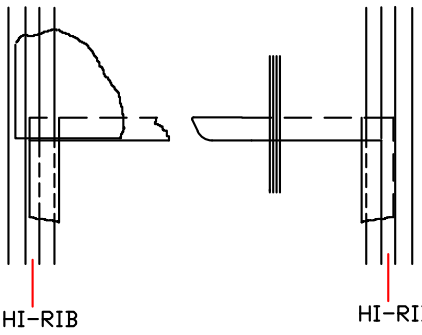



ABOVE FIN. FLOOR
SECTION D


AT FIN. FLOOR



DETAIL #1
PANEL SIDE-LAP CONDITION

DETAIL #2
INTERMEDIATE HI-RIB CONDITION REQUIRES SLIT.

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LONE STAR LOUVER

Metallic Products' Lone Star louver is designed with the customer in mind. A lighter version of our standard fixed louver, this unit offers a low cost and efficient solution for your ventilation needs – without losing the quality you've come to expect from Metallic Products.

Featuring riveted construction, Lone Star louvers are available in sizes from 1'x1' to 4'x5', and with options for both R-panel and flat flange varieties. These units are easy to install, and come in a range of colors and finish options, allowing you to tailor your louver to suit your aesthetic.

METALLIC PRODUCTS LONE STAR LINE

Metallic Products' Lone Star Line offers quality engineered ventilation products made to fit your needs and your budget, emphasizing both simplicity and functionality.

Watch Our Video to Learn More About the Lone Star Louver

SPECIFICATIONS

STANDARD FEATURES

- 24-gauge Galvalume frame
- 26-gauge Galvalume steel blade, 45° angle
- Aluminum screen mesh riveted to frame
- Galvalume finish
- Architecturally styled, all Galvalume steel construction

OPTIONS

- R-panel and flat flange varieties
- Bird or insect screens
- Powder coated finish

STANDARD SIZES			
1'x1'	2'x2''	3'x3'	4'x4'

NOTE

Minimum size is 12" x 12"
Maximum size is 48" x 60"

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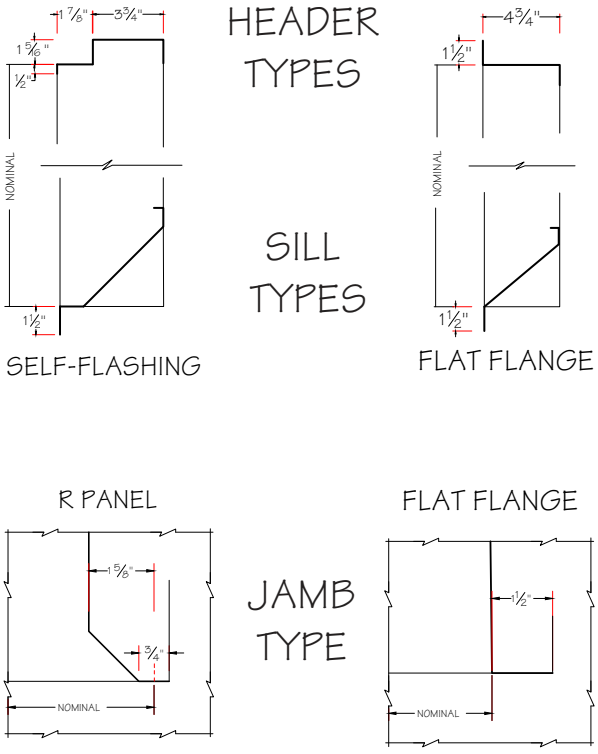
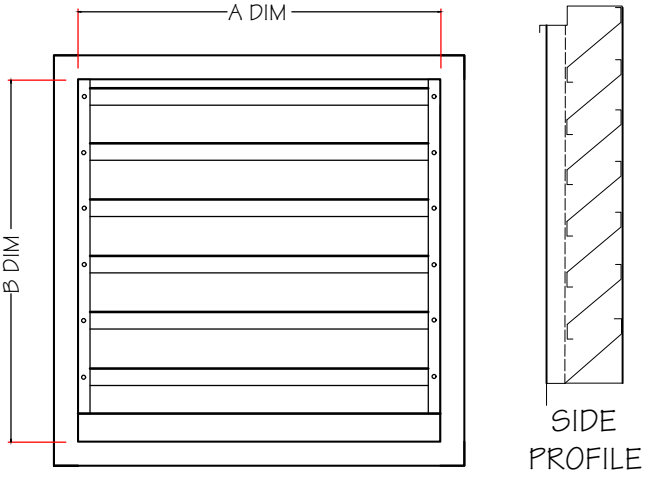
TECHNICAL SPECIFICATIONS





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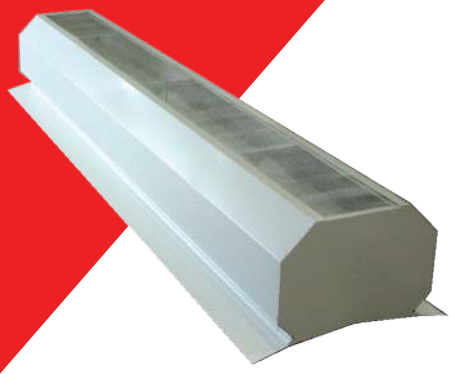
FLORIDA PRODUCT APPROVED CONTINUOUS RIDGE VENTILATOR



Continuous Ridge Ventilator

A properly engineered ventilation system using continuous ridge ventilators controls the movement of fresh air through the building, removing hot, stale air and air contaminated by manufacturing or production processes. Summer heat is released naturally through gravity ridge ventilators. Meanwhile, during winter, proper ventilation can help control condensation and other moisture problems such as rust, insulation deterioration and damage to stored products.

Pull chains are the standard operators for dampers. Multiple damper operators are available for two or more units.

Standard ridge ventilators are shipped with a 1:12 end cap and can be field modified to accommodate up to a 6:12 roof pitch. Ventilators can be custom ordered to accommodate roof pitches greater than 6:12.

PRODUCT DESCRIPTION	SUB-FRAMING ATTACHMENT	SKIRT TYPE	FLORIDA APPROVAL NUMBER
9" x 10' Ridge Ventilator	24-Gauge Steel Min.	Flat or Die-Formed	12805.1
12" x 10' Ridge Ventilator	24-Gauge Steel Min.	Flat or Die-Formed	12805.2

NOTE

Please specify flat or die formed skirts, roof pitch, damper operator and color when ordering.

SPECIFICATIONS

STANDARD SIZE

9" throat and 12" throat available in 10' sections and can be used for single unit or continuous run installation with no disassembly.

INTEGRAL DAMPERS

Easy-moving damper opens to any degree, from fully open to completely closed.

DESIGN

Aerodynamically proportioned to exclude weather. Protects air passages and full outlet area.

BIRD SCREEN

Vents are fully protected by bird screen mesh galvanized hardware cloth.

CONSTRUCTION

Durable 24-gauge exterior combined with internal components of 24-, 20- and 18-gauge die formed sheet metal and machined parts for long service life.

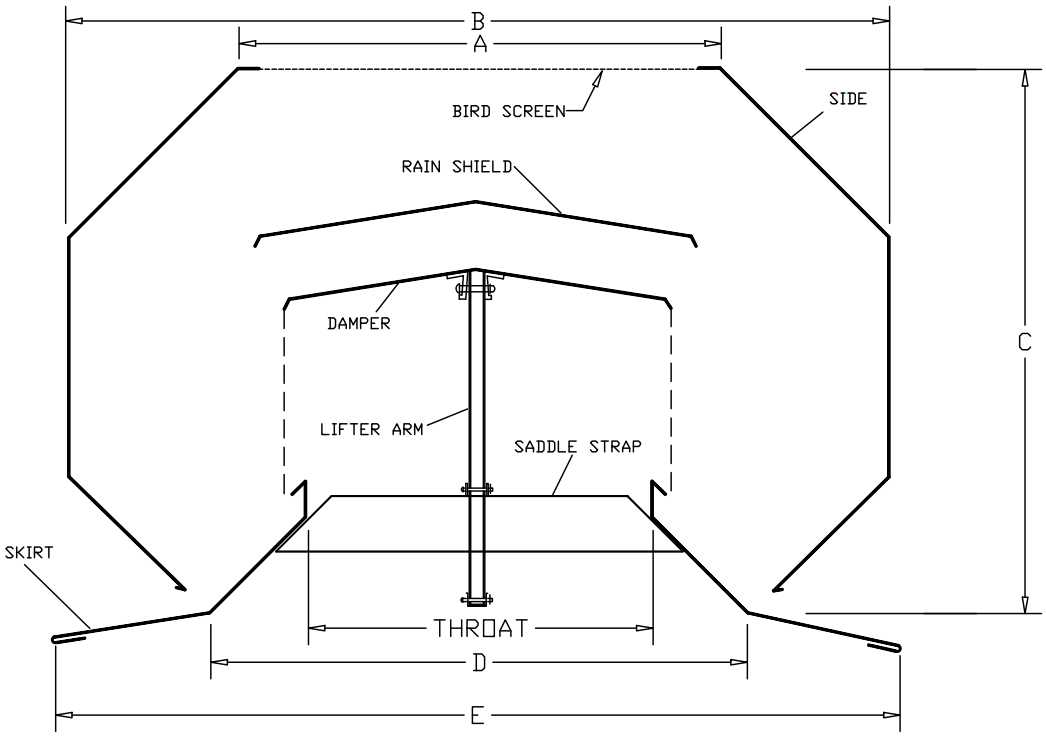
FINISH

Galvalume or Polar White finish is standard and other colors are available, including Kynar®.

DRAINAGE AREA

Continuous slot on bottom of both sides of windbands.

TECHNICAL SPECIFICATIONS



DIMENSIONS

THROAT*	A	B	C	D	E
9"	13"	21-1/4"	14-1/2"	16"	28-1/4"
12"	17"	28-1/2"	18"	20-3/4"	33"

**Other throat sizes available upon request.* These Florida Approved ridge vents were designed utilizing standard Metallic Products construction.

Roof panels must extend to "D" dimension for proper support and drainage.

SHIPPING WEIGHT

THROAT	STANDARD CRATED	PACKAGE SIZE *(L x W x H)*
9"	230 lbs.**	125" x 30-1/2" x 20"
12"	250 lbs.**	125" x 34-3/4" x 24"

***Approximate weight.*

CAPACITY

To determine capacity per unit, multiple "Base Rating" by "Temperature-Height Factor":
CFM = Base x Temperature-Height Factor.

Based on fresh air intake area 1-1/2 times ventilator throat area. Assumes 5 mph wind speed.

BASE RATINGS	
THROAT SIZE	C.F.M.
9"	2700
12"	3600

TEMPERATURE-HEIGHT FACTORS									
	TEMPERATURE DIFFERENCE								
HEIGHT	5°	10°	15°	20°	25°	30°	35°	40°	45°
10'	.37	.49	.58	.64	.70	.76	.81	.86	.95
15'	.42	.60	.71	.80	.86	.92	.99	1.05	1.09
20'	.53	.70	.81	.92	.99	1.07	1.14	1.22	1.26
25'	.58	.77	.89	1.00	1.08	1.18	1.25	1.33	1.36
30'	.63	.83	.97	1.08	1.17	1.28	1.36	1.45	1.50
35'	.66	.87	1.02	1.14	1.24	1.35	1.44	1.51	1.58
40'	.70	.93	1.08	1.22	1.30	1.41	1.50	1.61	1.68
45'	.74	.96	1.12	1.28	1.38	1.48	1.59	1.68	1.75
50'	.77	1.01	1.18	1.33	1.44	1.56	1.67	1.75	1.83
55'	.80	1.06	1.23	1.39	1.50	1.64	1.72	1.83	1.92
60'	.83	1.09	1.28	1.44	1.55	1.69	1.79	1.90	2.00
65'	.85	1.12	1.32	1.48	1.61	1.74	1.85	1.97	2.06
70'	.88	1.17	1.36	1.53	1.67	1.79	1.89	2.02	2.11
75'	.90	1.19	1.39	1.57	1.69	1.83	1.96	2.06	2.17
80'	.93	1.22	1.42	1.61	1.72	1.86	2.00	2.11	2.20

Height = Vertical rise from inlets near floor to ventilator
Temperature = Estimated temperature difference between middle of air intake near the floor and ventilator with dampers open

METALLIC PRODUCTS
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FLORIDA PRODUCT APPROVED LOW PROFILE RIDGE VENTILATOR

Metallic Products' low profile ridge vents are aesthetically pleasing and an extremely efficient means of ventilating metal roofs. Each unit is manufactured in 10' lengths and can be installed as a single unit or butted together to form a continuous run. (End caps and splice kits shipped loose for field installation.) In continuous run applications, the splice kits provide the appearance of a single unit.

PRODUCT DESCRIPTION	SUB-FRAMING ATTACHMENT	SKIRT TYPE	FLORIDA APPROVAL NUMBER
FPA Low Profile Ridge Ventilator	24-Gauge Steel Min.	Flat or Die-Formed	12805.3
HVHZ Low Profile Ridge Ventilator	20-Gauge Steel Min.	Flat or Die-Formed	12805.4

Low Profile Ridge Vent

NOTE

Please specify flat or die formed skirts, roof pitch and color when ordering.

THROAT SIZE
(determined by roof pitch)

PITCH	THROAT SIZE
1:12	4-1/8"
2:12	4-1/8"
3:12	4-1/8"
4:12	4-1/8"
5:12	3-1/2"
6:12	2-7/8"
7:12	4 5/8"
8:12	4-1/8"
9:12	3-1/2"
10:12	3"
11:12	2-9/16"
12:12	2"

SPECIFICATIONS

STANDARD SIZE

Each 10' unit features 200 square inches of free area with a base rating of 611 CFM of air movement. Units in lengths less than 10' can be manufactured upon request. Throat size is determined by roof pitch.

DESIGN

Aerodynamic, low-profile design enhances the look and performance of architectural roof systems. The unit moves toward the ridge on floating roofs. Vents are made to match roof slope to maintain low-profile appearance.

CONSTRUCTION

Unit is factory assembled and ready for installation. Vent features the Cor-A-Vent®, a time-tested, economical, self-cleaning and durable ventilation core. All steel parts are 24-gauge.

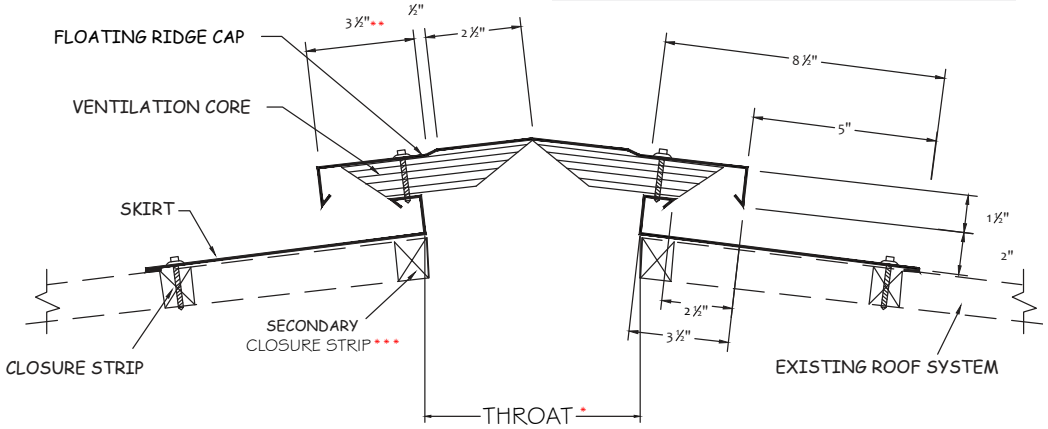
FINISH

Galvalume or Polar White finish is standard and other colors are available, including Kynar®.

** Throat varies with roof slope. (See table)*

*** This dimension changes to 5" on roof slopes 7:12 – 12:12.*

**** Secondary closure at ridge is recommended at each skirt splice in a continuous run.*



NOTE

Roof panel must extend to throat of vent for proper support and drainage.
End caps and splice kits (if necessary) are shipped loose for field installation.

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TECHNICAL SPECIFICATIONS

TABLE A

TEMPERATURE-HEIGHT FACTORS						
HEIGHT	TEMPERATURE DIFFERENCE					
	5°	10°	15°	20°	25°	30°
10'	16.65A	22.05A	26.10A	28.80A	31.50A	34.20A
15'	18.90A	27.00A	31.95A	36.00A	38.70A	41.40B
20'	23.85A	31.50A	36.45A	41.40A	44.50B	48.15B
25'	26.10A	34.65A	40.05A	45.00B	48.60B	53.10C
30'	28.35A	37.35A	43.65B	48.60B	52.65C	57.60C
35'	29.70A	39.15B	45.90B	51.30B	55.80C	60.75C
40'	31.50B	41.85B	48.60B	54.90C	58.50C	63.45C
45	33.30B	43.20B	50.40B	57.60C	62.10C	66.60C
50	34.65B	45.45B	53.10C	59.85C	64.80C	70.20D

TABLE B

WIND VELOCITY				
WIND (*mph*)	FACTORS			
	A	B	C	D
3	1.14	1.09	1.05	1.02
5	1.25	1.18	1.13	1.09
7	1.41	1.29	1.22	1.16
9	1.62	1.43	1.33	1.25
11	1.82	1.57	1.43	1.32

TOTAL CFM = (Table A) x (Table B) x Length

FLORIDA PRODUCT APPROVAL NOTES

- Building Envelope Components are Florida Statute required (FS 553.842) to have Florida Product Approvals
- Statewide Building Envelope Products are approved by the Florida Building Commission
- Florida Product Approvals of building envelope components/systems are certified to structural resistance properties in the Florida Building Code
- Metallic Products' ventilators are structurally tested by Florida approved testing laboratories to code standards and are also tested for impact resistance and related properties
- Metallic Products' evaluation reports contain wind resistance data that is certified and approved by the Florida Building Commission for use in demonstrating code compliance
- Metallic Products' product approvals are evaluated by a third-party Florida Professional Engineer who is registered with the Florida Building Commission
- Metallic Products' ventilators are manufactured under an audited production Quality Assurance (QA) program to ISO standard 17020 by an ANSI accredited agency

METALLIC PRODUCTS
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FLORIDA PRODUCT APPROVED FIXED AND ADJUSTABLE WALL LOUVERS

Take advantage of fresh air with Metallic Products' wall louvers. Specifically designed for pre-engineered metal building wall panels, wall louvers are built for proper air flow in and out of your metal building, while remaining weather resistant. Metallic Products' wall louvers are available in both fixed and operable models.

Fixed Blade Louver

Center-Pivot Adjustable Louver

NOTE

The sill is tapered to provide drainage and exclude moisture.

All welds are water tight and made from non-corroding siliconized bronze wire.

STATIONARY LOUVERS

Fixed louvers feature 45° blades, with 4-1/2" depth, and riveted to louver frame for security. Fixed louvers have 55% free area.

OPERABLE LOUVERS

Adjustable louvers feature roll-formed blades with plated twin link pivot brackets riveted to blade and connected with 1/4" zinc plated rod. Brass pivot bushings assure smooth, noncorrosive and long-lasting operation. Standard operator is by reinforced cast aluminum hand crank. Louvers can be factory or field modified for chain operation when louver is installed where hand crank is not accessible. Motorized operators are also available. Blade edge seals are installed for maximum air sealing. Adjustable louvers have 55% free area, when fully opened to a 45° angle.

PRODUCT DESCRIPTION	SUB-FRAMING ATTACHMENT	FRAME TYPE	FLORIDA APPROVAL NUMBER
Fixed Blade Louver	24-Gauge Steel Min.	Flat or Die-Formed	12256.1
Center-Pivot Adjustable Louver	24-Gauge Steel Min.	Flat or Die-Formed	12256.2

SPECIFICATIONS

FRAME

18-gauge galvanized steel

BLADES

18-gauge galvanized steel

FEATURES

Before painting, louvers are chemically treated. Louvers can be painted to match pre-selected colors by manufacturer. Standard paint is an electrostatically applied powder paint, 2mm thick oven-baked finish.

FOR ADJUSTABLE LOUVERS

After the paint process is completed, an extruded weather stripping is applied to the edge of each blade to ensure virtual air tightness in the closed position.

INSECT AND BIRD SCREEN

Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame

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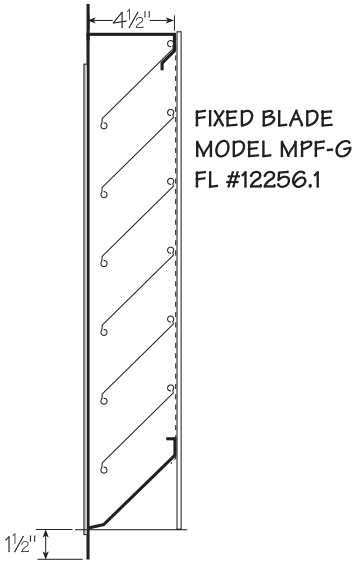
TECHNICAL SPECIFICATIONS:

Vertical Cross Section Detail



FIXED BLADE
MODEL MPF-G
FL #12256.1

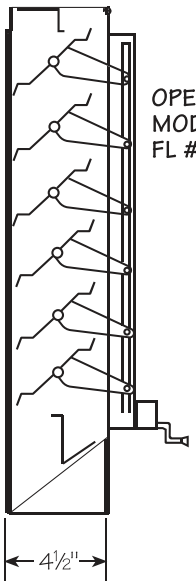
FIXED BLADE MODEL MPF-G FL#12256.1

Frame: 18-gauge galvanized steel 4-1/2" deep 1-1/2" flat flange.

Finish: Louvers can be painted to match pre-selected colors by manufacturer. Standard paint is an electrostatically-applied polyester paint, 2 mm thick and then oven baked finish.

Insect and Bird Screen: Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame.

Blades: 18-gauge galvanized steel. 45° blades, 4-1/2" depth, riveted. 55% free area.



OPERABLE BLADES
MODEL MPO-G
FL #12256.2

OPERABLE BLADES MODEL MPO-G FL#12256.2

Frame: 18-gauge galvanized steel 4-1/2" deep 1-1/2" flat flange.

Finish: Louvers can be painted to match pre-selected colors by manufacturer. Standard paint is an electrostatically-applied polyester paint, 2 mm thick and then oven baked finish.

Insect and Bird Screen: Aluminum screen cloth installed in an extruded removable, rewireable aluminum frame.

Blades: 18-gauge galvanized steel. 45° blades (fully opened), 4" depth, 55% free area.

Blade Operations: Twin link brackets plated steel assembled with double brass pivot and set screw.

Connecting Rod: 1/4" zinc plated steel.

Operator: Standard operator is by a reinforced cast aluminum hand crank.

Optional: Motorized operator; or chain operator of #35 sash chain, with plastic-coated chain pull handle.

FLORIDA PRODUCT APPROVAL NOTES

- Building Envelope Components are Florida Statute required (FS 553.842) to have Florida Product Approvals
- Statewide Building Envelope Products are approved by the Florida Building Commission
- Florida Product Approvals of building envelope components/ systems are certified to structural resistance properties in the Florida Building Code
- Metallic Products' ventilators are structurally tested by Florida approved testing laboratories to code standards and are also texted for impact resistance and related properties
- Metallic Products' evaluation reports contain wind resistance data that is certified and approved by the Florida Building Commission for use in demonstrating code compliance
- Metallic Products' product approvals are evaluated by a third-party Florida Professional Engineer who is registered with the Florida Building Commission
- Metallic Products' ventilators are manufactured under an audited production Quality Assurance (QA) program to ISO standard 17020 by an ANSI accredited agency

METALLIC PRODUCTS
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Door Canopy

Lighted Canopy

DOOR CANOPIES

Metallic Products' door canopies keep you covered. This economical, attractive overhead protection is built strong and designed to withstand the elements.

LOOKING FOR A CANOPY WITH A LARGER PROFILE?

Metallic Products' XL Canopy offers an 8" fascia.

FULL DETAILS & SPECS

CANOPY CONSTRUCTION

- Economical and attractive overhead protection from the elements
- Specifically designed for high wind load and heavy snow load areas
- 24-gauge flat soffit and integral gutter with rear-mounted drains
- 16-gauge galvanized internal frame for 3' and 4' projections, and 14-gauge galvanized internal frame for 5' projection
- 5/8" dia. rod end 4140 hot rolled annealed (HRA) [F.y = 125 ksi]
- 16-gauge telescoping support channels mount behind wall panel between girts, mounting clips and fasteners included
- 3/4" dia. galvanized pipe hangers with adjustable rod ends

LIGHTED CANOPY DETAILS

- Single door contains one LED light in the center of soffit panels, double door contains two LED lights 20" from the edge width
- Wet-rated LED downlight provides uniform luminance (120V, 780 lumens, 4000K color temperature) from a low profile flat lens
- LED lifetime of 50,000 hours
- ENERGY STAR-certified luminaire contains no mercury or lead
- Precision molded lens features high transmission polymer with UV stabilized protecting film
- Fixture mounted in soffit of canopy and sealed to top-mounted junction box
- Electrical contractor must ensure proper fit, wiring and mounting of the electrical junction box in accordance with all applicable national and local codes

UPGRADE YOUR EXISTING METALLIC PRODUCTS CANOPY

Add LED lighting with a retrofit kit! Contact us for kits and installation instructions.

