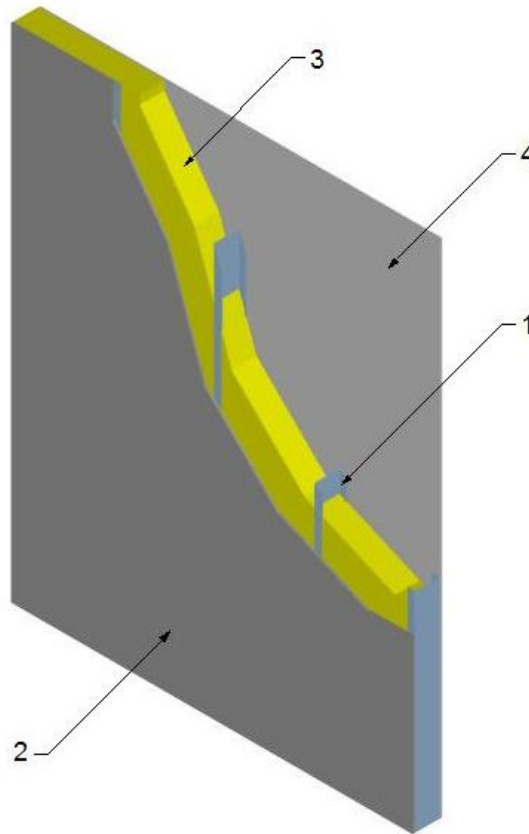


**SWD Urethane  
Design No. SWD/SI 60-02  
Non-Load Bearing Wall System  
SWD Quik-Shield® 118  
ASTM E 119  
Rating: 1 Hour**



- 1. STEEL STUDS:** Install 3-5/8 in. deep, 20 GA galvanized steel studs spaced max. 24 in. on center (oc) and floated between 3-5/8 in. deep 20 GA top and bottom track (not shown).
- 2. EXTERIOR SHEATHING:** Install two layers of 5/8 in. National Gypsum Gold Bond® Brand Fire-Shield® Type X Exterior Sheathing installed with the long dimension parallel to the steel studs (Item 1). Secure base layer to steel studs (Item 1) using #6 × 1-1/4 in. self-drilling screws spaced 16 in. oc around the perimeter and 16 in. oc in the field.

Install face layer with joints offset 24 in. from the base layer and secured using #6 × 1-7/8 in. self-drilling screws spaced 16 in. oc around the perimeter and 16 oc in the field, staggered 8 in. from the base layer fasteners.

**3. WALL CAVITY INSULATION:**

**CERTIFIED PRODUCT:** SWD Quik-Shield® 118  
Spray Polyurethane Foam Insulation



**INSULATION:** Spray-apply a nominal 3-5/8 in. thick (nominal full fill) layer of nominal 2.0 pound per cubic foot density SWD Quik-Shield® 118 Spray Polyurethane Foam to exterior sheathing side of the steel stud cavity.

- 4. INTERIOR GYPSUM BOARD:** Install two layers of 5/8 in. USG Sheetrock® Brand Type X gypsum board with the long dimension parallel to the steel studs ensuring 24 in. offset from exterior sheathing joints. Secure base layer using #6 × 1-1/4 in. long self-drilling screws spaced 16 in. oc around the perimeter and 16 in. oc in the field. Install face layer with joints offset 24 in. from the base layer and secured using #6 × 1-7/8 in. self-drilling screws spaced 16 in. oc around the perimeter and 16 in. oc in the field, staggered 8 in. from base layer fasteners.

- A. JOINT TAPE AND COMPOUND – (Not Shown)** Apply a level 2 finish of vinyl or casein, dry or premixed, joint compound applied to the following elements: Apply to 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.

- 5. EXTERIOR CLADDING:** (Optional, Not Shown) Install ASTM E136 compliant non-combustible exterior cladding to the exterior side of the exterior sheathing, in accordance with the applicable Building Code requirements. Ensure cladding and installation is compatible with the exterior sheathing manufacturer's specification.

*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.*