

# THERMAL BARRIER INSTALLATION

UNDER MOSAIC STONE COATED STEEL ROOFING SYSTEM



## PRE-EXISTING ROOF TEMPERATURE READINGS

Homeowner was experiencing a 30 degree Fahrenheit temperature variance between the outside temperature and the inside attic temperature with his existing composite shingle roof.

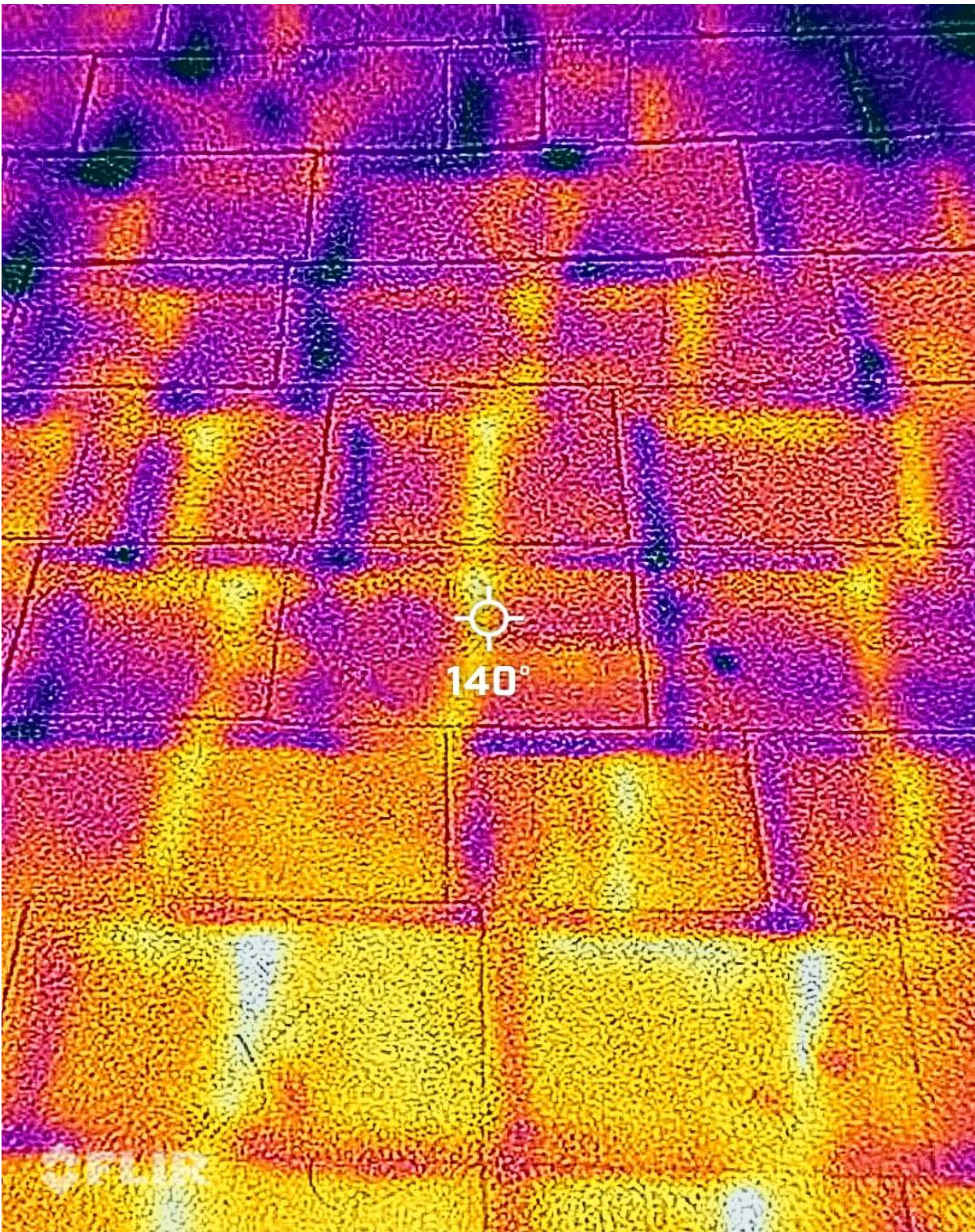
PRE-EXISTING COMPOSITE SHINGLE ROOFING SYSTEM (ASPHALT)

