

Case Study

Roof Installation in the Winter of 2018 in Atlanta, Georgia

Roof Doctors was selected to perform the work because of our experience in handling difficult projects. This building was currently occupied and required not only the roof to be removed but the light concrete deck and metal pan below exposing the interior of the building. The safety of our workers and damaged to the property were of the top most concern. Roof Doctors devised a plan to over lay the entire roof surface with the new metal decking and systematically remove and replace the roof 3ft at a time. The project was only 10,000 SQFT but took 3 months to complete. We are proud of how well this project went. Not one leak, or accident occurred through the duration of this project. The manufacture provided a perfect score upon inspection and the client now has a dependable roof.

Images of Construction Prep



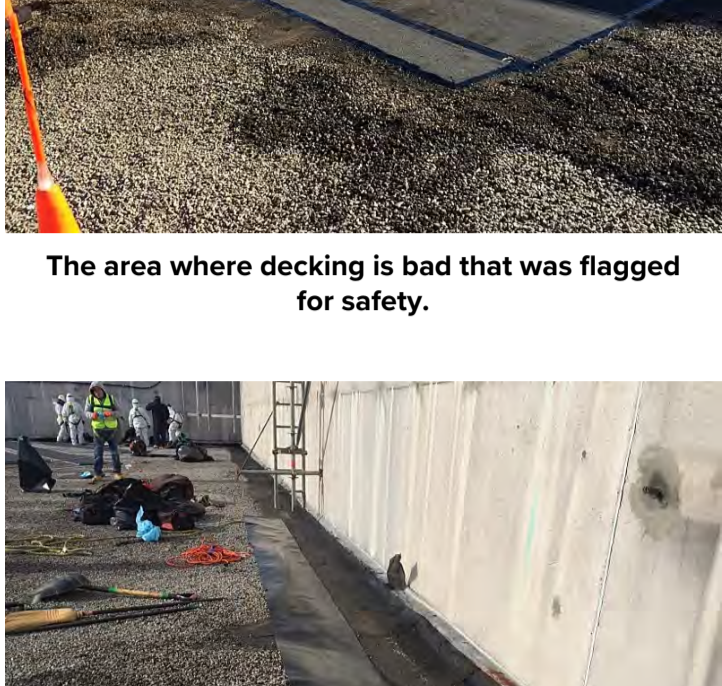
3" of snow on the roof right before the project started.



Before picture of the roof before the new roof installation.



Prepped around the walls to have ready for asbestos guys to remove wall flashing.



Cleaned around walls to get ready for asbestos guys to remove wall flashing.



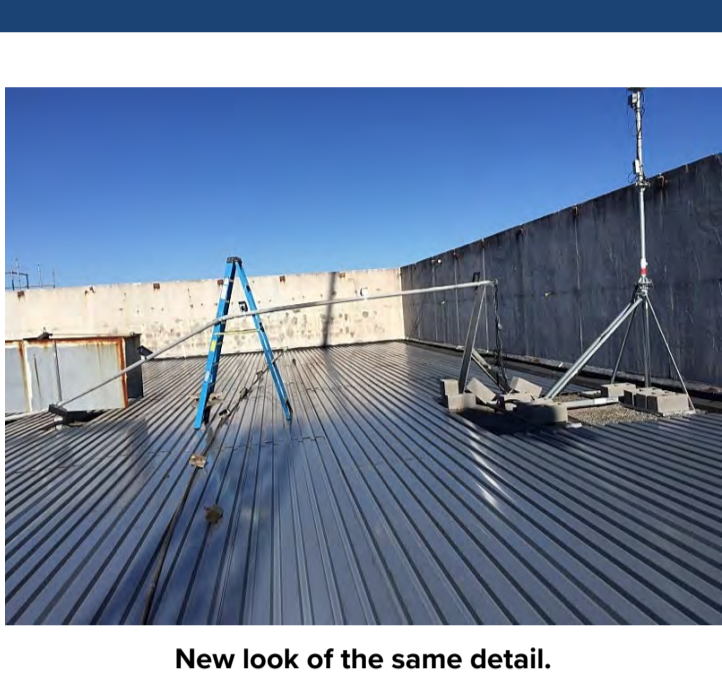
The existing roof deck has been indicated to be unsafe for foot traffic in this area.



The sign attachment was removed.



