



PFS Corporation

An Employee-Owned Company

Assurance you can build on[®]

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TO: All SIP Manufacturers

FROM: Ronald H. Reindl, A.I.A.
Vice President – Midwest Region

RE: **IRC 2007 Supplement – Section R614 (Structural Insulated Wall Panel)**

DATE: August 22, 2007

This memo is to inform all our Structural Insulated Panel Manufacturers that with the adoption of SIPs into the IRC, PFS Corporation can now certify your SIP panel to the IRC 2007 Supplement (copy enclosed) for Wall Applications.

The following is an outline of the program:

1. The application of the panel will be in accordance with Section R614.2 and applicable Tables.
2. The Core material must be in compliance with Section R614.3.1. PFS will need to verify that your core is in compliance with ASTM C 578 and shall have a core density of 0.90 lb./cu. ft. In addition, all core material must meet the requirement of Section R314.
3. The Facing material must be in compliance with Section R614.3.2. PFS will need to verify your facing material conforms to DOC PS 1 or DOC PS 2 and has a minimum thickness of 7/16" and has structural values that are equal to and/or greater than the values listed in table R614.3.2.
4. The Adhesive material must meet the requirements of Section R614.3.3. PFS will need to verify your adhesive conforms to ASTM 2559 or is ICC-ES listed in accordance with AC 05 (see attachment for requirements).
5. The installation of the Lumber, SIP Screws and SIP Wall Panels must follow the requirements of Section R614.3.4, R614.3.5 and R614.3.6 respectfully.
6. PFS Corporation will need to receive a Quality Assurance Manual following the guideline of ICC-ES AC-10. PFS will need to review and approve the manual. This will be performed at an hourly cost.



7. PFS Corporation will need to verify the bonding of the materials between the core adhesive and facing material. PFS will perform small tensile testing on the manufactured panel. Our lab will provide you with a cost for this testing.
8. A new manufacturer will need to enter into a PFS Trademark Listing Program. (For existing PFS Listing SIP manufacturers – this would be an update to the existing PFS Trademark Agreement.) PFS will provide you with a Listing contract.
9. For a new manufacturer, PFS Corporation will perform a plant certification at your plant to verify the panel materials and to verify that the QC manual is being implemented and followed. The plant certification will consist of a representative from our Corporate Office or from one of our Regional Offices and a local inspector. This cost will be hourly plus all expenses. (For existing PFS Listing SIP manufacturers, this plant certification would be an addendum to the existing plant certification.)
10. PFS Corporation will follow up the plant certification with quarterly in plant audits.
11. Conformance with the above items authorizes the manufacturer to use the PFS trademark on the panels.

If you are interested in the IRC program or have any questions, please let me know by emailing me back or calling me at (608) 839-1170.