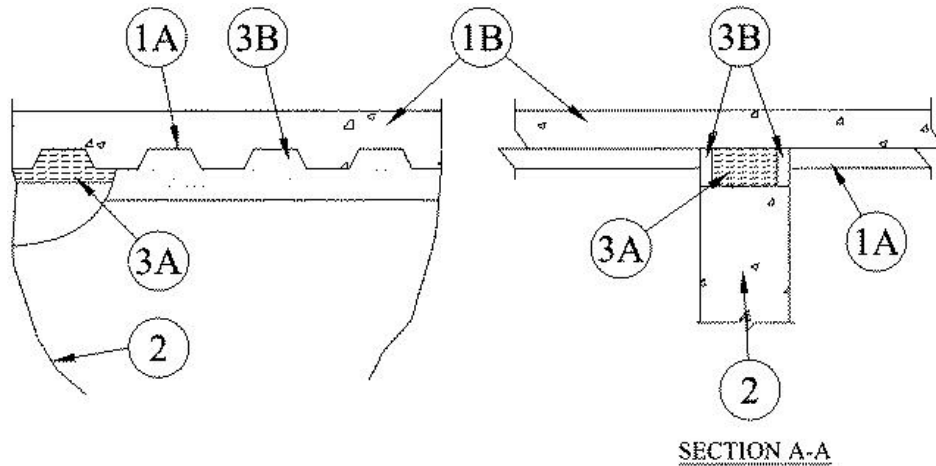


Assembly Rating — 2 Hr
Nominal Joint Width — 1-1/2 In
Class II and III Movement Capabilities - 20% Compression or Extension



1. Floor Assembly — The 2 hr fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Steel Floor And Form Units* — Max 3 in. deep galv steel fluted floor units.

B. Concrete — Min 2-1/2 in. thick reinforced concrete, as measured from the top plane of the floor units.

C. Spray-Applied Fire Resistive Materials* — (Optional)—(Not Shown)—Prior to the installation of the forming material and fill, void or cavity material (Items 3A, 3B) the steel floor units may be sprayed with a min 5/16 in. to max 1-3/4 in. thickness of fire resistive material.

GCP APPLIED TECHNOLOGIES INC — Type MK-6-HY

2. Wall Assembly — Min 6 in. thick reinforced lightweight or normal weight (100-150 pcf) structural concrete. Wall shall be installed perpendicular to the flutes of the steel floor and form units (Item 1A). Wall may also be constructed of any UL Classified fire rated **Concrete Blocks***.

See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

3. Joint System — Max separation between bottom of floor or spray applied fire resistive material if used and top of wall at time of installation of joint system is 1-1/2 in., providing total height from the top of the wall to the top of plane of the floor units or spray applied fire resistive material if used does not exceed 3 in. The joint system is designed to accommodate a max 20 percent compression or extension from its installed width. The joint system consists of a forming material and a fill material, as follows:

A. Forming Material* — Min 6 in. thickness of min 4 pcf density mineral wool batt insulation cut to the shape of the fluted steel floor units, approx 33 percent larger than the area of the flutes. Pieces compressed and inserted vertically into the flutes above the top of the wall. The mineral wool is to be flush with each side of the wall. Additional min 6 in. thick pieces of min 4 pcf mineral wool insulation cut into strips having a width 33 percent larger than the gap above the top of the wall, compressed, and firmly packed into the the gap between the top of the wall and the bottom of the steel floor units, flush with both surfaces of the wall.

INDUSTRIAL INSULATION GROUP L L C — MinWool-1200 Safing

JOHNS MANVILLE — Safing

ROCK WOOL MANUFACTURING CO — Delta Safing Board

ROCKWOOL MALAYSIA SDN BHD — SAFE

ROCKWOOL — SAFE

THERMAFIBER INC — SAF

A1. Forming Material* — Plugs — (Not Shown) — As an alternate to the forming material (Item 3A), mineral wool plugs preformed to the shape of the fluted floor units, may be used within the flutes. Plugs shall be friction fit to completely fill the flutes above the ceiling channel. The plugs shall project beyond each side of the ceiling runner, flush with wall surfaces. Additional forming material, described in Item 3A, to be used in conjunction with the plugs to fill the gap between the top of gypsum board and bottom of steel floor units. .

ROCK WOOL MANUFACTURING CO — Delta Deck Plugs

B. Fill, Void or Cavity Material* — Min 1/8 in. wet thickness of fill material sprayed or troweled on each side of the wall to completely cover mineral wool forming material and to overlap a min of 1/2 in. onto wall and steel deck on both sides of wall.

RECTORSEAL — [Metacaulk 1200](#) Spray, [Metacaulk 1200 Caulk Grade](#)

*,+ Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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