

## FWFOC.EW1 Exterior Wall Insulation and Finish Systems

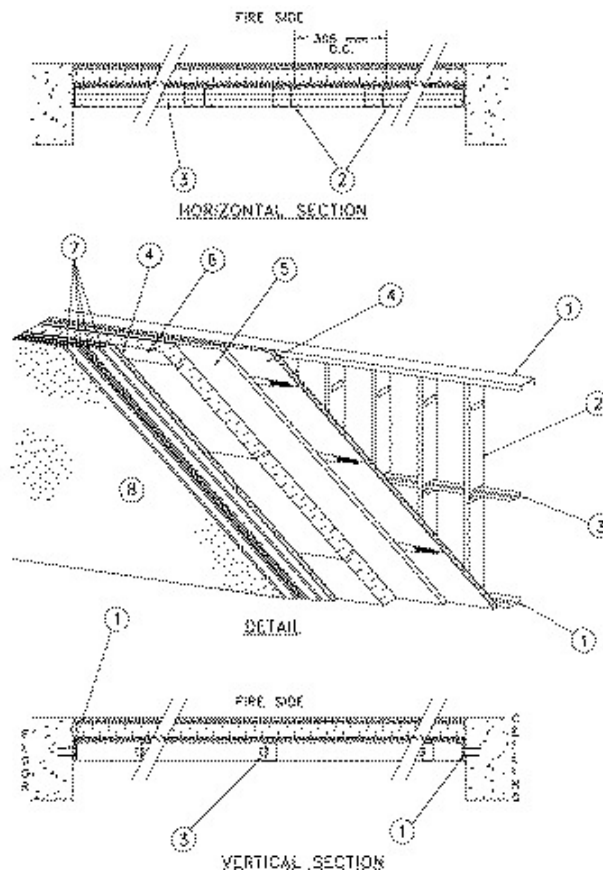
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### Exterior Wall Insulation and Finish Systems

See General Information for Exterior Wall Insulation and Finish Systems

#### System No. EW1

May 02, 2006



1. **Floor and Ceiling Tracks** — 95 mm deep by 32 mm wide channel, 0.91 mm thick galvanized steel, attached to masonry or concrete with fasteners spaced 600 mm OC.
2. **Steel Studs** — 95 mm deep by 32 mm wide channel, with 6 mm lip on each flange tip, 0.91 mm thick galvanized steel, fastened to the floor and ceiling tracks, spaced 305 mm apart. Studs have 38 mm cutouts.
3. **Bracing** — 38 mm wide by 12 mm deep channels, 1.52 mm thick galvanized steel are inserted in the stud cutouts at 1500 mm OC.
4. **Mineral and Fibre Boards** — CERZC (Guide No. 40U18.13). Nominal 12.7 mm thick "Perma Base" cement boards fastened to the studs by means of Type S drywall screws, 30 mm long and fastened through the insulation board (Item 6) to the studs by means of 4 mm diameter self-tapping screws 95 mm long, spaced 200 mm OC along board edges and 300 mm OC in the field of the board. 50 mm wide mesh tape and mastic compound designated as Durabond Mastic 100 plaster was used to fill the joints between the boards over the base layer of the cement board.

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- **5. Component for Exterior Wall Insulation and Finish System, Coating** — FWFXC (Guide No. 40 U23.5.3). Base coat adhesive trowelled onto the exposed side of the mineral and fibre board at the rate of 3.4 kg/m<sup>2</sup>. The base coat is prepared by mixing 3 parts by weight of Durex patch coat powder with 1 part by weight of Durex liquid bond.

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- 6. **Rigid Roof Insulation** — 50 mm thick by 610 mm wide by 1220 mm long Type 1 expanded polystyrene, attached to the studs by means of 60 mm long self-tapping screws and washers at 305 mm OC.

- **7. Component for Exterior Wall Insulation and Finish System, Coating** — FWFXC (Guide No. 40 U23.5.3). Two coats of Durex Intermediate coating applied at the rate of 3.4 kg/m<sup>2</sup> over the second layer of cement board (Item 4) with vertical strips of a light reinforcing fabric (0.17 kg/m<sup>2</sup>) pressed by a trowel on the wet surface of the first coating.

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- **8. Component for Exterior Wall Insulation and Finish System, Finish Coat** — FWFXC (Guide No. 40 U23.5.3). Durex Architectural coating applied at the rate of 2 kg/m<sup>2</sup> on top of the intermediate coating (Item 7). Average thickness of this coat is 1.25 mm.

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