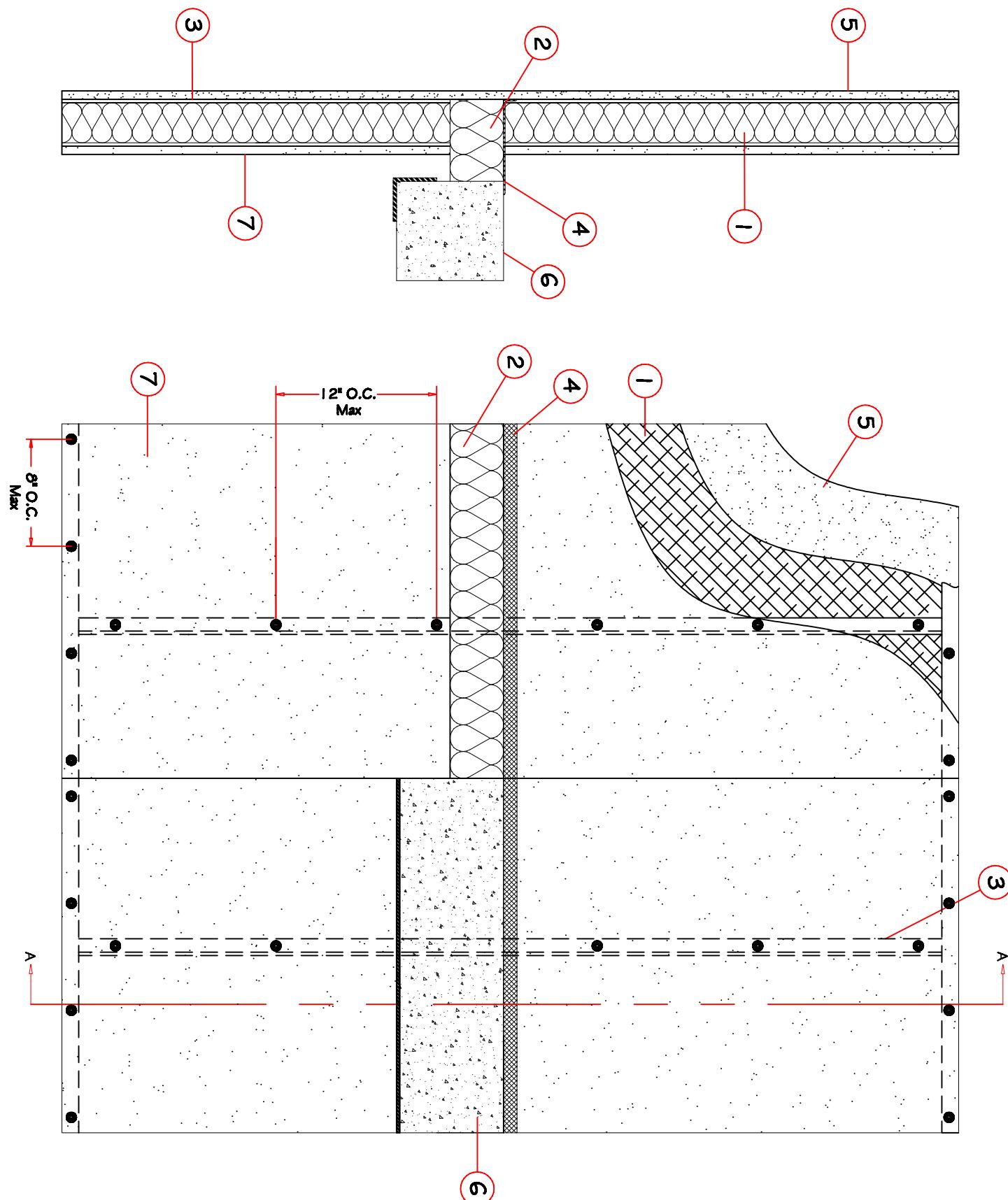


Item Number	Description
1	Min. 3" Thick Owens Corning® Thermafiber® Safing™ Insulation Nom 4 pct density mineral wool insulation cut to a min. 4" width and stacked to a thickness which is 25% greater than the width of linear gap between the gypsum sheathing and the edge of the concrete floor to attain 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 and sheathing material such that its top surface is flush with the top surface of the floor assembly. 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.
2	20 ga. galvanized C-shaped Studs 3 $\frac{1}{2}$ " to 6" wide by 1 $\frac{1}{4}$ " deep with 5" 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 or sheathing, max stud spacing is 16" O.C. Interior face of studs to be max 2 $\frac{1}{2}$ " from edge of floor assembly.
3	20 ga. galvanized C-shaped Studs 3 $\frac{1}{2}$ " to 6" wide by 1 $\frac{1}{4}$ " deep with 5" 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 or sheathing, max stud spacing is 16" O.C. Interior face of studs to be max 2 $\frac{1}{2}$ " from edge of floor assembly.
4	Approved Smoke Sealant spray-applied Min. $\frac{1}{8}$ " thickness, over the top of forming material and lapping $\frac{1}{2}$ " onto the top surface of the floor and onto the gypsum sheathing and steel studs. TREMCO INC — TREMstop Acrylic SP
5	Gypsum Board one layer of nom $\frac{5}{8}$ " 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.
6	Cementitious Backer Units as an alternate to the gypsum sheathing, nom $\frac{1}{2}$ " or $\frac{5}{8}$ " thick square-edge boards attached to studs with 1 $\frac{1}{4}$ " long corrosion resistant self-tapping water-head steel screws spaced 6" O.C. Joints covered with glass fiber mesh tape.
7	Floor Assembly - 8" thick reinforced lightweight or normal weight structural concrete. Perimeter of floor assembly to be provided with min 3" x 3" x $\frac{1}{4}$ " thick cast-in-place structural steel angle for weld-attachment of mounting angles.



Cross Section View A-A

Elevation View

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Reference Design:

CW-S-1016

DATE APRV: / / Drawn By: Dimensions Angle DATE:

SPR  $\pm \frac{1}{32}$ "  $\pm 2^\circ$

DRAWING NUMBER: CW-S-1016

Location: City and State: