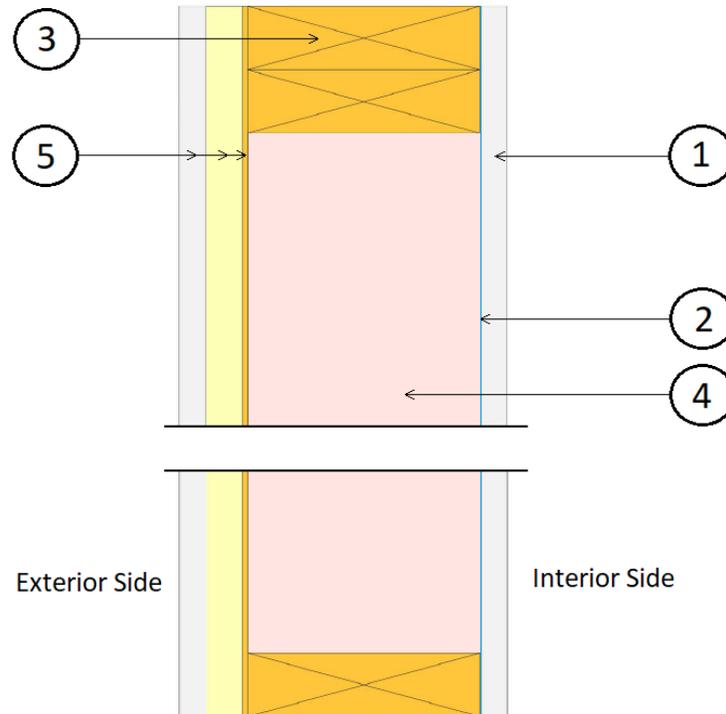


BTRboard Inc.
Design No. BTR/FWPA 45-01
BTRboard – Fire X
ASTM E119 and CAN/ULC S101
Rating: 3/4 Hour (Rating from the Interior Side Only)
Non-Symmetrical, Load Bearing Wall Assembly



1. **GYPSUM BOARD:** One layer of 5/8 in. Type X gypsum wallboard, complying with ASTM C1396, oriented horizontally on the interior side and fastened to the studs spaced at 16 in. on center (oc) horizontally, using #6 x 1-5/8 in. coarse-threaded drywall screws spaced at 12 in. oc vertically. Two coats of gypsum joint compound applied over joints and screw heads.
2. **VAPOR BARRIER (Optional):** One layer of 6 mil polyethylene vapor barrier stapled and sealed with silicone sealant along the perimeter.
3. **WOOD FRAMING:** Min. 2x6 SPF, or any wood species with a specific gravity of 0.42 or greater,

wood studs spaced at 16 in. oc, using 3.5 in. common framing nails, double top plates, and single bottom plate.

4. **INSULATION:** 6 in. thick R-20 fiberglass batt insulation conforming to CAN/ULC S702 or ASTM C665.

5. CERTIFIED PRODUCT:

EXTERIOR WALL SHEATHING – One layer of BTRboard – Fire X oriented vertically with the gypsum board on the exterior side and fastened to the studs spaced at 16 in. oc horizontally, using 3.5 in. common nails spaced 6 in. oc vertically.



6. **EXTERIOR MEMBRANE (Not Shown):** Code-compliant water-resistive barrier attached to the exterior side of the wall in accordance with the manufacturer's installation instructions.
7. **CLADDING (Not Shown):** Code-compliant cladding attached to the exterior side of the wall in accordance with the Code and the manufacturer's installation instructions.
8. **LOADING:** The assembly has been qualified at full design load.

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.