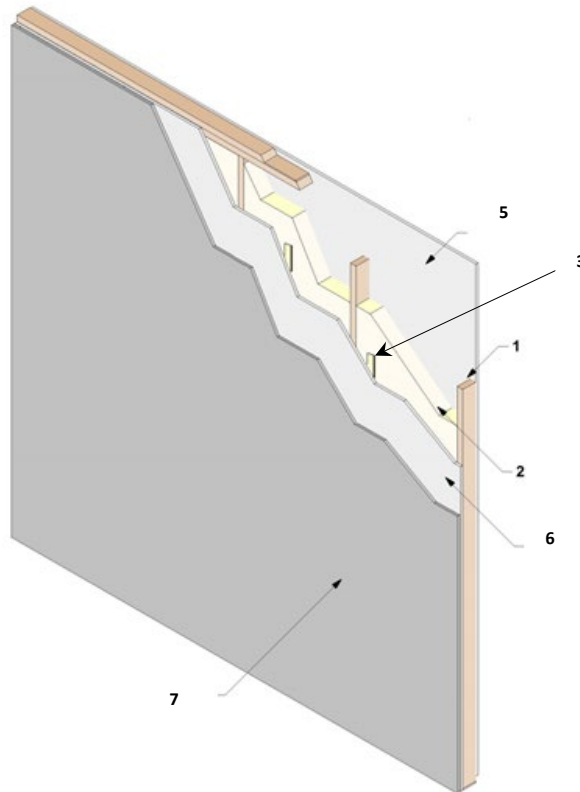

James Hardie Building Products
Design No. JH/FCS 60-07
James Hardie Fiber Cement Siding
ASTM E119, CAN/ULC S101
Non-Symmetrical, 1 Hour Limited Load-Bearing Wall Assembly,
Max. Load – 31% of NDS Full Design Load (Rating applies to both sides)



- 1. WOOD STUDS:** Nominal 2 in. × 4 in. solid sawn wood studs located 16 in. on center (oc), with two top plates and a single bottom plate.
 - Min. 4.574 in. wide × 3/4 in. thick James Hardie Horizontal Steel Furring installed per manufacturer's installation instructions (min. 18 GA 33 ksi metal)
- 2. INSULATION:** Min. 3 in. thickness, 3 pcf mineral fiber batt insulation (rockwool), conforming to ASTM-C665 Type I, friction fit in joist cavities.
- 3. FURRING (Optional):**
 - Min. 1-1/2 in. wide × 3/8 in. thick furring (Wood: Min. 0.42 s.g.; Metal: Corrosion Resistant min. 20 GA 33 ksi metal hat channel, z-girt or u-bar), or
- 4. WOOD SHEATHING (Optional, Not Shown):** Install one layer of wood structural panel sheathing on Item 1.
- 5. GYPSUM WALLBOARD, SIDE A:** 5/8 in. Type X gypsum wallboard installed horizontally or vertically and fastened with min. 1-7/8 in. long cup-head gypsum board nails or equivalent Type W screws, 8 in. oc at board perimeter and in field areas of boards.



- 6. FIBRE-CEMENT BOARD, SIDE B:** Hardie®Backer EZ Grid®, Hardie®Backer 500, Hardie®Backer with HydroDefense™, Hardie®Backer Underlayment, 1/4 in. Hardie®Backer Pro, and 1/2 in. Hardie®Backer Pro backerboard, installed in accordance with the manufacturer's installation instructions.
- 7. CERAMIC TILE:** Nominal 4 in. × 4 in. × 1/4 in. standard grade ceramic wall tile on the fire-exposed side.

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.