

Technical cross-section diagram of a curtain wall system. The diagram shows a top horizontal frame, a middle mullion, and a bottom concrete floor. Components include mineral wool insulation, T-bars, spray insulation, and various hardware. A vertical dimension line indicates a maximum height of 60 inches.

Item Number

1 Min. 2" Thick Owens Corning™ Thermafiber® Firespan® 90 mineral wool insulation.

2 Owens Corning® Thermafiber® Sating™ 4pcf density mineral wool insulation. Cut to a min. $4\frac{1}{2}$ " width and stacked to a thickness which is min. 25% greater than the width of the linear gap between the curtain wall insulation and the edge of the concrete floor slab. Compression fit to attain a min. 25% compression in the thickness direction. The Sating is compressed and inserted cut-edge first into the linear gap such that its top surface is flush with the top surface of the floor assembly. Linear opening width 4" Max.

3 3" Galvanized Steel T-Bar made by placing two $1\frac{1}{2}'' \times 1\frac{1}{2}''$ 20 gauge steel angles back-to-back to form a "T". 3" Galvanized Steel T-Bar mech. attached to mullions. T-Bar installed between mullions at each floor level to restrain curtain wall insulation against outward movement. T-Bar shall be located with its stem 2" below the top plane of the floor.

4 SPECIFIED TECHNOLOGIES INC - SpecSeal AS200 Elastomeric Spray, SpecSeal Sating Spray or SpecSeal Fast Tack Spray min. $\frac{1}{8}$ " thickness, to be applied over anchor plates, Owens Corning™ Thermafiber® Sating™ Insulation and $\frac{1}{2}$ " overlap on floor and curtain wall insulation.

5 Owens Corning™ Thermafiber® Impasse® Vertical Hangers. Vertical hangers screw-attached to interior face of mullions with number 10 by min $\frac{1}{2}$ " long self-drilling, self-tapping steel screws. (As shown in drawing)

6 Owens Corning™ Thermafiber® Impasse® Horizontal hangers screw-attached with number 10 by min. $\frac{1}{2}$ " long self-drilling, self-tapping steel screws, located on T-Bar within 6" of mullion at each end and spaced max 16" O.C. and one horizontal hanger screw-attached to Transom as shown in drawing.

7 Fire resistance rated concrete floor assembly.

8 Mullion Covers. Owens Corning™ Thermafiber® Firespan® 90 2" thick mineral wool insulation faced on one side with aluminum foil/scrim vapor retarder, supplied in Min. $24'' \times 48'$ boards. 12" wide strips to be centered over mullions.

9 Owens Corning™ Thermafiber® 3 $\frac{3}{4}$ " Spiral Anchors to be used to secure the framing covers to the curtain wall insulation. Spiral anchors driven through framing covers and into curtain wall insulation and spaced max 12" O.C.

