

## Perimeter Trough

- A. When applicable provide manufacturer's standard Perimeter Trough heating and cooling system and components where indicated on the contract drawings. Trough housing shall be 10" x 10" x 22 ga. "U" channel design fabricated from hot dipped galvanized or galvanized steel with a galvanized steel baffle separator mounted inside the housing. Ends of trough shall be designed for a slip fit connection with additional trough sections or with inside or outside corners. End closure plates shall be provided as required. Trough shall be designed to support fin tube (fin tube by others) for perimeter heating and shall have optional cooling feature capability. Cooling capability shall consist of either rectangular cutouts into side of trough for mounting field-supplied actuated dampers to utilize underfloor cooling air OR circular cutouts for field-supplied flex duct connection to underfloor fan powered terminals. Cutout size shall be manufacturer's standard OR special size required to meet project specifications. Trough shall be self supporting without access floor panels in place and shall provide means of positioning support pedestals without the use of tools or hardware. Trough shall be designed to accommodate a 10" wide x ¾" thick aluminum bar grille. Manufacturer's standard 6' long aluminum bar grill shall be fabricated with .156" wide bars with 3/8" spacing OR 1/8" wide bars with 1/8" spacing (pencil proof). Trough housing shall be designed to support manufacturer's bar grill ¼" above surface of bare access floor panels to facilitate level transition from floor covering to grill. Bar grill finish shall be silver epoxy powder coat. Finished housing assembly shall have field-applied closed cell gasketing positioned on the two outer sidewalls for purposes of sealing unit to the perimeter wall and to adjacent floor panels.

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