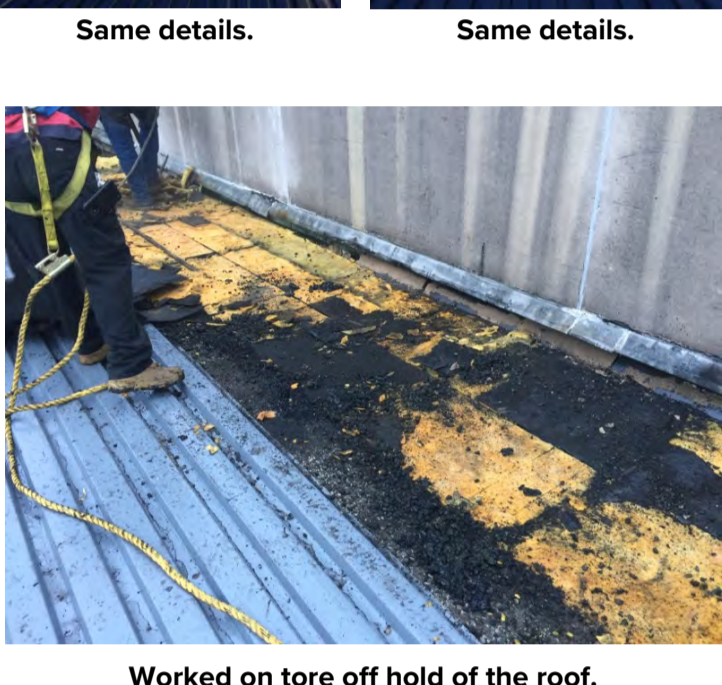
Proper storage of the new roof insulation.



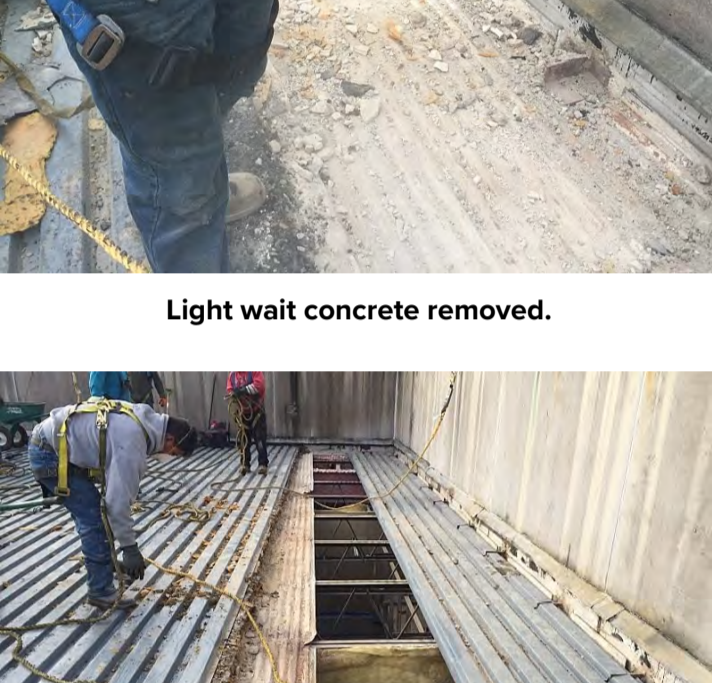
The area where decking is bad that was flagged for safety.



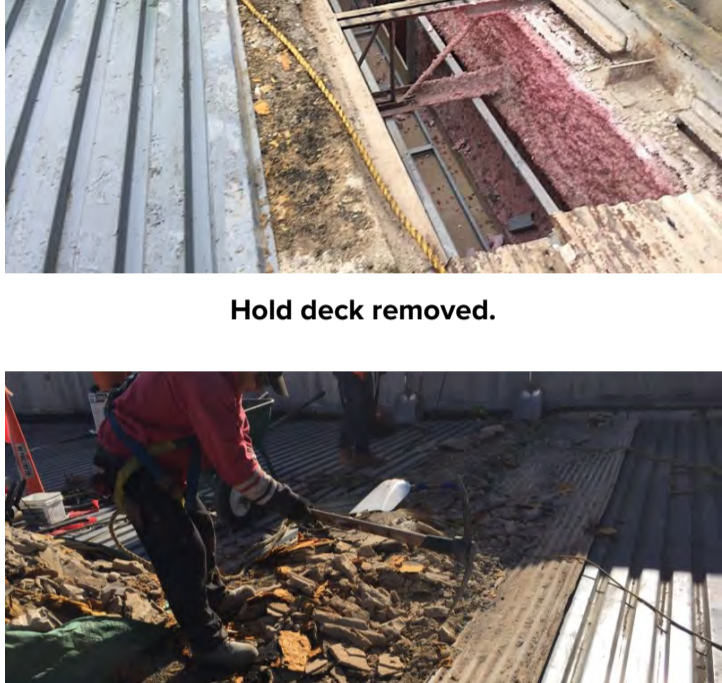
Temporary flashing in place with new base sheet.



The existing wall flashing was asbestos. Roof Doctors had the asbestos removed by a certified contractor and installed new temporary flashing.

