

Kingspan Insulated Panels, Inc.
Design No. KIP/FWPA 30-01
Vertical and Horizontal Symmetrical Wall Assembly
KingRib Insulated Panels
NFPA 285
Rating: Meets Conditions of Acceptance

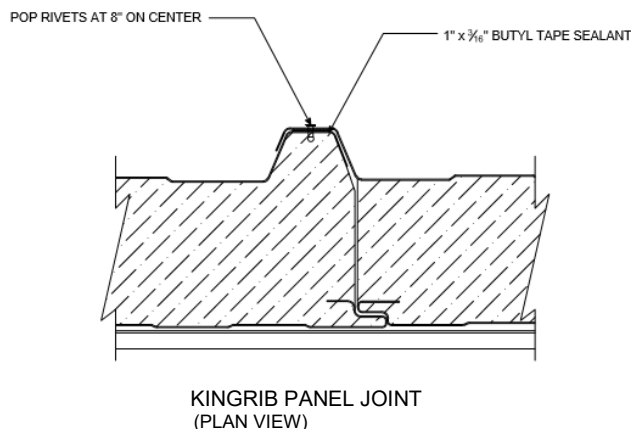


Figure 1 – Joint and Corrugation Profile

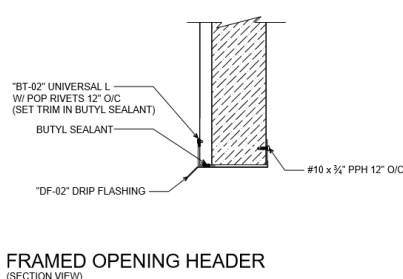


Figure 2A

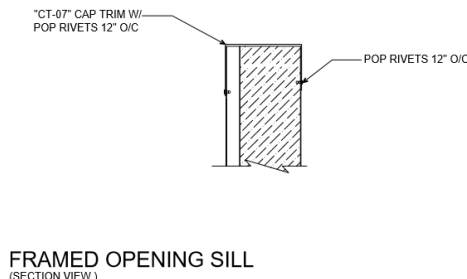


Figure 2B

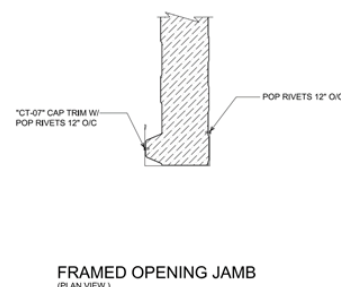


Figure 2C

1. INSULATED PANELS:

CERTIFIED PRODUCT: KingRib Insulated Panels

CERTIFIED MODELS: KingRib 3 and KingRib5

The 40 in. wide insulated metal panels have panel facings of min. 26 GA Grade 33 steel, ASTM A653 G90 or ASTM A792 AZ50 coated, and a core of medium density polyisocyanurate rigid foam.

Panels may be installed horizontally or vertically to the exterior side of steel framing. Install panels to steel framing members spaced a max. of 92 in. on center (oc) using TEK 3, TEK 4, or TEK 5 fasteners (1/4-14 diameter; length varies per panel thickness). The panels are held in place at the top, bottom, and sides by 26 GA steel cap trims along the wall perimeters. The panels are fastened to the cap sheet using pop rivets every 8 in. oc.



JOINTS AND SEAMS – See joint profile shown above in Figure 1.

2. **OPENING:** Fasten steel drip flashing and trim around the perimeter for the opening using pop rivets every 12 in. oc. See Figures 2A, 2B, and 2C for details.
3. **EXTERIOR METAL CLADDING (Optional, Not Shown):** Single-skin steel cladding shall be

installed over the KingRib Panels. The cladding may be fastened to the KingRib Panels directly or to horizontal tracks that are attached to the panel. Attachment details must be in accordance with the design specification.

4. **FLOORLINE FIRESTOPPING (Not Shown):** Min. 4 pcf mineral wool in each stud cavity at each floorline attached with Z-clips or equivalent.

Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.