CLADSTYLE

ACM PANEL INSTALLATION GUIDE

Installation Planning, System Coordination & Technical Reference

> General installation reference for ACM facade system planning and coordination.

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ACM PANEL INSTALLATION GUIDE

Overview

ACM panel systems should be installed by qualified contractors in accordance with approved shop drawings, project specifications, applicable building codes, and manufacturer recommendations.

Proper installation is critical to the long-term performance, appearance, and durability of the facade system.

Typical Installation Process

1

Site Verification

Before installation begins:

- Confirm field dimensions
- Verify substrate conditions
- Review approved shop drawings
- Identify any site-specific conditions that may affect installation

2

Substructure Installation

The supporting substructure is installed in accordance with project-specific engineering and approved shop drawings.

Typical components may include:

- Aluminum rails
- Aluminum Z-girts
- Hat channels
- Custom engineered attachment systems

Proper alignment of the substructure is essential to achieving a flat and uniform facade.

3

Air & Moisture Barrier

Prior to panel installation:

- Air barriers should be installed according to manufacturer requirements.
- Flashings, transitions, and penetrations should be completed.
- Building envelope components should be inspected for continuity.

PANEL FABRICATION & INSTALLATION

4

Panel Fabrication

ACM panels are fabricated based on approved shop drawings and project requirements.

Fabrication may include cutting, routing, folding, and preparation for project-specific attachment conditions.

5

Panel Installation

Panels are installed according to approved shop drawings and engineered attachment requirements.

Key considerations include:

- Panel alignment
- Joint consistency
- Thermal movement allowances
- Attachment tolerances
- Drainage and ventilation requirements

6

Quality Control

Throughout installation, the following should be monitored:

- Panel alignment
- Joint dimensions
- Surface protection
- Fastener installation
- Finish condition

Any damaged components should be replaced before project completion.

Installation should follow approved shop drawings, project specifications, engineering requirements, and manufacturer recommendations.

Important Considerations

THERMAL MOVEMENT

ACM panels expand and contract with temperature changes. Installation methods must accommodate thermal movement to help prevent stress on the system.

WATER MANAGEMENT

Proper flashing, drainage, and ventilation details, including weep holes where required, are essential to long-term system performance.

FIRE COMPLIANCE

Where required, ACM panel systems must be incorporated into assemblies designed to meet applicable fire code requirements, including project-specific CAN/ULC-S134 compliance requirements where applicable.

FINAL INSPECTION

Prior to project completion:

- Protective film should be removed.
- Panels should be cleaned.
- Sealants and flashings should be inspected.
- Any deficiencies should be corrected.

Disclaimer

This guide is intended as a general overview only and should not be used as a substitute for project-specific shop drawings, engineering, manufacturer instructions, or applicable building code requirements.

Installation requirements may vary depending on project conditions, panel manufacturer, attachment system, and design intent.

Need Assistance?

For project-specific installation requirements, shop drawing support, fabrication details, or technical guidance, please contact:

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