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TRY OUR CANOPY CALCULATOR

Our online tool helps you calculate structure specifications for your canopy.

Scan to Get Started

DOOR CANOPIES SPECS (CONT'D)

SIZES

- Standard sizes for single door (4'6" x 4'0") and double door (7'6" x 4'0"); also available in 3' and 5' projections
- Available with 4-7/8" (Standard) or 8" (XL) tall frames
- 10’ lengths and other custom sizes available
- Can be mulled together for continuous run applications (mullions and secondary gutter provided when specified)

FINISHES

- Galvalume steel or aluminum construction
- Silicone polyester, Kynar® and powder coated finish options available in a wide range of colors
- Custom color matching
- Single color or two-tone (contrasting gutter/fascia and soffit)

OPTIONS

- Masonry mount (anchors by others)
- Downspouts
- Front mounted drains
- LED light kit
- Painted pipes
- XL 8” fascia

LOAD SPECIFICATIONS

IBC 2012, 2015, 2018, 2021 & 2024			
Projection	**Ultimate Wind Speed [Exp. B]**	**Ultimate Wind Speed [Exp. C]**	**Ultimate Pressures (psf)**
3 ft.	350 mph	316 mph	-317 [Uplift]
			240 [Downward]
4 ft.	262 mph	237 mph	-178 [Uplift]
			180 [Downward]
5 ft.	210 mph	190 mph	-115 [Uplift]
			143 [Downward]

Wind loads shown are uniform loads on a 4'- 6" wide canopy with 2 braces.

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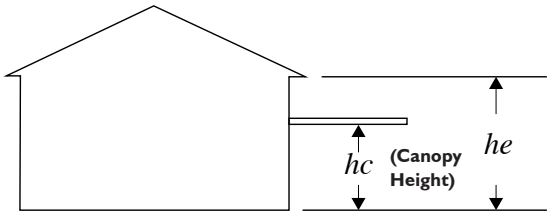
DOOR CANOPIES SPECS (CONT'D)

Wind loads calculated per ASCE 7-16 Section 30.11 and ASCE 7-22 Section 30.9-1, using net pressure coefficients on attached canopies considering contributions from upper and lower surfaces.

- Topographic factor, Kzt = 1.0
- Wind directionality factor, Kd = 0.85
- Ground elevation factor, Ke = 1.0
- Net pressure coefficient, GCp = -1.4 for Uplift pressure & +0.9 for Downward pressure
- Velocity pressure coefficient, Kz = 0.85 for Exposure – B & 1.04 for Exposure – C
- Mean building eave height, he:
  - Max 60' above ground for Exposure – B
  - Max 40' above ground for Exposure – C



ELEVATION

SNOW LOAD (***Note:*** *On the canopy, not the ground snow)*	3' Projection — Max = 144 psf
	4' Projection — Max = 108 psf
	5' Projection — Max = 86 psf

Snow loads shown are uniform loads on a 4'-6" wide canopy with 2 braces. Snow loads shall be determined by engineer utilizing applicable codes and project-specific design criteria.

NOTE: Wider canopies, more stringent loading requirements and customer engineering analysis available.

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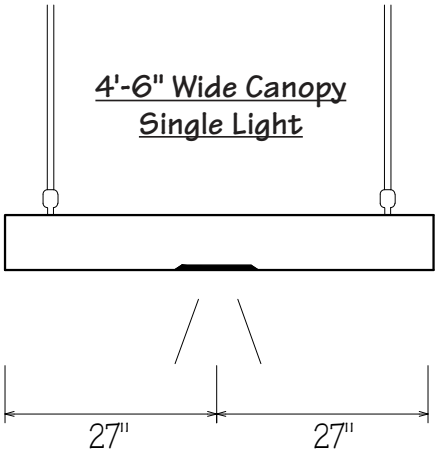
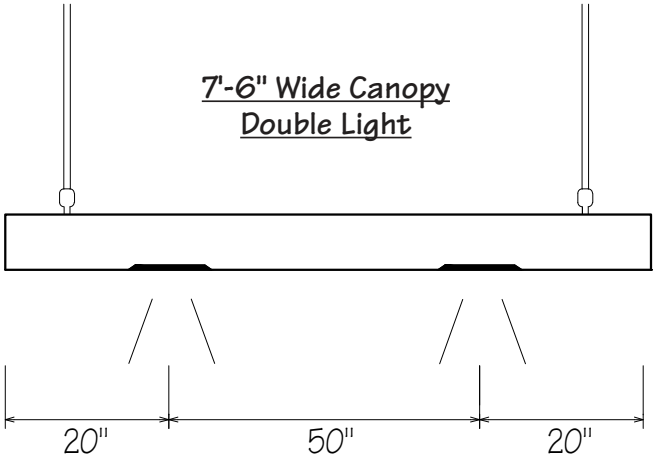
TECHNICAL SPECIFICATIONS

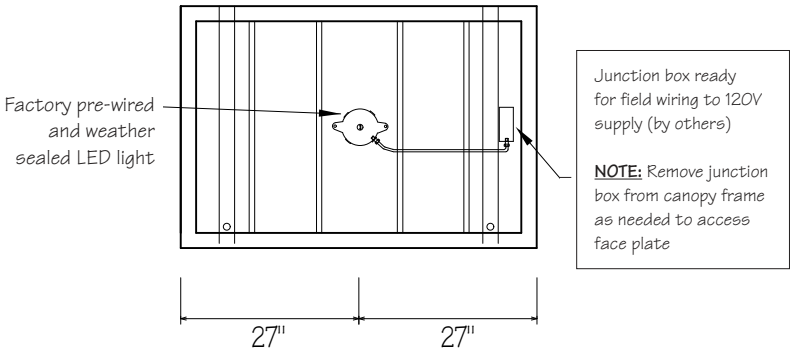
4'-6" Wide Canopy Single Light



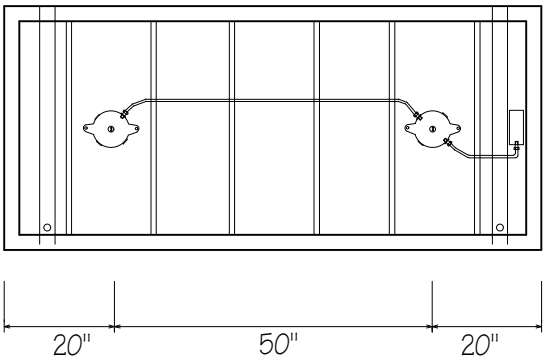
7'-6" Wide Canopy Double Light

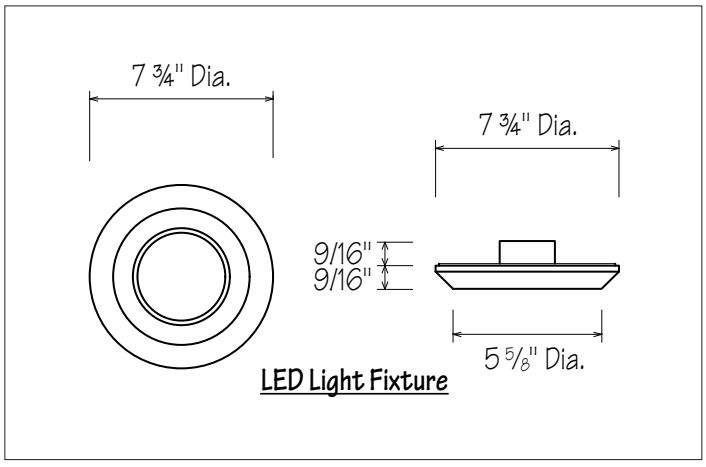


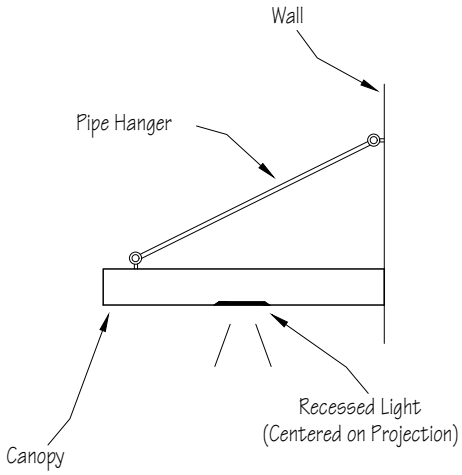
4'-6" Wide Canopy Single Light
(Wall Side)



7'-6" Wide Canopy Double Light
(Wall Side)







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METALLIC PRODUCTS
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INSTALLATION INSTRUCTIONS

DOOR CANOPIES

METAL PANEL APPLICATIONS

Note: *Additional support columns and pipe hangers may be required for larger canopies and/or higher wind loads.*

STEP 1: Install Vertical Support Columns

Note: *Install vertical support columns to girt framing. (Girt spacing max 6'0")*

1.a – Center canopy over door. If necessary, shift canopy toward door knob so that pipe hangers penetrate in the high or low areas of panel. When the canopy is positioned at the desired location match drill 11/16" holes through pre-drilled canopy angle holes. (These holes are aligned with the center of the zee rafter holes used for the pipe hangers at the wall attachment angle of the canopy.)

1.b – Align centerline of support columns with 11/16" holes drilled in step 1.a centerline of zee rafters on canopy between girts. Make sure support columns are perpendicular to top and bottom girt. Attach mounting clips to each end of telescoping support columns with (4) #12 SDS per clip. Slide adjust columns to proper length in order to fit between girts (6' maximum). Secure columns to girts with (4) #12 SDS per clip. Install (2) #12 SDS in the web and (1) in each flange at top and bottom of overlap in channels.

STEP 2: Install Lower Support Bolts

2.a – Match drill through previously drilled holes in wall panel through centerline of support columns.

2.b – With canopy repositioned and matching holes in canopy and wall panel aligned, attach canopy to wall panel and support column using 5/8" x 7" bolt with washer. (If hole penetrates the high rib of the panel, use PVC spacer between wall panel and support column.) ***Note:*** *Before tightening bolts, apply sealant at penetration points.*

STEP 3: Attach Pipe Hangers to Canopy

3.a – Thread 5/8" nut on the short rod end, slide on 5/8" washer and insert into hole on top of canopy rafter at lowest point. Secure with 5/8" nuts and washers on underside of rafter. (Typical for each pipe hanger.)

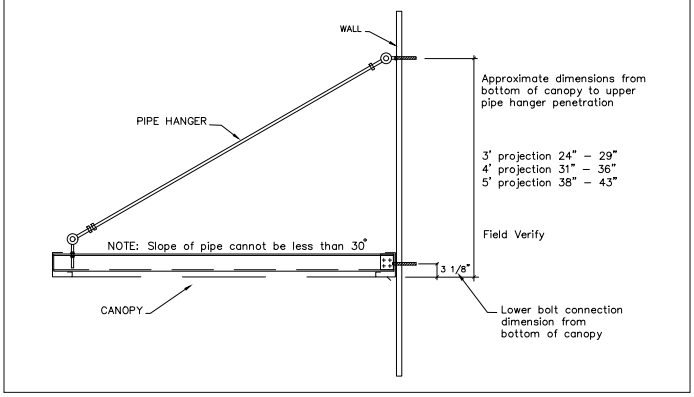
STEP 4: Attach Pipe Hangers to Wall

4.a – Locate the elevation at the point where long rod end will penetrate the wall. Drill 11/16" hole through panel and support columns. Thread 5/8" nut on long rod end and slide on 5/8" washer. Insert long rod through wall panel, washer and support columns. Secure at support column with 5/8" nuts and washers. ***Note:*** *Before tightening bolts, apply sealant at penetration points.*

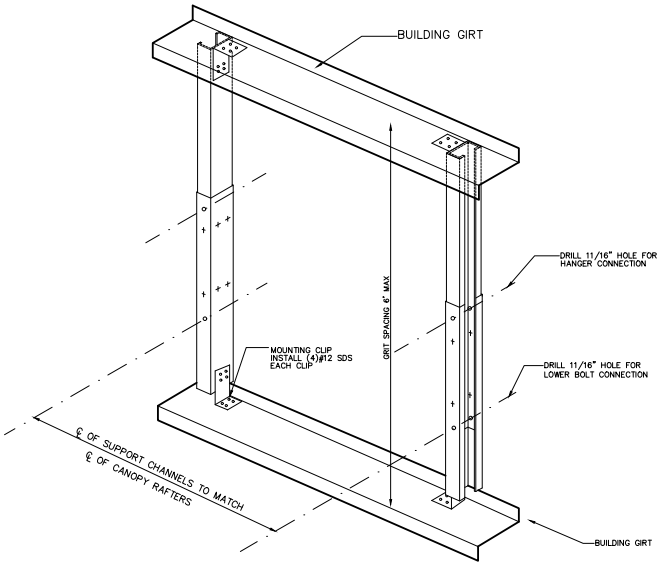
STEP 5: Adjust Pitch of Canopy

5.a – Adjust pipe hanger yoke ends, and/or short rod end at rafter, so the canopy slopes back toward wall 1/2" to 1" (for rear-mounted drains.)

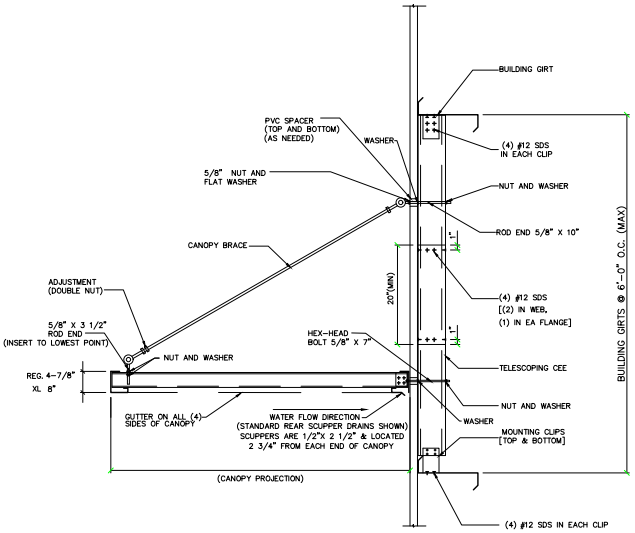
HANGER PENETRATION DIMENSIONS



SUPPORT COLUMNS INSTALL



METAL WALL INSTALL



Metal Wall Install:

(1) Hardware Kit Per Hanger
(1) Pipe Hanger
(1) 3-1/2" X 5/8" Rod End
(1) 10" X 5/8" Rod End
(1) 2pc Telescoping Channel
(2) 12ga Channel Clips
(24) #12 X 3/4" Screws
(1) 7" X 5/8" Hex Bolt
(5) 5/8" Nuts
(8) 5/8" Washers
(2) PVC Spacers

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INSTALLATION INSTRUCTIONS

DOOR CANOPIES

MASONRY APPLICATIONS

Note: *Additional pipe hangers may be required for larger canopies and/or higher wind loads.*

STEP 1: Install Lower Support Bolts

1.a – Center canopy over door. Mark wall at locations where pre-attached canopy rafter angle holes meet wall.

1.b – Drill holes in masonry and install wall anchors sized to accept 5/8" bolts and appropriate design for masonry type.
Note: *Wall anchors by others.*

1.c – Insert 5/8" x 3" bolt with washer through canopy angle and into wall anchor.

STEP 2: Attach Pipe Hangers to Canopy

2.a – Thread 5/8" nut on one end of the pipe hanger rod end, slide on washer and insert into hole on top of canopy rafter to lowest point.

2.b – Secure with 5/8" nuts and washers on underside of rafter.

STEP 3: Attach Pipe Hangers to Wall

3.a – Locate elevation at the point where opposite rod end will penetrate the wall.

3.b – Drill holes in masonry and install wall anchors sized to accept 5/8" bolts and appropriate design for masonry.
Note: *Wall anchors by others.*

3.c – Insert 5/8" x 3.5" thread rod end into wall anchor.

3.d – Attach rod end to pipe hanger with clevis pin.

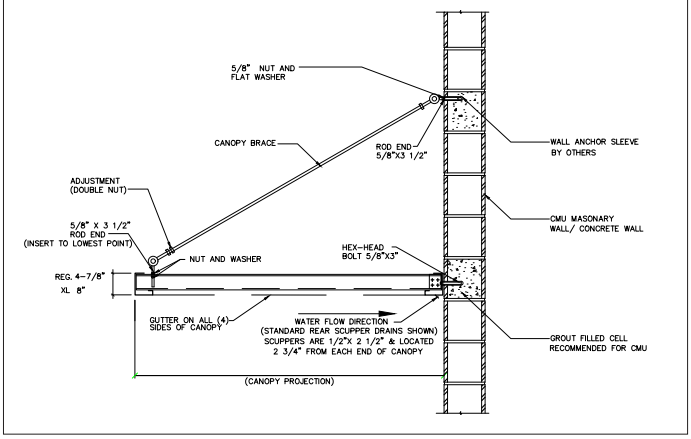
STEP 4: Adjust Pitch of Canopy

4.a – Adjust pipe hanger yoke ends, and/or short rod end at rafter, so the canopy slopes back toward wall 1/2" to 1" (for rear-mounted drains.)

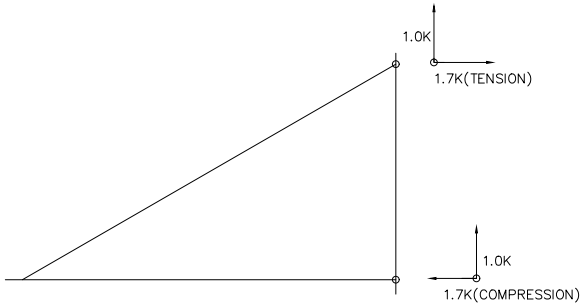
Masonry Wall Install:

(1) Hardware Kit Per Hanger
(1) Pipe Hanger
(2) 3-1/2" X 5/8" Rod Ends
(1) 3" X 5/8" Hex Bolt
(4) 5/8" Nuts
(4) 5/8" Washers

MASONRY WALL INSTALL

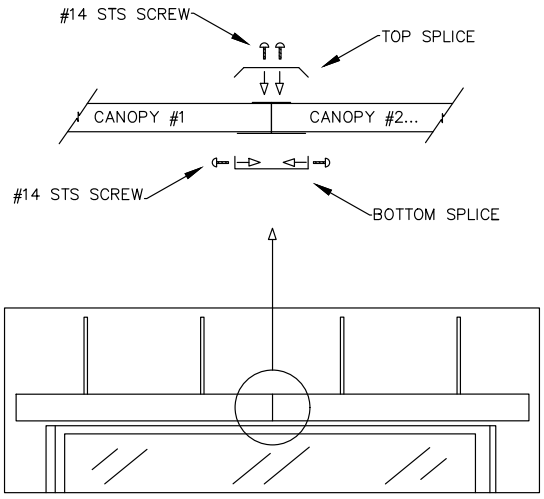


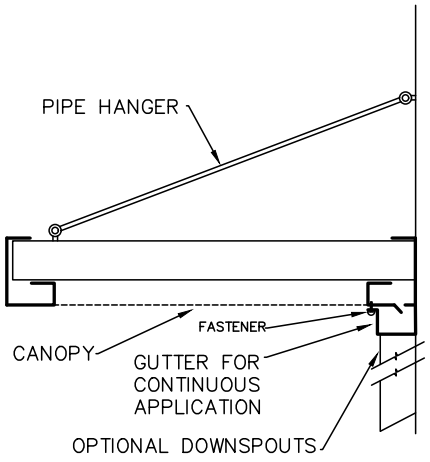
WALL REACTIONS



NOTE:
THE REACTIONS SHOWN ARE FOR SNOW LOAD. FOR WIND LOAD, THE REACTIONS WILL ACT IN THE OPPOSITE DIRECTION.

MULTIPLE CANOPY INSTALLATION





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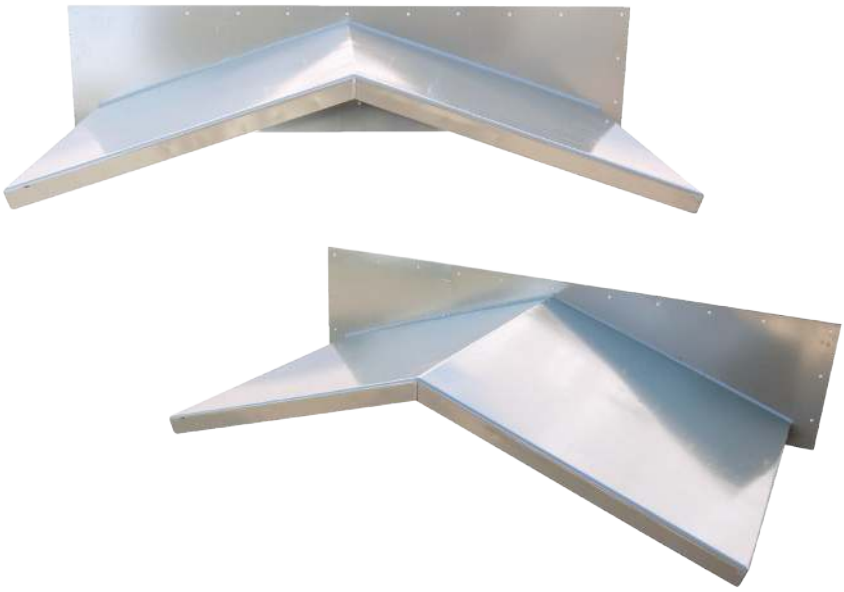

ICE SHIELD CANOPY

Outwit Mother Nature with a Metallic Products ice shield canopy. These gable canopies are engineered specifically for heavy snow and ice areas and provide protection from dangerous eave ice shear.

SPECIFICATIONS

DESIGN SPECIFICATIONS

IBC 2012 & 2015
ASCE 7-10 allowable stress design
*IBC 2018 ASCE 7-16 allowable stress design

5'-6" x 3'-0"	121 psf snow/live load
	135 psf wind uplift
5'-6" x 4'-0"	64 psf snow/live load
	67 psf wind uplift
7'-6" x 3'-0"*	72 psf snow/live load
	106 psf wind uplift
7'-6" x 4'-0"	45 psf snow/live load
	49 psf wind uplift

CONSTRUCTION

Fabricated 10-gauge structural plate. All welded construction.

