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Thermal Imaging Report

This is an individual service provided independently of a property inspection for a real-estate transaction regarding the inspection at: 6256 Patriot St. McKinney, TX 75070

Refer to your contract for important related information.

Thermal imaging is a technology that allows the INSPECTOR to show things about a building that cannot be seen with the naked eye. It is NOT x-ray vision, CANNOT see through walls, & is NOT 100% accurate. Thermal imaging offers an advantage to the educated inspector & client to ASSIST this inspector in discovering anomalies that can be used in further investigation to aid in the discovery of deficiencies. This is not a mold inspection; This service will NOT identify all deficiencies at the subject property. Thermal imaging produces images of invisible heat energy emitted from objects and systems in the building. Thermal imaging helps to diagnose the problem rather than merely identify symptoms and can sometimes, but not always, aid the inspector in locating & identifying deficiencies such as, but not limited to: Electrical faults, moisture intrusion, deficient building insulation or other components/materials, heat loss or other energy loss /efficiency conditions. The images can then be included in the inspection report providing supporting documentation to the report. Many images will be taken by the inspector; not all images will be included in the report, unless otherwise agreed to between the inspector & client prior to report preparation. Some interpretations are limited or inconclusive, because invasive measures were not performed to fully diagnose all conditions.

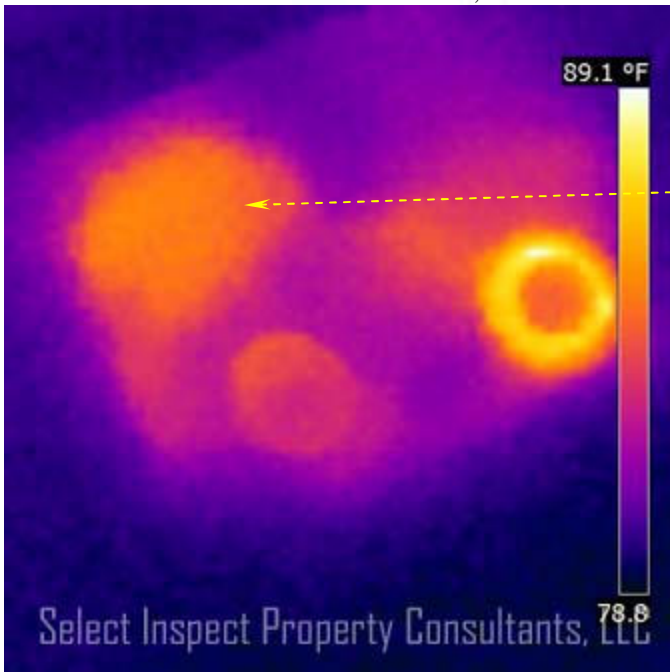
Refer to the temperature scale on the thermal image for variance within each image; please understand that even though there may be “many colors” within each image, such does not mean there is excess temperature variance, deficiency, or abnormal condition. There are multiple factors involved in evaluating each image. Some of these factors include, location in/on the building, structural modifications, ambient temperature, humidity, reflective component(s) in proximity to areas within the image, & other areas & or component(s) that may be more or less emissive within proximity to the areas that may or may not be pictured within the image(s).

Basically, when observing the Thermal images the following applies: brighter colors (red, orange, yellow, white, etc) have more heat & darker/blue-tone colors (blue, green, purple, etc) have less heat / cooler.

In summer/warmer months the bright colors generally imply heat infiltration at the interior; dark colors imply conditioned air loss at the exterior.

In winter/colder months the dark colors generally imply cold infiltration at the interior; bright colors imply heated air loss at the exterior.

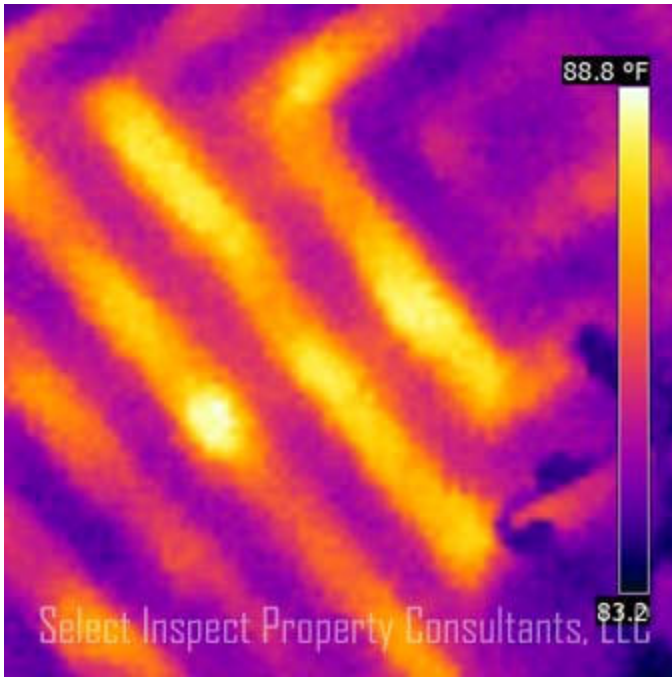
some electrical and mechanical components have a high heat or some energy loss signature simply due to the nature of their operation, & unless an unusual condition is discovered, would not necessary be included in this report.



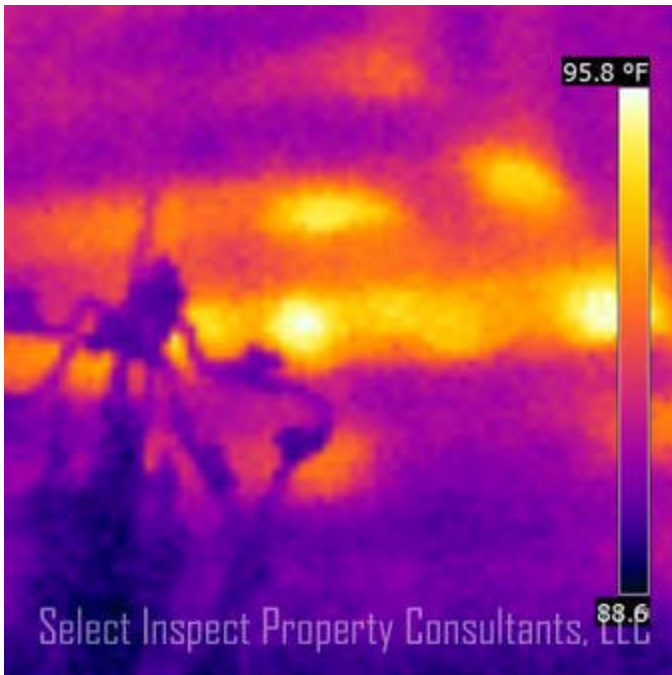
↑ Thermal imaging implies energy loss at the office/study; insulation deficiency confirmed in attic.

