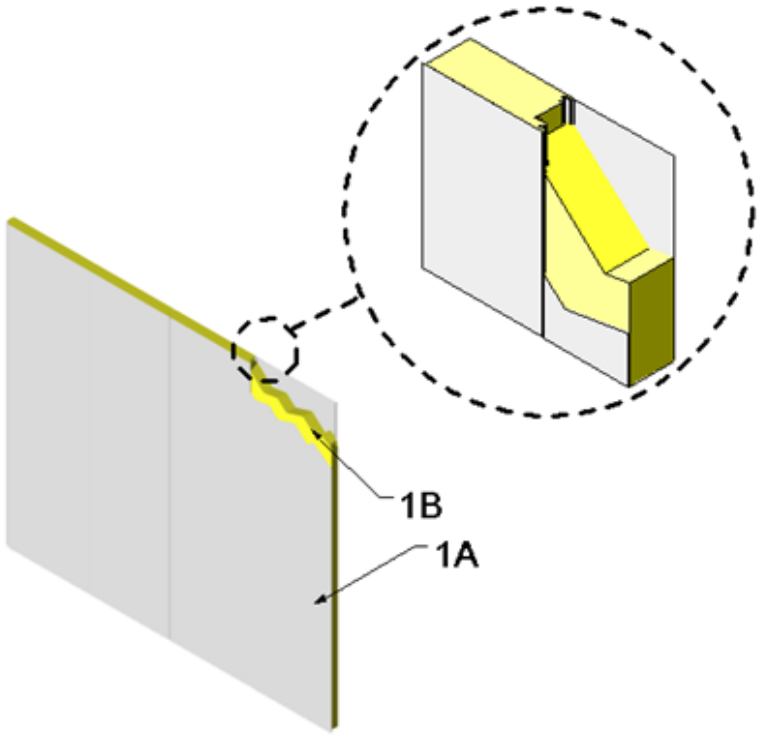
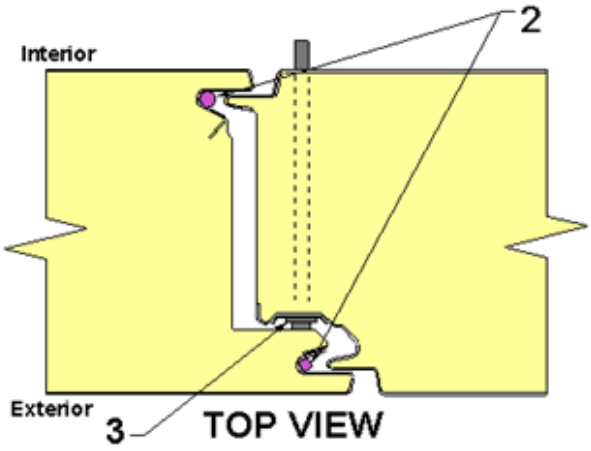
Design Number MBC/CWP 30-01
Non-Load Bearing Wall System
MBCI
MBCI Eco-Ficient Wall Panel and Eco-Ficient R Panel
NFPA 285 (2012)
Rating: Passed





1. CERTIFIED COMPANY: MBCI

   CERTIFIED PRODUCT: Wall Panels

   MODEL: MBCI Eco-Ficient Wall Panel and Eco-Ficient R Panel (not shown)

   INSULATED WALL PANELS: Construct wall of panels nominally measuring 18 to 44.5 in. wide for Eco-Ficient Wall Panel or 36 in. wide for Eco-Ficient R Panel, having a maximum length of 65 ft, and a minimum thickness of 2 in. for

©Intertek

the Eco-Ficient Wall Panel, and 1-1/2 in. for the Eco-Ficient R Panel and a maximum thickness of 6 in. Install panels with the longitudinal (long dimension) edges placed horizontally or vertically. Construct wall panels of the following materials:

A. Panel Facing – Construct interior and exterior faces of minimum 26 GA galvanized or zinc/aluminum alloy coated steel with painted or mill finish, or minimum 26 GA stainless steel with mill finish. Panel faces are roll formed with a smooth (no profile) or corrugated profile.

B. Polyurethane Foam Core – Fill hollow core between panel faces (Item 1A) with nominal 2.17 pcf density polyurethane foam forming the male and female mating edges of the panels.

2. Side Joint Sealant – (Optional)

A. Eco-Ficient Wall Panel - Install a nominal 3/16 in. bead of one-component, urethane or butyl sealant to the female edge of the panel on either the exterior, interior, or both sides prior to joining the insulated wall panels (Item 1).

B. Eco-Ficient R Panel – Install a nominal 3/16 in. bead of one-component, urethane or butyl sealant to the female edge of the panel on the interior side prior to joining the insulated wall panels (Item 1). Install butyl tape sealant for the exterior lap joint.

2. FASTENERS: Install fasteners according to panel type.

A. Eco-Ficient Wall Panel: Install two (2) Number 14, or 1/4 in. diameter hex head screws through 7/8 in. wide X 4 in. long concealed panel clips within the side joints of the insulated wall panel (Item 1). The screws shall be of sufficient length so as to properly engage the wall support member. Install clips at each wall support member.

B. Eco-Ficient R Panel: (Not Shown) Install Number 14, or 1/4 in. diameter x 7/8 in. Lap Tek screws at a minimum of 20 in. on center (oc) through the panel overlap at the exterior side joint. Install #14 or 1/4 in. diameter screws through wall panel at 12 in. oc between the major panel ribs to secure the panel to wall support member. The screws shall be of sufficient length so as to properly engage the wall support member. Fasteners shall be used at all wall support members.

©Intertek