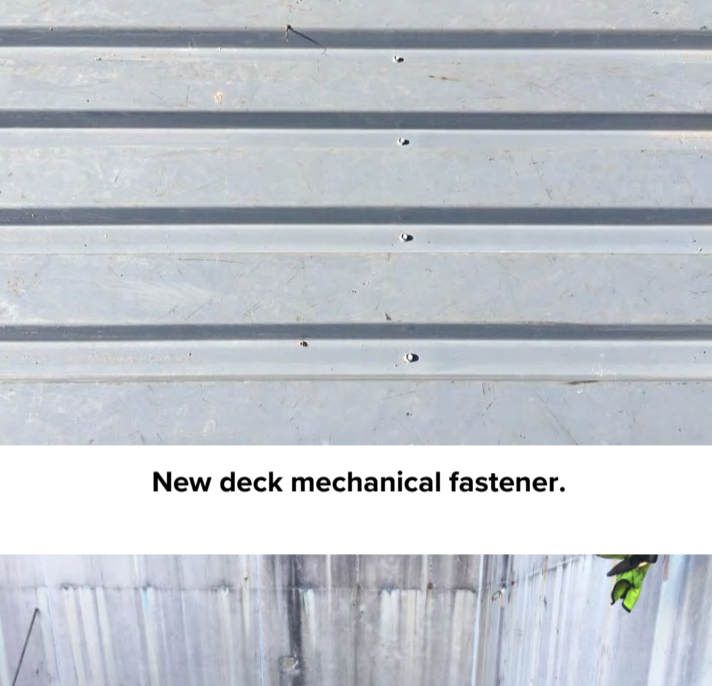


This roof was installed in the winter time so adhesives and chemicals must be stored in a warm area.



This project required the removal and replacement of the roof deck leaving the interior of the building open to the elements and debris. Roof Doctors installed full interior protection of the entire top floor of the building.

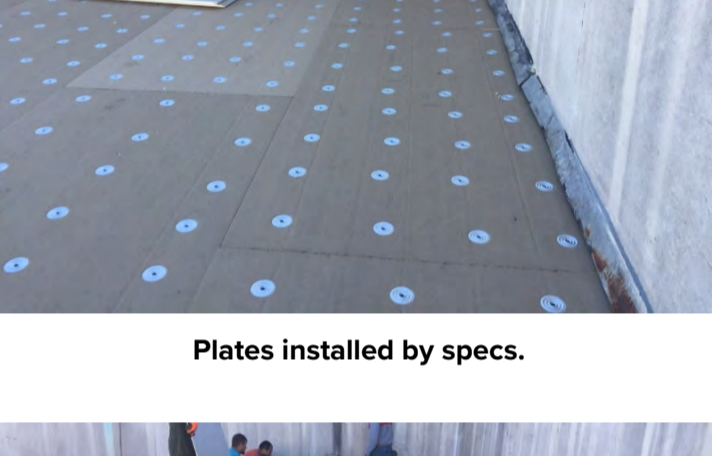
Images of Construction



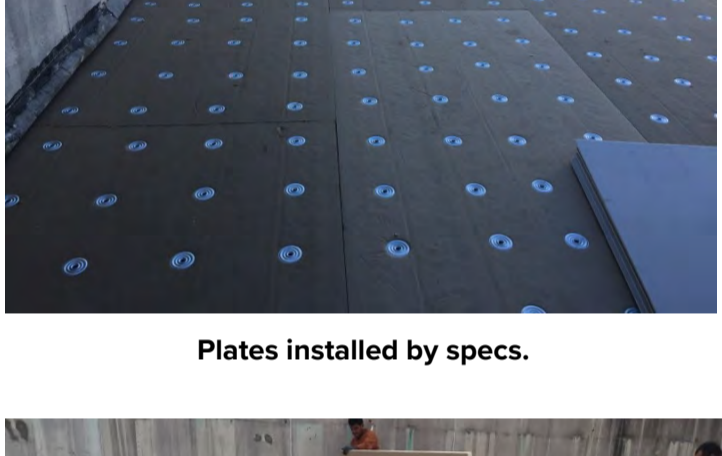
Metal spread over the roof for extra support.