SIZE

Available in single or double door sizes. Nominal 5'-6" x 3'-0", 5'-6" x 4'-0", 7'-6" x 3'-0" and 7'-6" x 4'-0". *Refer to Technical Specifications for actual dimensions.*

FINISH

- G-90 galvanized
- Powder coated standard metal building colors
- Custom color matching

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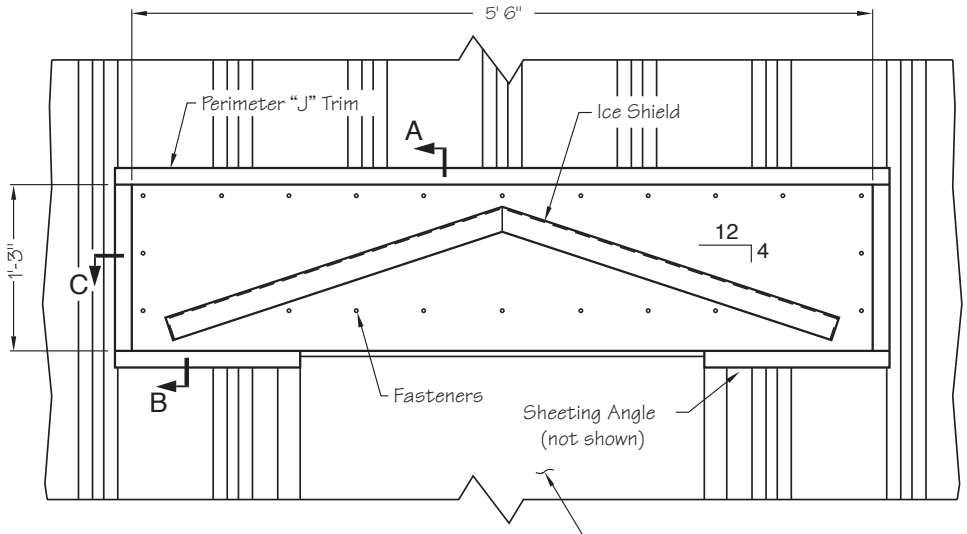
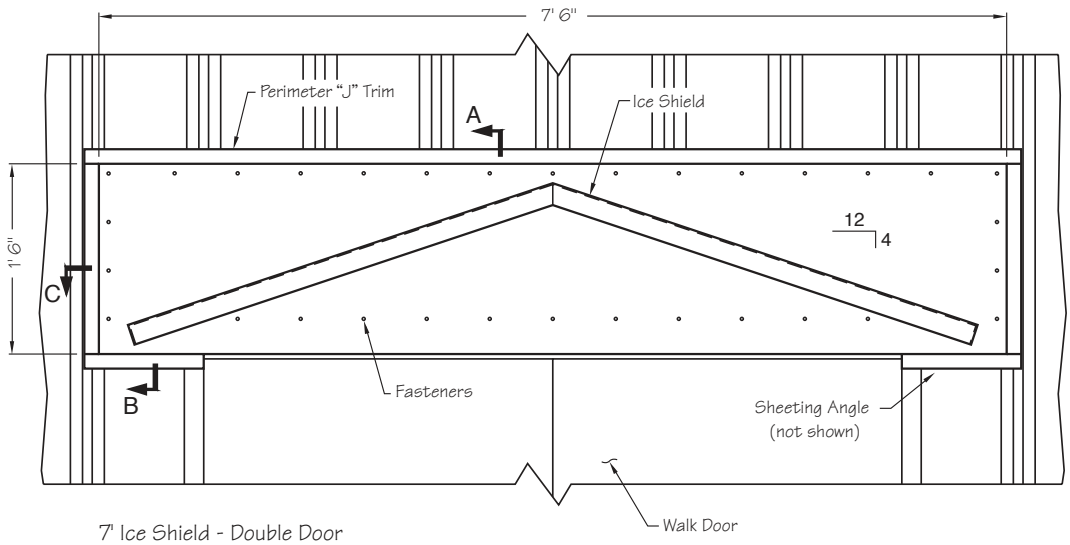
TECHNICAL SPECIFICATIONS



5' Ice Shield - Single Door



7' Ice Shield - Double Door

ICE SHIELD CANOPY KIT COMPONENTS:

- Ice Shield Canopy (10-ga.)
- Perimeter "J" Trim (26-ga.)
- Sheeting Angle (16-ga.)
- Fasteners (#12 x 1 SDS)
- Sealant Caulk (Clear)

Quantities and lengths of components vary based on size required.

SPECIAL CONSIDERATIONS:

Ice shield canopy wall plates are pre-punched for fastening to 16-gauge wall framing at predetermined locations. If the hole edge distance on standard ice shield canopies requires modification to accommodate special framing, please specify when ordering.

These gable canopies are provided with stiffener channels welded to the back side of the wall plate. To accommodate block wall installations, additional mounting holes replace stiffener channels for flat surface mounting. Please note this condition when ordering.

Fasteners for block wall mounting are not provided by Metallic Products.

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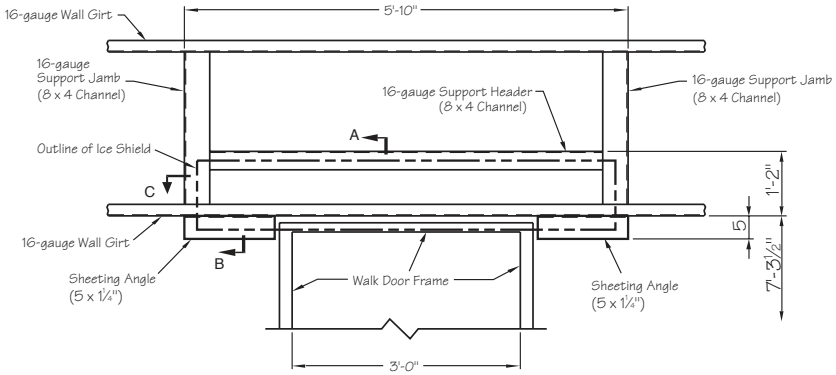
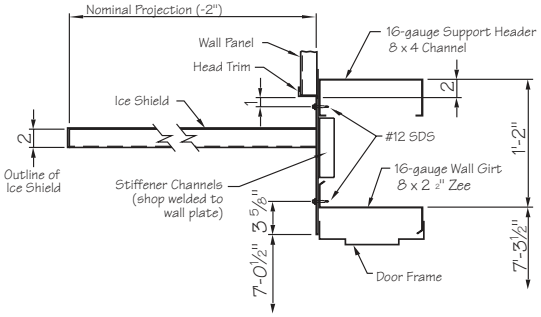
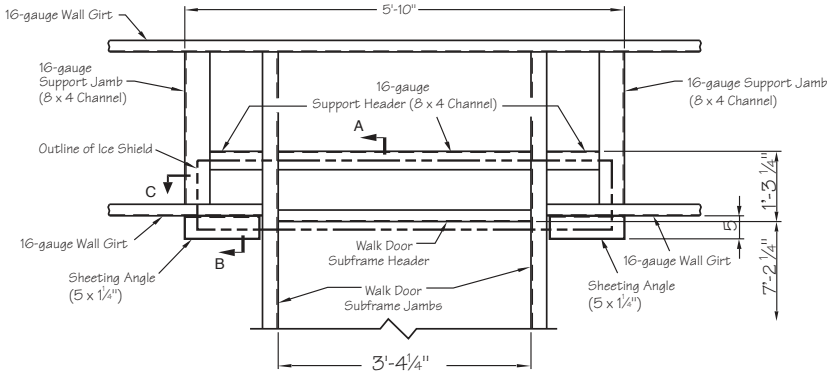
TECHNICAL SPECIFICATIONS — SINGLE DOOR



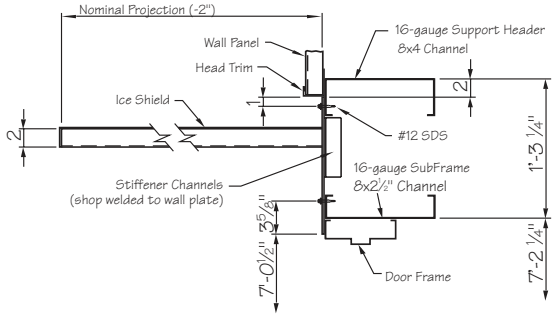
Typical Ice Shield Wall Framing (Single Door)



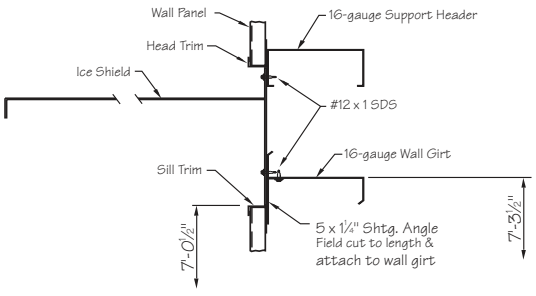
Section - A
Single Door w/o Subframe



Typical Ice Shield Wall Framing (Single Door w/Subframe)

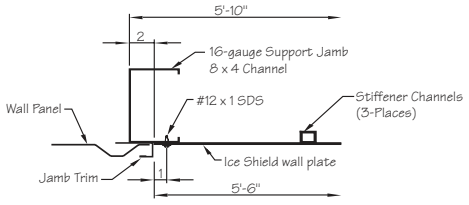


Section - A
Single Door w/o Subframe



Section - B

FRAMING NOTE:
Framing shown is based on industry standards for typical walk door framing on metal buildings. Actual door and wall conditions may vary.



Section - C
Single Door

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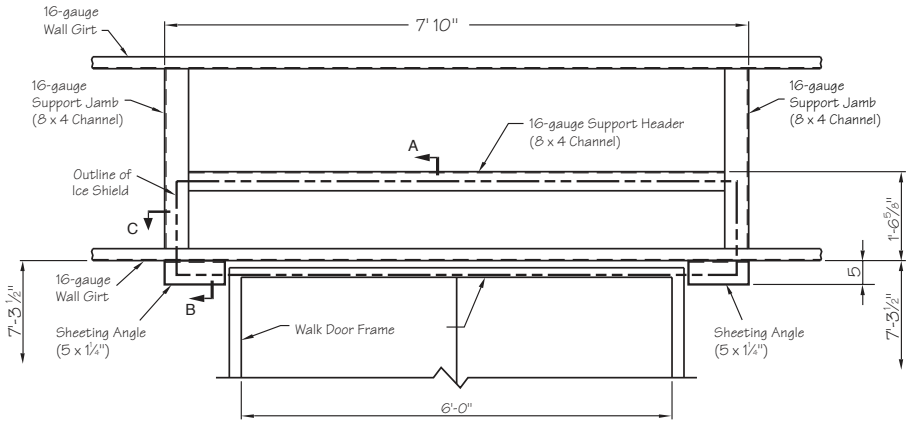
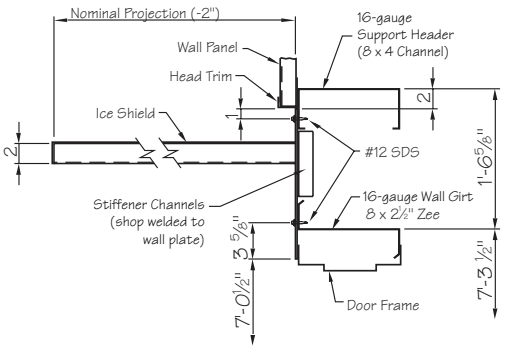
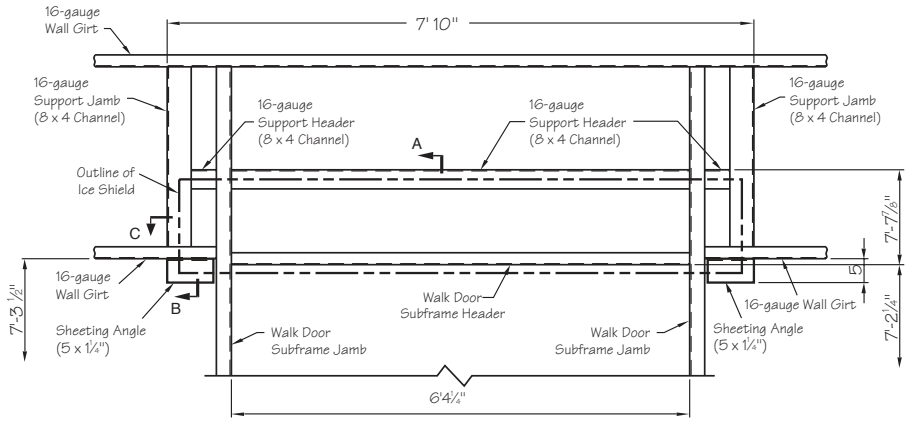
TECHNICAL SPECIFICATIONS — DOUBLE DOOR



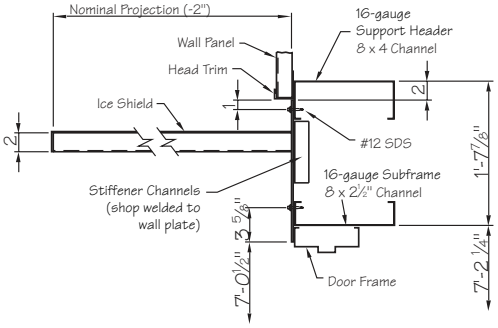
Typical Ice Shield Wall Framing (Double Door)



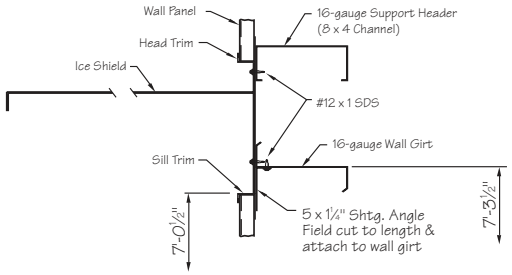
Section - A
Double Door w/o Subframe



Typical Ice Shield Wall Framing (Double Door w/Subframe)

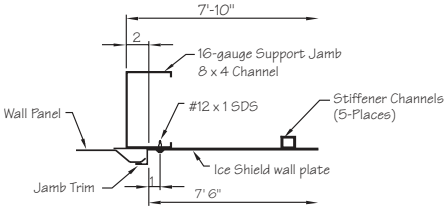


Section - A
Double Door w/Subframe



Section - B

FRAMING NOTE:
Framing shown is based on industry standards for typical walk door framing on metal buildings. Actual door and wall conditions may vary.



Section - C
Double Door

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CORNER CANOPY

Metallic Products' corner canopies keep your metal buildings and the people who frequent them covered. Affordable, eye-pleasing and virtually maintenance-free, they protect against the elements while keeping building systems and budgets in check.

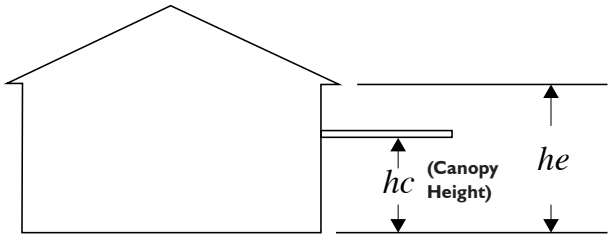
SPECIFICATIONS

IBC 2012, 2015, 2018, 2021 & 2024			
Projection	**Ultimate Wind Speed [Exp. B]**	**Ultimate Wind Speed [Exp. C]**	**Ultimate Pressures (psf)**
3 ft.	241 mph	218 mph	-150 [Uplift]
			125 [Downward]
4 ft.	197 mph	178 mph	-100 [Uplift]
			67 [Downward]
5 ft.	139 mph	126 mph	-50 [Uplift]
			40 [Downward]

Wind loads shown are uniform loads on a corner canopy with 2 braces on each side.

Wind loads calculated per ASCE 7-16 Section 30.11 and ASCE 7-22 Section 30.9-1, using net pressure coefficients on attached canopies considering contributions from upper and lower surfaces.

Topographic factor, Kzt = 1.0
Wind directionality factor, Kd = 0.85
Ground elevation factor, Ke = 1.0
Net pressure coefficient, GCp = -1.4 for Uplift pressure & +0.9 for Downward pressure
Velocity pressure coefficient, Kz = 0.85 for Exposure – B & 1.04 for Exposure – C
Mean building eave height, he:
Max 60' above ground for Exposure – B
Max 40' above ground for Exposure – C



ELEVATION

ENHANCE YOUR CORNER CANOPY WITH A LIGHT KIT!

Contact Metallic Products for kits and installation instructions.

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SPECIFICATIONS (CONT'D)

SNOW LOAD (***Note:*** *On the canopy, not the ground snow*)	3' Projection — Max = 75 psf
	4' Projection — Max = 40 psf
	5' Projection — Max = 24 psf

Snow loads shown are uniform loads on a corner canopy with 2 braces on each side. Snow loads shall be determined by engineer utilizing applicable codes and project-specific design criteria.

CONSTRUCTION

- Economical and attractive overhead protection from the elements
- 24-gauge flat soffit and integral gutter with rear-mounted drains
- 16-gauge galvanized internal frame for 3' and 4' projections, and 14-gauge galvanized internal frame for 5' projection
- 5/8" dia. rod end 4140 hot rolled annealed (HRA) [F.y = 125 ksi]
- 16-gauge telescoping support channels mount behind wall panel between girts, mounting clips and fasteners included
- 3/4" dia. galvanized pipe hangers with adjustable rod ends

SIZES

- For 3' projection, 36" wide at the building side and 72" wide at the overhang
- For 4' projection, 36" wide at the building side and 84" wide at the overhang
- For 5' projection, 36" wide at the building side and 96" wide at the overhang

FINISHES

- Galvalume steel
- Silicone polyester, Kynar® and powder coated finish options available in a wide range of colors
- Custom color matching
- Single color or two tone (contrasting gutter/ fascia and soffit)

OPTIONS

- Masonry mount (anchors by others)
- Downspouts
- Front mounted drains
- Light Kit (see Lighted Door Canopies)

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INSTALLATION INSTRUCTIONS

CORNER CANOPY

METAL PANEL APPLICATIONS

STEP 1: Install Vertical Support Columns

Note: *Install vertical support columns to girt framing. (Girt spacing max 6'0")*

1.a – Determine desired height of canopy above building girt. Align short edge of canopy with the corner of the building. Drill 11/16" holes through pre-drilled canopy angle holes. (These holes are aligned with the center of the zee rafter holes used for the pipe hangers at the wall attachment angle of the canopy.)

1.b – Align centerline of support columns with 11/16" holes drilled in step 1.a centerline of zee rafters on canopy between girts. Make sure support columns are perpendicular to top and bottom girt. Attach mounting clips to each end of telescoping support columns with (4) #12 SDS per clip. Slide adjust columns to proper length in order to fit between girts (6' maximum). Mark hole locations for mounting clip on bottom girt. Install mounting clip brace to bottom girt with (4) #12 SDS per brace. Place mounting clip over installed brace and secure columns to girts with (4) #12 SDS per clip. Install (2) #12 SDS in the web and (1) in each flange at top and bottom of overlap in channels.

STEP 2: Install Lower Support Bolts

2.a – Match drill through previously drilled holes in wall panel through centerline of support columns.

2.b – With canopy repositioned and matching holes in canopy and wall panel aligned, attach canopy to wall panel and support column using 5/8" x 7" bolt with washer. (If hole penetrates the high rib of the panel, use PVC spacer and washer between wall panel and support column.) ***Note:*** *Before tightening bolts, apply sealant at penetration points.*

STEP 3: Attach Pipe Hangers to Canopy

3.a – Thread 5/8" nut on the short rod end, slide on 5/8" washer and insert into hole on top of the two outside canopy rafters to lowest point. Secure with 5/8" nuts and washers on underside of rafter. (Typical for each pipe hanger.)

STEP 4: Attach Pipe Hangers to Wall

4.a – Locate the elevation at the point where the long rod end and pipe hanger assembly will penetrate the wall. (Longer pipe hanger will attach at mitered corner of canopy to short rafter and angle back to corner of building.) Drill 11/16" hole through panel and support columns. Thread 5/8" nut on long rod end and slide on 5/8" washer. Insert long rod through wall panel, 5/8" washer and support columns. Secure at support column with 5/8" nuts and washers.

Note: *Before tightening bolts, apply sealant at penetration points.*

STEP 5: Repeat Steps 1 – 4 on Other Corner Canopy

STEP 6: Install Bracing on Vertical Support Columns

6.a – Place cee member directly above the long rod end connection on the vertical support column. Install onto vertical support columns with (2) #12 SDS each end.

6.b – Place x-bracing across vertical support columns with the bottom of the x-brace directly above the lower support bolt and the top directly underneath the long rod end connection. Install onto vertical support columns with (3) #12 SDS each end.

6.c – Install (1) #12 SDS into lap of x-bracing.

STEP 7: Adjust Pitch of Canopy

7.a – Adjust pipe hanger yoke ends so the canopy slopes back toward wall 1/2" to 1" (for rear-mounted drains).

Metal Wall Install:

(One hardware kit per hanger)
(1) Pipe Hanger
(1) 3-1/2" x 5/8" Rod End
(1) 10" x 5/8" Rod End
(1) 2pc Telescoping Channel
(2) 12ga Channel Clips
(1) 12ga Channel Clip Brace
(28) #12 x 3/4" SDS Screws
(1) 7" x 5/8" Hex Bolt
(5) 5/8" Nuts
(8) 5/8" Washers
(2) PVC Spacers

Brace Install:

(One set per side)
(2) X-Braces
(1) Cee Member
(17) #12 x 3/4" SDS Screws

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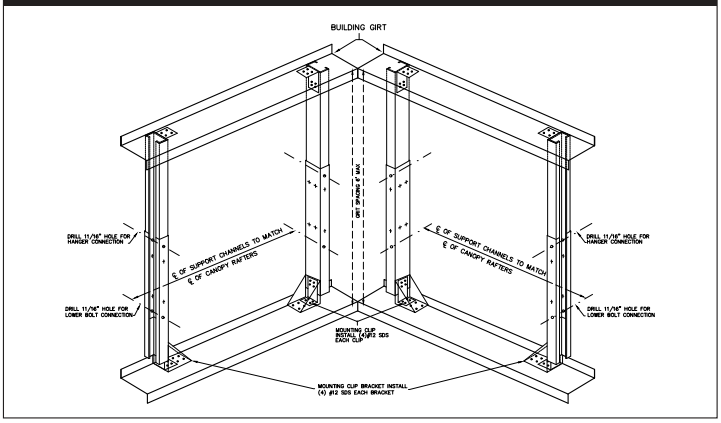
INSTALLATION INSTRUCTIONS

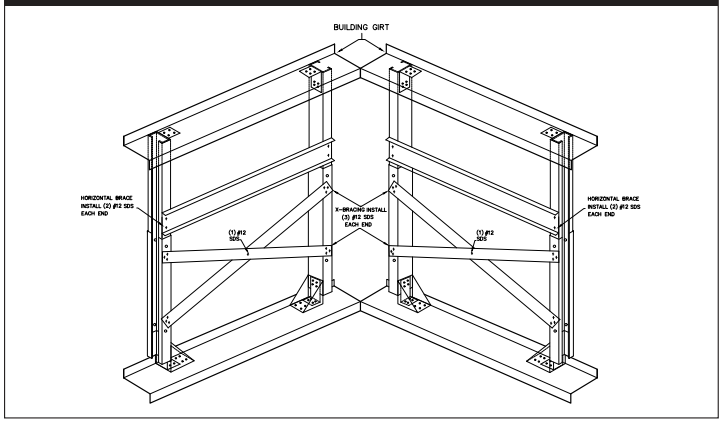
CORNER CANOPY

METAL PANEL APPLICATIONS (cont'd)

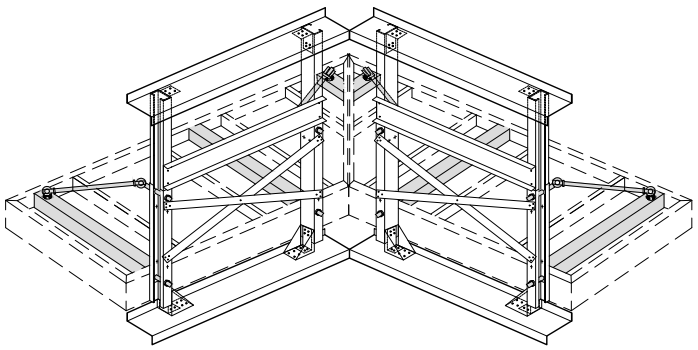
CORNER CANOPY CHANNEL INSTALL



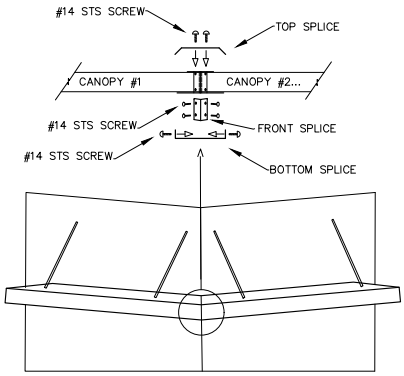
CORNER CANOPY BRACE INSTALL



CORNER CANOPY METAL INSTALL (WITH CANOPY)



CORNER CANOPY SPLICE INSTRUCTION



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INSTALLATION INSTRUCTIONS

CORNER CANOPY

MASONRY APPLICATIONS

STEP 1: Install Lower Support Bolts

1.a – Determine desired height of canopy and align short edge of canopy with the corner of the building. Mark well at locations where pre-attached canopy rafter angle holes meet wall.

1.b – Drill holes in masonry and install wall anchors sized to accept 5/8" bolts and appropriate design for masonry type.
Note: *Wall anchors by others.*

1.c – Insert 5/8" x 3" bolt with washer through canopy angle and into wall anchor.

STEP 2: Attach Pipe Hangers to Canopy

2.a – Thread 5/8" nut on one end of the pipe hanger rod end, slide on 5/8" washer and insert into hole on top of the rafter to lowest point.

2.b – Secure with 5/8" nuts and washers on underside of rafter.

STEP 3: Attach Pipe Hangers to Wall

3.a – Locate elevation at the point where opposite rod end will penetrate the wall. (Longer pipe hanger will attach at mitered corner of canopy to short rafter and angle back to corner of building.)

3.b – Drill holes in masonry and install wall anchors sized to accept 5/8" bolts and appropriate design for masonry. ***Note:*** *Wall anchors by others.*

3.c – Insert 5/8" x 3.5" threaded rod end into wall anchor.

3.d – Attach rod end to pipe hanger with clevis pin.

