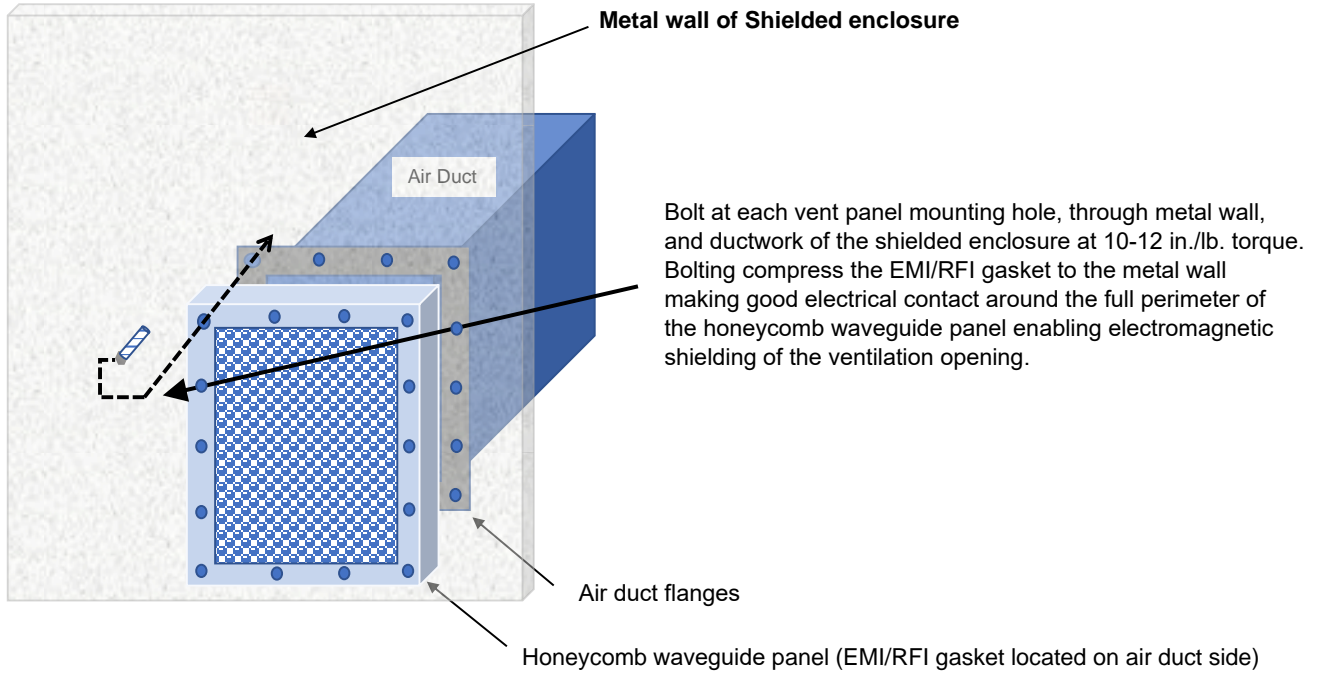


Installation of a Honeycomb Waveguide Panel On an Air Duct



For optimal operation of the Waveguide, make sure there is tight compression and complete electrical contact between the full perimeter of the panel gasket and the metal wall.

To install a Waveguide panel on an air duct via the metal wall of a shielded enclosure:

1. Thoroughly clean any surface the panel will come in contact with.

Remove any non-conductive films or coating from surfaces.
- 2.
3. Place the Honeycomb Waveguide panel over the ductwork opening and bolt through the panel, metal wall and air duct flange at each mounting hole on panel using 10-12 in./lb torque.

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 waveguide panel. Vent panels have a 0.5 in. wide frame; therefore, the outer perimeter is 1.0 in. larger than the air duct. 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 For installation of panels with any dimension greater than 36 inches or Tin or Nickel plating:

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