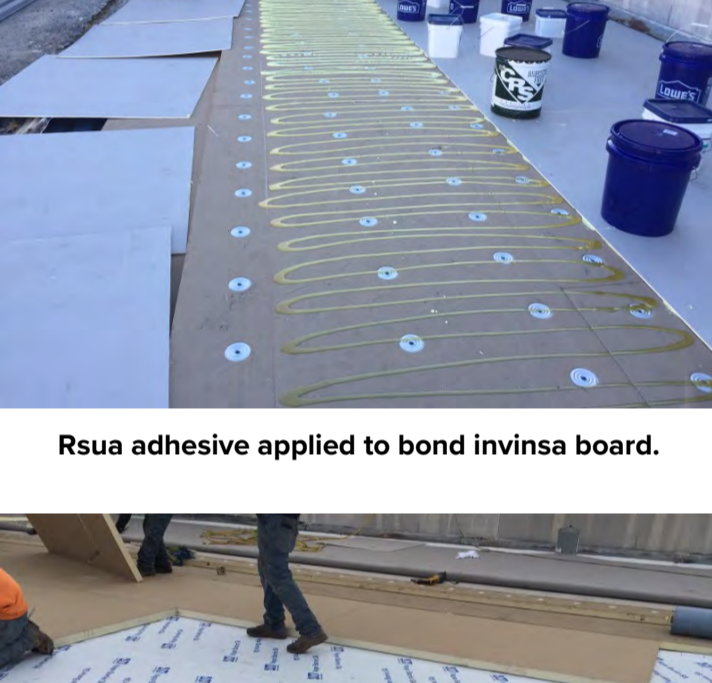
New look of the same detail.



Same details. Same details.



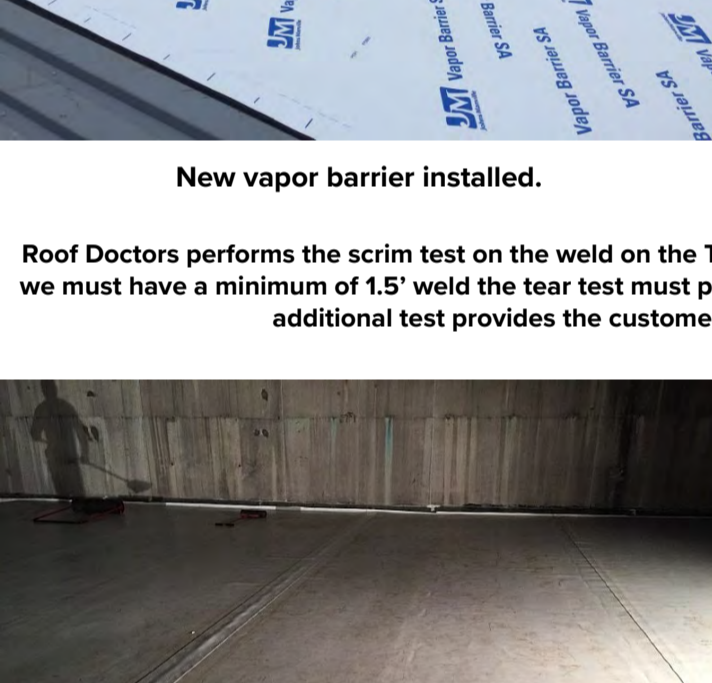
Same details. Same details.



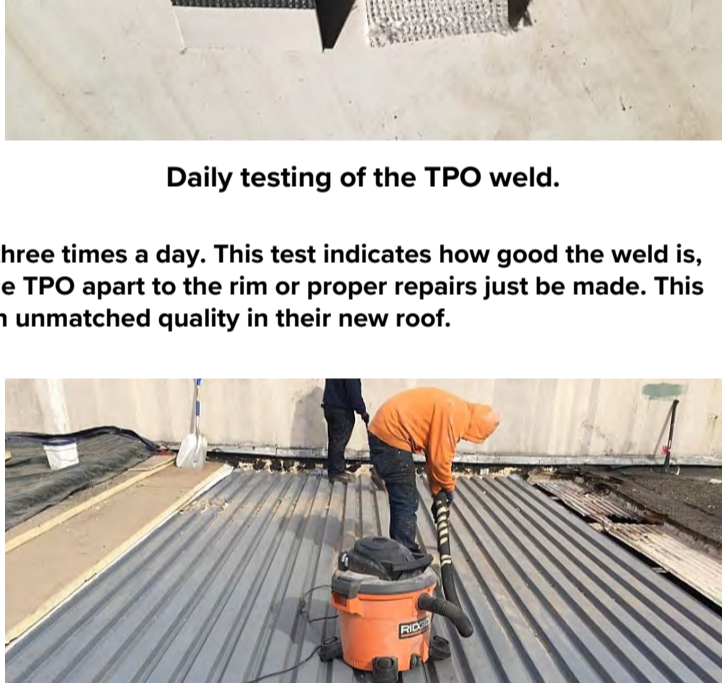
New coating applied over the existing repair.



