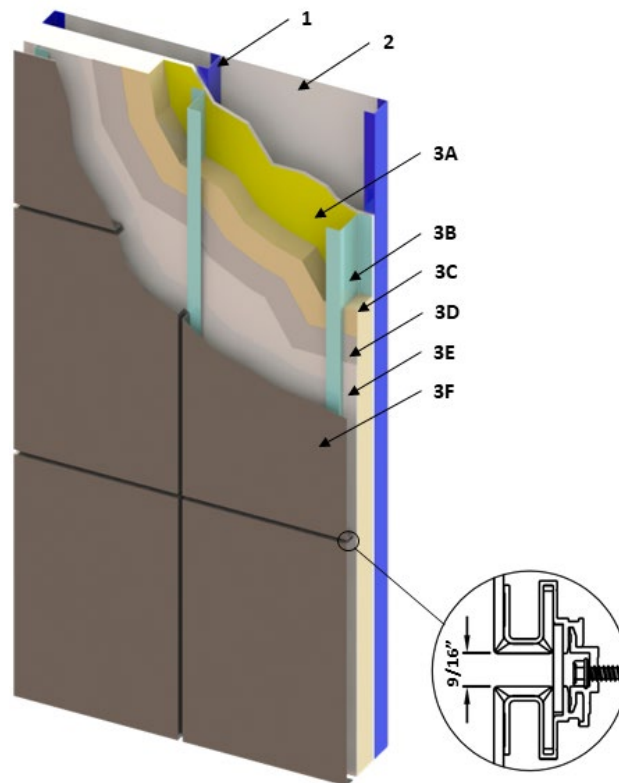


Gaco, a division of Holcim Solutions and Products US, LLC
Design No. GWL/FI 30-07
Non-Load Bearing Wall System
GacoOnePass F1850 and GacoOnePass Low GWP F1880 Spray-Applied Polyurethane Foam Insulation
NFPA 285
Rating: Meets Conditions of Acceptance



- 1. WALL FRAMING:** Install nominal 3-5/8 in., 20 GA galvanized steel studs spaced 24 in. on center (oc). Secure to 20 GA top and bottom track (not shown) using 7/16 in. long pan-head framing screws. Install 16 GA CRC lateral bracing perpendicular to the steel studs spaced 48 in. oc.

OPTIONAL – Install nominal 2 x 4 fire-retardant-treated wood studs, complying with the definition and requirements prescribed in the International Building Code. Studs shall be spaced max. 16 in. oc.

- 2. INTERIOR WALL COVERING:** Install 5/8 in. thick Type X gypsum board, installed with long dimension perpendicular to studs. Attach to steel studs using #6, 1-1/4 in. long, zinc-plated, self-drilling bugle-head screws. Attach to fire-retardant-treated wood studs using #6, 1-5/8 in. long, coarse-thread, bugle-head screws, or use #13, 1-5/8 in. drywall nails.

Fasteners for fire-retardant-treated wood studs shall be of hot-dipped zinc-coated galvanized steel, stainless steel, silicon bronze, or copper.

Space fasteners 8 in. oc around perimeter and 12 in. oc in the field.



- A. **JOINT TAPE AND COMPOUND** – (Not Shown) After gypsum board is attached, apply a level 2 finish consisting of the following elements: vinyl or casein, dry or premixed, joint compound to face layers of gypsum board in two coats to all exposed screw heads and gypsum board butt joints. Embed a min. 2 in. wide paper, plastic, or fiberglass tape in first layer of compound over butt joints of the gypsum board.

3. EXTERIOR WALL COVERING: The exterior wall covering system shall incorporate the following construction features:

- A. **EXTERIOR SHEATHING** – Install 5/8 in. thick Georgia Pacific Densglass® Gold Exterior Sheathing with the long edge perpendicular to studs. Attach to steel studs using #6, 1-1/4 in. long, zinc-plated, self-drilling bugle-head screws. Attach to fire-retardant-treated wood studs using #6, 1-5/8 in. long, coarse-thread, bugle-head screws, or use #13, 1-5/8 in. drywall nails.

Fasteners for fire-retardant-treated wood studs shall be hot-dipped zinc-coated galvanized steel, stainless steel, silicon bronze, or copper.

Space fasteners 8 in. oc around perimeter and 12 in. oc in the field.

- B. **SYSTEM FRAMING** – Install min. 22 GA steel Z-girts with 2 in. legs secured to studs at 24 in. oc. Use self-drilling screws for steel studs, and wood screws for fire-retardant-treated wood studs.

C. **EXTERIOR INSULATION**

CERTIFIED PRODUCT: GacoOnePass F1850 or GacoOnePass Low GWP F1880 spray-applied polyurethane insulation

Spray-apply insulation to exterior sheathing between Z-girts at a max. 4 in. thickness and a max. nominal density of 2.2 pcf.

- D. **INTUMESCENT COATING** – Spray-apply 18 mils (wft) IFTI DC315 intumescent coating to exterior insulation.
- E. **ACRYLIC COATING** – Spray-apply 11 mils (wft) Sherwin Williams Sher-Cryl HPA acrylic coating to dried intumescent coating.
- F. **EXTERIOR CLADDING** – Install min. 2mm (0.080 in.) aluminum cladding with dry, non-open joints as shown, leaving a max. 2-3/4 in. air gap between the cladding and the exterior wall insulation.

- 4. OPENINGS:** (Not Shown) Openings must be protected with 20 GA steel framing.

- 5. FLOORLINE STOPPING:** (Not Shown) Install 4 in. thick, 4.0 pcf mineral wool in the stud cavity at the floorlines.

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.