(AMBIENT OUTSIDE TEMPERATURE 62 DEGREES FARENHEIT)





EXTERIOR ROOF DECK TEMPERATURE READING (140 DEGREES FARENHEIT)



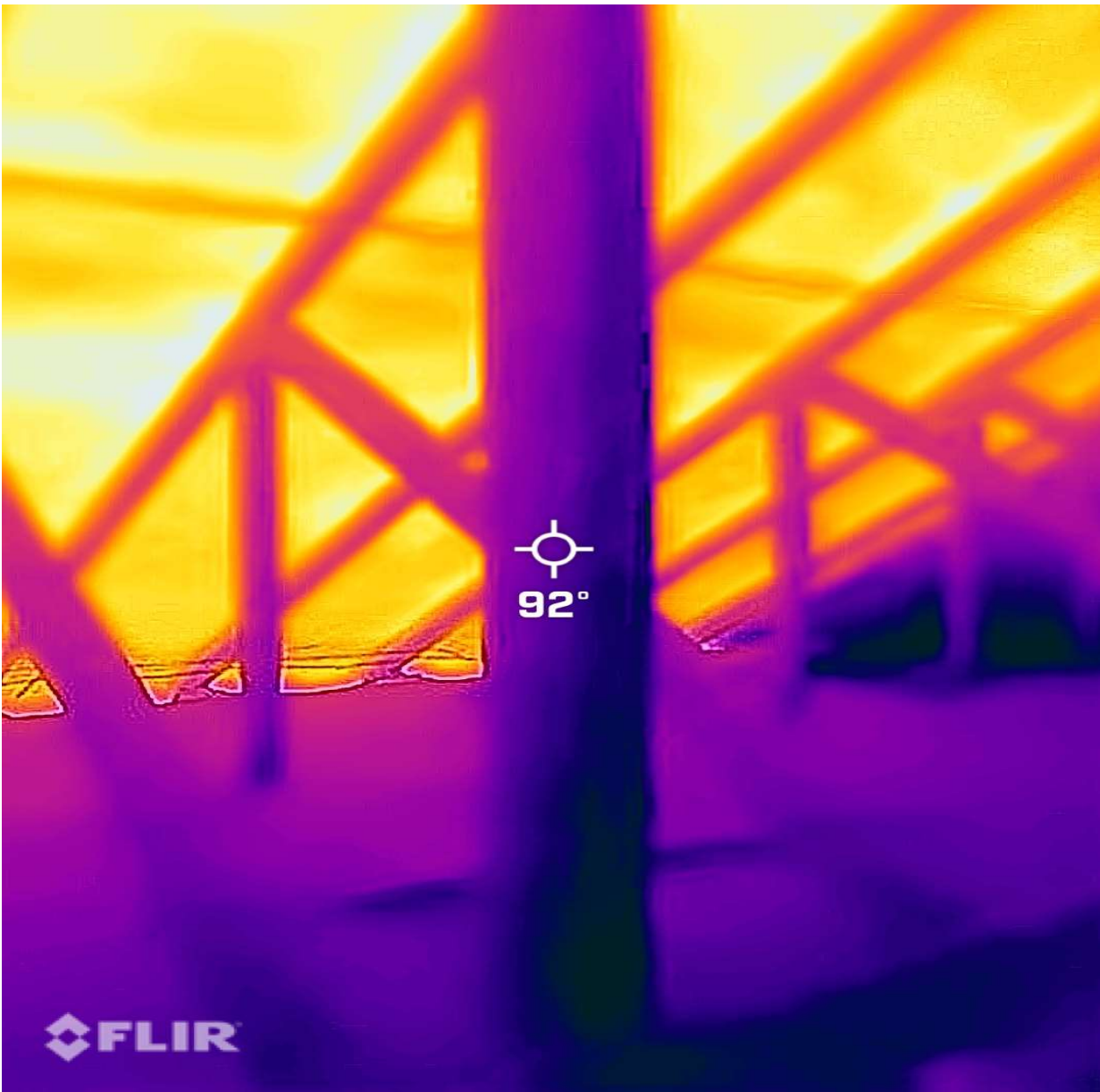


INTERIOR ATTIC TEMPERATURE UNDERSIDE OF ROOF DECKING (105 DEGREES FARENHEIT)