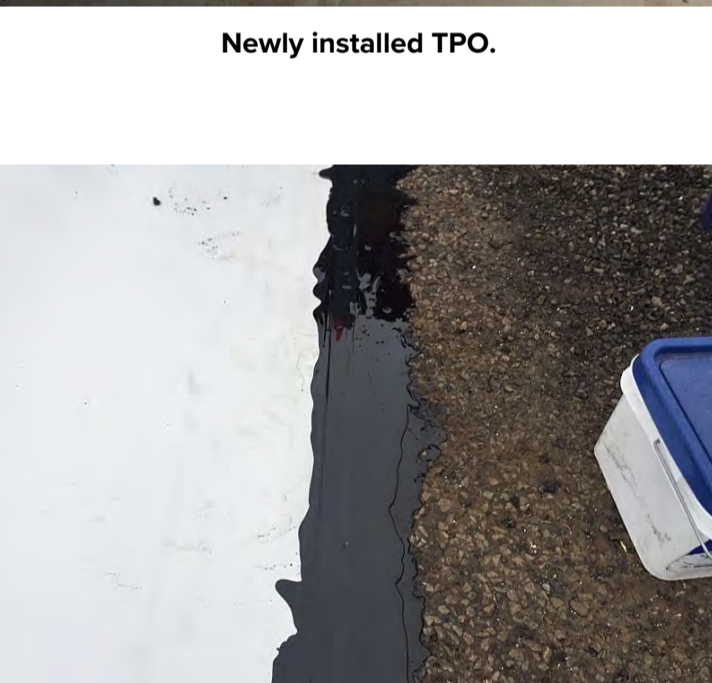
Worked on tore off hold of the roof.



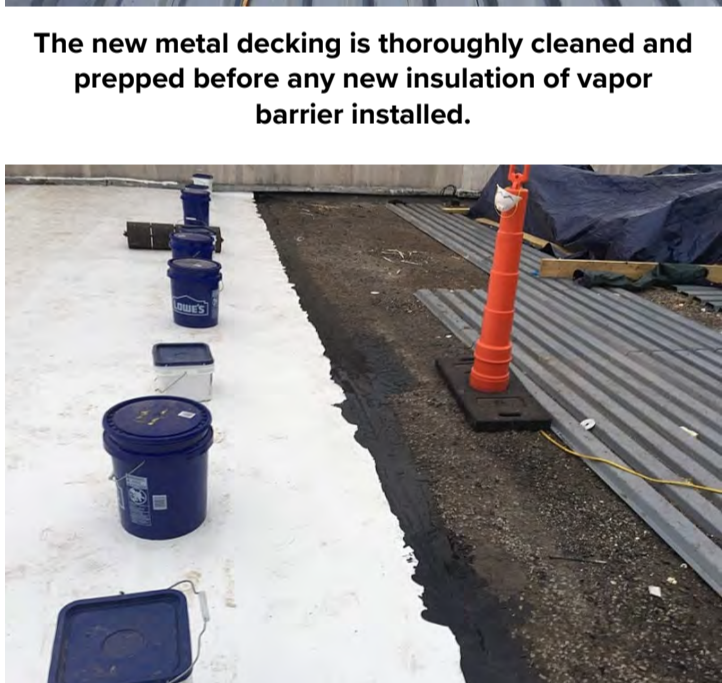
Light wait concrete removed.



Hold deck removed.



Removal and reappment of roof deck.



Removal and reappment of roof deck.

Images of Installation



New deck mechanical fastener.



New insulation installation.



Plates installed by specs.



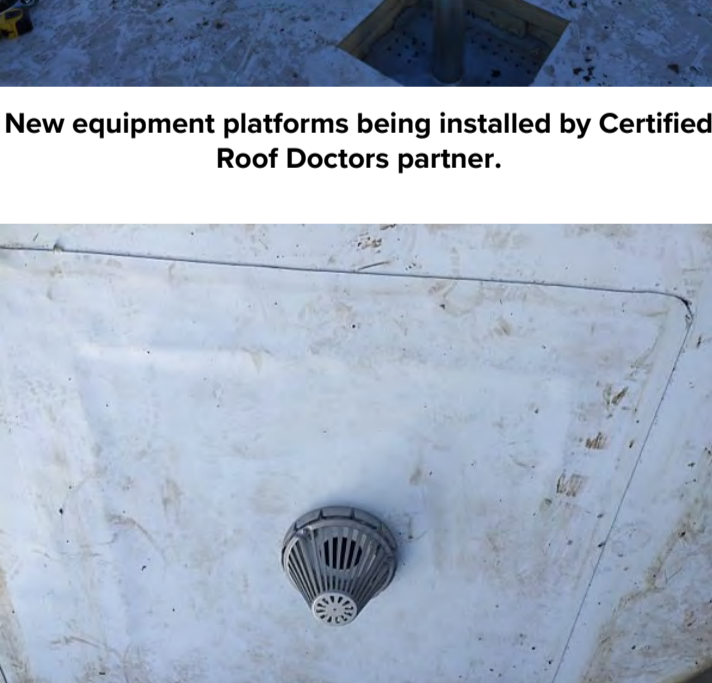
Plates installed by specs.



Rsva adhesive applied to bond invinsa board.



New vapor barrier installed.



New vapor barrier installed.



