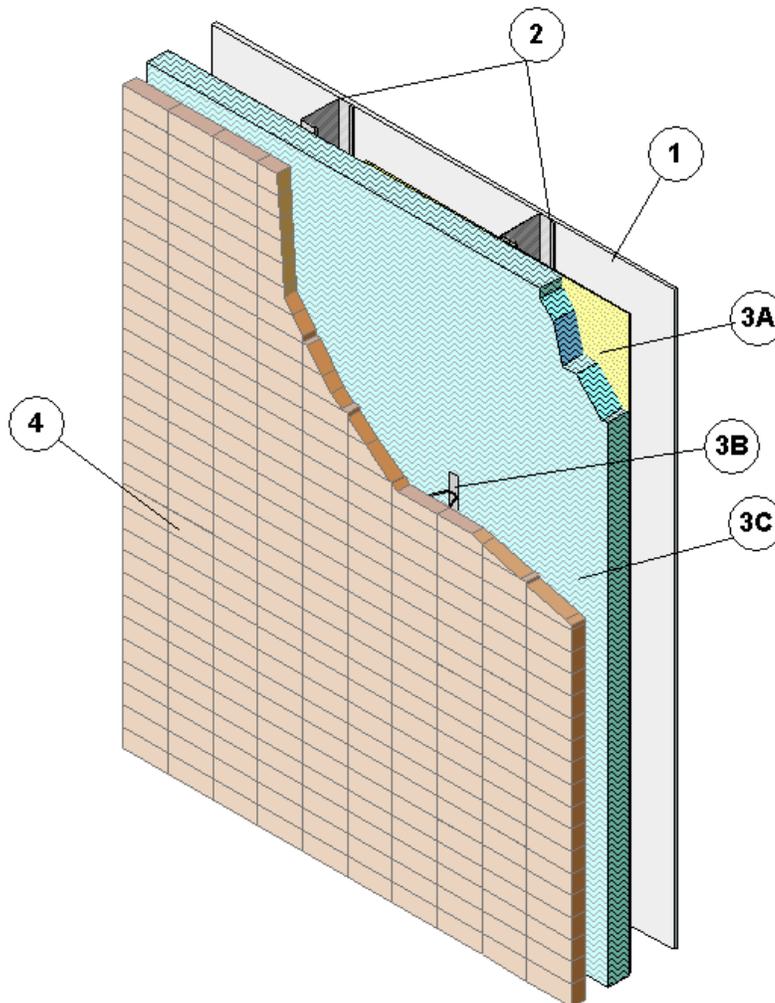

Design Number DUL/FI 30-02
Non-Load Bearing Wall System
Demilec USA, LLC
Heatlok Soy 200
NFPA 285 (2006)
Rating: ½ hour (30 minutes)



1. GYPSUM BOARD: 5/8-inch thick Type X gypsum board installed with long dimension perpendicular to steel studs (item 2). Attach studs with Number 6 Type S, 1-1/4 inch long bugle head screws 8-inches on center around perimeter and 12-inches on center in the field.

- A. JOINT TAPE AND COMPOUND – (Not Shown) vinyl or casein, dry or premixed joint compound applied to face layers of gypsum board (Item 1) in two coats to all exposed fastener heads and gypsum board joints. A minimum 2-inch wide paper, plastic, or fiberglass tape is embedded in first layer of

compound over joints in gypsum board (Item 1).

(Item 3A) using #14 X 5-inch long, TEK hex head, self-tapping screws.

2. STEEL STUDS: Install minimum 3-5/8 inch, 20 GA Galvanized steel studs Spaced maximum 24-inches on center. Secure studs to 20 GA steel tracks at the top and bottom using #8, 1/2-inch long pan head, framing screws. Install 16 Gauge lateral braces (not shown) 48-inches vertically on center. Secure bracing with #8, 1/2-inch long pan head, framing screws.

C. CERTIFIED MANUFACTURER:
Demilec USA, LLC

CERTIFIED PRODUCT:
Polyurethane Foam Insulation

MODEL: Heatlok Soy 200

EXTERIOR WALL INSULATION:
Install a nominal 3-1/4-inch thick, 2-pcf (± 0.15) density layer of Heatlok Soy 200 polyurethane foam applied over the sheathing (Item 3A).

3. EXTERIOR WALL COVERING:
Incorporate the following construction features into exterior wall assembly:

A. SHEATHING: Install 5/8-inch thick, GP DensGlass® Gold Sheathing water repellent gypsum perpendicular to steel studs (Item 2). Attach using #6 Type S, 1-1/4-inch long, bulge head, screws 8-inches on center around the perimeter and 12-inches on center in the field.

4. BRICK FINISH: Install 4-inch, red clay, brick (3-5/8 inch X 2-1/4 inch X 7-5/8 inch) laid in a running bond pattern. Use Type N mortar, leaving a nominal 2-inch wide air gap between the brick and the exterior wall insulation (Item 3C). Install nominal 4-inch X 4-inch X 94-inch steel lintel over the window extending 8-inches past window edge.

B. ANCHORS: Install 4-inch brick ties, spaced 24-inches on center vertically on each steel stud (Item 2), securing them through sheathing