INTERIOR ATTIC TEMPERATURE MIDDLE OF AIR SPACE (92 DEGREES FARENHEIT)





# TEMPERATURE READINGS AFTER INSTALLATION OF RADIANT BARRIER

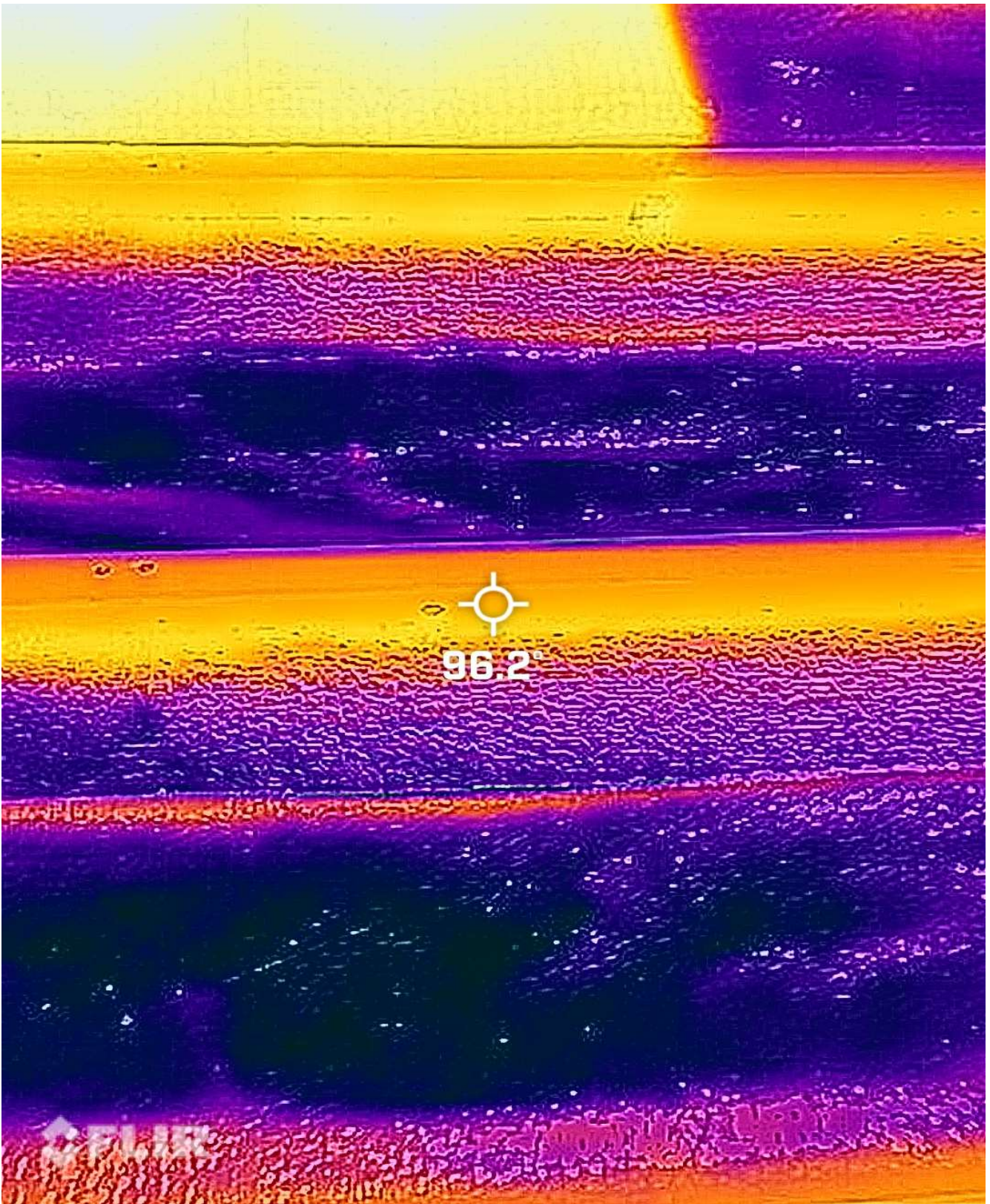
Two degree variance between outside air temperature and interior air space of attic after installation of thermal barrier, with interior attic temperature being cooler than outside air temperature.

