



FWFO.EWS0014 Exterior Wall Systems

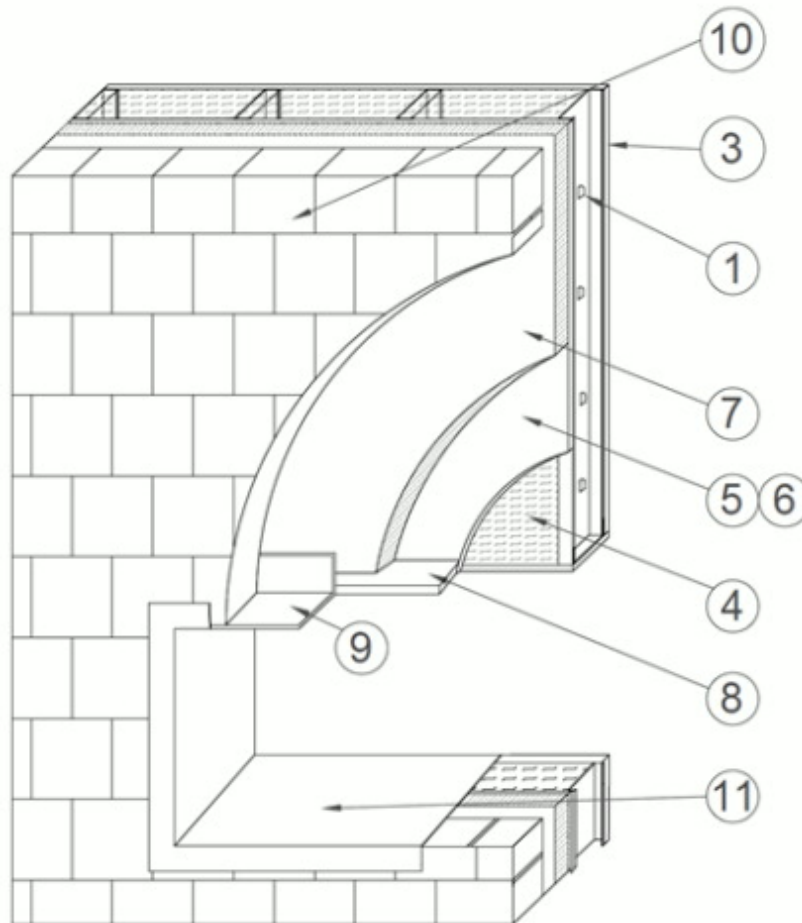
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FWFO - Exterior Wall Systems

[See General Information for Exterior Wall Systems](#)

System No. EWS0014

January 29, 2015



1. **Steel Studs** — Min 3-5/8 in. (92 mm) deep, formed of min 25 ga. galv steel spaced max 24 in. (610 mm) OC. Additional studs to be used to completely frame window/door openings.

1A. **Alternate Base Walls (not shown)** — Cast concrete walls or concrete masonry units (CMU) concrete walls may be used in lieu of Items 1 through 5.

2. **Bracing** — (Not Shown) - Nom 1-1/2 in. (38 mm) wide by 1/2 in. (13 mm) deep galvanized 16 ga. steel channel placed within depth of studs through stamped openings, fastened 48 in. o.c.

3. **Interior Gypsum Board (CKNX)*** — Min 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide, Type X gypsum board, attached to steel studs with 1 in. (25 mm) long, Type S steel screws spaced max 8 in. (203 mm) OC around the perimeter and max 12 in. (305 mm) OC in the field. Joints oriented horizontally or 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. **Wall Cavity insulation (BKNV)*** — (optional) Nominal 3-1/2 in. (89 mm) thick, R-13 Kraft paper faced, Class C fiberglass insulation installed in stud cavities or other UL classified non-combustible insulation. Empty stud cavity also permitted.

See Batts and Blankets (BKNV) Category for names of Classified Companies

5. **Exterior Gypsum Sheathing (CKNX)*** — Exterior-grade glass mat sheathing gypsum board, minimum 1/2 in. (13 mm) thick, or minimum 5/8 in. (16 mm) thick, Type X gypsum board, attached to steel studs with No.6, 1-1/4 in. (32 mm) long, steel screws spaced max 8 in. (203 mm) OC around the perimeter and max 12 in. (305 mm) OC in the field. Joints oriented horizontally or vertically.

See Gypsum Board (CKNX) Category for names of Classified Companies

6. **Exterior Wall System Component - Combustible Air Barrier Sealant*** — Applied to completely cover the exterior side of the exterior gypsum sheathing at a min thickness of 35 mil (0.9 mm) dry, 70 mil (1.8 mm) wet thickness.

TREMCO INC — ExoAir 230

7. **Foam Insulation (BRYX)*** — Nom 4 by 8 ft (1.2 by 2.4 m) by max 3-1/4 in. (83 mm) thick, max 3 pcf (48.1 kg/m³) expanded polystyrene insulation secured to gypsum sheathing with min 5 in. (127 mm) long self-tapping steel screws in conjunction with 2 in. (51 mm) diameter steel washers spaced 24 in. (610 mm) OC.

INSULFOAM L L C — InsulFoam® EPS Insulation Boards Type XI, Type I, Type VIII, Type II, Type IX, Type XIV, and Type XV.

8. **Mineral Wool** — Nom 4 pcf (64 kg/m³), 1 in. thick layer mineral batt insulation secured to the underside of steel lintel with two rows of steel batt pins located approx. 1 in. (25 mm) from the edges and spaced a max 8 in. (203 mm) OC. Also installed within each wall stud cavity at each floor line, minimum 4 in. thick, held in place with standard type, steel Z clips spaced max 24 in. OC (floor line mineral wool not shown in diagram).

9. **Steel Lintel** — 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.

10. **Exterior Finishing** — The following items may be used as exterior finishing for the wall system:

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 sheathing (Item 5) 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 sheathing (Item 5) and concrete.

C. **Concrete Masonry Units** — Min 2 in. (51 mm) thick with max 2 in. (51 mm) air gap between exterior sheathing (Item 5) and concrete masonry units.

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

E. **Terracotta Cladding** — Min 1-1/4 in. (32 mm) thick with any standard installation technique.

11. **Flashing** — Formed of 2 x 14 in. (51x 356mm)"L Shaped", min 25 ga thick steel. Formed to completely line window/door openings and overlap onto exterior surface of the wall assembly a min 2 in. (51 mm).

***Bearing the UL Classification Mark**

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