



CARTER
ARCHITECTURAL PANELS INC

“Changing the Standard by Design”
BUILDING ENVELOPE SOLUTIONS

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FUSION™ Manufacturing Instructions

In summary,

- 1) Fusion flat patterns must be cut on a router
- 2) The fusion system is based on panel system using a 1.063”(outside dimension) return anywhere the extrusion is to be mounted.
- 3) We set our v-cut bend line at 1.02” from the outside edge of the flat panel
- 4) .188” diameter holes are predrilled by the router at .420” from the outside edge of the flange in flat pattern (the cut edge, not the bend line)
- 5) The first rivet hole is to be set at 1.75” from the edge of the finished panel, and spaced no more than 16” on center after that.
- 6) After routing, the holes are countersunk using a 120 degree mechanically adjustable countersink, on the finished side of the panel (painted side)
- 7) The panels are then formed and extrusion installed. The extrusion must be held tight to the flange during rivet compression.
- 8) Pneumatic rivet guns are strongly recommended.
- 9) The rivets used in this system are very specific to this application, and must not be substituted with any other rivet design.
- 10) Corner brackets are then installed using #8 self-drilling screws. Ensure that the screw penetrates the back side of the extrusion at the same in the same height that the rivets are installed.