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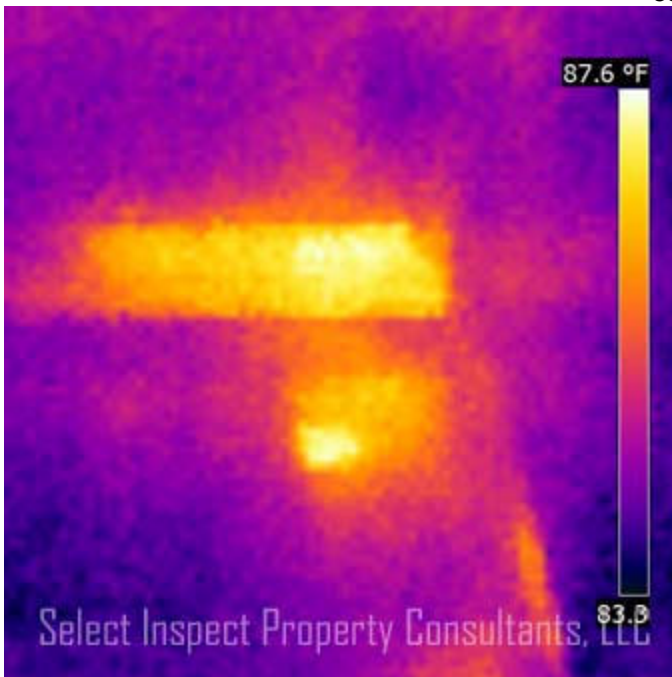
↑ Thermal imaging implies energy loss at the entry; suspected insulation deficiency



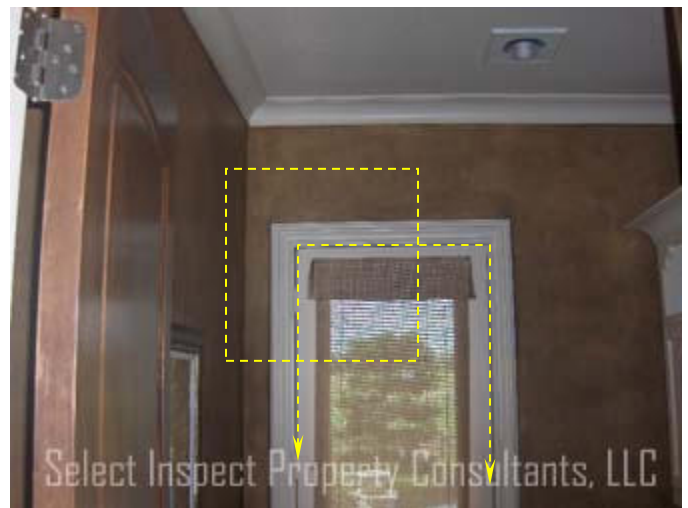
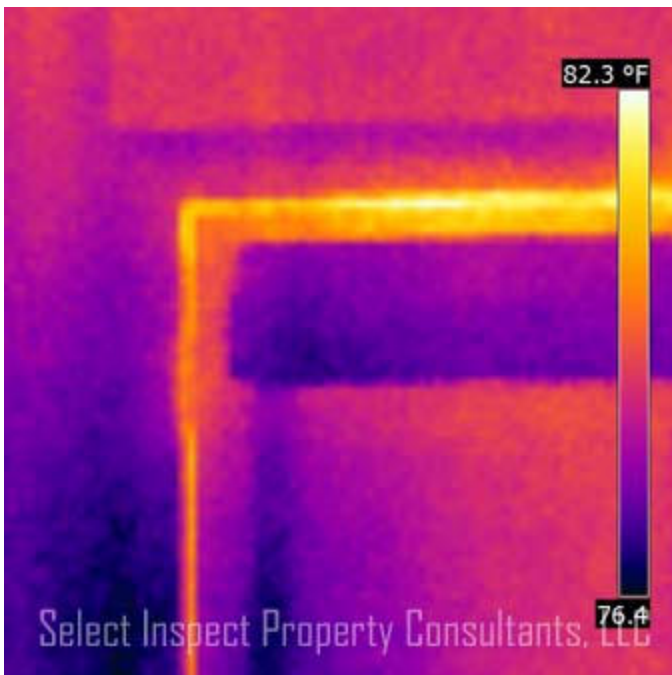
↑ Thermal imaging implies energy loss at the entry; suspected insulation deficiency

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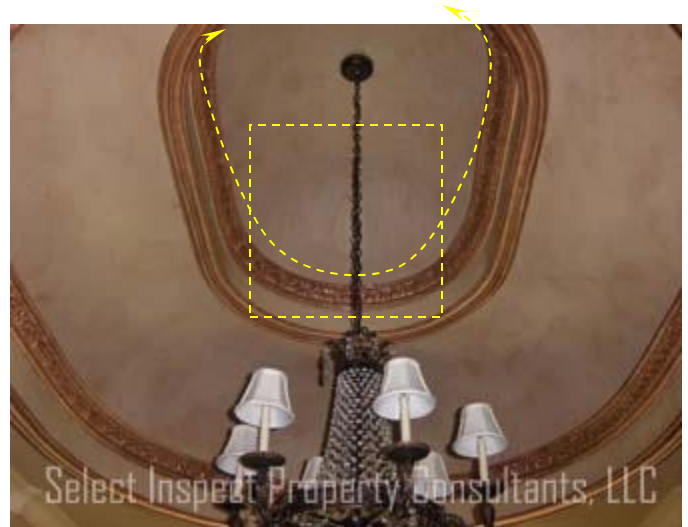
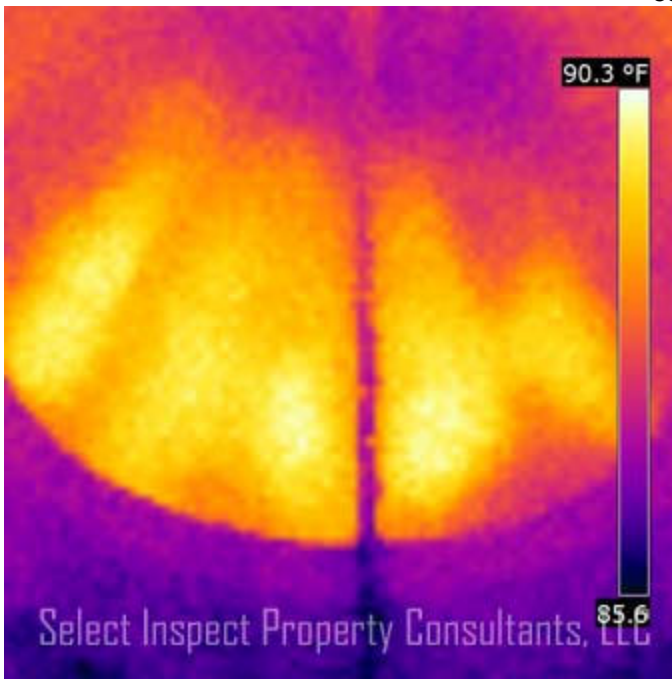
↑ Thermal imaging implies energy loss at the foyer; suspected insulation deficiency