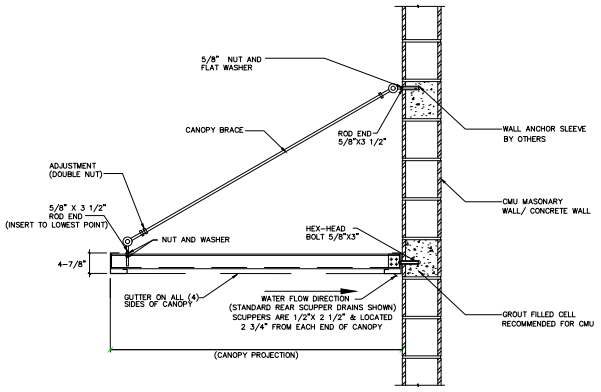
STEP 4: Repeat Steps 1 – 3 on Other Corner Canopy

STEP 5: Adjust Pitch of Canopy

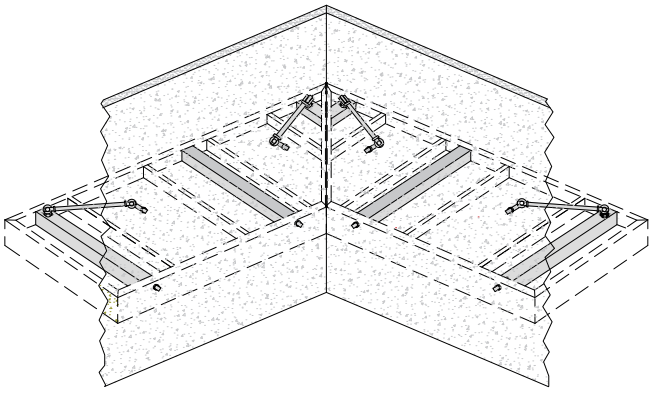
5.a – Adjust pipe hanger yoke ends so the canopy slopes back toward wall 1/2" to 1" (for rear-mounted drains).

Metal Wall Install:
(One hardware kit per hanger)
(1) Pipe hanger
(2) 3-1/2" x 5/8" Rod Ends
(1) 3" x 5/8" Hex Bolt
(4) 5/8" Nuts
(4) 5/8" Washers

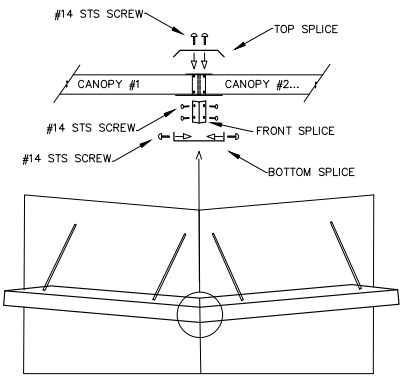
CANOPY MASONRY WALL INSTALL



CORNER CANOPY MASONRY INSTALL (WITH CANOPY)



CORNER CANOPY SPLICE INSTRUCTION



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ROOF CURBS

Metallic Products' curbs are always one step ahead of the competition. Our curbs provide a level mounting surface for mechanical equipment to insure their long life, and additionally provide weather tightness by utilizing the curbs integral flange to mesh with the roof panels. Curbs can mesh with any metal roof panel and are made to match specified roof pitch, either single slope or ridge mounted. All curbs include crickets to divert water around the curb.

SPECIFICATIONS

CONSTRUCTION

Rugged, 16-gauge Galvanized steel constructions. Corners are mitered and welded water-tight using a siliconized bronze wire for a long lasting and non-corrosive finish. Welds are finished with a protective zinc primer. FSK faced rigid board insulation is optional.

DESIGN

Curbs are made to match any roof slope and can be either ridge or single slope mounted. Curb corrugations match virtually any available roof configuration and can be factory welded into curb skirts or shipped loose for field installation.

Curbs can also be constructed utilizing a two-piece design with a separate under-panel diverter to achieve shingling effect without the need to cut into roof panels.

FINISH

Painted to match most metal buildings after fabrication.

NOTE

When ordering, please indicate size, roof panel type, if insulated, if painted, and roof slope.

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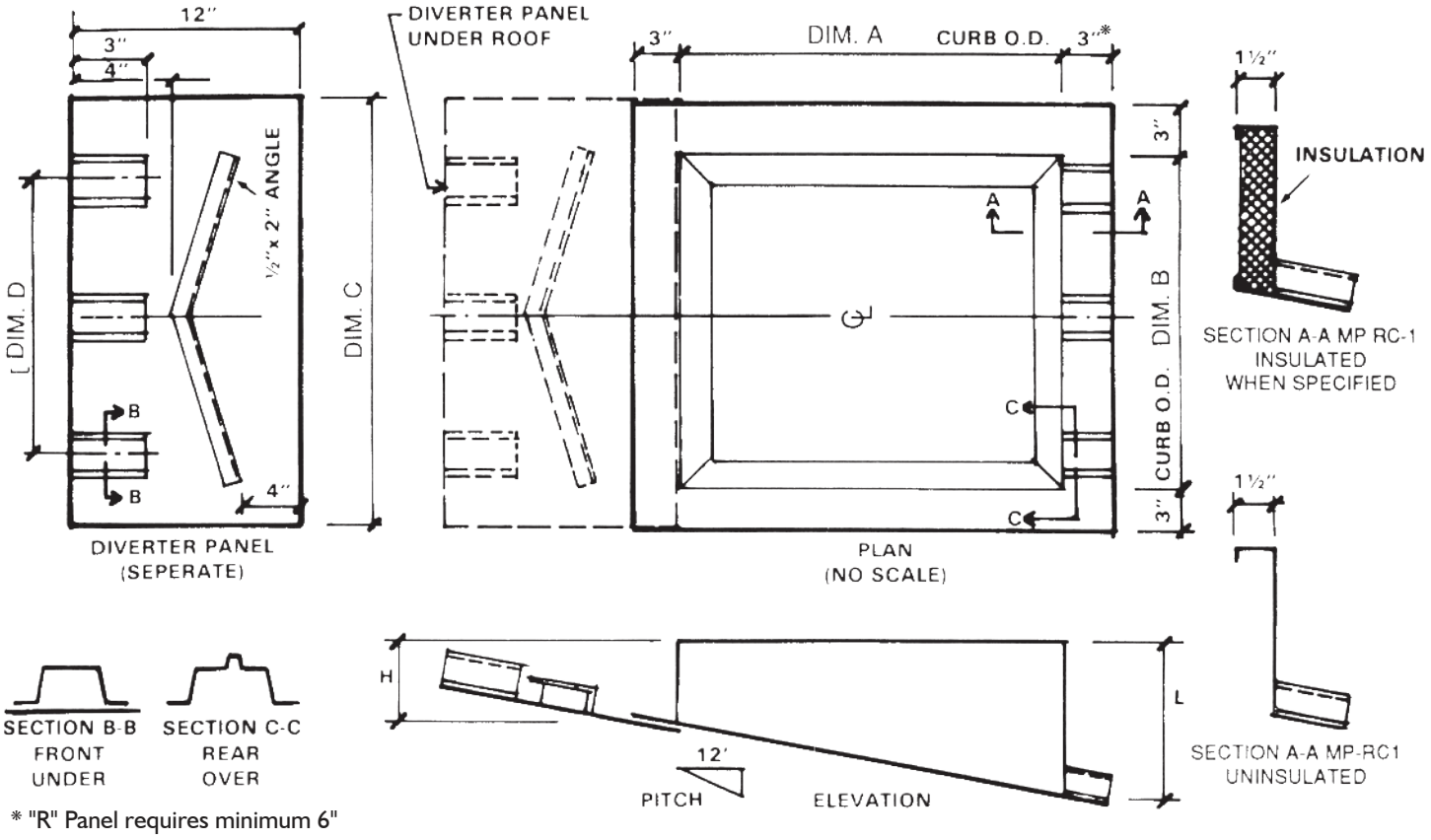
MP-RC1 ROOF CURB SPECS

SLOPE MOUNT, TWO PIECE CONSTRUCTION (FIELD LOCATED)



* "R" Panel requires minimum 6"

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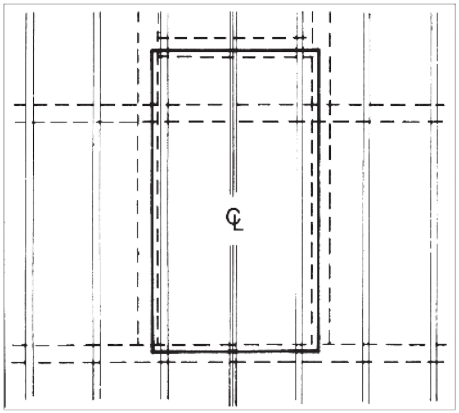
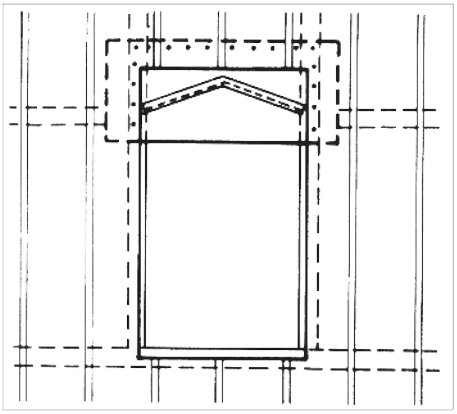
MP-RC1: INSTALL INSTRUCTIONS

SLOPE MOUNT, TWO PIECE CONSTRUCTION (FIELD LOCATED)



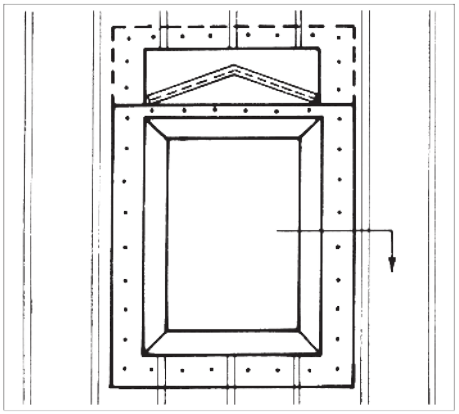


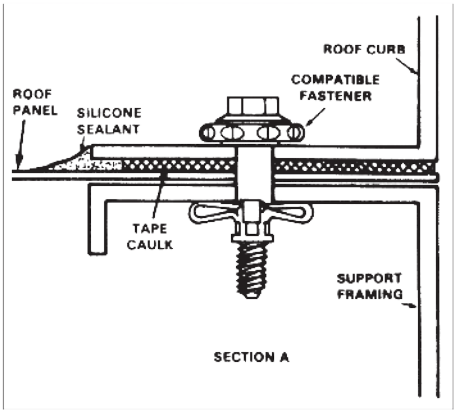
A

1. Using curb ribs as a guide, layout and mark roof openings on completed roof deck as outside curb width by outside curb length plus 9" for diverter plate.
2. Cut openings in roof panel and install support framing for roof curb and equipment loads. Support at least two parallel curb walls. Avoid cantilever sections over 1' in length.

B

3. Apply wide tape caulk to diverter plate top sides and upper edge.
4. Align diverter plate ribs with roof deck ribs and slide diverter plate beneath roof panel.
5. Fasten diverter plate to roof panel and sub-framing using suitable fasteners compatible with roof system. Aminimum of four fasteners per side spaced on 3" centers or less as roof system permits. Fasteners should withstand a minimum pullout force of 150# each.





C

6. Apply continuous tape caulk at least 2-1/2" wide around remaining roof opening.
7. Position curb so that corrugation on curb flanges mate on top of corresponding corrugations of roof panel on eave side of opening.
8. Fasten curb to roof panel and diverter plate in accordance with step 5.

D

9. Inspect all joints and fasteners in curb flanges. Caulk diverter plate and roof curb flanges to seal out moisture.
10. Apply a closed cell neoprene strip to top rail of roof curb before setting a rooftop unit. Equipment should be fastened directly to curb wall using compatible fasteners.

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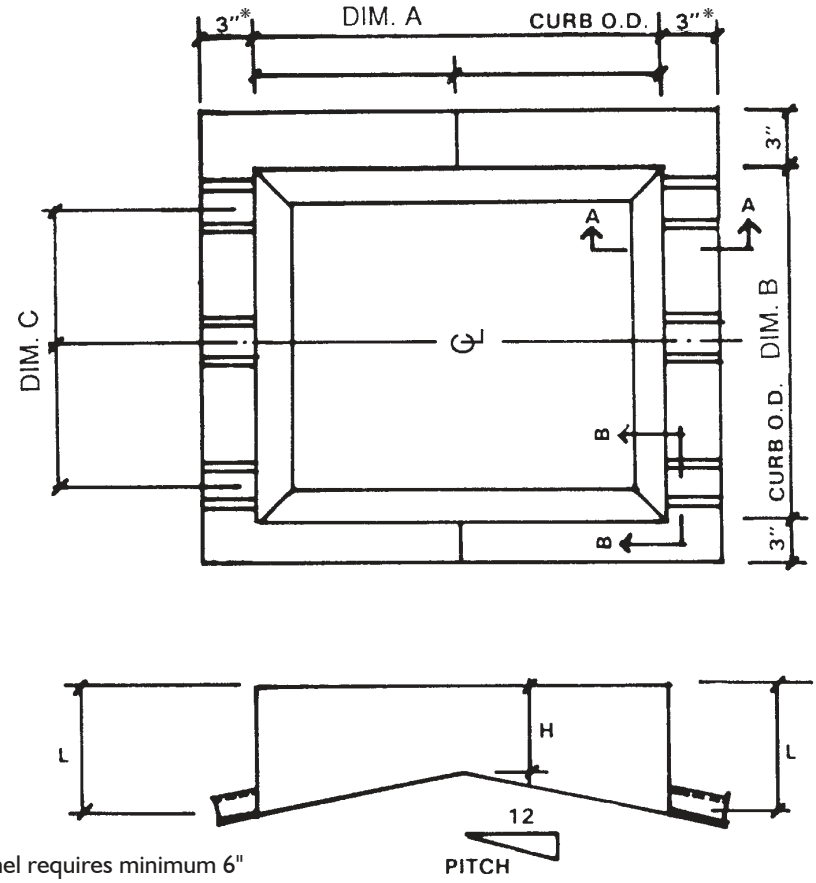
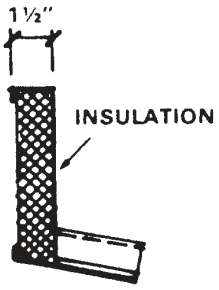
MP-RC2 ROOF CURB SPECS

RIDGE MOUNT (FACTORY INSTALLED CORRUGATION)



* "R" Panel requires minimum 6"



SECTION A-A MP-RC2
INSULATED WHEN SPECIFIED

SECTION A-A MP-RC2
UNINSULATED

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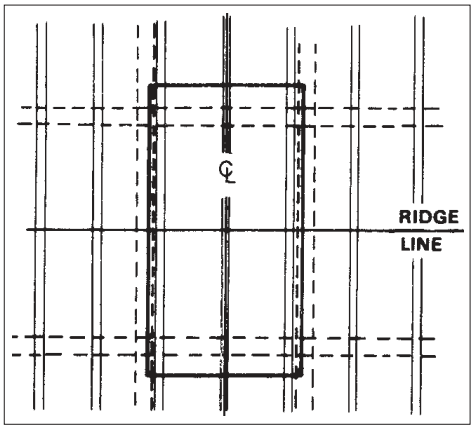
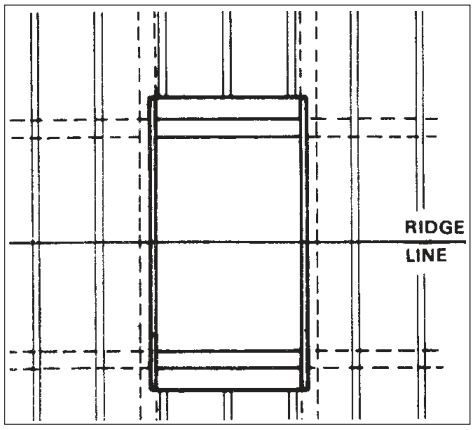
MP-RC2: INSTALL INSTRUCTIONS

RIDGE MOUNT (FACTORY INSTALLED CORRUGATION)



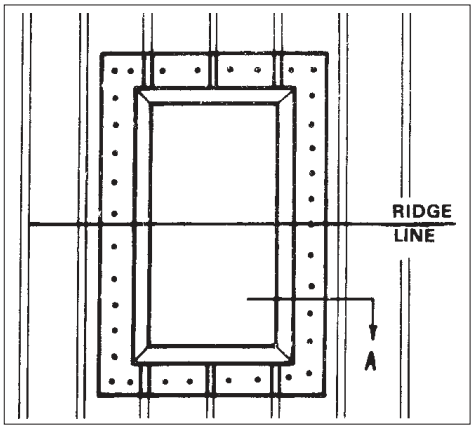


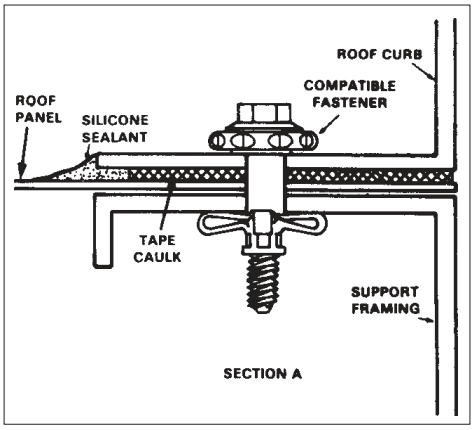
A

1. On fully sheeted roof, locate and mark center line of roof opening on ridge.
2. Using distance from center line to major ribs as a guide, layout and mark roof opening to curb inside dimensions.

B

3. Cut out roof opening to I.D. of curb, plus an additional 1-1/2" of the major ribs on the eave sides of the opening to allow the curb to seal to flat of roof deck.
4. Install structural support framing for roof curb and equipment loads beneath roof curb and equipment loads beneath roof curb walls and flanges around opening. Keep I.D. clear.





C

5. Turn roof curb upside down and apply tape caulk to curb flanges.
6. Press the curb in place on the roof deck. Fasten curb to support steel through curb flange and roof deck using suitable fasteners compatible\with roof system. A minimum of four fasteners per side spaced on 3" centers or less as roof system permits. Fasteners should withstand a minimum pullout force of 150# each.

D

7. Seal edge of roof curb flange with silicone caulk to assure watertight weather seal.
8. Apply a closed cell neoprene strip to top rail of roof curb before setting a rooftop unit. Equipment should be fastened directly to curb wall using compatible fasteners.

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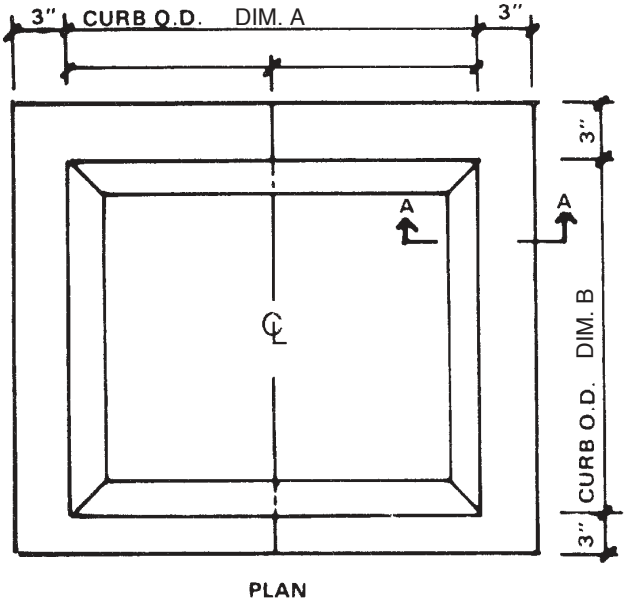
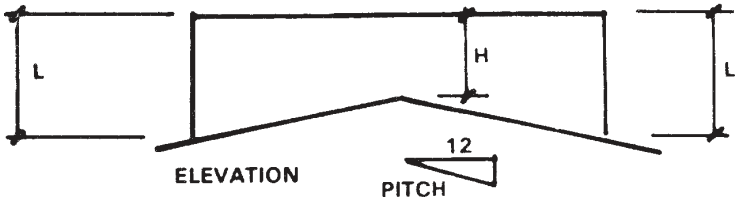
MP-RC3 ROOF CURB SPECS

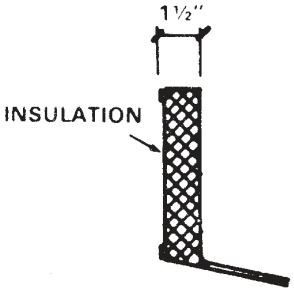
RIDGE MOUNT (NO CORRUGATION)



PLAN



ELEVATION PITCH



SECTION A-A MP-RC3
INSULATED WHEN SPECIFIED

SECTION A-A MP-RC3
UNINSULATED

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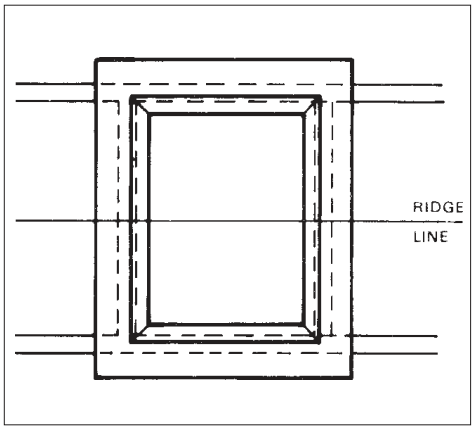
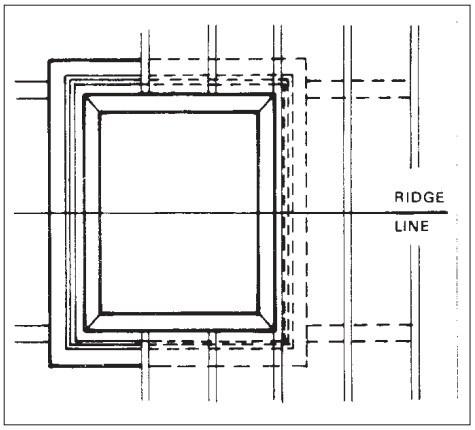
MP-RC3: INSTALL INSTRUCTIONS

RIDGE MOUNT (NO CORRUGATION)

(To be installed beneath roof deck)



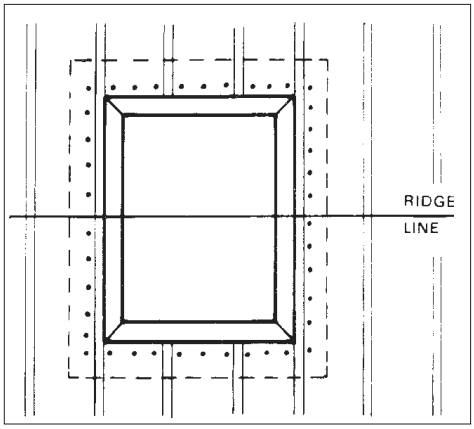


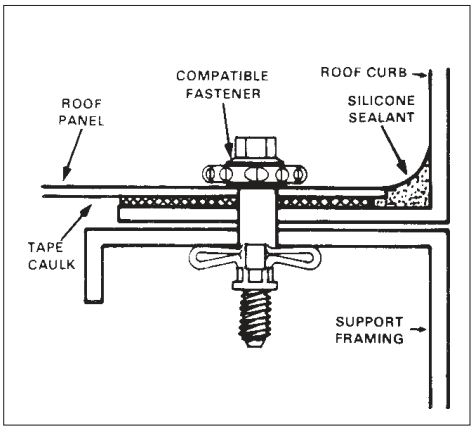
A

1. After building framing is complete, locate roof opening and install support framing for roof curb and equipment loads.
2. Set and secure roof curb in place on support framing. At least two parallel curb walls must be on support framing. Loads shall not be supported by a cantilever section exceeding 1' in length.

B

3. Cut roof panels to fit snugly around curb walls.
4. Apply a wide band of tape caulk to top side of curb flanges.
5. Install and seal closure strips as required. Press roof panels into position.





C

6. Fasten roof panel through curb flanges to support steel using suitable fasteners compatible with roof system. A minimum of four fasteners per side spaced on 3" centers or less as roof system permits. Fasteners should withstand a minimum pullout force of 150# each.

D

7. Inspect installation and fasteners. Apply silicone sealant to seal seams around all sides of curb to assure a watertight seal.
8. Apply a closed cell neoprene strip to top rail of roof curb before setting a rooftop unit. Equipment should be fastened directly to curb wall using compatible fasteners.

