



BXUV.K920

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.

BXUV - Fire Resistance Ratings - ANSI/UL 263 Certified for United States

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

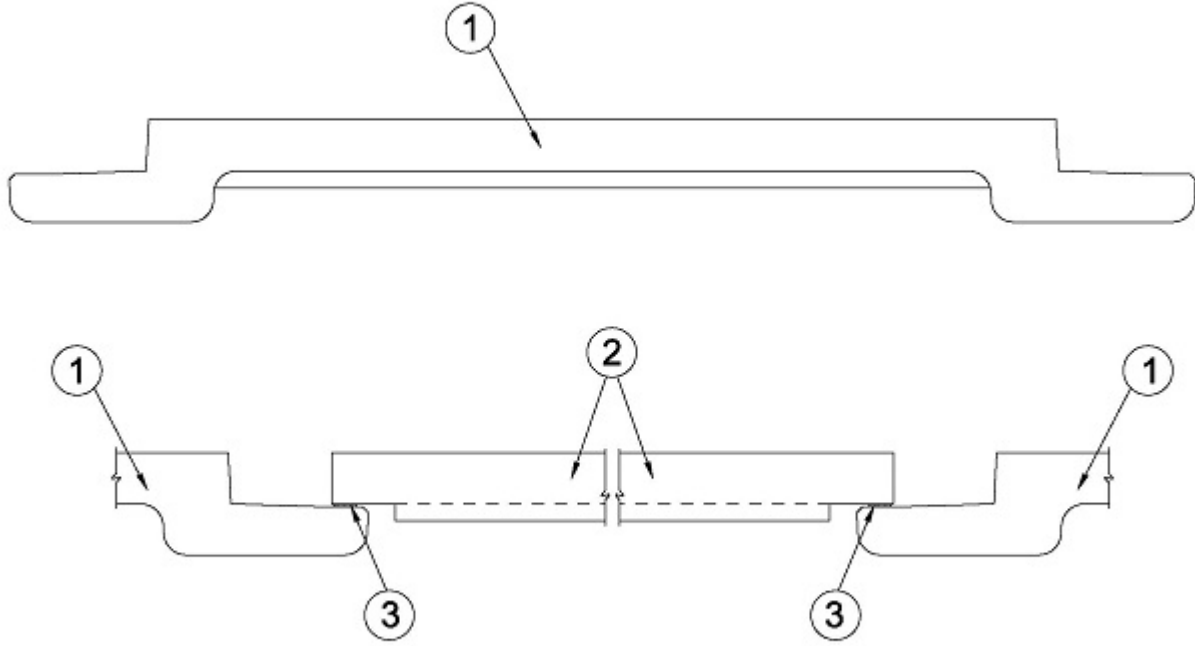
[See General Information for Fire-resistance Ratings - ANSI/UL 263 Certified for United States Design Criteria and Allowable Variances](#)

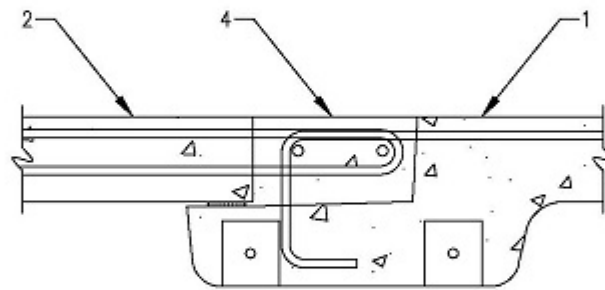
[See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada Design Criteria and Allowable Variances](#)

Design No. K920
September 27, 2021

Unrestrained Assembly Rating — 2 Hr.

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





1. **Precast Concrete Units*** — Precast floor sections having ribs spaced 10 ft. center to center intended to support precast Solid Planks which span between adjacent Ribbed Plank sections. Ribs shall have a minimum 9 in. depth from top of slab.

CLARK PACIFIC — Type Ribbed Plank

2. **Precast Concrete Units*** — Precast minimum 4-1/2 in. thick floor sections installed between adjacent Ribbed Plank sections. Solid Planks shall extend a minimum of 2-1/2 in. over each adjacent Ribbed Plank.

CLARK PACIFIC — Type Solid Plank

3. **Bearing Pads** — Minimum 1-1/2x4 in. bearing pads spaced maximum of 6 ft. OC. where Solid Planks bear on the ribs. Minimum 4x12 in. bearing pads located under each rib (not shown). Thickness to be determined by the installer. Solid Planks and Ribbed Planks shimmed at bearing pads as required to adjust elevation of adjacent planks.
4. **Closure Strips** — Normal weight concrete having a 4,000 psi minimum compressive strength shall be poured in the gap between adjacent precast units. Prior to the pour, a minimum of two deformed bars having a size of #4 or larger complying with ASTM A615 or ASTM A706 Gr80 or less shall be installed tying the rebar ties from each precast unit together.
5. **Non-Metallic Plumbing Components*** —(Not Shown) — Nominal 1/2 in. or less Pex Tubing bearing the UL Classification Marking as to Fire Resistance factory installed within Item 1 and 2. Additional Pex Tubing, manifolds, etc. installed under the precast floor components to complete the radiant floor heating system. Refer to manufacturer's instructions regarding the installation process.

Last Updated on 2021-09-27

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.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2021 UL LLC"