



EasyTrim®
Reveals

SUBMITTAL PACKAGE

ADVANCED ALUMINUM TRIM SYSTEM

2026

ENGAGE
BUILDING PRODUCTS®

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1. SYSTEM OVERVIEW & PRODUCT IDENTIFICATION

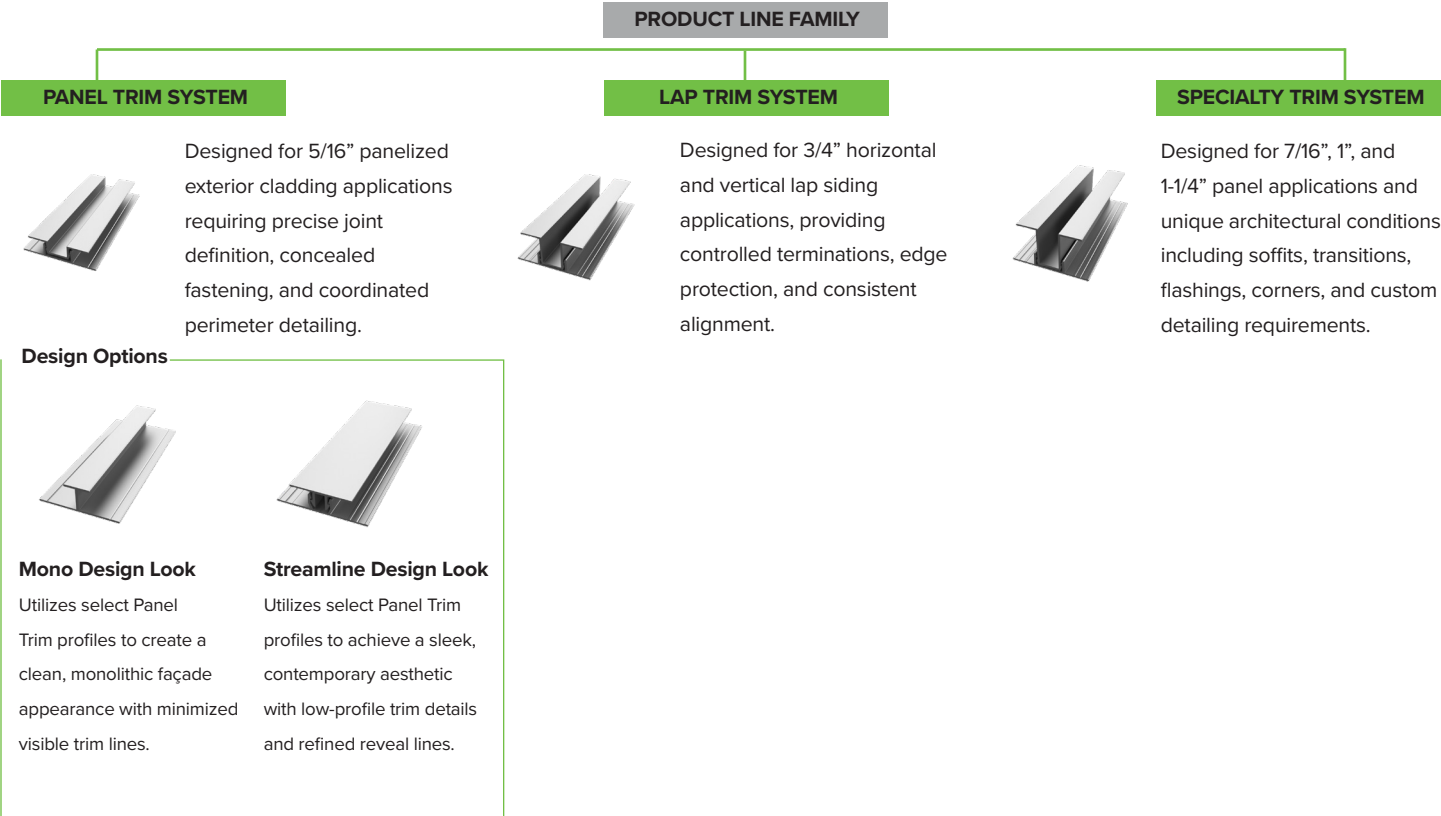


EasyTrim® Reveals – Advanced Aluminum Trim System

EasyTrim® Reveals is a family of engineered extruded aluminum trim systems designed for exterior cladding assemblies. The product line provides coordinated trim solutions for panel, lap, and specialty cladding applications, while supporting a variety of architectural design aesthetics.

Each system is engineered to provide consistent reveal alignment, edge protection, drainage management, movement accommodation, and clean architectural detailing while integrating with a variety of rainscreen and drained wall assemblies.

EasyTrim® Reveals trim systems are manufactured from 6063-T6 extruded aluminum and are available in anodized, primed, and Factory ColorMatch® finishes. Profiles are intended for use as non-structural trim components and shall be installed as part of a complete exterior wall assembly in accordance with project-specific details and applicable building codes.



SYSTEM SELECTION GUIDE

System	Intended Application	Typical Cladding
Panel	Panelized exterior wall systems	Fiber cement panels, HPL, ACM, metal panels
Lap	Horizontal and vertical lap siding	Fiber cement, engineered wood, composite siding
Specialty	Architectural transitions and custom conditions	Multiple cladding systems

GENERAL LIMITATIONS

EasyTrim® Reveals systems are non-structural architectural trim components and are not intended to support cladding loads. System selection shall be based on cladding type, assembly configuration, and project-specific design requirements. Details contained within this submittal package represent typical applications and shall be reviewed by the Design Professional for project-specific conditions. Installation shall be in accordance with the EasyTrim® Reveals Installation Guide and accepted industry practices.



2. CHANGE ORDER SUBMITTAL FORM



EasyTrim® Reveals – Advanced Aluminum Trim System

Date

Date Due

Project Name

To

From

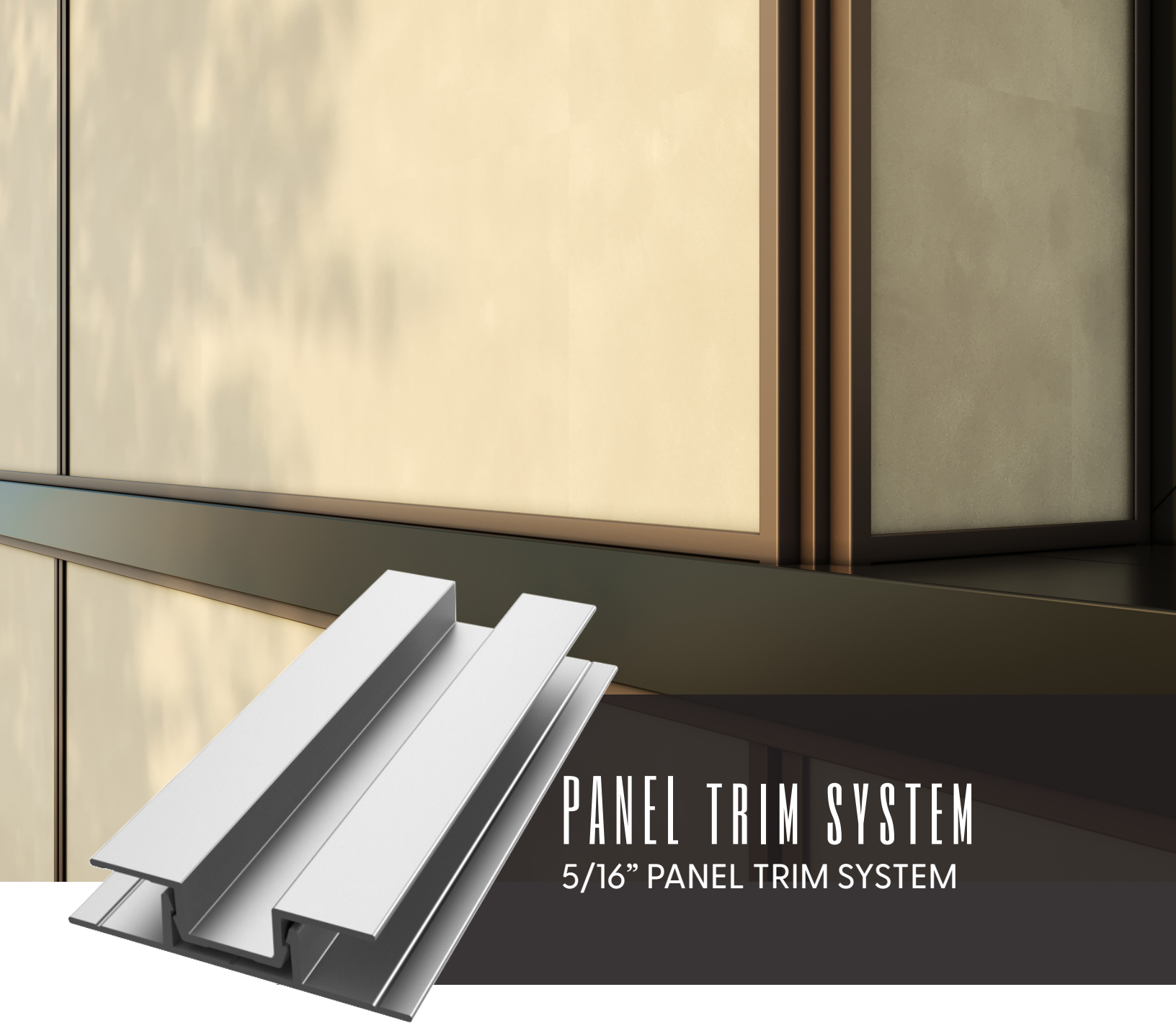
Subcontractor

Key #	Description:

Notes:

Submitted by

Signature



PANEL TRIM SYSTEM

5/16" PANEL TRIM SYSTEM

3. EasyTrim® Reveals – Advanced Aluminum Trim System

- | | |
|---------------------------------------|---|
| 3.1. Panel System Overview | 3.7. Mono Design Application Diagram |
| 3.2. Panel Profile Legend | 3.8. Mono Design Typical Detail |
| 3.3. Panel System Cut Sheets | 3.9. Streamline Design Look |
| 3.4. Panel System Application Diagram | 3.10. Streamline Design Application Diagram |
| 3.5. Panel System Typical Details | 3.11. Streamline Design Typical Detail |
| 3.6. Mono Design Look | |



Scan the QR code or visit the link to access additional typical details, supplementary drawings, and system-specific references.

EasyTrim® Reveals – 5/16” Panel Trim System

SYSTEM OVERVIEW

Manufacturer:	System Name:	Product Line:	Product Type:
EasyTrim® Reveals Engage Building Products	EasyTrim® Reveals – Panel Trim System	EasyTrim® Reveals	Extruded aluminum trim profiles for panelized exterior cladding systems

System Scope:

This document applies exclusively to the EasyTrim® Reveals Panel Trim System and includes system-specific trim profiles, cut sheets, typical details, installation guidance, and reference information.

PRODUCT IDENTIFICATION

The EasyTrim® Reveals Panel Trim System is a concealed-fastener aluminum trim system designed for use with panelized exterior cladding assemblies. The system provides consistent reveal alignment and controlled panel terminations through a coordinated set of aluminum trim profiles.

The system consists of extruded aluminum trim components including vertical, horizontal, corner, window, and termination profiles that function together as a unified assembly. Each profile is engineered to interface with designated panel thicknesses as specified within the EasyTrim® Reveals Panel Trim System documentation.

The system functions as a non-structural trim and alignment accessory and must be installed in coordination with panel cladding, substrates, weather-resistive barriers, and flashings as required for a complete wall assembly.

System Intent

- The EasyTrim® Reveals Panel Trim System is intended to:
- Create consistent and aligned panel reveals.
 - Protect panel edges at joints, openings, and terminations.
 - Accommodate controlled movement and drainage within the wall assembly.
 - Support efficient installation while maintaining architectural precision.

Compatible Applications

- Exterior panel cladding systems.
- Rainscreen and drained wall assemblies.
- Vertical and horizontal panel layouts.
- Residential and commercial construction.

System Limitations

- This system is not intended for lap siding applications.
- This system is not interchangeable with other EasyTrim systems.
- Trim profiles shall not be mixed with EasyTrim® Mono, EasyTrim® Reveals Lap Trim System, EasyTrim® Streamline, or EasyTrim® Reveals Specialty Trim System, unless explicitly approved in writing by the manufacturer.

System Configuration

- Two-piece trim profiles consist of a mechanically fastened back plate and a snap-fit top cap.
- One-piece trim profiles may be used only where indicated within this system.
- All profiles are extruded aluminum and supplied in standard 10'-0"(3048 mm) lengths unless noted otherwise.

3.2. PROFILE LEGEND

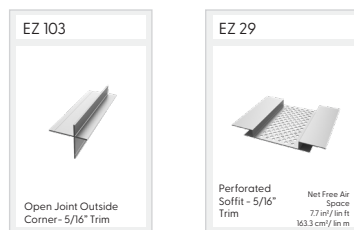
EasyTrim® Reveals – 5/16" Panel Trim System

5/16" Panel Trim System Length: 10'

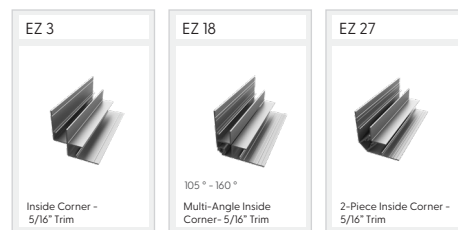
Outside Corners



Soffit Trims



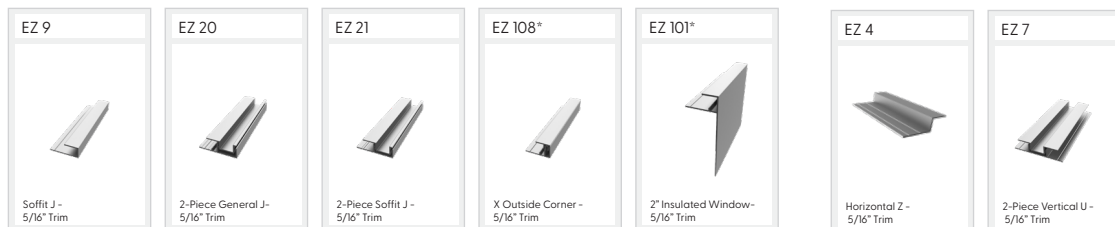
Inside Corners



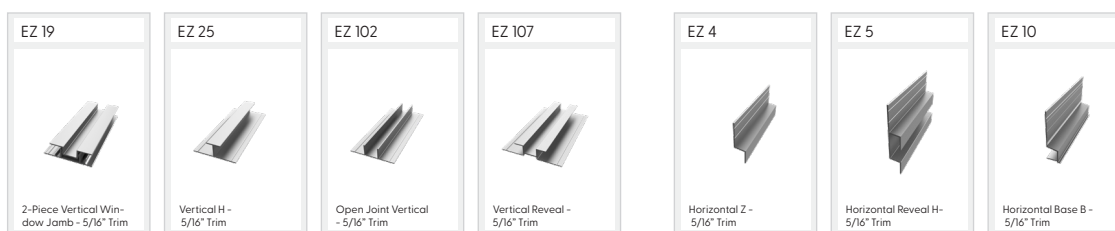
J Trims



Vertical Trims



Horizontal Trims

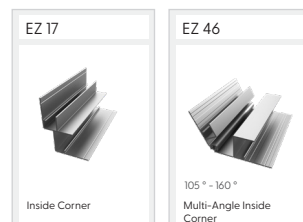


5/16" Panel to 3/4" Lap Transition Trims Length: 10'

Outside Corners



Inside Corners

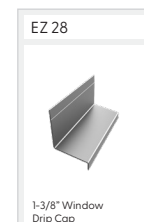


Vertical Trim



Universal Trims Length: 10'

Window Flashing



Starter Strip



Profile selection varies by Panel thickness and corner condition. Refer to cut sheets and typical details.

*Special order, lead times may vary.

3.3. CUT SHEET

EasyTrim® Reveals – 5/16" Panel Trim System

PRODUCT OVERVIEW

The EasyTrim® Reveals Panel Trim System is a concealed-fastener extruded aluminum trim system for 5/16" exterior panel cladding, providing clean reveals, panel edge protection, and precise alignment.

KEY BENEFITS

- ✓ Concealed-fastener design
- ✓ Clean, consistent reveals
- ✓ Precise panel alignment
- ✓ Durable extruded aluminum
- ✓ Corrosion-resistant
- ✓ Quick installation

SYSTEM COMPATIBILITY

- ✓ 5/16" panel systems
- ✓ Exterior cladding
- ✓ Rainscreen assemblies
- ✓ Drained wall systems
- ✓ Vertical & horizontal layouts
- ✓ Residential & commercial applications

FINISH OPTIONS

STANDARD FINISHES



CUSTOM COLOR WITH COLORMATCH®



Special Order and Custom Colors; lead time varies depending on project specifics and needs.

POWDER PERFECT SERIES



Performance characteristics are assembly-dependent and apply to the complete wall system; trim components are non-structural accessories.

EASYTRIM® REVEALS – PANEL TRIM SYSTEM PROFILES



Performance characteristics are assembly-dependent and apply to the complete wall system. EasyTrim® Reveals components are non-structural trim accessories.

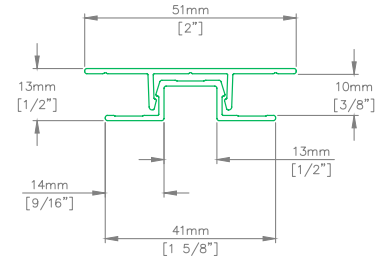
ATTACHMENT

Clips & Connectors

Plank Clip · Plank Connector · Plank Backer · Window Corner Key · Bold Starter Corner Key

Fasteners

3/4" metal screw
1-1/2" metal screw
1-1/2" wood screw



EZ 7 2-PIECE VERTICAL U 5/16" TRIM

TECHNICAL SPECIFICATIONS

PHYSICAL DATA

Material: 6063-T6 Extruded Aluminum
Thickness: 0.050 in (1.27 mm) ± tolerance
Finish: Clear Anodized, Black Anodized, Primed, Factory ColorMatch®

Warranty: 15-year Product Warranty

Length: 10'-0" (3048 mm)
Weight (lbs/sqft): ~0.50

TESTING

Fire Rating: Class A Non-Combustible by ASTM E136 / CAN/ULC-S114

Standards & Environmental

Aluminum: ASTM B221
Anodizing: AAMA 611
Environmental: Aluminum recyclable; EPD & HPD available

Performance

Rainscreen: Compatible with drained & ventilated assemblies
Pressure Equalized / AAMA 508: Assembly-level only; not applicable to trim alone
Wind Resistance: Assembly-dependent
Water Resistance: Assists with water management; not waterproof
Impact Resistance: Provides Lap edge protection

⚠ Refer to individual profile cut sheets for detailed dimensions and tolerances.

DESIGN RESOURCES



CAD DETAILS



SPEC CLAUSES



INSTALLATION
GUIDE



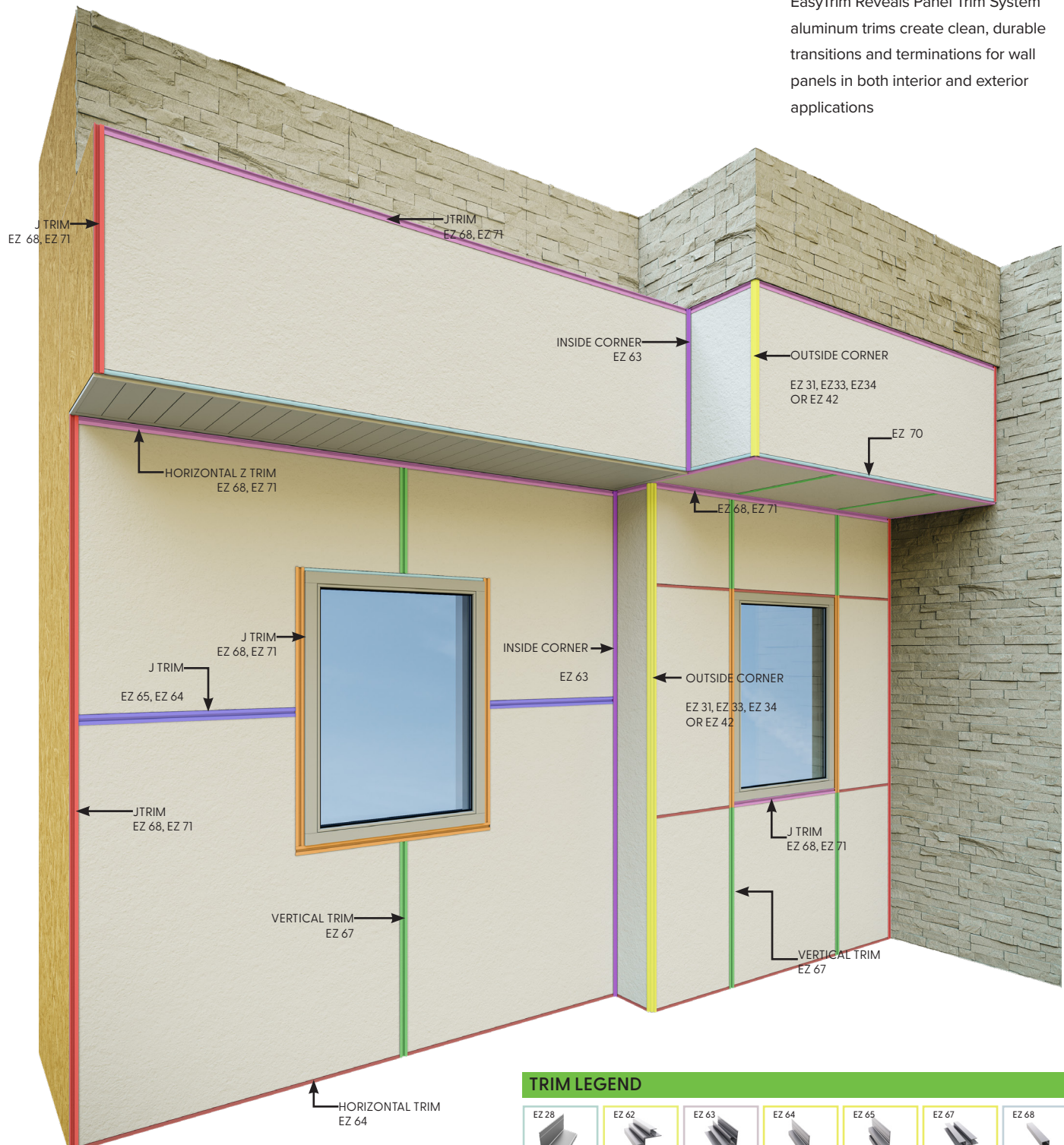
SCAN TO ACCESS
DRAWINGS, DETAILS &
MORE.

3.4. PANEL TRIM SYSTEM APPLICATION DIAGRAM

EasyTrim® Reveals – 5/16" Panel Trim System

SYSTEM OVERVIEW

EasyTrim Reveals Panel Trim System aluminum trims create clean, durable transitions and terminations for wall panels in both interior and exterior applications



NOTES

Refer to product catalog for full dimension and material specifications.

All trims are available in standard finishes to match project requirements.

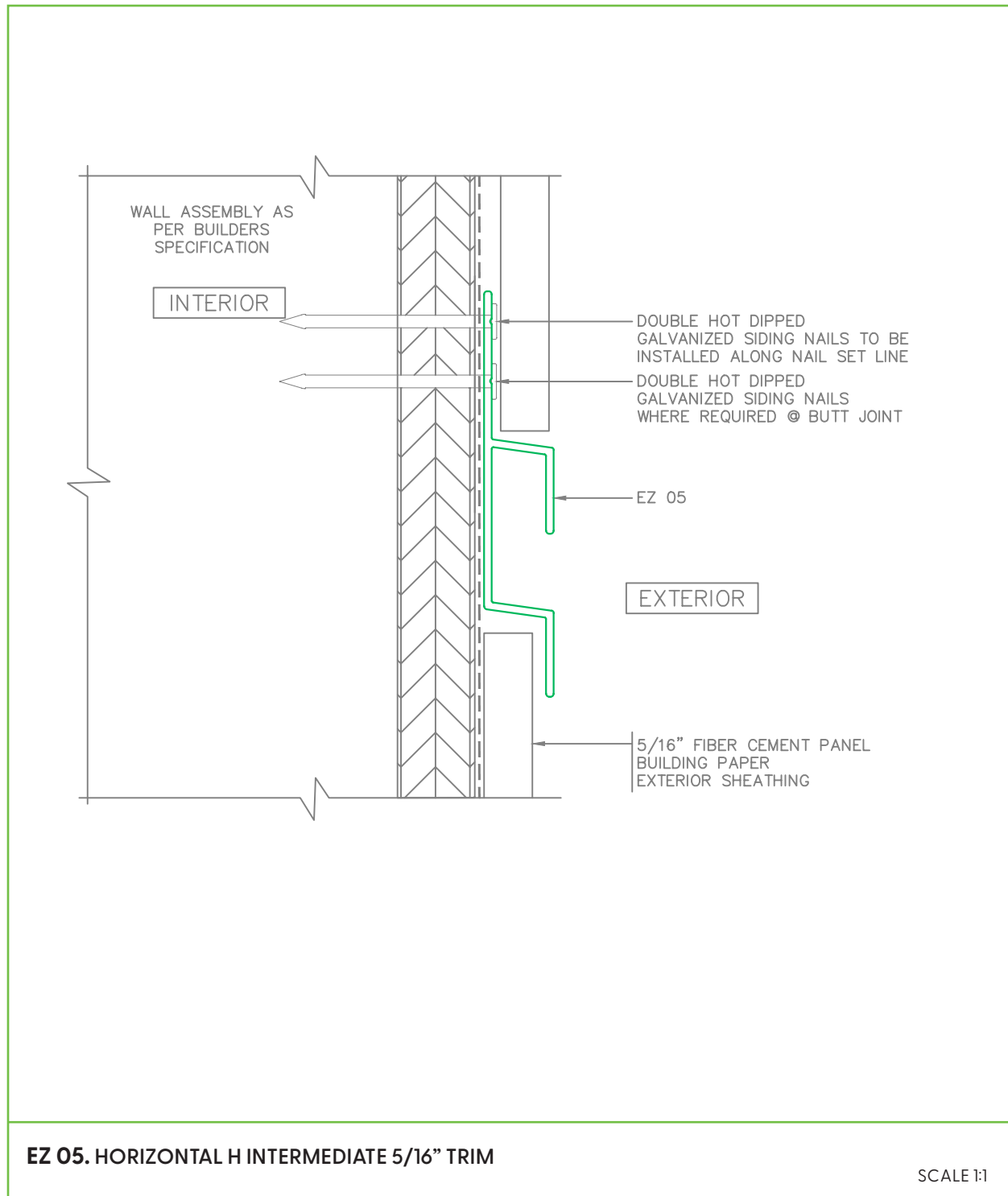
Install in accordance with EasyTrim installation guidelines.