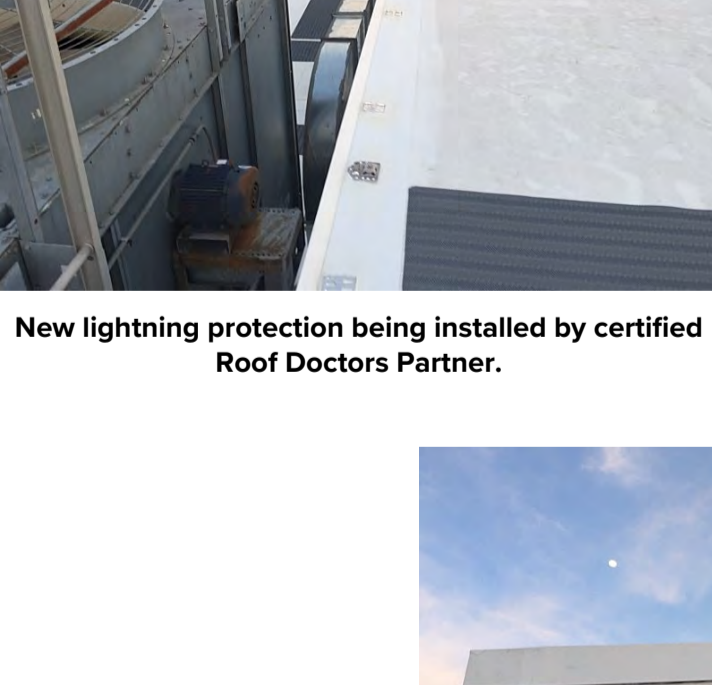
Daily testing of the TPO weld.



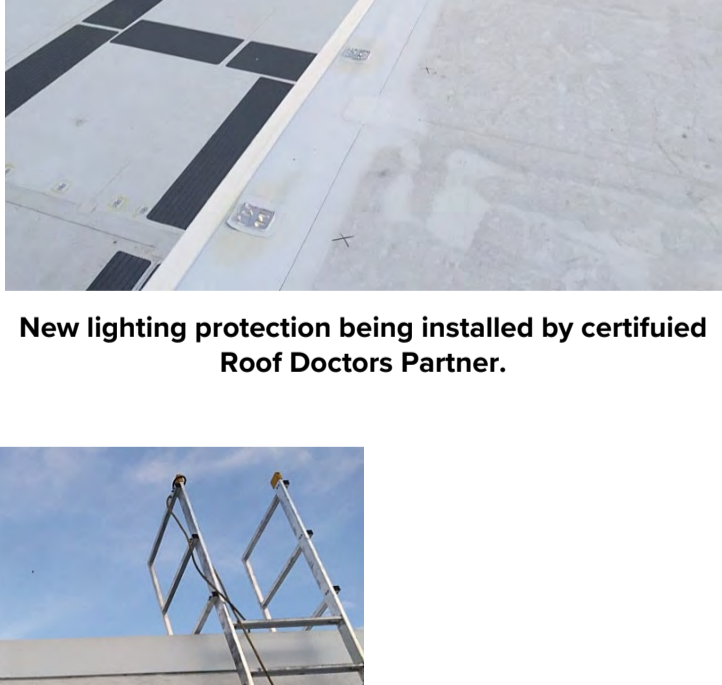
Newly installed TPO.



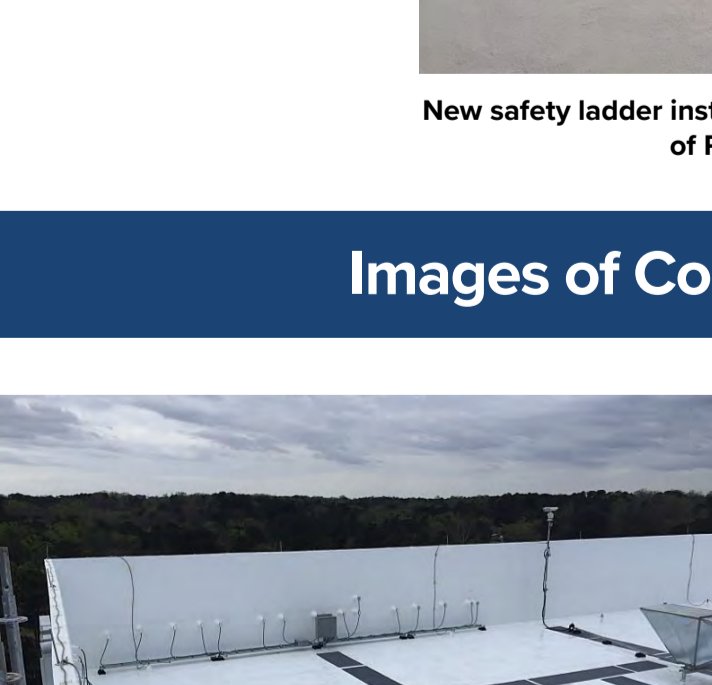
The new metal decking is thoroughly cleaned and prepped before any new insulation of vapor barrier installed.



