

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 – 1H

Assembly Rating – 1 h.
 Design n° W605

1. 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.

2. Z-Bar Sub-Girt: Minimum 152 mm wide x 1.22 mm thick sheet steel Z-bars with 25 mm and 38 mm flanges, maximum 1525 mm on centre, fastened to steel liner by 19 mm long sheet metal screws spaced maximum 250 mm on centre.

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

4. Mineral wool batts: 96 kg/m³ Nominal density, processed from rock and slag, supplied in 76 mm thick sheets 610 mm x 1220 mm. Two layers installed with vertical and horizontal joints staggered.

5. 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 0.46 mm thick, 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.