TRIM LEGEND



3.5. TYPICAL DETAILS

EasyTrim® Reveals – 5/16" Panel Trim System

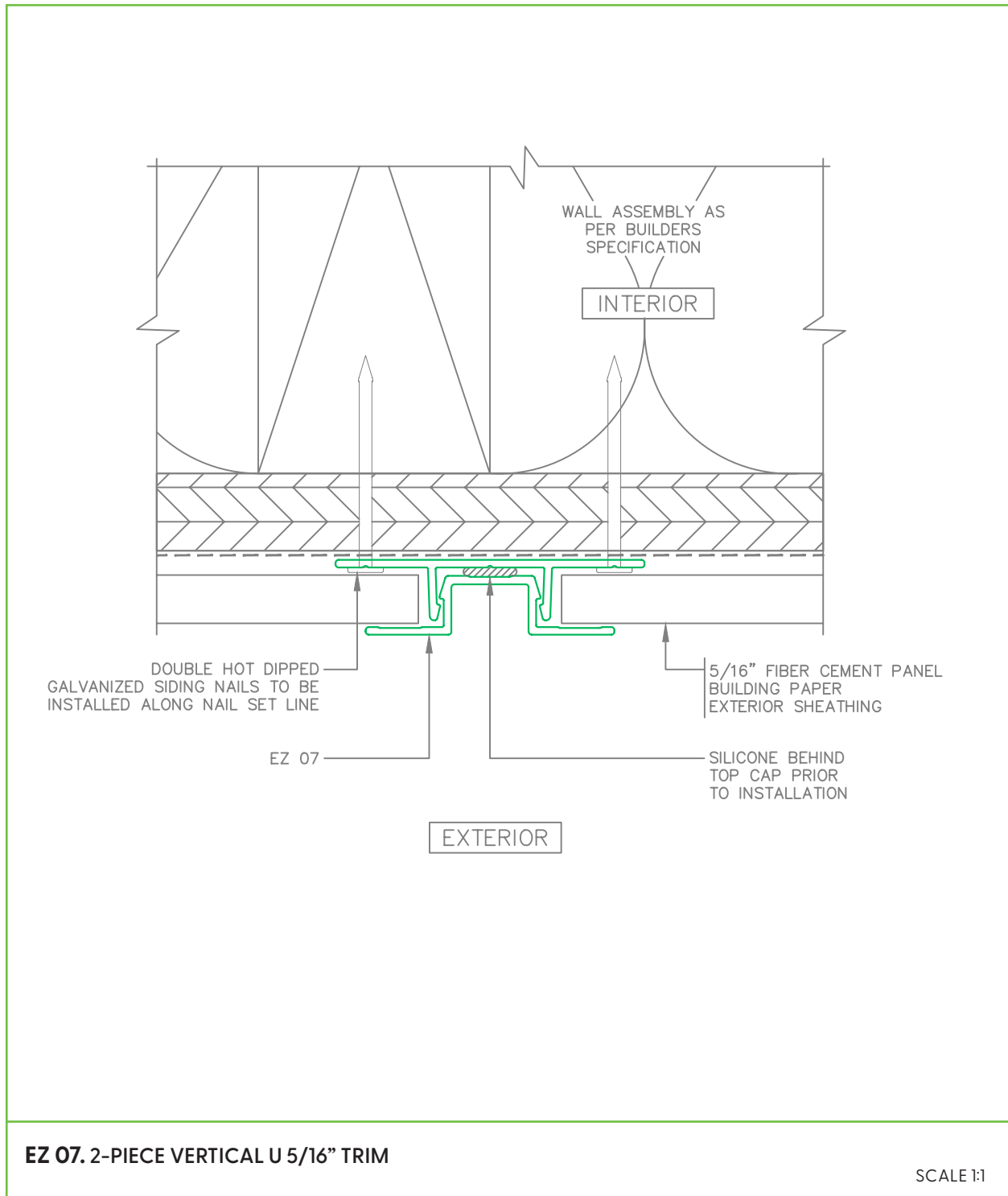


Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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3.5. TYPICAL DETAILS

EasyTrim® Reveals – 5/16" Panel Trim System

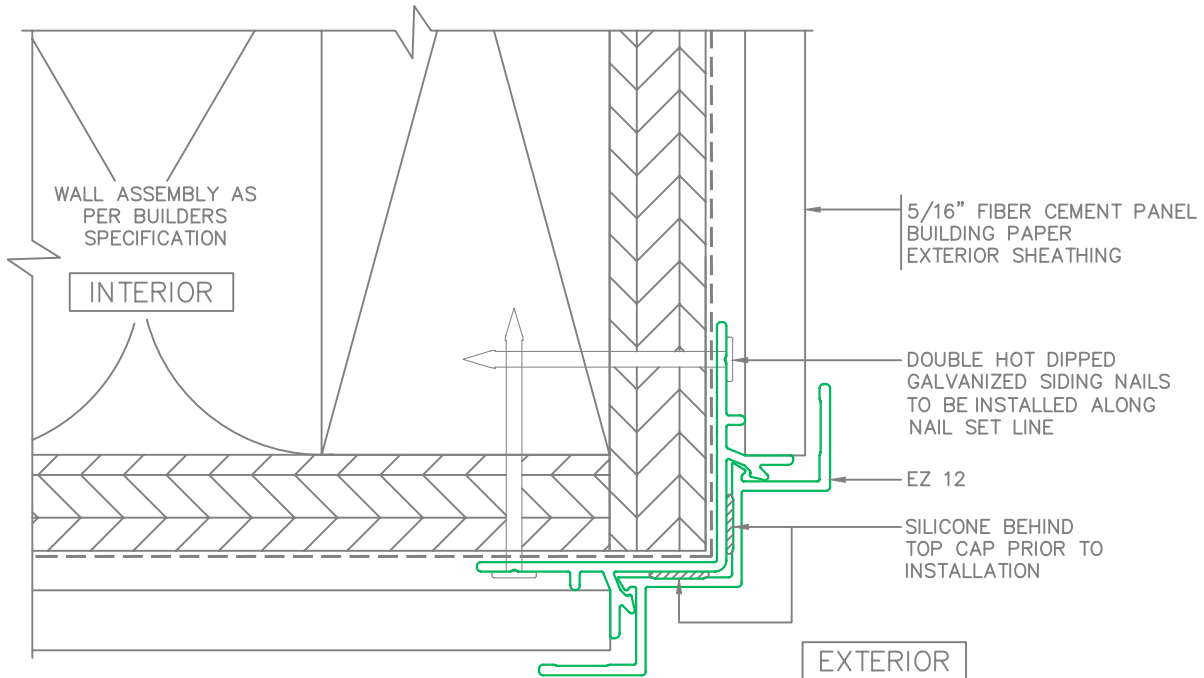


Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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3.5. TYPICAL DETAILS

EasyTrim® Reveals – 5/16" Panel Trim System



EZ 12. 2-PIECE SQUARE OUTSIDE CORNER 5/16" TRIM

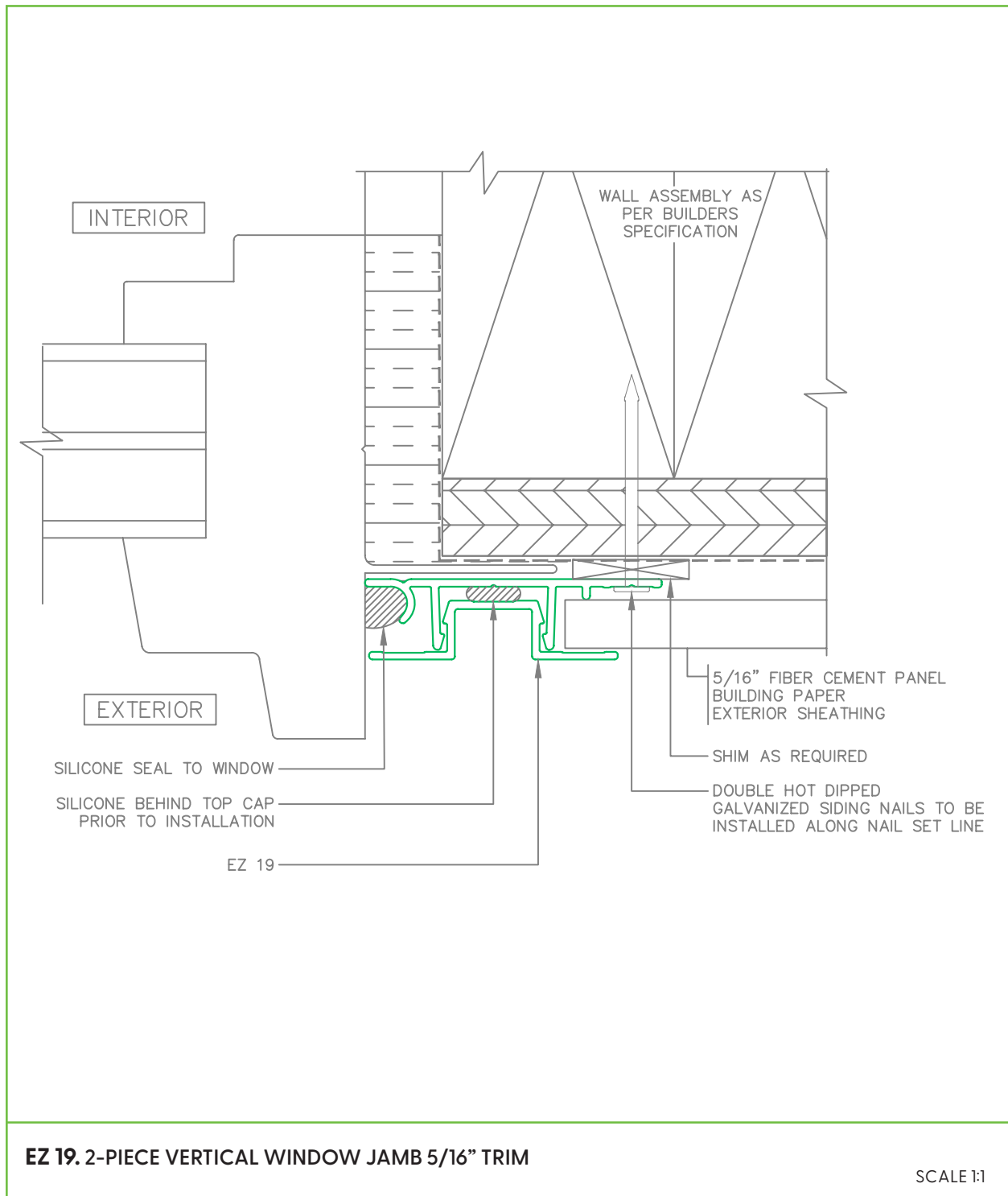
SCALE 1:1

Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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3.5. TYPICAL DETAILS

EasyTrim® Reveals – 5/16" Panel Trim System



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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DESIGN OPTION

MONO DESIGN LOOK

5/16" PANEL TRIM SYSTEM

Achieve a clean, Monolithic architectural Appearance using selected Easytrim Reveals Panel Trim sytem profiles. Minimized trim lines create a sleek, continuous surface with precise panel alignment.

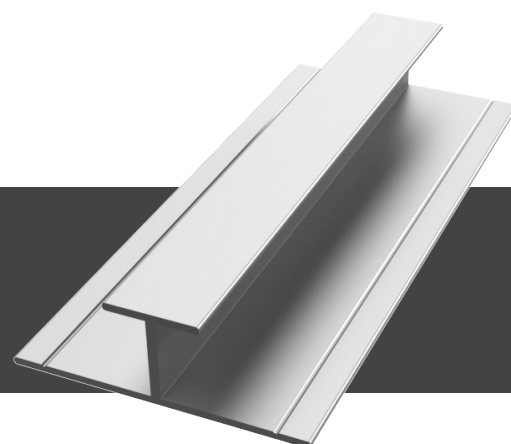
DESIGN BENEFITS

Monolithic Appearance

Concealed - Fastener System

Precise Panel Alignment

Clean, Minimal Trim Lines

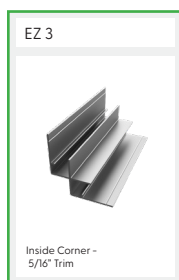


APPLICABLE 5/16" PANEL TRIM PROFILES

Outside Corners



Inside Corners



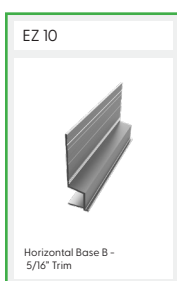
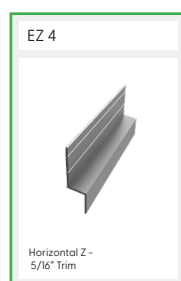
J Trims



Vertical Trims



Horizontal Trims



Scan the QR code or visit the link to access additional typical details, supplementary drawings, and system-specific references.

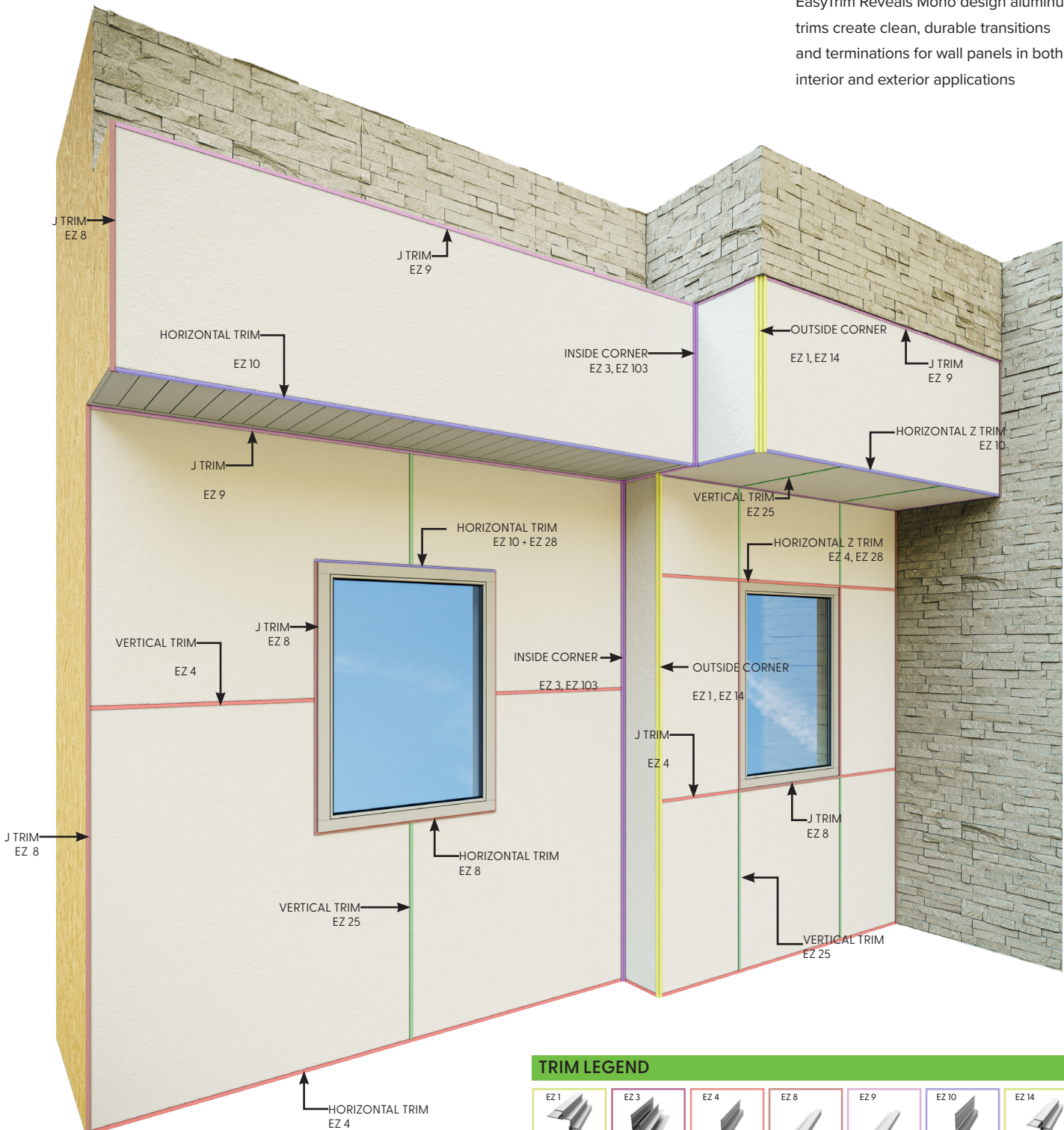
3.7. TYPICAL TRIM SYSTEM APPLICATION DIAGRAM



EasyTrim® Reveals – 5/16” Panel Trim System

SYSTEM OVERVIEW

EasyTrim Reveals Mono design aluminum trims create clean, durable transitions and terminations for wall panels in both interior and exterior applications



NOTES

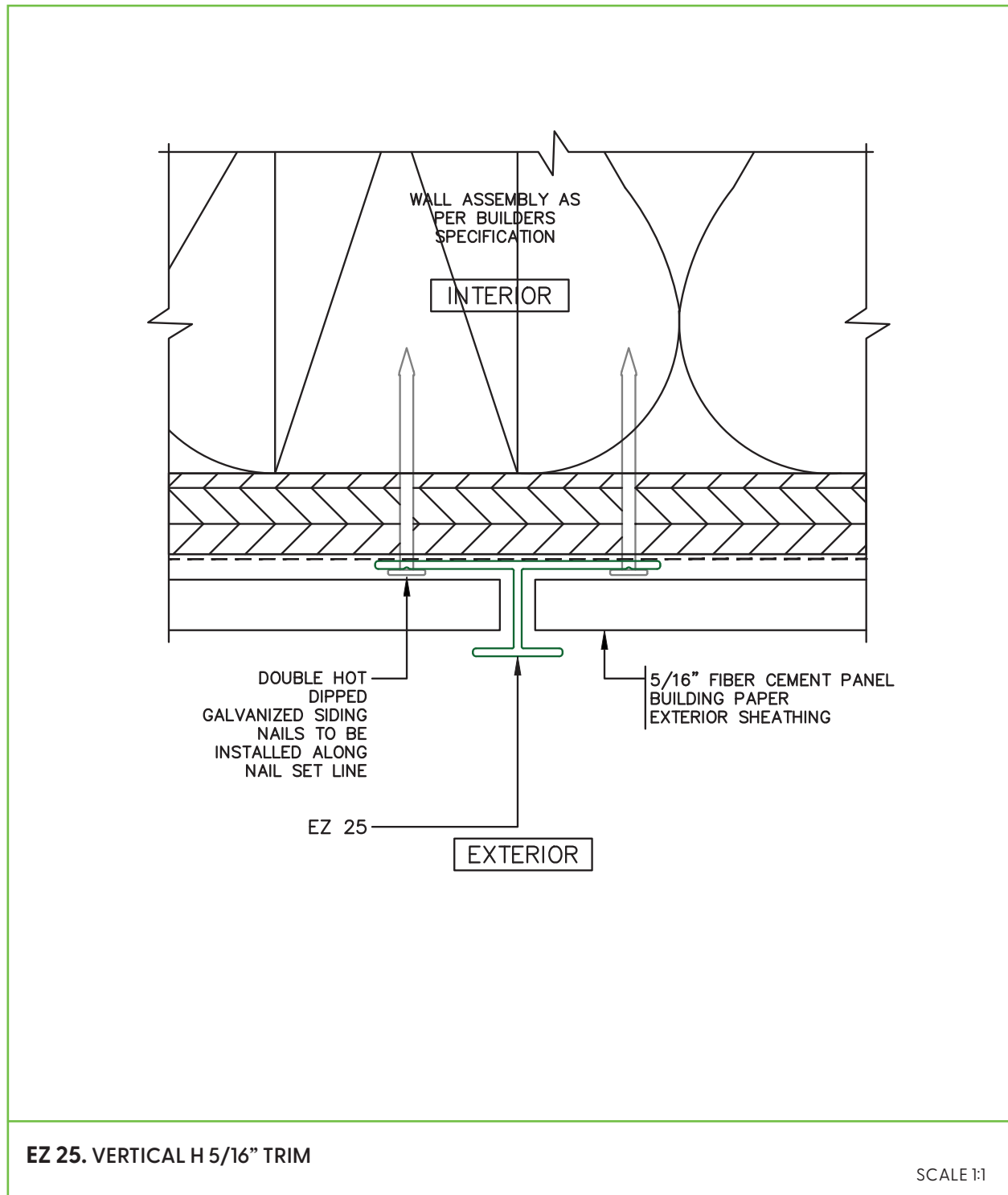
- Refer to product catalog for full dimension and material specifications.
- All trims are available in standard finishes to match project requirements.
- Install in accordance with EasyTrim installation guidelines.

TRIM LEGEND

EZ 1	EZ 3	EZ 4	EZ 8	EZ 9	EZ 10	EZ 14
EZ 25	EZ 28	EZ 103				

3.8. TYPICAL DETAILS

EasyTrim® Reveals – 5/16" Panel Trim System



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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DESIGN OPTION

STREAMLINE DESIGN LOOK

5/16" PANEL TRIM SYSTEM

The EasyTrim® Reveals Streamline Design Look utilizes select 5/16" Panel Trim System profiles to create a sleek, contemporary façade appearance with refined reveal lines and low-profile trim detailing. The design emphasizes clean geometry, visual continuity, and precise panel alignment while maintaining the performance benefits of the EasyTrim® Reveals Panel Trim System.

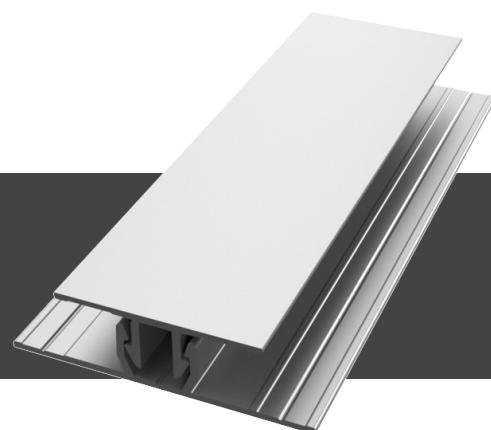
DESIGN BENEFITS

Streamlined
Aesthetic

Concealed - Fastener
System

Precise Panel
Alignment

Low Profile
Trim Detailing

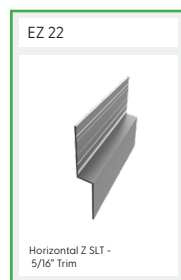


APPLICABLE 5/16" PANEL TRIM PROFILES

Outside Corners



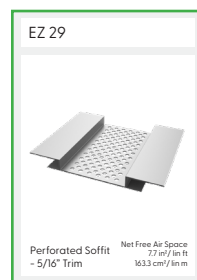
Horizontal Trims



Vertical Trims



Soffit Trims



Scan the QR code or
visit the link to access
additional typical details,
supplementary drawings,
and system-specific
references.

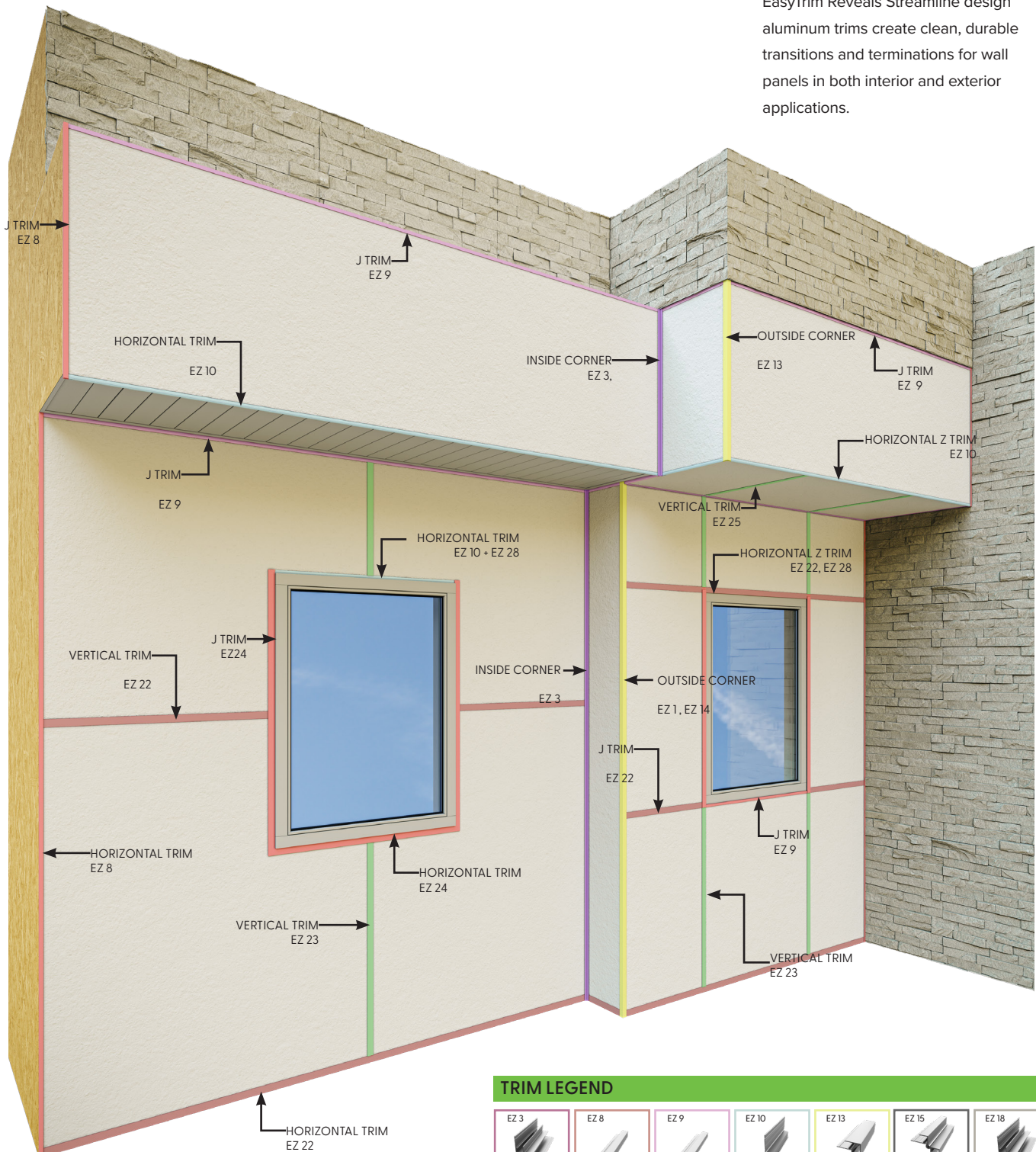
3.10. TYPICAL TRIM SYSTEM APPLICATION DIAGRAM



EasyTrim® Reveals – 5/16” Panel Trim System

SYSTEM OVERVIEW

EasyTrim Reveals Streamline design aluminum trims create clean, durable transitions and terminations for wall panels in both interior and exterior applications.



