

Exterior non load bearing wall assembly, based on CAN/ULC-S101-M89
"Standard Methods of Fire Endurance Tests of Building Construction and Materials"

IDEAL FIREWALL – 2H

Assembly Rating – 2 h.
Design n° W606

1. Flashing Channels: Channels 200 mm wide with 45 mm and 76 mm flanges fabricated from nominal 1.52 mm thick galvanized or aluminum-zinc alloy-coated sheet steel. Fastened to the concrete frame with 6.4 mm by 41 mm concrete anchors spaced 305 mm centre.

2. Steel liner : "Supreme liner" fabricated from minimum 0.61 mm thick sheet metal, fastened to flashing channels by 19 mm long sheet metal screws spaced maximum 305 mm on centre. Side lap joints sealed with factory – applied caulking and secured with 19 mm long sheet metal screws maximum 305 centre.

3. Z-bar Sub-Girt : Notched Z-bars 200mm wide with 25 mm and 45 mm flanges, with 1.22 mm thick material, installed at maximum 1525 mm on centre, fastened to steel liner by 19 mm long sheet metal screws spaced maximum 200 mm on centre.

4. Ceramic fibre strip: 128 kg /m³ density, minimum 100 mm wide x 13 thick strips, attached to Z-bar sub girt with stick pins spaced 250 mm on centre.

5. Mineral wool batts: 96 kg/m³ Nominal density, processed from rock and slag, supplied in sheets 610 mm x 1220 mm x 102 mm thick. Two layers installed with vertical and horizontal joints staggered of 300 mm. Roxul Inc.

6. Exterior cladding: Corrugated prepainted sheet steel panels, such as, **Vee-Rib, Metro- Industrial, Universal-Rib, Utility panel , Urban Accent and Corrugated C-360 or C-270** panels minimum 0.61 mm thick , fabricated from galvanized or aluminum-zinc alloy-coated sheet steel, fastened to Z-bar sub-girts by 19 mm long sheet metal screws maximum 305 mm on centre. Lap joints of adjacent panels fastened by 19 mm long sheet metal screws maximum 405 mm on centre.

