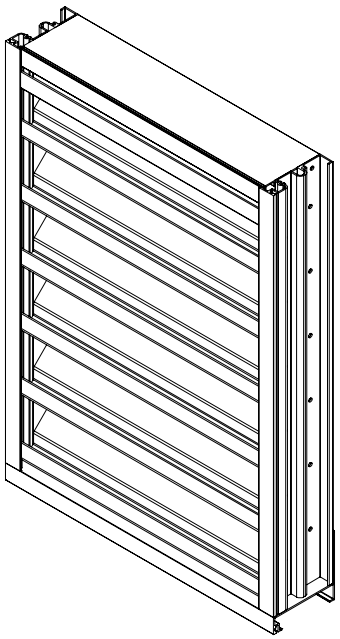
# S445-DE Wall Louver
SUBMITTAL

Moffitt Ventilation Solutions



**Project Number:** _____

**Project Name:** _____

**Customer:** _____

**Date:** _____

## Standard Features

- Frame depth: 4 in.
- Blade angle: 45°, Stationary
- Blade profile: Drainable
- Material: Extruded aluminum, 0.081-in., mill finish, 6063-T5
- Mounting clips and fasteners to attach clip to louver are included, shipped loose
- Mullion covers

## Optional Features

### Construction
- ☐ Welded 6063-T5 extruded aluminum

### Frame Options
- ☐ 1.5-in. flanged frame
- ☐ Stucco flange
- ☐ Glazing frame
- ☐ Frame closure
- ☐ Hinged frame
- ☐ Subframe

### Finish options
- ☐ Polyester powder
- ☐ Baked enamel

### Screen options
- ☐ Bird screens
- ☐ Insect screens

### Additional options
- ☐ Blank-off panels: insulated or uninsulated
- ☐ Filter racks
- ☐ Burglar bars
- ☐ Factory-mounted electric or pneumatic actuator
- ☐ Low-leakage seals

### Installation hardware and materials
- ☐ Clip angles
- ☐ Continuous angles
- ☐ Head/jamb/sill flashing

| TAG | QTY | WIDTH | DEPTH | HEIGHT |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**(904) 241-9944 | MoffittCorp.com**

Moffitt continuously improves our products. Specifications and dimensions are subject to change.
®The Moffitt logo is a registered trademark of Moffitt in the U.S., Mexico, and Canada. | ©2026 Moffitt. All rights reserved. Version 1 | October 2026