NOTES

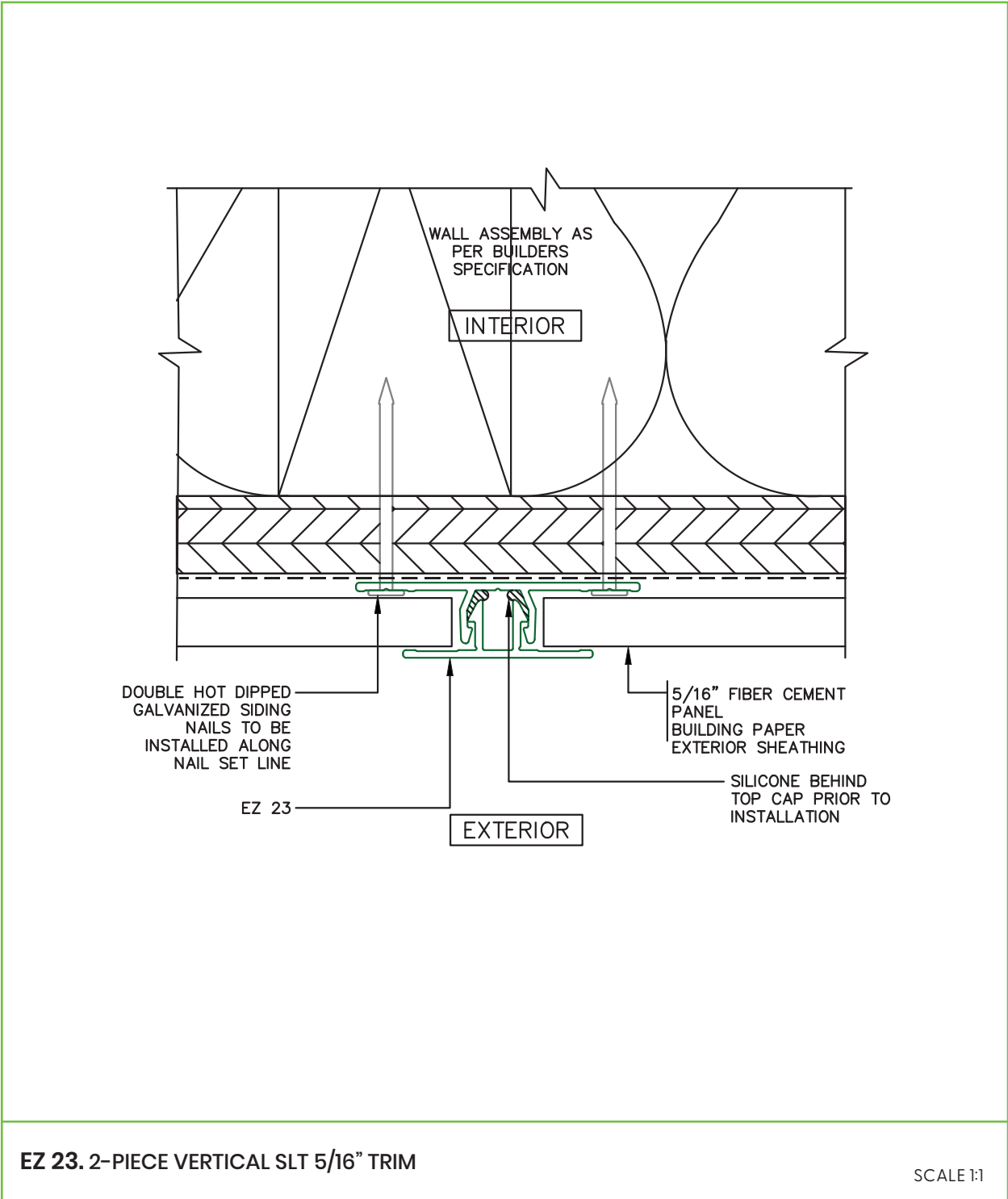
- Refer to product catalog for full dimension and material specifications.
- All trims are available in standard finishes to match project requirements.
- Install in accordance with EasyTrim installation guidelines.

TRIM LEGEND

EZ 3	EZ 8	EZ 9	EZ 10	EZ 13	EZ 15	EZ 18
EZ 22	EZ 23	EZ 24	EZ 28			

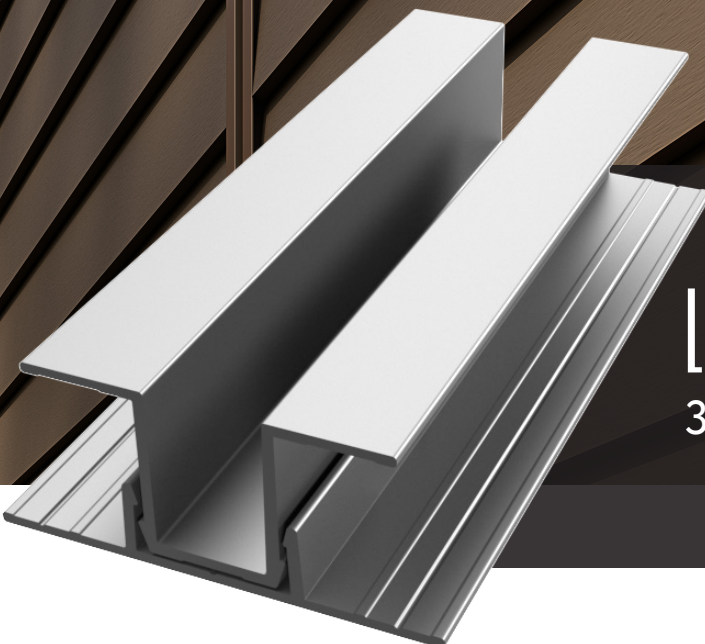
3.11. TYPICAL DETAILS

EasyTrim® Reveals – 5/16” Panel Trim System



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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LAP TRIM SYSTEM

3/4" LAP TRIM SYSTEM

4.0 EasyTrim[®] Reveals – Advanced Aluminum Trim System

- 4.1. 3/4" Lap Trim System Overview
- 4.2. 3/4" Lap Trim System Profile Legend
- 4.3. 3/4" Lap Trim System Cut Sheets
- 4.4. 3/4" Lap Trim System Application Diagram
- 4.5. 3/4" Lap Trim System Typical Details



Scan the QR code or visit the link to access additional typical details, supplementary drawings, and system-specific references.

4. LAP SYSTEM OVERVIEW & PRODUCT IDENTIFICATION



EasyTrim® Reveals – 3/4” Lap Trim System

SYSTEM OVERVIEW

Manufacturer:	System Name:	Product Line:	Product Type:
EasyTrim® Reveals Engage Building Products	EasyTrim® Reveals – Lap Trim System	EasyTrim® Reveals	Extruded aluminum trim profiles for lapped exterior cladding systems

System Scope:

This document applies exclusively to the EasyTrim® Reveals Lap Trim System and includes system-specific trim profiles, cut sheets, typical details, installation guidance, and reference information.

PRODUCT IDENTIFICATION

The EasyTrim® Reveals Lap Trim System is a concealed-fastener aluminum trim system engineered for lapped exterior cladding assemblies. The system provides consistent reveal alignment and controlled lap terminations through a coordinated set of extruded aluminum trim profiles.

The system consists of extruded aluminum components including vertical, horizontal, corner, window, and termination profiles that function together as a unified assembly. Each profile is engineered to interface with designated lap thicknesses as specified within the EasyTrim® Reveals Lap Trim System documentation.

The EasyTrim® Reveals Lap Trim System functions as a non-structural trim and alignment accessory and must be installed as part of a complete wall assembly including Lap cladding, substrates, weather-resistive barriers, and flashings as required for a complete wall assembly.

System Intent

- The EasyTrim® Reveals Lap Trim System is intended to:
- Create consistent and aligned Lap reveals
 - Protect Lap edges at joints, openings, and terminations
 - Accommodate controlled movement and drainage within the wall assembly
 - Support efficient installation while maintaining architectural precision

Compatible Applications

- Exterior Lap cladding systems
- Rainscreen and drained wall assemblies
- Vertical and horizontal Lap layouts
- Residential and commercial construction

System Limitations

- This system is not intended for panelized cladding applications.
- This system is not interchangeable with other EasyTrim systems.
- Trim profiles shall not be mixed with Lap Trim System or Specialty Trim System unless approved by the manufacturer.

System Configuration

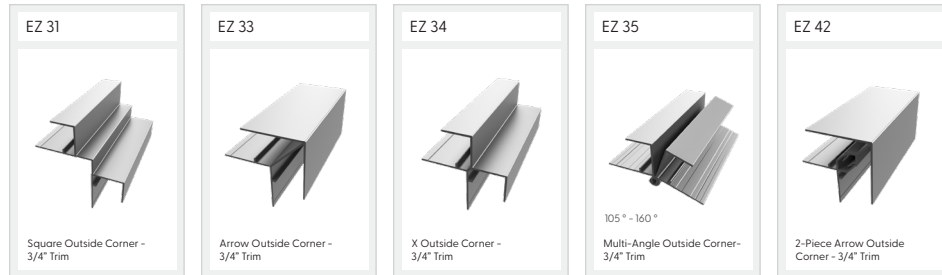
- Two-piece trim profiles consist of a mechanically fastened back plate and a snap-fit top cap
- One-piece trim profiles may be used only where indicated within this system
- All profiles are extruded aluminum and supplied in standard 10'-0" (3048 mm) lengths unless noted otherwise

4.1. CUT SHEET

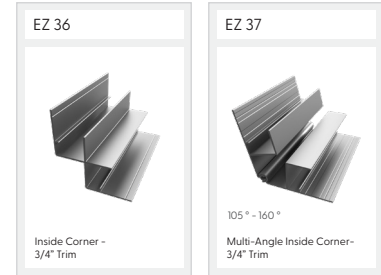
EasyTrim® Reveals – 3/4” Lap Trim System

3/4” Lap Trim System Length: 10'

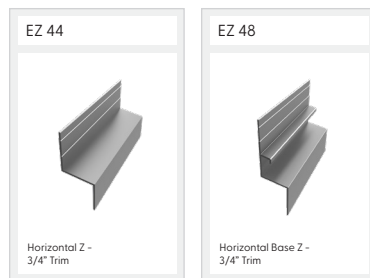
Outside Corners



Inside Corners



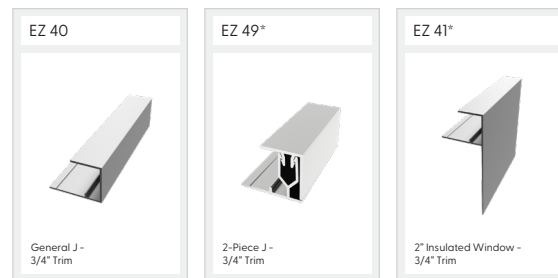
Horizontal Trims



Vertical Trims



J Trims



5/16” Panel to 3/4” Lap Transition Trims Length: 10'

Outside Corners



Inside Corners



Vertical Trim



Universal Trims Length: 10'

Window Flashing



Starter Strip



4.3. CUT SHEET

EasyTrim® Reveals – 3/4" Lap Trim System

PRODUCT OVERVIEW

The EasyTrim® Reveals Lap Trim System is a concealed-fastener extruded aluminum trim system for 3/4" lap siding, providing clean transitions, edge protection, and precise alignment.

KEY BENEFITS

- ✓ Concealed-fastener design
- ✓ Clean, finished appearance
- ✓ Precise alignment
- ✓ Durable extruded aluminum
- ✓ Corrosion-resistant
- ✓ Quick installation

SYSTEM COMPATIBILITY

- ✓ 3/4" lap siding
- ✓ Exterior cladding
- ✓ Horizontal lap applications
- ✓ Residential & commercial construction

FINISH OPTIONS

STANDARD FINISHES



Arctic White Primed Clear Anodized Black Anodized

POWDER PERFECT SERIES



Aged Pewter Coble Stone Iron Grey Rich Espresso Monterey Taupe Aged Pewter Arctic White

CUSTOM COLOR WITH COLORMATCH®

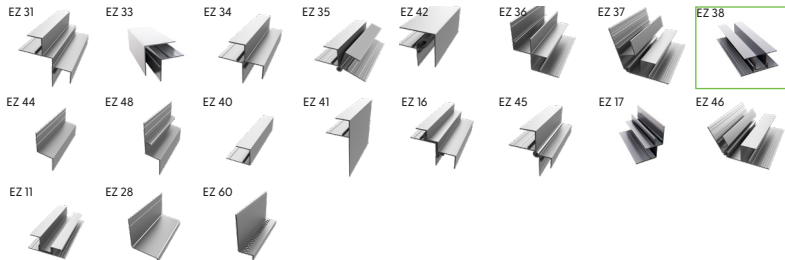


Special Order and Custom Colors: lead time varies depending on project specifics and needs.



Performance characteristics are assembly-dependent and apply to the complete wall system; trim components are non-structural accessories.

EASYTRIM® REVEALS – LAP TRIM SYSTEM PROFILES



Performance characteristics are assembly-dependent and apply to the complete wall system. EasyTrim® Reveals components are non-structural trim accessories.

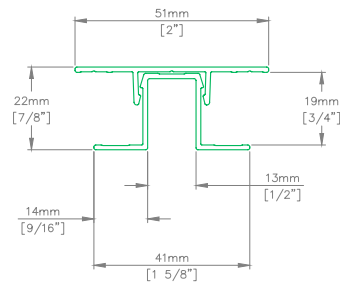
ATTACHMENT

Clips & Connectors

Plank Clip · Plank Connector · Plank Backer · Window Corner Key · Bold Starter Corner Key

Fasteners

3/4" metal screw
1-1/2" metal screw
1-1/2" wood screw



EZ 38 2-PIECE OUTSIDE CORNER

TECHNICAL SPECIFICATIONS

PHYSICAL DATA

Material 6063-T6 Extruded Aluminum
Thickness 0.050 in (1.27 mm) ± tolerance
Finish Clear Anodized, Black Anodized, Primed, Factory ColorMatch®

Warranty 15-year Product Warranty

Length 10'-0" (3048 mm)

Weight (lbs/sqft) ~0.50

TESTING

Fire Rating

Non-Combustible Class A Non-Combustible by ASTM E136 / CAN/ULC-S114

Standards & Environmental

Aluminum: ASTM B221
Anodizing: AAMA 611
Environmental: Aluminum recyclable; EPD & HPD available

Performance

Rainscreen: Compatible with drained & ventilated assemblies

Pressure Equalized / AAMA 508: Assembly-level only; not applicable to trim alone

Wind Resistance: Assembly-dependent

Water Resistance: Assists with water management; not waterproof

Impact Resistance: Provides Lap edge protection

⚠ Refer to individual profile cut sheets for detailed dimensions and tolerances.

DESIGN RESOURCES



CAD DETAILS



SPEC CLAUSES



INSTALLATION
GUIDE



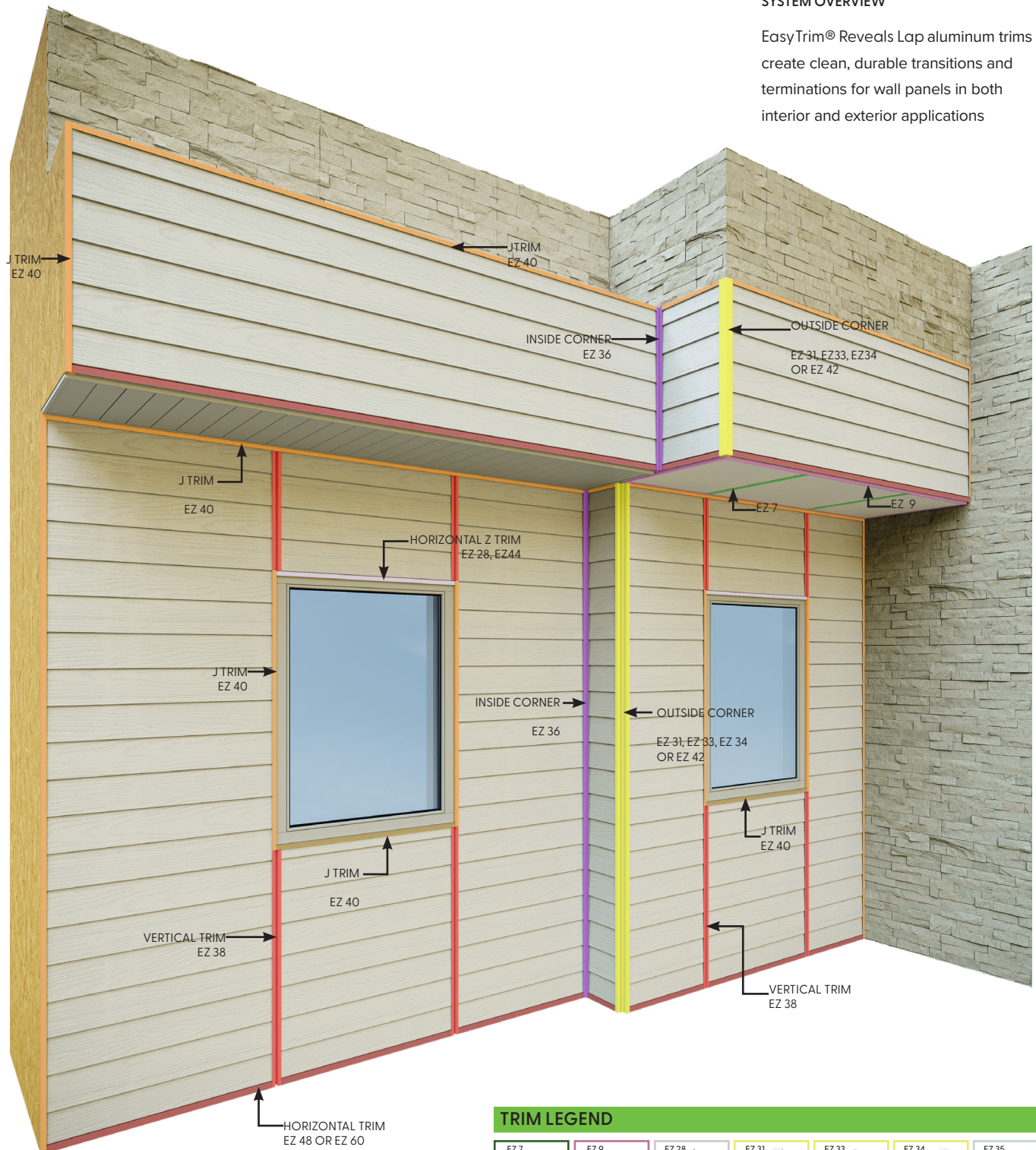
SCAN TO ACCESS
DRAWINGS, DETAILS &
MORE.

4.4. TYPICAL TRIM SYSTEM APPLICATION DIAGRAM

EasyTrim® Reveals – 3/4" Lap Trim System

SYSTEM OVERVIEW

EasyTrim® Reveals Lap aluminum trims create clean, durable transitions and terminations for wall panels in both interior and exterior applications



NOTES

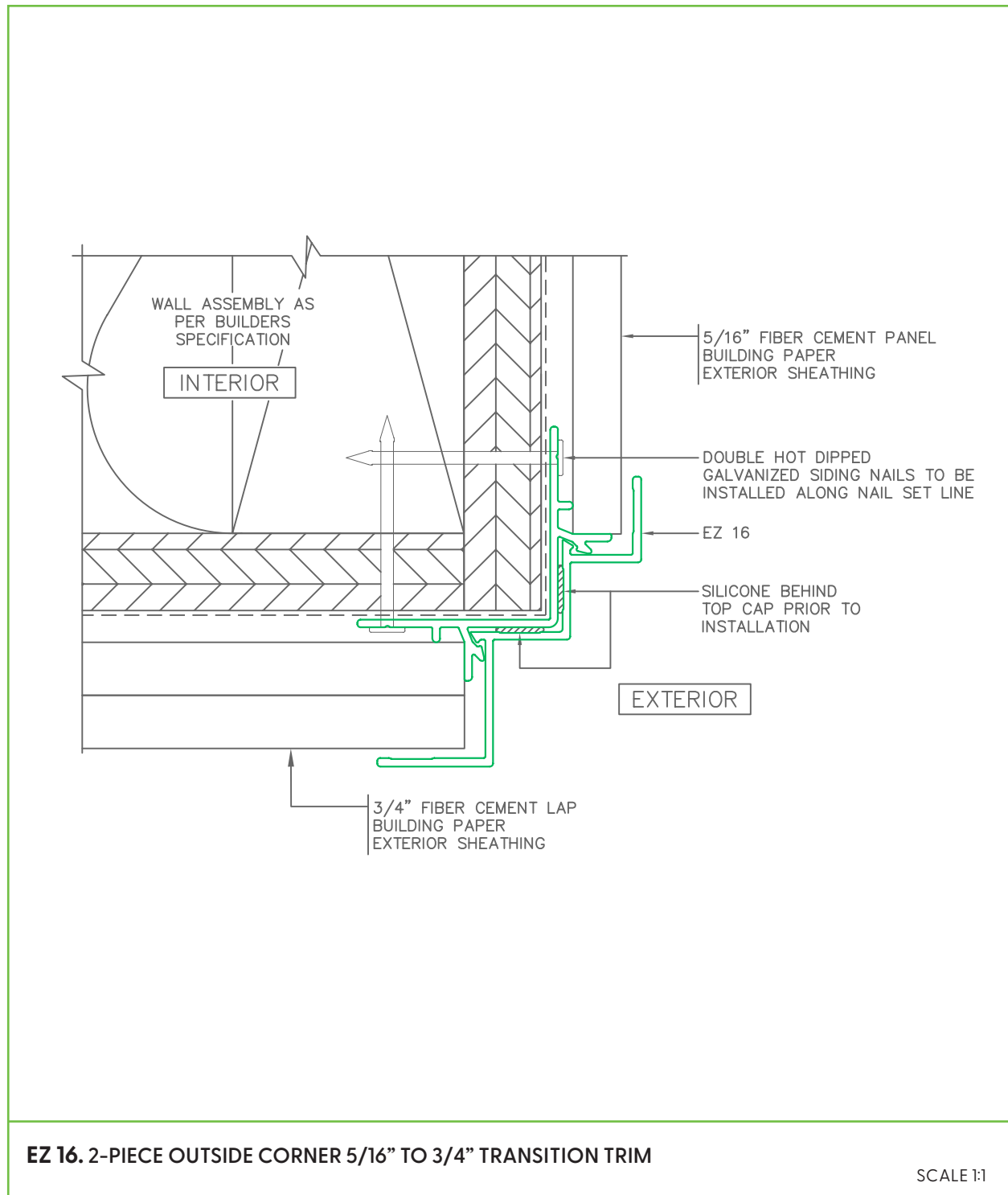
- Refer to product catalog for full dimension and material specifications.
- All trims are available in standard finishes to match project requirements.
- Install in accordance with EasyTrim installation guidelines.

TRIM LEGEND



4.5. TYPICAL DETAILS

EasyTrim® Reveals – 3/4" Lap Trim System

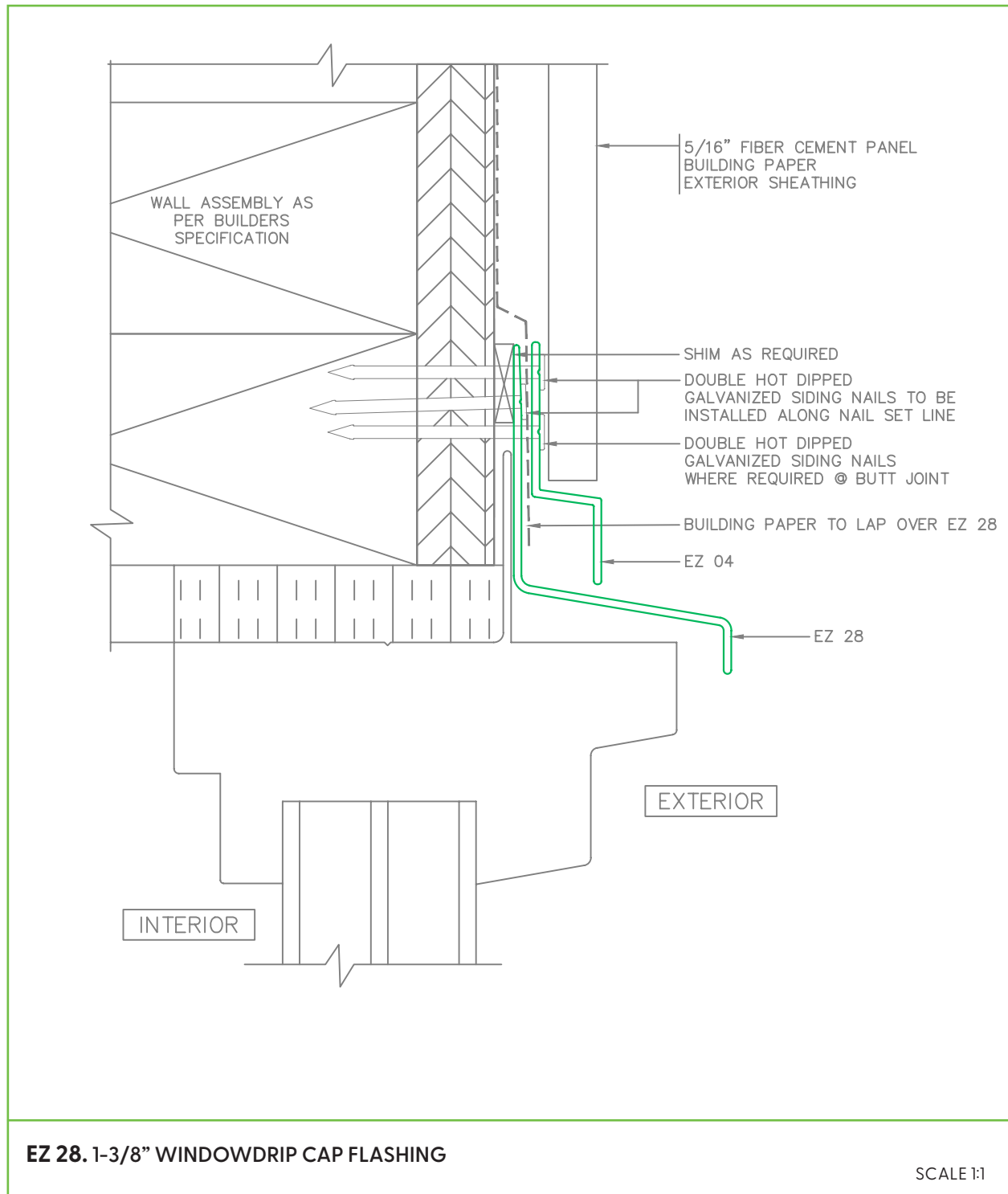


Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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4.5. TYPICAL DETAILS

EasyTrim® Reveals – 3/4" Lap Trim System

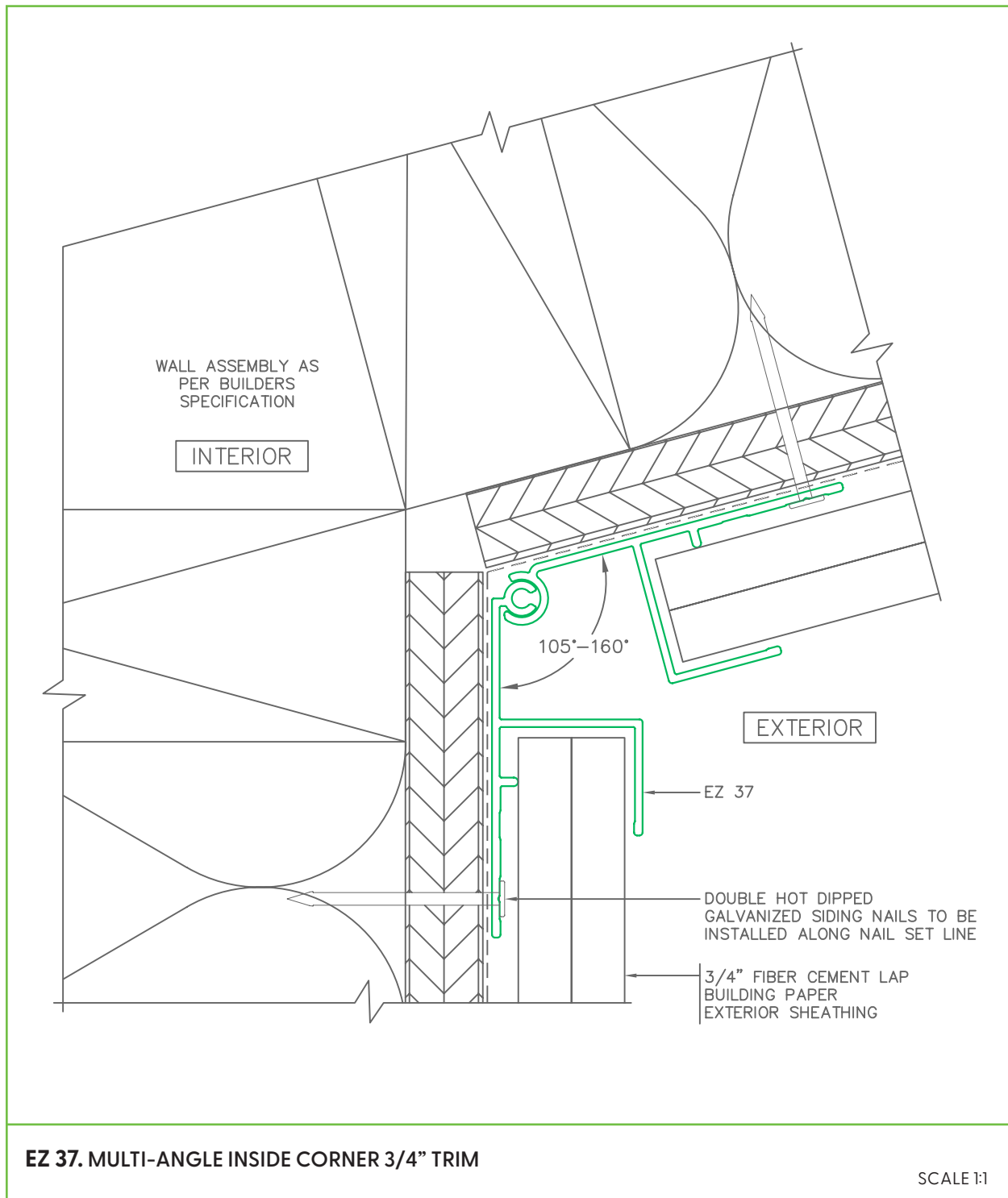


Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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4.5. TYPICAL DETAILS

EasyTrim® Reveals – 3/4" Lap Trim System

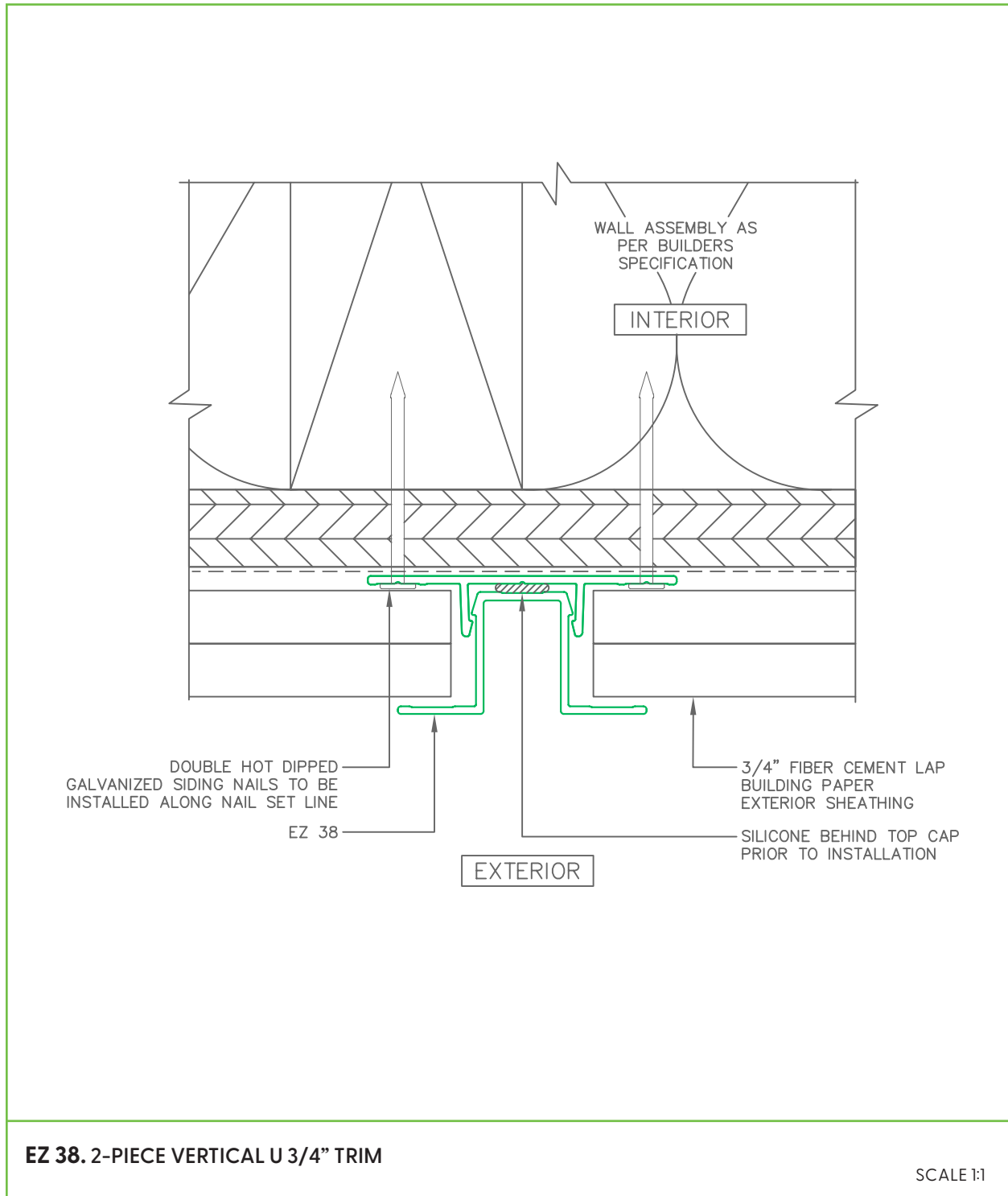


Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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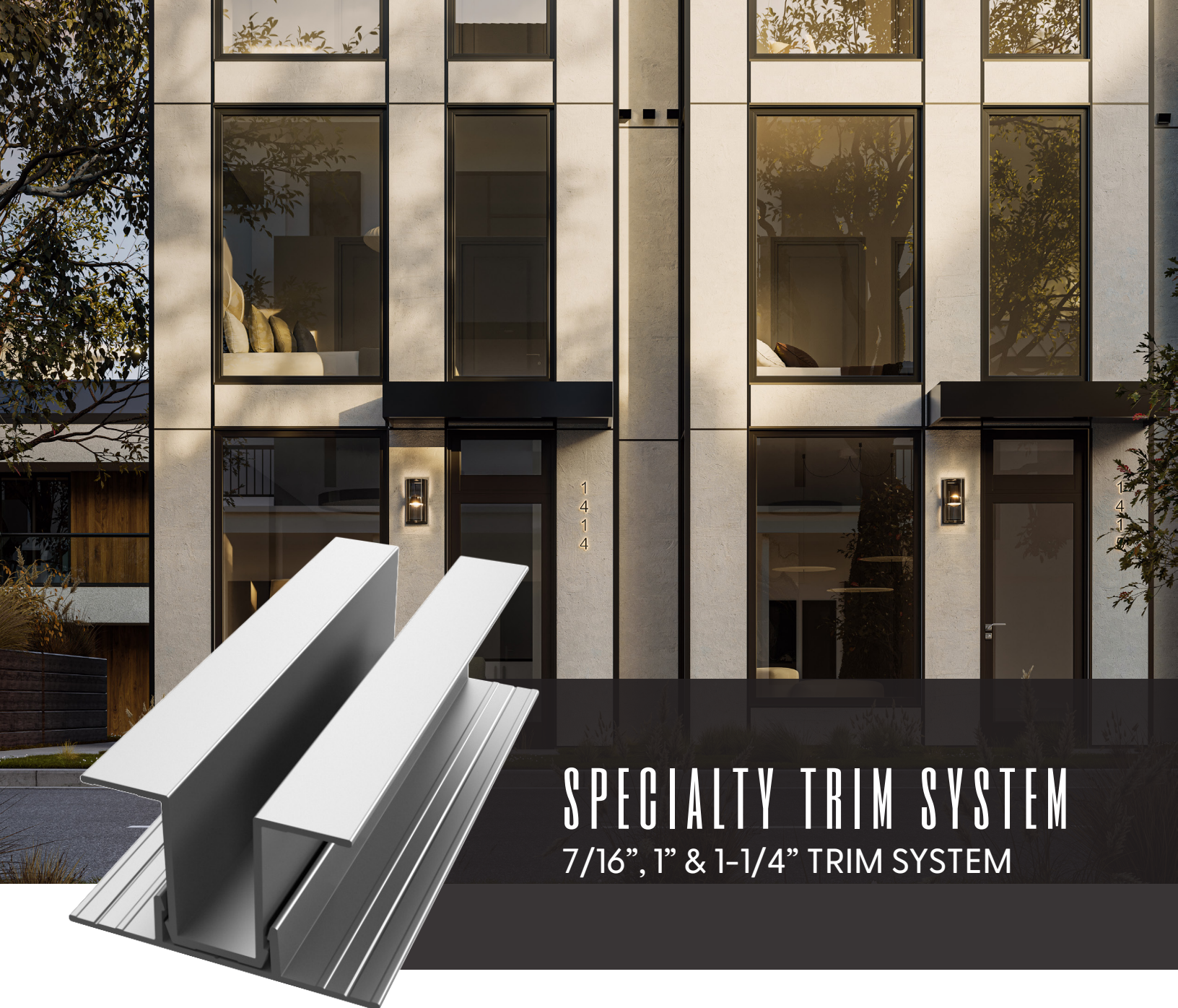
4.5. TYPICAL DETAILS

EasyTrim® Reveals – 3/4" Lap Trim System



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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SPECIALTY TRIM SYSTEM

7/16", 1" & 1-1/4" TRIM SYSTEM

5.0. EasyTrim® Reveals – Specialty Aluminum Trim System

- 5.1. 7/16", 1" & 1-1/4" Trim System Overview
- 5.2. 7/16", 1" & 1-1/4" Trim System Profile Legend
- 5.3. 7/16", 1" & 1-1/4" Trim System Cut Sheets
- 5.4. 7/16", 1" & 1-1/4" Trim System Application Diagram
- 5.5. 7/16", 1" & 1-1/4" Trim System Typical Details



Scan the QR code or visit the link to access additional typical details, supplementary drawings, and system-specific references.

5.1. SPECIALTY SYSTEM OVERVIEW & PRODUCT IDENTIFICATION



EasyTrim® Reveals – Specialty Trim System

SYSTEM OVERVIEW

Manufacturer:	System Name:	Product Line:	Product Type:
EasyTrim® Reveals Engage Building Products	EasyTrim® Reveals – Specialty Trim System	EasyTrim® Reveals	Extruded aluminum trim profiles for specialty exterior cladding applications.

System Scope:

This section applies exclusively to the EasyTrim® Reveals Specialty Trim System and includes specialty profile legends, cut sheets, application diagrams, typical details, and supporting reference information.

PRODUCT IDENTIFICATION

The EasyTrim® Reveals Specialty Trim System is a concealed-fastener extruded aluminum trim system designed for 7/16", 1", and 1-1/4" exterior panel cladding applications. The system provides specialized trim solutions for unique architectural conditions, including transitions, corners, soffits, terminations, and custom façade details.

The system consists of engineered extruded aluminum profiles designed to accommodate thicker panel assemblies while maintaining clean architectural detailing, panel edge protection, and coordinated integration with exterior wall systems.

As a non-structural trim system, EasyTrim® Reveals Specialty profiles are intended for installation as part of a complete wall assembly, including cladding, substrates, weather-resistive barriers, flashings, and associated building envelope components.

System Intent

- The EasyTrim® Reveals Panel Trim System is intended to:
- Accommodate specialty panel thicknesses and custom conditions.
 - Provide clean architectural transitions and terminations.
 - Protect panel edges at corners, openings, and interfaces.
 - Support drainage and movement within the wall assembly.
 - Enhance design flexibility for complex façade applications.

Compatible Applications

- 7/16", 1", and 1-1/4" panel systems
- Exterior cladding assemblies
- Rainscreen and drained wall systems
- Soffits and overhangs
- Architectural transitions and terminations
- Residential, commercial, and institutional construction

System Limitations

- Intended for designated Specialty Trim profiles only.
- Not intended for 5/16" Panel Trim System applications unless specifically detailed.
- Not intended for 3/4" Lap Trim System applications.
- Profiles shall not be mixed with other EasyTrim® Reveals systems unless approved by the manufacturer.

System Configuration

- One-piece and two-piece extruded aluminum profiles.
- Manufactured from 6063-T6 aluminum.
- Available in anodized, primed, and Factory ColorMatch® finishes.
- Standard profile length: 10'-0" (3048 mm), unless noted otherwise.

5.2. PROFILE LEGEND

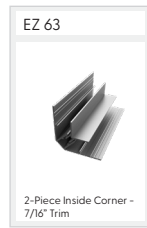
EasyTrim® Reveals – Specialty Advanced Aluminum Trim System

7/16" Specialty Trim System Length: 10'

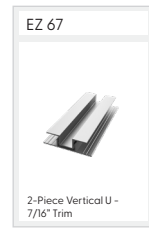
Outside Corner



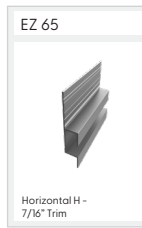
Inside Corner



Vertical Trim



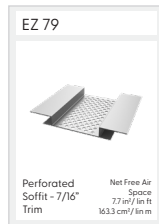
Horizontal Trims



J Trims



Soffit Trims

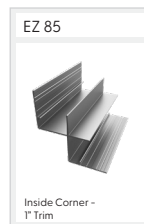


1" Specialty Trim System Length: 10'

Outside Corners



Inside Corner



Vertical Trim



Horizontal Trims

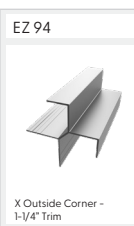


J Trims

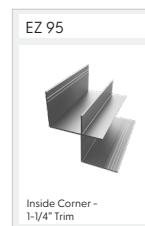


1-1/4" Specialty Trim System Length: 10'

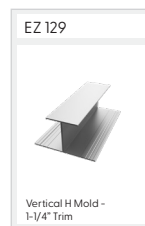
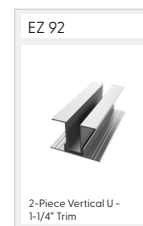
Outside Corners



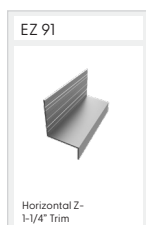
Inside Corners



Vertical Trims



Horizontal Trims



J Trims



Universal Trims Length: 10'

Window Flashing



Starter Strip



5.3. CUT SHEET

EasyTrim® Reveals – Specialty Advanced Aluminum Trim System

PRODUCT OVERVIEW

The EasyTrim® Reveals Specialty Trim System is a concealed-fastener extruded aluminum trim system for 7/16", 1", and 1-1/4" panel cladding, providing clean transitions and design flexibility for specialty applications.

KEY BENEFITS

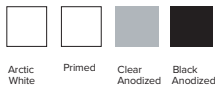
- ✓ Multiple panel thicknesses
- ✓ Design flexibility
- ✓ Clean detailing
- ✓ Concealed fasteners
- ✓ Durable aluminum

SYSTEM COMPATIBILITY

- ✓ 7/16", 1", & 1-1/4" panels
- ✓ Exterior cladding
- ✓ Rainscreen assemblies
- ✓ Vertical & horizontal layouts
- ✓ Residential & commercial applications

FINISH OPTIONS

STANDARD FINISHES



POWDER PERFECT SERIES



CUSTOM COLOR WITH COLORMATCH®

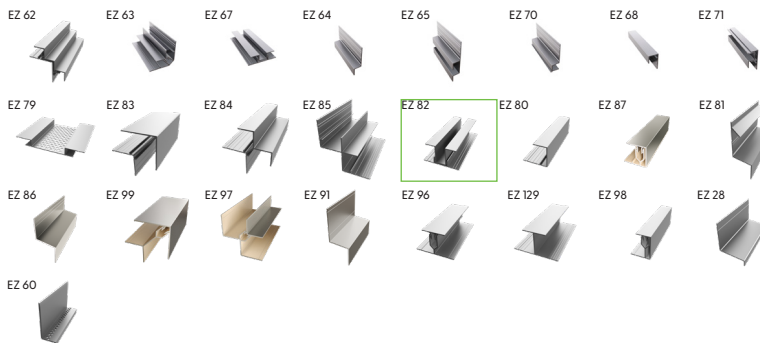


Special Order and Custom Colors: lead time varies depending on project specifics and needs.



Performance characteristics are assembly-dependent and apply to the complete wall system; trim components are non-structural accessories.

EASYTRIM® REVEALS – PANEL TRIM SYSTEM PROFILES



Performance characteristics are assembly-dependent and apply to the complete wall system. EasyTrim® Reveals components are non-structural trim accessories.

ATTACHMENT

Clips & Connectors

Plank Clip · Plank Connector · Plank Backer · Window Corner Key · Bold Starter Corner Key

Fasteners

3/4" metal screw
1-1/2" metal screw
1-1/2" wood screw

ⓘ Refer to individual profile cut sheets for detailed dimensions and tolerances.

DESIGN RESOURCES



CAD DETAILS



SPEC CLAUSES



INSTALLATION
GUIDE



SCAN TO ACCESS
DRAWINGS, DETAILS &
MORE.

PRODUCT

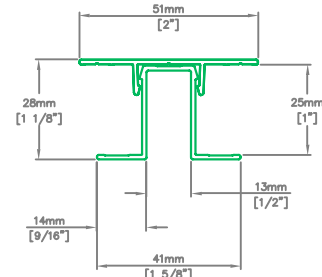
EasyTrim® Reveals

DOCUMENT

Spec Sheet

CATEGORY

Reveal Trim



EZ 82 2-PIECE VERTICAL U 1" TRIM

TECHNICAL SPECIFICATIONS

PHYSICAL DATA

Material: 6063-T6 Extruded Aluminum
Thickness: 0.050 in (1.27 mm) ± tolerance
Finish: Clear Anodized, Black Anodized, Primed, Factory ColorMatch®

Warranty

15-year Product Warranty

Length

10'-0" (3048 mm)

Weight (lbs/sqft)

~0.50

TESTING

Fire Rating

Non-Combustible: Class A Non-Combustible by ASTM E136 / CAN/ULC-S114

Standards & Environmental

Aluminum: ASTM B221
Anodizing: AAMA 611
Environmental: Aluminum recyclable; EPD & HPD available

Performance

Rainscreen: Compatible with drained & ventilated assemblies

Pressure Equalized / AAMA 508:

Assembly-level only; not applicable to trim alone

Wind Resistance: Assembly-dependent

Water Resistance: Assists with water management; not waterproof

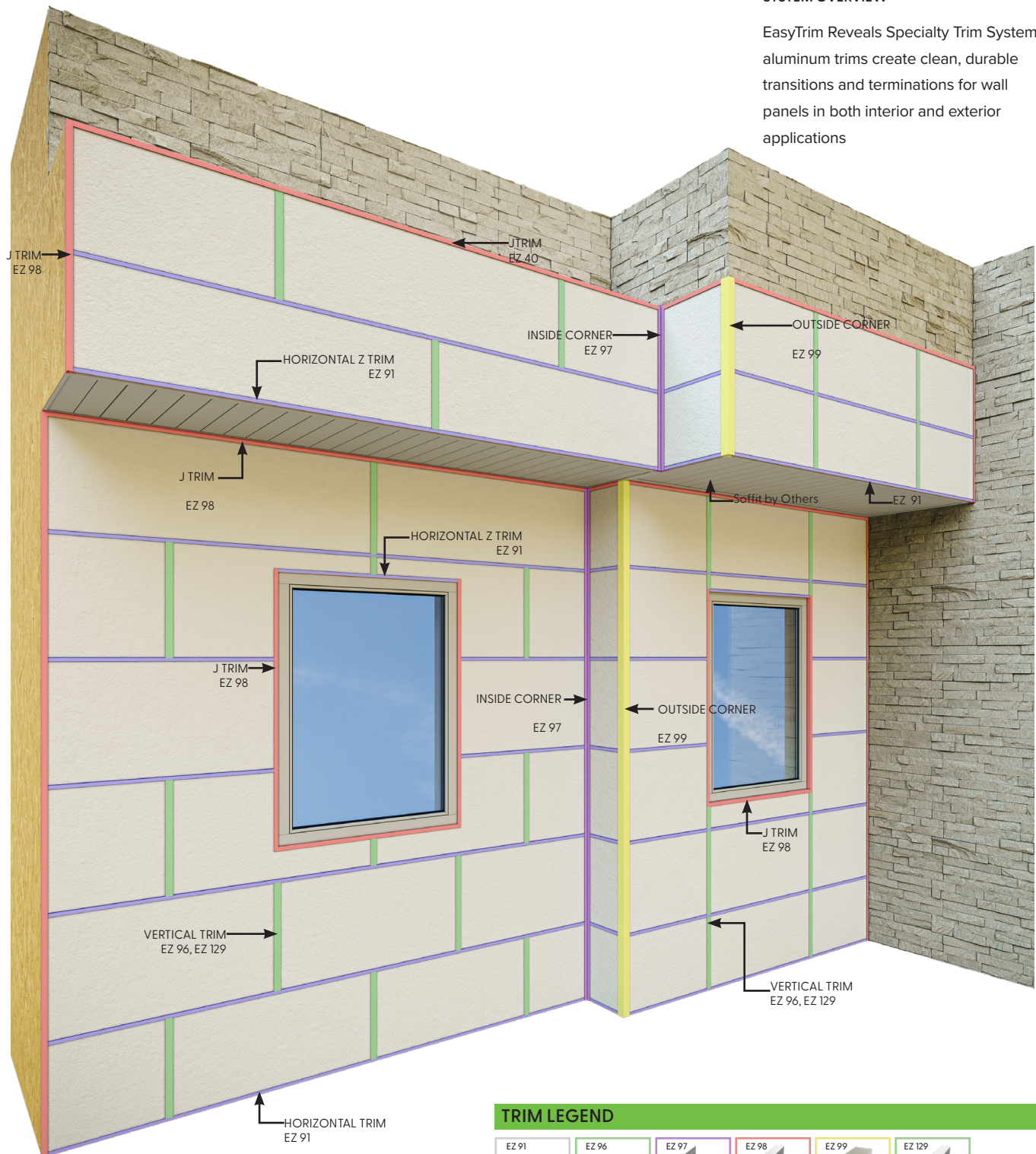
Impact Resistance: Provides Lap edge protection

5.4. SPECIALTY TRIM SYSTEM APPLICATION DIAGRAM

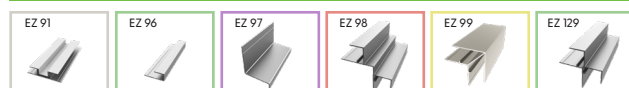
EasyTrim® Reveals – Specialty Advanced Aluminum Trim System

SYSTEM OVERVIEW

EasyTrim Reveals Specialty Trim System aluminum trims create clean, durable transitions and terminations for wall panels in both interior and exterior applications



TRIM LEGEND



NOTES

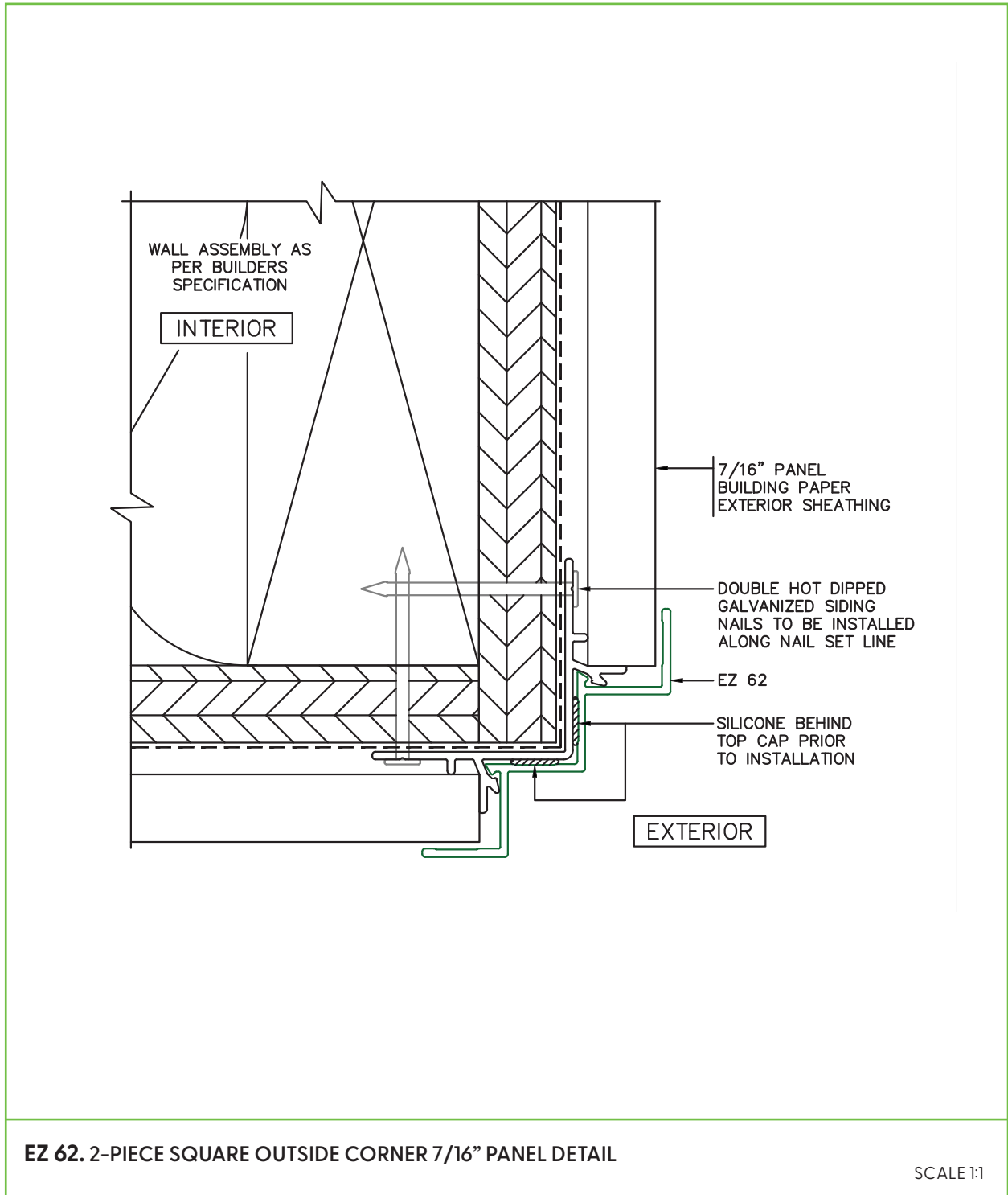
Refer to product catalog for full dimension and material specifications.

