

MoffittVent™

Natural Ventilator



MoffittCorp.com | (800) 474-3267
1351 13th Ave S. Suite 130
Jacksonville Beach, FL 32250



MoffittVent™ Table of Contents

MoffittVent™ Table of Contents 2

MoffittVent™ Product Details..... 3

MoffittVent™ Submittal Data 4

MoffittVent™ Damper..... 5

MoffittVent™ Mounting Details..... 6

MoffittVent™ Air Flow & Drainage Diagram..... 7

MoffittVent™ Pictures..... 8

MoffittVent™ Product Details

PRODUCT DESCRIPTION

The MoffittVent™ is a natural ventilation device that is capable of exhausting large volumes of warm air from a building without letting any rain enter the building. This highly effective ventilator has helped buildings stay cool for over 55 years.

STANDARD FEATURES

- Throat width: 24" – 180"
- Length: 10' – 1000'+
- Mounting: Ridge, Slope, or Single Peak
- Prime painted red
- Galvalume sheeting, Mill Finish
- Stainless steel sheeting fasteners
- 100% free area to face area ratio.
- Gutters and Downspouts
- Mounting Fasteners
- Designed to meet local wind & snow codes
- Installation instructions
- Attachment Coordination Drawings

OPTIONAL FEATURES

- Sheeting
 - Aluminum
 - Stainless Steel
 - Fiberglass
- Painted sheeting
 - Kynar® Exterior with Wash Coat Interior
 - Kynar® Interior and Exterior
 - other specialty coatings
- Frames
 - Prime painted gray
 - Hot dip galvanized
 - Custom to spec
- Bird Screen
 - ½" mesh 19 ga. Galvanized steel
 - ¾" mesh .050 expanded aluminum
- Damper
 - Manual Damper
 - Motorized Damper
- Installation
 - Turnkey with Extended Warranty
 - Supervision

PRODUCT BENEFITS

- Uses no energy, has no operating costs, and requires no maintenance (on units w/o damper)
- Is not affected by the direction or velocity of the wind. Water is collected and then redirected.
- Exhaust performance increases in higher wind conditions due to natural ventilation design
- Designed to withstand local building code requirements.
- Damper Operation works up to 80' of damper, depending upon the throat size.
- Natural Daylighting

INDUSTRY APPLICATIONS

- | | | |
|-----------------------|--------------------------|-----------------------|
| • Aluminum | • Glass & Glass Products | • Power stations |
| • Automotive Plants | • Heavy Manufacturing | • Specialty Chemicals |
| • Cement & Concrete | • Mining & Minerals | • Steel industry |
| • Foundries & Forging | • Process Industry | • +Other |

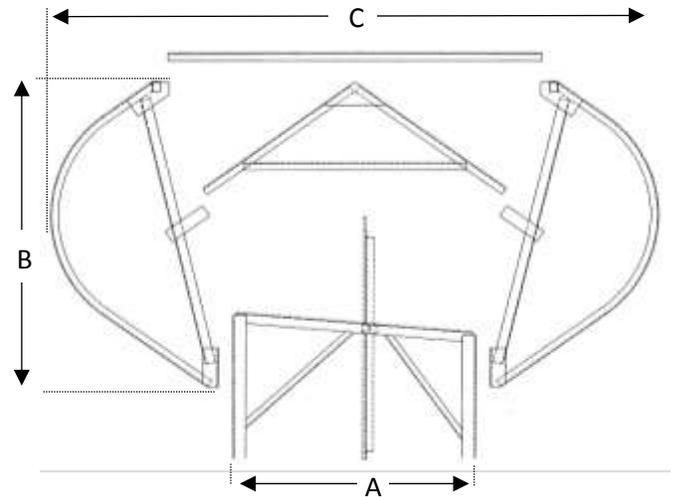
All Specifications are subject to change without notice unless approved in submittal by Moffitt