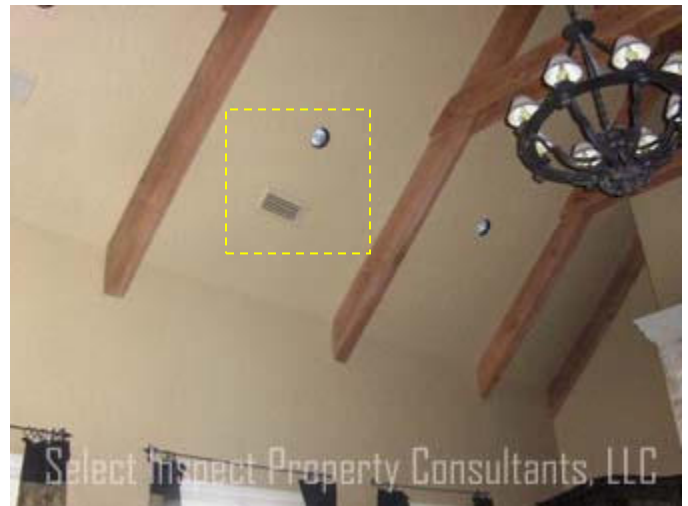
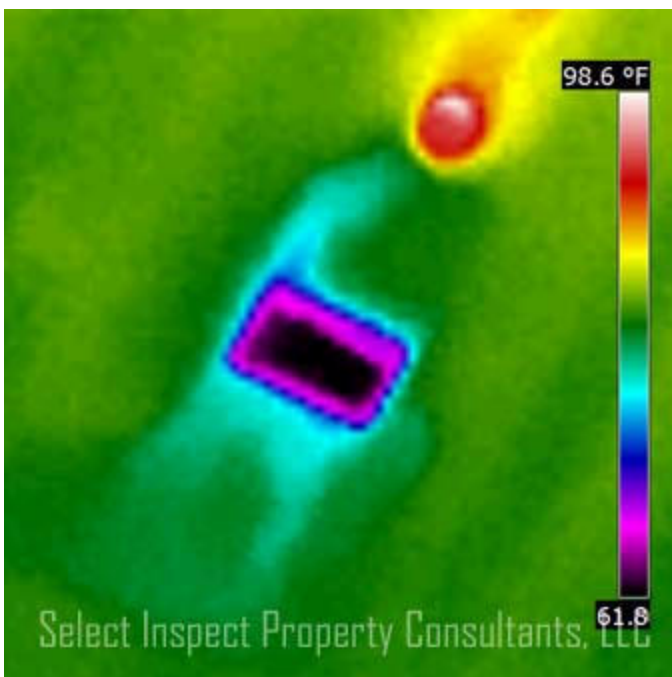
↑ Thermal imaging implies energy loss at the pool bath doorway; deficient weatherstrip confirmed

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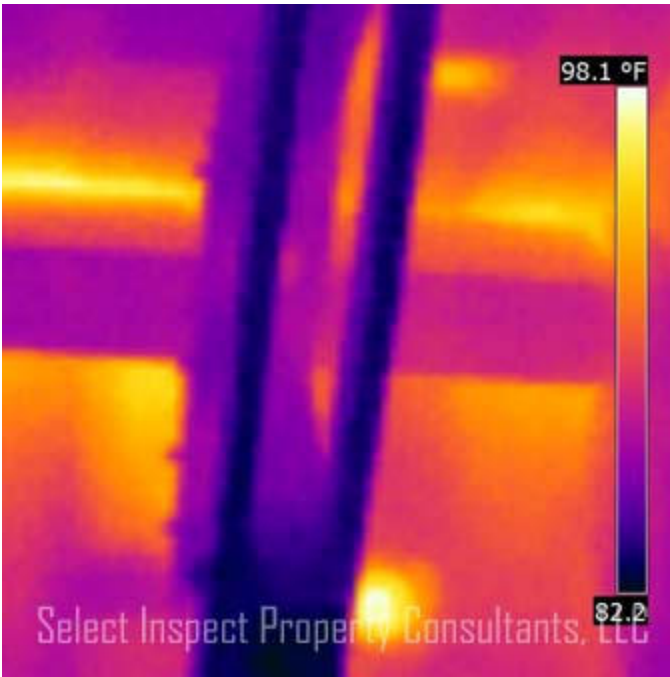
↑ Thermal imaging implies energy loss at the master bathroom; insulation deficiency confirmed in the attic



↑ Thermal imaging implies energy loss at the family room; deficient air ducting insulation around the vent allows air loss in the attic

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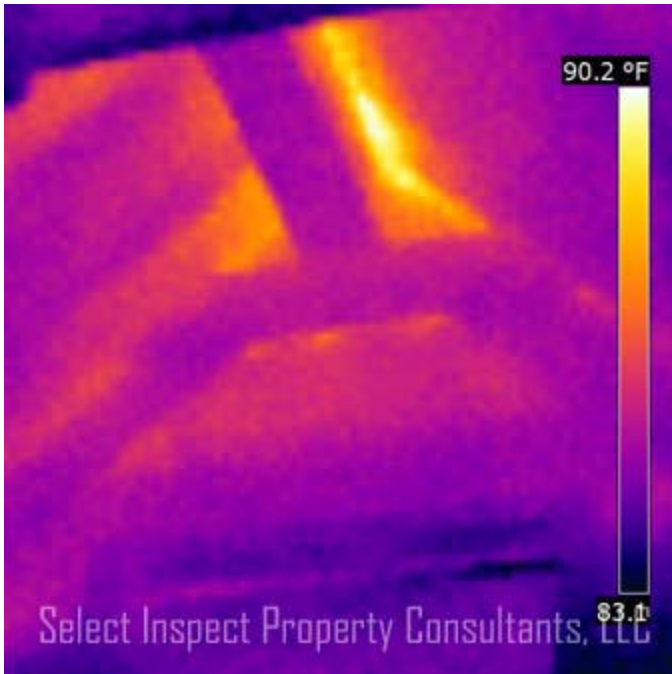
↑ Thermal imaging implies energy loss at family room vault; this is a high vaulted ceiling & such is conducive to heat rising; with the limited space between the pitched ceiling & roof at this room, the feasibility of improvement is questionable, due to design.