All trims are available in standard finishes to match project requirements.

Install in accordance with EasyTrim installation guidelines.

5.5. TYPICAL DETAILS

EasyTrim® Reveals – Specialty Advanced Aluminum Trim System

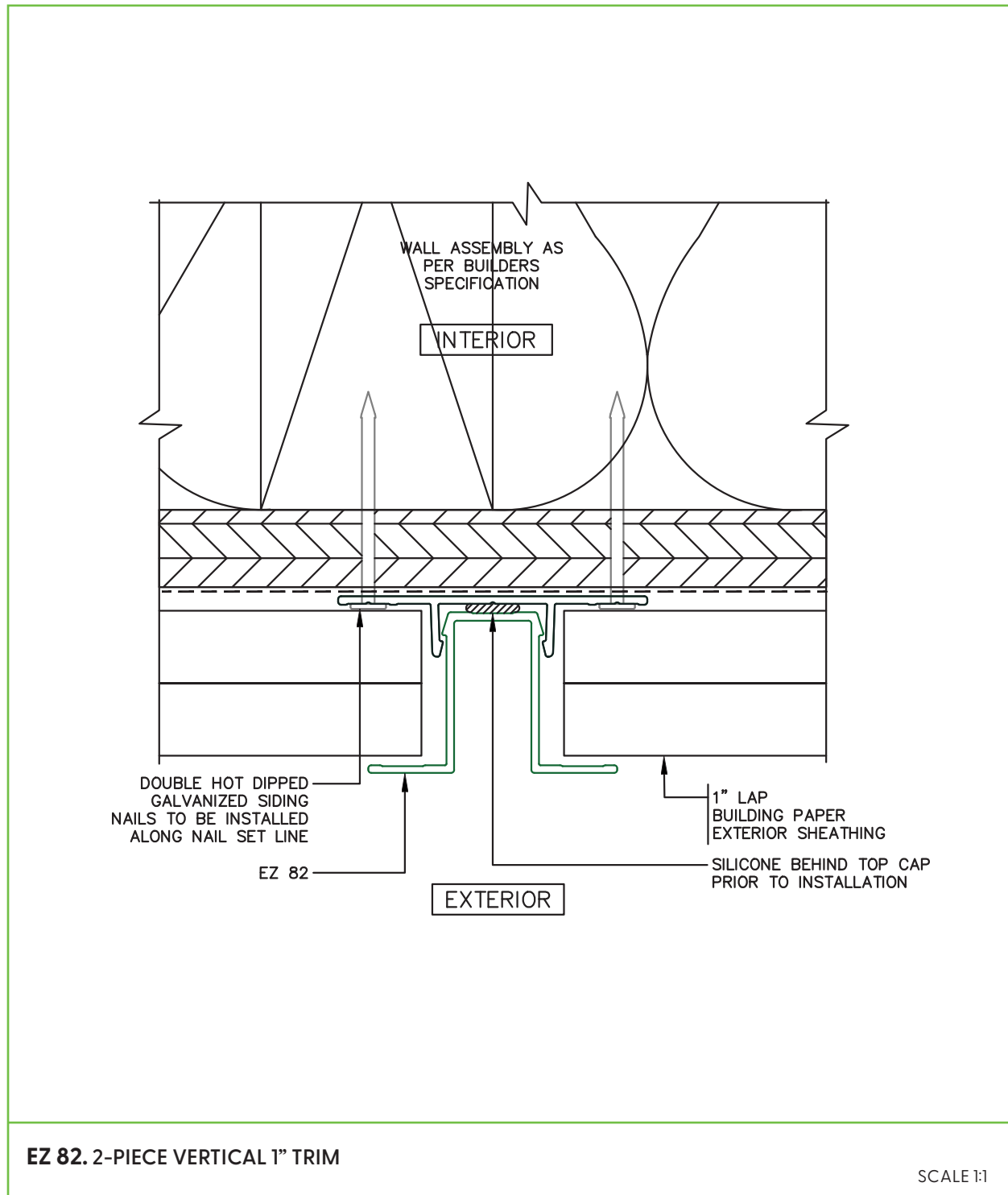


Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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5.5. TYPICAL DETAILS

EasyTrim® Reveals – Specialty Advanced Aluminum Trim System

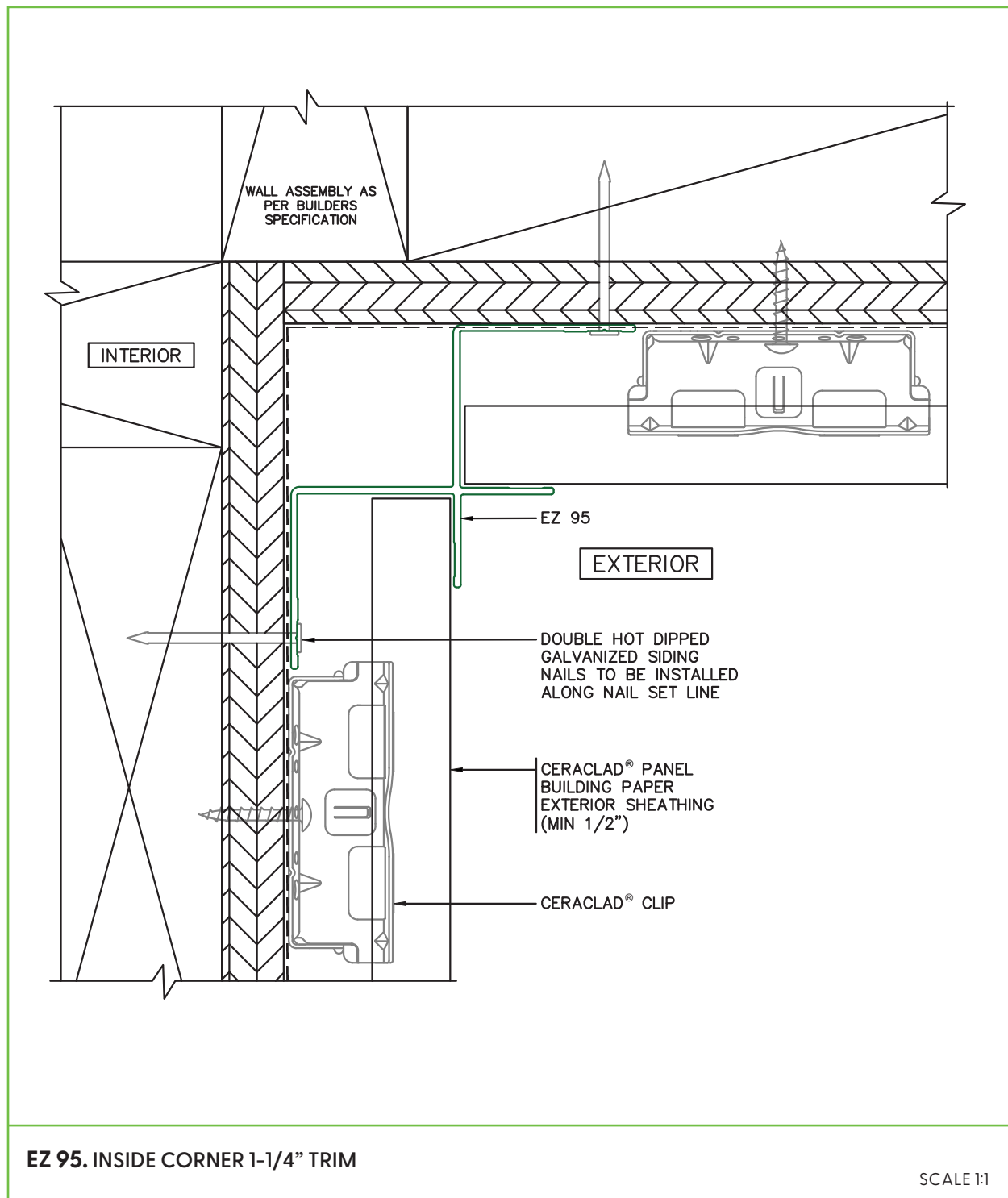


Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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5.5. TYPICAL DETAILS

EasyTrim® Reveals – Specialty Advanced Aluminum Trim System



Details illustrate typical trim profiles and interface conditions. Verify project-specific requirements.

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ENGAGE BP SPEC NOTE: The purpose of this guide specification is to assist the specifier in correctly specifying aluminum siding products and their installation. The specifier needs to edit the guide specifications to fit the needs of specific projects. Contact Engage Building Products to assist in appropriate product selections and for detailing assistance. Red text in brackets indicates a selection needs to be made.

PART 1 - GENERAL

1.1 GENERAL PROVISIONS

- A. Attention is directed to the CONTRACT AND GENERAL CONDITIONS and all Sections within DIVISION 01 - GENERAL REQUIREMENTS which are hereby made a part of this Section of the Specifications.

ENGAGE BP SPEC NOTE: Select the desired profile specific to project and delete the other indicated profiles. Where more than one profile or size is selected coordinate with drawings for clarity.

1.2 DESCRIPTION OF WORK

- A. Provide design and engineering, labor, material, equipment, related services, and supervision required, including, but not limited to, manufacturing, fabrication, erection, and installation for the Work of this section, including but not limited to the following:
1. Wall panel trim [5/16 inch (8 mm)] [7/16 inch (11 mm)] [3/4 inch (19 mm)] [1 inch (25 mm)] [1-1/4 inch (32 mm)] and accessories.
 2. Faced panel trim [5/16 inch (8 mm)] [7/16 inch (11 mm)] [3/4 inch (19 mm)] [1 inch (25 mm)] [1-1/4 inch (32 mm)] and accessories.
 3. Siding trim [7/16 inch (11 mm)] [3/4 inch (19 mm)] [1 inch (25 mm)] [1-1/4 inch (32 mm)] and accessories.
- B. A. Furnish and install EasyTrim® Reveals Aluminum Trim Systems including:
1. Panel Trim System – 5/16 inch (8 mm)
 2. Lap Trim System – 3/4 inch (19 mm)
 3. Mono Design Look System
 4. Streamline Design Look System
 5. Specialty Trim Systems
 6. Transition Trim Systems
 7. Universal Flashing and Ventilation Components
 8. Related accessories required for complete installation

1.3 REFERENCES

- A. General: The publications listed within form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only. The edition/revision of the referenced publications shall be the latest date as of the date of the contract documents, unless otherwise specified.

B. American Architectural Manufacturers Association (AAMA):

1. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum.
2. AAMA 2603 - Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels.
3. AAMA 2605 - Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.

C. ASTM International (ASTM):

1. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
2. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.

D. US Green Building Council: LEED v 4.1

1.4 SUBMITTALS

A. Submit under provisions of Section 01 30 00 - Administrative Requirements.

B. Product Data: Sufficient information to determine compliance with the Drawings and Specifications.

1. Manufacturer's information sheets marked to include products proposed for use. This includes, but is not limited to, construction details, material descriptions, dimensions of individual components and profiles, and finishes for trim and accessories.
2. Storage and handling recommendations.

C. Shop Drawings: For each product and accessory required.

1. Include information not fully detailed in manufacturer's standard product data, including, but not limited to:
 - a. Installation layouts of trim and accessories
 - b. Details: Edge conditions, joints, profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.
 - c. Accessories: Include details of the flashing, trim, and anchorage, at a scale of not less than 1-1/2 inches [38 mm] per 12 inches [305 mm].
 - d. Distinguish between factory- and field-assembled work.

D. Samples:

1. For initial color selection.
2. For aluminum trim indicated with factory-applied color finishes.
3. Finishes Involving Normal Color Variations: Include samples showing the full range of variations expected.
4. Exposed Sealants: Each type and color required. Install joint sealants in 1/2-inch-wide joints formed between two 6-inch-long strips of material matching the appearance of metal panels adjacent to joint sealants.

ENGAGE BP SPEC NOTE: When project is pursuing a sustainable rating system, retain Sustainable Design Submittal paragraph and edit to correspond to the specific Project requirements. Modify based on rating system being pursued.

E. LEED v 4.1 Submittals: Provide documentation of how the requirements of Credit will be met:

1. Product Data for Credit MR 2.1 and 2.2: For products being recycled, documentation of total weight of project waste diverted from landfill.
2. Product Data for Credit MR 4.1 and MR 4.2: For products that have recycled content, documentation including percentages by weight of post-consumer and pre-consumer recycled content.
3. Include statement indicating costs for each product having recycled content.
4. Product Data for Credit MR 5.1 and Credit MR 5.2: Submit data, including location and distance from Project of Material: manufacturer and point of extraction, harvest, or recovery for main raw material.
5. Include statement indicating cost for each regional Material: and the fraction by weight that is considered regional.

1.5 QUALITY ASSURANCE

A. Qualifications:

1. Installer Qualifications: An employer of workers trained and approved by manufacturer.
 - a. A minimum of 5 years of experience, and has completed systems similar in material, design, and extent to that indicated for the Project and with record of successful performance.
 - b. Installer's Responsibilities: Include fabricating and installing metal panel assemblies and providing professional engineering services needed to assume engineering responsibility.

B. Regulatory Requirements: Comply with applicable requirements of the laws, codes, ordinances, and regulations of Federal, State, and local authorities having jurisdiction.

1. Obtain necessary approvals from such authorities.

C. Mock-Ups: Build mockups to verify selections made and to demonstrate aesthetic effects and to set quality standards for fabrication and installation.

1. Demonstrate prepared substrate, support/attachment framing, siding façade with aluminum trim, exterior finishes, and aesthetic appearance.
2. Confirm mock-up conforms with manufacturer's instructions and provisions of contract documents.
3. To be accepted in writing by architect or general contractor before commencement of work.

1.6 DELIVERY, STORAGE AND HANDLING

A. Deliver materials to the project site in Supplier's or Manufacturer's original wrappings and containers, labeled with Supplier's or Manufacturer's name, material or product brand name, and lot number, if any.

B. Materials Storage: Store in original, undamaged packages and containers, inside a well-ventilated area protected

from weather, moisture, soiling, extreme temperatures, and humidity.

1. Unload and store trim and accessories in a manner to prevent bending, warping, twisting, and surface damage.
2. Trim and Accessories:
 - a. Stack trim and accessories off floor on pallets or similar platforms providing continuous support to prevent sagging. Stack accessories so that long lengths are not over short lengths.
 - b. Cover with suitable weathertight and ventilated covering.
 - c. Ensure dryness, with positive slope for drainage of water.
 - d. Do not store in contact with other materials that might cause staining, denting, or other surface damage.
 - e. Do not allow storage space to exceed 120 degrees F (67 degrees C).
 - f. Handling: Prevent damage to surfaces, edges, and ends of aluminum trims. Reject and remove damaged Material: from site.

1.7 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of metal composite material panels to be performed according to manufacturers' written instructions and warranty requirements.
- B. Field Measurements: Verify locations of structural members and wall opening dimensions by field measurements before trim fabrication and indicate measurements on Shop Drawings.
 1. Established Dimensions: Where field measurements cannot be made without delaying the Work, either establish framing and opening dimensions and proceed with fabricating metal panels without field measurements or allow for field adjustment of trim. Coordinate wall construction to ensure that actual building dimensions, locations of structural members, and openings correspond to established dimensions.

1.8 COORDINATION

- A. Coordination: Coordinate trim and accessories systems with rain drainage work, flashing, siding and/or wall panels and construction of walls and other adjoining work to provide a leak proof, secure, and non-corrosive installation.

1.9 WARRANTY

- A. Manufacturer's limited 15-year warranty.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Acceptable Manufacturer: Engage Building Products Phone: 1-877-973-8746v URL: www.engagebp.com; Email: info@engagebp.com

ENGAGE BP SPEC NOTE: Select one of the following options and delete options not required on the Project.

- a. Substitutions: [Approved equals.] [Not permitted.] [Submit as specified in accordance with appropriate sections in Division 01.] [In accordance with Section 01 60 00.]

2.2 DESIGN / PERFORMANCE REQUIREMENTS

A. Allowable tolerances in horizontal planes:

- 1. Allowable Deviation from Specified Length: 10 ft; +1/4 inch, -0 inches.

B. Allowable tolerances in framed vertical construction.

- 1. Position: +1/4 inch maximum variation from design position.
- 2. Alignment: 1/8 inch in 8 ft; 1/4 inch maximum in any continuous wall, line, or surface.

2.3 MATERIALS AND FINISH

A. Extruded Aluminum Shapes: ASTM B221, 6063-T6 0.050 inches [1.27 mm] +/-0.005 inches (0.13 mm).

B. Fasteners: Aluminum, stainless steel, or compatible non-corrosive Material.

C. All profiles are 10'-0" [3048 mm] long unless otherwise indicated.

ENGAGE BP SPEC NOTE: EasyTrim has many color options available. Select from the options below and delete the unselected options.

ENGAGE BP SPEC NOTE: Select one of the following finish and color options and delete the others.

D. Finish: Anodized Finish.

- 1. Satin Clear 10 / Aluminum Association Specification: AA-M12C22A31.

- a. Architectural Class II. Minimum 10μ (0.4 mil) coating.

- 2. Black 18 / Aluminum Association Specification: AAM12C22A44

- a. Architectural Class II – Minimum 18μ (0.7 mil) coating.

E. Finish: Primed.

- 1. Primer: Oven baked, PPG Duracon 100 Beige Primer. For site paint application with high-quality acrylic latex paint or factory pre-finished with high-quality acrylic latex paint or powder coat.

F. Finish: ColorMatch® Pre-Finished Custom Color: Factory applied high-quality acrylic latex paint.

1. Air dried and cured.

ENGAGE BP SPEC NOTE: Delete the following trim systems and trim profiles that are not required.

ENGAGE BP SPEC NOTE: Contact manufacturer for assistance in choosing Trim options.

2.4 PANEL TRIM SYSTEM, 5/16 INCHES [8 mm]

A. Basis of Design: 5/16 inch [8 mm] Trim System: For wall panels and faced panels.

1. Extruded Aluminum Alloy per ASTM B221, 6063-T6: 0.050 inches [1.27 mm] +/-0.005 inches [0.13 mm].
2. Dimensions: As indicated on the Drawings.

B. Basis of Design: 5/16 to 3/4 inch [8 to 19 mm] Transition Trim System: For wall panels and faced panels.

2.5 UNIVERSAL TRIMS

A. Basis of Design: Universal Horizontal Trims:

2.6 LAP TRIM SYSTEM, 3/4 INCHES [19 mm]

A. Basis of Design: 3/4 inch [19 mm] Trim System: For 5/16 inch [8 mm]. Lapped Siding or less than 3/4 inch [19 mm] thick wall or faced panels.

2.7 SPECIALTY TRIM SYSTEM, 7/16 INCHES [11 mm]

A. Basis of Design: 7/16 inch [11 mm] Trim System: For wall panels, faced panels, and siding.

1. Extruded Aluminum Alloy per ASTM B221, 6063-T6. 0.050 inches +/-0.005 inches.
2. Dimensions: As indicated in the Drawings.

2.8 SPECIALTY TRIM SYSTEM, 1 INCH [25 mm]

A. Basis of Design: 1 inch [25 mm] Trim System: For 7/16 inch [11 mm] Lapped Siding or less than 1 inch [25 mm] thick Wall or Faced Panels.

1. Extruded Aluminum Alloy per ASTM B221, 6063-T6. 0.050 inches +/-0.005 inches.
2. Dimensions: As indicated on the Drawings.

2.9 SPECIALTY TRIM SYSTEM, 1-1/4 INCHES [32 mm]

A. Basis of Design: 1-1/4 inch [32 mm] Trim System: For 5/16 inch [8 mm]. Lapped Siding or less than 3/4 inch (19

mm) thick wall or faced panels.

1. Extruded Aluminum Alloy per ASTM B221, 6063-T6. 0.050 inches +/-0.005 inches.
2. Dimensions: As indicated on the Drawings.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Panels: Install in accordance with the latest edition of the manufacturer's Installation Instructions.
- B. EasyTrim® Reveals: Install in accordance with the Installation Guide Aluminum Trim System for Panel & Lap Siding.

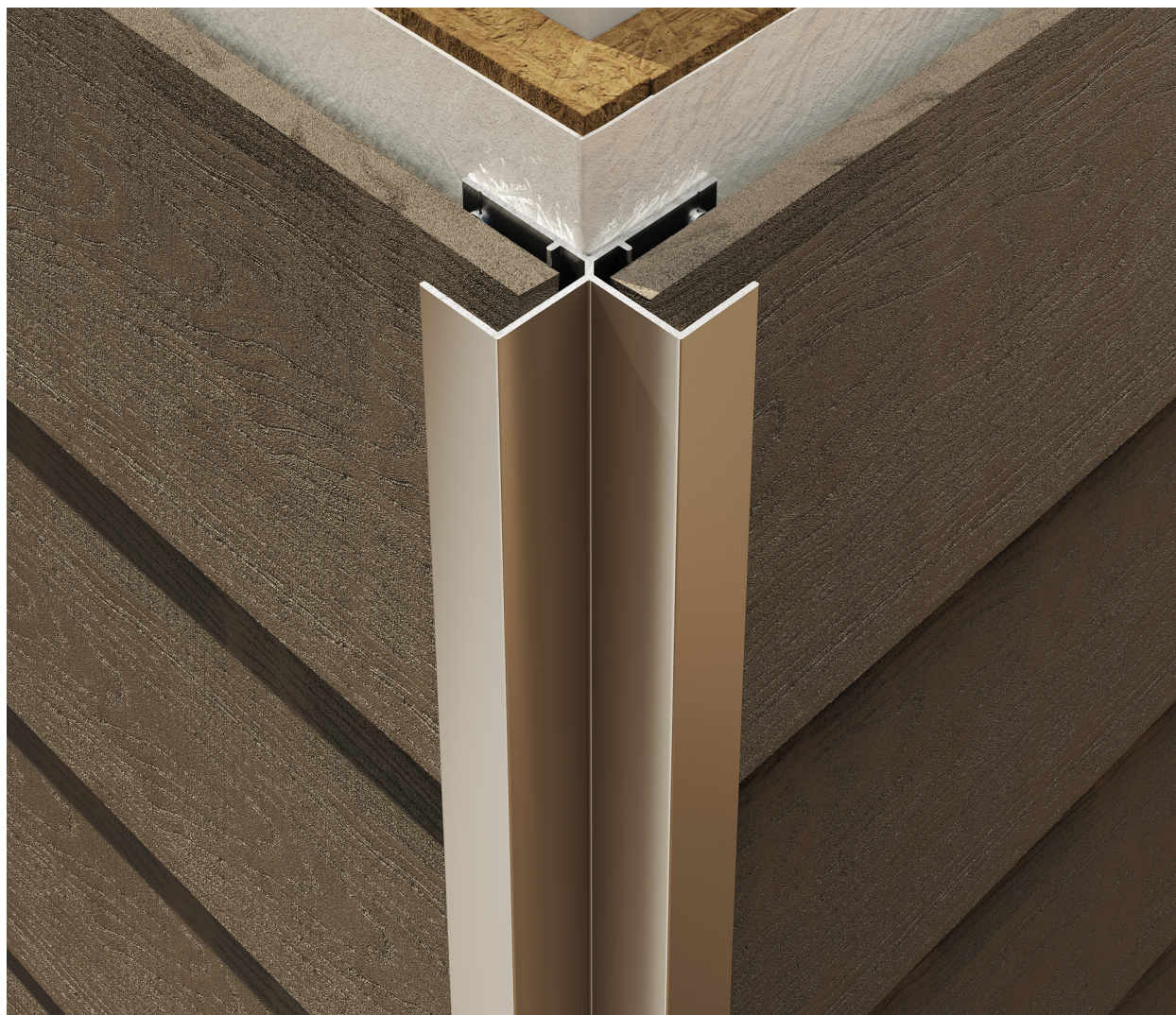
3.2 SPECIAL CONSIDERATIONS AND BEST PRACTICES

- A. Never install the General J trim horizontally in a manner that may allow the J trim to collect water.
- B. Never install any vertical trims horizontally in a manner that may allow them to collect water.
- C. Install cut edges of panels and/or planks at door and window openings, and at intersections with other material. Seal cut edges of panels and/or planks according to manufacturer's recommendations.
- D. EasyTrim® Reveals are not to be used as a primary form of through wall or wall penetration flashings and are not designed to replace flashings that are required by local building codes or the buildings envelope engineers, consultants, or architects.

3.3 PROTECTION

- A. Protect EasyTrim® Reveals and accessories from damage until completion of project. Handle trims and accessories as a finished product.
- B. Touch-up, repair or replace damaged products before substantial completion.

END OF SECTION



Typical Lap trim installation condition shown for illustrative purposes only.

7. TYPICAL INSTALLATION GUIDE

EasyTrim® Reveals – Advanced Aluminum Trim System

The following illustrations show the typical installation sequence for the EasyTrim® Reveals Lap Trim System. Details are representative and illustrate general trim integration, alignment, and sequencing only.

Actual installation requirements may vary based on project conditions, substrates, Lap cladding systems, and applicable codes. Installation shall comply with project drawings, Lap cladding manufacturer requirements, and the EasyTrim® Reveals Lap Trim System Installation Guide.



Easy trim How to

For additional installation steps and details, scan the QR code.

EasyTrim® Reveals – Advanced Aluminum Trim System

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EasyTrim® Reveals – Advanced Aluminum Trim System

IMPORTANT NOTICE – EASYTRIM REVEALS® LAP TRIM SYSTEM

Failure to follow the instructions in this guide may void the EasyTrim® Reveals Lap Trim System warranty.

This guide applies only to the EasyTrim® Reveals Lap Trim System. Review all instructions before installation. For questions, conflicts, or project-specific conditions, contact info@engagebp.com. Installation requirements may vary depending on wall assembly, Lap type, substrate conditions, and applicable building codes. Any deviation from this guide must be reviewed and approved by EasyTrim® Reveals.

Installation shall be performed by qualified installers with standard carpentry experience. All work must follow accepted safety practices. Refer to the applicable EasyTrim® Reveals Safety Data Sheets (SDS) for additional safety information.

KEY INSTALLATION REQUIREMENTS

1. Review and understand all EasyTrim® Reveals Lap Trim System components before starting work.
2. Plan installation layout, sequencing, and material usage prior to installation.
3. Confirm all installers have reviewed this guide before beginning work.
4. Install trim components in the sequence shown in this guide.
5. Use appropriate personal protective equipment (PPE), including gloves, safety glasses, hearing protection, steel-toe boots, and hard hat.
6. Store all trim components in a clean, dry, and protected area.
7. Verify fit, alignment, and clearances prior to fastening.
8. After installation, remove protective film and clean finished surfaces.

