



February 28, 2018

Mr. John Ladany
156 Main Street
Broad Brook, CT 06016

Dear Mr. Ladany:

RE: I-03-18 – Use of Copper Tubing for Low Pressure Steam

This is in response to your letter dated February 6, 2018 in which you are seeking a formal interpretation to the following question.

Question

Can one use Type L copper tubing with soldered fittings to convey steam from a residential or commercial steam boiler (low pressure) to cast iron radiators?

Answer:

Yes, in the 2016 State Building Code both the 2012 International Residential Code - Table M2101.1 and 2012 International Mechanical Code (IMC) - sections 1202.4, 1202.5 and 1203.3.3, respectively allow the use of copper tubing, copper fittings and solder joints for hydronic piping.

You should note that IMC section 1203.1.1 requires the use of “approved adapter fittings” between dissimilar materials, such as copper and cast iron and that all equipment and material must be installed in accordance with the manufacturer’s installation instructions.

Sincerely,

Joseph V. Cassidy, P.E.
State Building Inspector

JVC:bags