



500 N Estrella Pkwy Suite B2602, Goodyear, AZ 85338-4135
Tel: 623-444-5588 Mobile: 818-903-4902
www.scantechinspections.com jeremy@scantechinspections.com

CONFIDENTIAL INSPECTION REPORT Infrared Thermal Scan

PREPARED FOR:
John Doe

INSPECTION ADDRESS

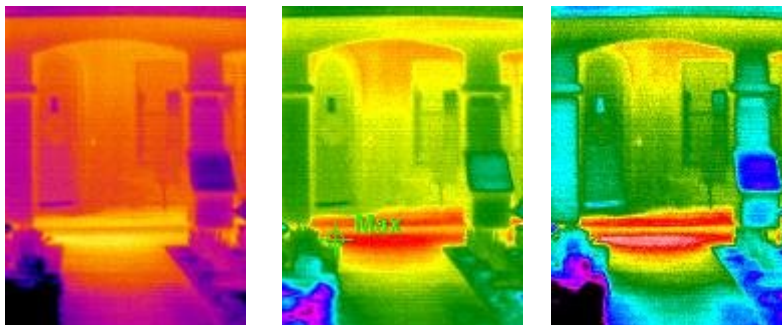
5678 Harmony Lane, AZ 85396

INSPECTION DATE

9/17/2007 11:30 am

SPECIFIED SYSTEMS

Electrical, HVAC, Insulation



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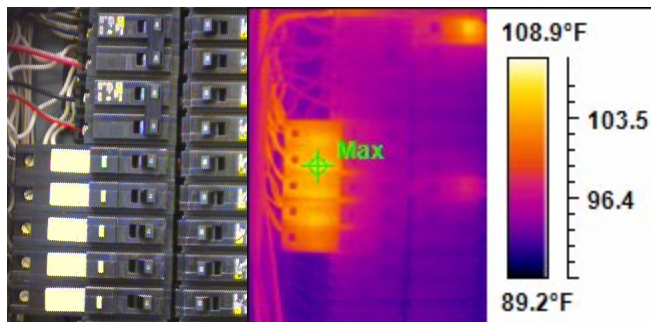
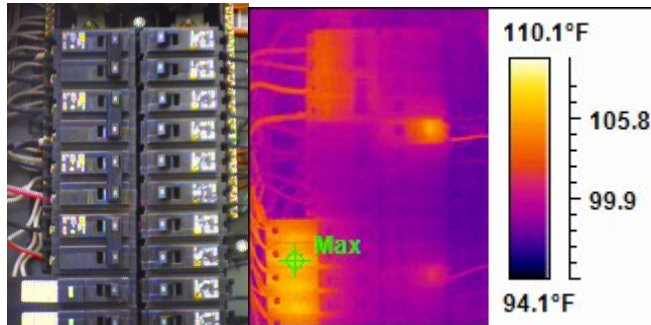
Inspection Address: 5678 Harmony Lane, AZ 85396
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Electrical

Exterior

Main Panel

Informational



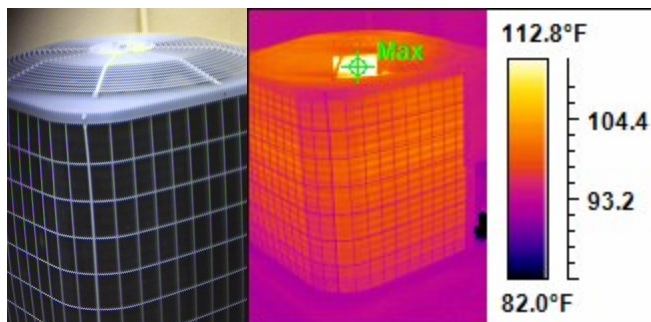
The electrical panel was scanned after the ac units had been running for 30 minutes. The temperatures are normal.

