

INFRARED INSPECTION SERVICES



Cost effective, efficient and technically competent...

Testing Engineers & Consultants (TEC) can assist you with building envelope, electrical system, and water intrusion concerns utilizing non-destructive infrared thermography. Infrared thermography is a means of identifying heat energy. An infrared camera is used to detect energy and measure temperature. Varying temperatures are detected and produce a colorized image.

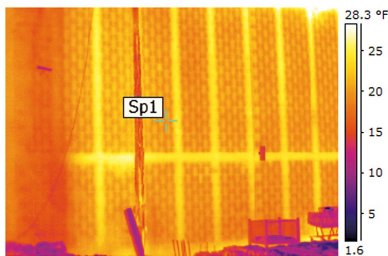
The possibilities are endless with infrared thermography. This technology has become extremely helpful in the building industry. Using infrared inspection services can save the developer literally thousand of dollars in downtime during construction as well as money spent on costly and needless renovation/restoration work by the building owner.

A team of trained and experienced technicians, utilizing the latest technology, will inspect your building to determine if you have a breach, moisture or elevated temperatures in the electrical system.

Specifically, TEC can assist you in the following areas:

Masonry Wall Construction (QC)

During construction, masonry is often limited to periodic inspection. In order to assure that mortar and grout are properly placed, an infrared scan can



detect the presence of discontinuity or voids that could compromise the structural integrity of the wall system.

Roof Surveys

Infrared inspection services can detect temperature differences created by saturated insulation or breaches in the roof assembly. By identifying the problem areas, we can save the

Engineering Client Success

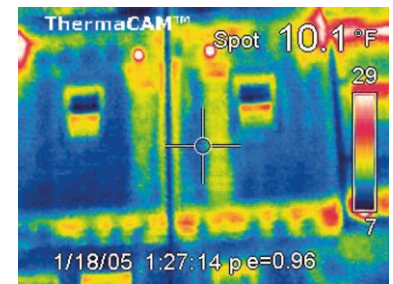
building owner the time and money of replacing the entire roof system.

Electrical Systems Inspections

Prior to service interruption or system damage, TEC can locate elevated temperatures in electrical components utilizing infrared. Conducting these surveys annually can detect a loose connection, bad fuse, uneven loads, etc., can improve safety and avoid costly outages.

Heat Loss

With utility bills on the rise, loss of heat from a building can be costly. Infrared can detect breaches around doors, windows, wall seams, etc., to avoid frozen pipes, minimize occupant complaints, and identify costly heat loss.



Water Intrusion

Mold and mildew can result from a water intrusion event if drying is not performed in a timely and comprehensive manner. Detection of all areas of hidden moisture is essential to proper structural drying. With the infrared camera, TEC technicians can survey the interior of a building and detect water behind dry wall, around windows, roofing, flooring, etc. Years of experience in structure drying, top industry certifications and the latest infrared imaging equipment, make TEC the choice to manage your next emergency.

Once the building problem has been identified, TEC can also assist with:

- Sampling and Analysis
- Remediation Protocols
- Litigation Support
- Emergency Response

Testing Engineers & Consultants, Inc. • 1343 Rochester Road • PO Box 249 • Troy, Michigan 48099-0249
248.588.6200 or 313.TESTING • Fax: 248.588.6232 • email: tec@tectest.com

Branch Offices in Ann Arbor • Detroit • www.testingengineers.com