↑ Thermal imaging implies energy loss at family room vault

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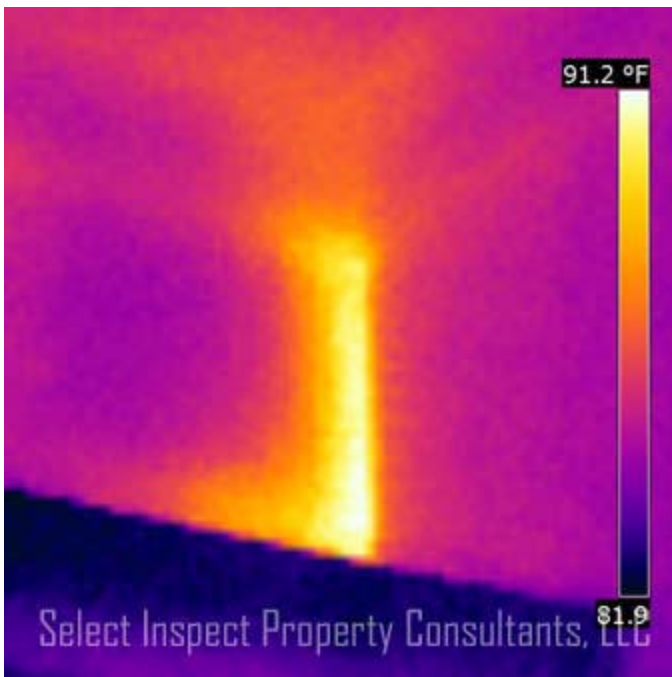
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↑



↑ Thermal imaging implies energy loss at family room vault

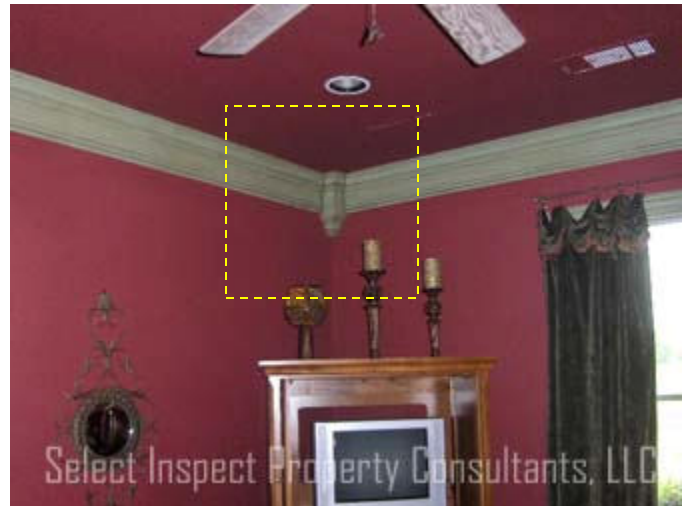
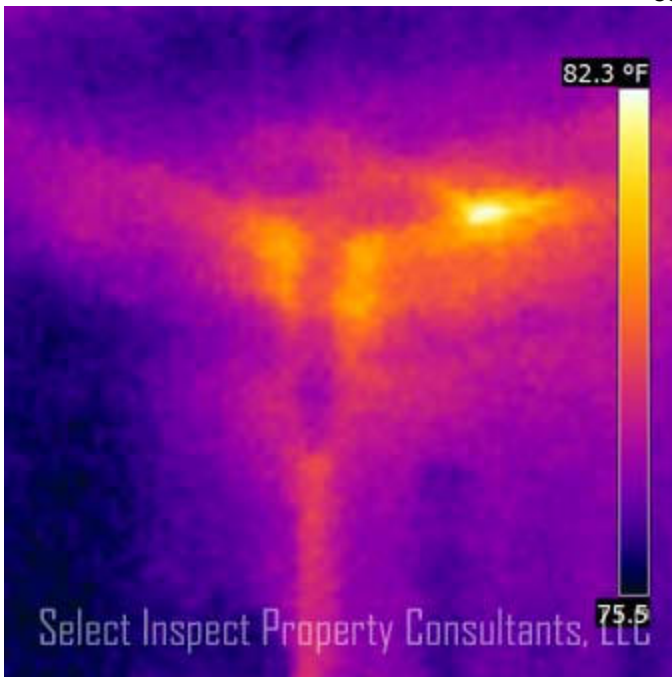


↑ Thermal imaging implies energy loss at the laundry room corner

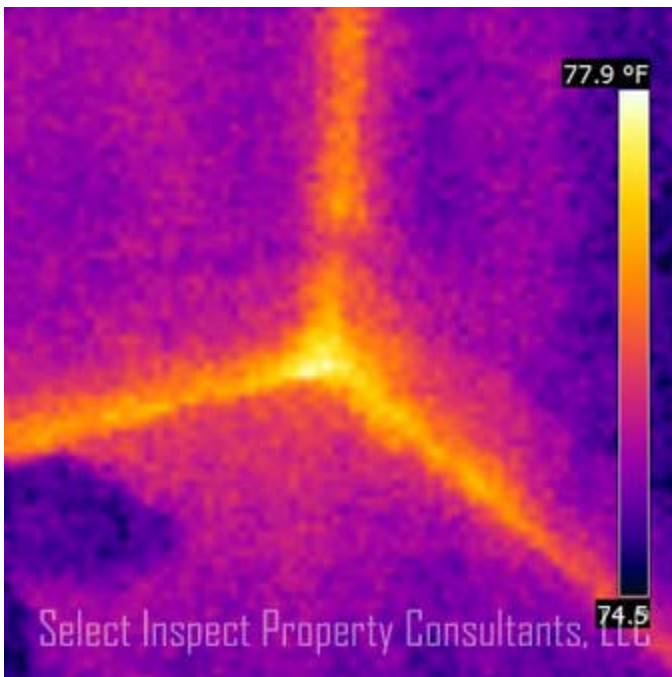


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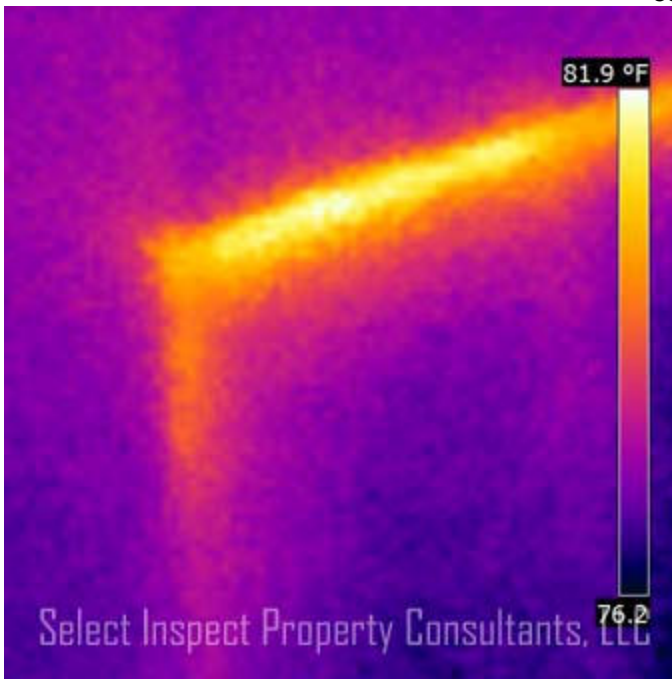
↑ Thermal imaging implies energy loss at the guest bedroom southeast corner