# S445-DE Wall Louver
## PERFORMANCE

Moffitt Ventilation Solutions

## Free Area Chart ($ft^2$)

| Height (in.) \ Width (in.) | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 | 84 | 90 | 96 | 102 | 108 | 114 | 120 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 0.3 | 0.5 | 0.7 | 0.9 | 1.1 | 1.2 | 1.4 | 1.6 | 1.8 | 2.0 | 2.2 | 2.4 | 2.6 | 2.7 | 2.9 | 3.1 | 3.3 | 3.5 | 3.7 |
| 18 | 0.5 | 0.8 | 1.2 | 1.5 | 1.8 | 2.1 | 2.4 | 2.7 | 3.0 | 3.4 | 3.7 | 4.0 | 4.3 | 4.6 | 4.9 | 5.2 | 5.6 | 5.9 | 6.2 |
| 24 | 0.8 | 1.2 | 1.7 | 2.2 | 2.6 | 3.1 | 3.6 | 4.0 | 4.5 | 4.9 | 5.4 | 5.9 | 6.3 | 6.8 | 7.3 | 7.7 | 8.2 | 8.6 | 9.1 |
| 30 | 1.0 | 1.7 | 2.3 | 2.9 | 3.5 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.3 | 7.9 | 8.5 | 9.1 | 9.7 | 10.4 | 11.0 | 11.6 | 12.2 |
| 36 | 1.2 | 2.0 | 2.7 | 3.5 | 4.2 | 4.9 | 5.7 | 6.4 | 7.2 | 7.9 | 8.6 | 9.4 | 10.1 | 10.8 | 11.6 | 12.3 | 13.1 | 13.8 | 14.5 |
| 42 | 1.6 | 2.5 | 3.4 | 4.3 | 5.2 | 6.2 | 7.1 | 8.0 | 8.9 | 9.9 | 10.8 | 11.7 | 12.6 | 13.5 | 14.5 | 15.4 | 16.3 | 17.2 | 18.2 |
| 48 | 1.8 | 2.8 | 3.9 | 4.9 | 6.0 | 7.0 | 8.1 | 9.1 | 10.2 | 11.2 | 12.3 | 13.3 | 14.4 | 15.4 | 16.5 | 17.5 | 18.6 | 19.6 | 20.7 |
| 54 | 2.0 | 3.2 | 4.4 | 5.6 | 6.8 | 8.0 | 9.2 | 10.4 | 11.6 | 12.8 | 14.0 | 15.2 | 16.4 | 17.6 | 18.8 | 20.0 | 21.2 | 22.4 | 23.6 |
| 60 | 2.3 | 3.6 | 5.0 | 6.4 | 7.7 | 9.1 | 10.4 | 11.8 | 13.1 | 14.5 | 15.9 | 17.2 | 18.6 | 19.9 | 21.3 | 22.6 | 24.0 | 25.4 | 26.7 |
| 66 | 2.5 | 4.0 | 5.4 | 6.9 | 8.4 | 9.9 | 11.3 | 12.8 | 14.3 | | | | | | | | | | |
| 72 | 2.8 | 4.5 | 6.1 | 7.8 | 9.4 | 11.1 | 12.7 | 14.4 | 16.1 | | | | | | | | | | |
| 78 | 3.0 | 4.8 | 6.6 | 8.4 | 10.2 | 11.9 | 13.7 | 15.5 | 17.3 | | | | | | | | | | |
| 84 | 3.3 | 5.2 | 7.1 | 9.1 | 11.0 | 12.9 | 14.9 | 16.8 | 18.7 | | | | | | | | | | |
| 90 | 3.5 | 5.6 | 7.7 | 9.8 | 11.9 | 14.0 | 16.1 | 18.2 | 20.3 | | | | | | | | | | |
| 96 | 3.7 | 5.9 | 8.1 | 10.4 | 12.6 | 14.8 | 17.0 | 19.2 | 21.4 | | | | | | | | | | |
| 102 | 4.0 | 6.4 | 8.8 | 11.2 | 13.6 | 16.0 | 18.4 | 20.8 | 23.2 | | | | | | | | | | |
| 108 | 4.3 | 6.8 | 9.3 | 11.8 | 14.3 | 16.9 | 19.4 | 21.9 | 24.4 | | | | | | | | | | |
| 114 | 4.5 | 7.2 | 9.8 | 12.5 | 15.2 | 17.9 | 20.5 | 23.2 | 25.9 | | | | | | | | | | |
| 120 | 4.8 | 7.6 | 10.4 | 13.3 | 16.1 | 18.9 | 21.7 | 24.6 | 27.4 | | | | | | | | | | |