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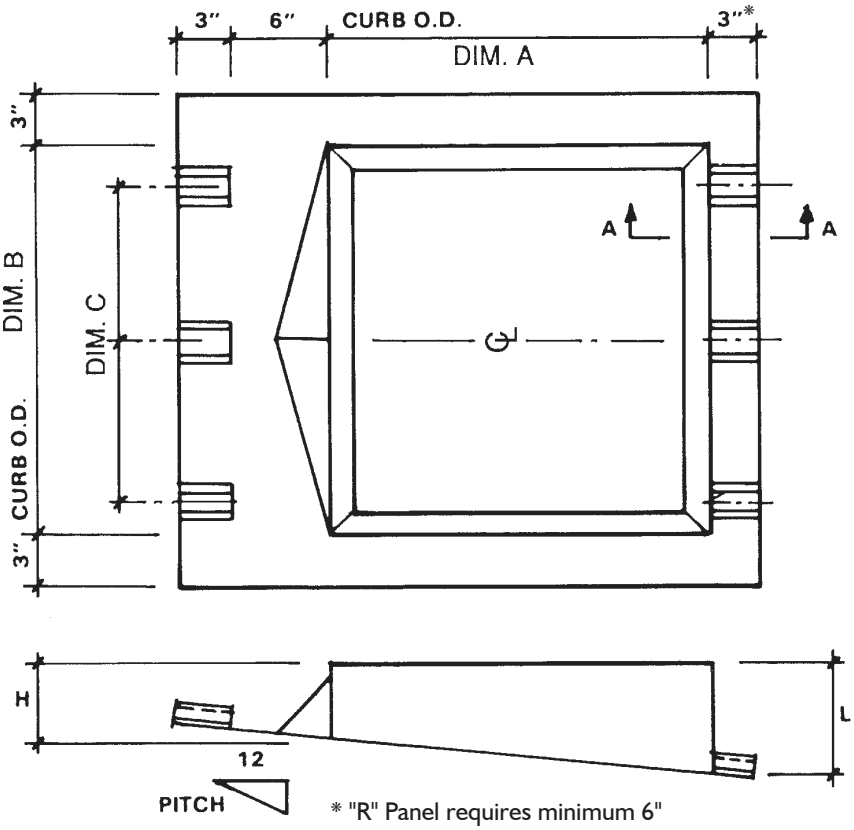
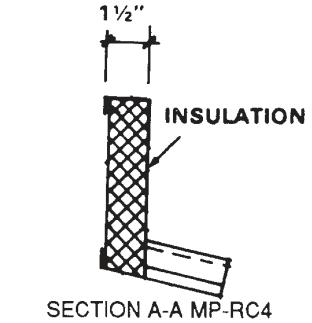
MP-RC4 ROOF CURB SPECS

SLOPE MOUNT, SHOP LOCATED (FACTORY INSTALLED CORRUGATION)

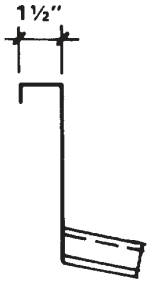
FRONT & REAR FLANGES OVER ROOF PANEL



* "R" Panel requires minimum 6"



SECTION A-A MP-RC4
INSULATED WHEN SPECIFIED



SECTION A-A MP-RC4
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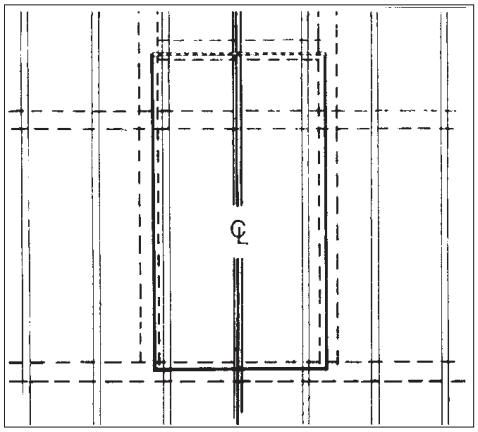
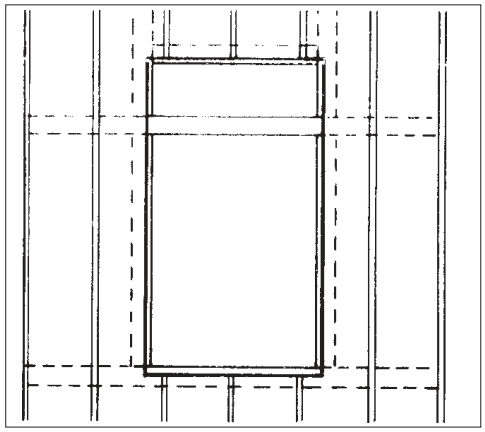
MP-RC4: INSTALL INSTRUCTIONS

FOR INSTALLATION OVER ROOF PANELS



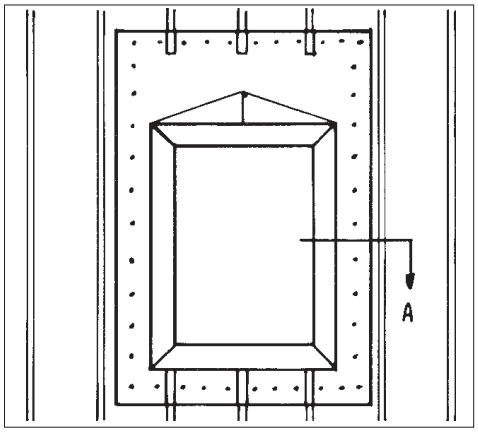
A 1. On fully sheeted roof, locate and mark center line of roof opening.

2. Using distance from center line to major ribs as guide, layout and mark roof opening to curb outside dimensions.



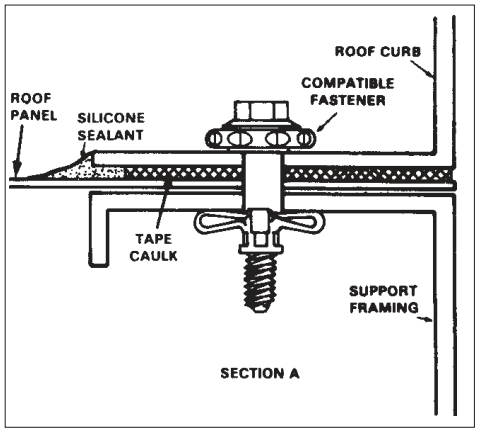
B 3. Cut out roof opening to O.D. of curb, plus an additional 6" of the major ribs on the ridge side of the opening to allow the curb's water diverter area to seal to flat of roof deck.

4. Install structural support framing for roof curb and equipment loads beneath roof curb walls and flanges around opening. Keep I.D. clear.



C 5. Turn roof curb upside down and apply tape caulk to curb flanges.

6. Press the curb in place on the roof deck. Fasten curb to support steel through curb flange and roof deck using suitable fasteners compatible with roof system. A minimum of four fasteners per side spaced on 3" centers or less as roof system permits. Fasteners should withstand a minimum pullout force of 150# each.



D 7. Seal edge of roof curb flange with silicone caulk to assure watertight weather seal.

8. Apply a closed cell neoprene strip to top rail of roof curb before setting a rooftop unit. Equipment should be fastened directly to curb wall using compatible fasteners.

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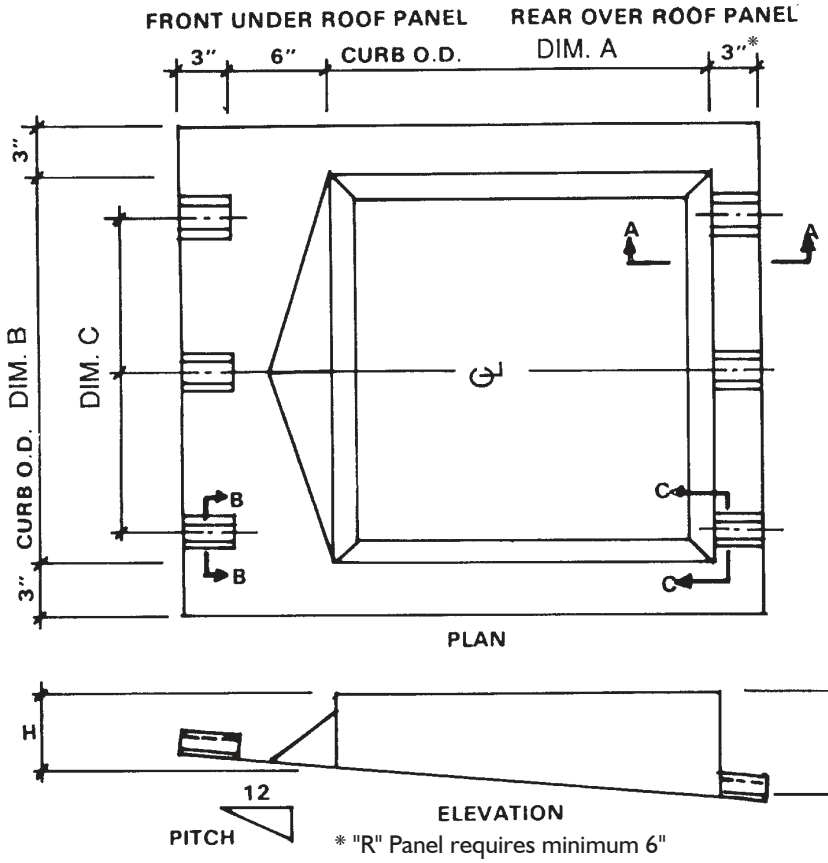
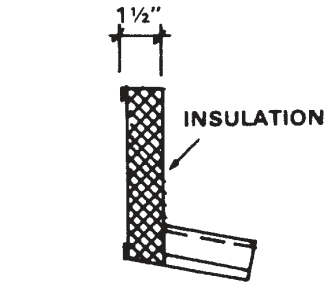
MP-RC5 ROOF CURB SPECS

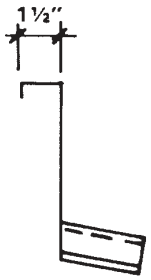
SLOPE MOUNT, ONE PIECE
(SHINGLE TYPE, FACTORY INSTALLED CORRUGATION)



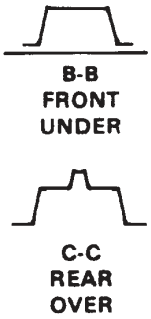
* "R" Panel requires minimum 6"



SECTION A-A MP-RC5
INSULATED WHEN SPECIFIED



SECTION A-A MP-RC5
UNINSULATED



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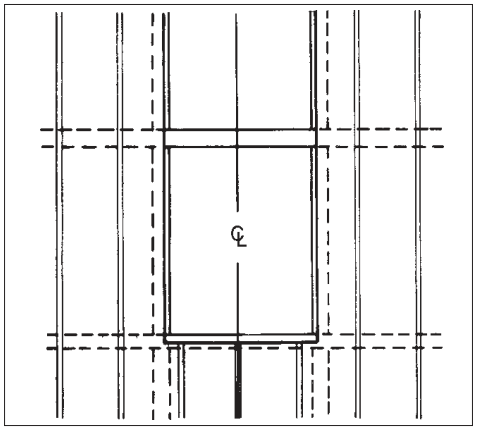
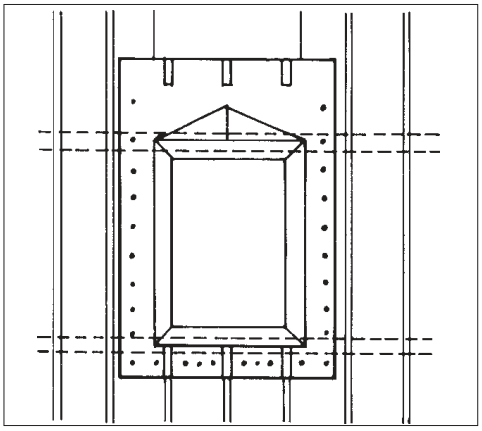
MP-RC5: INSTALL INSTRUCTIONS

ONE PIECE CONSTRUCTION

(Must be installed as deck is being laid)



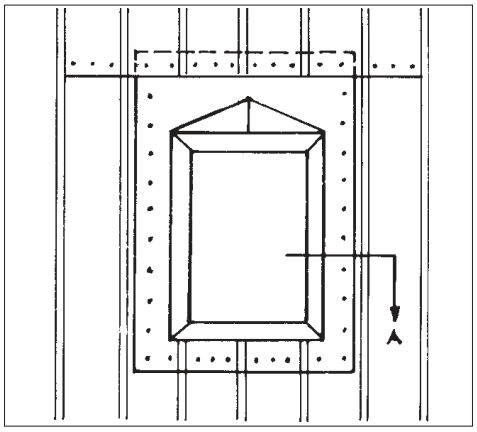


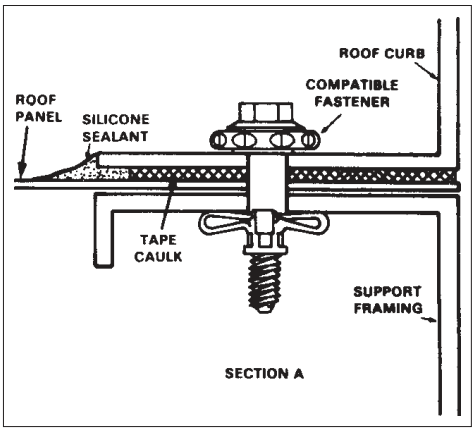
A

1. As roof sheets are being installed, locate roof curb opening and install support framing for roof curb and equipment loads. Support at least two parallel curb walls. Avoid cantilever sections over 1' in length.
2. Trim and install panels on the left, right and below (eave side) of roof opening. Take care to keep area of curb I.D. clear.
3. Apply tape caulk to roof deck around roof opening, 2" from edge of opening.

B

4. Set curb in place and press flanges into mastic. Curb should be secured through roof deck to sub-framing using suitable fasteners compatible with roof system. A minimum of four fasteners per side spaced on 3" centers or less as roof system permits. Fasteners should withstand a minimum pullout force of 150# each.





C

5. Apply sealant tape to leading edge of curb flange and press ridge side roof panels into position over flange and corrugation closure ribs. Seam roof panels and secure through curb flange into support steel as in step 4. Seal end of corrugation to pre-formed metal rib to prevent capillary action of moisture.

D

6. Check tightness of fasteners and curb installation, caulk perimeter edge of curb and flanges of roof panel to seal moisture out.
7. Apply a closed cell neoprene strip to top rail of roof curb before setting a rooftop unit. Equipment should be fastened directly to curb wall using compatible fasteners.

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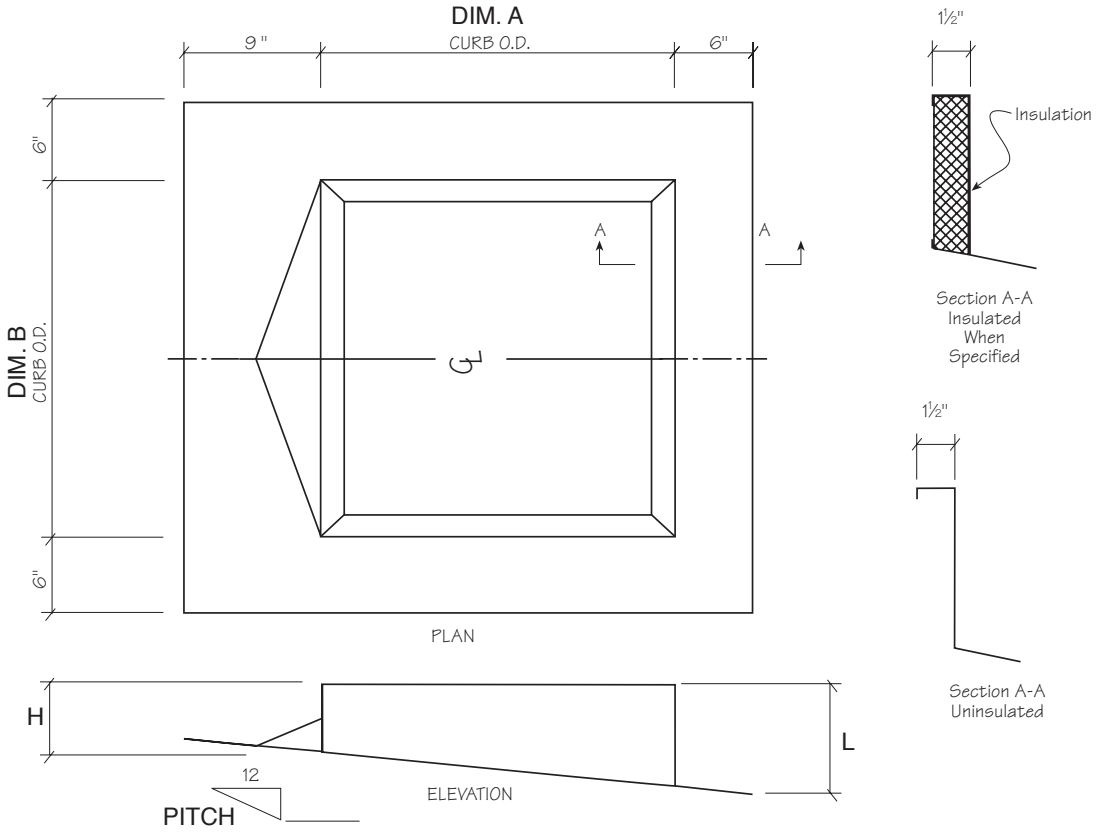
MP-RC6 ROOF CURB SPECS

SLOPE MOUNT
(RIBS SHIPPED LOOSE FOR FIELD INSTALLATION)



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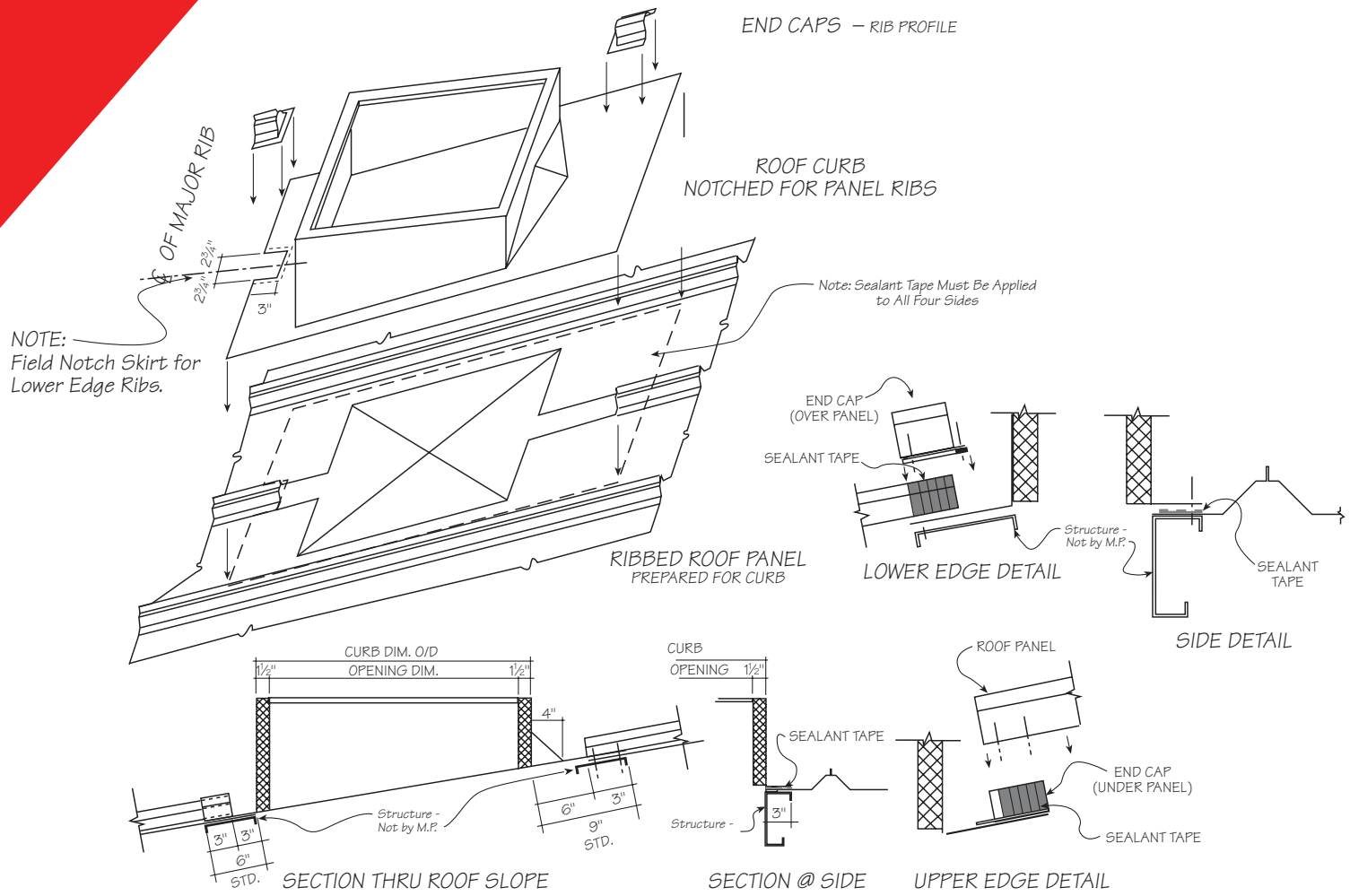
MP-RC6: INSTALL INSTRUCTIONS

SLOPE MOUNT ROOF CURB



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ROOF ACCESS HATCHES

Ensure safe roof access with the Metallic Products roof access hatch. Designed with a built-in curb, the roof access hatch is built to match any roof slope and panel configuration.

SPECIFICATIONS

STANDARD SIZES

LADDER ACCESS	2'6" x 3'0"
SHIP STAIR ACCESS	2'6" x 4'6"
SERVICE STAIR ACCESS	2'6" x 8'0"

DESIGN

The roof access hatch can be manufactured to open in any specified direction, featuring a gas-charged opening device and automatic hold-open latch.

SECURITY

Roof access hatch can be locked from the inside and outside.

CONSTRUCTION

Rugged, 16-gauge Galvanized steel construction. Corners are mitered and welded water tight using a siliconized bronze wire for a long lasting and non-corrosive finish. Welds are finished with a protective zinc primer. FSK faced rigid board insulation is optional.

FINISH

Long-lasting, heat-fused electrostatic powder factory applied to match most architectural colors.