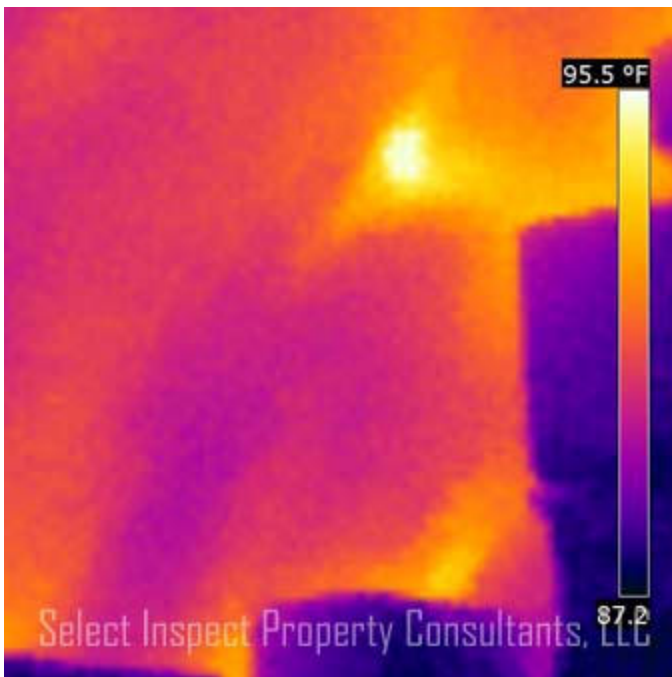
↑ Thermal imaging implies very slight energy loss at the guest bedroom floor/wall; keep in mind the temperature variance in this image was only 3.4 "minor significance"

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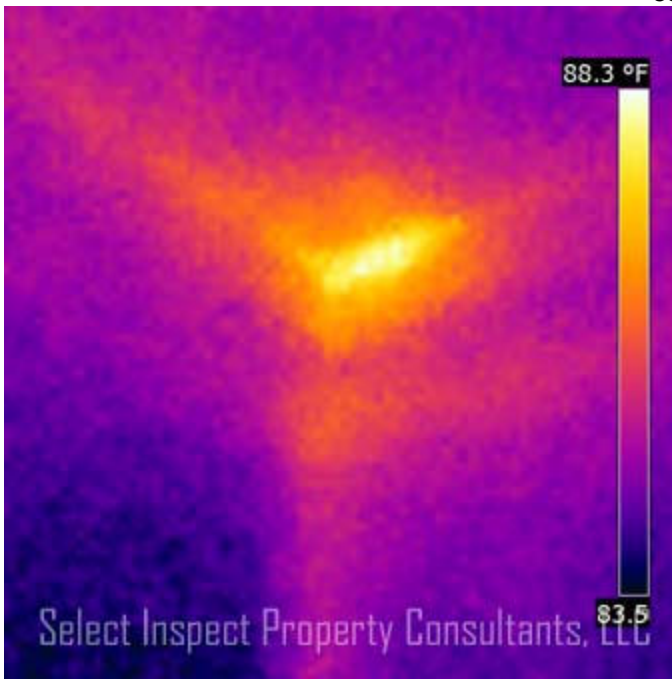
↑ Thermal imaging implies energy loss at the guest bedroom closet; minimal variance; 5.7°



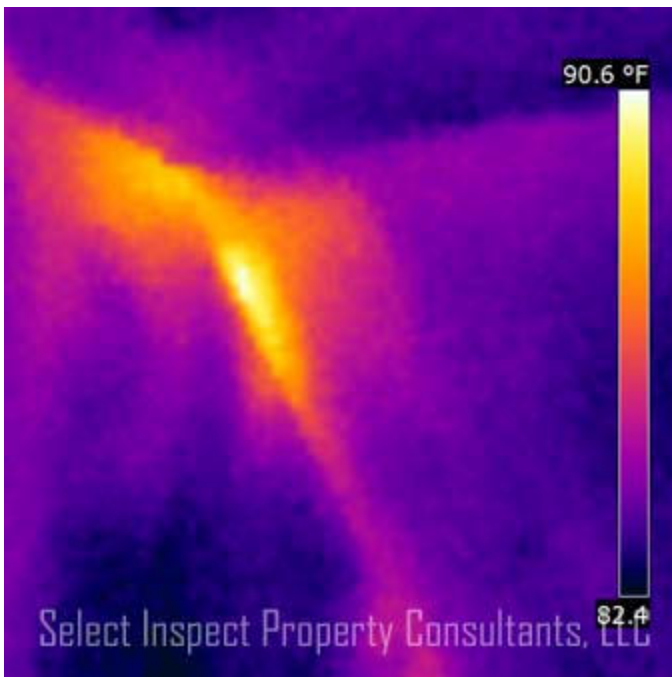
↑ Thermal imaging implies energy loss at northeast bedroom closet; thin/slipped insulation at vault

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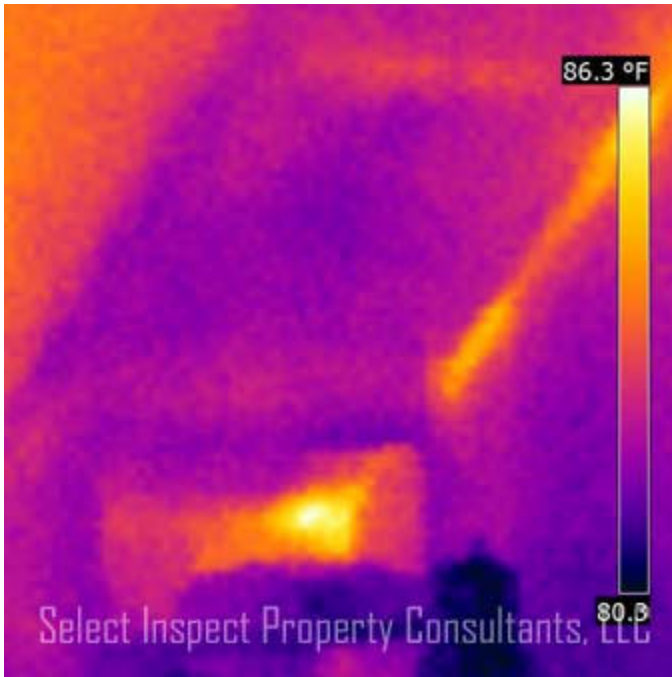
↑ Thermal imaging implies energy loss at split bath east; thin insulation at corner