Heat – Air Conditioning

Exterior

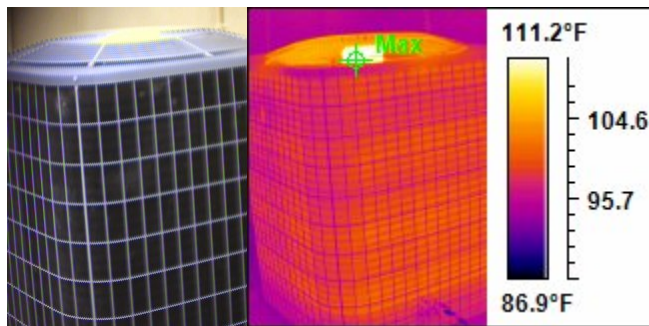
Condenser – Compressor Units

Informational

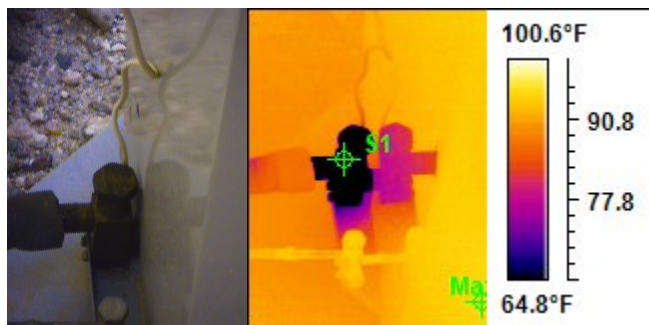


Condenser Unit #1 – The coils have even distribution and all temperatures are within acceptable limits.

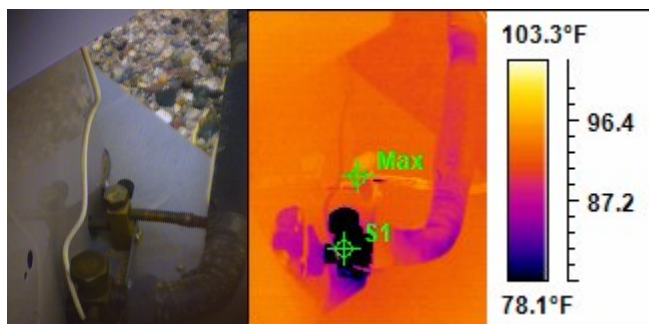
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Condenser Unit #2 – The coils have even distribution and all temperatures are within acceptable limits.



Condenser Unit #1 – Acceptable coolant differential. S1=47.8°

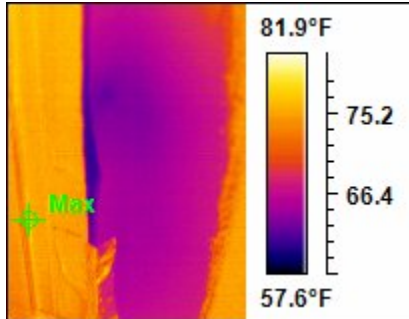


Condenser Unit #2 – Acceptable coolant differential. S1=49.6°

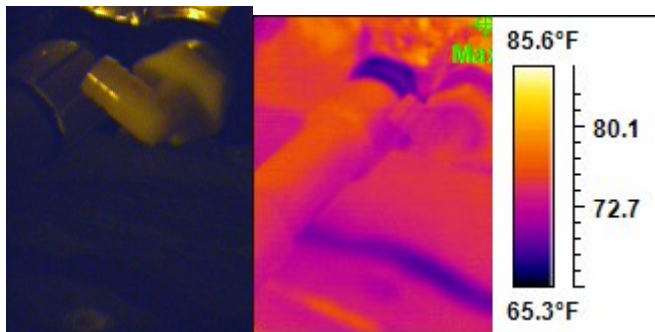
Attic

Furnaces – Air Handlers

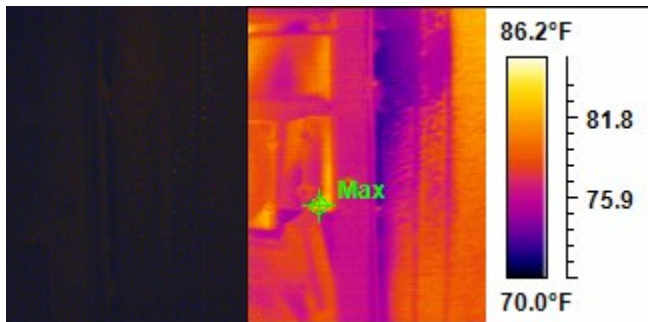
=====> *Components and Conditions Needing Service*



The rear air handler is leaking cold air where the access panel to the evaporator is taped. The tape has come loose. A more secure method of sealing is needed such as duct sealant. This needs evaluation and correction by a qualified professional.

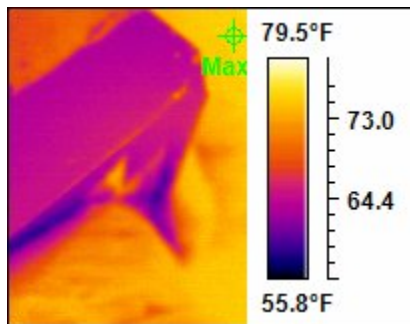


The rear air handler is leaking cold air at condensate drain and refrigerant connections. This needs evaluation and correction by a qualified professional.