## Ratings

- Free Area: 8.5 $ft^2$, 53.1%, at 48 in. × 48 in. tested model size

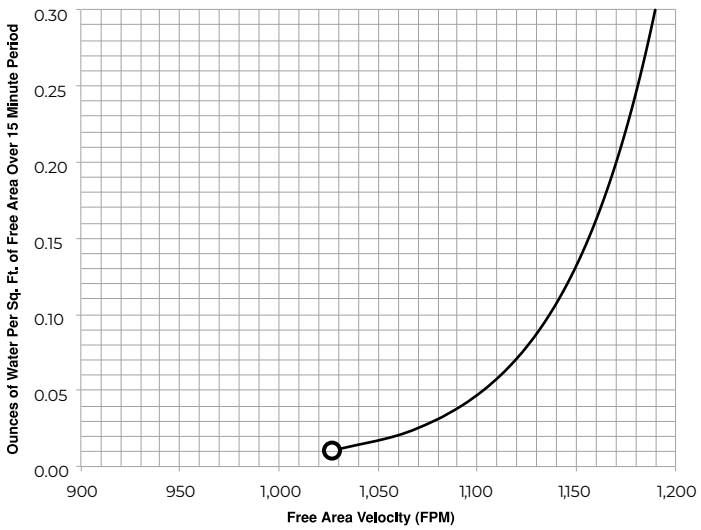
**Performance***

- Free Area Velocity: 715 FPM
- Air Volume: 6,092 CFM
- Pressure Loss: 0.11 in. w.g.

- Velocity @ 0.15 in. w.g. Pressure Loss: 850 FPM
- Design Load: 30 PSF

*Performance Rated at Beginning Point of Water Penetration

## Water Penetration

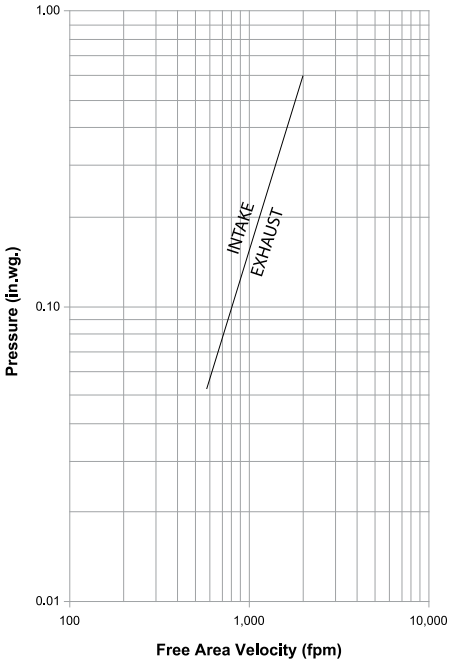



Water penetration is measured as the free area velocity at the intersection of a simple linear regression of test data and the line of 0.01 ounces of water per square foot of free area. It is measured through a 48 in. × 48 in. louver over 15-minutes.

Intake louvers should be selected with a reasonable margin of safety below the beginning point of water penetration to avoid unwanted entry during severe storm conditions.

Beginning Point of Water Penetration = 1,026 fpm

## Pressure Loss



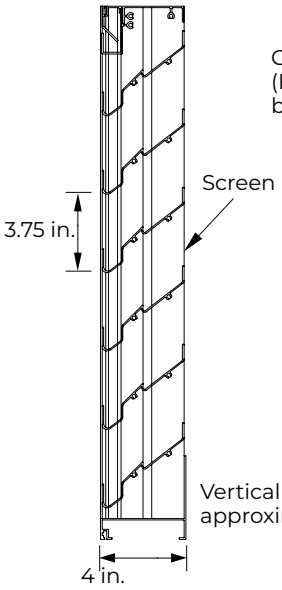

Pressure drop is the difference in total pressure between two points of a fluid carrying network.

**(904) 241-9944 | MoffittCorp.com**

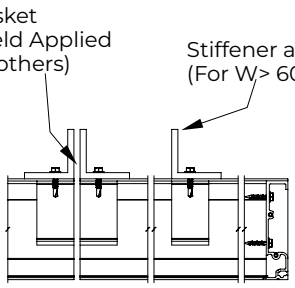
Moffitt continuously improves our products. Specifications and dimensions are subject to change.
®The Moffitt logo is a registered trademark of Moffitt in the U.S., Mexico, and Canada. | ©2026 Moffitt. All rights reserved. Version 1 | October 2026