AMBIENT OUTSIDE TEMPERATURE (84 DEGREES FARENHEIT)



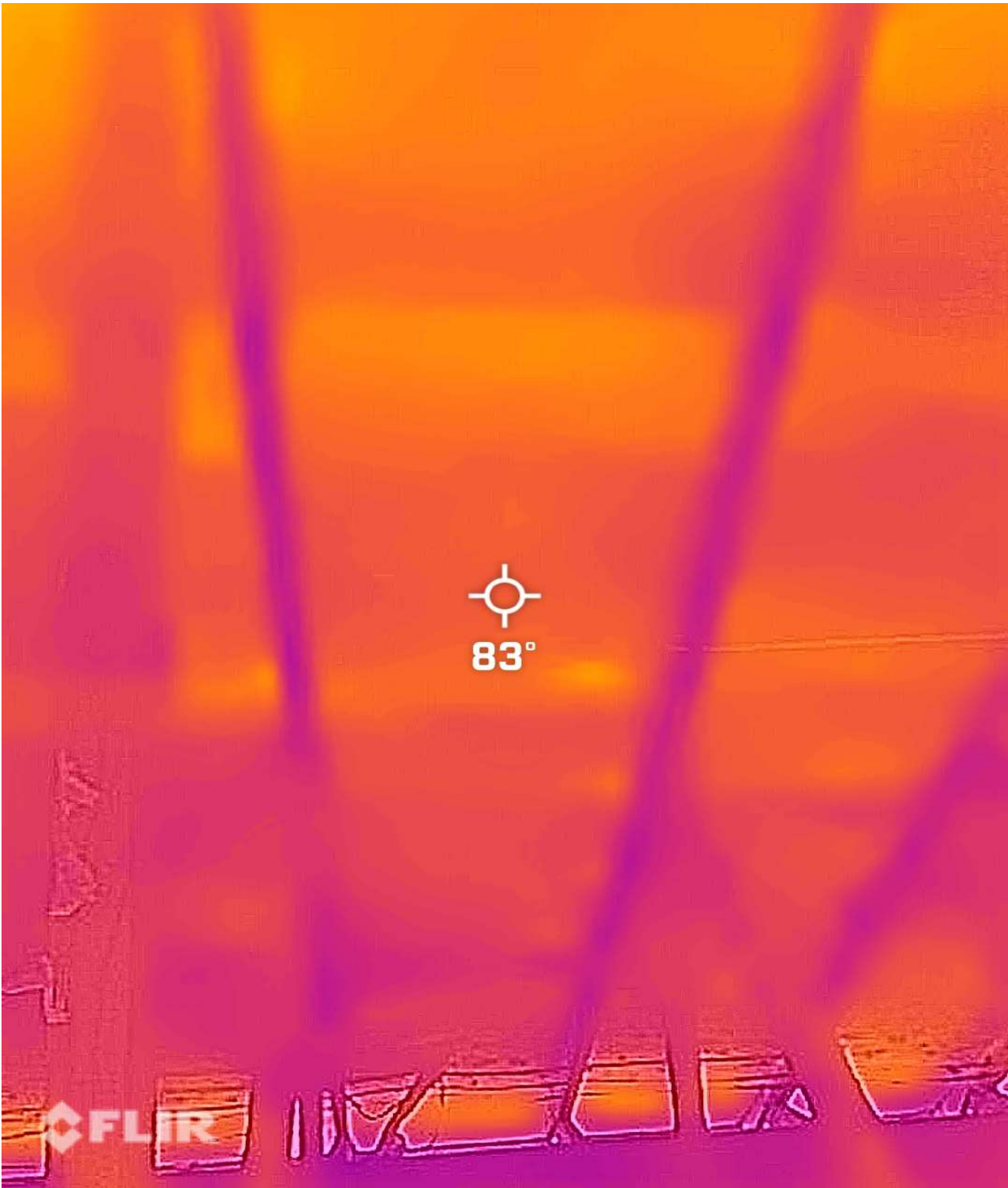


EXTERIOR BATTEN TEMPERATURE 96.2 DEGREES FARENHEIT





INTERIOR ATTIC TEMPERATURE UNDERSIDE OF ROOF DECKING (83 DEGREES FARENHEIT)





