

Strategic Roofing Solutions, LLC

9702 Galveston Road
Houston, TX 77034
Phone: (832) 243-1413



TO:

[REDACTED]
[REDACTED]
[REDACTED]

06/21/2022

Roof Water Testing Results

JOB: WO #50088

ADDRESS: [REDACTED]

Strategic Roofing Solutions proposes to do the following work:

We performed an extensive water test broken out over various sections on the entire roof area as outlined on the diagram page on June 7th, 8th and 9th. We dammed each section to isolate the water and let water sit at a minimum of 2" deep for a minimum of 2 hours per section. During the testing, we made it leak at 2 locations.

1st location was on the flat roof at section 5. There is a previous repair that was made by others and they used the wrong materials causing the repair to pull loose and has openings in the repair. This repair needs to be fully removed and a new repair needs to be installed using the same materials as the roof system. To make this permanent repair, it will be a not-to-exceed cost of \$1,750.00 (based on time and materials).

2nd location was at skylight set #2. Within 2 minutes of water on the skylight, it started leaking. We also found that long after the water testing stopped, it continued to leak which means water is getting into the skylight framing and traveling allowing the leak to continue until the water either evaporates or eventually makes its way out. Each window of the skylight system needs to be sealed with silicone sealant at glass to frame, frame to frame and all splice joinery. To make this permanent repair, it will be a not-to-exceed cost of \$1,585.00 (based on time and material).



Section 1

Section 3

Section 6

Section 8

Section 10

Section 2

Section 5

Section 7

Section 9

Active leak #2

Active leak #1

Planter #1

Planter #2

12 total sections to water test. The 1 planters should be water tested 1st. Then section 1 through 10.

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General view of the existing roof conditions



Performed water testing at planter #1-2 section



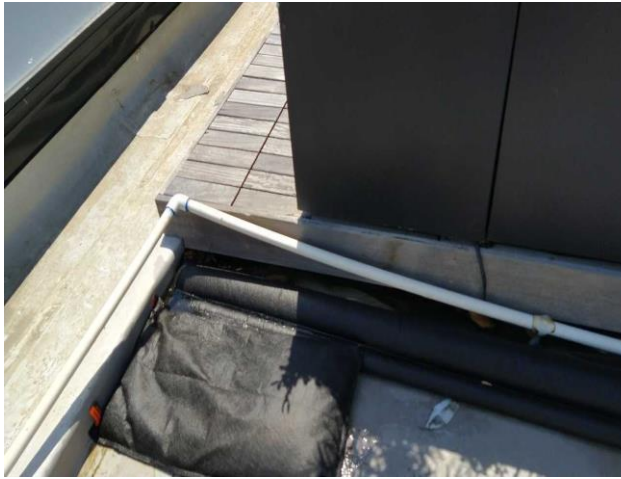
Performed water testing at section 6, 7, 8, 9 and 10 at only the wood plank locations where it butts up to the planters



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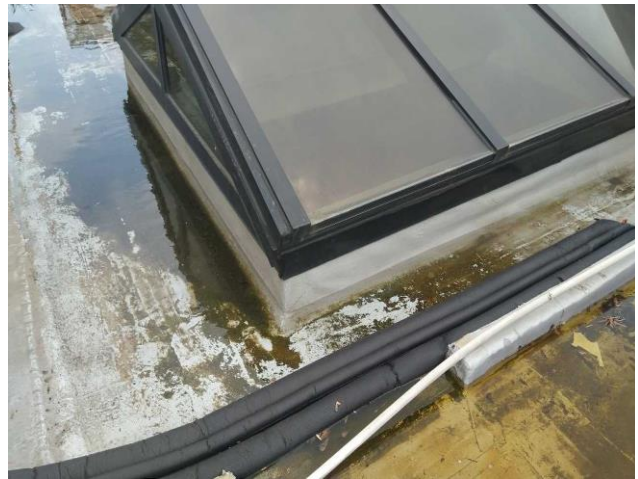
At each section, we dammed off the areas to isolate the standing water to each of the sections



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Each section that was water tested, we had a minimum of 2" of standing water on the roof over a period of time



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Water testing the planters



After all sections were water tested, we water tested each of the skylight systems

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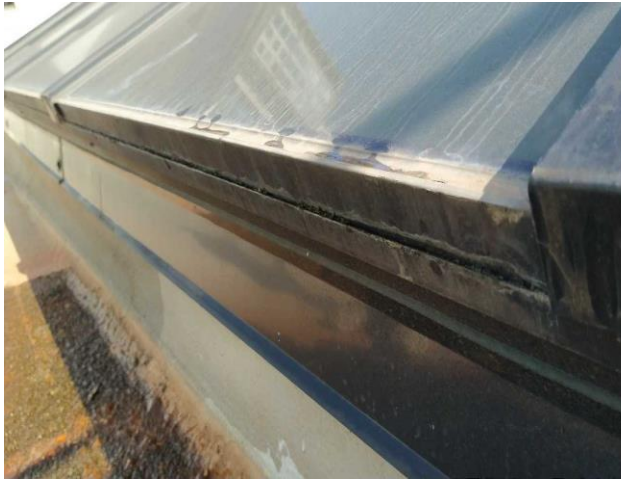
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Active leak location #2. After all sections were water tested, we water tested each of the skylight systems



Active leak location #2. After all sections were water tested, we water tested each of the skylight systems. We found missing sealants at various locations of the skylights



After all sections were water tested, we water tested each of the skylight systems



After all sections were water tested, we water tested each of the skylight systems

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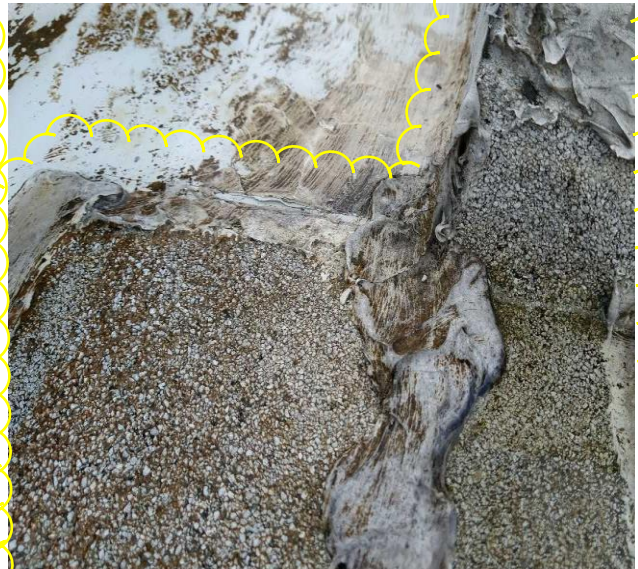


Active leak location #1

Modified patch is not compatible with the single ply roof system with coating



Active leak location #1



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Active leak location #1