

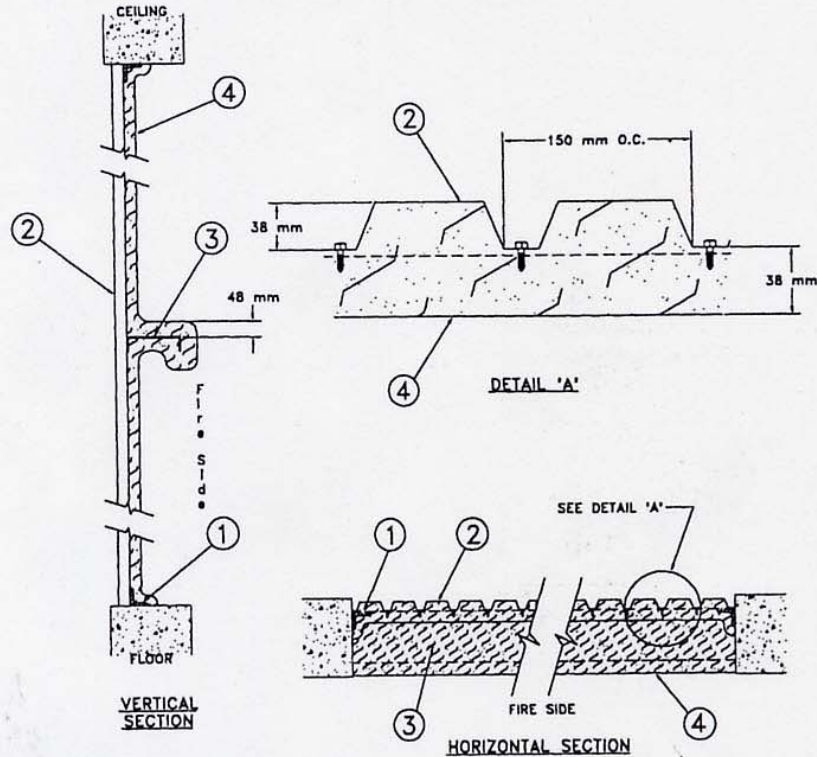


HiBAR™ Spray-Applied Fire-Resistive Material
RATED ULC DESIGN W803 – (WALL ASSEMBLY)
 RE: ULC List of Equipment & Materials – Fire Resistance (March 2000)

DESIGN No. W803

Assembly Rating – See Table Below

(EXPOSED TO FIRE ON INTERIOR SIDE ONLY)



Nonbearing Wall

1. **Support Angles** – 75 mm by 75 mm by 6 mm cold-rolled steel angles at top and bottom of wall; 55 mm by 55 mm by 6 mm thick angle at each side. Angles attached to masonry with 60 mm long, 9.5 mm diameter steel bolts, and steel or cast-iron expansion shells spaced 600 mm OC.

2. **Wall and Partition Facing Units** – 0.45 mm or 0.67 mm or thicker galvanized sheet-steel facing units with 38 mm deep flutes, 150 mm OC. Panels fastened with No. 14 by 19 mm self-tapping steel screws.

3. **Steel Channel** (optional) – C200x17 cold-rolled channel, where required, welded to 100 mm by 100 mm by 6 mm angles. Angles attached to masonry with two 60 mm long, 9.5 mm diameter steel bolts or studs, and steel or cast-iron expansion shells.

4. **Spray-Applied Fire-Resistive Material** – (Guide No. 40 U18.6). Designated as "HiBAR" applied to interior face of the wall to the minimum thicknesses and densities indicated in the table below. For method of density determination, refer to General Information under heading "Fire Resistance Ratings". Steel surface must be clean and free of dirt, loose scale and oily deposits.

For 2 h rating only, spray-applied fire-resistive material may be oversprayed with "HiBAR SEALER".
 CELUFIBRE INDUSTRIES LIMITED

Assembly Rating, h	Spray-Applied Fire-Resistive Material			
	Facing Units	Channel	Average	Individual
1	38	48	245	205
2	86	61	179	171