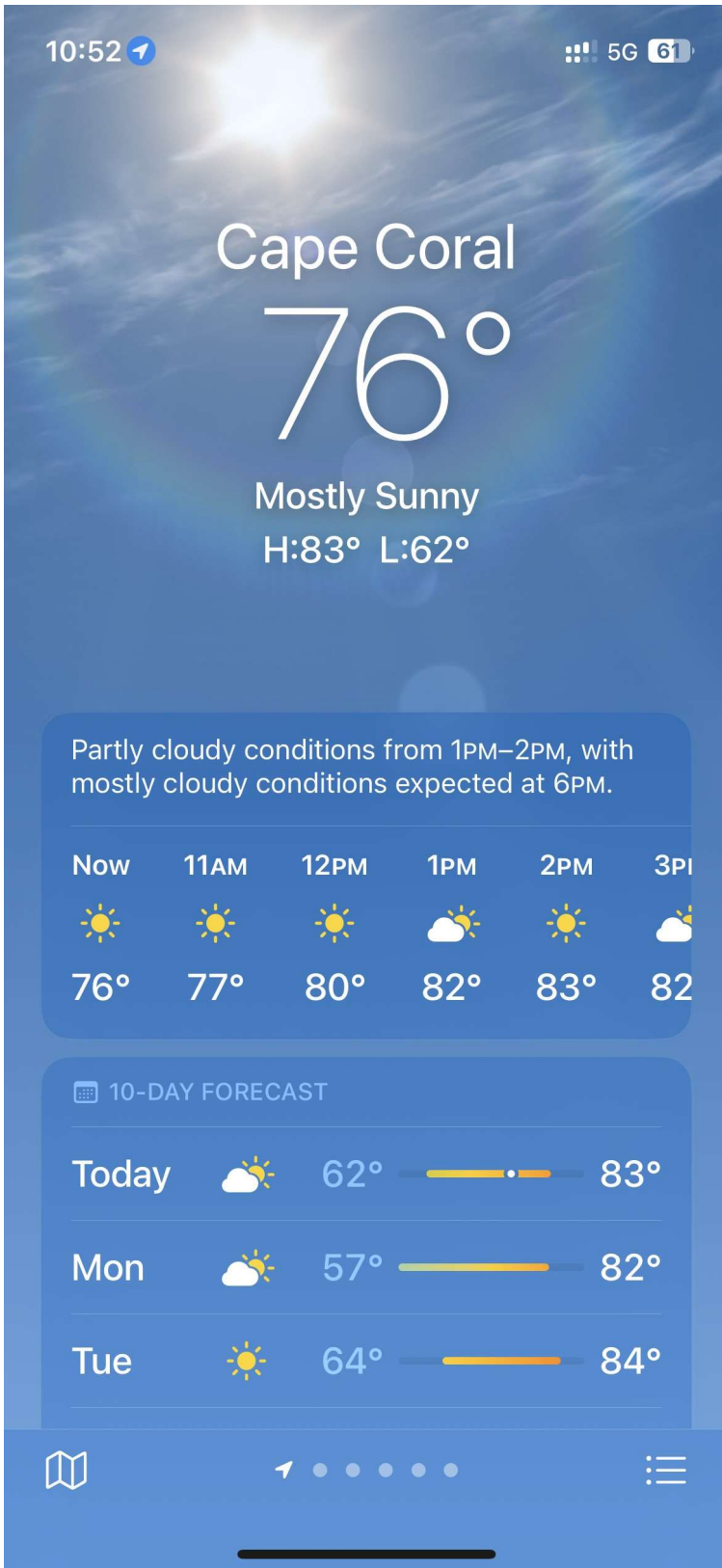
INTERIOR ATTIC TEMPERATURE MIDDLE OF AIR SPACE (82 DEGREES FARENHEIT)