MoffittVent™ Natural Ventilator

MoffittVent™ Submittal Data

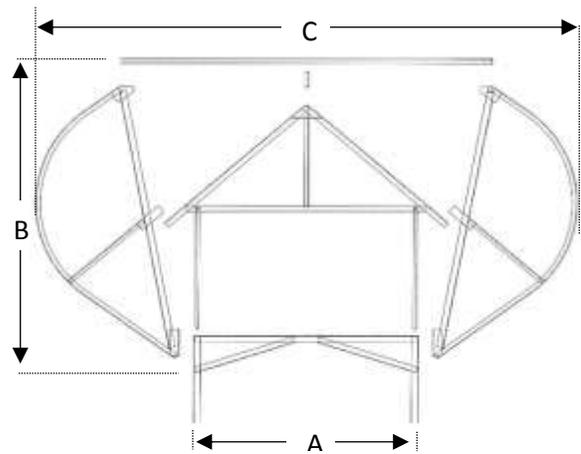
STANDARD FEATURES

1. Airshaft Frame
2. Damper – Single Leaf (if required)
2. Operator
3. Rack & Pinion
4. Airshaft Panel
5. Wind band Frame
6. Fixed Top Frame
7. Top Tie Angle
8. Stringer Angle
9. Drain Gutter (w/ downspouts to wind band)
10. Corrugated Fixed Top Panel
11. Fixed Top Cap Transverse Baffle
12. Corrugated Wind band
13. Corrugated Wind band
14. Bird Screen (if required)



Line	Quantity	Throat	Length	Mounting	Location
1					
2					
3					
4					
5					

SINGLE LEAF DAMPER				
Model	Throat Width A	Vent Height B	Frame Width C	Weight (lb/ft)
MV-24	24"	34-1/2"	61-1/4"	55
MV-48	48"	62-3/8"	114-1/2"	95



DOUBLE LEAF DAMPER				
Model	Throat Width A	Vent Height B	Frame Width C	Weight (lb/ft)
MV-96	96"	120"	18'-10"	236
MV-144	144"	14'-10"	27'-3"	357
MV-180	180"	17'-11"	33'-9"	572

All Specifications are subject to change without notice unless approved in submittal by Moffitt Corporation

MoffittVent™ Natural Ventilator

MoffittVent™ Damper

STANDARD FEATURES

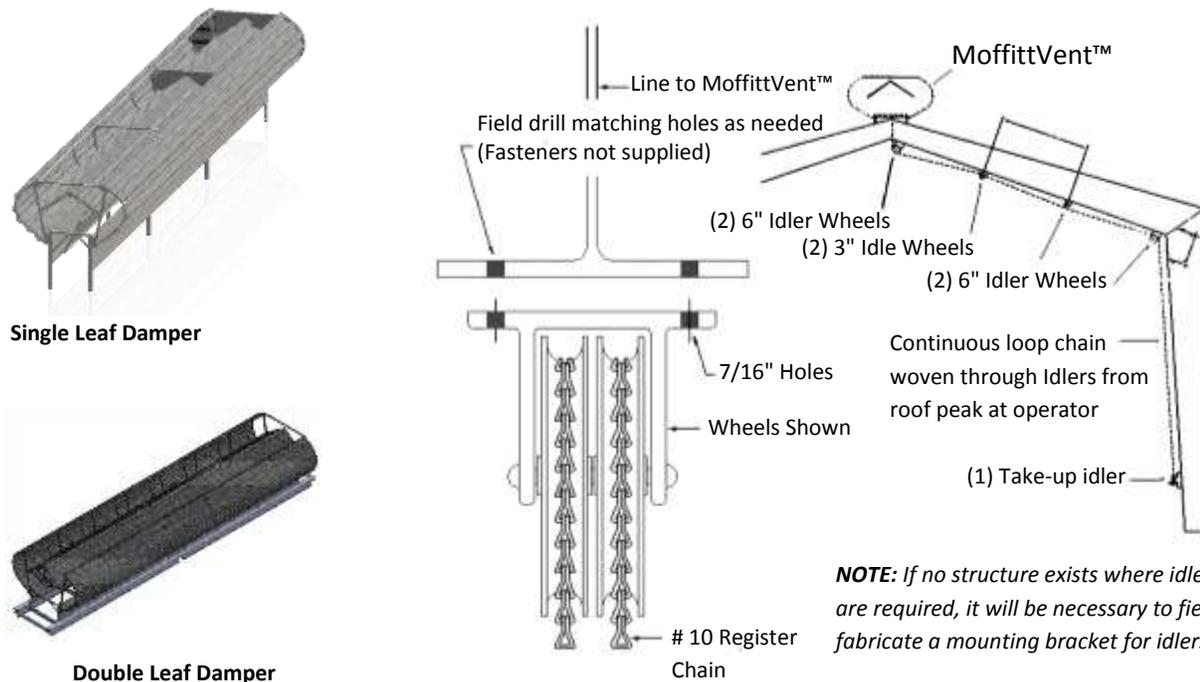
- Sizes: 24", 48" - single leaf
- Sizes: 96", 144", 180" - double leaf.

