

RADIANT CEILING WITH ALUMINUM HEAT EMISSION PLATE

NOTE: Use MrPEX® Design Software to establish heat loss for the structure, and to calculate

- › Make sure the bottom of the ceiling joists are clean and free of nails/screws etc..
- › For fastest installation, use 1 x 4's ad sleepers.
- › Start by the outside wall and attach one run of the 1 x 4 sleeper perpendicular (90 degrees) to the ceiling joists.
- › Following the first sleeper, leave a 1" gap and then continue to fasten two 1 x 4 sleepers next to each other to the ceiling joists covering the rest of the area. Stagger the sleepers at the end at least 8"-12" at the end of each run to leave ample room for tube turn. Accommodate for the return tube run back to the manifold.
- › Place omega plates in the 1" grooves. Leave ¼" - ½" space between plates. Using a pneumatic stapler, staple only one side of the omega plate to the sleeper.
- › Start laying the tube snapping it into the omega plates as you go along. Connect the tubing to the manifold and repeat process for next loop.
- › Once tubing is installed, perform a pressure test of 40 – 60 psi for 24 hrs to ensure that the tubing has not been damaged during installation.
- › Install sheetrock making sure not to damage the tubing. Leave system under pressure on to notice any damage during installation.

