



**Roof Consulting
Services, Inc.**

Inspection ** Testing ** Design

April 20, 2023

Mr. Steven Korey
Regional Property Manager
W.W. Grainger, Inc.
100 Grainger Parkway
Lake Forest, Illinois 60045

Re: **In Progress Inspection – Single Ply Roof Recovery Project**
W.W. Grainger, Inc - 422 Laredo
610 Gale Street
Laredo, Texas 78093

On April 19, 2023, Jim Rilee representing Roof Consulting Services, Inc. performed an In-progress Inspection of the new 60 mil TPO mechanically attached recovery roof system being installed by CentiMark Roofing Corporation on the above referenced facility. The new TPO roof system is manufactured and will be warranted by Versico Roofing Systems. CentiMark foreman Elijah Garza and his crew were on site at the time of this inspection. The purpose of this inspection was to document that the new roof assembly is being installed in accordance with Bid Specification/Request for Proposal prepared by RCS. The following observations were made during the in-progress inspection.

- All safety measures (safety flagging) are in place and in use on the jobsite.
- The loose gravel had been removed from the surface of the existing BUR.
- New wood nailers being installed at the East elevation perimeter edge were completed.
- New 1 ½ inch polyisocyanurate insulation being installed was 90% completed while RCS was on site.
- Conduit locations were marked on insulation prior mechanical attachment at 8 fasteners per 4'x8' board.
- Debris were being cleaned up and removed from the roof and ground into CentiMark's dumpster as the work progressed.
- The new rolls of 60 mil TPO membrane were on the roof, but no TPO was installed while RCS was on site.

The following items were observed that were incomplete or require additional attention.

1. The base flashings at penetrations, curbs, and parapets have not been removed, no plywood was on site at the time of this inspection. I asked CentiMark foreman Elijah Garza to provide photo documentation to RCS of the process of base flashing installation.
2. The metal coping, perimeter edge metal, gutters, downspouts, and 50% of counter flashings have not been removed at the time of this inspection.
3. The curbs without clearance for the required minimum 8 inch flashing heights have not been raised with installation of new wood nailers. CentiMark foreman Elijah Garza stated he plans raise the HVAC units with jacks that he had on the roof. And install the new flashing up over the top of curbs to provide the required flashing height. Note: Existing HVAC units have curb adaptors in place which reduced flashing height. I asked CentiMark foreman Elijah Garza to provide photo documentation to RCS of the process of raising and flashing these curbs.

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4. Satellite mounted on parapet was still in place, I informed CentiMark foreman Elijah Garza the satellite is supposed disconnected and relocated as specified. However, he told me that W.W. Granger Branch Manager Raul Reyna told him the parapet mounted satellite does not function and is to remove and properly dispose of satellite.

Once the new recovery roof installation is complete, RCS will return to complete the final inspection.

We have provided photographic documentation with this report to substantiate our observations during this inspection. If you have any questions, please feel free to call our office or send an email. We want to thank you for the opportunity to work with you on this project.

Respectfully submitted:
Roof Consulting Services, Inc.

A handwritten signature in blue ink, appearing to read 'Jonathan Grant, IV'.

Jonathan Grant, IV
Vice President of Operations

In-Progress Inspection Photographs

Facility Name: W.W. Granger - 422 Laredo

Project Title: TPO Single Ply Roof Recovery

Project Number: N/A

Inspection Date: 4/19/2023

Report Date: 4/20/2023



Exterior Elevation Overview



Exterior Elevation Overview



Staging Area Overview



Materials Overview

In-Progress Inspection Photographs

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Materials Overview



Materials Overview



Materials Overview



Materials Overview

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New TPO / Insulation Installation Overview



New TPO / Insulation Installation Overview



New TPO / Insulation Installation Overview



New TPO / Wood Nailers Installation Overview

In-Progress Inspection Photographs

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New TPO / Wood Nailers Installation Overview



New TPO / Insulation Installation Overview



New TPO / Insulation Installation Overview



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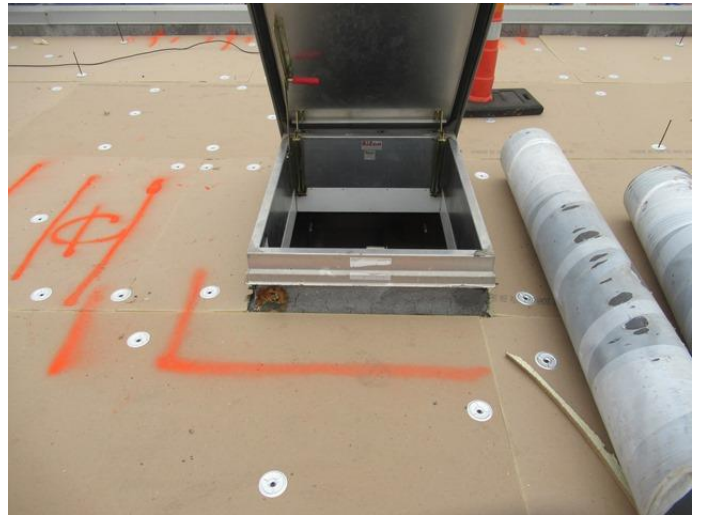
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New TPO / Insulation Installation Overview

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Existing Flashings Not Removed

Existing Flashings Not Removed

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Existing Flashing / Metal Coping Not Removed



Existing Flashing / Metal Coping Not Removed



Existing Flashing / Counter Flashing Not Removed



Existing Flashing / Counter Flashing Not Removed
Low Flashing Height also Depicted

In-Progress Inspection Photographs

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Existing Flashing / Counter Flashing Not Removed
Low Flashing Height also Depicted

Existing Flashing Not Removed / Low Flashing Height



Existing Perimeter Edging / Gutter System Not
Removed



Debris Removal Process