MATERIAL RECEIVING AND INSPECTION

Upon delivery, inspect all EasyTrim® Reveals Lap Trim System components, including trim extrusions and accessories, to confirm materials are undamaged and match the approved order and shop drawings.

Record any shipping or packaging damage on the delivery documentation and notify the distributor immediately.

The receiving party is responsible for submitting freight claims to the carrier within 24 hours of delivery.

Report any defective or non-conforming materials to the distributor prior to installation.

7.2 FEATURES

EasyTrim® Reveals – Advanced Aluminum Trim System

The EasyTrim® Reveals Lap Trim System is an extruded aluminum trim system designed to integrate with lapped exterior cladding assemblies. The system provides controlled joint definition, edge protection, and compatibility with drained wall assemblies while supporting consistent installation and alignment.

- ✓ Integrated Moisture Management
- ✓ Hidden Fasteners
- ✓ Caulk-Free Connections
- ✓ Transition Lap to Plank
- ✓ Clean Window & Corner Lines
- ✓ Fastest & Easiest Install Available
- ✓ Free Samples
- ✓ Complete Two piece Trim System



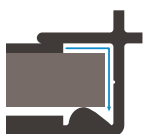
EZ.Lock®

Two piece trims ensure maximum edge protection and significantly speed up the installation process by providing open “tab-free” areas to quickly place fiber cement on the wall.



EZ.Fit&Finish™

No sharp edges. EasyTrim® Reveals overlapping trims create smooth transitions at the corners and high traffic areas.



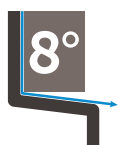
EZ.Bump®

EZ.Bump® protects fiber cement cut edges and building envelope.



EZ.Line®

Each profile has a fastening guide called the EZ.Line®– located on the fastening flange of back plates.



EZ.Slope®

EasyTrim® Reveals 8° sloped reveals sheds water, dirt and debris down and away from the building.



ColorMatch®

EasyTrim® Reveals are only limited by your imagination, offer a wide-range of standard color options, and can easily accommodate custom colors.

INSTALLATION SUPPORT

Installation guidance is available to support proper sequencing, coordination with the wall assembly, and conformance with manufacturer requirements. Installation support does not replace the responsibility of the installer to comply with project specifications and applicable codes.

Please contact us at 1-877-973-8746 to reach our dedicated Installation Support Team.

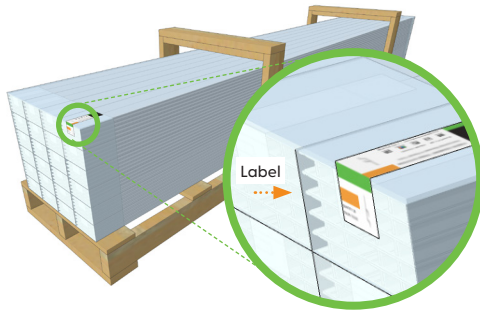


Figure 4.1

PREPARATION

- Comply with all applicable local building codes, project specifications, and approved shop drawings prior to commencing work.
- Ensure a safe work environment is maintained at all times in accordance with applicable safety regulations and site-specific requirements, including the use of appropriate personal protective equipment (PPE).
- Materials are delivered on pallets (see Figure 4.1). Pallet size may vary depending on order quantity and profile type. All products are individually packaged and labeled by profile type and finish.
- Upon delivery, inspect all materials for damage, defects, finish quality, color accuracy, color consistency, and conformance with the approved trim specifications. Any discrepancies shall be reported prior to installation.
- Verify product labels to confirm that all required components have been received. Each package is labeled for identification.
- One-piece profiles are wrapped and labeled with profile type and finish.
- Two-piece profiles (top caps and back plates) are packaged separately and bundled together. Joint identification labels indicate the corresponding components; contents shall be verified prior to installation.
- Confirm that all required tools and equipment are available, in proper working condition, and suitable for aluminum trim installation.
- All aluminum trim profiles are supplied in standard 10 ft [3048 mm] lengths and are manufactured from solid extruded aluminum.

CLEANING & MAINTENANCE

EasyTrim® Reveals Trim Systems are designed for low maintenance performance. Following installation, trims shall be cleaned as required and receive a basic wash-down on an annual basis to remove surface dirt, airborne contaminants, and environmental residue. Cleaning shall be performed using mild detergent and clean water in accordance with manufacturer recommendations. Abrasive cleaners, harsh chemicals, or tools that may damage the finish shall not be used.

STORAGE & HANDLING

Storage

Aluminum trim profiles may be stored outdoors prior to installation; exposure to normal moisture and temperature conditions will not adversely affect the aluminum material.

Store trims in a manner that prevents distortion, surface damage, or finish abrasion.

Do not stack other materials on top of trim profiles.

Handling

Handle trim profiles carefully to prevent bending, scratching, or finish damage.

Do not slide or drag trims across the ground or against abrasive surfaces.

Lift and carry trims as required to maintain edge integrity and surface finish.



REMINDER

To ensure product performance, follow all installation instructions as well as all applicable building codes. Failure to do so may void the product warranty.

7.4 SAFETY, TOOL & ACCESSORIES

EasyTrim® Reveals – Advanced Aluminum Trim System

PERSONAL PROTECTION EQUIPMENT (PPE)

We recommend the appropriate use and application of the following PPE during installation.

- | | |
|-------------------------|--------------------|
| 1. Steel Toe Boots | 6. Safety Vest |
| 2. Cut Resistant Gloves | 7. Fall Protection |
| 3. Safety Glasses | 8. Dust Mask |
| 4. Hard Hat | 9. First Aid Kit |
| 5. Ear Protection | |



TOOLS & ACCESSORIES

The following general tools will also be required for installation:

- | | |
|--|--|
| 1. Mitre saw + non-ferrous metal cutting blade | 14. Phillips driver bit |
| 2. Track saw with fiber cement cutting blade | 15. Torx driver bit |
| 3. Impact driver / drill | 16. Mini pry bar / glazing bar |
| 4. Siding nailer | 17. Deadblow hammer or rubber mallet |
| 5. Air compressor / air hoses | 18. Tin snips |
| 6. HammerBlock® (available from EasyTrim®) | 19. Framing square |
| 7. Tape measure | 20. Hammer |
| 8. Permanent marker & carpenter's pencil | 21. Needle nose pliers |
| 9. Utility knife | 22. Cut table with styrofoam |
| 10. Extension cords | 23. Pocket laser level |
| 11. 2' 4' 8' levels | 24. A circular saw can be used without a track saw guide rail, but will be less efficient for cutting the Laps |
| 12. Chalk line | |
| 13. Metal drill bit | |



WARNING

Consult your local safety codes and regulations.

7.5 TRIM INFO

EasyTrim® Reveals – Advanced Aluminum Trim System

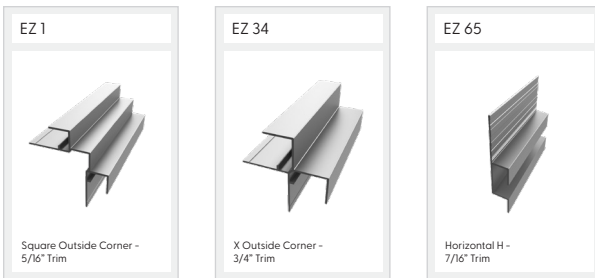
The following guidance is provided to assist designers in selecting trim profiles based on installation method, aesthetic intent, and alignment requirements.

Trim selection should be coordinated with façade composition, desired reveal expression, and construction tolerances.

PROFILE CONFIGURATION

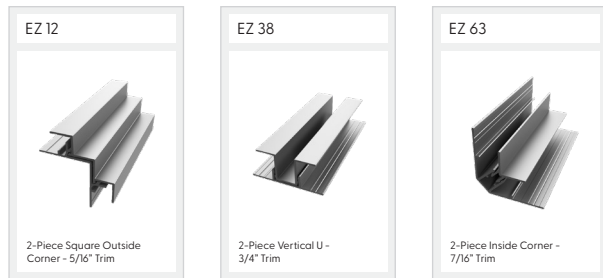
One-piece and multi-piece extruded aluminum profiles engineered for various applications and design requirements.

ONE-PIECE PROFILES



Note: All of our profiles are ten foot (10') lengths.

TWO-PIECE PROFILES



COMPATIBLE SYSTEMS



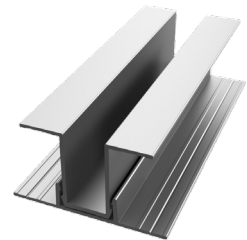
PANEL TRIM SYSTEM (5/16")

For 5/16" panelized cladding applications.



LAP TRIM SYSTEM (3/4")

For 3/4" horizontal and vertical lap siding applications.



SPECIALTY TRIM SYSTEM (7/16", 1", 1-1/4")

For thicker panel applications and custom architectural conditions.

GENERAL NOTES

- EasyTrim® Reveals profiles are non-structural trim components.
- Intended for use as part of a complete exterior wall assembly.
- Verify panel thickness and system compatibility prior to selection.
- Do not mix trim systems unless approved by the manufacturer.
- Refer to installation guides and typical details for project-specific requirements.
- Installation shall comply with accepted industry practices and applicable building codes.

7.6 WALL PREPARATION

EasyTrim® Reveals – Advanced Aluminum Trim System

Follow local building codes for all primary flashing details before commencing EasyTrim® Reveals installation. EZ.28 (shown in Figure 10.1) is an extruded window drip cap flashing.

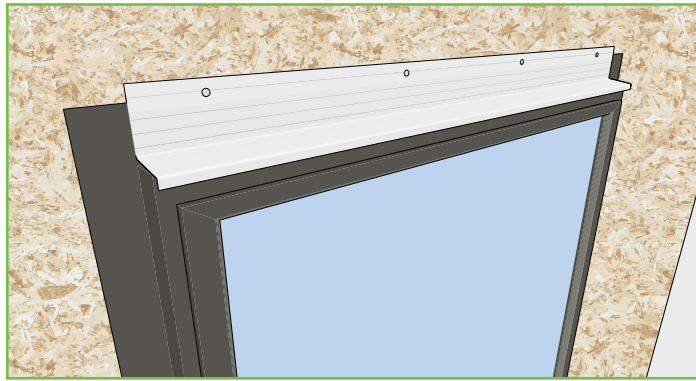


Figure 10.1

Ensure the proper air and water barrier (AWB) has been installed as per your local building code and project specifications (Figure 10.2).

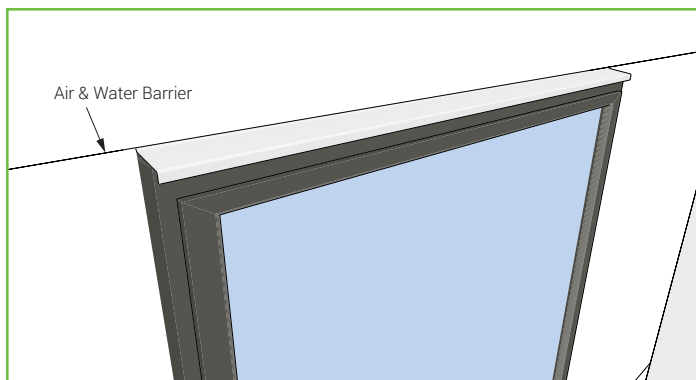


Figure 10.2

Note: If you have questions about your substrate material or alternative substrate fastening scenario Please contact the Installation Support Team at 1-877-973-8746



Identify your substrate material:

- Direct to wood substrate
- Wood furring
- Metal furring (hat track / girts)
- Plastic furring strips

Using Furring Strips

When installing two piece trim profile assemblies on top of furring strips, a continuous furring strip is required to ensure proper engagement of the trims. (Figure 10.3).

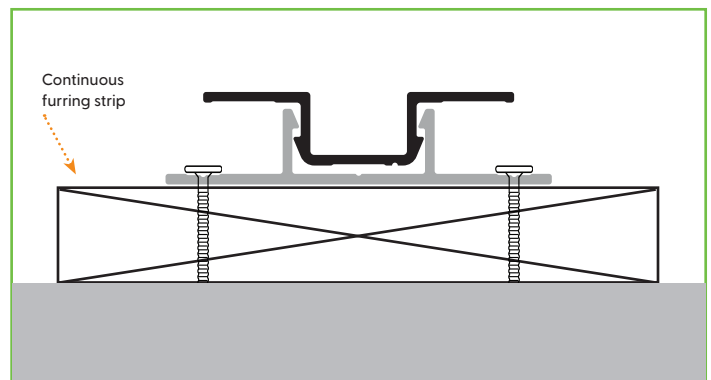


Figure 10.3

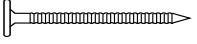
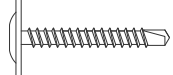
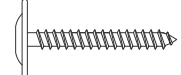


ATTENTION

Refer to your local building codes and project specifications for AWB and primary flashing details.

7.7 FASTENING INFO

EasyTrim® Reveals – Advanced Aluminum Trim System

SUBSTRATE TYPE	
 Wood Nail	Wood
	Nails: 1¼" or greater (based on job requirements), hot-dipped galvanized ring-shank.
 Metal Screw	Metal
	Screws: ¾" or greater (based on job requirements), self-piercing galvanized/stainless low depth head.
 Wood Screw	Wood
	Screws: ¾" or greater (based on job requirements), greater self-tapping, low depth head.

Note: Ensure screw head depth is low enough to allow for Lap to be installed so that it is not under tension. (Figure 11.1).

Where to Place Fasteners

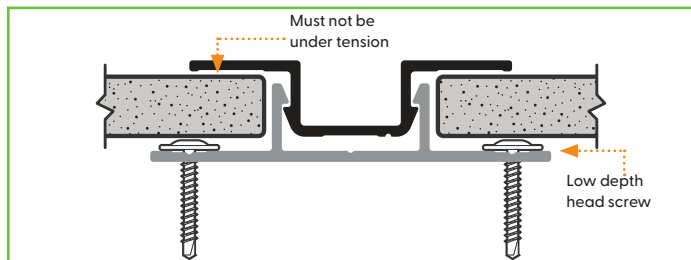


Figure 11.1

Each profile has a fastening guide called the EZ.Line®- located on the fastening flange. (Figure 11.2).

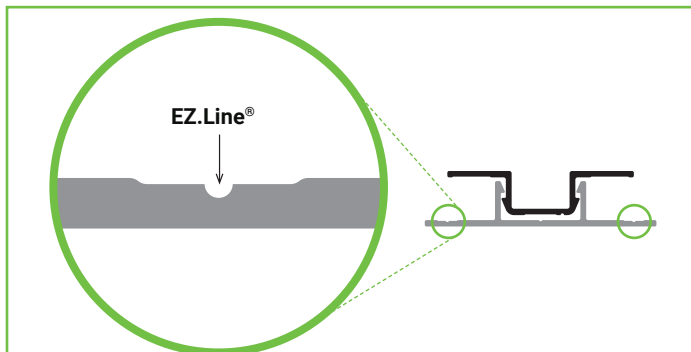


Figure 11.2 Pictured: the EZ.Line® on the EZ.7 Vertical U Lap Assembly back plate.

Fasten at 16" on center and no further than 2" from ends.

On any corner profile or profile with two fastening flanges, alternate the nailing patterns from one flange to the next (Figure 11.3).

Avoid aligning nails to prevent pillowing or buckling of the profile, except at ends. At any end of a trim having two nailing flanges it is recommend to have a nail in each flange no further than 2".

Fasten all vertical and horizontal trims to studs when possible.

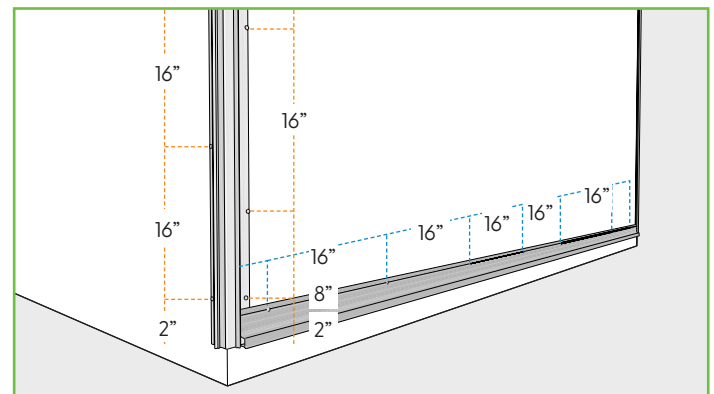


Figure 11.3

Do not fasten two pieces of trim together (Figure 11.4).

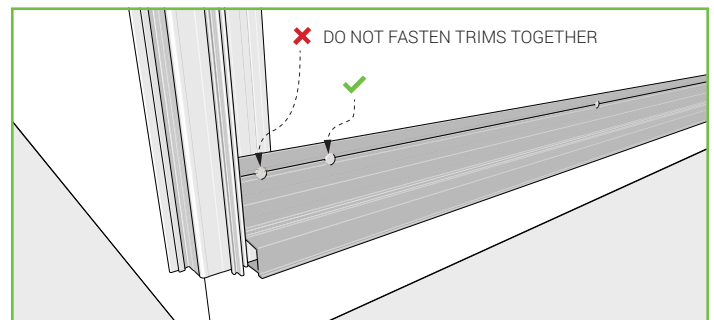


Figure 11.4

Never fasten a Lap or lap plank through a nailing flange. This could result in damaging the Lap over time. (Figure 11.5).

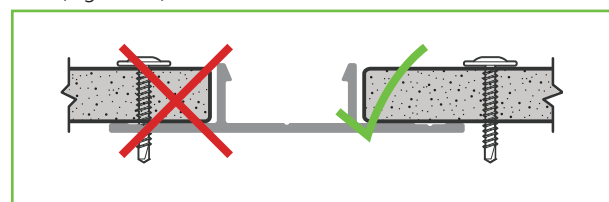
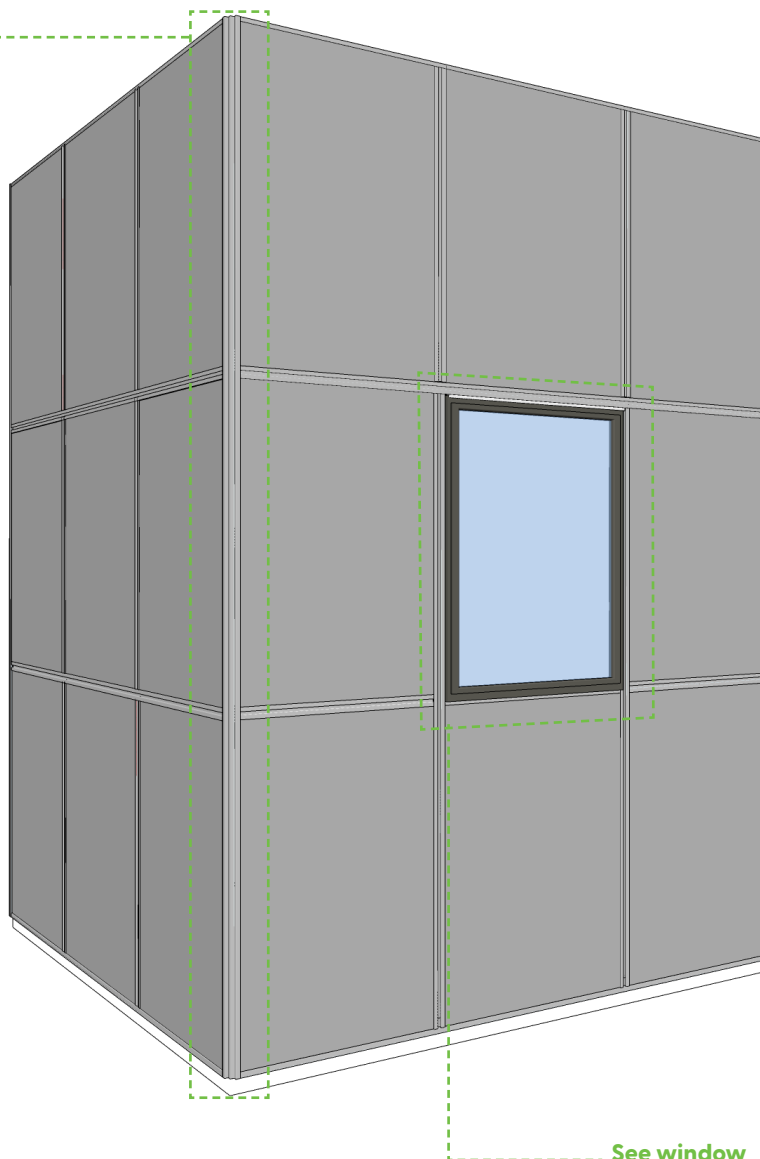


Figure 11.5

See panel
installation from 1
to 18



See window
details 19,20,21

7.9 PANEL INSTALLATION PROCESS

EasyTrim® Reveals – Panel Trim System

This section illustrates the typical installation sequence and trim integration for exterior panel cladding using the EasyTrim® Reveals Panel Trim System.

Details shown represent installation intent only and shall be coordinated with project drawings, panel manufacturer requirements, applicable codes, and the EasyTrim® Reveals Installation Guide.

Easy trim How to



For additional technical specifications, detailed profiles, and expanded system information, please scan the QR code.

1. Confirm grid line layout as per final project (approved) drawings and layout midfield grid lines to align trims to. (Figure 13.1).

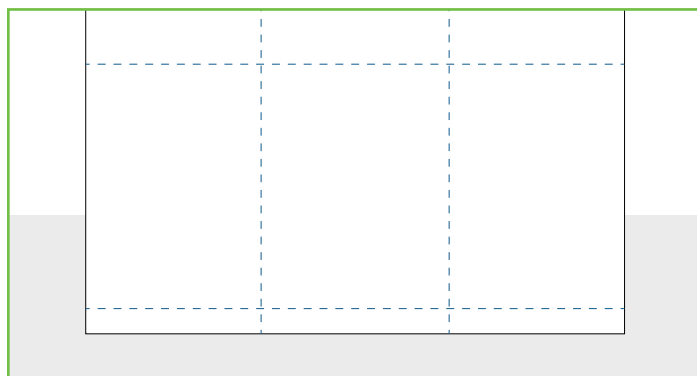


Figure 1.1

3. To cut a panel measure horizontally between the trims and cut $\frac{1}{8}$ " less. (Figure 1.3).

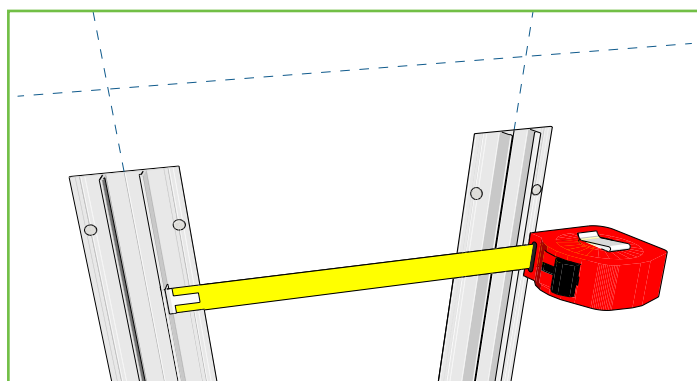


Figure 15.1

2. Place the starter trim over top of the nailing flange of the vertical outside corner leaving a $\frac{1}{16}$ " gap from the EZ.Bump®. Align the bottom edge of the horizontal trim with the bottom of the vertical outside corner. Level and fasten. (Figure 13.4).

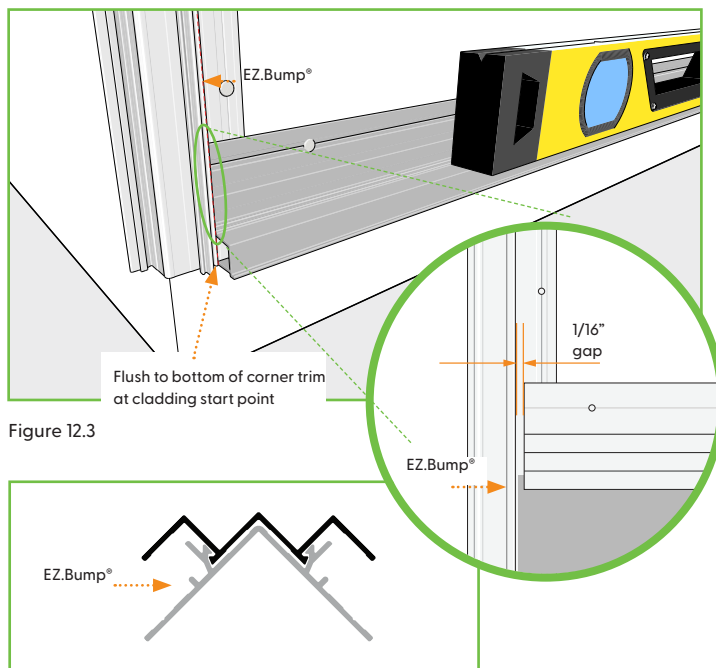


Figure 12.3

4. Fasten the panel's to the wall as per fiber cement manufacturers specifications (Figure 1.4).

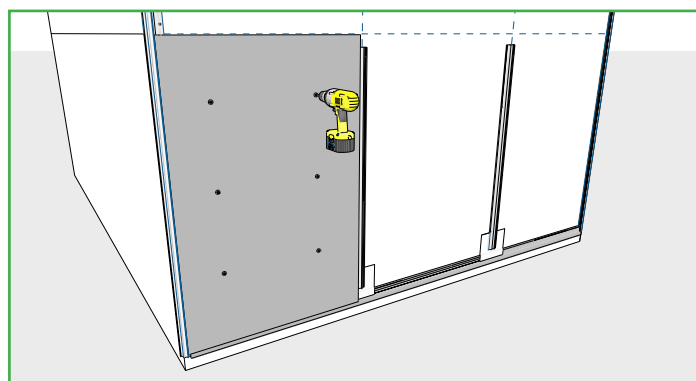


Figure 1.5

Note : Never fasten a panel or lap plank through a nailing flange. This could result in damaging the panel over time. (Figure 15.5) (see Fastening Info).

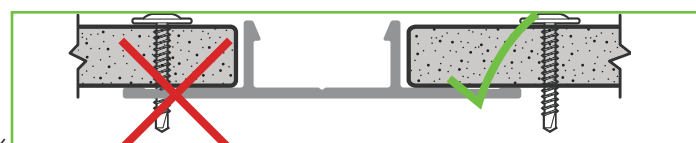


Figure 1.6

5. Install a small dot of exterior silicone into the EZ.Lock® channel of the back plate at 24" intervals (Figure 16.1). This applies to all two piece trims.

