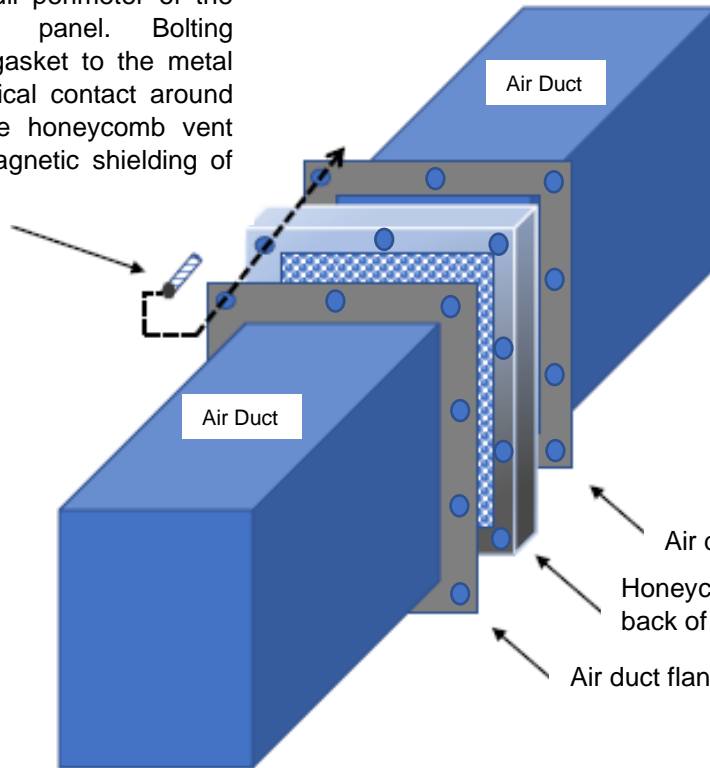


## INSTALLATION OF A HONEYCOMB VENTILATION PANEL INTO AN AIR DUCT

Bolt at each vent panel mounting hole through air duct flanges at 10-12 in./lb. torque on every bolt around the full perimeter of the honeycomb ventilation panel. Bolting compresses the EMI/RFI gasket to the metal wall making good electrical contact around the full perimeter of the honeycomb vent panel enabling electromagnetic shielding of the ventilation opening.



### Note #1:

Air duct flanges – The air duct flanges need to be at a sharp 90 deg. angle from the air duct and have a 0.5 in. width to accommodate the area of the vent panel EMI/RFI gasket. Vent panels have a 0.5 in. wide frame; therefore, the outer perimeter is 1.0 in. larger than the airduct.

In addition, the EMI/RFI gasket needs to make good electrical contact on the air duct flange around the full perimeter of the honeycomb ventilation panel.

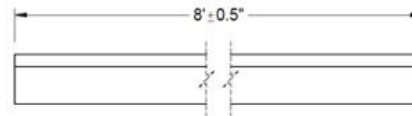
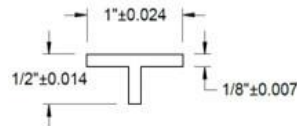
Air duct flanges (highlighted gray but same airduct material)

Honeycomb ventilation panel with an EMI/RFI gasket on the front and back of the panel.

Air duct flanges (highlighted gray but same airduct material)

### Note #2 Installation of vent panels in airducts that are over 36 in. x 36 in. :

If the vent panel plating requirement is either tin or nickel and the airduct is larger than 36 inches in either the X or Y dimension; MAJR Products will fabricate two vent panels for the airduct area. A "T" extrusion is recommended to be welded in the center of the airduct to enable mounting of the two vent panels. See figure below:



Michael J. Oliver

