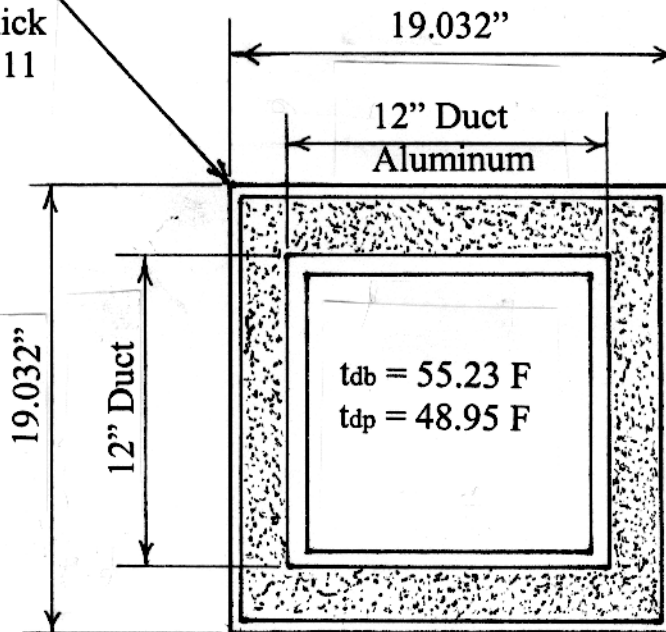


End Of Duct Run (50 feet)

Aluminum Jacket
0.016 inches thick
Emissivity = 0.11



3 ½ inch thick
Fiberglass Insulation
Density 6 lb/ft³
450 F max

Wind
100 ft/min
1.1364 mph

Ambient Condition
Dry Bulb = 90 F
RH = 80 %
Dew Point = 82.99 F

At the end of the duct run the inside duct air dry bulb did not get cooled below the inside duct air dew point therefore the inside duct air is not condensing. To determine if the inside duct surface temp. is below the inside air dew point would require another computer analysis at the end of the duct run.

To determine if the outside duct surface temperature and to check if it is causing the outside air to condense on it would require another computer analysis using the inside duct air properties at the end of the 50 foot duct run.