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.

System No. FF-D-1138
XHBN.FF-D-1138
Joint Systems

XHBN - Joint Systems
XHBN7 - Joint Systems Certified for Canada

See General Information for Joint Systems
See General Information for Joint Systems Certified for Canada

System No. FF-D-1138
November 01, 2013

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<tr>
<th>ANSI/UL2079</th>
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<tr>
<td>Assembly Rating - 2 Hr</td>
<td>F Rating - 2 Hr</td>
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<tr>
<td>Nominal Joint Width — 4in.</td>
<td>FT Rating - 2 Hr</td>
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<td>Class II and III Movement Capabilities - 50 % Compression or Extension</td>
<td>FH Rating - 0 Hr</td>
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<td></td>
<td>FTH Rating - 0 Hr</td>
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<tr>
<td>Nominal Joint Width — 102 mm</td>
<td>Class II and III Movement Capabilities — 50 % Compression or Extension</td>
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</table>
1. **Floor Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete.

2. **Joint System** — Nominal width of joint (at time of installation of joint system) is 4 in. (102 mm) The joint system is designed to accommodate a max 50 percent compression or extension from it's installed width. Installation width may exceed or be less than 4 in (102 mm) provided installation width plus max. extension width does not exceed 6 in. (153 mm). The joint system shall consist of the following:

   A. **Mechanical Joint Assembly*** — Flexible multiple layer mat and foam fire barrier shall be installed in accordance with the installation instructions accompanying the units.

   **BALCO INC** — MetaBlock™

   B. **Joint Cover** — Min 20 ga. joint cover and retaining strap formed from aluminum, bronze, stainless or galv steel and secured in accordance with manufacturer's instructions.

   * 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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The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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