



# Completion Report

**Client:** Mountain Empire USD

**Facility:** Campo Elementary School

**Report Date:** 08/02/2021

**Roof Section:** North & South Wing

## Report Data

Title	Garland LiquiTec Fluid-Applied Roof System
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The following report provides photo documentation of a Garland LiquiTec fluid-applied roof system installation completed recently at Campo Elementary School (part of Mountain Empire Unified School District.)

The existing roof system was a Mineral Modified Bitumen with a 1/2:12 slope. It was ~20 years old and beginning to show signs of aging (mild cracks in the membrane, mineral granule deterioration, a few blisters, failed seams at various points on the roof etc.)

After core-cutting the roof and conducting an overall inspection, it was determined that the roof system was not failed. No thermal scan was necessary as there was no existing insulation in the roof assembly. The roof was deemed a candidate for restoration using a fluid-applied roof system.

***Garland roofing materials were procured by Mountain Empire Unified District, via its authority under the CMAS schedule, and the labor was competitively bid.***



*Photo 1*

Aggregate was removed from the roof.

It has previously been installed by in-house maintenance on the low points of the roof to defend against ponding water.



*Photo 2*

The entire roof system is pressure-washed free of dirt and debris.



*Photo 3*

The entire roof system is pressure-washed free of dirt and debris.



*Photo 4*

Coping joints sealed with Garland's Tuff Stuff MS urethane sealant.



*Photo 5*

Blisters are cut open, primed with Garla-Prime VOC, and new SBS-modified cap sheet (StressPly IV Plus Mineral) is torch-applied.



*Photo 6*

Existing 22 ga galvanized counter-flashing is removed prior to base flashing reinforcement.



*Photo 7*

StressPly IV Plus Mineral (SBS-modified membrane) is torch-applied over the existing base flashings around the entire perimeter of the roof.



*Photo 8*

StressPly IV Plus Mineral (SBS-modified membrane) is torch-applied over curved base flashings.



*Photo 9*

StressPly IV Plus Mineral (SBS-modified membrane) is torch-applied over base flashings.



*Photo 10*

LiquiTec base coat is applied at 4.0 gal per sq.

Polyester fabric is embedded into the coating while it is applied. The polyester serves as a reinforcement layer between the base & top coat.





*Photo 11*

LiquiTec base coat is applied at 4.0 gal per sq.

Polyester fabric is embedded into the coating while it is applied. The polyester serves as a reinforcement layer between the base & top coat.



*Photo 12*

LiquiTec base coat is applied at 4.0 gal per sq.

Polyester fabric is embedded into the coating while it is applied. The polyester serves as a reinforcement layer between the base & top coat.



*Photo 13*

LiquiTec base coat application at 4.0 gal per sq. with polyester fabric embedded.



*Photo 14*

LiquiTec base coat application at 4.0 gal per sq. with polyester fabric embedded.



*Photo 15*

LiquiTec top coat is applied over all penetrations and base flashings at 2.0 gal per sq.



*Photo 16*

LiquiTec top coat is applied over all penetrations and base flashings at 2.0 gal per sq.



*Photo 17*

LiquiTec top coat is applied on the entire field of the roof at 2.0 gal per sq.



*Photo 18*

LiquiTec top coat is applied on the entire field of the roof at 2.0 gal per sq.



*Photo 19*

LiquiTec top coat is applied on the entire field of the roof at 2.0 gal per sq.



*Photo 20*

LiquiTec top coat is applied on the entire field of the roof at 2.0 gal per sq.



*Photo 21*

LiquiTec top coat is applied on the entire field of the roof at 2.0 gal per sq.



*Photo 22*

Canopies are re-roofed with a Garland 2-ply Modified Bitumen roof system (coated with Pyramic Plus LO urethane-acrylic coating)