# TEMPERATURE READINGS AFTER INSTALLATION OF MOSAIC STONE COATED STEEL ROOFING SYSTEM WITH RADIANT BARRIER

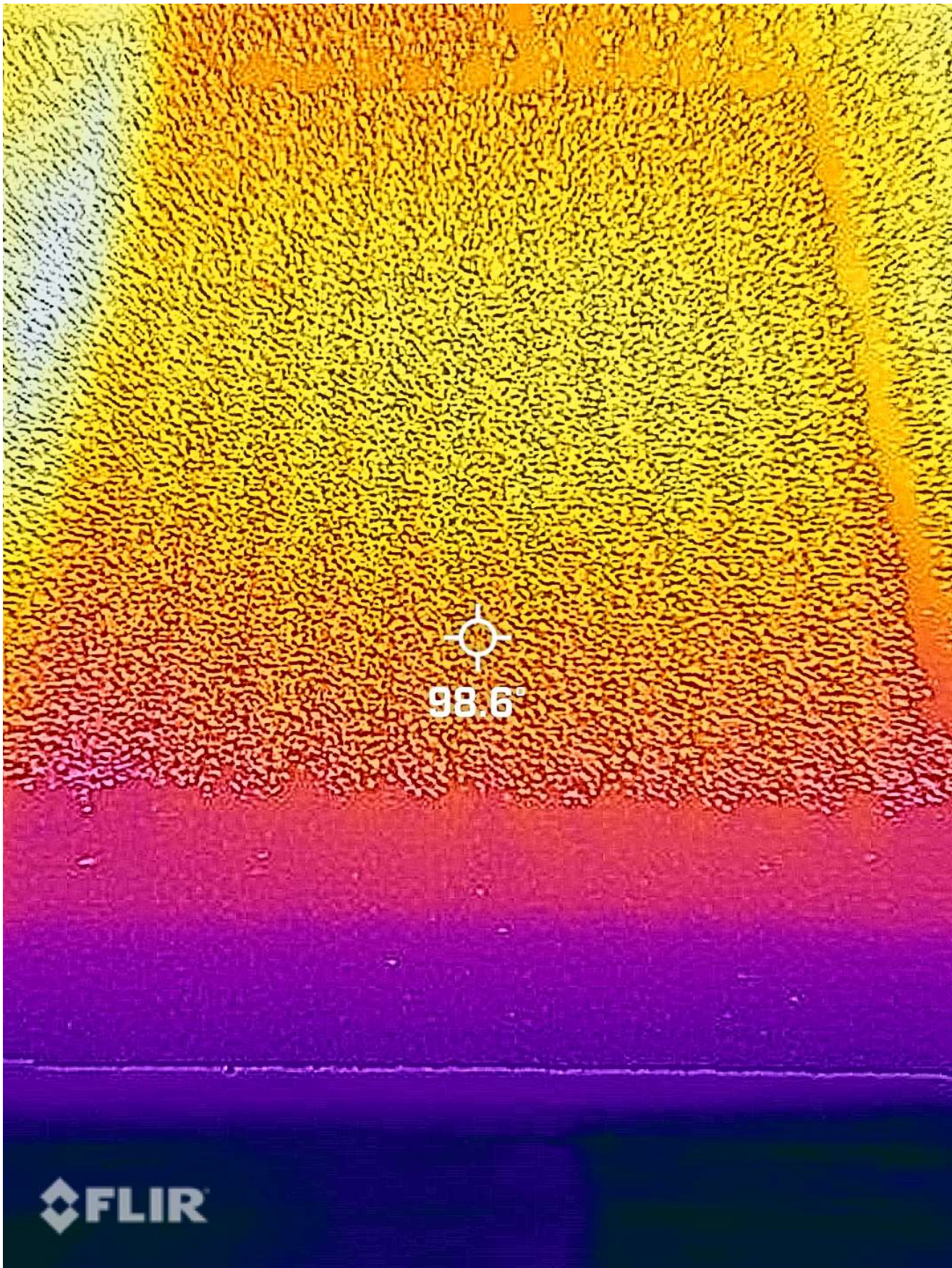
One degree variance between outside air temperature and interior air space of attic after installation of thermal barrier.