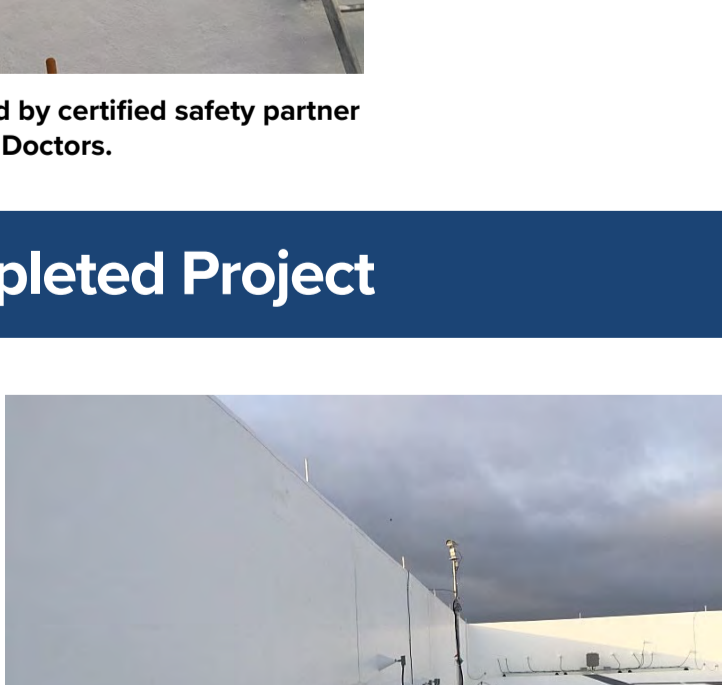
Close up view of Roof Doctors night tie in.



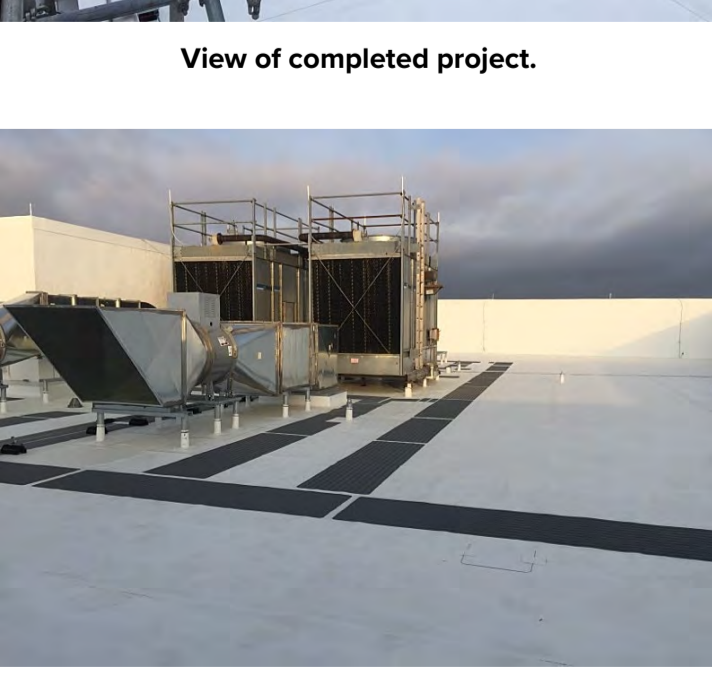
Night tie ins installed very day at the end of the working day to ensure no leaks occurred during the new roof installation.



View of the building.



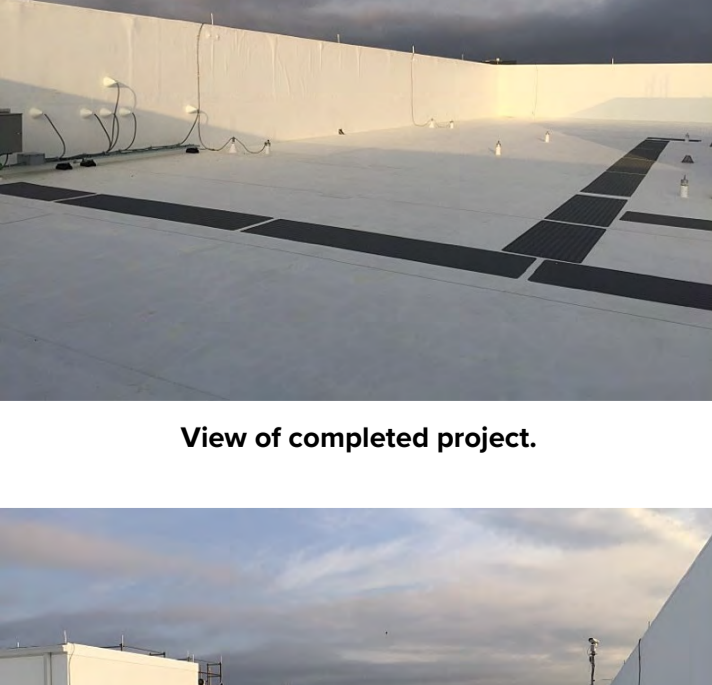
New vapor barrier installed over the new metal roof deck.