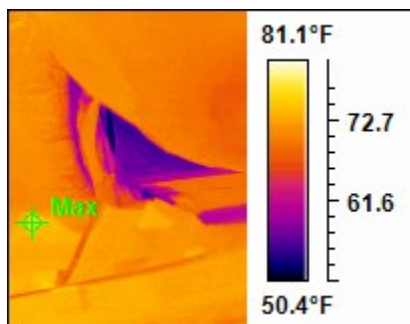
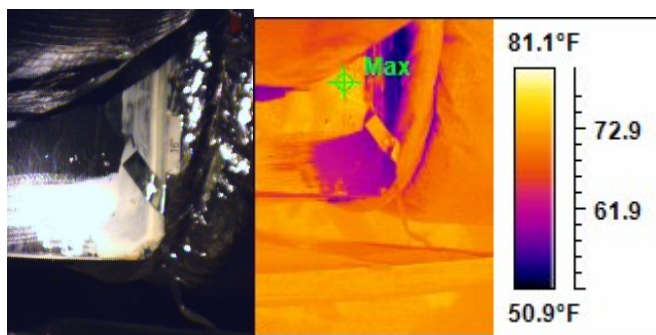


The rear air handler is blowing cold air from a moderate gap between the furnace and the evaporator cabinet. This needs evaluation and correction by a qualified professional.

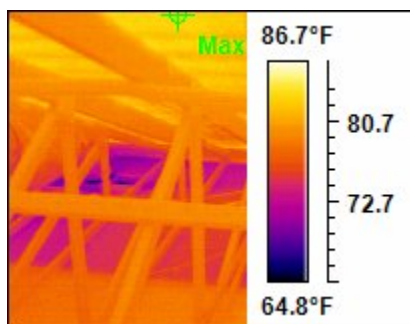
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The rear air handler is leaking cold air from behind the plenum at the duct connection. Above is a view from the top. Below is a view from beneath. This needs evaluation and correction by a qualified professional.



The front air handler is leaking from the supply plenum duct connection. This view is from beneath.



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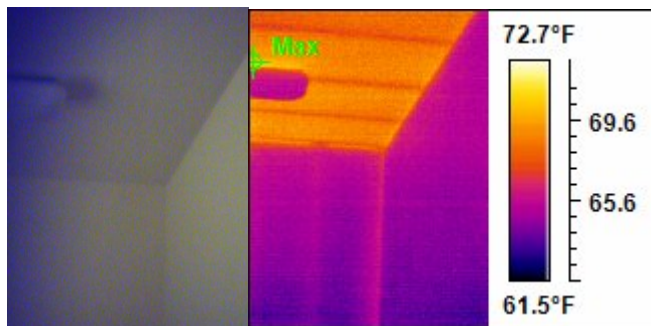
At the left center, the supply duct connection to the register to the uninsulated exercise room is atypically cold for an attic. It could be leaking cold air into the attic. This needs evaluation and correction by a qualified professional.

Insulation

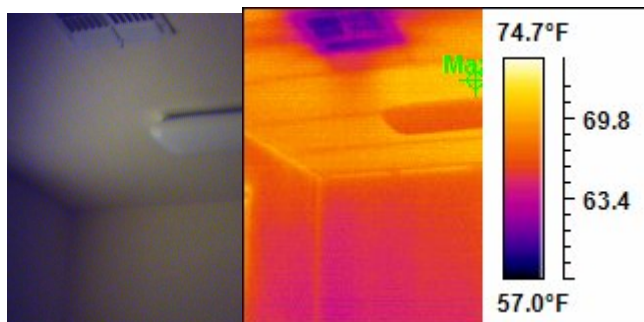
Interior

Exercise Room

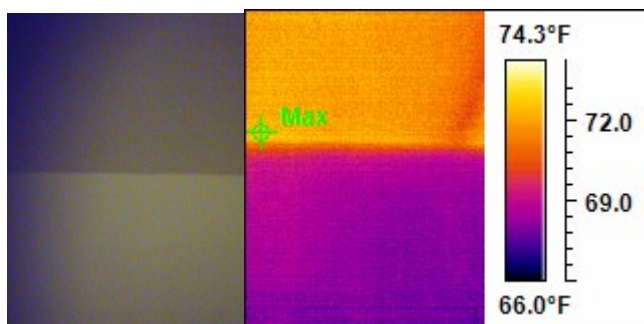
=====> *Components and Conditions Needing Service*



The north east corner of the exercise room shows atypical heat from the ceiling as would be the case if there were no insulation. This was confirmed visually in the attic.



The north west corner shows the same pattern.



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The south east wall and ceiling show the atypical heat differential between the wall and the ceiling of missing ceiling insulation.

Other Specified Systems

Interior

Observed and Accessed Portions

Informational

There were no significant anomalies noted on the other observed and accessed portions of the SPECIFIED systems of the Property