

ROOF MOISTURE INFILTRATION INFRARED INSPECTION REPORT

for

The Any Company
123 Any Street
Chicago, IL

July 01, 2012

Job Number: 1111R-12

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Certification of inspection authenticity and completeness, signed by certified thermographer.

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IV - Thermographic Documentation & Analysis

Presents photo documentation, description and commentary of the roof moisture infiltration inspection for selective areas of the building.

I - INTRODUCTION

INFRARED INSPECTIONS, INC. was contracted by The Any Company Inc., 123 Any Street, Chicago, IL to perform an infrared roof moisture infiltration survey. This night time inspection was performed on July 01, 2012.

The purpose of this inspection was to identify areas of moisture infiltration in the roof systems insulation. This would be indicated by the presence of thermal roof surface differences.

The infrared device used to perform the inspection is a sophisticated electronic camera that “sees” the heat emitted from your building roof and wall surfaces. The pictures produced by this camera are called thermograms, and they are essentially multi-colored or black/white “temperature maps” of your building’s roof.

The infrared thermographer who performed your inspection used this special camera to look for potential problem areas in your building. These areas could cause energy loss, water infiltration and premature deterioration.

Section IV contains thermographic photo documentation and commentary for selected areas of the building’s roof system.

This inspection and report has been performed and prepared under the direction of an Infrared Inspections thermographer who is certified by the Infrasppection Institute. This report fully meets the Infrasppection Institute’s “Guidelines for Infrared Inspection of a built up roof system”.

Infrared Inspections, Inc. is an independent thermal imaging inspection firm. We provide unbiased inspection services and analysis, which can help make your building’s roof system more energy efficient and prevent costly premature deterioration.

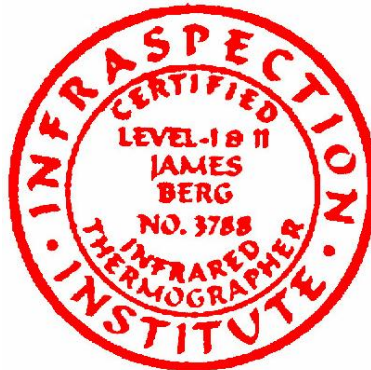
II - CERTIFICATION

I hereby warrant that the inspection, which is the subject of this report, was conducted personally by me or by a thoroughly qualified assistant under my direction. I further warrant that this report has been prepared under my personal guidance and has been found by me to be totally accurate and complete to the best of my ability as a certified thermographer.



Certified Thermographer, Level I and II
Infraspection Institute Certificate No.

3788



III - INFRARED EVALUATION PROCEDURE & SUMMARY

All components of a building emit infrared radiation, heat or cold that is not visible to the naked eye. The Inframetrics ThermalCam infrared scanner, which was used, for this inspection senses this infrared radiation and electronically displays a visual image of the thermal patterns.

Infrared Inspections, Inc. thermographer can view these thermal roof differences and help identify areas of moisture infiltration in the building's roof system.

The infrared inspection for detection of roof moisture is based on these thermal differences that exist at certain times between dry roof insulation and insulation that has been infiltrated by water.

On a typical sunny day, the built up roof system conducts heat, which is absorbed by wet insulation and resisted by dry insulation. At night, the dry insulated roof areas will cool off quickly while the wet insulated roof areas will retain their absorbed heat much longer.

These thermal roof differences may show areas of wet insulation being warmer than dry areas. These areas can then be marked with spray paint directly on the roof during the night time infrared inspection

Summary: The infrared inspection showed thermal uniformity on a portion of the contracted roof(s) see photo page(s) 04, 05, 06, 08, 09 and 10 which would indicate that the roof insulation is probably dry within these roof area(s).

The infrared inspection also showed thermal anomalies on a portion of the contracted roof(s) see photo page(s) 01, 02, 03 and 07 which would indicate that the roof insulation in these areas is probably wet to varying percentages within these roof area(s).

IV- PHOTOGRAPHIC DOCUMENTATION & ANALYSIS

PLEASE NOTE:

The “Photographic Documentation & Analysis” page(s) are arranged beginning with any apparent temperature differences and/or concern(s).

If included, “Photographic Documentation & Analysis” page(s) showing no significant thermal differences and/or concern(s) will follow all photo documentation analysis page(s) that have concern(s). These included photographic documentation page(s) that document no significant thermal differences may be used for future thermal comparisons and/or quality assurance.

The infrared device used to perform the inspection is a thermal imaging camera that “sees” the heat emitted from your building roof and/or wall surfaces. The pictures produced by this camera are called color thermograms and are “temperature maps” of your building.

The infrared certified thermographer who performed your inspection uses this thermal camera to look for potential problem areas in your building. These areas could cause energy loss, water infiltration and premature deterioration.

We recommend that you have this predictive thermal infrared inspection performed on a regular basis.



Dear Customer,

Thank you for selecting Infrared Inspections, Inc. to perform the thermal roof moisture infiltration inspection at your facility. This full CD report details the results of this thermal inspection.

If there are any questions regarding the report, or if there is anything else we can do to be of service to you, please call us at 708-865-7700.

We wish to thank you and your staff for the cooperation and assistance provided to us during the inspection. Your business is very important to us, and we look forward to serving you again in the future.

Sincerely,

A handwritten signature in red ink that reads "James Berg". The signature is written in a cursive, flowing style.

James Berg
President and Certified Thermographer