AMBIENT OUTSIDE TEMPERATURE (76 DEGREES FARENHEIT)



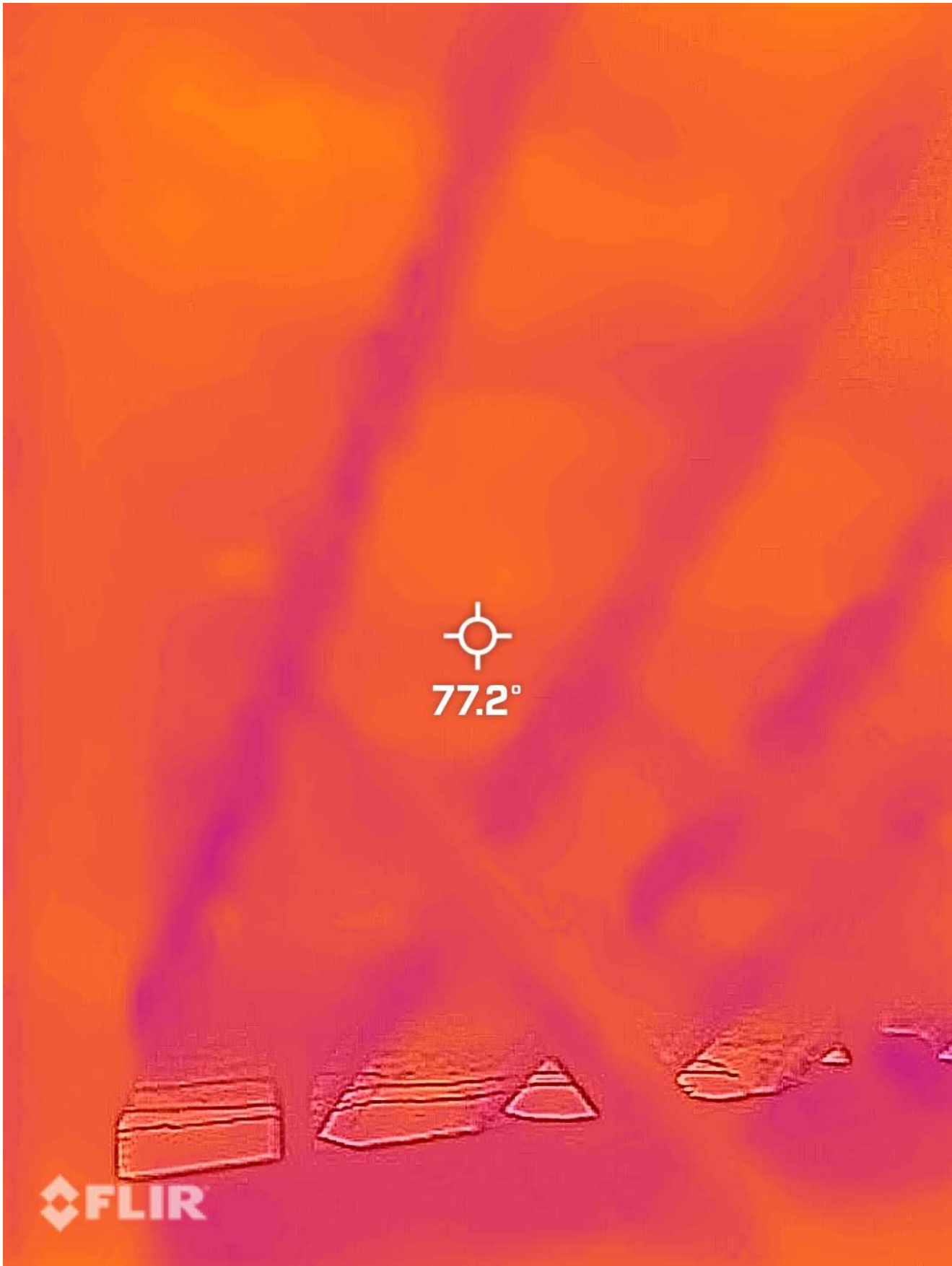


EXTERIOR ROOF DECK TEMPERATURE READING (98.6 DEGREES FARENHEIT)