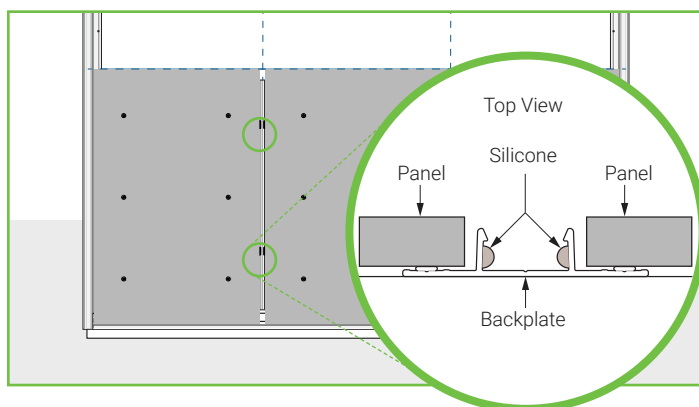


Figure 16.1

6. Install the EZ.5 midfield horizontal by overlapping the bottom tab over top of the top edge of the panel and the ends of the vertical trims. Make sure trim is level and fasten. (Figure 16.3) (See Fastening Info).

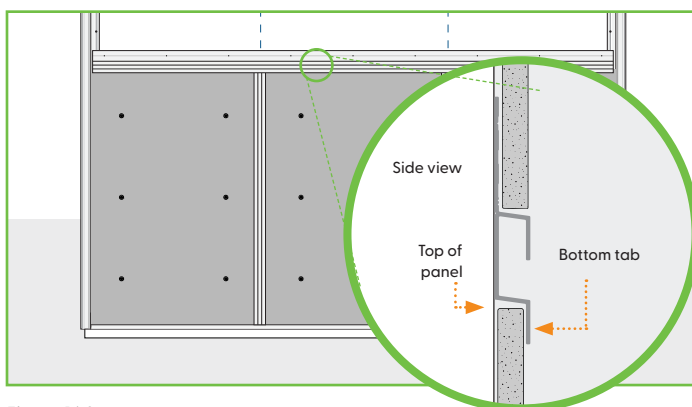


Figure 16.3

7. At the top of the wall use a one piece or two piece J. At the ends of the horizontal J overlap the vertical trims nailing flange with a 1/16" gap from the EZ.Bump®. Keep any midfield vertical back plates away from the horizontals J trims nailing flange by 1/4". (Figure 17.1).

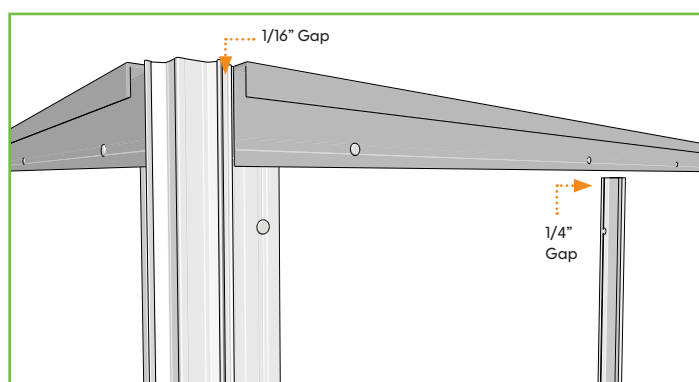


Figure 17.1

8. Align the top cap with the back plate. Place the EasyTrim®Hammer-Block® in the center of the top cap. Hit the HammerBlock® in 8" to 10" increments along the length of the trim from one end to the other. (Figure 17.3).

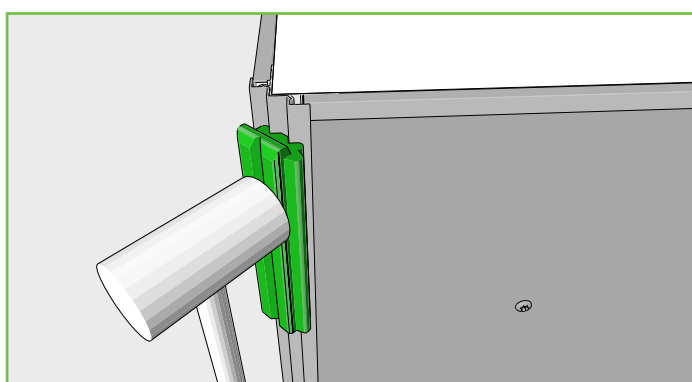


Figure 17.3



INSTALLATION TIP

Corner top caps in most cases are the last trims to install. This is specific to two piece assemblies.

7.10 BASIC PANEL WINDOW DETAILS

EasyTrim® Reveals – Panel Trim System

NOTE: The following instruction is for window and door trim installation with a typical design layout. When installing around a door only use instructions for jambs and head details.

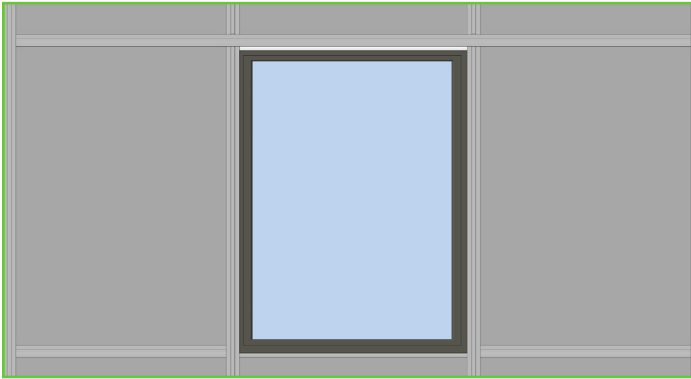


Figure 18.1

9. Apply EZ.19 back plate to both window jambs with the silicone channel butting to the window frame. Align the bottom of the back plate to the bottom edge of the window frame. At the top of window extend the back plate 1/2" above the window flashing (if using flashings with an end dam then extend 1/2" past the top edge of the end dam) and fasten. (Figure 18.3 a & b) (See Fastening Info).

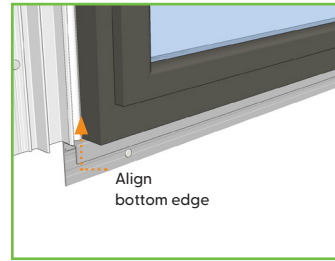


Figure 18.3 a

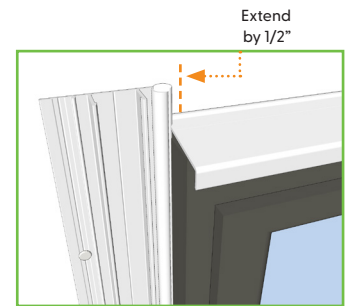


Figure 18.3 b

10. Apply a continuous bead of sealant to EZ.19 back plate caulking channel. (Figure 18.4).

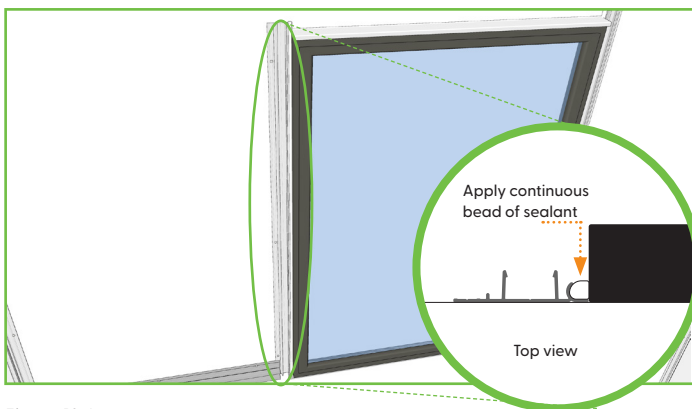


Figure 18.4

11. Cut an EZ.19 / EZ.7 top cap from the top edge of the panel at the top of the window (Figure 19.3 a) down to the outer edge of the horizontal trim that is below the window sill (Figure 19.3 b). The top cap should run from the top of the window down past the sill to the next horizontal course (Figure 19.3 c).

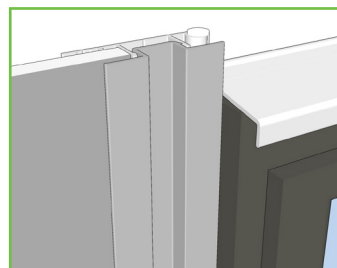


Figure 19.3 a

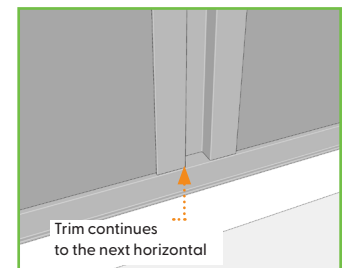


Figure 19.3 b

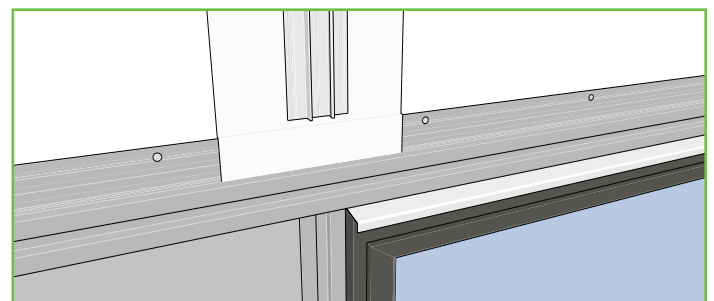
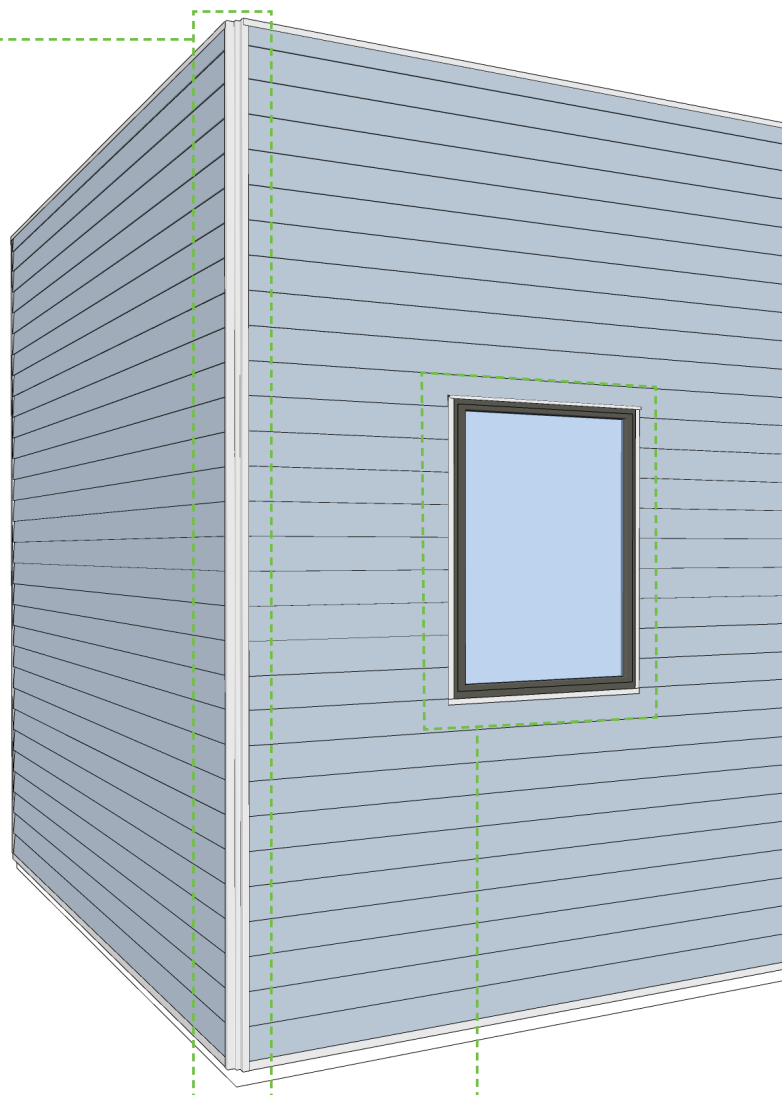


Figure 19.4

See Lap
 installation
 details 1,2,3 and 4



See window
 details 5,6,7 and 8

7.8 TYPICAL LAP INSTALLATION PROCESS

EasyTrim® Reveals – Advanced Aluminum Trim System

The following pages illustrate the typical installation sequence for the EasyTrim® Reveals Lap Trim System, including trim coordination, fastening intent, and lap interface conditions.

Installation shall comply with project drawings, applicable codes, and the EasyTrim® Reveals Installation Guide.



Easy trim How to

For additional installation steps and details, scan the QR code.

1. Place the bottom of the EZ.31 outside corner at the cladding start point and fasten. (Figure 23.1) (see Fastening Info).

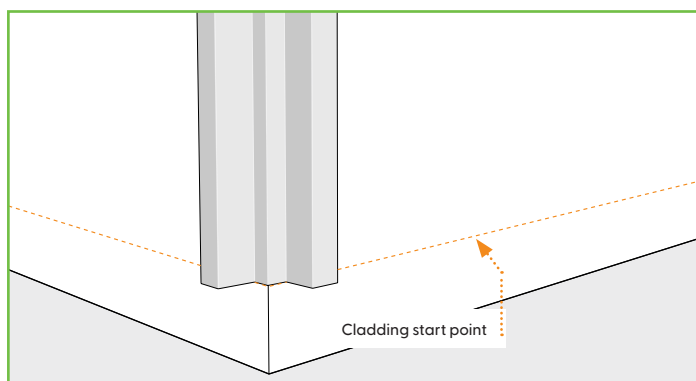


Figure 23.1

3. At the top of the wall apply an EZ.40 J trim and fasten in place. (Figure 23.3) (See Fastening Info).

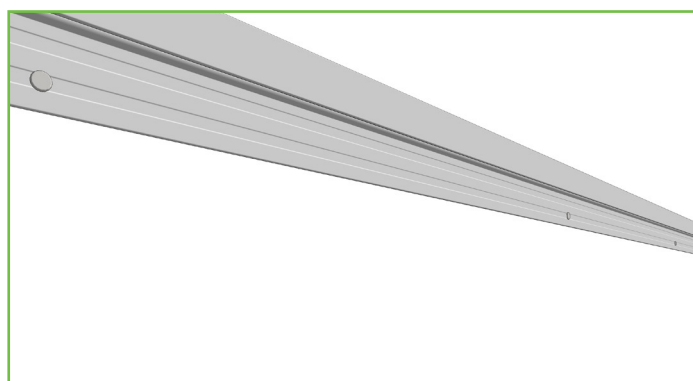


Figure 23.3

2. Place the EZ.48 starter trim over top of the nailing flange of the vertical outside corner, leaving a 1/16" gap from the EZ.Bump®. Align the bottom edge of the horizontal trim with the bottom of the vertical outside corner. Level and fasten. (Figure 23.2).

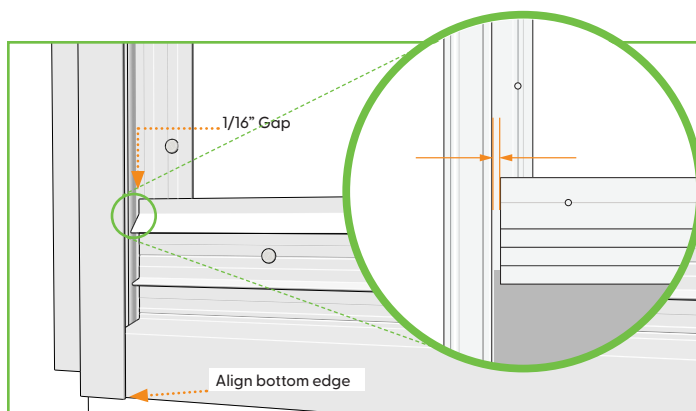


Figure 23.2

4. When an EZ.40 terminates into another trim, notch the end of the EZ.40 3" along the side and then across the nailing flange. Tuck the tab of the EZ.40 under the tab of the intersecting vertical trim. (Figure 23.4 a & b).

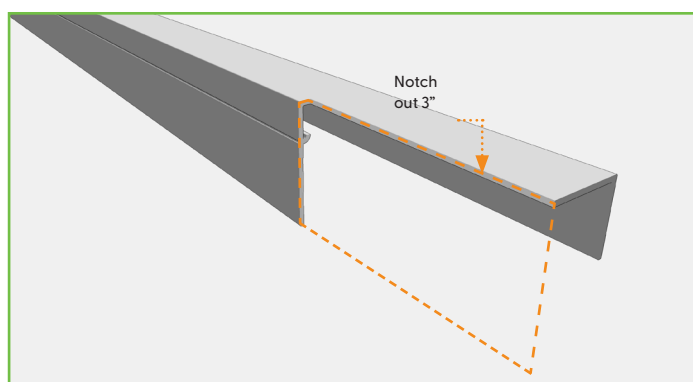


Figure 23.4 a

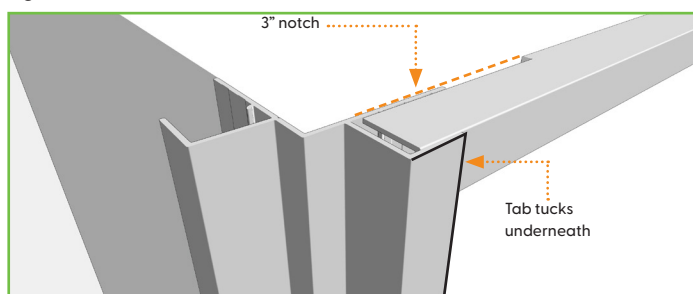


Figure 23.4 b

10.9 BASIC LAP WINDOW DETAILS

EasyTrim® Reveals – Advanced Aluminum Trim System

- 5.** Extend EZ.40 J trim 3/4" past both sides of the window sill (Figure 24.1).
Cut a notch into the edge of both sides of window sill trim flush to window frame.

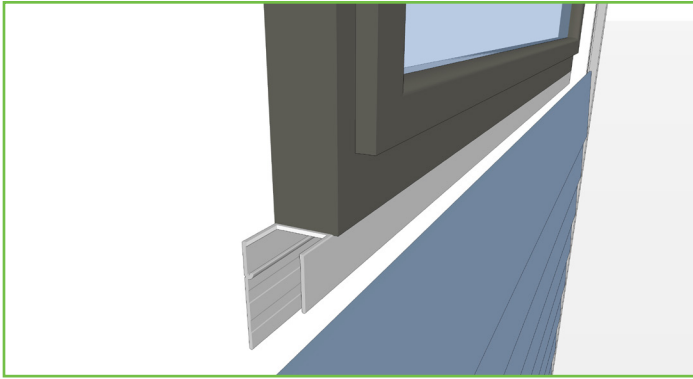


Figure 24.1

- 7.** Extend EZ.40 J trim up past the edge of the window flashing 1/8" (Figure 24.3).

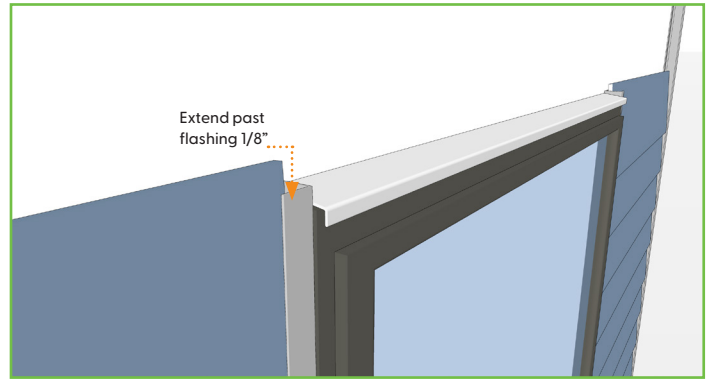


Figure 24.3

- 6.** Install EZ.40 J trim along the jamb so that the bottom butts up to the sill J trim and aligns with the notch previously cut in the sill trim. Then cut and install a lap plank to fit into the sill and jamb trims. (Figure 24.2).

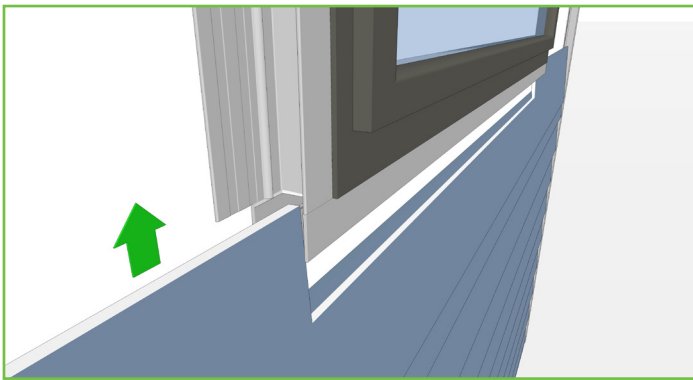


Figure 24.2

- 8.** Cut lap to fit into EZ.40 J trim (Figure 24.4).

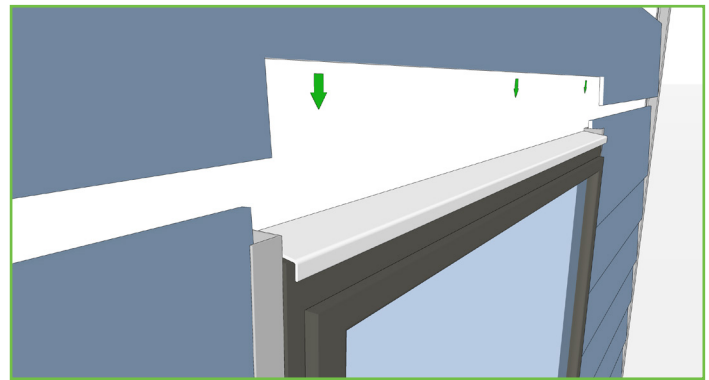


Figure 24.4

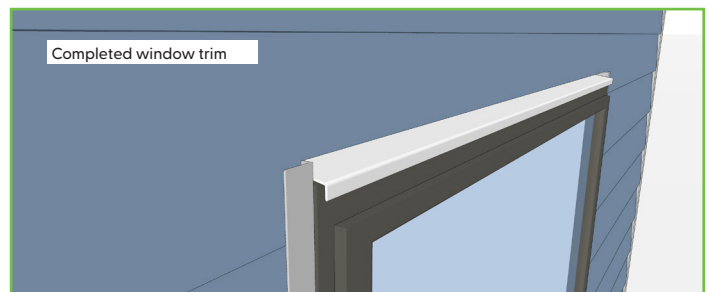


Figure 24.5

8. WARRANTY



EasyTrim® Reveals – Advanced Aluminum Trim System

The EasyTrim® Reveals Aluminum Reveal Wall System 15-Year Limited Warranty is extended to original purchasers of EasyTrim® Reveals aluminum trim profiles.

This Warranty is for the benefit of the original property owner who purchased the product and is not transferable. EasyTrim® Reveals warrants that our Aluminum Reveal profiles, when installed properly shall be free of manufacturing defects in workmanship and materials and will not split, crack, peel, blister, flake, rust nor be subject to abnormal weathering. With proper substrate, EasyTrim® Reveals will not buckle or split.

If the Aluminum Reveal profiles fail to perform as warranted, EasyTrim® Reveals will provide, at its option, replacement parts or components to the dealer specified by the original purchaser at no cost. EasyTrim® Reveals will not be responsible for installation or labor costs.

General Conditions and Exclusions

The EasyTrim® Reveals Inc. Warranty is not transferable, and is subject to the general conditions and exclusions: There are certain conditions or applications over which EasyTrim® Reveals has no control. The EasyTrim® Reveals Warranty does not cover defects or problems as a result of such conditions or applications.

What is NOT covered:

- Damage caused by improper installation, use, application or maintenance;
- Damage to the finished metal caused by handling, shipping, processing;
- Storage, installation and/or improper cleaning;
- Damage from contact with harmful chemicals, fumes, or vapors
- Normal weathering, chalking, fading, atmospheric pollutants or mildew build-up;
- Damage from settlement, shrinkage, or distortion of the structure;
- Pre-finished or field applied coatings;
- Acts of God, fire and casualty; and
- Installation or labor costs.

The limited warrants set forth are the only warranties (whether written or oral) applicable to EasyTrim Reveal Wall System profiles.

EasyTrim® Reveals makes no other warranties, express or implied and makes no implied warranties of merchantability or fitness for a particular purpose. The remedies stated within are your sole and exclusive remedy and easytrim® reveals will not be responsible for incidental or consequential damages relating to your purchase or use of EasyTrim® Reveals products. EasyTrim® Reveals liability in all instances will be limited to replacement of material based on purchase date and warranty claim date.

This warranty is applicable in Canada, the United States, Europe and Australia. Some US states do not allow for the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state, and from country to country.

How to Get Help if You Have a Warranty Claim

To obtain help with a warranty claim, contact the dealer, distributor or building products supplier where the EasyTrim® Reveal[®] were purchased originally. If, after thirty (30) days you have received no response to your concerns, then contact EasyTrim® Reveal[®] Inc. via email sending your email to warranty@easytrimreveals.com, or sending a letter to:

EasyTrim® Reveal[®] Inc.
101, 4441 76 Ave SE
Calgary, Alberta Canada
T2C 2G8

+1 877 973 8746
warranty@easytrimreveals.com
engagebp.com/easytrim

Please include the following documentation:

1. Identify the EasyTrim® Reveal[®] Wall System profile(s), date and place of purchase, and purchase price (proof of purchase required).
2. Describe the problem (photographs are required).
3. Describe any action you have taken, or those persons contacted in an attempt to correct the problem.
4. Give your name, phone number and address where the product can be inspected.

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9. ENVIRONMENTAL & HEALTH DOCUMENTATION

EasyTrim® Reveals – Advanced Aluminum Trim System

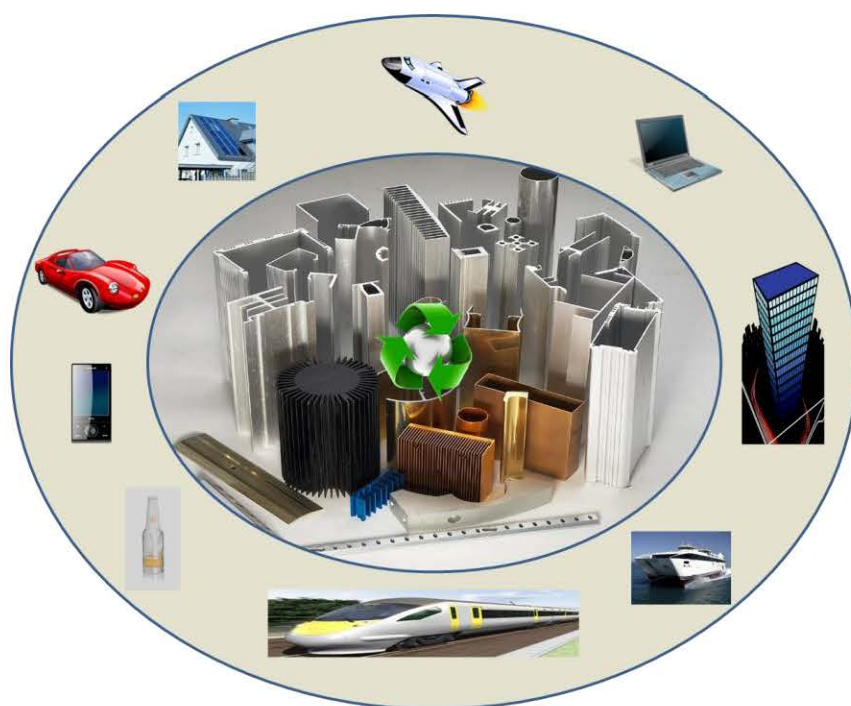
The following Environmental Product Declaration (EPD) and Health Product Declaration (HPD) documentation is provided for reference and sustainability evaluation purposes.

