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### **SUBJECT: FIRE-RESISTANCE-RATED ASSEMBLIES**

#### **WALL: TWENTY MINUTE RATING**

A Premier SIPS wall section faced with 1/2" gypsum board, with an electrical outlet and wiring in place was tested. Foam sealant was placed around the outlet opening following Premier Detail #PBS-108. The results from ASTM E119 testing showed that Premier SIPS, having electrical outlets, wiring and factory precut chases detailed per Premier Detail #PBS-108 and faced with 1/2" gypsum board, complies as a twenty-minute fire rating per the criteria of ASTM E119 (UL 263). Reference: ULR12389 89NK14D67.

A Premier SIPS wall section faced with a single layer of gypsum board was tested. The results from ASTM E119 testing showed that Premier SIPS when faced with 5/8" gypsum board exceeds the requirement of a twenty-minute fire rating per the criteria of ASTM E119 (UL263). Reference: SWRI Pro. No. 01-8305-52b.

#### **WALL: 1-HOUR RATING**

Premier SIPS with two layers of 5/8" Type X gypsum board applied to the face, having an outlet and wiring in place and an intumescent caulk placed around the electrical outlet opening complies as an hourly wall assembly per the criteria of ASTM E119 (UL 263). Please refer to ICC ESR-4524, Premier SIPS Wall Assembly, Section 4.2.1.1 Fire-resistance-rated Assemblies - View Here.

#### **WALL: 1-HOUR RATING**

Premier SIPS with one layer of 5/8" Type C gypsum board applied to the face and connected using (2) 2X dimensional lumber splines, 4' on center, and top plates complies as an hourly wall assembly per the criteria of ASTM E119 (UL 263). Please refer to ICC ESR-4524, Section 4.2.1.1 Fire-resistance-rated Assemblies.

#### **ROOF/CEILING: 1-HOUR RATING**

Premier SIPS with two layers of 5/8" Type X gypsum board applied to the face complies as an hourly roof/ceiling assembly per the criteria of ASTM E119 (UL 263). Please refer to ICC ESR-4524, Roof Assembly, Section 4.2.1.1 Fire-resistance-rated Assemblies.

All current code reports are available at [www.premiersips.com](http://www.premiersips.com).