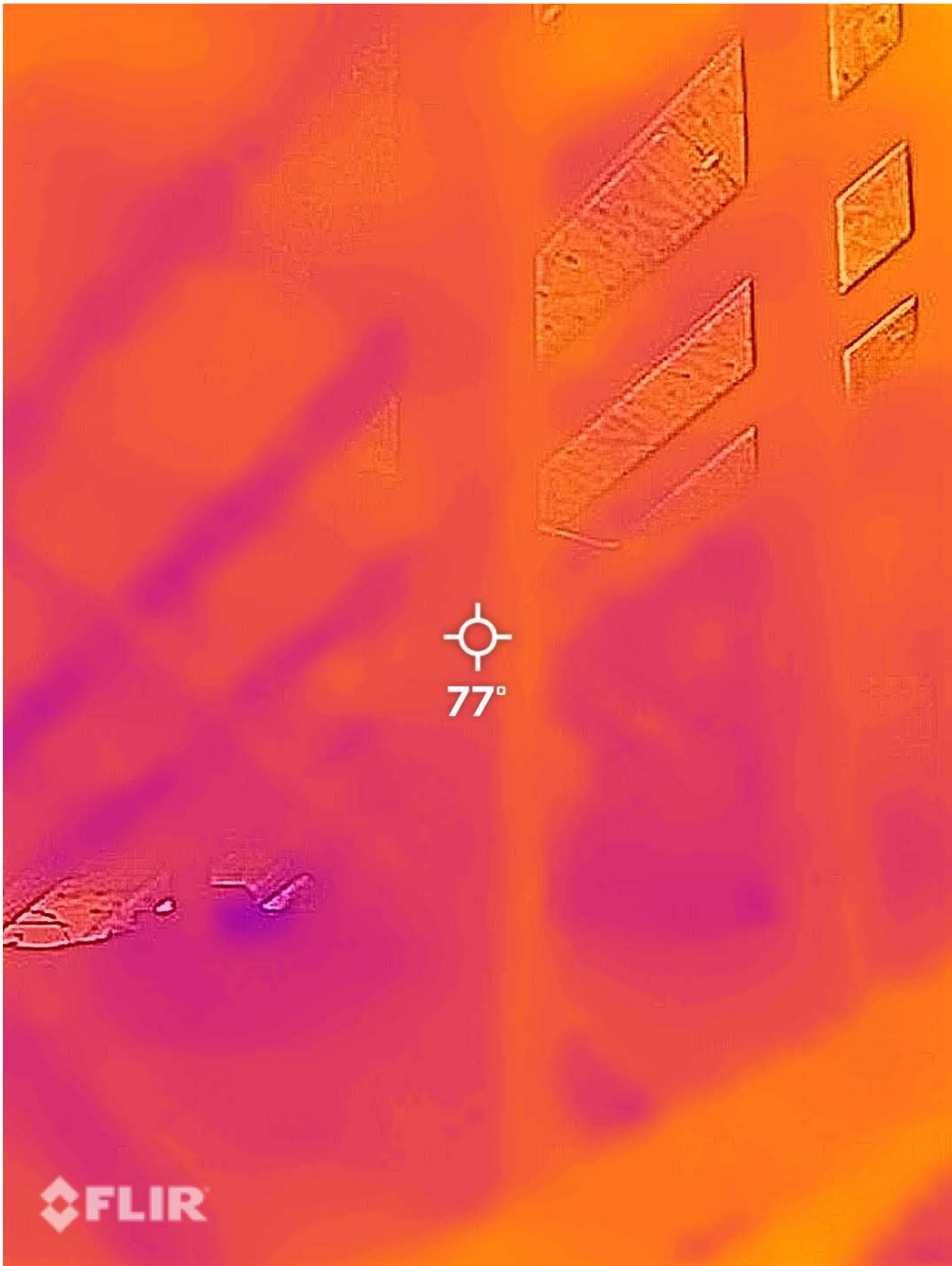


INTERIOR ATTIC TEMPERATURE UNDERSIDE OF ROOF DECKING (77.2 DEGREES FARENHEIT)





INTERIOR ATTIC TEMPERATURE MIDDLE OF AIR SPACE (77 DEGREES FARENHEIT)





COMPLETION PHOTOS

