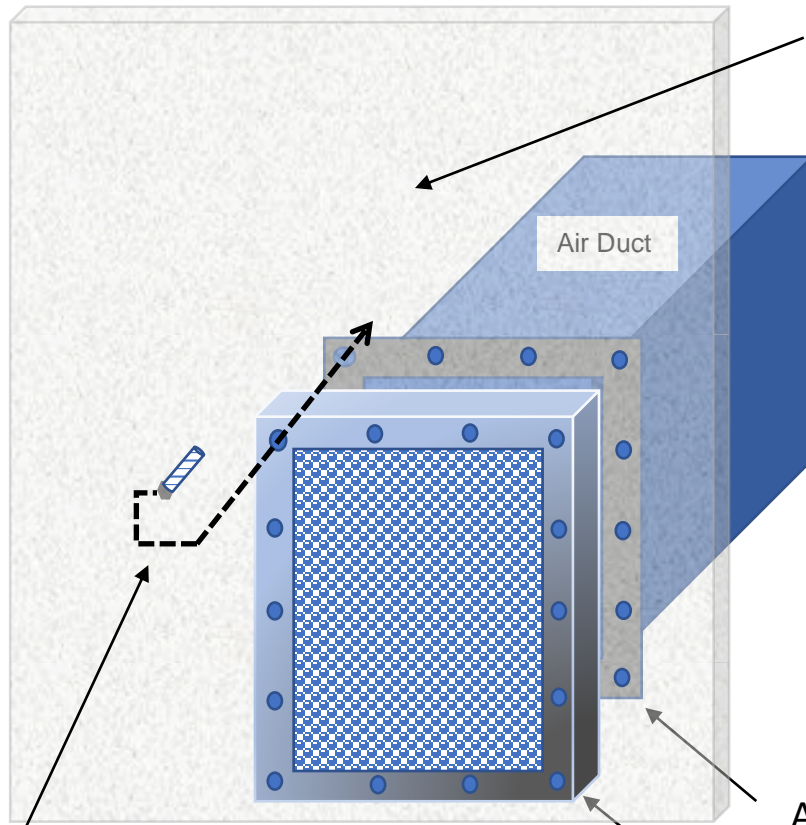


INSTALLATION OF A HONEYCOMB VENTILATION PANEL ON AN AIR DUCT



Metal wall of Shielded enclosure

Note #1

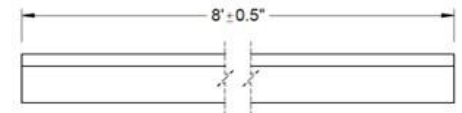
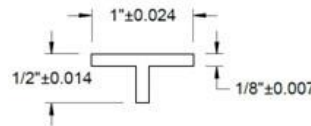
Electromagnetic shielding of ventilation opening:

The ventilation panel EMI/RFI gasket needs to make good electrical contact on the metal wall, around the full perimeter of the honeycomb ventilation panel. Vent panels have a 0.5 in. wide frame; therefore, the outer perimeter is 1.0 in. larger than the airduct. Make sure the metal surface where the ventilation panel EMI/RFI gasket will be mounted is cleaned and free of any non-conductive film or coating.

Note #2

Installation of vent panels 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:



Air duct flanges

Honeycomb ventilation panel (EMI/RFI gasket located on air duct side)

Bolt at each vent panel mounting hole, through metal wall, and ductwork of the shielded enclosure at 10-12 in./lb. torque. Bolting compress 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.

Michael J. Oliver