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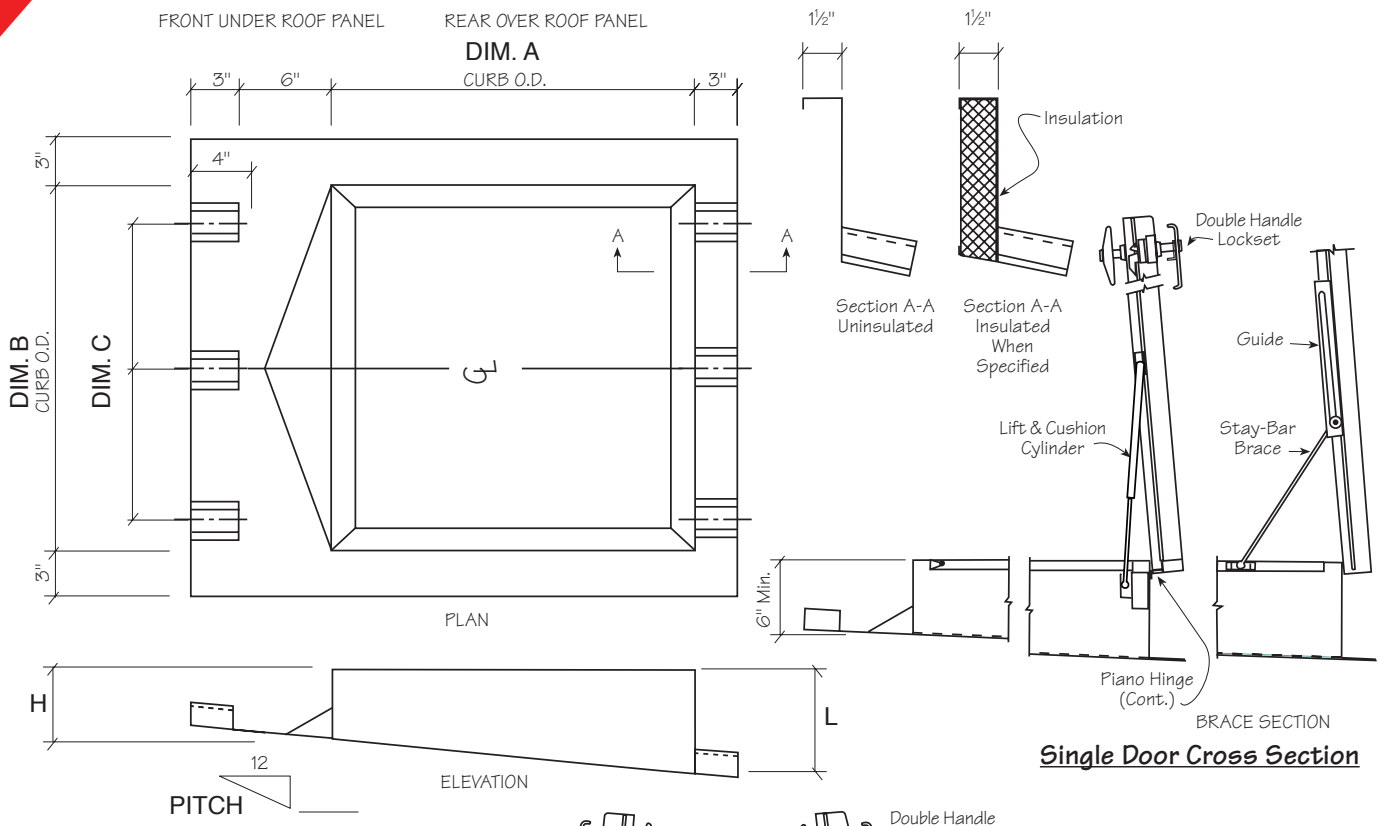
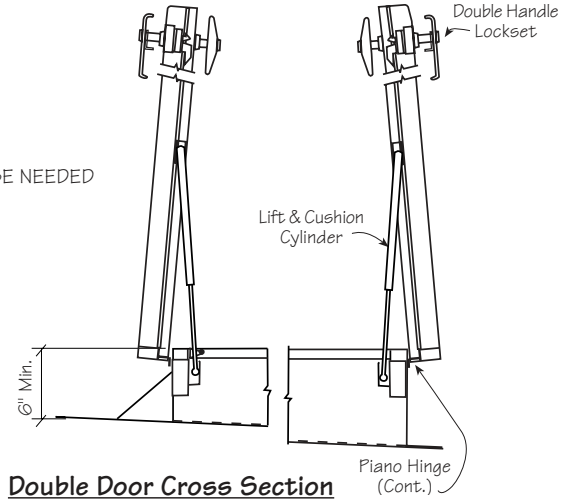
TECHNICAL SPECIFICATIONS



Single Door Cross Section

DOUBLE DOOR MAY BE NEEDED
DEPENDING ON SIZE



Double Door Cross Section

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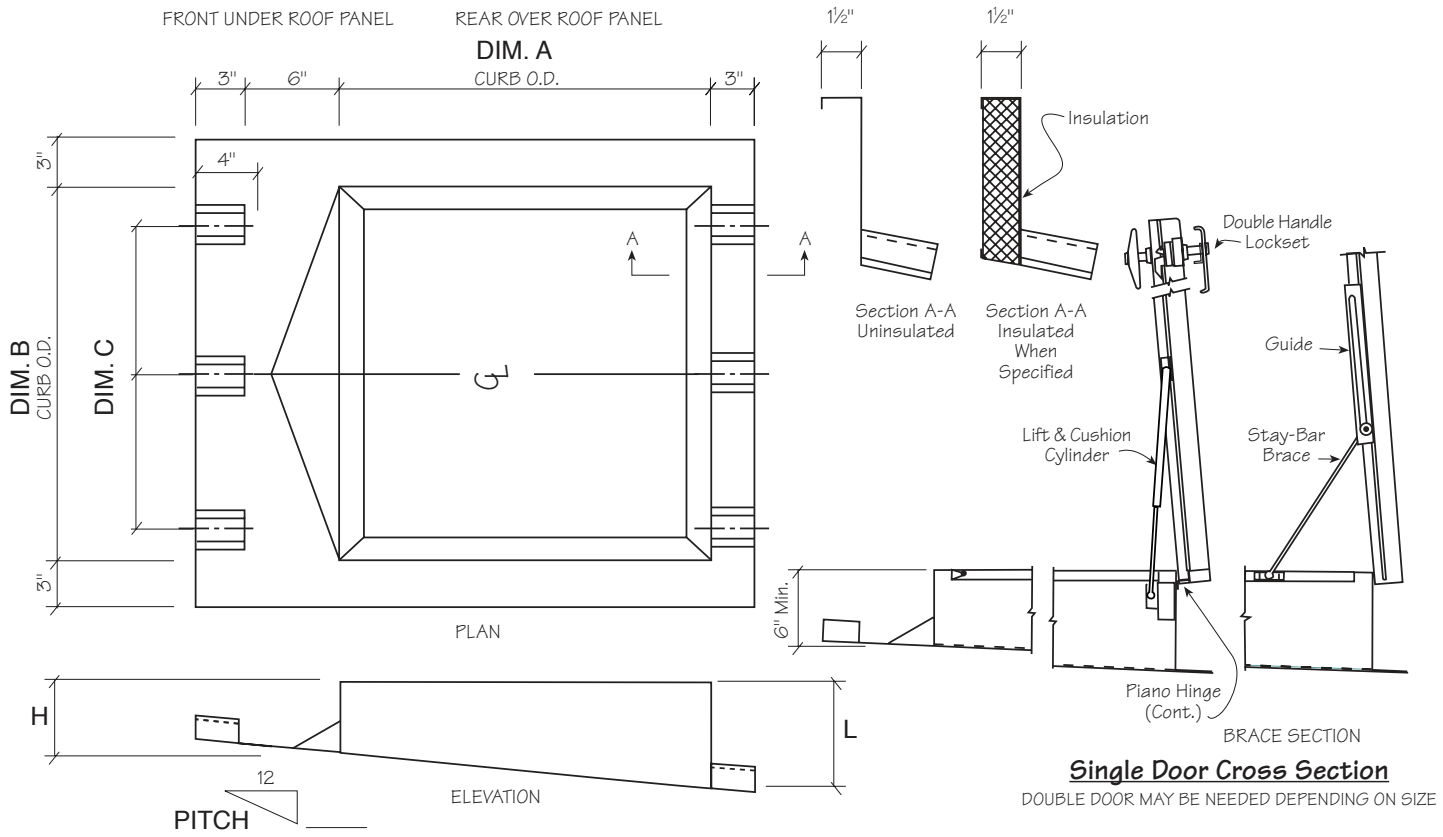
MP-RH1 ROOF ACCESS HATCH SPECS

SLOPE MOUNT ROOF ACCESS HATCH, SHINGLE TYPE, SHOP LOCATED, FACTORY INSTALLED RIBS



Single Door Cross Section

DOUBLE DOOR MAY BE NEEDED DEPENDING ON SIZE

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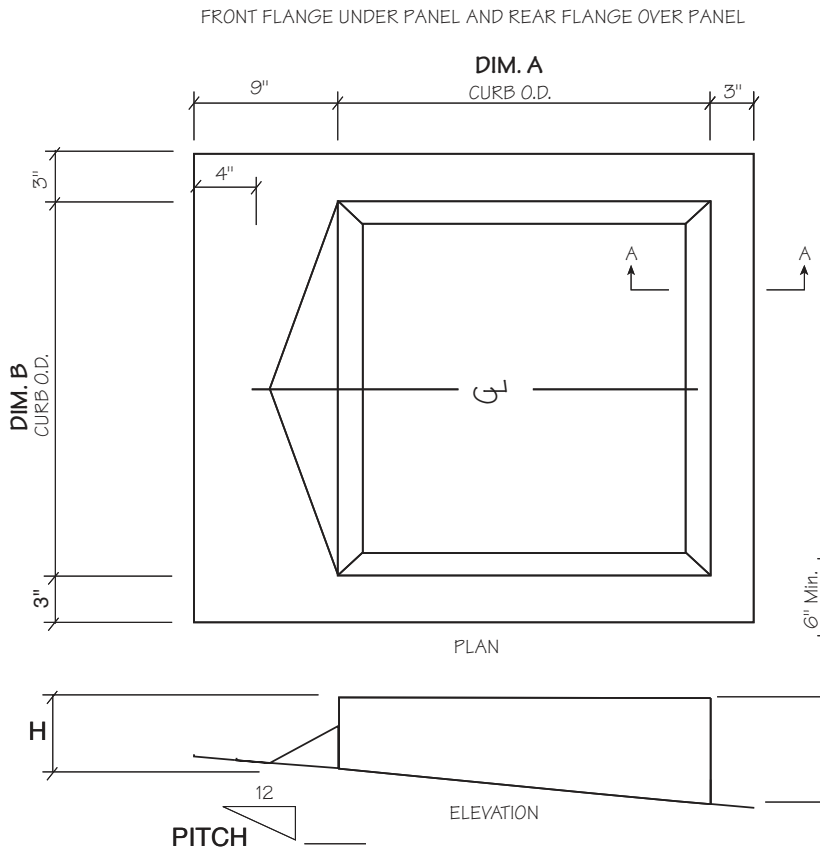
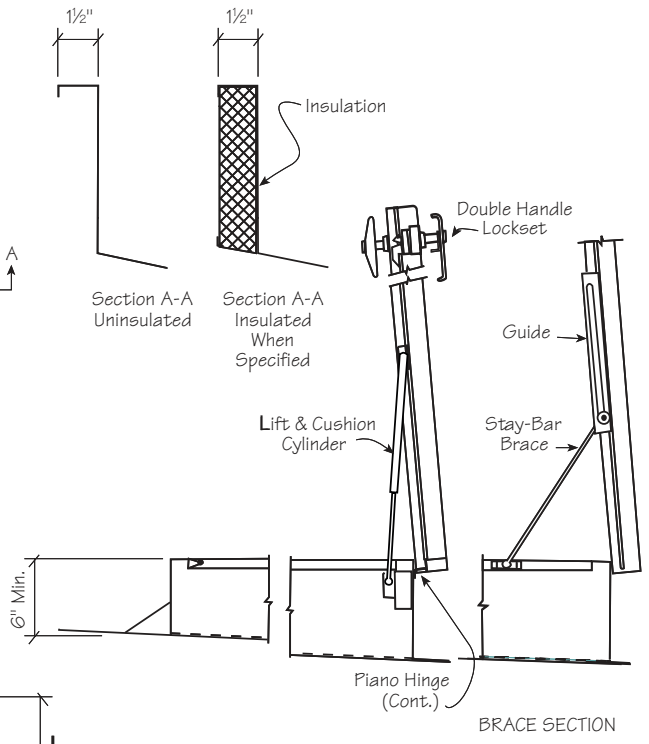
MP-RH2 ROOF ACCESS HATCH SPECS

SLOPE MOUNT ROOF ACCESS HATCH, FLAT MOUNTING FLANGE





Single Door Cross Section

DOUBLE DOOR MAY BE NEEDED DEPENDING ON SIZE

PLEASE SEND COMPLETED FORM TO YOUR METALLIC PRODUCTS REPRESENTATIVE. Questions? Call us at 713.856.9696 or email sales@mpvent.com

METALLIC PRODUCTS
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STANDARD CUPOLA

Whether you're keeping an eye on the wind's direction or are searching for an aesthetically pleasing accessory to sit atop your metal building, Metallic Products has your cupola.

SPECIFICATIONS

STANDARD SIZE

- 2' wide x 2' long x 2' high
- 3' wide x 3' long x 3' high
- 4' wide x 4' long x 4' high

CONSTRUCTION

The sides of the cupola are constructed of 45-degree fixed-blade louvers. Cupolas are manufactured with an integrated roof curb. Please specify panel type and roof slope when ordering.

SCREEN

- Hardware cloth
- 18 x 16 insect screen

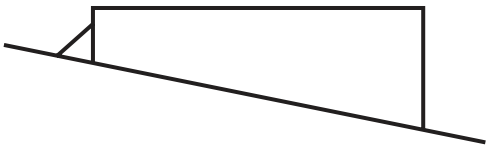
OPTIONS

Roof curb insulation
Two-tone colors
Weather vane addition

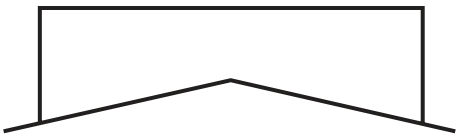
To view weather vane options, please visit **mpvent.com/accessories/cupolas**

CURB TYPES

HILLSIDE CURB



PEAK CURB



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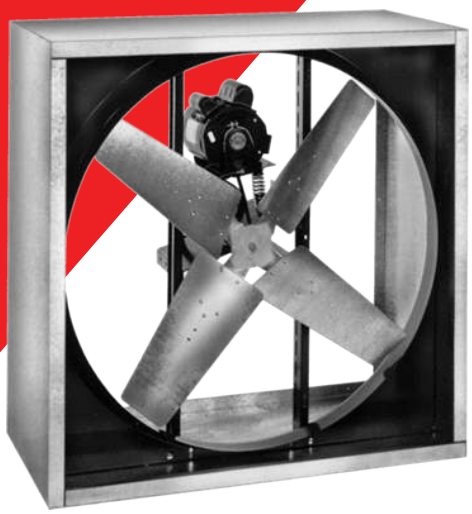
COMMERCIAL AND INDUSTRIAL WALL-MOUNT FANS



Metallic Products is a distributor of mechanical ventilation equipment for the pre-engineered metal building industry. Our extensive mechanical ventilation line allows manufacturers, dealers and contractors to design or meet almost every type of ventilation requirement. Wall-mount fans are available with 115-230/1/60 single phase or 230-460 three phase motors, including open drip proof, totally enclosed and explosion proof.

SPECIFICATIONS

STANDARD FEATURES

- Wall-mount fans designed for heavy duty usage
- Belt drive
- Single-speed motors up to 5 hp (see options for two speed motors)
- Balanced steel blades
- Vibration-tested assembly
- Self-lubricating ball bearings
- Standard motors are open drip-proof (ODP), 60Hz, single phase, unless otherwise specified (see options for additional motor types)
- Crated for shipment

OPTIONS

- Dual-speed switch
- Interior fan guard
- Exterior weather hood (helps prevent entrance of moisture when fans are used for intake ventilation)
- Large capacity motors (up to 5 hp, 230/460 volts, with dual speeds)
- Two-speed motors available on V series fans up to 1/2 hp (CFM is reduced approximately 32% at low speed)
- Totally enclosed, direct drive and explosion-proof motors are available for all VI series

NOTE

Fans are available with automatically opening wall shutters. Also available installed in roof curb with air intake and exhaust hoods.

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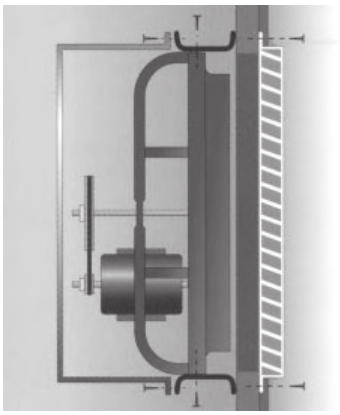
V-SERIES

TECHNICAL SPECIFICATIONS

MODEL	HP	CFM	AMPS	BLADE SIZE	VOLTS	SHIPPING WT. (lbs.)	O/O SQ. SIZE	FLANGE SIZE	DEPTH
V-SERIES COMMERCIAL									
V 2412	1/3	3,920	6.5	24"	115	50	30"	1-1/2"	12"
V 3012	1/3	6,420	6.5	30"	115	51	34"	1-1/2"	12"
V 3013	1/2	9,560	11.0	30"	115	58	34"	1-1/2"	12"
V 3613	1/2	10,900	11.0	36"	115	61	40"	2"	12"
V 4213	1/2	14,200	11.0	42"	115	93	46"	2"	12"
V 4813	1/2	17,100	11.0	48"	115	105	52"	2"	12"
V 4814	3/4	18,100	13/6.5	48"	115/230	135	52"	2"	12"

EASY SIX-STEP INSTALLATION:

1. Construct a frame of 8" or 10" "C" channels 1/4" larger than the overall fan size.
2. After mounting "C" channel frame to the building structure, cut opening in exterior metal siding for shutter frame.
3. Place the shutter in opening with flange under siding and attach with self-tapping or sheet metal screws. After shutter is installed, caulk all four exterior sides of shutter.
4. Install fan in position leaving a minimum of 4" between front of fan and shutter. Fan mounts to "C" channels with self-tapping screws or machine bolts with lock washers.
5. With fan and shutter installed, proceed with electrical wiring. See the motor label for proper wiring procedures.
6. Install VG or VIG guard on fans mounted less than 7' above the floor.



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VI-SERIES

TECHNICAL SPECIFICATIONS

MODEL	HP	CFM	AMPS	BLADE SIZE	VOLTS	SHIPPING WT. (lbs.)	O/O SQ. SIZE	DEPTH
VI-SERIES INDUSTRIAL								
VI 2412 V	1/3	4,190	6.5	24"	115	100	30-3/4"	20"
VI 2412 X	1/3	4,190	1.6/.8	24"	230/460	100	30-3/4"	20"
VI 2413 V	1/2	4,510	11	24"	115	105	30-3/4"	20"
VI 2413 X	1/2	4,510	2.0/1.0	24"	230/460	105	30-3/4"	20"
VI 3012 V	1/3	7,080	6.5	30"	115	111	34-3/4	20"
VI 3012 X	1/3	7,080	1.6/8	30"	230/460	111	34-3/4	20"
VI 3013 V	1/2	9,180	11	30"	115	111	34-3/4	20"
VI 3013 X	1/2	9,180	2.0/1.0	30"	230/460	111	34-3/4	20"
VI 3014 U	3/4	10,200	13/6.5	30"	115/230	114	34-3/4	20"
VI 3014 X	3/4	10,200	2.8/1.4	30"	230/460	114	34-3/4	20"
VI 3613 V	1/2	10,800	11	36"	115	120	40-3/4	20"
VI 3613 X	1/2	10,800	2.0/1.0	36"	230/460	120	40-3/4	20"
VI 3614 U	3/4	11,100	13/6.5	36"	115/230	134	40-3/4	20"
VI 3614 X	3/4	11,100	2.8/1.4	36"	230/460	138	40-3/4	20"
VI 3615 U	1	12,100	11/5.5	36"	115/230	145	40-3/4	20"
VI 3615 X	1	12,100	4.0/2.0	36"	230/460	145	40-3/4	20"
VI 3616 U	1-1/2	13,110	7.5/15.0	36"	115/230	157	40-3/4	20"
VI 3616 X	1-1/2	13,110	4.8/2.4	36"	230/460	154	40-3/4	20"
VI 3617 U	2	12,780	10.2/20.4	36"	115/230	202	40-3/4	20"
VI 3617 X	2	12,780	6.4/3.2	36"	230/460	181	40-3/4	20"
VI 3618 X	3	15,400	8.0/4.0	36"	230/460	257	40-3/4	20"
VI 4213 V	1/2	13,000	11	42"	115	151	46-3/4	20"
VI 4213 X	1/2	13,000	2.0/1.0	42"	230/460	149	46-3/4	20"
VI 4214 U	3/4	14,600	13/6.5	42"	115/230	152	46-3/4	20"
VI 4214 X	3/4	14,600	2.8/1.4	42"	230/460	152	46-3/4	20"
VI 4215 U	1	16,000	11/5.5	42"	115/230	162	46-3/4	20"
VI 4215 X	1	16,000	4.0/2.0	42"	230/460	162	46-3/4	20"
VI 4216 U	1-1/2	17,200	7.5/15.0	42"	115/230	183	46-3/4	20"
VI 4216 X	1-1/2	17,200	4.8/2.4	42"	230/460	173	46-3/4	20"
VI 4814 U	3/4	19,100	13/6.5	48"	115/230	177	52-3/4	20"
VI 4814 X	3/4	19,100	2.8/1.4	48"	230/460	180	52-3/4	20"
VI 4815 U	1	20,600	11/5.5	48"	115/230	187	52-3/4	20"
VI 4815 X	1	20,600	4.0/2.0	48"	230/460	190	52-3/4	20"
VI 4816 U	1-1/2	21,500	7.5/15.0	48"	115/230	210	52-3/4	20"
VI 4816 X	1-1/2	21,500	4.8/2.4	48"	230/460	190	52-3/4	20"
VI 4817 U	2	21,100	10.2/20.4	48"	115/230	232	52-3/4	30"
VI 4817 X	2	21,100	6.4/3.2	48"	230/460	212	52-3/4	30"
VI 4818 U	3	23,700	16/32	48"	115/230	292	52-3/4	30"
VI 4818 X	3	23,700	8.0/4.0	48"	230/460	292	52-3/4	30"
VI 4819 X	5	28,800	13.8/6.9	48"	230/460	312	52-3/4	30"
VI 5417 U	2	25,500	10.2/20.4	54"	115/230	348	62-7/8	30"
VI 5417 X	2	25,500	6.4/3.2	54"	230/460	338	62-7/8	30"
VI 5418 U	3	29,800	16/32	54"	115/230	343	62-7/8	30"
VI 5418 X	3	29,800	8.0/4.0	54"	230/460	343	62-7/8	30"
VI 5419 X	5	37,300	13.8/6.9	54"	230/460	351	62-7/8	30"
VI 6017 U	2	30,800	10.2/20.4	60"	115/230	425	68-7/8	30"
VI 6017 X	2	30,800	6.4/3.2	60"	230/460	410	68-7/8	30"
VI 6018 U	3	34,700	16/32	60"	115/230	418	68-7/8	30"
VI 6018 X	3	34,700	8.0/4.0	60"	230/460	418	68-7/8	30"
VI 6019 X	5	43,500	13.8/6.9	60"	230/460	422	68-7/8	30"

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FAN SHUTTERS AND ACCESSORIES

Complement your ventilation with a wide selections of fan shutters, fan guards and weather hoods carried by Metallic Products. These products integrate seamlessly with your ventilation system to maximize airflow.

FAN SHUTTERS

STANDARD FEATURES

- Shutter frames are heavy-gauge steel with rigidly welded corners and finished with an optional tough, powder coated finish
- Aluminum shutter blades are attached with heavy duty nylon fasteners
- Automatic open/close operation as fan is turned on/off
- Interlocking blades for maximum weather seal
- Double-panel units constructed with rigid "T" section center member
- Open depth of shutters is 4 inches

OPTIONS

- Manual pull chain and chain latch
- Motor operator, 115/230 volts (relieves starting load on fan motor)
- Fully electrostatic powder coated finish with custom color available upon request

MODEL NUMBER	DESCRIPTION	FAN SIZE	WALL OPENING	WEIGHT (lbs.)
IWS 24	Shutter 33 3/8" x 33 3/8"	24"	31" x 31"	26
IWS 30	Shutter 36 3/8" x 36 3/8"	30"	34" x 34"	29
IWS 36	Shutter 42 3/8" x 42 3/8"	36"	40" x 40"	39
IWS 42	Shutter 48 3/8" x 48 3/8"	42"	46" x 46"	44
IWS 48	Shutter 54 3/8" x 54 3/8"	48"	52" x 52"	55
***IWS 54**	Shutter 64 3/8" x 64 3/8"	54"	61" x 61"	76
***IWS 60**	Shutter 70 3/8" x 70 3/8"	60"	67" x 67"	88

**Indicates double panel shutters*

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FAN SHUTTERS AND ACCESSORIES

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FAN GUARDS

The “VG” and “VIG” series Industrial Fan Guards should be used on all fans mounted less than 7 feet above the floor to meet OSHA requirements. The grill features a black powder coated finish.

The “VIG” guard for “VI” series fans consists of the grill only, which attaches to the fan housing on the intake side.

The “VG” guard for “V” series fans is complete with 14-inch deep galvanized housing and grill. It mounts on the intake side of the fan and is shipped unassembled.

