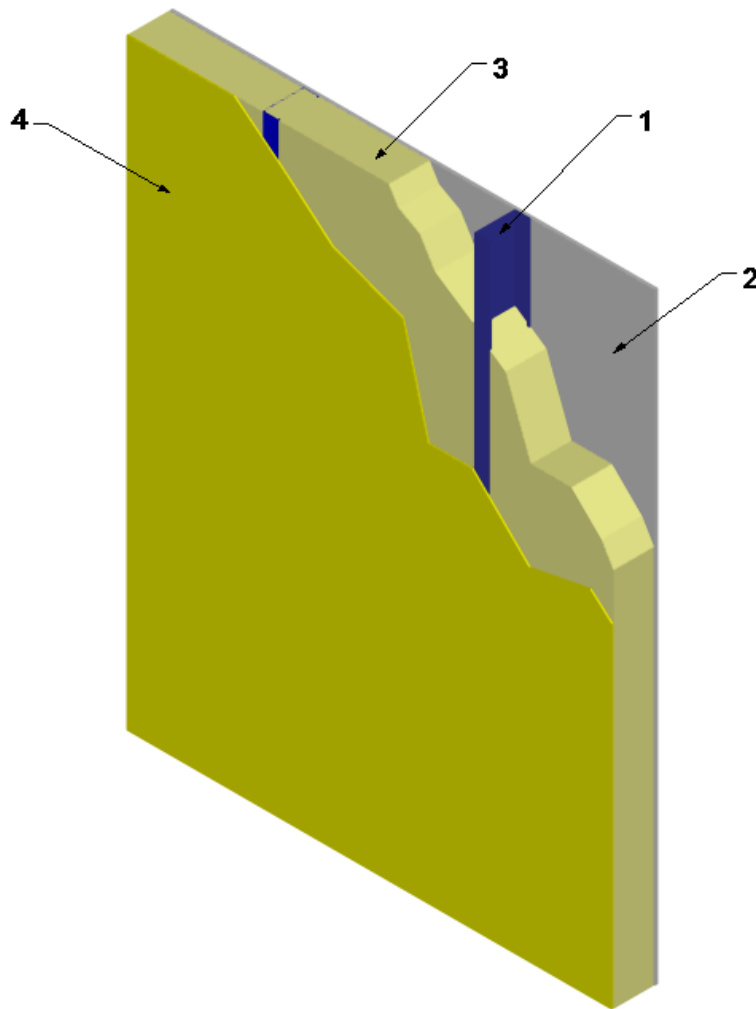

Huntsman Building Solutions (USA) LLC
Design No. HBS/FI 30-03
Spray Foam Insulation
Icynene OC No-Mix
NFPA 285
Rating: Meets Conditions of Acceptance



- 1. STEEL STUDS:** Install min. 3-5/8 in. deep, min. 20 GA galvanized steel studs spaced max. 24 in. on center (oc). Secure steel studs to 20 GA top and bottom track (not shown) using #8, 1/2 in. long, pan-head framing screws. Install 16 GA CRC lateral bracing 48 in. oc. Install 16 GA CRC lateral bracing around all openings.
- 2. GYPSUM BOARD:** Install 5/8 in. thick Firebloc Type X gypsum board with long dimension perpendicular to steel studs, using #6 zinc-plated 1-1/4 in. long, self-drilling bugle-head screws, spaced 8 in. oc around the perimeter and 12 in. oc in the field.



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

3. EXTERIOR WALL INSULATION:

CERTIFIED PRODUCT: Icynene OC No-Mix Polyurethane Foam Insulation

Spray-apply a nominal 3-1/2 in. thick layer of nominal 0.6 pcf density layer of Icynene OC No Mix spray foam insulation to completely fill the steel stud cavity.

- 4. EXTERIOR SHEATHING:** Install 5/8 in. thick, GP DensGlass® Gold Exterior Sheathing to the exterior side of steel studs. Install sheathing with long dimension perpendicular to steel studs using #6 zinc-plated, 1-1/4 in. long self-drilling bugle-head screws, spaced 8 in. oc around the perimeter and 12 in. oc in the field.
- 5. ADDITIONAL CONSTRUCTION DETAILS:** (Not Shown) Compression fit Thermafiber 4-pcf mineral wool insulation in the stud cavities at the floor lines. Use weather-resistive barriers and external finish/cladding combinations that have been successfully tested, in the specific combination in accordance with NFPA 285, over a base wall with min. 1/2 in. exterior gypsum sheathing with spray applied foam to the inside of the exterior sheathing.

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.