



Cross Section View A-A

Elevation View

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Reference Design:

CW-S-1001

DATE APRV: / / Drawn By: Dimensions

SPR ± 1/32" Angle ± 2°

DATE:

DRAWING NUMBER:
CW-S-1001

Item Number	Description
1	Min. 3" Thick Owens Corning® Thermafiber® Firespan® 90 mineral wool insulation
2	Owens Corning® Thermafiber® Safing™ Insulation Non 4 pct density mineral wool insulation cut to a min. 4" width and stacked to a thickness which is 25% greater than the width of linear gap between the gypsum sheathing and the edge of the concrete floor to attain a min 20% compression in the thickness direction. The forming material is compressed and inserted cut-edge-first into linear gap between edge of floor slab. Length of batt to be equal to on-center spacing of steel studs such that it is friction-fitted between studs and mounting angles without seams. Additional pieces of mineral wool batt to be stuffed inside the channel of each steel stud throughout the thickness of the forming material.
3	Steel Studs - C-shaped studs formed from (20 ga) galv steel. The steel studs shall be 3 5/8" wide by 1 1/4" deep with 5/16" wide stiffening flanges. Studs spaced max 24" O.C. and welded, bolted or screwed to mounting angles at each floor level. When cementitious backer units are used for exterior sheathing, max stud spacing is 16" O.C. Interior face of studs to be max 2 1/2" from edge of floor assembly.
4	Void or Cavity Material - Min. 1" thickness 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.
5	UNITED STATES GYPSUM CO — FC, RFC
6	Gypsum Board - One layer of nom. 5/8" thick, 48" wide gypsum sheathing installed to cover entire exterior surface of wall. Sheathing applied with joints centered over studs and secured to steel studs with min. 1" long bugle head steel screws spaced max 8" O.C. along the edges and max 12" O.C. in the field of each sheet. Gypsum Board (CKNX) category for names of Classified Companies and product types.
7	Floor Assembly — Min. 5" thick reinforced lightweight or normal weight (100-150 pcf) structural concrete. Perimeter of floor assembly to be provided with min. 4 x 4 x 1/4" thick cast-in-place structural steel angle for weld-attachment of stud mounting angles.
8	Gypsum Board - One layer of nom. 5/8" thick, 48" wide gypsum board applied with joints centered over studs. Gypsum board secured to steel studs on interior surface of curtain wall with min. 1" long bugle head steel screws spaced max 8" O.C. along the edges and max 12" O.C. in the field of each sheet. Gypsum board installed to cover entire interior surface of wall above the top of the fill material and below the forming material. Gypsum Board (CKNX) category for names of Classified Companies and product types.
9	Steel Struts short lengths of steel stud used to brace each steel stud against lateral movement. One end of strut bolted, screwed or welded to steel stud beneath plane of floor assembly. Opposite end of strut anchored to underside of floor.

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. Safing clips to be located adjacent to mullion mounting angles and spaced max 12" O.C. along perimeter of floor assembly.