# S445-DE Wall Louver
ATTRIBUTES

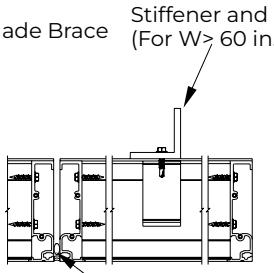
Moffitt Ventilation Solutions



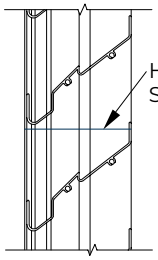

Vertical Section Screen adds approximately 0.1875 in. to louver depth



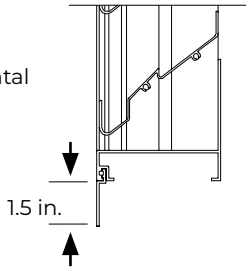

Hidden Vertical Mullion (optional)




Visible Vertical Mullion (standard)

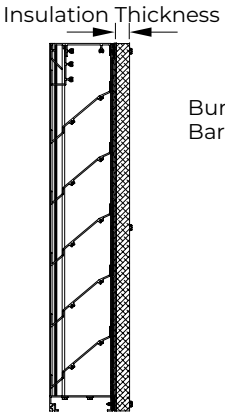



Horizontal Mullion (standard)

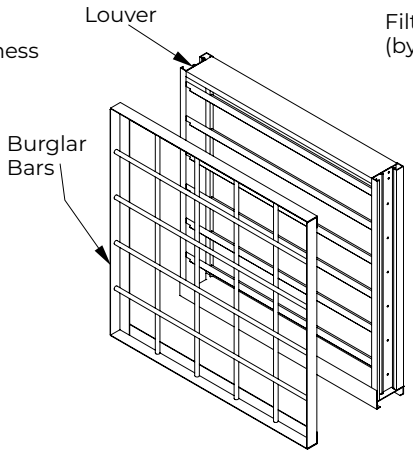



Flange Frame (optional)

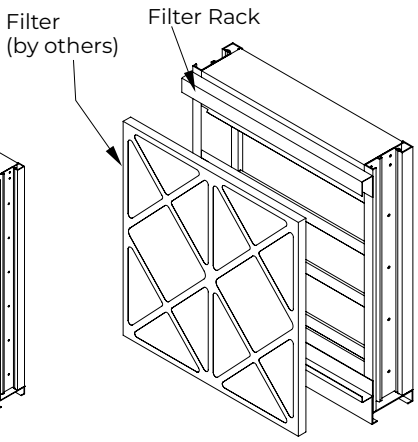
## Additional Options



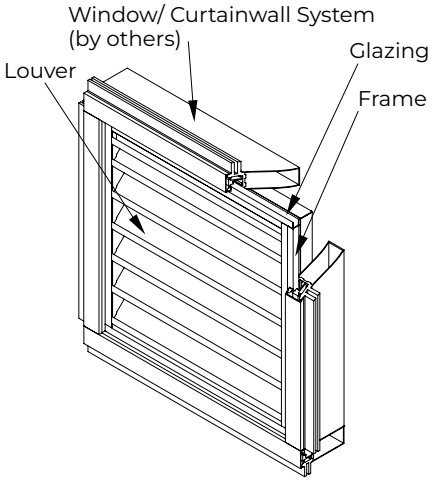

Blank-Off Options
Non-Insulated and Gasketed
1 in. Insulated (4.25 R-value)
2 in. Insulated (8.75 R-value)



