

## System No. FW-S-1014

February 24, 2005

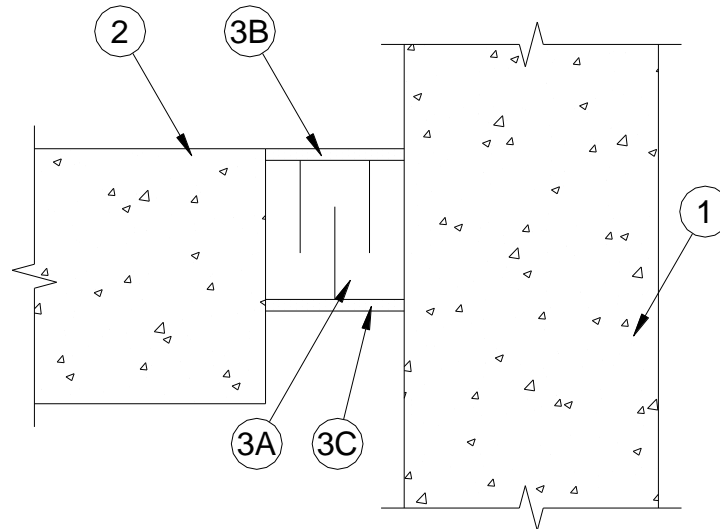
Assembly Rating - 4 Hr

L Rating at Ambient - Less than 1 CFM/Lin Ft

L Rating at 400° F - Less than 1 CFM/Lin Ft

Joint Width - 3 In. Max

(UL/cUL)



- 1. Wall Assembly** – Min 5-1/2 in. (140 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) structural concrete. Wall may also be constructed of any UL Classified **Concrete Blocks\***.  
  
See **Concrete Blocks (CAZT)** category in the Fire Resistance Directory for names of manufacturers.
- 2. Floor Assembly** – Min 5-1/2 in. (140 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/m<sup>3</sup>) structural concrete.
- 3. Joint System** – Max width of joint is 3 in. (76 mm). The joint system shall consist of the following:
  - A. Forming Material\*** – Min 1 in. (25 mm) thick 6.0 pcf (96 kg/m<sup>3</sup>) ceramic fiber blanket insulation installed in joint opening as a permanent form. Insulation cut and pleated to form a unit 3 in. (76 mm) deep and installed edge-first into joint opening such that sections of insulation unit are compressed a min of 50 percent. Ceramic blanket to be recessed from top surface of floor to accommodate the required thickness of fill material. Adjoining lengths of insulation to be tightly-butted with butted seams spaced min 36 in. (914 mm) apart along the length of the joint.  
  
TREMCO INC – TREMstop FS Blanket
  - B. Fill, Void or Cavity Material\*** – Min 1/2 in. (13 mm) thickness of fill material applied within the joint, flush with top surface of floor.  
  
TREMCO INC – Dymeric 240FC
  - C. Fill, Void or Cavity Material\*** – (Optional) - When Fyre-Sil, TREMstop Acrylic or Dymeric 240FC is used, min 1/4 in. (6 mm) thickness of fill material applied to bottom surface of ceramic fiber insulation. When TREMstop Acrylic SP is used, min 1/8 in. (3 mm) (wet) thickness of fill material spray or brush applied to completely cover bottom surface of ceramic fiber insulation and lap min 1 in. (25 mm) onto each edge of concrete.  
  
TREMCO INC – Fyre-Sil, TREMstop Acrylic, TREMstop Acrylic SP or Dymeric 240FC

\*Bearing the UL Classification Mark



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