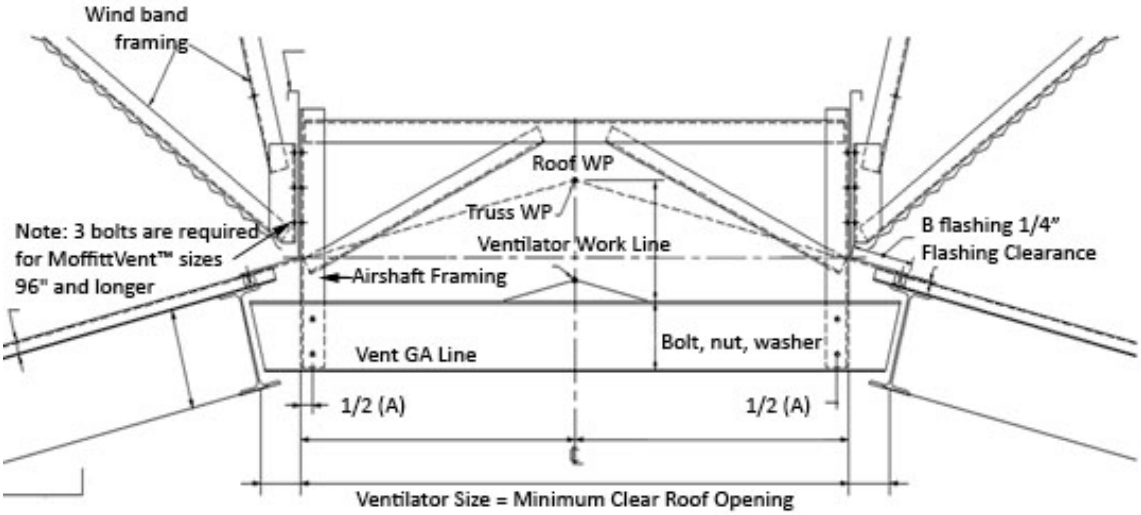
Moffitt™ Ventilation Solutions

MOFFITTVENT LARGE NATURAL VENTILATOR

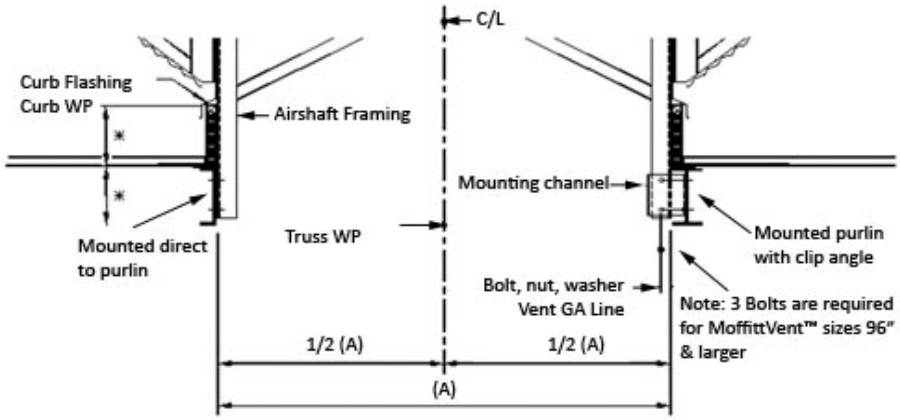
MOUNTING DETAILS

See the diagrams below for typical mounting, connection, and frame details for the MoffittVent.



The following information is required to properly size and mount a MoffittVent.

- "W" beams or purlin truss spacing
- Size, weight, and type of mounting base
- Roof depth and layer details



NOTE: The following materials and services are not provided by Moffitt

- Channel diaphragm, or holes in channel diaphragm
- "W" Beams or holes in "W" beams
- Closure and Closure Screw
- Roof Purlins
- Roofing

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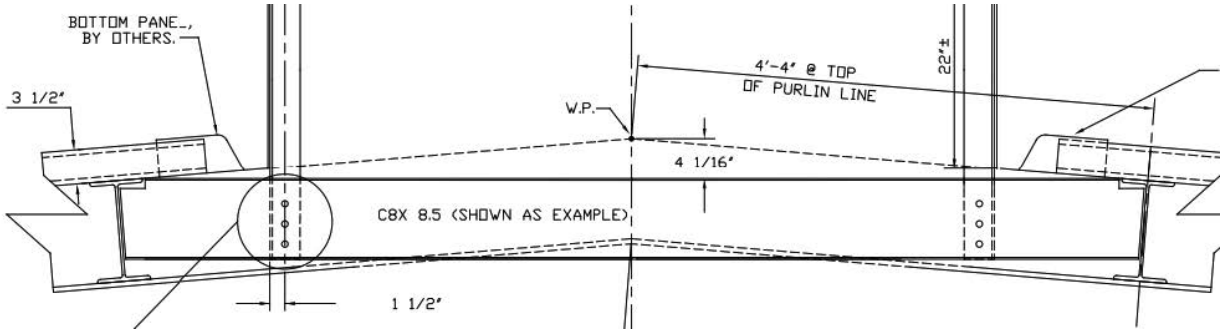

MoffittVent mounts at the peak / ridge, downslope, or on a flat roof depending on the building structure and environmental requirements. The typical mounting for the MoffittVent utilizes a C channel spanning between the building steel at the peak. The airshaft frame is then connected to the existing structural steel by mounting hardware, which is typically included with the MoffittVent.

When placing the MoffittVent, the installer must ensure the structural integrity of the construction. The Moffitt team will determine the best mounting options for your building.

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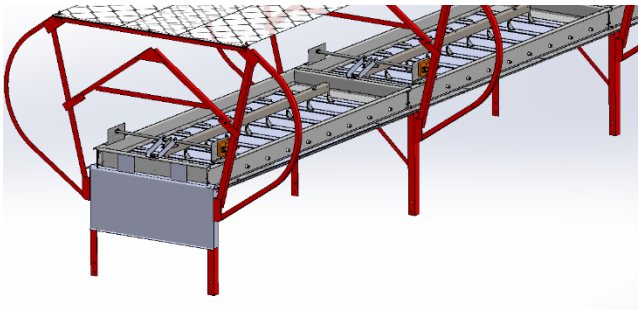
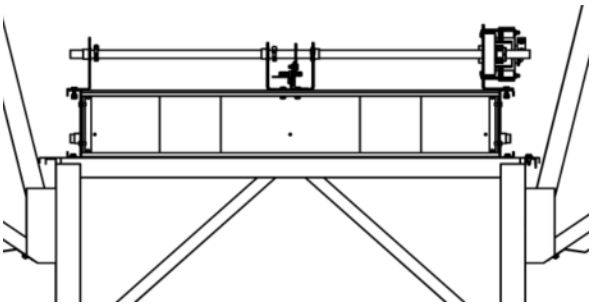
DAMPER DETAILS



MoffittVent with Damper Installed



Damper Detail Drawing

The MoffittVent can be fitted with an internal damper to shut off airflow through the unit. The damper is most often used in environments that experience very cold temperatures in which retaining the warm air can be beneficial. A powered linear actuator is default but a manual operator without an actuator is also available.

- Actuator: The typical operator is a 115 VAC motorized linear actuator with a 4” stroke. Each operator is designed to actuate a 30’ operating section, or three standard modules. The standard damper includes an actuator for each 10’ section, as well as the equipment to mount the actuator itself. Consult the Moffitt team if a larger operating section is needed.
- Manual Operator: Manual systems vary depending on the building layout, roof height, and other factors. The Moffitt team can detail the options available for your system.