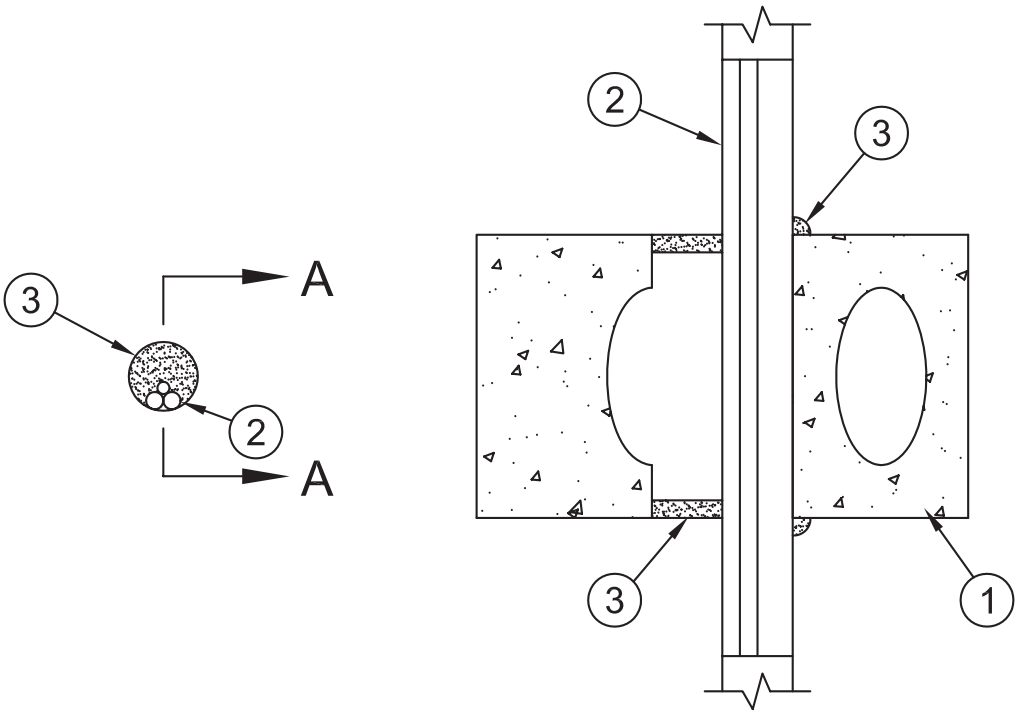
System No. F-A-3002

January 02, 2009
F Rating – 2 Hr
T Rating – 1 Hr



SECTION A-A

1. **Floor Assembly** – Min 6 in. (152 mm) thick UL Classified hollow-core **Precast Concrete Units***. Floor may also be constructed of any min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600 - 2400 kg/m^3) concrete. Max diam of opening is 2 in. (51 mm).

   See **Precast Concrete Units** (CFTV) category in the Fire Resistance Directory for names of manufacturers.

2. **Cables** – Aggregate cross-sectional area of cables in opening to be max 18 percent of the cross-sectional area of opening. Cables to be rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of copper conductor cable may be used:
   A. Max 25 pair No. 24 AWG (or smaller) copper conductor with polyvinyl chloride (PVC) insulation and jacket.
   B. Max No. 18 AWG RG 6/U coaxial cable with PVC insulation and jacket.
   C. Max 3/C with ground No. 12 AWG (or smaller) NM cable with PVC insulation and jacket.
   D. Max 3/C No. 2/0 AWG copper or aluminum conductor SE cables; PVC insulation and jacket.

3. **Fill, Void or Cavity Materials*** – **Caulk or Sealant** – Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with each surface of floor. Min 1/2 in. (13 mm) thickness of fill material applied into interstices of cables on both sides of floor. Min 1/2 in. (13 mm) diam bead of caulk applied to the cable/concrete interface at the point contact locations on both surfaces of floor.

   3M COMPANY – CP 25 WB+, IC 15WB+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Mark