OPTIONAL FEATURES

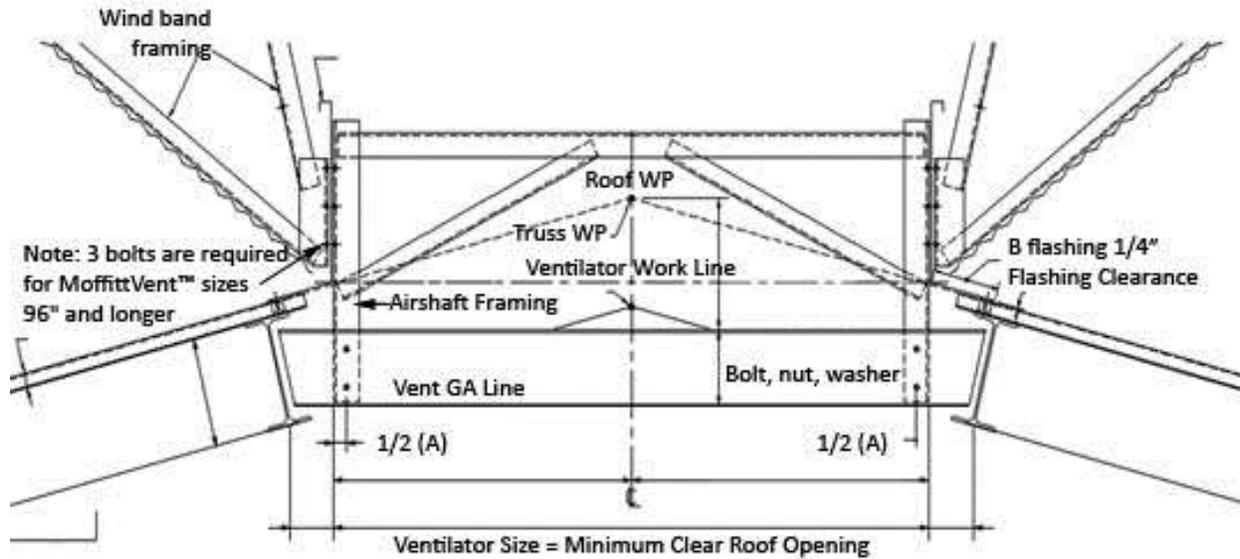
- Manual Operator
 - Direct Drop, Continuous Loop
 - Indirect Operator from building column
 - Hand Wheel Crank from roof
 - Motorized Operator*
 - Sizes 24", 48": 1/3 HP, 460/3/360
 - Sizes 96"+: 3/4 HP, 460/3/360
- *requires reversing starter (by electrical contractor)

Damper Section Length	Single Leaf Damper		Double Leaf Damper		
	24"	48"	96"	144"	180"
8'	80'	80'	56'	32'	24'
10'	80'	80'	60'	30'	20'

