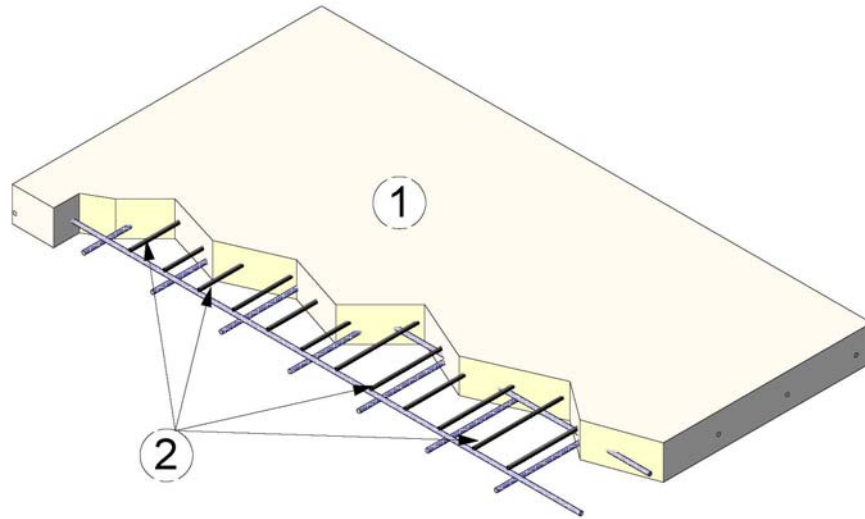

Viega LLC
VL/FWDP 120-03
Floor/Ceiling Assembly
Viega® Climate Mat®
ASTM E 119-12, CAN/ULC S101-07, UL 263, NFPA 251 and UBC 7-1
Unrestrained Assembly Rating 2 Hours
Restrained Assembly Rating 2 Hours



1. FLOOR/CEILING ASSEMBLY: Use a two-hour fire-rated floor/ceiling assembly consisting of minimum 6 in. (152 mm) thick normal weight 100-150 pcf (1600-2400 kg/m³) reinforced concrete. Concrete to be reinforced in accordance with Code Requirements. Minimum concrete cover for positive steel reinforcement is 1-1/2 in (38 mm).

reinforcing bars per manufacturer's instructions. The tubing may penetrate through the top or bottom of the concrete floor/ceiling assembly (Item 1) when used in closed systems with a minimum of 10 ft (3 m) between bottom and top penetrations. The maximum density of PEX tubing expressed as a percentage of the concrete slab cross sectional area is 14.8%. Shipping header to be removed after installation is complete.

2. CERTIFIED COMPANY: Viega LLC
CERTIFIED PRODUCT: 1/2 in. to 5/8 in. (12.7 mm to 15.9 mm) PEX Tubing bundles
MODEL: Viega® Climate Mat®
PEX TUBING - Install 1/2 in. through 5/8 in. (12.7 mm to 15.9 mm) nominal pipe size PEX Tubing. Tubing shall be evenly distributed based on pre installed spacer based on the manufacturer's specified heating design. Tubing shall be attached to the top side of the positive