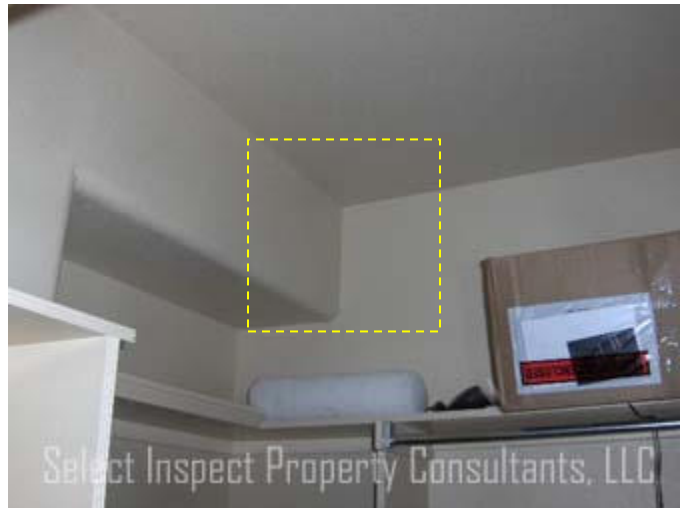
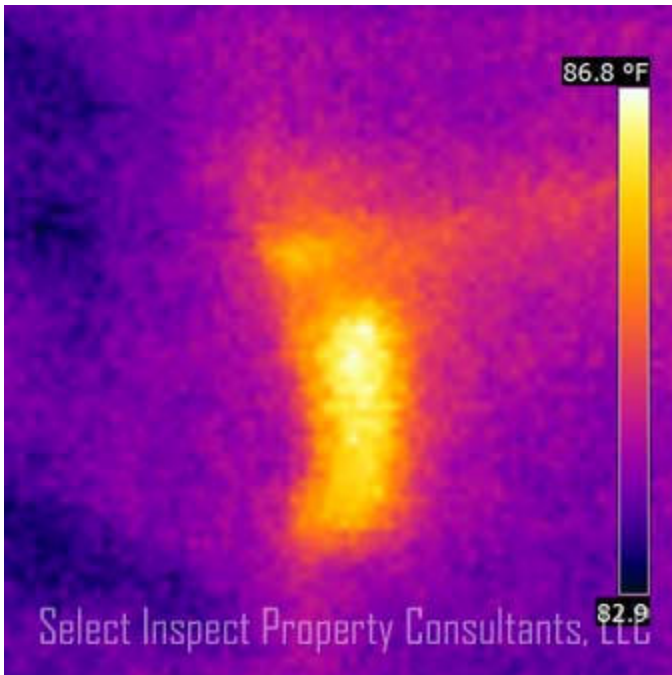
↑ Thermal imaging implies energy loss at northwest bedroom; thin/slipped insulation at vault

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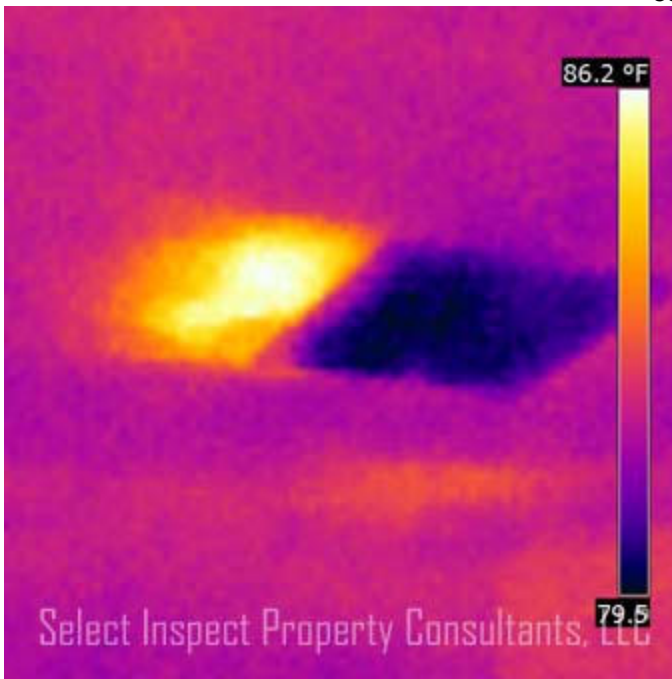
↑ Thermal imaging implies energy loss at northwest bedroom; thin/slipped insulation at vault



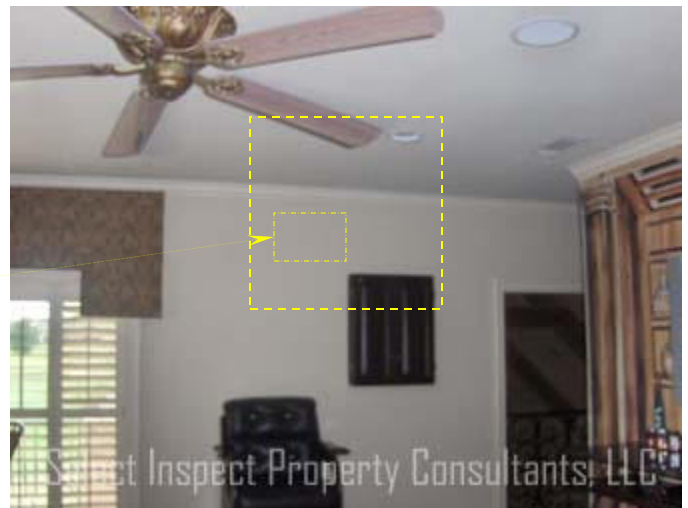
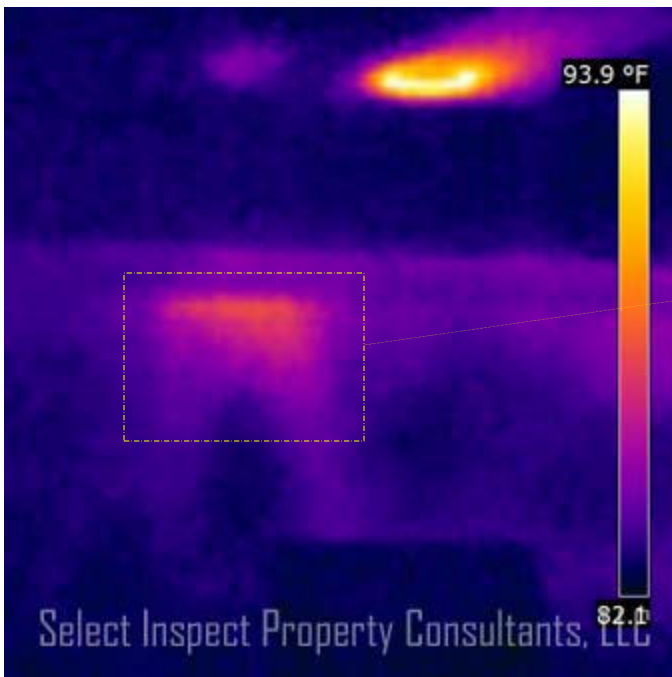
↑ Thermal imaging implies energy loss at closet; thin insulation at corner; minimal variance 3.9°

