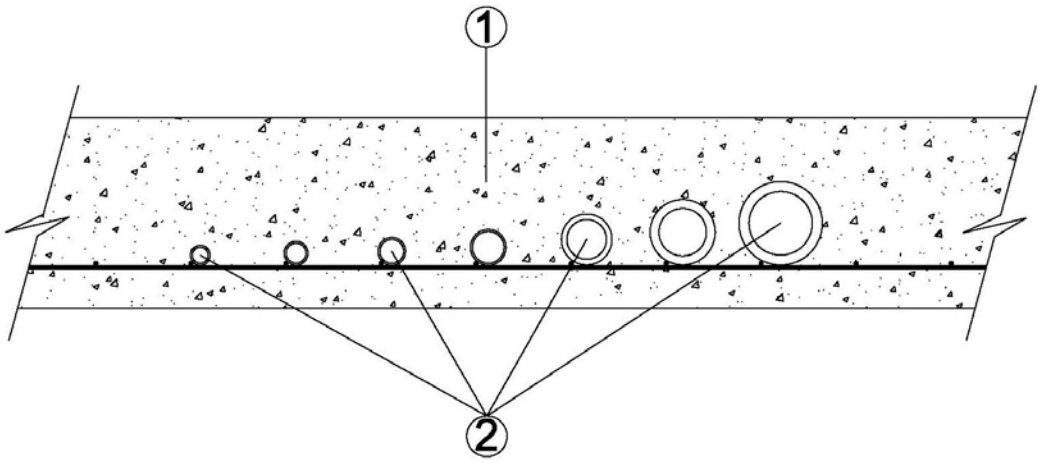
Sioux Chief Manufacturing Company, Inc.
Design No. SCMC/DWP 120-01
Floor/Ceiling Assembly
PowerPEX and PowerPEX Barrier Pipes
CAN/ULC-S101, ASTM E119
Rating: 2 Hour



1. **REINFORCED CONCRETE ASSEMBLY:** Min. 6 in. (150mm) thick concrete slab with steel reinforcement, designed in accordance with Code requirements. Min. concrete cover for positive steel reinforcements is 1-1/2 in. (38mm).

2. **CERTIFIED MANUFACTURER:** Sioux Chief Manufacturing Company, Inc.

   CERTIFIED PRODUCT: PowerPEX and PowerPEX Barrier Pipes

   3/8 in. (9mm) through 2 in. (50mm) nominal pipe size (Standard or O2 Barrier) SIOUX PEX tubing for water distribution or radiant heating, with or without polyethylene sleeve. Tubing shall be evenly distributed and tied to the top side of the positive reinforcing bars. The tubing may penetrate the top side, or the ceiling side of the slab, and exit through a wood sill plate on the top surface. The max. density of PEX tubing expressed as a percentage of concrete slab cross-section area per 12 in. (305mm) of slab width is 9.7%.