



Infrared Inspection Report

for

Test Cust

Austin, Texas 78732

at

Sample Roof
555 Mockingbird Lane
Austin, Texas 78758

Foreword

This infrared inspection report provides documentation of thermal patterns detected in your roofing system. It incorporates a subjective evaluation to aid in prioritizing repairs.

This report meets the documentation requirements of the *Infraspection Institute Standard for Infrared Inspection of Insulated Roofs*, as well as standards and specifications published by other recognized standards organizations.

How Infrared Thermography Works

Infrared imagers are camera-like devices capable of detecting, displaying, and recording thermal patterns across the surface of an object. In black/white thermograms, white is hot and black is cold unless stated otherwise. When thermograms are in color, colors in the scene are matched to the reference bar. Colors appearing closer to the top or right of the reference bar indicate higher temperatures. Colors appearing closer to the bottom or left of the reference bar indicate lower temperatures. Some thermal imagers are also capable of providing temperature values for imaged objects.

Repair Priority Ratings

Each thermogram in this report is given a Repair Priority Rating that is based upon the qualified assistant's opinion of how critical the subject item is to facility operation. Unless stated otherwise, a Priority Rating of 1 indicates the highest priority while a Priority Rating of 3 indicates the lowest priority.

Regardless of Priority Rating, each exception noted in this report should be investigated for cause and corrected as soon as possible.

Customer Name: Test Cust

Job Name: Sample Roof

Job Number: TEST0002

Report Summary

Report Date: 03/29/2024
Job Number: TEST0002
Type of Inspection: Roof Moisture
Purpose of Inspection: Condition Assessment
Date of Inspection: 03/28/2024
End User: David Gierke
Project Location: Sample Roof
555 Mockingbird Lane
Austin, Texas 78758
Thermographer: Gierke, David
Certification Number: 16917
Certification Level: 1
Qualified Assistant(s): Alonsio Carrizales

Equipment Used:

of Image Pages: 10

Comments: The thermographic inspection of this flat TPO roof was conducted under favorable conditions. There were several major thermographic anomalies detected along with confirmed moisture. To address these issues, we recommend a professional evaluation be conducted by a licensed roofing professional. Not addressing these issues could result in additional damage. Extent of possible damages would need to be determined by a licensed roofing professional.

Weather History:

03/28/2024	Day Skies: Clear	Night Skies: Clear
	Day Highs: 78	Night Lows: 44
	Last Precipitation: 03/27/2024	

Customer Name: Test Cust

Job Name: Sample Roof

Job Number: TEST0002

Roof Data Sheet

Location: 555 Mockingbird Lane, Main Roof

Roof Construction: Reported

Deck: Corrugated Metal

Vapor Retarder: Yes

Insulation: Other

Membrane: TPO

Flood Coat: N/A

Aggregate: No

General Roof Data:

Age: Unknown

Condition of Membrane: Poor

Patched Areas: Several varying in size

Blistered Areas: Couple small in size

Drainage Condition: Poor

Roof Surface Condition: Puddles in areas

Debris Present: N/A

Roof Size: 1994.00 sq ft. (approx)

Number of Wet Areas: 10

Total Area Moisture Damage: 300 sq ft.

Percentage Moisture Damage: 15.0%

Reported Leaks: Unknown

When do Leaks Occur: Unknown

How Long do Leaks Last: Unknown

Customer Name: Test Cust

Job Name: Sample Roof

Job Number: TEST0002

Summary of Images

Picture	Location	Priority
1	Main Roof	5
2	Main Roof	3
3	Main Roof	2
4	Main Roof	3
5	Main Roof	1
6	Main Roof	1
7	Main Roof	1
8	Main Roof	1
9	Aerial View 150 AGL	1
10	Drone View	1
11	Roof	1

Area/Image No. 1

Date 03/28/2024

Location Main Roof

Ambient Temp 73.00 °F

Wind Speed 9 mph

Damage Type N/A

Job No. TEST0002

Time 07:45 pm

Sky Clear

From Southeast

Imager Lens 1x

Distance 10

Subj. Priority 5

Area Description

Overall Size:

Previously Patched: N/A

Blisters Present: N/A

Moisture Test Results

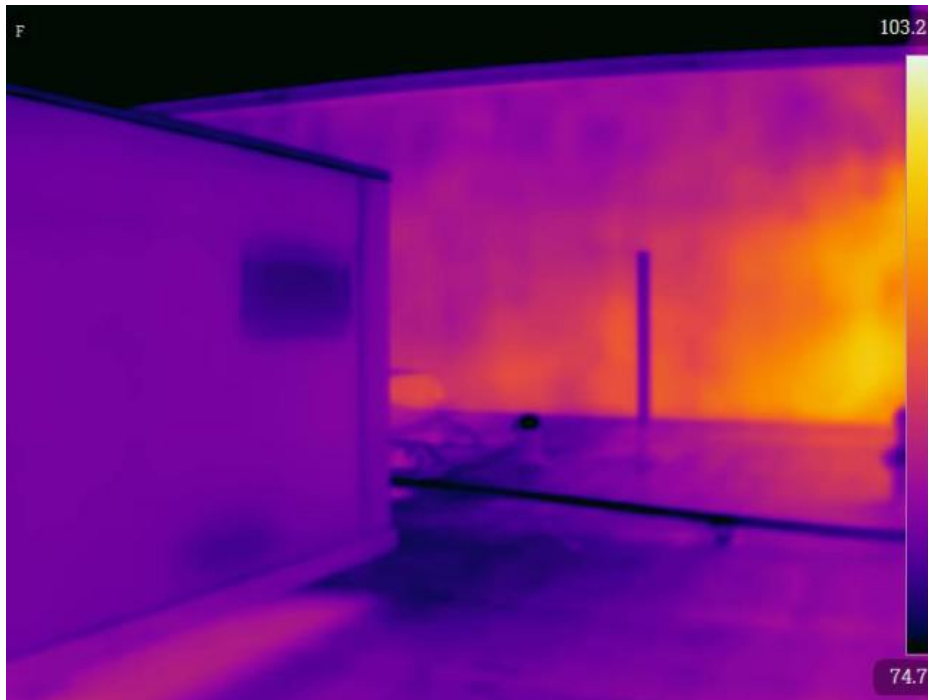
Moisture Probe: N/A

Core Sample: N/A

Other: N/A

Comments:

Wide Angle Shot of Roof



Area/Image No. 2

Date 03/28/2024

Location Main Roof

Ambient Temp 73.00 °F

Wind Speed 9 mph

Damage Type Moisture Suspect

Job No. TEST0002

Time 07:45 pm

Sky Clear

From Southwest

Imager Lens 1x

Distance 10

Subj. Priority 3

Area Description

Overall Size: 4

Previously Patched: No

Blisters Present: No

Moisture Test Results

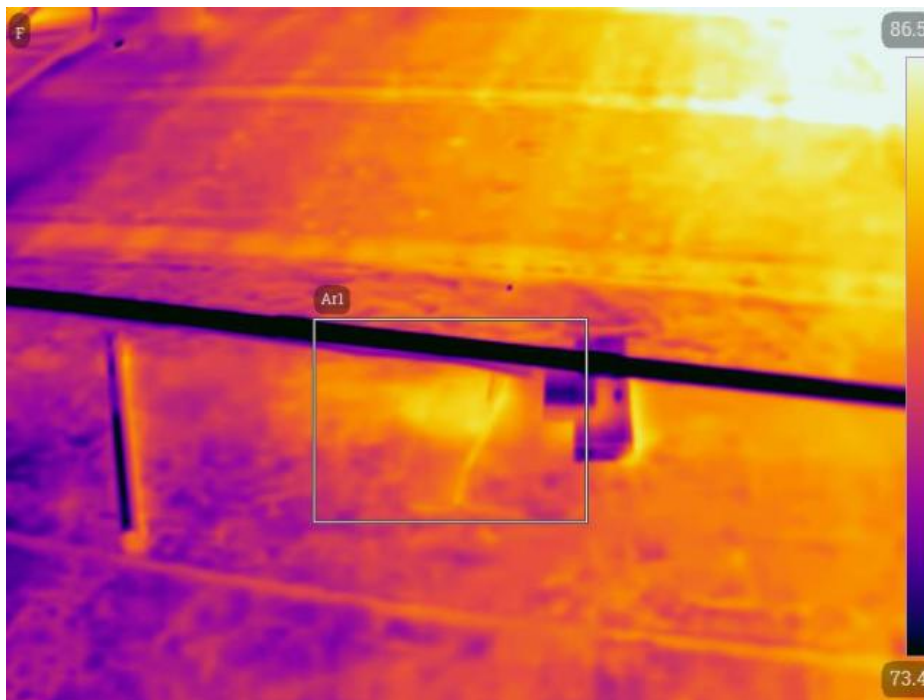
Moisture Probe: Negative

Core Sample: N/A

Other: N/A

Comments:

Thermal Anomaly: Possible Moisture



Area/Image No. 3

Date 03/28/2024

Location Main Roof

Ambient Temp 73.00 °F

Wind Speed 9 mph

Damage Type N/A

Job No. TEST0002

Time 07:50 pm

Sky Clear

From Southeast

Imager Lens 1x

Distance 6

Subj. Priority 2

Area Description

Overall Size: 6

Previously Patched: No

Blisters Present: No

Moisture Test Results

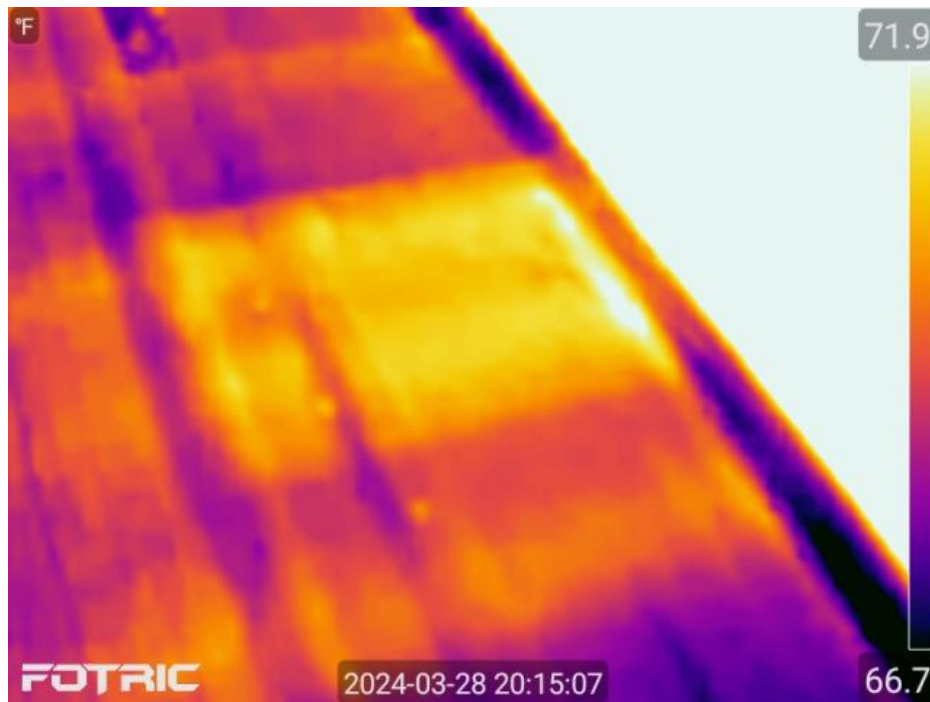
Moisture Probe: Negative

Core Sample: N/A

Other: N/A

Comments:

Thermal Anomaly: Possible Moisture



Area/Image No. 4

Job No. TEST0002

Date 03/28/2024

Time 07:55 pm

Location Main Roof

Ambient Temp 73.00 °F

Sky Clear

Wind Speed 9 mph

From Southeast

Distance 5

Damage Type Moisture Suspect

Imager Lens 1x

Subj. Priority 3

Area Description

Overall Size: 6

Previously Patched: N/A

Blisters Present: N/A

Moisture Test Results

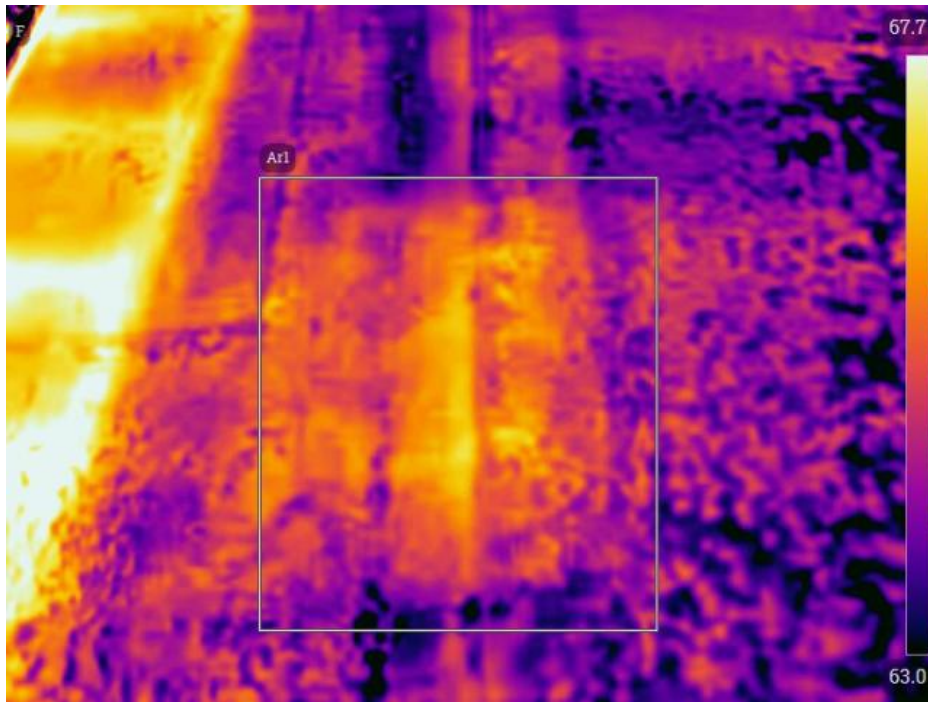
Moisture Probe: Negative

Core Sample: N/A

Other: N/A

Comments:

Thermal Anomaly: Possible Moisture



Area/Image No. 5

Date 03/28/2024

Location Main Roof

Ambient Temp 73.00 °F

Wind Speed 9 mph

Damage Type Moisture

Job No. TEST0002

Time 07:55 pm

Sky Clear

From Southeast

Imager Lens 1x

Distance 3

Subj. Priority 1

Area Description

Overall Size: 3.5

Previously Patched: N/A

Blisters Present: N/A

Moisture Test Results

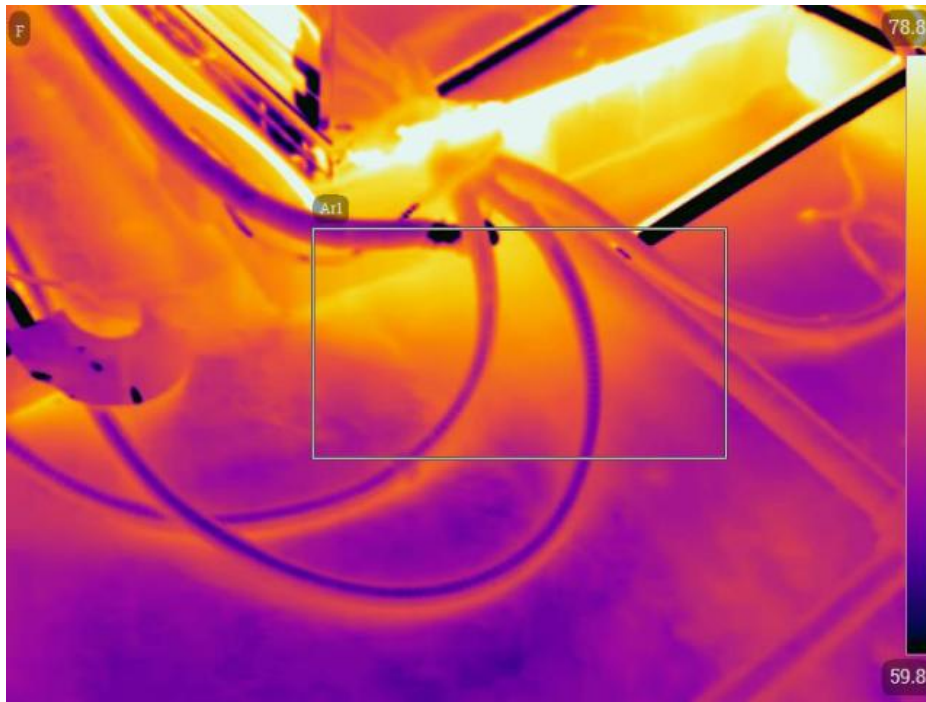
Moisture Probe: Positive

Core Sample: N/A

Other: N/A

Comments:

Thermal Anomaly: Confirmed Moisture



Area/Image No. 6

Date 03/28/2024

Location Main Roof

Ambient Temp 73.00 °F

Wind Speed 9 mph

Damage Type Moisture

Job No. TEST0002

Time 08:15 pm

Sky Clear

From Southeast

Imager Lens 1x

Distance 5

Subj. Priority 1

Area Description

Overall Size: 100

Previously Patched: Yes

Blisters Present: N/A

Moisture Test Results

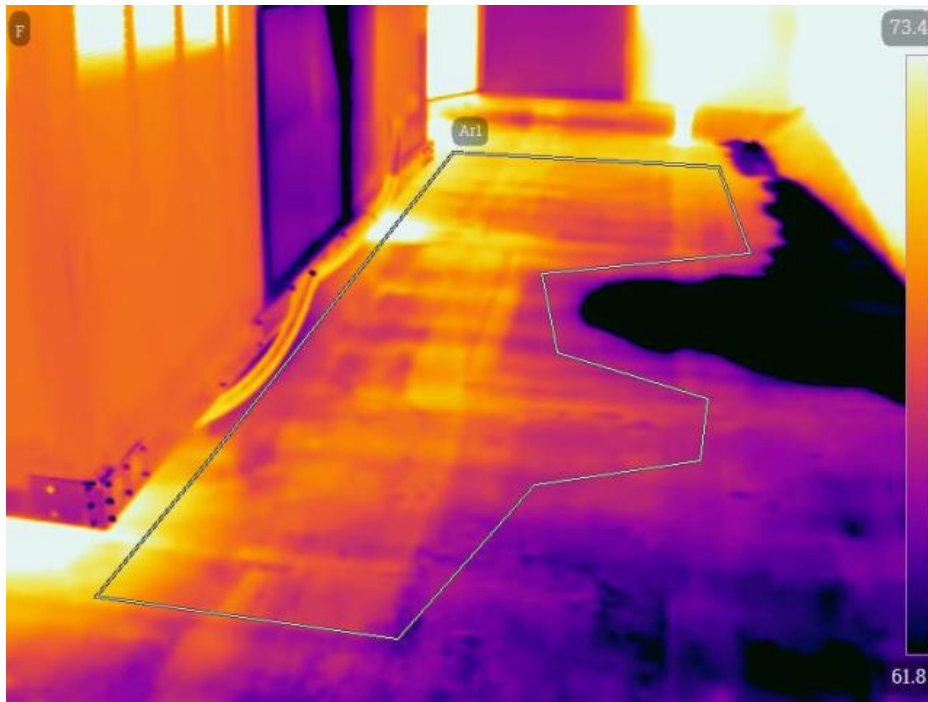
Moisture Probe: Positive

Core Sample: N/A

Other: N/A

Comments:

Thermal Anomaly: Confirmed Moisture



Area/Image No. 7

Date 03/28/2024

Location Main Roof

Ambient Temp 73.00 °F

Wind Speed 9 mph

Damage Type Moisture

Job No. TEST0002

Time 08:25 pm

Sky Clear

From Southwest

Imager Lens 1x

Distance 5

Subj. Priority 1

Area Description

Overall Size: 50

Previously Patched: Yes

Blisters Present: N/A

Moisture Test Results

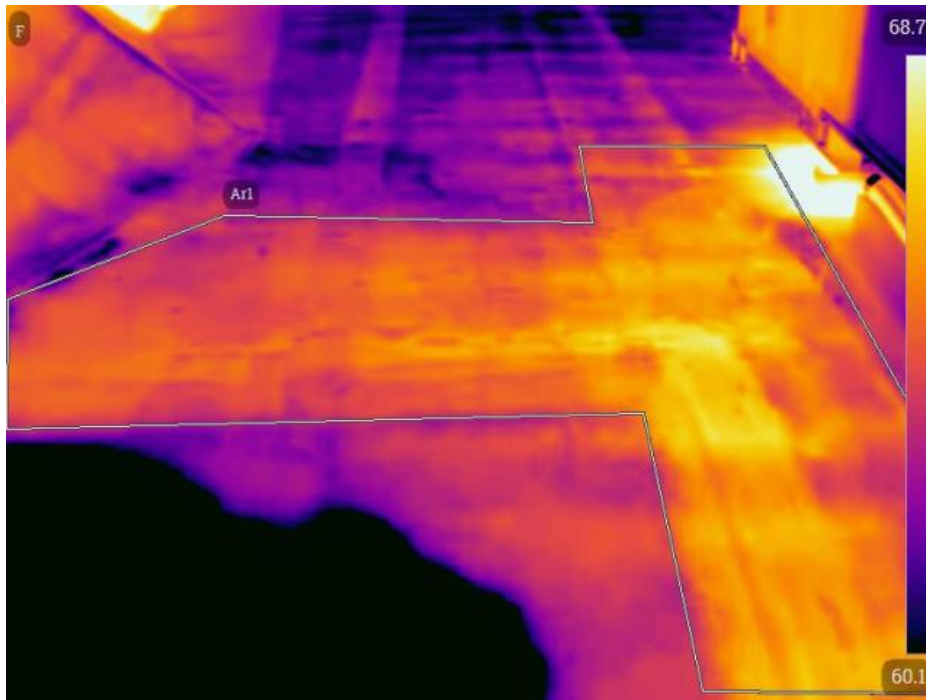
Moisture Probe: Positive

Core Sample: N/A

Other: N/A

Comments:

Thermal Anomaly: Confirmed Moisture



Area/Image No. 8

Date 03/28/2024

Location Main Roof

Ambient Temp 73.00 °F

Wind Speed 9 mph

Damage Type Moisture

Job No. TEST0002

Time 08:45 pm

Sky Clear

From Southeast

Imager Lens 1x

Distance 15

Subj. Priority 1

Area Description

Overall Size: 165

Previously Patched: Yes

Blisters Present: N/A

Moisture Test Results

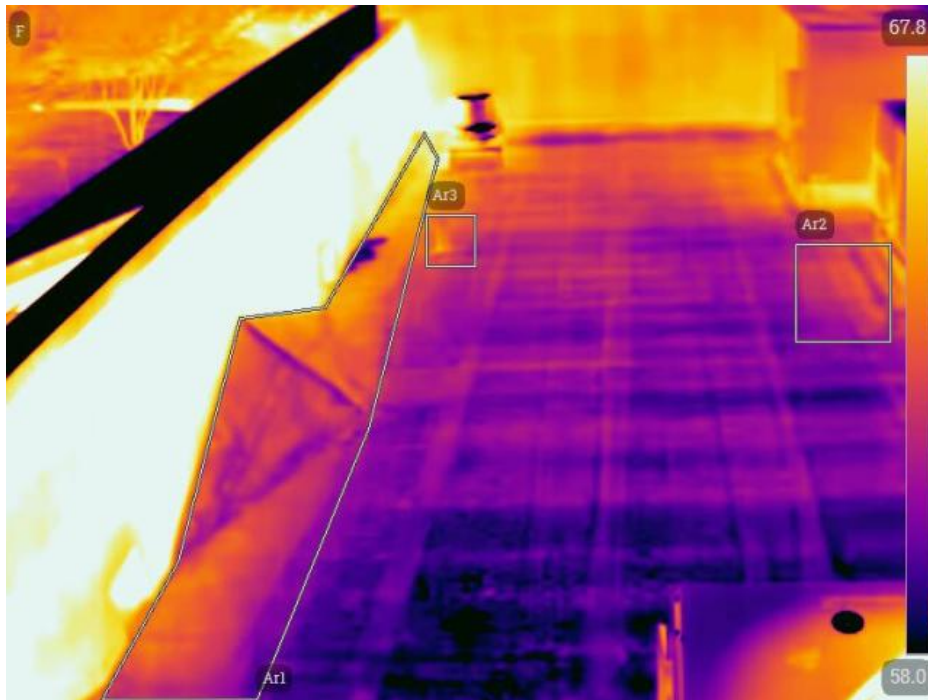
Moisture Probe: Positive

Core Sample: N/A

Other: N/A

Comments:

Thermal Anomaly: Confirmed Moisture



Area/Image No. 9

Date 05/27/2024

Location Aerial View 150 AGL

Ambient Temp 89.00 °F

Wind Speed 4 mph

Damage Type N/A

Job No. TEST0002

Time 08:45 pm

Sky Indoor

From Southwest

Imager Lens 1x

Distance 150

Subj. Priority 1

Area Description

Overall Size: 1265

Previously Patched: No

Blisters Present: Yes

Moisture Test Results

Moisture Probe: N/A

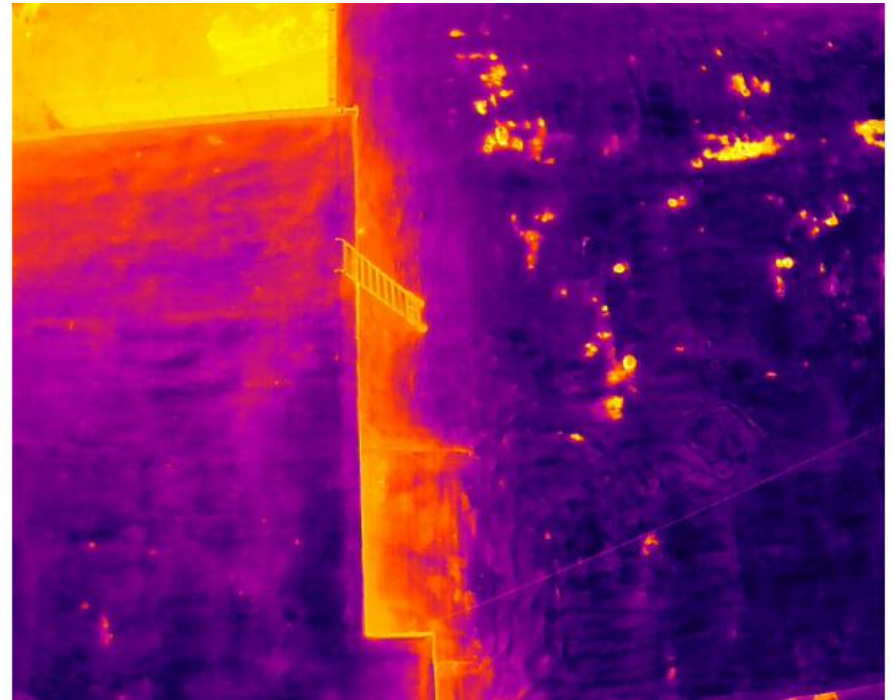
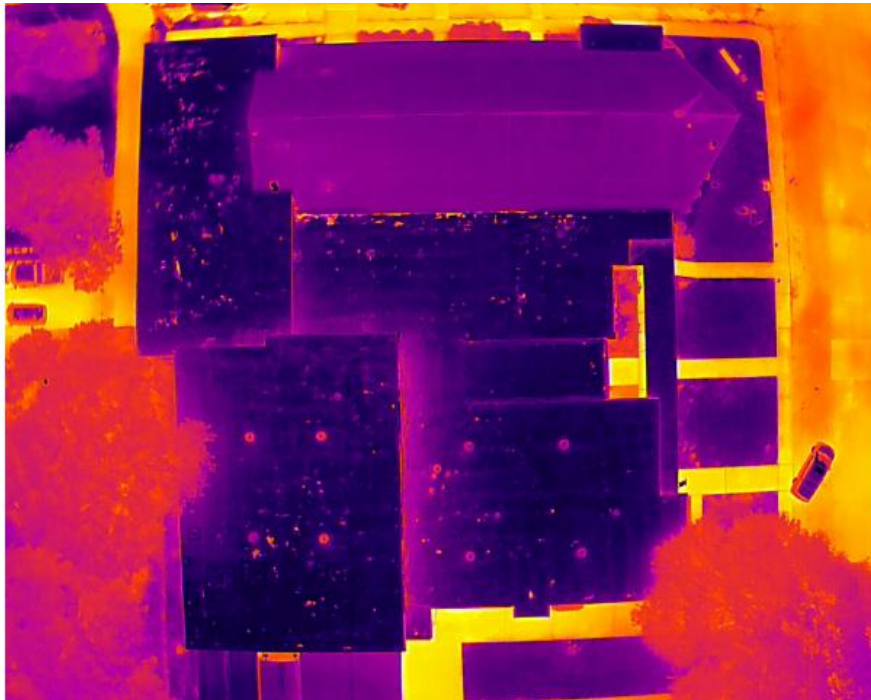
Core Sample: N/A

