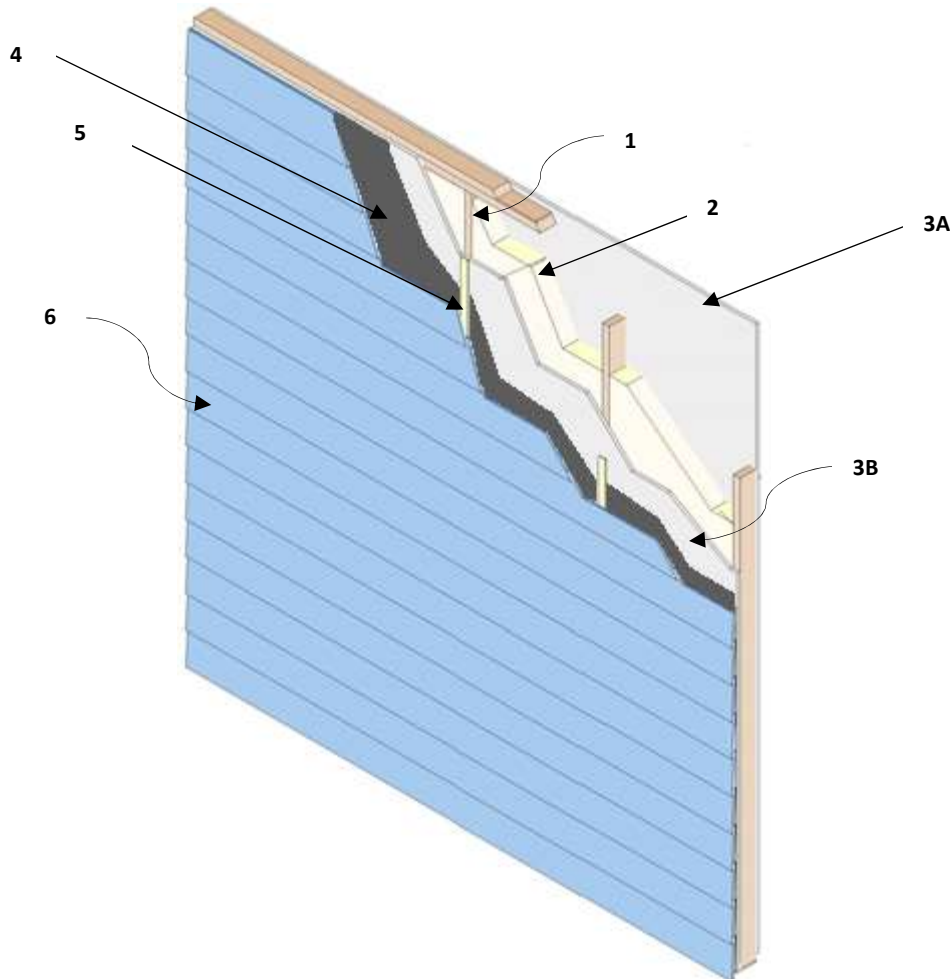

**James Hardie Building Products
JH/FCS 60-04
James Hardie Fiber Cement Siding
ASTM E119, CAN/ULC S101
Non-Symmetrical, 1 Hour Load-Bearing Wall Assembly
Full Design Load per ASTM E119, 92% Design Load per CAN/ULC S101
(Rating applies to both sides)**



- 1. WOOD STUDS:** Nominal 2 in. × 4 in. solid sawn wood studs located 24 in. on center (oc), with two top plates and a single bottom plate.
- 2. CAVITY INSULATION (Optional):** R13 glass fiber batt insulation.
- 3. GYPSUM WALLBOARD, SIDE A:** 5/8 in. Type X gypsum wallboard, oriented vertically and fastened with 1-3/4 in. cup-head gypsum nails, spaced 7 in. oc at board edges and in field areas, or 1-1/2 in. Type S drywall screws, spaced 8 in. oc at board edges and in field areas of boards.



GYPSUM SHEATHING, SIDE B: 1/2 in. Type X or 5/8 in. Type X gypsum sheathing fastened with 1-3/4 in. long roofing nails spaced 7 in. oc. Sheathing edge joints shall be staggered from those on opposite sides of the wall.

4. **ADDITIONAL LAYER(S) (Optional):** Any one or two of the following components can be used in any order outward of the gypsum sheathing (Item 3B):

COMPONENT 1 – EXTERIOR INSULATION: The exterior insulation may be installed up to the max. thickness and density recognized in the certification document.

- ICC-ES AC377 certified open cell, spray-applied polyurethane insulation
- ASTM C578 certified extruded polystyrene (XPS) insulation
- ASTM C1289 certified polyiso insulation
- Mineral wool batt insulation

COMPONENT 2 – WOOD STRUCTURAL PANEL SHEATHING:

- Code prescribed wood structural panel sheathing

One layer of the Wood Structural Panel Sheathing may also be installed on the interior of Item 3B.

5. **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

- 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)

6. **CERTIFIED MANUFACTURER:** James Hardie Building Products Inc.

CERTIFIED PRODUCT: HardiePlank® smooth and textured Lap Siding (HZ5 and HZ10), CemPlank® Lap Siding, Prevail® Lap Siding, HardieShingle® smooth and textured (HZ5 and HZ10), Artisan® Shingle, HardiePanel® Vertical Siding smooth and textured (HZ5 and HZ10), CemPanel® Vertical Siding, Prevail™ Panel Siding, Artisan® Lap Siding, Artisan® V-Groove Siding, Artisan® Bevel Channel, Artisan® Square Channel, Artisan® Shiplap Lap Siding, Reveal®, and Pressed Reveal® sidings.

FIBRE CEMENT EXTERIOR SIDING:

HardiePlank® smooth and textured Lap Siding (HZ5 and HZ10), CemPlank® Lap Siding, Prevail® Lap Siding, HardieShingle® smooth and textured (HZ5 and HZ10), Artisan® Shingle, HardiePanel® Vertical Siding smooth and textured (HZ5 and HZ10), CemPanel® Vertical Siding, Prevail™ Panel Siding, Artisan® Lap Siding, Artisan® V-Groove Siding, Artisan® Bevel Channel, Artisan® Square Channel, Artisan® Shiplap Lap Siding, Reveal®, or Pressed Reveal® sidings installed in accordance with manufacturer's installation instructions.