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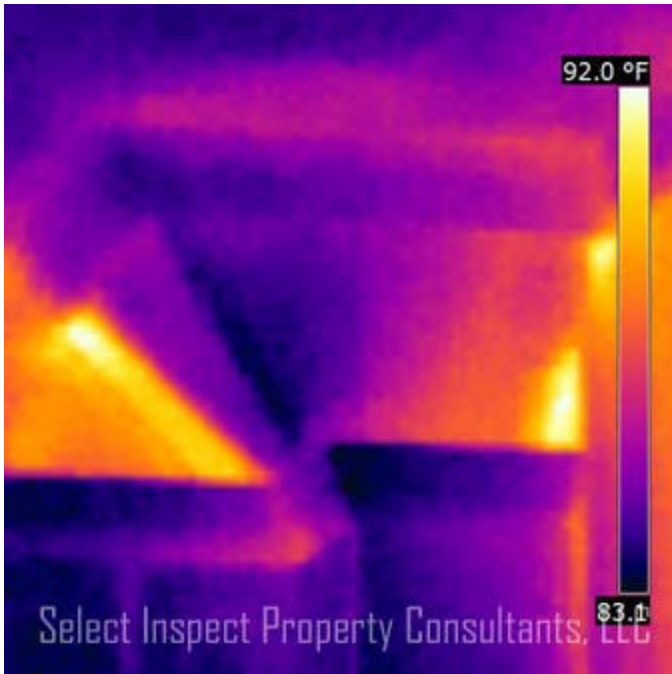
↑ Thermal imaging implies energy loss at gameroom; insulation deficiency confirmed in attic adjacent the air duct



↑ Thermal imaging implies energy loss at gameroom wall

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↑



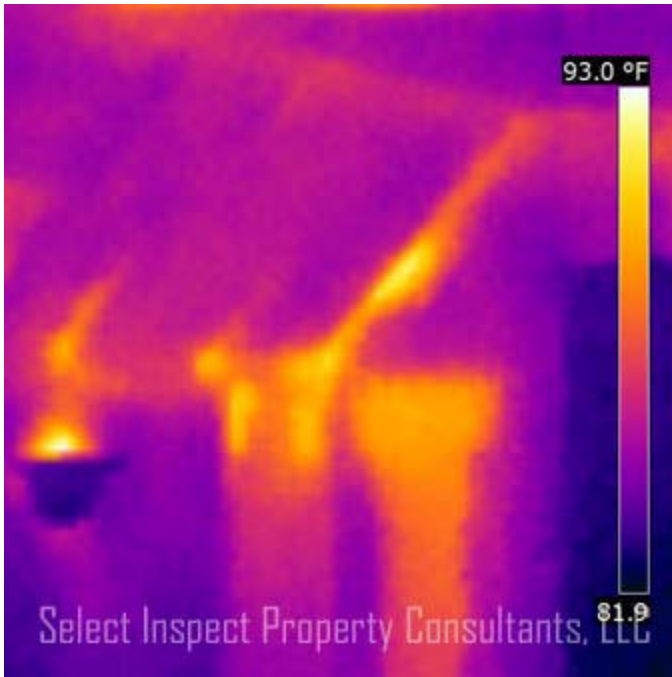
↑ Thermal imaging implies energy loss at the upstairs bar



↑ Thermal imaging implies energy loss at the media room; deficient insulation suspected; storage obstructed this side of the room via the attic

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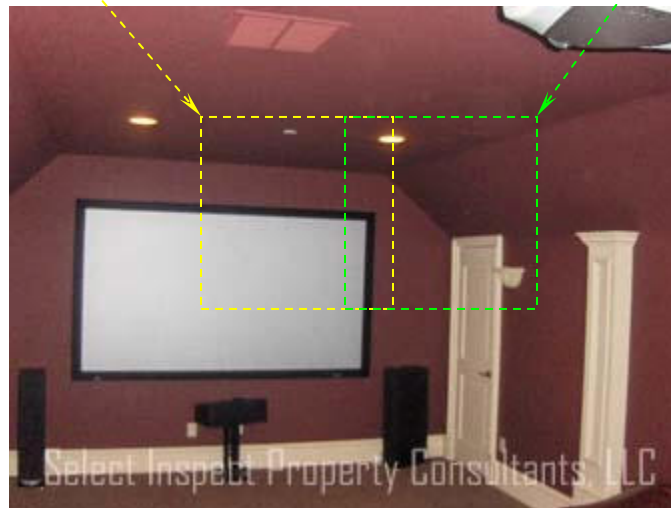
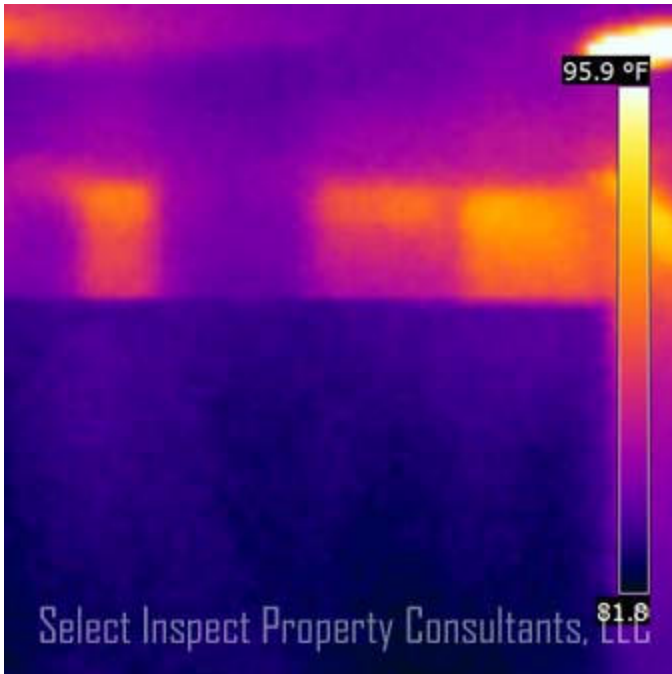
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↑ Thermal imaging implies energy loss at the media room; deficient insulation suspected; storage obstructed this side of the room via the attic