FITS V SERIES FANS

MODEL NUMBER	FAN SIZE	SHIPPING WEIGHT (lbs.)
VG 24	24"	43
VG 30	30"	50
VG 36	36"	58
VG 42	42"	65
VG 48	48"	73

FITS VI SERIES FANS

MODEL NUMBER	FAN SIZE	SHIPPING WEIGHT (lbs.)
VIG 24	24"	21
VIG 30	30"	24
VIG 36	36"	27
VIG 42	42"	31
VIG 48	48"	34
VIG 54	54"	38
VIG 60	60"	45

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FAN SHUTTERS AND ACCESSORIES

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WEATHER HOODS

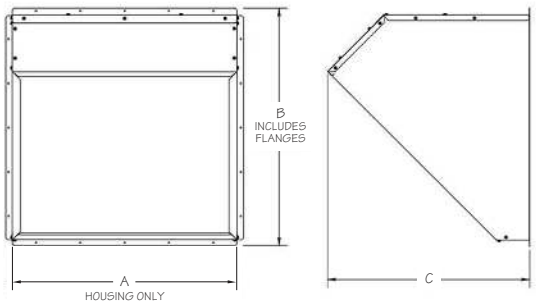
STANDARD FEATURES

- Heavy-duty galvanized construction
- Galvanized angle frames
- Standard sizes to accommodate 24", 30", 36", 42", 48", 54" and 60" fans
- 1/2" bird screen mesh at opening
- Shipped "KD" (knocked down) for field assembly

OPTIONS

- Insect screen
- Filter frames
- Electrostatic powder coated finish (2 mm)
- Assembled and crated
- Also available in aluminum and Galvalume finishes

MODEL NUMBER	FAN SIZE	SHIPPING WEIGHT (lbs.)
RH 24	24"	48
RH 30	30"	48
RH 36	36"	60
RH 42	42"	80
RH 48	48"	135
RH 54	54"	160
RH 60	60"	195



MODEL NUMBER	FAN SIZE	A	B	C	WEIGHT (lbs.)
RH 24	24"	31 3/4"	34 1/4"	31"	48
RH 30	30"	34 3/4"	37 1/4"	33"	48
RH 36	36"	40 3/4"	43 1/4"	37"	60
RH 42	42"	46 3/4"	49 1/4"	41"	80
RH 48	48"	52 3/4"	55 1/4"	45"	135
RH 54	54"	62 3/4"	65 1/4"	52"	160
RH 60	60"	68 3/4"	71 1/4"	57"	195

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COMMERCIAL AND INDUSTRIAL ROOF-MOUNT FANS

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HOODED FANS SPECIFICATIONS

STANDARD FEATURES

- 24" to 84" diameters available
- Hoods constructed of heavy galvanized steel
- Mill finish for hoods; polyester powder coat paint for fan panel, support and motor brackets
- 60-cycle motors designed for continuous duty

OPTIONS

- 4- to 6-blade cast aluminum propeller
- Direct and belt drive available
- Large capacity motors (up to 15 hp)
- Shipped for hinged or fixed installation
- Hoods are available in aluminum
- Explosion proof
- Disconnect switches
- Louvers
- Adjustable drives
- Access doors
- Filters
- Bird screens
- Special coatings
- Special construction

NOTE

Metallic Products offers fans from other suppliers for custom orders.

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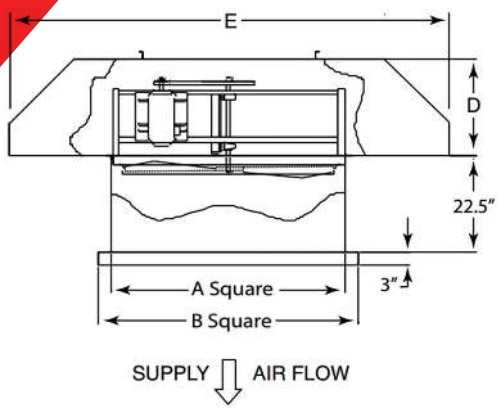
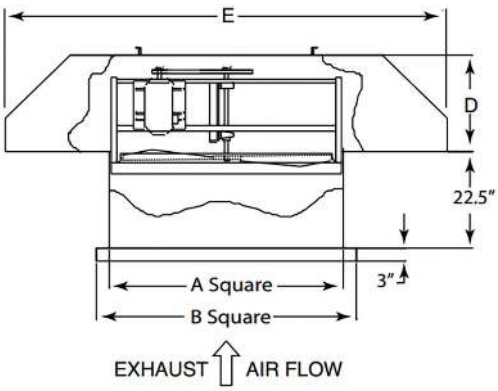
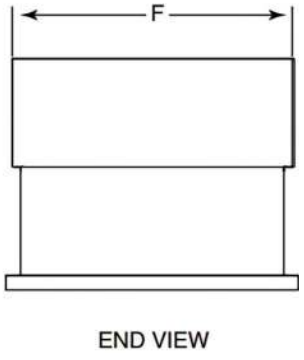
TECHNICAL SPECIFICATIONS

BLADE DIAMETER	DIMENSIONS					APPROX. WT. (lbs.)
	A	B	D	E	F	
24	30	36	12	60	34	300
30	36	42	15	72	40	340
36	42	48	18	82	46	430
42	48	54	21	92	52	500
48	54	60	22-1/2	102	58	575
54	60	66	22-1/2	108	64	800
60	66	72	28-1/2	120	70	875







DIRECT DRIVE HHC | 4-BLADE CAST ALUMINUM PROPELLER

MODEL	HP	RPM	TIP SPEED	PEAK BHP	CFM							
					.00"SP	.10"SP	.125"SP	.25"SP	.375"SP	.50"SP	.75"SP	1.00"SP
HHC 24" DD BLADE												
HHC-24-DD	1/2	1150	7226	.48	5425	5028	4928	4430	3502	2575		
HHC-24-DD	3/4	1150	7226	.72	6309	5882	5772	5240	4207	3174	2012	
HHC-24-DD	1	1150	7226	.99	7027	6531	6407	5787	4689	3591	2370	
HHC-24-DD	1-1/2	1750	10996	1.47	7763	7497	7430	7095	6760	6424	5425	4275
HHC-24-DD	2	1750	10996	2.03	8727	8510	8420	8067	7737	7408	6328	5055
HHC 30" DD BLADE												
HHC-30-DD	1/2	860	6755	.50	7475	6714	6523	5368	3874	2245		
HHC-30-DD	3/4	860	6755	.74	9111	8321	8124	6636	5061	3150		
HHC-30-DD	1	1150	9032	1.01	9368	8810	8670	7972	7109	6247	3869	
HHC-30-DD	2	1150	9032	2.02	12658	12065	11915	11173	9941	8710	6349	3050
HHC-30-DD	3	1750	13744	3.08	13214	12858	12768	12323	11877	11432	10324	9118
HHC 36" DD BLADE												
HHC-36-DD	3/4	860	8105	.75	10912	9899	9646	8092	6082	3732		
HHC-36-DD	1	860	8105	1.03	12426	11363	11098	9559	7581	5018		
HHC-36-DD	2	1150	10838	2.03	15623	14850	14657	13691	12502	11314	8141	
HHC-36-DD	3	1150	10838	3.04	18765	17946	17742	16718	15542	14444	11266	6353
HHC-36-DD	5	1150	10838	4.86	21329	20502	20295	19261	18133	17005	14175	8251

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TECHNICAL SPECIFICATIONS

DIRECT DRIVE HHC | 6 BLADE CAST ALUMINUM PROPELLER

MODEL	HP	RPM	TIP SPEED	PEAK BHP	CFM							
					.00"SP	.10"SP	.125"SP	.25"SP	.375"SP	.50"SP	.75"SP	1.00"SP
HHC 42" DD BLADE												
HHC-42-DD	2	860	9456	2.09	18034	17121	16897	15731	14462	12737		
HHC-42-DD	3	860	9456	3.01	21262	20210	19890	18213	16601	12325		
HHC-42-DD	5	1150	12645	5.06	24116	23442	23254	22611	21532	20670	18719	15790
HHC-42-DD	7-1/2	1150	12645	7.2	29874	29078	28873	27847	26907	25837	23665	20539
HHC-42-DD	10	1150	12645	10.2	33977	33065	32858	31805	30703	29501	27057	23951
HHC 48" DD BLADE												
HHC-48-DD	2	860	10807	1.97	23506	21849	21435	19179	16449	12868		
HHC-48-DD	3	860	10807	3.05	28214	26394	25959	23762	21332	18044		
HHC-48-DD	5	860	10807	5.1	32771	31343	31010	29317	27530	25696	21115	
HHC-48-DD	7-1/2	860	10807	7.1	37221	35834	35489	33634	31657	29634	25020	
HHC-48-DD	10	1150	14451	10.1	39787	38810	38520	37242	36166	34888	32435	
HHC-48-DD	15	1150	14451	15.4	47844	46746	46454	45177	43899	42431	39594	36648
HHC 54" DD BLADE												
HHC-54-DD	5	860	12158	4.99	36102	34504	34124	32361	30373	28226	23177	
HHC-54-DD	7-1/2	860	12158	7.50	42531	40965	40585	38673	36599	34376	29261	
HHC-54-DD	10	860	12158	10.4	49257	47705	47317	45239	43065	40799	35535	
HHC 60" DD BLADE												
HHC-60-DD	5	860	13509	4.9	37971	36254	35811	33662	31292	28925	23593	
HHC-60-DD	7-1/2	860	13509	7.5	46776	45144	44750	42758	40497	38022	32441	
HHC-60-DD	10	860	13509	10.0	53050	51372	50972	48817	46411	43844	37939	
HHC-60-DD	15	860	13509	14.5	62604	60801	60377	58369	55316	52556	46017	

METALLIC PRODUCTS QUALITY GUARANTEE EST. 1962 BUILT FOR MORE

METALLIC PRODUCTS
Built for More

TECHNICAL SPECIFICATIONS

BELT DRIVE HHC | 4 BLADE CAST ALUMINUM PROPELLER

MODEL	HP	RPM	TIP SPEED	PEAK BHP	CFM							
					.00"SP	.10"SP	.125"SP	.25"SP	.375"SP	.50"SP	.75"SP	1.00"SP
HHC 24" BD BLADE												
HHC-24-BD	1/2	1027	6452	.52	5754	5347	5217	4513	3231	2376		
HHC-24-BD	3/4	1207	7584	.74	6523	6155	6059	5518	4856	3756	2336	
HHC-24-BD	1	1294	8130	1.01	7324	6958	6866	6359	5794	5047	3185	2159
HHC-24-BD	1-1/2	1481	8909	1.49	8367	8010	7921	7446	6969	6439	5362	3303
HHC-24-BD	2	1661	10436	1.98	8977	8716	8639	8299	7906	7610	6522	4799
HHC-24-BD	3	1912	12018	3.02	10336	10101	10043	9852	9436	9091	8358	7481
HHC 30" BD BLADE												
HHC-30-BD	1/2	747	5866	.51	8164	7226	6981	5030	2867			
HHC-30-BD	3/4	878	6895	.75	9198	8436	8224	6933	5261	3461		
HHC-30-BD	1	929	7296	1.00	10152	9444	9238	8189	6396	4845		
HHC-30-BD	1-1/2	1064	8356	1.51	11627	11025	10861	9969	8731	7240	4234	
HHC-30-BD	2	1167	9165	1.98	12753	12188	12072	11257	10464	8961	6513	3399
HHC-30-BD	3	1340	10524	3.00	14644	14152	14028	13381	12673	11984	9478	7385
HHC-30-BD	5	1591	12495	5.02	17387	16972	16868	16382	15779	15179	13871	11658
HHC 36" BD BLADE												
HHC-36-BD	1	796	7502	1.01	13123	11954	11625	9857	7434	4102		
HHC-36-BD	1-1/2	912	8595	1.51	15035	14013	13743	12342	10554	8318		
HHC-36-BD	2	970	9142	2.01	16701	15759	15503	14225	12702	10902	5451	
HHC-36-BD	3	1101	10376	3.01	18956	18134	17896	16796	15619	14204	10442	5799
HHC-36-BD	5	1306	12308	5.0	22486	21792	21618	20695	19747	18775	16352	13425
HHC-36-BD	7-1/2	1496	14099	7.5	25756	25151	24999	24223	23395	22567	20772	18582

METALLIC PRODUCTS QUALITY GUARANTEE EST. 1962 BUILT FOR MORE

METALLIC PRODUCTS
Built for More

TECHNICAL SPECIFICATIONS

BELT DRIVE HHC | 6 BLADE CAST ALUMINUM PROPELLER

MODEL	HP	RPM	TIP SPEED	PEAK BHP	CFM							
					.00"SP	.10"SP	.125"SP	.25"SP	.375"SP	.50"SP	.75"SP	1.00"SP
HHC 42" BD BLADE												
HHC-42-BD	1-1/2	626	6879	1.51	17774	16251	15845	13569	10669			
HHC-42-BD	2	710	7802	2.01	19427	18067	17749	15956	13832	11129		
HHC-42-BD	3	813	8934	3.02	22251	21059	20756	19273	17661	15709		
HHC-42-BD	5	964	10594	4.94	26381	25384	25129	23918	22597	21238	17897	13671
HHC-42-BD	7-1/2	1103	12121	7.47	30187	29321	29099	27997	26749	25769	23273	20232
HHC-42-BD	10	1216	13324	10.04	33280	32496	32296	31284	30339	29328	27183	24734
HHC 48" BD BLADE												
HHC-48-BD	1-1/2	575	7347	1.53	21687	19662	19109	16418	12563			
HHC-48-BD	2	627	7875	1.98	23648	21785	21316	18864	16007	11108		
HHC-48-BD	3	706	8867	2.87	26628	24927	24556	22415	20191	17314		
HHC-48-BD	5	849	10663	4.98	32351	30906	30550	28846	27042	24918	20174	
HHC-48-BD	7-1/2	967	12145	7.35	36848	35572	35260	33810	32196	30289	26942	22407
HHC-48-BD	10	1061	13326	9.6	40429	39282	38976	37607	36236	34772	31511	28184
HHC 54" BD BLADE												
HHC-54-BD	2	555	7786	1.98	27447	25062	24425	20960	16767			
HHC-54-BD	3	634	8958	2.94	31354	29274	28751	25621	22378	17455		
HHC-54-BD	5	753	10639	4.88	37238	35464	35038	32760	29971	27235	20698	
HHC-54-BD	7-1/2	862	12186	7.30	42629	40969	40689	38782	36713	34497	29112	21834
HHC-54-BD	10	948	13402	9.68	46901	45454	45109	43417	41565	39673	35413	30011
HHC 60" BD BLADE												
HHC-60-BD	2	504	7916	2.01	31089	28166	27327	22571	18057			
HHC-60-BD	3	577	9063	2.99	35593	32930	32180	28100	20200			
HHC-60-BD	5	684	10743	4.98	42194	40103	39566	36597	32905	29039	21779	
HHC-60-BD	7-1/2	783	12298	7.42	48299	46472	46023	43569	40828	37829	28374	
HHC-60-BD	10	860	13508	9.79	53049	51372	50971	48816	45937	43395	37552	29290
HHC-60-BD	15	986	15487	14.7	60822	59336	58987	57181	55234	52548	48033	42296

METALLIC PRODUCTS
Built for More

COMMERCIAL AND INDUSTRIAL ROOF-MOUNT FANS

Metallic Products is a distributor of mechanical ventilation equipment for the pre-engineered metal building industry. Our extensive mechanical ventilation line allows manufacturers, dealers and contractors to design or meet almost every type of ventilation requirement.

JET UPBLAST FANS – BELT DRIVE SPECIFICATIONS

NOTE

Metallic Products offers fans from other suppliers for custom orders.

STANDARD FEATURES

- 24" to 84" diameters available
- Belt driven
- Curb base made from heavy gauge galvanized sheet steel
- Wind band to protect from weather and cross wind
- Rain channel
- External and internal bracing
- Damper lid positive
- Damper bearings
- Positive bumper stops
- Neoprene bumper
- Lifting lugs

OPTIONS

- Motor in or out of airstream
- 4- to 6-blade cast aluminum propeller
- Large capacity motors (up to 25 hp and 1926 RPM)

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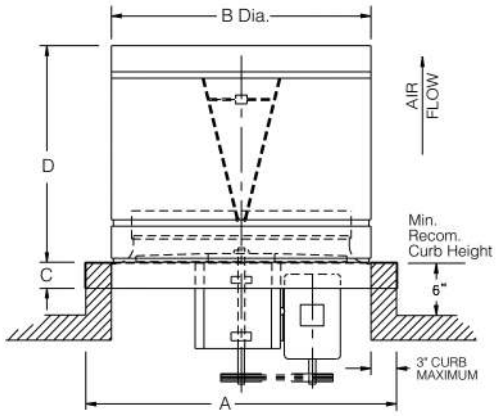
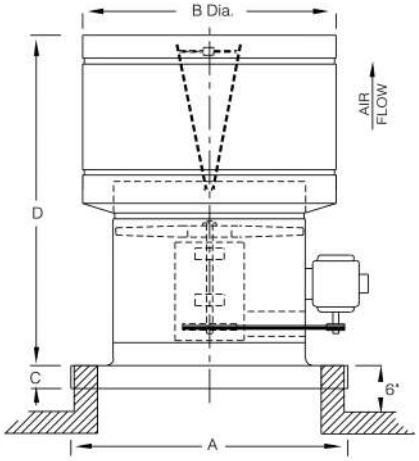
TECHNICAL SPECIFICATIONS



JBI (BELT DRIVE)

Motor in Airstream

MODEL	DIMENSIONS			
	A	B	C	D
JBI-24	36	33	3	25
JBI-30	42	39	3	28
JBI-36	48	45	3	31
JBI-42	54	51	3	34
JBI-48	60	57	3	37
JBI-54	66	63	3	40
JBI-60	72	69	3	43
JBI-72	84	80	3	49
JBI-84	96	92	3	49



JBX (BELT DRIVE)

Motor out of Airstream

MODEL	DIMENSIONS			
	A	B	C	D
JBX-24	36	33	3	46
JBX-30	42	39	3	59
JBX-36	48	45	3	59
JBX-42	54	51	3	62
JBX-48	60	57	3	65
JBX-54	66	63	3	68
JBX-60	72	69	3	77
JBX-72	84	80	3	86
JBX-84	96	92	3	92

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METALLIC PRODUCTS
Built for More

TECHNICAL SPECIFICATIONS

BELT DRIVE FANS | 4 BLADE CAST ALUMINUM PROPELLER

MODEL	HP	RPM	TIP SPEED	PEAK BHP	CFM							
					.00"SP	.10"SP	.125"SP	.25"SP	.375"SP	.50"SP	.75"SP	1.00"SP
JBI 24" BLADE												
JBI-24-BD	1/4	924	5802	.27	4696	4160	4013	2879	1779	1083		
JBI-24-BD	1/3	1021	6411	.34	5159	4624	4470	3528	2213	1472		
JBI-24-BD	1/2	1063	6676	.52	6031	5548	5408	4678	3345	2459	1226	
JBI-24-BD	3/4	1193	7492	.74	6674	6386	6280	5720	5029	3889	2416	1422
JBI-24-BD	1	1335	8384	1.01	7607	7219	7118	6591	6006	5226	3295	2231
JBI-24-BD	1-1/2	1529	9602	1.49	8690	8283	8219	7726	7224	6675	3415	1464
JBI-24-BD	2	1693	10632	1.89	9324	9064	8964	8603	8195	7885	6754	4932
JBI-24-BD	3	1926	12095	2.84	10735	10482	10421	10120	9782	9424	8870	7732
JBI 30" BLADE												
JBI-30-BD	1/2	884	6939	.52	8471	7505	7244	5219	2968	1385		
JBI-30-BD	3/4	891	6994	.77	9554	8754	8533	7187	5453	3580	1028	
JBI-30-BD	1	980	7693	1.00	10535	9799	9595	8482	6623	5017	1869	
JBI-30-BD	1-1/2	1118	8776	1.49	12077	11452	11270	10436	9042	7490	4376	2061
JBI-30-BD	2	1250	9812	1.96	13247	12659	12527	11683	10847	9280	6738	3514
JBI-30-BD	3	1462	11476	2.95	15196	14685	14542	13872	13137	12399	9806	7625
JBI-30-BD	5	1773	13297	4.92	18042	17612	17487	16983	16342	15721	14338	12049
JBI 36" BLADE												
JBI-36-BD	1	821	7742	1.02	13617	12386	12052	10218	7693	4239		
JBI-36-BD	1-1/2	939	8854	1.51	15586	14542	14261	12794	10941	8514	3475	
JBI-36-BD	2	1035	9760	2.02	17330	16353	16072	14747	13168	11290	5645	2482
JBI-36-BD	3	1177	11099	2.97	19671	18800	18560	17635	16173	14710	10793	5983
JBI-36-BD	5	1396	13164	4.94	23356	22614	22434	21454	20451	19426	16901	13814
JBI-36-BD	7-1/2	1607	15154	7.42	27596	26023	25892	25063	24182	23349	21470	19131

METALLIC PRODUCTS QUALITY GUARANTEE EST. 1962 BUILT FOR MORE

TECHNICAL SPECIFICATIONS

BELT DRIVE FANS | 6 BLADE CAST ALUMINUM PROPELLER

MODEL	HP	RPM	TIP SPEED	PEAK BHP	CFM							
					.00"SP	.10"SP	.125"SP	.25"SP	.375"SP	.50"SP	.75"SP	1.00"SP
JBI 42" BLADE												
JBI-42-BD	1-1/2	617	6787	1.49	17466	16092	15751	13761	11155	5842		
JBI-42-BD	2	678	7458	2.00	19192	17979	17642	15956	13841	10631		
JBI-42-BD	3	776	8536	3.00	21941	20889	20624	19191	17581	15686	8112	
JBI-42-BD	5	928	10208	4.99	26221	25409	25180	23912	22157	21416	18256	
JBI-42-BD	7-1/2	1073	11803	7.47	30336	29621	29432	28391	27464	26342	23901	
JBI-42-BD	10	1193	13112	10.02	33712	33182	32910	31994	31089	30300	28202	
JBI 48" BLADE												
JBI-48-BD	1-1/2	560	7039	1.5	22880	20396	19925	17211	13162	5069		
JBI-48-BD	2	616	7743	1.99	25121	22820	22341	20116	17125	11701		
JBI-48-BD	3	706	8874	3.01	28810	26654	26328	24406	22134	19320	8359	
JBI-48-BD	5	836	10508	5.00	34116	32141	31710	30149	28610	26611	21691	
JBI-48-BD	7-1/2	962	12092	7.56	39231	37313	37108	35596	34192	32832	29341	
JBI-48-BD	10	1062	13349	10.11	43332	41692	41331	39830	38489	37282	34543	
JBI 54" BLADE												
JBI-54-BD	2	560	7918	2.01	29549	27116	26231	22452	18516	9149		
JBI-54-BD	3	641	9063	3.00	33821	31829	31219	27621	24366	20776	4416	
JBI-54-BD	5	761	10760	5.02	40147	38541	38127	35109	32218	29484	23046	
JBI-54-BD	7-1/2	872	12330	7.48	45992	44736	44292	41898	39298	36790	32026	
JBI-54-BD	10	962	13602	10.10	50732	49706	49311	47386	44814	42424	38072	
JBI 60" BLADE												
JBI-60-BD	2	500	7855	2.00	33261	29196	27684	22390	14898	4682		
JBI-60-BD	3	572	8986	3.00	38134	35106	33610	28232	24249	15987		
JBI-60-BD	5	679	10667	5.02	45127	42998	42176	36763	32816	29546	16454	
JBI-60-BD	7-1/2	777	12202	7.48	51633	50147	49372	44879	40689	37311	31222	
JBI-60-BD	10	855	13432	10.09	56828	55528	54951	51351	47996	43526	37940	
JBI 72" BLADE												
JBI-72-BD	3	363	6842	3.12	47600	42600	41300	34400				
JBI-72-BD	5	413	8048	5.08	54200	49800	48700	42900	36000			
JBI-72-BD	7-1/2	488	9198	7.49	64000	60200	59300	54600	49600	43900		
JBI-72-BD	10	536	10103	10.06	70300	66800	65900	61700	57400	52700		
JBI-72-BD	15	618	11649	15.16	81100	78000	77300	73800	69900	66200	57600	
JBI-72-BD	20	690	13006	20.98	90500	87800	87100	83900	80600	77200	70300	
JBI 84" BLADE												
JBI-84-BD	5	370	8140	5.01	68200	62500	61000	52600				
JBI-84-BD	7-1/2	424	9328	7.51	78100	73200	72000	65100	57200	49700		
JBI-84-BD	10	466	10252	9.97	85900	81400	80300	74200	67500	59600		
JBI-84-BD	15	534	11748	15.04	98400	94500	93600	88500	83000	77000		
JBI-84-BD	20	588	12936	20.10	108400	104800	103900	99500	94600	89400	77800	
JBI-84-BD	25	635	13970	25.18	117000	113700	112900	108800	104400	99900	89700	

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COMMERCIAL AND INDUSTRIAL ROOF-MOUNT FANS

Metallic Products is a distributor of mechanical ventilation equipment for the pre-engineered metal building industry. Our extensive mechanical ventilation line allows manufacturers, dealers and contractors to design or meet almost every type of ventilation requirement.

