

Technical Bulletin #24b

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ATTACHMENT OF EXTERIOR CLADDINGS TO PREMIER SIPS

Premier SIPS are used in both commercial and residential applications. Through the years our panels have had nearly every type of exterior cladding applied to the face of the panels. The advent of new exterior claddings in the market place always brings the question of how the new product should be applied to the panel. This bulletin is a review of common claddings that are available and their attachment to panels.

Most exterior claddings, currently available in the market place, make reference that their product should be attached to the framing members of the structure. Premier SIPS do not incorporate framing members and therefore do not meet their written recommendations. A review of the requirements for attachment of the siding material typically calls out for the cladding to be attached with 8d nails 16" or 24" on center depending on the framing spacing. Using these values one can compare the pullout values for 8d nails into standard framing with the fastener pullout values listed in Technical Bulletins #11 and #12. This comparison shows that all claddings with the requirements of fastening to framing members can be matched by applying 8d ring shank nails 12" o.c. into Premier SIPS. This would include the attachment of standard sidings such as hardboard, cedar, redwood, composites and cementations sidings.

This type of comparison is also valid for the application of lath for stucco as well as brick tie placement. Typically, these products are attached to Premier SIPS by simply increasing the number of fasteners 25%. When a manufacturer calls out for fasteners 16" o.c. the fasteners would be placed in a Premier SIPS panel at a spacing of 12" o.c. This will allow the panel application to meet or exceed the pull out values required by the siding manufacturer. It should be noted that the fastener placement can be maintained at the siding manufacturer's recommendations provided a nail/staple is replaced with a screw. In all cases the fastener should be corrosion resistant.