Other: N/A

Comments:

Drone shot showing possible moisture infiltration.

Recommend having a core sample performed by a licensed professional.



Area/Image No. 10

Date 05/27/2024

Location Drone View

Ambient Temp 78.00 °F

Wind Speed 4 mph

Damage Type N/A

Job No. TEST0002

Time 08:45 pm

Sky Indoor

From N/A

Imager Lens 1x

Distance 150

Subj. Priority 1

Area Description

Overall Size: 1500

Previously Patched: Yes

Blisters Present: No

Moisture Test Results

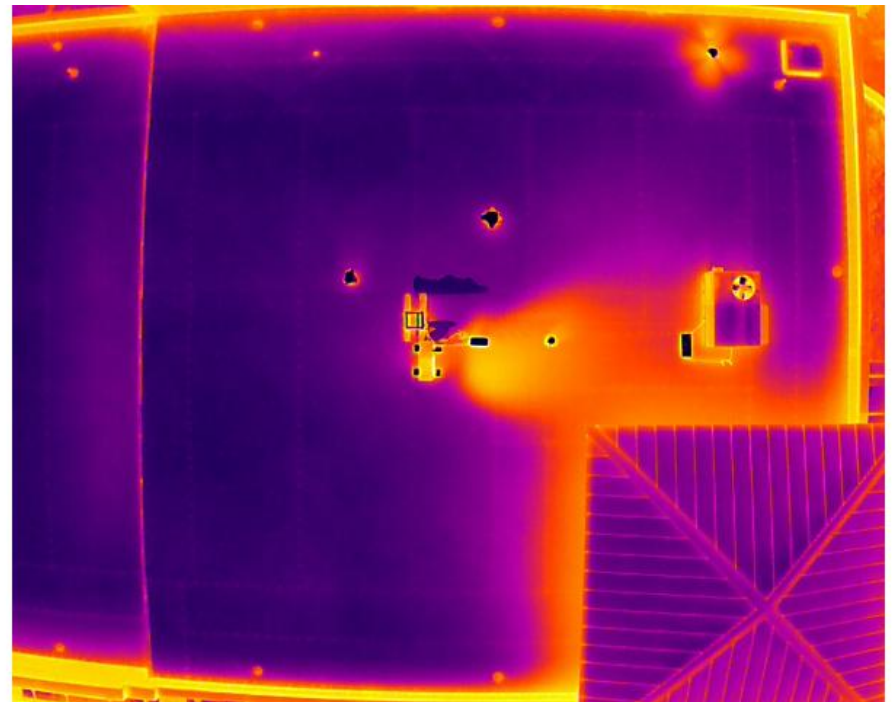
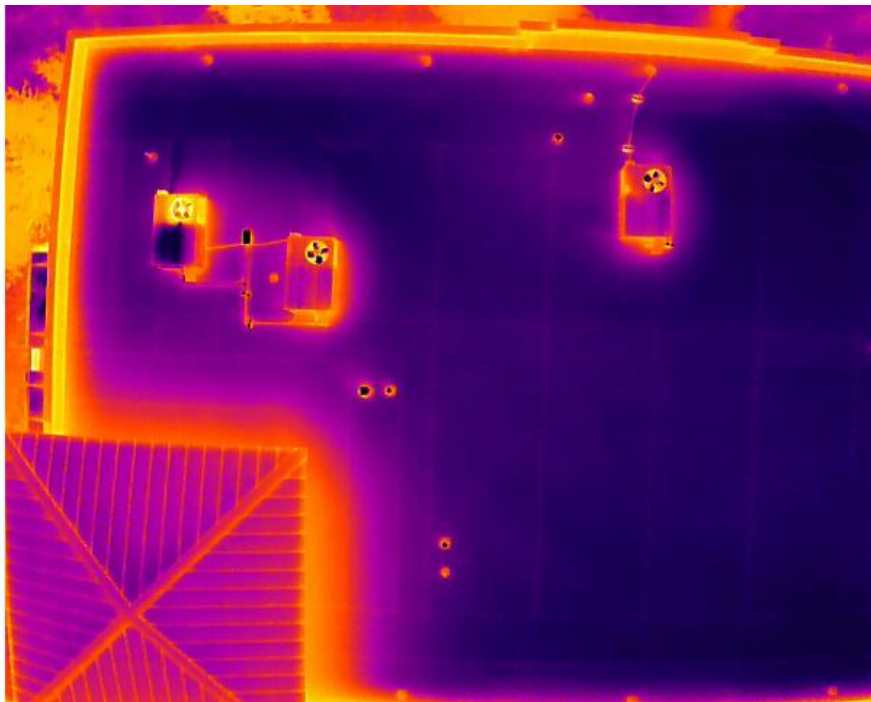
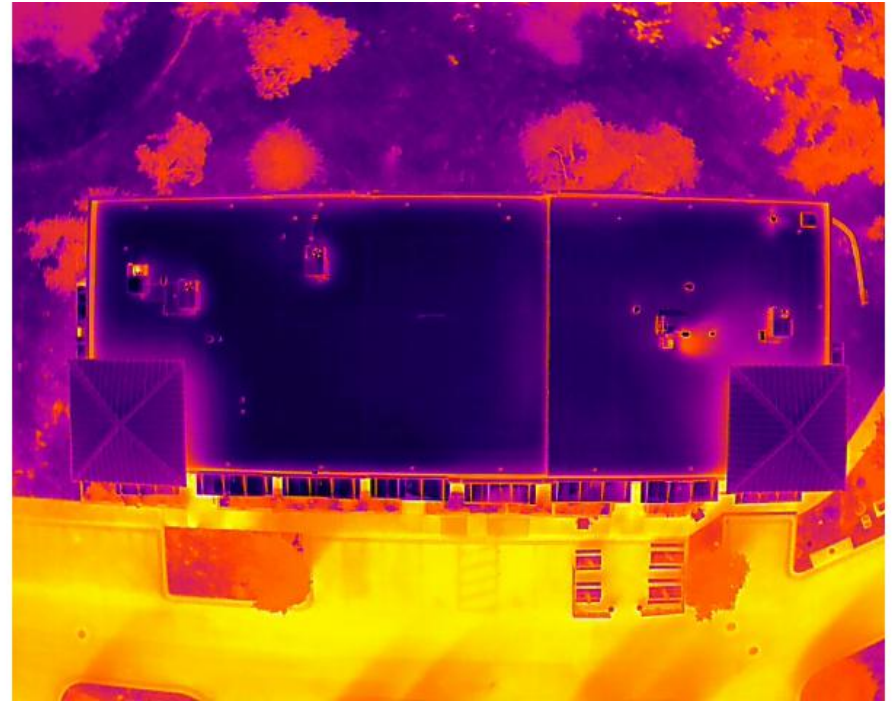
Moisture Probe: N/A

Core Sample: N/A

Other: N/A

Comments:

Aerial View



Area/Image No. 11

Date 06/19/2024

Location Roof

Ambient Temp 82.00 °F

Wind Speed 12 mph

Damage Type Moisture Suspect

Job No. TEST0002

Time 09:00 pm

Sky Clear

From Northeast

Imager Lens 1x

Distance 300

Subj. Priority 1

Area Description

Overall Size: 300

Previously Patched: Yes

Blisters Present: Yes

Moisture Test Results

Moisture Probe: Positive

Core Sample: Positive

Other: Positive

Comments:

High Altitude View showing minor trapped moisture in the roof.

