

Site Visit Report

Generated: April 27, 2025

Project Details

Project: 123 Main Street Building - Envelope Assessment
Report Number: SV-2025-001
Subject: Building Envelope Assessment for New Construction

Site Observations and Discussions

Construction Site Building Envelope Assessment Report

Site Observations and Analysis

Weather Conditions: Partly cloudy, 65°F, light winds from the northeast.

Personnel Present:

- *John Smith (Project Manager)
- *Sarah Johnson (Building Envelope Consultant)
- *Michael Chen (Contractor Representative)

Building Envelope Components Review

Site investigation of the building envelope revealed several observations requiring attention:

- **Exterior Wall System**:** The weather-resistive barrier (WRB) installation is approximately 80% complete on the north and east elevations.
Several areas were identified with improper lapping at window openings.

- **Window Installations**:** The window installation is in progress with approximately 60% of units installed.

The following issues were observed:

- *Inconsistent sealant application at window perimeters
- *Missing end dams on some window sill flashings

*Gap between window frame and rough opening exceeds specifications in several locations

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3. ****Roof Membrane****: The roof membrane installation has not yet begun, but materials are staged on site. Proper protection of materials was verified.

Material Storage and Handling

Materials are generally well-protected and stored according to manufacturer recommendations.

Noted exceptions include:

- *Several WRB rolls were observed in standing water
- *Metal flashings stored without proper protection from elements

Action Items

Recommended Action Items

Immediate Actions Required:

1. Reinstall the WRB at all window openings where lapping issues were observed to ensure proper integration with window flashings.
2. Install missing end dams on window sill flashings before proceeding with additional window installations.
3. Adjust rough opening preparation procedure to ensure consistent gap dimensions between window frames and rough openings.
4. Relocate WRB rolls from areas with standing water and review damaged materials for potential replacement.

Follow-up Items:

1. Schedule additional inspection prior to cladding installation to verify corrections.
 2. Conduct water testing on a sample of installed windows to verify flashing performance.
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3. Review roof membrane installation upon commencement to verify proper application procedures.
4. Document all corrections with photographic evidence for project records.