Indirect Damper Operator



MoffittVent™ Mounting Details Typical Channel Diagram Connection

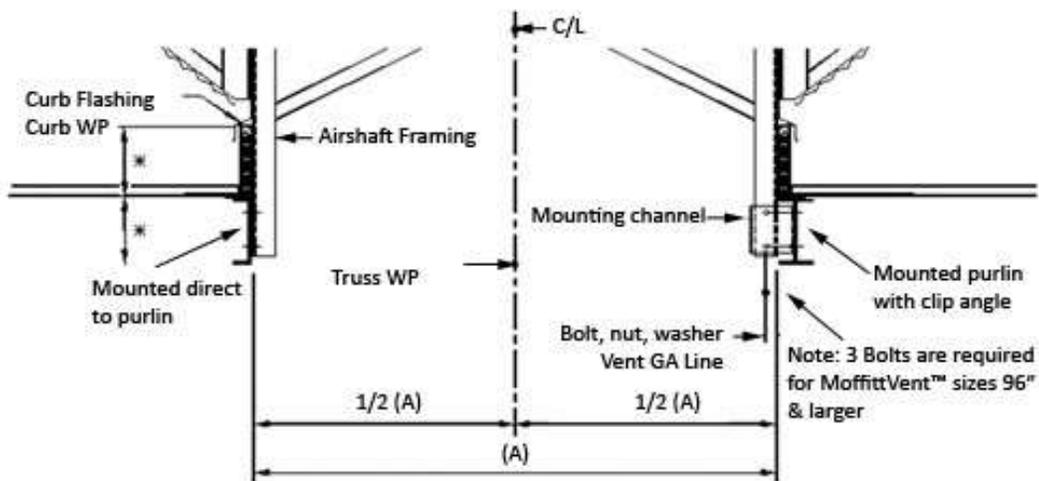


Information Required for Frame Detail

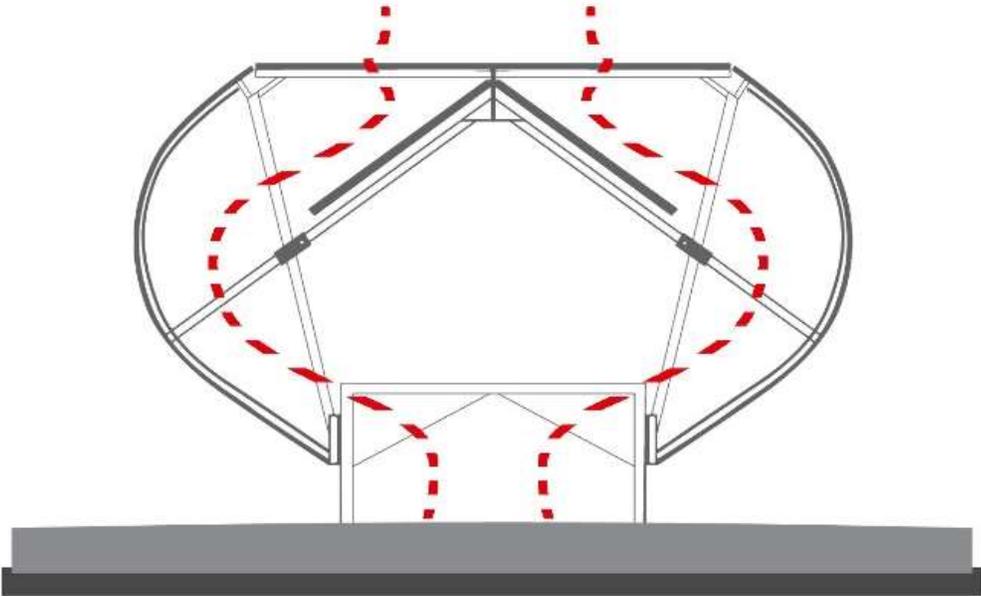
- Roof Depth
- Size, Weight, Type of "W" Beams
- Roof Depth
- Size, Weight, Type of Purlin Truss Spacing

Not in Ventilator Contractor

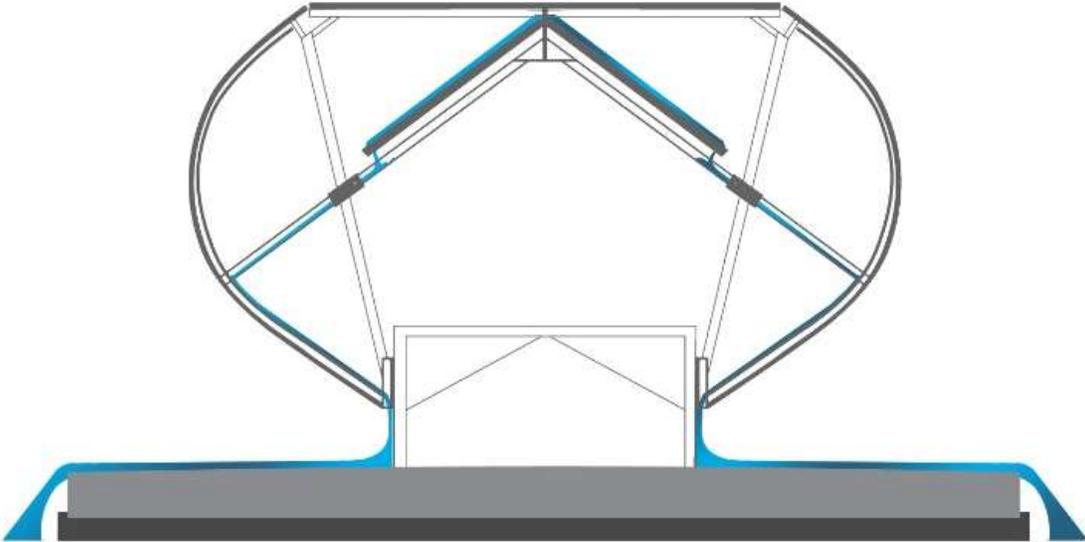
- Channel Diaphragm
- Holes in channel diaphragm
- "W" Beams
- Holes in "W" Beams"
- Closure
- Closure Screw
- Purlins
- Roofing



MoffittVent™ Air Flow & Drainage Diagram



Warm Air Exhaust



Water Flow

MoffittVent™ Pictures

