



**System No. FW-S-0006**  
**XHBN.FW-S-0006**  
**Joint Systems**

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**Design/System/Construction/Assembly Usage Disclaimer**

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and materials.
  - Authorities Having Jurisdiction should be consulted before construction.
  - Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
  - When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
  - Only products which bear UL's Mark are considered Certified.
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**XHBN - Joint Systems**

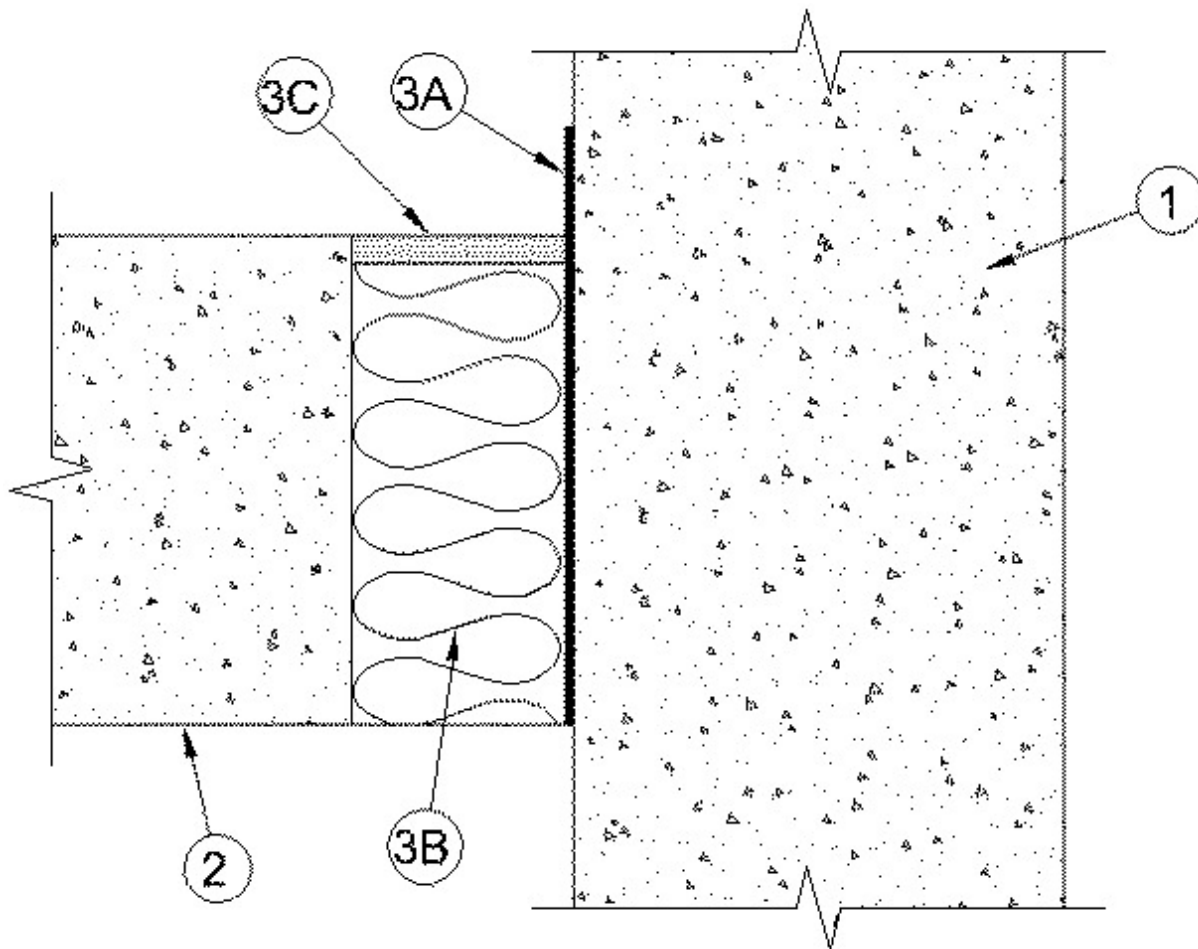
[See General Information for Joint Systems](#)

**System No. FW-S-0006**

February 17, 2005

**Assembly Rating - 2 Hr**

**Joint Width — 2 in. Max.**



1. **Wall Assembly** — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) 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 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) structural concrete.

3. **Joint System** — Max width of joint is 2 in. The joint system shall consist of the following:

A. **Membranes\*** — (Optional) - Min 5-1/2 in. width of membrane applied to either inside surface of joint, flush with bottom of joint and extending a min of 1 in. on wall surface above joint or overlapping min 1 in. onto top surface of floor. Each adjoining length of membrane shall overlap previous length by 2 in. Prior to application of membrane, Blueskin Primer applied to concrete surface at a min application rate of 0.04 psf.

**HENRY COMPANY L L C** — Blueskin SA and SA-LT

B. **Forming Material\*** — Min 4 in. thickness of min 4 pcf mineral wool batt insulation installed in joint opening as a permanent form. Pieces of batt cut into strips and installed edge-first into joint opening, parallel with joint direction, such that batt sections are compressed min 30% in thickness and that the compressed batt sections are flush with top surface of floor. Adjoining lengths of batt to be tightly-butted with butted seams spaced min 24 in. apart along the length of the joint. Forming material recessed from top surface of floor as required to accommodate the required thickness of fill material.

**A/D FIRE PROTECTION SYSTEMS INC** — A/D FIREBARRIER Mineral Wool

C1. **Fill, Void or Cavity Material\* - Seal** — Min 1/8 in. thickness of fill material (Seal NS), sprayed or brushed to the top surface of joint to completely cover mineral wool and overlapping onto concrete surface a min of 1/2 in. on each side of joint.

**A/D FIRE PROTECTION SYSTEMS INC** — A/D FIREBARRIER Seal NS

C2. **Fill, Void or Cavity Materials\* - Sealant** — (as an alternative) Min 1/4 in. thickness of fill material, applied within the joint, flush with top surface of floor.

**\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

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