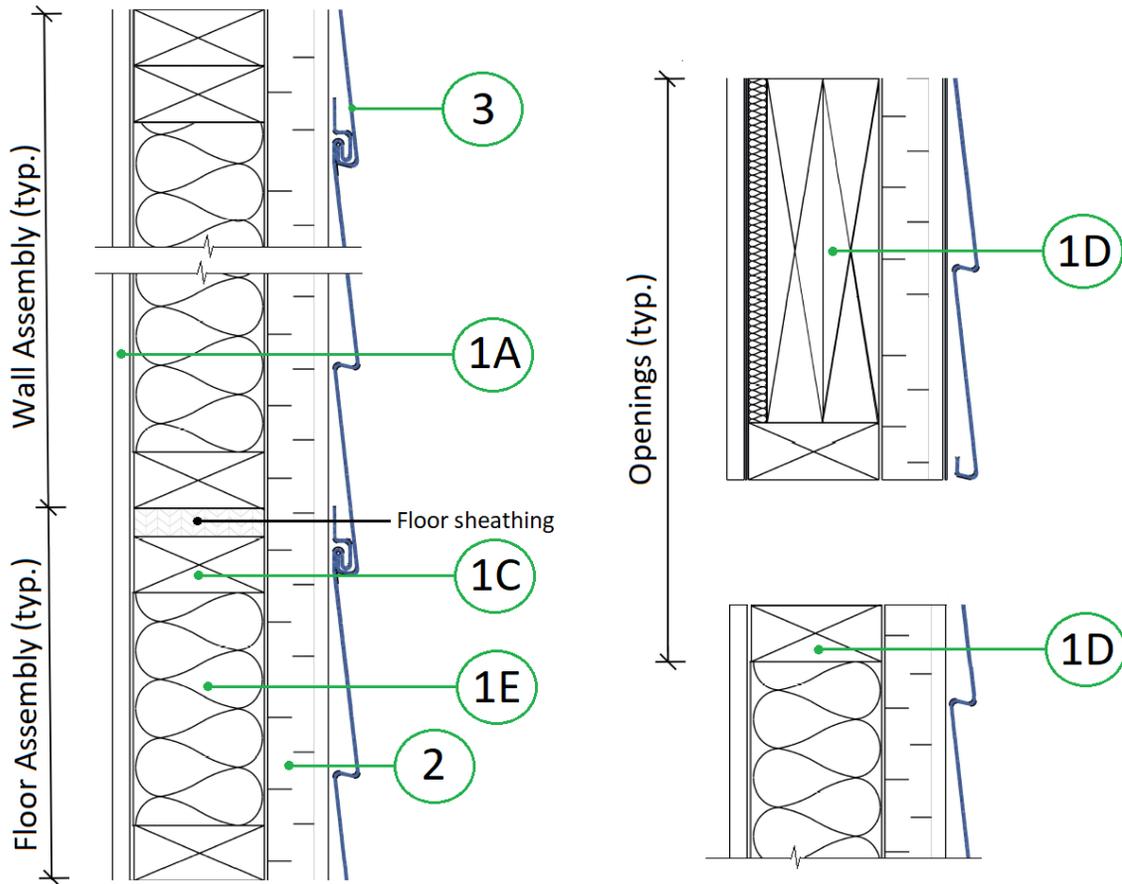


BTRboard Inc.
Design No. BTR/FWPA 25-01
Insulated Exterior Wall Sheathing
BTRboard – Fire X
CAN/ULC S134
Rating: Meets Condition of Acceptance



1. EXTERIOR WALL ASSEMBLY: The wall assembly is to be used in accordance with the requirements of the applicable Building Code or as approved by the Authority Having Jurisdiction. The structural capacity of the framing shall be verified and confirmed by the engineer of record, ensuring that the framing design meets all applicable load-bearing requirements and complies with the relevant structural standards for the specific assembly.

The wall assembly shall include the following:

- A. **INTERIOR SHEATHING** – One layer of min. 12.7 mm thick Type X gypsum board, complying with ASTM C1396/C1396M, in horizontal or vertical orientation, fastened to framing using min. 41 mm long x 3.5 mm diameter coarse-threaded drywall screws at max. 305 mm on center (oc) vertical spacing.



Horizontal blocks installed between studs as required to maintain 203 mm fastener spacing along the perimeter of the sheathing. Two coats of gypsum joint compound applied over joints and screw heads.

- B. VAPOR BARRIER (Optional, Not Shown) – One layer of 6 mil polyethylene vapor barrier fastened using 8 mm staples and sealed with acoustical sealant along the perimeter of the framing.
- C. FRAMING – Min. 2x4 SPF #2 Grade studs, with max. 406 mm oc spacing, using 88.9 mm long x 3.33 mm diameter smooth-shank nails.

For wall assembly, studs are fastened to double top plates and a single bottom plate. For floor assembly, studs are fastened to single plate and 18.25 mm OSB floor sheathing on the top and a single bottom plate.

- D. OPENINGS – Above openings, fasten double 2x10 lintels to the top and bottom plates using min. 88.9 mm long x 3.33 mm diameter smooth-shank nails. Remaining stud cavity on the interior side filled with insulation filler.

Below openings, fasten a single top plate to cover the wall.

- E. INSULATION – Min. 89 mm thick, R12 fiberglass batt insulation conforming to CAN/ULC S702 filled within stud cavity.
- F. CERTIFIED PRODUCT – BTRboard Inc., BTRboard – Fire X Insulated Exterior Wall Sheathing.

One layer of BTRboard – Fire X fastened to the framing in the vertical orientation using 88.9 mm long x 3.33 mm diameter ring-shank nails at 203 mm vertical spacing and along the perimeter, and 406 mm horizontal spacing.

Horizontal blocks installed between studs as required to maintain 203 mm fastener spacing along the perimeter of the sheathing.

- 2. **EXTERIOR MEMBRANE (Not Shown):** DuPont Tyvek® HomeWrap® fastened with 8 mm staples to BTRboard – Fire X.
- 3. **CLADDING:** 1.07 mm thick vinyl siding, complying with ASTM D3679, fastened in the horizontal orientation using 63.5 mm x 15 GA staples at max. 406 mm spacing.

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.