

SECTION 07 42 43 COMPOSITE WALL PANELS

PART 2 PRODUCTS

2.2 AUXILIARY MATERIALS

A. PANEL FASTENING SYSTEM

- 1.) Fastening Rail Brackets: Three component adjustable bracket consisting of a base plate assembly with an internally threaded post, a top plate assembly with an outwardly threaded post and an insulation retaining device. Base plate to have two apertures at locations above and below the internally threaded post for the base plate fasteners. Base plate internally threaded post length to match the thickness of the cavity insulation. Base plate and top plate assemblies to be fabricated from C1008/1010 CR steel with zinc and yellow chromate plating applied after bracket fabrication (or 304 stainless steel). Insulation retaining device to be fabricated from polycarbonate.
 - a. Stand-Off MPV Bracket by EXO-TEC Manufacturing, Inc. www.exo-tec.biz or equal.
- 2.) Fastening Rail: Metal flat stock, z-furring or hat furring of gauge required for the system structural requirements as prescribed by the structural engineer for the metal panel contractor. Finish of the fastening rail to be G90 galvanizing.
- 3.) Fasteners For Fastening Rail: Carbon steel fastener with hex head and anti corrosion coating with a self-drilling tip capable of tapping through the fastening rail and fastening rail bracket top plate. Size and length as prescribed by the structural engineer for the metal panel contractor.
 - a. Teks Select™ Composite Material-to-Metal Self-Drilling Screws with Teks® 3 self-drilling tip and Climaseal ACR® coating by ITW Buildex or equal

PART 3 INSTALLATION

3.2 AUXILIARY MATERIALS

A. PANEL FASTENING SYSTEM

- 1.) Layout locations of fastener rail bracket base plates based on LGMF stud locations and approved metal panel veneer shop drawings.

- 2.) Install fastener rail bracket base plates with two fasteners per base plate.
- 3.) Install cavity insulation.
- 4.) Install fastener rail bracket top plate into the fastener rail bracket base plate and adjust plane of top plate to the required plane per the approved shop drawings and jobsite conditions.
- 5.) Adjust insulation retainer to seat tightly against the cavity insulation without compressing it.
- 6.) Install fastening rail by fastening it to the top plate of the fastening rail bracket with the fasteners as prescribed by the structural engineer for the metal panel contractor and in the orientation as shown on the approved metal panel veneer shop drawings.