JET UPBLAST FANS – DIRECT DRIVE SPECIFICATIONS

NOTE

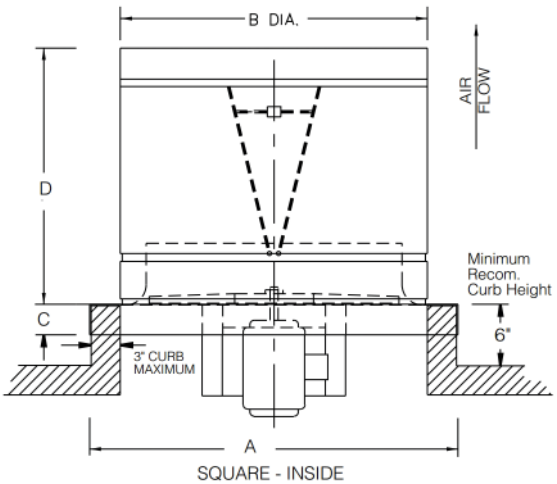
Metallic Products offers fans from other suppliers for custom orders.

STANDARD FEATURES

- 24" to 84" diameters available
- Galvanized steel inner throat
- Curb base made from heavy gauge galvanized sheet steel
- Wind band to protect from weather and cross wind
- Rain channel
- External and internal bracing
- Damper lids
- Damper bearings
- Positive bumper stops
- Neoprene bumper
- Lifting lugs

OPTIONS

- 4 to 6 blade cast aluminum propeller
- 24° to 40° blade angles available
- Large capacity motors (up to 15 hp)



JD (DIRECT DRIVE)

MODEL	DIMENSIONS			
	A	B	C	D
JD-24	36	33	3	25
JD-30	42	39	3	28
JD-36	48	45	3	31
JD-42	54	51	3	34
JD-48	60	57	3	37
JD-54	66	63	3	40
JD-60	72	69	3	43

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TECHNICAL SPECIFICATIONS

DIRECT DRIVE FANS | 4 BLADE CAST ALUMINUM PROPELLER

MODEL	HP	RPM	TIP SPEED	PEAK BHP	CFM							
					.00"SP	.10"SP	.125"SP	.25"SP	.375"SP	.50"SP	.75"SP	1.00"SP
JD 24" BLADE												
JD-24-DD	1/2	1140	7159	.48	5400	5320	5250	4600	3860	3050	990	
JD-24-DD	3/4	1140	7159	.72	6830	6410	6290	5670	5010	4320	2810	
JD-24-DD	1-1/2	1750	10990	1.15	8320	8140	8100	7790	7450	7050	6200	
JD-24-DD	2	1750	10990	2.19	10100	9840	9780	9240	9085	8700	7900	
JD 30" BLADE												
JD-30-DD	1/2	860	6751	.48	7770	7180	6950	5720	4170	1870		
JD-30-DD	3/4	860	6751	.71	9340	8650	8420	7210	5810	4090		
JD-30-DD	1	1140	8949	1.1	10400	10020	9950	9120	8210	7200	4670	
JD-30-DD	2	1140	8949	1.73	12500	12080	11920	11080	10190	9220	7010	4150
JD-30-DD	3	1750	13737	3.28	15300	15000	14900	14450	14000	13500		
JD 36" BLADE												
JD-36-DD	3/4	860	8110	.702	12003	11404	11217	9946	8436	6790	3253	
JD-36-DD	1	860	8110	1.17	15046	14246	14059	12937	11674	10208	5369	2692
JD-36-DD	2	1150	10845	1.68	16050	15500	15300	14200	12850	11300	7850	4350
JD-36-DD	3	1150	10845	2.85	20120	19370	19100	18020	16920	15600	12450	7185
JD-36-DD	5	1150	10845	4.87	21370	20920	20800	20150	19450	18680	16700	13960
JD-36-DD	7-1/2	1150	10845	7.80	24650	24150	24000	23180	22300	21400	19300	16050

METALLIC PRODUCTS QUALITY GUARANTEE EST. 1962 BUILT FOR MORE

METALLIC PRODUCTS
Built for More

TECHNICAL SPECIFICATIONS

DIRECT DRIVE FANS | 6 BLADE CAST ALUMINUM PROPELLER

MODEL	HP	RPM	TIP SPEED	PEAK BHP	CFM							
					.00"SP	.10"SP	.125"SP	.25"SP	.375"SP	.50"SP	.75"SP	1.00"SP
JD 42" BLADE												
JD-42-DD	2	860	9460	2.23	20051	19391	19165	18281	17361	16292	13753	10081
JD-42-DD	5	860	9460	5.49	29021	28342	28013	27072	25929	24727	22156	15046
JD-42-DD	5	1150	12650	5.21	26812	26127	26076	25089	24120	23142	21504	18354
JD-42-DD	10	1150	12650	9.89	32709	32054	31820	30900	29907	28970	26860	24397
JD 48" BLADE												
JD-48-DD	3	860	10810	2.91	27800	26700	23400	24600	22800			
JD-48-DD	5	860	10810	5.39	35280	33364	32979	31317	29776	27966	23439	15081
JD-48-DD	10	1150	14456	10.16	43737	42515	42129	40441	38628	37182	33589	29129
JD-48-DD	15	1150	14456	14.14	46907	45673	45244	43772	42551	41096	39039	36150
JD 54" BLADE												
JD-54-DD	5	860	12160	5.02	38900	37400	37000	35100	33100			
JD-54-DD	7-1/2	860	12160	7.34	45662	44360	43854	41438	38668	36165	31356	24622
JD 60" BLADE												
JD-60-DD	5	860	13510	5.19	41800	40300	39900	37600	35000			
JD-60-DD	10	860	13510	10.21	57483	55349	54918	49652	44905	41085	33906	18585

METALLIC PRODUCTS
Built for More

DIE FORMED FLASHING

Find the perfect fit — and keep your metal building protected against damaging moisture — with Metallic Products' die formed flashing.

SPECIFICATIONS

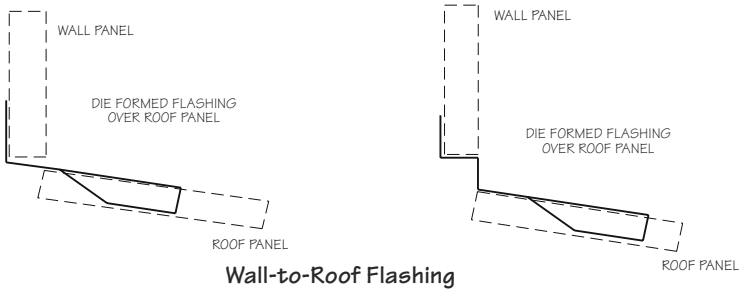
STANDARD FEATURES

- 10' coverage
- "R" panel and "M/U" panel profiles
- Galvalume, Polar White, standard and special color options available

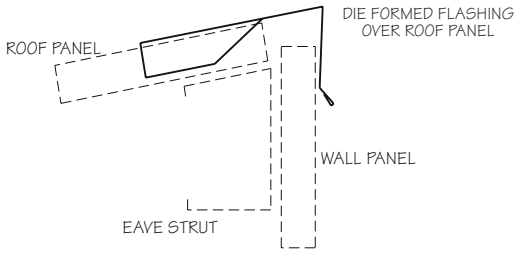
APPLICATIONS

- Wall-to-roof transition flashing
- Ventilator skirt flashing
- Roof-to-wall flashing
- High-side eave flashing

TECHNICAL SPECIFICATIONS

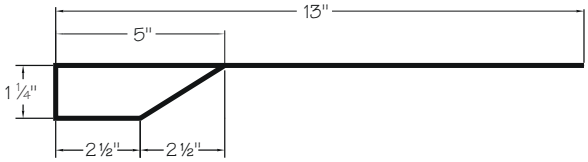


Wall-to-Roof Flashing

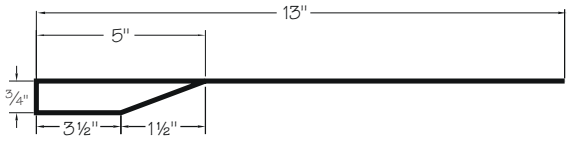


High-Side Eave Flashing

"R" PANEL



"M/U" PANEL



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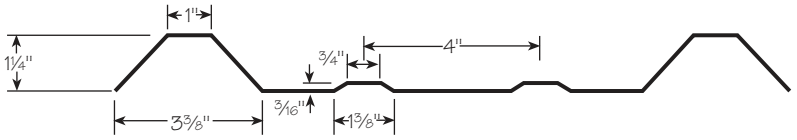
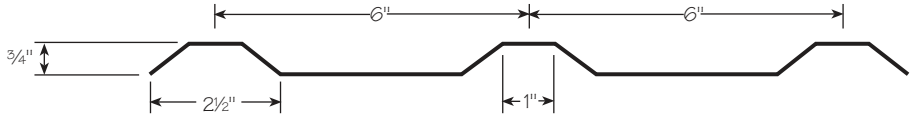
TECHNICAL SPECIFICATIONS



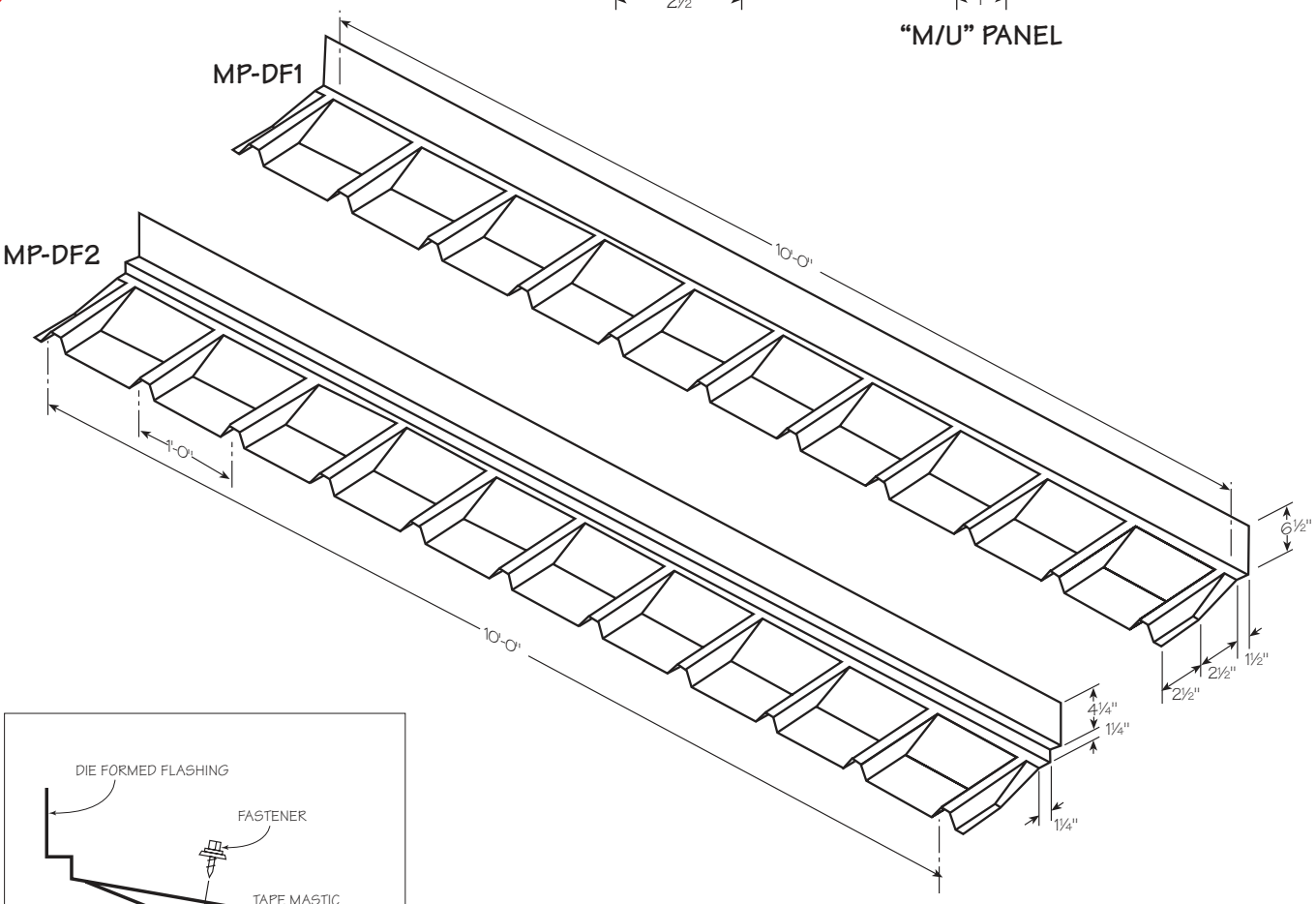
"R" PANEL



"M/U" PANEL

MP-DF1

MP-DF2



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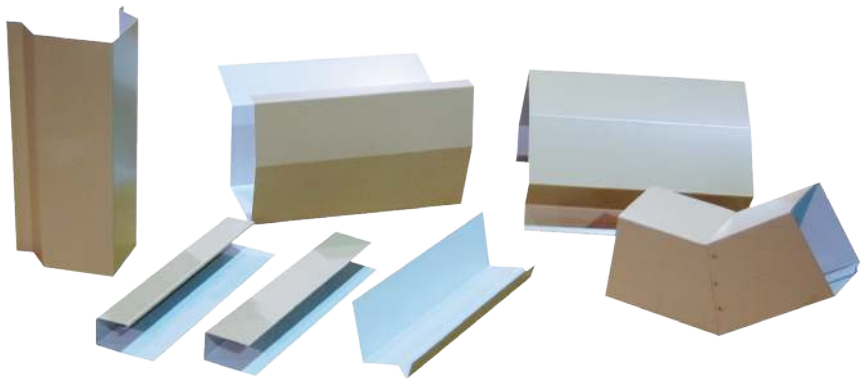

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STANDARD TRIM ITEMS

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- Sculptured Gutter
- Box Rake Trim
- Sculptured Rake Trim
- Peak Boxes
- Corner Boxes
- Downspout (straight)
- Downspout (with kickout)
- Downspout Outlet
- Downspout Elbow
- Downspout Offset
- Sculptured Eave Trim
- High Side Eave Trim
- Simple Eave Trim
- Corner Trim "R" Panel
- Corner Trim "U" Panel
- Inside Corner "R" Panel
- Inside Corner "U" Panel
- Jamb Trim
- Head Trim
- Sill Trim
- Drip Trim
- Cap Trim
- Starter Trim "A" Panel
- Transition Trim
- Ridge Cap
- Soffit/Valley Flashing
- Valley Flashing

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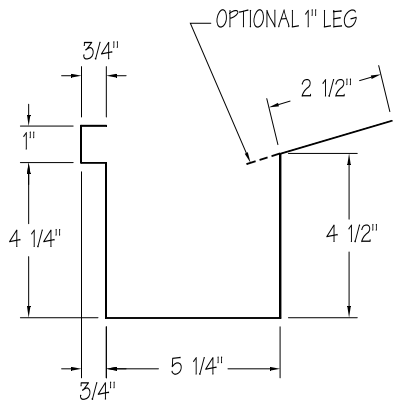
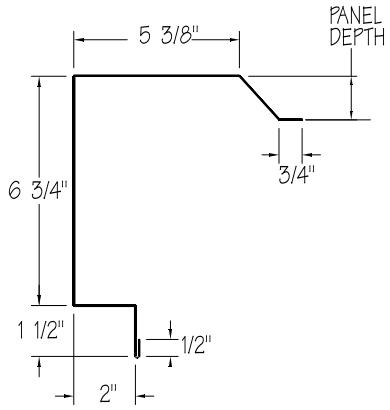
TRIM PROFILES

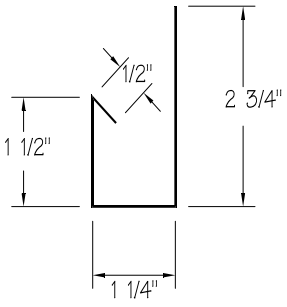
BOX GUTTER – EG1



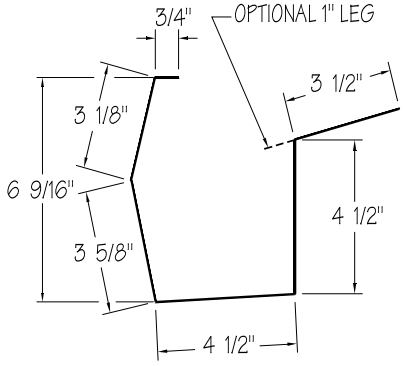
BOX RAKE TRIM – RT1



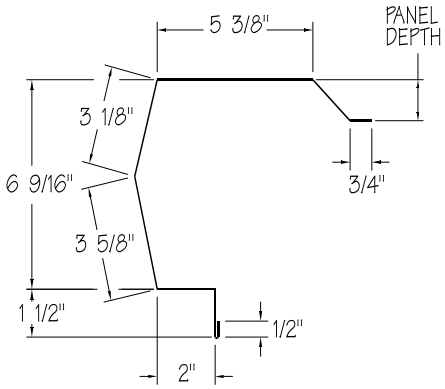
JAMB TRIM – JT17



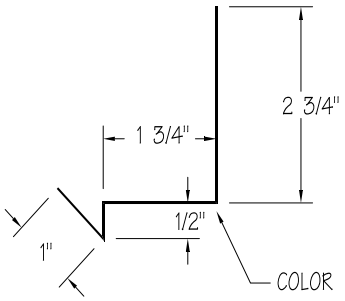
SCULPTURED GUTTER – EG2



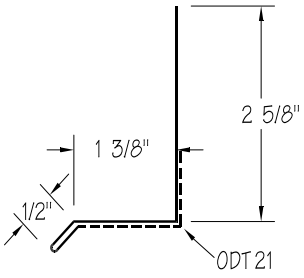
SCULPTURED RAKE TRIM – RT2



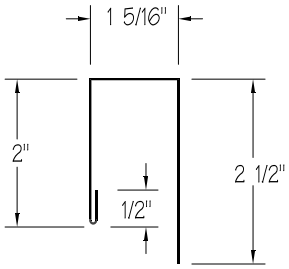
HEAD TRIM – HT18



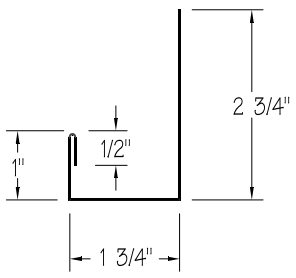
DRIP TRIM – DT21



SILL TRIM – ST20



HEAD TRIM – HT19



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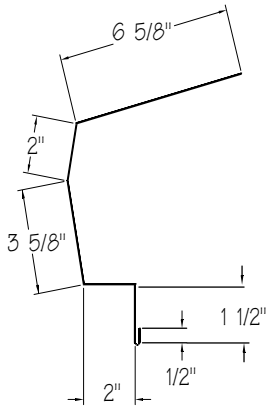
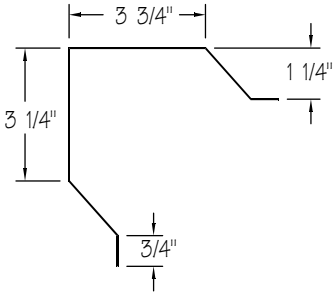
TRIM PROFILES

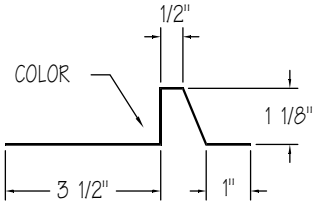
SCULPTURED EAVE TRIM – ET3



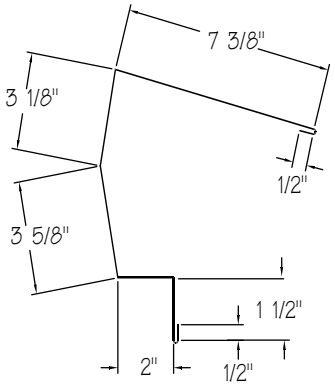
CORNER TRIM "R" PANEL – CT6



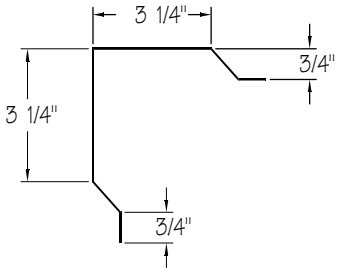
STARTER TRIM "A" PANEL – ST26



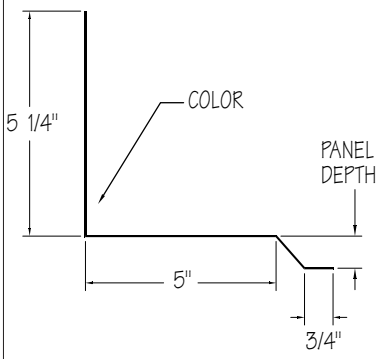
HIGH SIDE EAVE TRIM – ET4



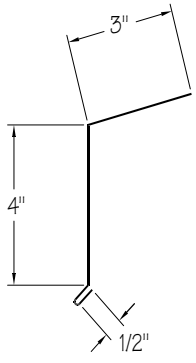
CORNER TRIM "U" PANEL – CT7



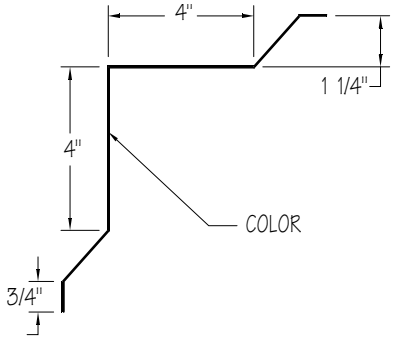
TRANSITION TRIM – TT27



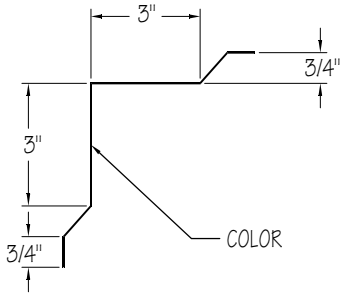
SIMPLE EAVE TRIM – ET5



INSIDE CORNER "R" PANEL – CT8



INSIDE CORNER "U" PANEL – CT9



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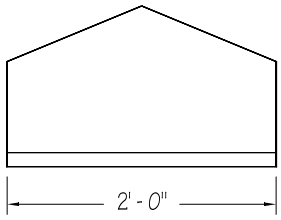
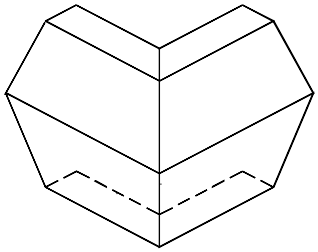
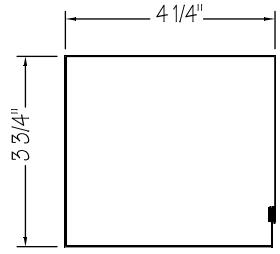
PEAK BOXES



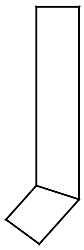
CORNER BOXES



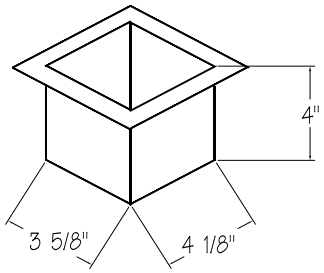
DOWNSPOUT (STRAIGHT) – DS12



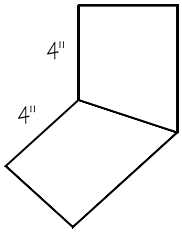
DOWNSPOUT (WITH KICKOUT) – DS13



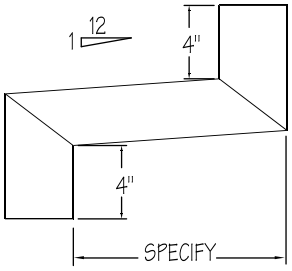
DOWNSPOUT OUTLET – DS14



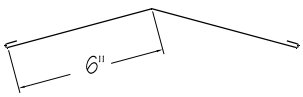
DOWNSPOUT ELBOW 45° – DS15



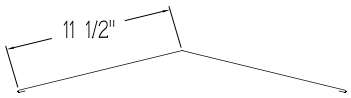
DOWNSPOUT OFFSET – DS16



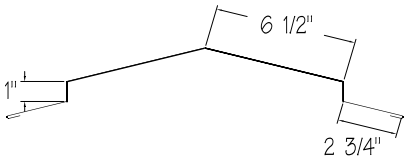
SOFFIT/VALLEY FLASHING – SV24



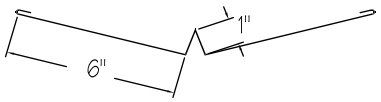
RIDGE CAP – RC22



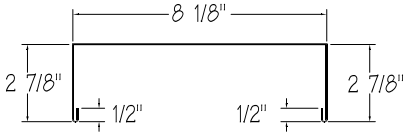
RIDGE CAP – RC23



VALLEY FLASHING – SV25



CAP TRIM – CT26



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