New R-30 insulation mechanically attached to the new metal roof deck.



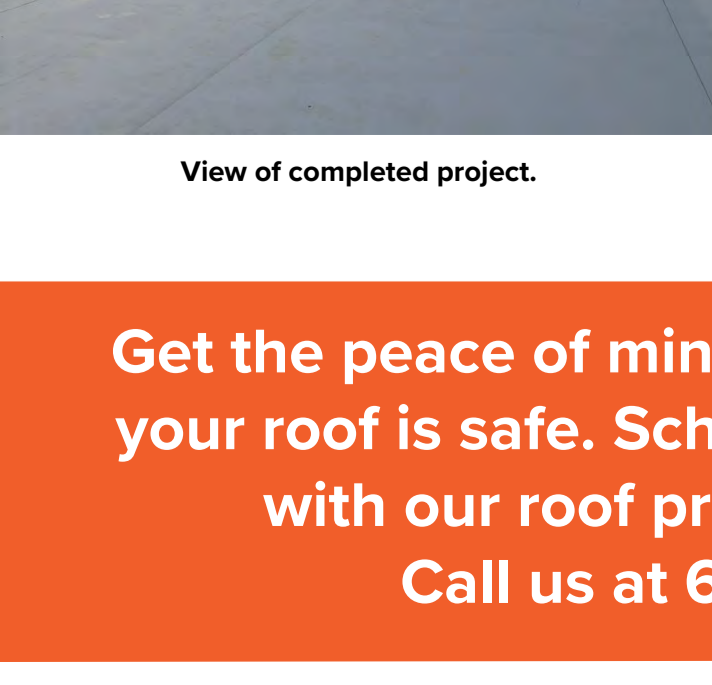
New high density cover board installation set in low rise foam adhesive 4" on center.



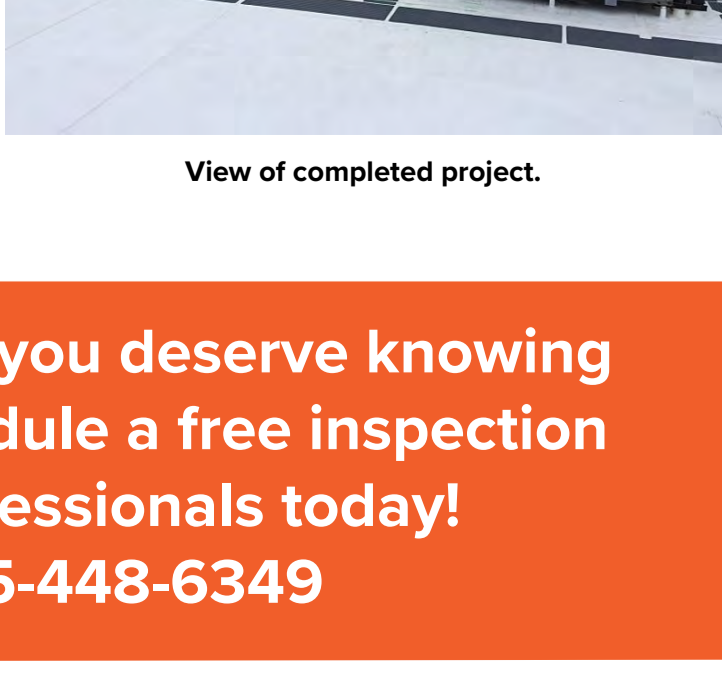
Quality control test performed and repaired Testing for adhesion, weld and proper installation. This test occurs for every 3 days of work completed.



Additional quality control test.



Overview of newly installed TPO on the penthouse roof.



Repaired the concrete wall before new membrane installed. This ensures a tight even bond of the new TPO to the concrete surface.



New equipment platforms being installed by Certified Roof Doctors partner.



New roof drain properly installed.

Completed roof drain.

Water cut off apply before membrane installed on overflow scupper drains.

Clamping ring installed to compress water cut off.

Finished flashing on over flow scupper drain.

New lightning protection being installed by certified Roof Doctors Partner.

New lightning protection being installed by certified Roof Doctors Partner.

New safety ladder installed by certified safety partner of Roof Doctors.

Images of Completed Project

View of completed project.

View of completed project.

View of completed project.

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Get the peace of mind you deserve knowing your roof is safe. Schedule a free inspection with our roof professionals today! Call us at 615-448-6349