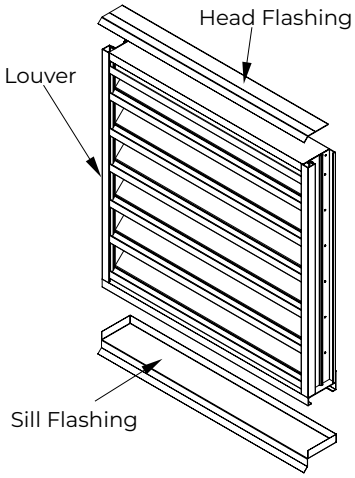

Burglar Bars Shipped Loose or Mounted



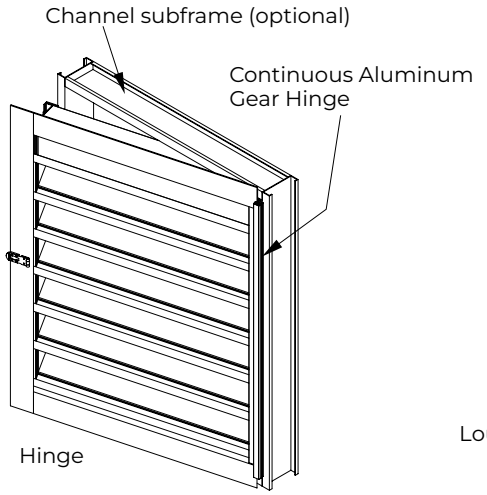

Filter Rack



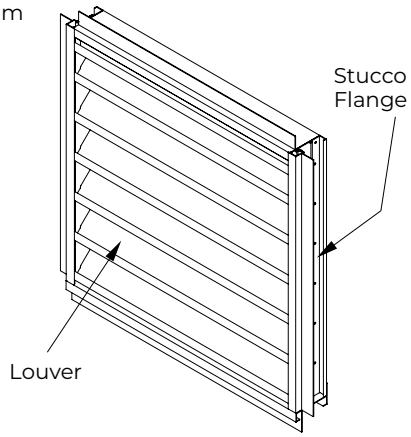

Glazing Frame




Flashing Options Head and Sill Available




Hinge and Subframe
Right or Left Side Option Available




Stucco Flange

**(904) 241-9944 | MoffittCorp.com**

Moffitt continuously improves our products. Specifications and dimensions are subject to change.
®The Moffitt logo is a registered trademark of Moffitt in the U.S., Mexico, and Canada. | ©2026 Moffitt. All rights reserved. Version 1 | October 2026

## Mechanical Notes

## Electrical Notes

## Installation Notes

### Approval Drawing Review

| | NAME | DATE | SIGNATURE |
|---|---|---|---|
| APPROVED | | | |
| APPROVED AS NOTED | | | |
| REVIEW AND RESUBMIT | | | |

**PLEASE REVIEW THIS APPROVAL PACKAGE AND RETURN TO MOFFITT AS "APPROVED", "APPROVED AS NOTED", OR "REVISE AND RESUBMIT".**

1. FABRICATION OF PRODUCTS WILL NOT BEGIN UNTIL DRAWINGS HAVE BEEN RETURNED AS "APPROVED" OR "APPROVED AS NOTED".
2. FAILURE TO PROVIDE CORRECT INFORMATION OR APPROVE IN A TIMELY MANNER MAY AFFECT PROJECT LEAD TIME OR INSTALLATION OF EQUIPMENT
3. RETURNING DRAWINGS "APPROVED" WILL MEAN THAT ALL DETAILS SHOWN ARE TO BE CORRECT AND FABRICATION MAY BEGIN.
4. THE CUSTOMER MUST ALERT MOFFITT IN A TIMELY MANNER TO ANY CHANGES THAT OCCUR TO THE BUILDING INFORMATION SHOWN IN THESE DRAWINGS, SUCH AS LAYOUT, OPENING SIZES, OR SPECIFICATIONS OF EQUIPMENT. CHANGES MAY RESULT IN SCHEDULE OR CONTRACT CHANGES.

## Engineering

**Selected By**

**Reviewed By**

**Date Submitted**

## Warranty

Please scan the QR code (left) or visit *moffittcorp.com/warranty* for equipment warranty information.



Moffitt continuously improves our products. Specifications and dimensions are subject to change.
®The Moffitt logo is a registered trademark of Moffitt in the U.S., Mexico, and Canada. | ©2026 Moffitt. All rights reserved. Version 1 | October 2026