

## President's Message

We've all heard the phrase, "A chain is only as strong as its weakest link." When it comes to thermography, the weakest link is frequently not the test equipment but rather the thermographer. While thermography is a science, it is also a craft requiring a skilled operator for both conducting the inspection and interpreting the data obtained.

In order to achieve maximum effectiveness, thermographers need to have training in infrared theory, heat transfer concepts, equipment capabilities and limitations, and environmental conditions, as well being knowledgeable about the system(s) being inspected. This training should be a continuing process.

Several members of our staff recently attended the IR/INFO 2015 Conference, where they were able to network and share ideas with the world's leading thermographers. Two members of our staff, Robert Richardson and Jon Scheuerer, were honored as presenters during the conference. Jersey Infrared Consultants is committed to make the best and most up-to-date training available to our personnel.



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## Standards that Apply to Infrared Surveys

Infrared Thermography is a commonly accepted technology for use in PdM, condition monitoring, research and development, and forensics. Standards that apply to infrared thermography cover training of personnel, equipment, safety, and finally, procedures.

Below is a list of organizations that publish Standards that apply to infrared thermography.

- American Society for Nondestructive Testing (ASNT)
- American Society for Testing and Materials (ASTM)
- Infraspection Institute
- InterNational Electrical Testing Association (NETA)
- National Fire Protection Association (NFPA)
- Occupational Safety and Health Administration (OSHA)

Jersey Infrared Consultants meet or exceed current industry standards, including those covering training, equipment, and survey methods. Ask us for a list of the Standards that apply to your project.

[More Information](#)

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## Infrared Surveys Provide Documentation of Storm Damage

Infrared thermography is a powerful tool for documenting damage associated with recent Winter Storms. An Infrared Survey conducted by Jersey Infrared Consultants can find water damage within a wide variety of structures and systems. Infrared Surveys can also provide documentation necessary for insurance claims. Common applications and benefits include the following:

- Flat Roofs – detect wet insulation due to storm damage
- Building Interiors – document extent of moisture damage in carpets, drywall, and ceiling tiles
- Building Sidewalls – determine extent of latent moisture
- Outdoor Electrical Equipment – locate damage caused by ice and wind

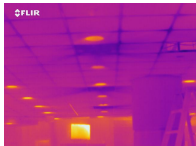


Our written reports provide the documentation needed for insurance claims and for directing repair crews to areas needing attention.

### [More Information](#)

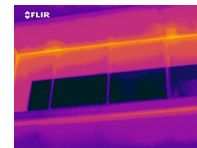
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## IR Building Envelope Surveys – Interior vs Exterior



Two types of energy loss can occur within a building envelope. The first type of loss is conduction. Conduction losses are most often due to missing/damaged or water-saturated insulation within the building wall and/or roof. Under proper weather and site conditions, our Infrared Building Envelope Surveys can detect and document evidence of energy loss or latent moisture within building sidewalls including EIFS clad structures.

The second type of energy loss is air leakage. Air infiltration/exfiltration can occur at numerous locations within a building envelope through seemingly insignificant cracks and uncaulked openings. Air infiltration can be detected when Surveys are performed from the building interior; exfiltration may be detected from the exterior of the building.



### [More Information](#)