FWFO - Exterior Wall Systems

System No. EWS0043
November 07, 2018

Exterior Wall System

1. **Steel Studs** — Min 3-5/8 in. (92 mm) deep, formed of min 20 ga. galv steel spaced max 16 in. (406 mm) OC.

1A. **Alternate Base Walls** — (Optional, Not Shown) — Cast concrete walls or concrete masonry units (CMU) concrete walls may be used in lieu of Items 1 through 4. If alternate base wall is used, appropriate fasteners to secured exterior cladding sub-framing (Item 7) to base wall shall be used depending on the base wall material.

2. **Batts and Blankets (BKNV)*** — **Mineral Wool or Glass Fiber Stud Cavity Insulation** — (Optional, Not Shown) — Mineral wool or glass fiber insulation installed for partial or full stud cavity fill.

*See Batts and Blankets (BKNV) Category for names of Classified Companies.
3. **Interior Gypsum Board (CKNX)** — Min 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide, attached to steel studs with 1-1/4 in. (32 mm) long, Type S steel screws spaced max 8 in. (203 mm) OC. Joints oriented vertically and covered with paper tape and joint compound. Screw heads covered with joint compound. See Gypsum Board (CKNX) Category for names of Classified Companies.

4. **Composite Exterior Sheathing (FWFX)** — Maximum 3-3/4 in. (95 mm) thick, 4 ft (1.2 m) wide, magnesium oxide panels with integral polyurethane foam insulation, attached to steel studs, insulation face inward, with #14-13 by 4 in. (102 mm) long DP1 self-drilling screws spaced max 12 in. (305 mm) OC. Joints oriented vertically or horizontally. 

MAX-LIFE LLC DBA MAXLIFE INDUSTRIES — ArmorWall panels

5. **Mineral Wool** — (Not Shown) — Minimum 4 pcf (64 kg/m³), 4 in. (102 mm) thick mineral batt insulation installed within stud cavity at floor line locations. Insulation installed filling full depth of stud cavity for the full depth of the floor line.

6. **Exterior Cladding (FWFX)** — Exterior cladding panels, minimum 24 in. (610 mm) wide and 16 in. (406 mm) high with maximum 1-3/4 in. (44 mm) overall thickness. Panels include integral polyurethane foam insulation. Panels fastened over surface of Exterior Sheathing with #10-9 by 2-1/8 in. (54 mm) ULP Concealer Pancake Head Gimlet Point Screws spaced max 16 in. (406 mm) OC vertically at panel perimeter, max 5-1/2 in. (140 mm) OC vertically within panel field and max 12 in. (305 mm) OC horizontally. 

MAX-LIFE LLC DBA MAXLIFE INDUSTRIES — IQBrick panels

7. **Steel Lintel** — (Not Shown) — Nom 4 x 4 x 1/4 in. (102 x 102 x 6 mm) steel, free floating, spanning over top of window/door openings as needed for use with various Exterior Finishes (Item 8).
8. **Exterior Finishing** — (Not Shown) — The following items may be used as exterior finishing for the wall system in lieu Exterior Cladding (Item 6):

   A. **Exterior Veneer** — **Brick** — Nom 4 in. (102 mm) thick clay brick veneer offset to provide a max 2 in. (51 mm) air gap between exterior wall insulation (Item 7) and brick veneer with standard type veneer anchors, spaced a max 24 in. (610 mm) on center.

   B. **Concrete** — Min 2 in. (51 mm) thick with max 2 in. (51 mm) air gap between exterior wall insulation (Item 7) and concrete.

   C. **Concrete Masonry Units** — Min 2 in. (51 mm) thick with max 2 in. (51 mm) air gap between exterior wall insulation (Item 7) and concrete masonry units.

   D. **Stone Veneer** — Min 2 in. (51 mm) thick natural stone veneer with any standard non-open joint installation technique.

   E. **Terracotta Cladding** — Min 1-1/4 in. (32 mm) thick with any standard non-open joint installation technique such as ship lap.

   F. **Stucco** — Min 3/4 in. (19 mm) thick exterior cement plaster lath.

9. **Opening Finishing** — Nominal 1/2 in. (13 mm) thick Composite Exterior Sheathing (Item 4) without integral polyurethane foam insulation, attached with 1-1/4 in. (32 mm) long, Type S steel screws, spaced max 2 in. (51 mm) from corners and max 12 in. (305 mm) OC to window studs, header and sill to line window opening, covering full depth of exterior wall.

10. **Metal Window Flashing** — Required for use with Exterior Cladding (Item 6), Optional for use with various Exterior Finishes (Item 8) — Minimum 0.017 in. (0.43 mm) thick with 1-1/2 in. (38 mm) leg and 1/4 in. (6 mm) return aluminum flashing, fastened over Composite Exterior Sheathing (Item 4) with #10-9 by 2-1/8 in. (54 mm) ULP Concealer Pancake Head Gimlet Point Screws, spaced max 2 in. (51 mm) from ends and max 12 in. (305 mm) OC. 1/4 in. (6 mm).

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.
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