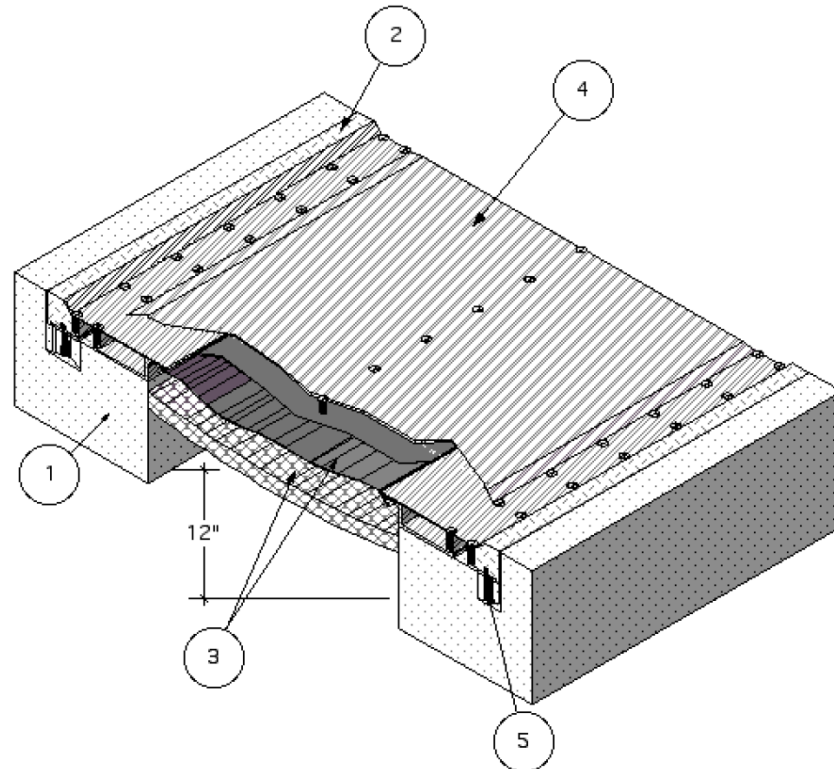


MM SYSTEEMS OPCO LLC
Design No. MM/EC 240-01
(Formerly CEJ 519F)
Fire Resistive Joint System
Pyro-Flex® PF-4012F
ASTM E1966, UL 2079
Rating: 4 Hour



1. CONCRETE FLOOR ASSEMBLY: Four hour rated concrete floor assembly made from either lightweight or normal weight concrete with a density of 100-150 pcf, with a min. thickness of 6-1/2 in. at the joint face. Overall slab thickness may vary to accommodate various blackout depths (longitudinal recesses) formed in the concrete, to house the architectural cover plate. The blackout width may also vary without restriction.

2. GROUT: Masonry grout

3. JOINT TREATMENT: Expansion Control, Fire Resistive Joint System

CERTIFIED PRODUCT: MM Systems OPCO LLC, Pyro-Flex® PF-4012F Series.

The joint treatment is composed of mechanical components attached to the existing field construction. The max. joint width is 12 in. Design tested and illustrated at max. joint width. Nominal joint width illustration (installed configuration) may differ. Joint treatment shall be installed in accordance with Listed Manufacturer's installation instructions.



- 4. ARCHITECTURAL COVER PLATE:** Thickness of architectural cover plate varies with joint width and load requirements. Min. thickness 0.25 in. architectural cover plate, extruded or formed of aluminum, brass, bronze, galvanized steel or stainless steel. This design requires an architectural cover plate. Architectural cover plate shall be installed in accordance with Listed Manufacturer's installation instructions.
- 5. FASTENERS:** Min. 1/4 in. × 2 in. long concrete fasteners, spaced max. 24 in. on center, secure the formed steel angles (Item 5) to the concrete floor assembly.

Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.