



Cross Section View A-A

Elevation View

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	Date	Rev. Num.	Description		
Reference Design: CW-S-2002	DATE APPV: / /	Drawn By: SPR	Dimensions ± 1/32"	Angle ± 2°	DATE:
	<div><div><div>OWENS CORNING®</div><div>06/10/2024</div></div><div><div><div></div><div></div><div></div><div></div><div></div></div><div>Thermafiber®</div></div></div>				

Item Number	Description
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1	Min. 2" Thick Owens Corning™ Thermafiber® Firespan® 90 mineral wool insulation.
2	Owens Corning® Thermafiber® Sating™ 4 pcf density mineral wool batt insulation. Sating™ sections to be cut to a width approx 25% greater than width of perimeter joint and compression-fitted into perimeter joint such that its top surface is recessed 1" from top surface of floor assembly. Length of batt to be equal to on center spacing of mullions such that it is friction-fitted between mullions without seams. Additional pieces of forming material to be friction-fitted into spaces between mullion mounting angles at each mullion location.
3	Z-shaped clips formed from 1" wide strips of 20 ga. galv steel. Clips to be 3" high with 2" and 3" upper and lower horizontal legs, respectively. The 3" horizontal leg is to be impaled into edge of forming material at its middepth and the 2" horizontal leg is to rest on top surface of floor. Sating clips to be located adjacent to mullion mounting angles and spaced max 12" O.C. along perimeter of floor assembly.
4	20 gauge galv steel angle — 1½" x 1½". Angle formed of min 20 gauge galv steel to be installed to stiffen curtain wall insulation between vertical mullions at sating joint. Ends of stiff back angle secured to angle attachment clips with steel screws. Horizontal leg of stiff back angle to be located at midheight of Owens Corning® Thermafiber® Sating™ material. Vertical leg of stiff back angle to be recessed from interior face of mullion to accommodate thickness of curtain wall insulation.
5	Min. 4½" long 12 gauge steel pins swaged to 2½" x 2" x 2" long galv steel angle. Steel angle screw-attached to mullions and transoms with No. 12 steel screws. Impaling pins to be located in each corner and spaced max 12" O.C. around perimeter of each spandrel panel. Leg of steel angle provided with impaling pin to be recessed 2" from interior face of framing such that curtain wall insulation is flush with interior face of framing.
6	Min. 1" thick of fill material installed atop forming material, flush with top surface of floor assembly. Dry mix or ready-mix material. Dry mix material mixed with water in accordance with the accompanying installation instructions. UNITED STATES GYPSUM Co. — Types FC, RfC
7	Mullion Covers Owens Corning™ Thermafiber® Firespan® 90 2" thick mineral wool insulation faced on one side with aluminum foil/seam vapor retarder, supplied in Min. 24" x 48" boards. Min. 8" wide strips cut from the same nom 2" thick insulation used for the curtain wall insulation. Framing covers to be centered over mullions and transoms and impaled on the same pins used to secure the curtain wall insulation and secured in position with steel clinch shields.
8	Spiral Anchor — (Not Shown) - As an alternate to the impaling pins, galv steel wire spiral anchors may be used to secure the framing covers to the curtain wall insulation on each side of the mullion spaced max 12 in. OC.
9	Min. 5" thick fire resistance rated concrete floor assembly.

