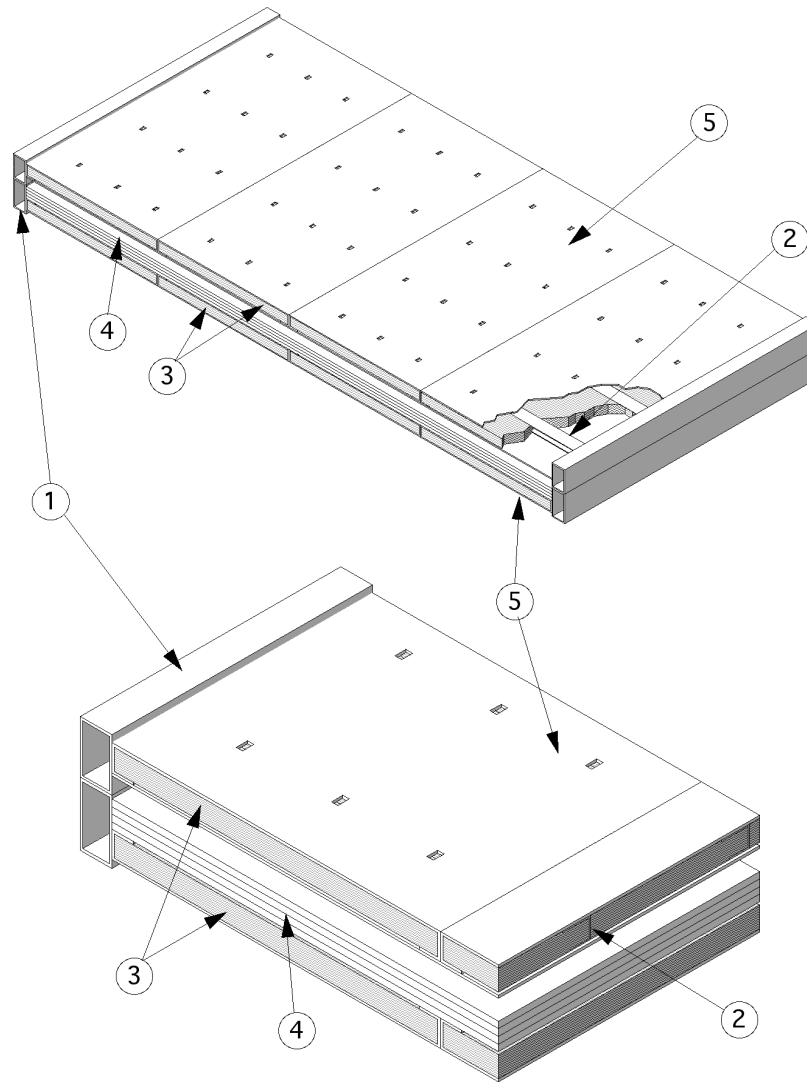


Design No. FC 303

FLOOR/CEILINGS

Assembly Rating - 4 hr
(restrained & unrestrained)



1. STEEL PERIMETER: Structural steel tubes with min. 1/4 in. wall thickness placed on top of each other surrounding the floor/ceiling assembly. The upper tube has min. dimensions of 2 in. X 5 in. and the lower tube has min. dimensions of 2 in. x 6 in. Max. width of floor/ceiling assembly is 7-1/2 ft.
2. STEEL STIFFENERS: Min. 11 GA, 2" x 2" x 2 in. steel "C" shaped channels spaced max. 14 in. on center and max. 15 in. from the perimeter edges of the floor/ceiling assembly.
3. CAVITY INSULATION: Unfaced mineral fiber batt insulation having a nom. 2 in. thickness, 8 pcf density and friction fit to fill the upper cavity space between the floor panel and the 20 GA steel panel and lower cavity space between the ceiling panel and the gypsum wallboard (4).
4. WALLBOARD, GYPSUM: Four layers 1/2 in. thick x 4 ft. x 7.5 ft. Type C gypsum wallboard sandwiched between cavity insulation.
5. STEEL PANELS: A nom. 30 in. long x 90 in. wide 11 GA steel panel attached to the steel stiffeners (2) and steel perimeter (1) on the floor side of the assembly, and attached only to the steel

Fire-Resistant Floor/Ceilings

perimeter, on the ceiling side. A 20 GA steel panel is also placed under the upper cavity insulation and is secured to the steel stiffeners.

Listed Manufacturer:

Mark Correctional Systems

Division of Kullman Industries, Inc.

Building Modules

Prefabricated Units

Modular Steel Jail Cells