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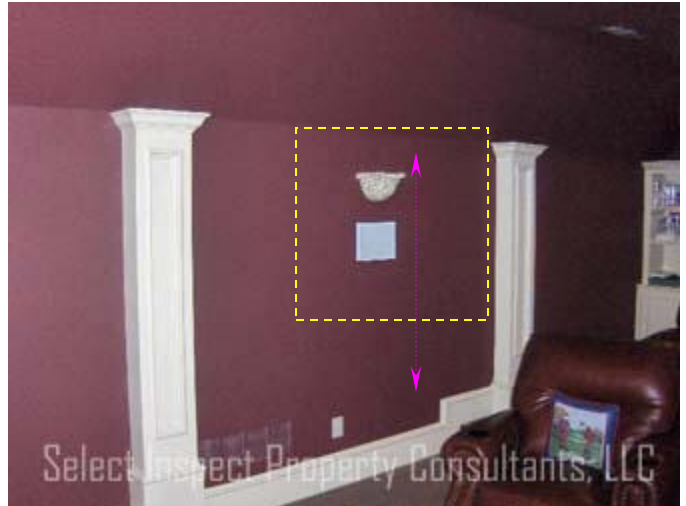
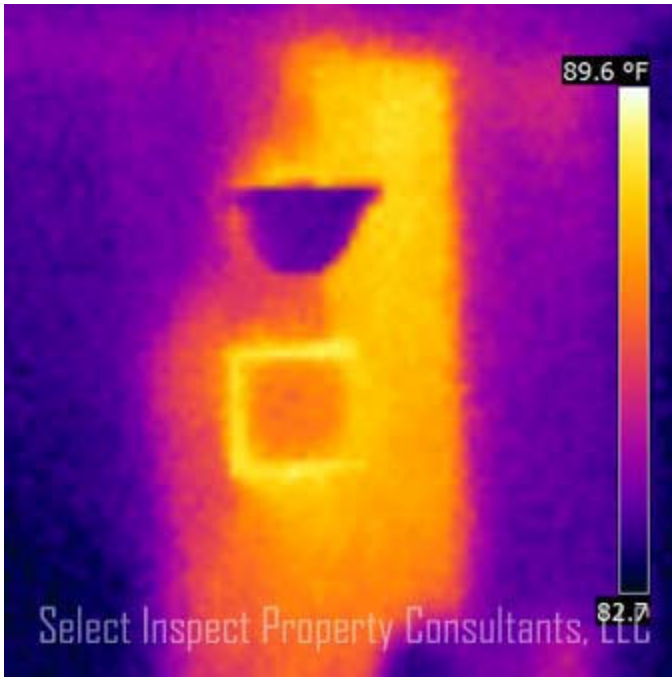
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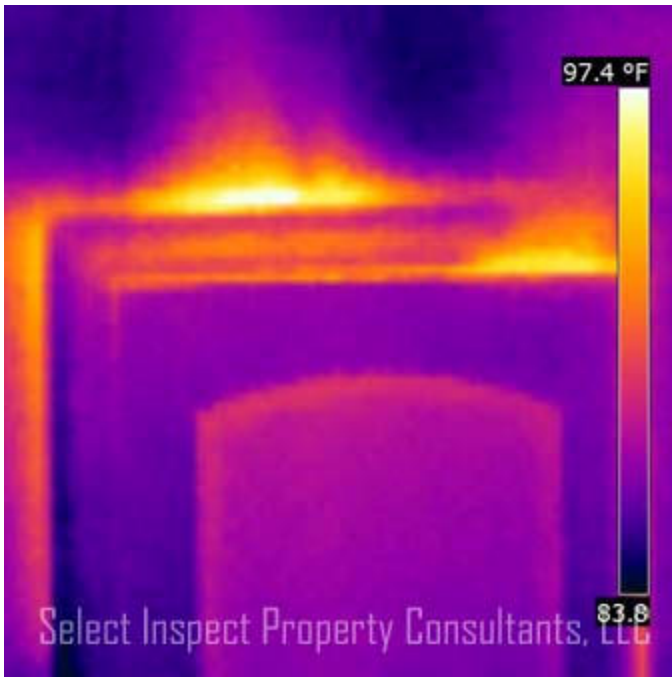
↑ Thermal imaging implies energy loss at the media room;
deficient insulation confirmed

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↑ Thermal imaging implies energy loss at media room; insulation deficiency confirmed



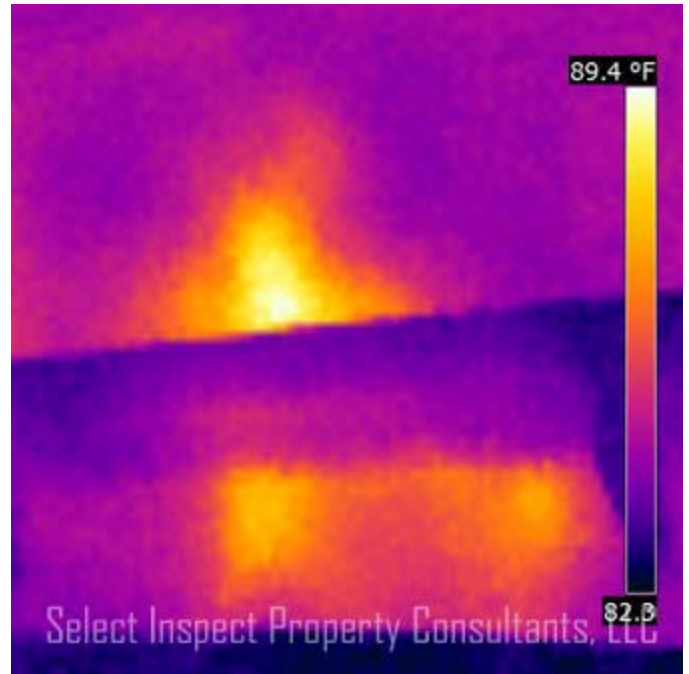
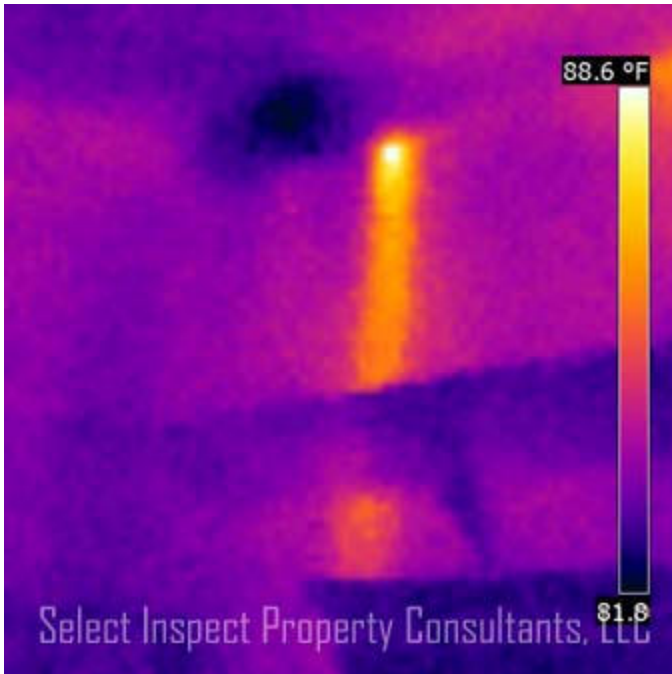
↑ Thermal imaging implies energy loss at media room walk-in attic



↑ deficient insulation confirmed at walk-in attic door perimeter

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↑ Thermal imaging implies energy loss at the east bedroom