Documentation applicable to aluminum extrusion material only; trim profiles are non-emissive and recyclable.

ENVIRONMENTAL PRODUCT DECLARATION

EXTRUDED ALUMINUM

INDUSTRY-AVERAGE EXTRUDED ALUMINUM
MANUFACTURED IN NORTH AMERICA



The Aluminum Association and the aluminum industry are committed to responsible environmental stewardship. Aluminum is one of the most sustainable materials in use today:

- Strong and lightweight: Aluminum's favorable strength-to-weight ratio means it can be substituted for heavier materials, driving energy efficiency.
- Infinitely recyclable: Aluminum can be recycled over and over again without losing any of its fundamental properties.
- Efficiency Improvements: Through voluntary industry efforts, the North American aluminum industry has reduced the carbon footprint of primary aluminum production by 37 percent since 1995.
- Corrosion-resistant: Durable aluminum lasts longer than many competing materials, limiting the need for replacement.
- Highly recycled: Aluminum is one of the most recycled materials on the market today. And producing recycled aluminum takes just 8 percent of the energy needed to make primary aluminum.



ENVIRONMENTAL PRODUCT DECLARATION

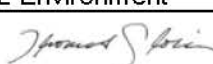


Extruded Aluminum Semi-Fabrication
Products of Aluminum and Aluminum Alloys

According to ISO 14025 and EN 15804

This declaration is an environmental product declaration (EPD) in accordance with ISO 14025. EPDs rely on Life Cycle Assessment (LCA) to provide information on a number of environmental impacts of products over their life cycle. Exclusions: EPDs do not indicate that any environmental or social performance benchmarks are met, and there may be impacts that they do not encompass. LCAs do not typically address the site-specific environmental impacts of raw material extraction, nor are they meant to assess human health toxicity. EPDs can complement but cannot replace tools and certifications that are designed to address these impacts and/or set performance thresholds – e.g. Type 1 certifications, health assessments and declarations, environmental impact assessments, etc. Accuracy of Results: EPDs regularly rely on estimations of impacts, and the level of accuracy in estimation of effect differs for any particular product line and reported impact. Comparability: EPDs are not comparative assertions and are either not comparable or have limited comparability when they cover different life cycle stages, are based on different product category rules or are missing relevant environmental impacts. EPDs from different programs may not be comparable.



PROGRAM OPERATOR	UL Environment
DECLARATION HOLDER	The Aluminum Association
DECLARATION NUMBER	4786092064.102.1
DECLARED PRODUCT	Extruded Aluminum
REFERENCE PCR	Products of Aluminum and Aluminum Alloys (IBU, July 2012)
DATE OF ISSUE	October 16, 2014
PERIOD OF VALIDITY	5 years
EXTENSION PERIOD	August 16, 2022
CONTENTS OF THE DECLARATION	Product definition and information about building physics Information about basic material and the material's origin Description of the product's manufacture Indication of product processing Information about the in-use conditions Life cycle assessment results Testing results and verifications
The PCR review was conducted by:	The Independent Expert Committee
This declaration was independently verified in accordance with ISO 14025 by Underwriters Laboratories ☐ INTERNAL ☒ EXTERNAL	 Wade Stout, UL Environment
This life cycle assessment was independently verified in accordance with ISO 14044 and the reference PCR by:	 Thomas Gloria, Industrial Ecology Consultants

This EPD conforms with EN 15804

ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

According to ISO 14025

Product

Product Description

This EPD covers the production of semi-fabricated and surface-finished aluminum extrusion products. The results represent an average across all extruded aluminum products manufactured in North America (United States and Canada). Averages are obtained through aggregating production-weighted data from the participating data.

Applications

Extruded aluminum is used in a variety of market sectors, including the following:

- Transportation: automobile structures and components, truck and trailer structures and components, train structure and components, aircraft structure and components, etc.
- Building, construction and infrastructure: building windows, doors, curtain walls, facades, skylights, green houses, roof structures, furniture and decorations, solar device frames and structures, structure and components of bridges and stadiums, etc.
- Consumer durables: components of consumer durable goods, such as computers, home appliances, and recreation devices and utilities.

Technical Data

Name	Value	Unit
Density	2.66-2.84	(kg/m ³) x 10 ³
Melting point (Typical)	475-655	°C
Electrical conductivity (Typical) at 20°C/at 68°F	Equal Volume: 16-36	MS/m (0.58*%IACS)
Thermal conductivity (Typical) at 25°C/at 77°F	113-234	W/(m.K)
Average Coefficient of thermal expansion (Typical) 20° to 100°C /68° to 212°F	22.3-23.9	per °C
Modulus of elasticity (Typical)	69-73	MPa x 10 ³
Hardness (Typical)	19-150	HB
Yield strength (min)	15-490	MPa
Ultimate tensile strength (min)	60-560	MPa
Breaking elongation (min) (50mm & 4D)	>4	%
Chemical composition	Varying alloy by alloy, Al 87.17-99.6	% by mass



ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

According to ISO 14025

Application Rules

ASTM B221-13/B221M-13 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes

ASTM B241/B241M-12e1 Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube

ASTM B317/B317M-07 Standard Specification for Aluminum-Alloy Extruded Bar, Rod, Tube, Pipe, Structural Profiles, and Profiles for Electrical Purposes (Bus Conductor)

ASTM B345/B345M-11 Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems

ASTM B429/B429M-10e1 Standard Specification for Aluminum-Alloy Extruded Structural Pipe and Tube

ASTM B491/B491M-06 Standard Specification for Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications

Delivery Status

The output of the extrusion process is a semi-fabricated and surface finished extrusion product transported to a component or final product manufacturer.

Base and Ancillary Materials

Extruded aluminum products made in North America contain a considerable proportion of metal recycled from aluminum scrap. The metal composition of products, based on metal feedstock information collected at the melting furnaces for extrusion billet making, is shown below. Products shipped to different market sectors may vary significantly on its metal compositions. Recovered aluminum from internal process (run-around) scrap is considered as a repeated closed-loop manufacturing process and therefore is excluded from metal composition declaration. Definitions of Internal Process (Run-Around) Scrap, Post-Industrial Scrap and Post-Consumer Scrap are consistent with ISO 14021/25 (2006) on environmental labels and declarations, and the related interpretations by UL Environment.

Extruded aluminum products may include various types of coatings, including anodized, painted, and laquered finishes. All coating materials are included in inventory, based on averages across the industry.

Category of Metal Source	Percentage (by mass)
Primary Aluminum (including alloy agents)	49
Recovered Aluminum from Other Post-Industrial Scrap	20
Recovered Metal from Post-Consumer Scrap	31



ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

According to ISO 14025

Manufacture

The extrusion process takes cast extrusion billet (round bar stock produced from direct chill molds) and produces extruded shapes. The process begins with an inline preheat that takes the temperature of the billet to a predetermined level depending on the alloy. The billet is then sheared if not already cut to length and deposited into a hydraulic press. The press squeezes the semi-plastic billet through a heated steel die that forms the shape. The shape is extruded into lengths defined by the take-off tables and is either water quenched or air cooled. The shape is then clamped and stretched to form a solid straightened length.

The straighten lengths are cut to final length multiples and may be placed in an aging furnace to achieve a desired temper. Lengths are then finished (drilled and shaped) and placed into a coating process. The types of coatings include anodized, painted, and lacquered finishes.

Environment and Health during Manufacturing

Air: Hazardous air emission releases comply with regulatory thresholds.

Water/soil: Pollutants in wastewater discharge comply with regulatory thresholds.

Noise: Due to adequate acoustical absorption and mitigation devices, measurements of sound levels have shown that all values inside and outside the production plant comply with regulatory thresholds.

Product Processing and Installation

Further processing and installation of extruded aluminum product depends on the final application of the product and is outside the scope of this EPD.

Packaging

Product delivery packaging includes wood, steel, paper board, and sometimes plastic wraps. Packaging is included in the scope of this EPD.

Condition of Use

No special conditions of use are relevant for this product under the scope of this EPD.

ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

According to ISO 14025

Environment and Health During Use

The environmental and health effects during use are dependent on the ultimate use of the extruded aluminum and are outside the scope of this EPD. The following general statements are relevant for all aluminum products:

- Aluminum products are often made from both primary and recycled ingots
- There is no relevant chemical composition difference between primary and secondary ingots if both are governed by the same alloy designation and chemical composition limit standards
- The service life of the final product depends on its application, but is typically long due to aluminum's excellent corrosion resistance
- For that same reason, maintenance needs during use are usually low.

Reference Service Life

Service lives for aluminum extrusions vary based on the application. This EPD does not cover the product use phase and therefore makes no specific claim as to a typical reference service life.

Extraordinary Effects

Fire: Aluminum products comply with all local and federal laws with respect to fire hazards and control.

Water: There is no evidence to suggest water runoff or exposure under normal and intended operation will violate general water quality standards.

Mechanical destruction: Not relevant for aluminum extrusions.

Recycling Phase

Aluminum is a highly recyclable material. During manufacturing, most process and new scrap are fed back into the production process. At the end of life, aluminum scrap is collected and sold to both secondary smelting and semi-fabrication companies. The recycling rate for aluminum scrap is assumed to be 95%. Recycling over 95% is typical for aluminum products in high volume automotive and construction market sectors (IAI 2013).

Post-industrial scrap is highly utilized within the aluminum industry. Most process and new scrap materials that occur in the manufacture and processing of extruded aluminum are fed back into the production process.

Disposal

It is assumed that 5% of the extruded aluminum products are sent to the landfill for disposal at the end of life. The European Waste Code for aluminum is 17 04 02.

ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

According to ISO 14025

Further Information

For further information on aluminum and aluminum products, please visit the Aluminum Association website:
www.aluminum.org.

The life cycle assessment was conducted by PE INTERNATIONAL using GaBi data.



ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

According to ISO 14025

Life Cycle Assessment

Declared Unit

The declared unit is the production and end-of-life treatment of one metric ton of extruded aluminum product. The results can be converted to one kilogram by dividing by 1000.

System Boundary

This is a “cradle-to-gate – with options” EPD. The following processes are considered in the product stages A1–A3 of the aluminum extrusion production:

- The provision of resources, additives and energy
- Transport of resources and additives to the production site
- Production process of extruded aluminum on site, including energy, production of additives, disposal of production residues, consideration of related emissions, and recycling of production scrap (“closed loop”).

Product stages C4 and D are also included, with 95% of the extruded product assumed to be recycled at the end-of-life, and 5% disposed of by landfilling. End-of-life recycling is accounted for using the avoided burden recycling methodology.

DESCRIPTION OF THE SYSTEM BOUNDARY (X = INCLUDED IN LCA; MND = MODULE NOT DECLARED)																
PRODUCT STAGE			CONSTRUCTION PROCESS STAGE		USE STAGE							END OF LIFE STAGE				BENEFITS AND LOADS BEYOND THE SYSTEM BOUNDARIES
Raw material supply	Transport	Manufacturing	Transport	Construction-installation process	Use	Maintenance	Repair	Replacement ¹	Refurbishment ¹	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	X	X



ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

According to ISO 14025

Estimates and Assumptions

The LCA required only limited use of estimates and assumptions. The most relevant estimation/assumption is the end-of-life recycling rate of 95%, which is discussed in the *Recycling Phase* section. Averages and best-estimates were used to fill in minor data gaps, such as the source of ingots for some facilities. Other estimates and assumptions are discussed in detail in the LCA background report.

Cut-off Criteria

Input: All material flows that enter the system and are over 1% of the product mass or contribute more than 1% to the primary energy consumption are included.

Output: All material flows that exit the system and whose environmental impact makes up more than 1% of the total impact in an impact category considered are included.

Background Data

In order to model the life cycle for the production of the extruded aluminum, the GaBi 6 software system developed by PE INTERNATIONAL was used. All relevant background data necessary for the production of cold-rolled aluminum were taken from the GaBi 2012 databases or were made available by the Aluminum Association through industry survey results. Companies participating in the project, either with AA or AIA, are provided in the *Participating Companies* section.

Data Quality

The data is considered of high quality. Inventory data quality is judged by its precision (measured, calculated or estimated), completeness (e.g., unreported emissions), consistency (degree of uniformity of the methodology applied on a study serving as a data source) and representativeness (geographical, temporal, and technological). To cover these requirements and to ensure reliable results, first-hand industry data in combination with consistent background life cycle inventories from the GaBi 2012 database were used.

The LCI data sets from the GaBi database are widely distributed and used with the GaBi 6 Software. The datasets have been used in LCA models worldwide in industrial and scientific applications in internal as well as in many critically reviewed and published studies. In the process of providing these datasets, they are cross-checked with other databases and values from industry and science.

ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

According to ISO 14025

Period under Review

Primary data collected from the participating companies and from their operational activities is representative for the year of 2010. Additional data necessary to model raw material production and energy generation, etc. were adopted from the GaBi 6.0 software system database.

During the survey, however, a small group of semi-fabrication facilities reported operational data for 2008, 2009, or 2011, depending on the time when they started to respond to the survey and the convenience of their data availability. This deviation from the defined reference year has been taken into account as it is being assumed that there are no radical changes in the technology and operational practice for semi-fabrications from the year 2008 to 2011. Additional data necessary to model raw material production, energy generation, etc. were adopted from the GaBi 2012 database with typical reference years between 2006 and 2010.

Allocation

Allocation is used to address recycled content, post-production scrap, and waste at end-of-life. The avoided burden allocation approach was applied. Under this approach, end-of-life scrap is first balanced out with any open scrap inputs into production. Only the remaining *net scrap* is then modeled as being sent to material recycling in order to avoid double-counting the benefits of using recycled content. If more scrap is recovered at product end-of-life than is required in the manufacturing stage, the product system receives a credit equal to the burden of primary material production minus the burden of recycling scrap into secondary material based on the mass of secondary material produced. This credit represents the avoided burden of primary material production.

Comparability

A comparison or an evaluation of EPD data is only possible if all the data sets to be compared were created according to EN 15804 and the building context, respectively the product-specific characteristics of performance are taken into account.

ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

According to ISO 14025

Life Cycle Assessment: Results

Results given per one metric ton of extruded aluminum.

ENVIRONMENTAL IMPACTS

CML 2001 (Nov 2010)

Parameter	Unit	Manufacturing A1-A3	End-of-Life C4	Credits D
GWP	kg CO ₂ eq	6.57E+03	2.17E+00	-4.13E+03
ODP	kg CFC-11 eq	4.14E-07	2.50E-10	-1.74E-07
AP	kg SO ₂ eq	4.01E+01	8.86E-03	-2.95E+01
EP	kg PO ₄ ³⁻ eq	1.90E+00	8.03E-04	-1.22E+00
POCP	kg C ₂ H ₄ eq	2.21E+00	1.00E-03	-1.48E+00
ADPE	kg Sb eq	3.97E-03	8.03E-07	-2.20E-03
ADPF	MJ	7.13E+04	3.43E+01	-3.89E+04

TRACI 2.1

Parameter	Unit	Manufacturing A1-A3	End-of-Life C4	Credits D
GWP	kg CO ₂ eq	6.57E+03	2.17E+00	-4.13E+03
ODP	kg CFC-11 eq	4.41E-07	2.66E-10	-1.85E-07
AP Air	kg SO ₂ eq	3.75E+01	8.99E-03	-2.72E+01
AP Water	kg SO ₂ eq	6.13E-02	9.08E-06	-2.23E-03
EP Air	kg N eq	6.62E-01	1.30E-03	-3.88E-01
EP Water	kg N eq	1.12E-01	7.69E-05	-6.22E-02
SP	kg O ₃ eq	3.27E+02	1.40E-01	-2.10E+02
FF	MJ	5.91E+03	4.30E+00	-2.49E+03

RESOURCE USE

Parameter	Unit	Manufacturing A1-A3	End-of-Life C4	Credits D
PERE	[MJ]	3.12E+04	1.59E+00	-2.45E+04
PERM	[MJ]	0.00E+00	0.00E+00	0.00E+00
PERT	[MJ]	3.12E+04	1.59E+00	-2.45E+04
PENRE	[MJ]	7.13E+04	3.43E+01	-3.89E+04
PENRM	[MJ]	0.00E+00	0.00E+00	0.00E+00
PENRT	[MJ]	7.13E+04	3.43E+01	-3.89E+04
SM	[kg]	4.26E+02	0.00E+00	0.00E+00
RSF	[MJ]	0.00E+00	0.00E+00	0.00E+00
NRSF	[MJ]	0.00E+00	0.00E+00	0.00E+00
FV	[m ³]	1.37E+05	-8.20E+01	-1.07E+05

OUTPUT FLOWS AND WASTE CATEGORIES

Parameter	Unit	Manufacturing A1-A3	End-of-Life C4	Credits D
HWD	[kg]	1.69E+03	0.00E+00	-1.57E+03
NHWD	[kg]	7.82E+01	5.00E+01	-6.24E+01
RWD	[kg]	4.19E+00	4.42E-04	-2.35E+00
CRU	[kg]	0.00E+00	0.00E+00	0.00E+00
MFR	[kg]	8.47E+00	9.50E+02	0.00E+00
MER	[kg]	0.00E+00	0.00E+00	0.00E+00
EEE	[MJ]	0.00E+00	0.00E+00	0.00E+00
EET	[MJ]	0.00E+00	0.00E+00	0.00E+00

Glossary

Environmental Impacts

GWP	Global warming potential
ODP	Depletion potential of the stratospheric ozone layer
AP	Acidification potential
EP	Eutrophication potential
POCP	Photochemical oxidant formation potential
SFP	Smog formation potential
ADPE	Abiotic depletion potential for non-fossil resources
ADPF	Abiotic depletion potential for fossil resources
FF	Fossil fuel consumption

Resource Use

PERE	Renewable primary energy as energy carrier
PERM	Renewable primary energy resources as material utilization
PERT	Total use of renewable primary energy resources
PENRE	Non-renewable primary energy as energy carrier
PENRM	Non-renewable primary energy as material utilization
PENRT	Total use of non-renewable primary energy resources
SM	Use of secondary material
RSF	Use of renewable secondary fuels
NRSF	Use of non-renewable secondary fuels
FW	Use of net fresh water

Output Flows and Waste Categories

HWD	Hazardous waste disposed
NHWD	Non-hazardous waste disposed
RWD	Radioactive waste disposed
CRU	Components for re-use
MFR	Materials for recycling
MER	Materials for energy recovery
EEE	Exported electrical energy
EET	Exported thermal energy



ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

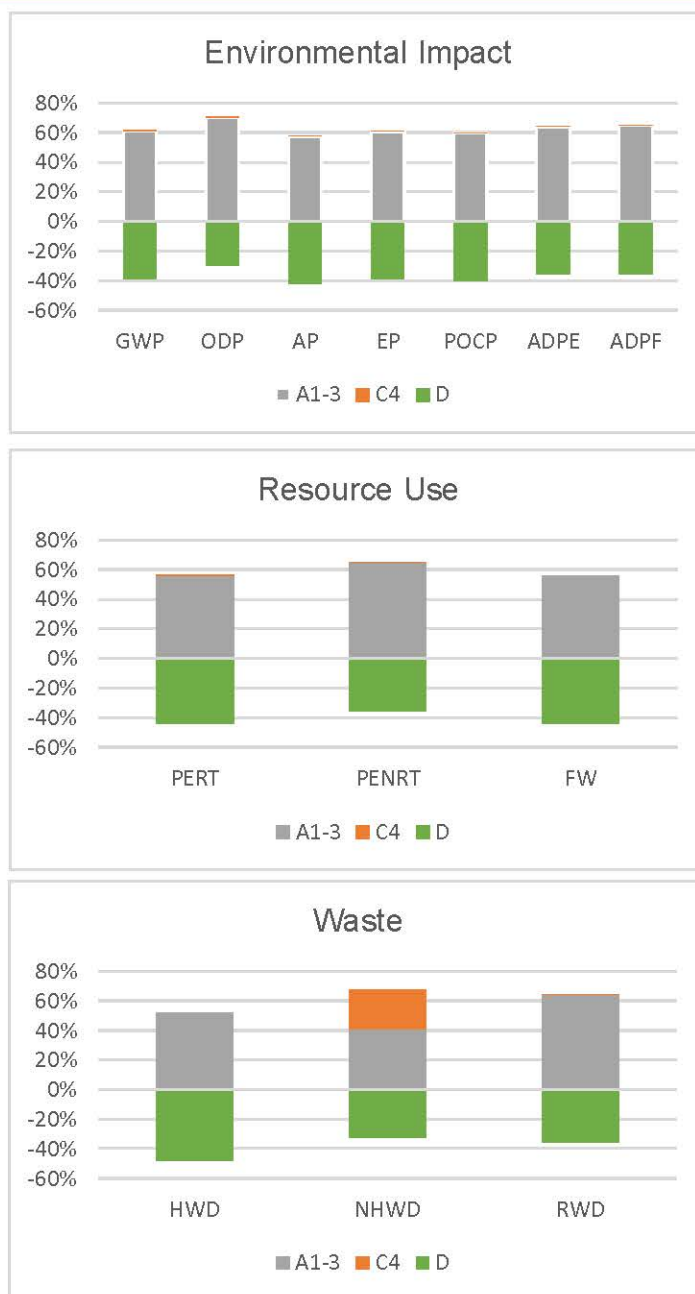
According to ISO 14025

Life Cycle Assessment: Interpretation

The results represent the cradle-to-gate and end-of-life environmental performance of a metric ton of extruded aluminum. The majority of the environmental impacts are from the production of the aluminum, however the credits from recycling the aluminum at end-of-life help to offset the initial burden.

As with any metal, the recycling rate has a significant impact on the life cycle environmental performance of extruded aluminum. A 95% recycling rate is assumed. Aluminum is an ideal material for recycling because the metal can be recycled over and over again without any loss in quality (AIA 2013).

Finally, it is interesting to note that the landfilling of extruded aluminum in C4 has a negative use of net fresh water (FW). This is due to the landfill collecting rain water and introducing it into the watershed as landfill leachate, following the blue water calculation methodology.



ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

According to ISO 14025

Participating Companies

Company	Data Category	Note
Alcoa Inc.	Bauxite, Alumina, Primary Aluminum, Recycled Aluminum, Hot and Cold Rolling, Extrusion	Includes Kawneer and Traco
Aleris International Inc.	Recycled Aluminum, Hot and Cold Rolling	
Alexandria Extrusion Company	Extrusion	
Century Aluminum Company	Primary Aluminum	
Constellium	Hot and Cold Rolling	At the time of data survey, it was owned by Rio Tinto Alcan
Grupo Cuprum	Recycled Aluminum, Extrusion	
Hydro Aluminum North America	Bauxite, Alumina, Recycled Aluminum, Extrusion	
Jupiter Aluminum Corporation	Recycled Aluminum, Hot and Cold Rolling	
Kaiser Aluminum	Recycled Aluminum, Hot and Cold Rolling, Extrusion	
KB Alloy	Recycled Aluminum	
Logan Aluminum	Recycled Aluminum, Hot and Cold Rolling	
Metal Exchange Corporation	Recycled Aluminum, Extrusion	
Minalex Corporation	Extrusion	
Nichols Aluminum	Recycled Aluminum, Hot and Cold Rolling	
Noranda Aluminum Inc.	Alumina, Primary Aluminum	
Novelis Inc.	Recycled Aluminum, Hot and Cold Rolling	
Ormet Corporation	Alumina, Primary Aluminum	
Peerless of America	Extrusion	
Penn Aluminum International LLC	Extrusion	
Rio Tinto Alcan	Bauxite, Alumina, Primary Aluminum	
Sapa Extrusions Inc.	Recycled Aluminum, Extrusion	
Scepter Inc.	Recycled Aluminum	
Sherwin Alumina	Alumina	
Smelter Service Corporation	Recycled Aluminum	
Tri-Arrows Aluminum Inc.	Recycled Aluminum, Hot and Cold Rolling	

ENVIRONMENTAL PRODUCT DECLARATION



Extruded Aluminum
Products of Aluminum and Aluminum Alloys

According to ISO 14025

References

EN 15804:2011-04: Sustainability of construction works — Environmental Product Declarations — Core rules for the product category of construction products.

IAI (2013). *Global Life Cycle Inventory Data for the Primary Aluminum Industry*. London, International Aluminium Institute. 2013.

ISO 14025. DIN EN ISO 14025:2009-11: Environmental labels and declarations — Type III environmental declarations — Principles and procedures.

IBU (2011). Institut Bauen und Umwelt e.V., Königswinter (pub.): Product Category Rules for Construction Products from the range of Environmental Product Declarations of Institut Bauen und Umwelt (IBU), Part A: Calculation Rules for the Life Cycle Assessment and Requirements on the Background Report. 2011. www.bau-umwelt.de.

IBU (2012). PCR 2011 Part B. Institut Bauen und Umwelt e.V., Königswinter (pub.): Product Category Rules for Construction Products from the range of Environmental Product Declarations of Institut Bauen und Umwelt (IBU), Part B: Requirements on the EPD for Products of Aluminium and Aluminium Alloys. 2012. www.bau-umwelt.de.

USGS (2011). *2010 Minerals Yearbook – Bauxite and Alumina*. Washington, D.C.: United States Geological Survey, Department of Interior. 2011.

EasyTrim Systems
by Engage Building Products

Health Product
Declaration v2.3
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 30546

CLASSIFICATION: 07 42 00 Wall Panels

PRODUCT DESCRIPTION: The complete aluminum trim system for fiber cement, engineered wood, and vinyl siding on single-family homes, multi-family developments, and commercial buildings. EasyTrim is compatible with almost every panel or lap product of all sizes and thicknesses, including: 5/16", 7/16", 3/4", 1", 1-1/4".

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
☒ Nested Materials Method	☒ 100 ppm	☒ Completed	Characterized ☒ Yes ☐ No
☒ Basic Method	☐ 1,000 ppm	☐ Partially Completed	<i>Provided weight and role.</i>
	☐ Per GHS SDS	☐ Not Completed	Screened ☒ Yes ☐ No
Threshold Disclosed Per	☐ Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
☐ Material		☒ Yes ☐ No	Identified ☒ Yes ☐ No
☒ Product			<i>Provided name and CAS RN or other identifier.</i>

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE EASYTRIM SYSTEMS [ALUMINUM BM-1 | END | MAM | PHY MANGANESE LT-P1 | END | MUL | REP | MAM | AQU MAGNESIUM LT-UNK | PHY | SKI CHROMIUM LT-P1 | END | SKI | GEN | REP | MAM]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Residuals/impurities in select raw materials are quantitatively measured, and are displayed in the HPD when greater than 100ppm.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: Inherently non-emitting source per LEED LCA: Environmental Product Declaration (EPD) by UL

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

☐ Yes

☒ No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2022-10-17

PUBLISHED DATE: 2022-11-03

EXPIRY DATE: 2025-10-17

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

EASYTRIM SYSTEMS

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals/Impurities in raw materials are quantitatively measured and are displayed in the HPD when greater than or equal to 100 ppm.

OTHER PRODUCT NOTES: For more information on EasyTrim Systems visit: <https://easytrimreveals.com/>

ALUMINUM

ID: 7429-90-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-10-17 10:22:58

%: 95.0000 - 100.0000

GreenScreen: BM-1

RC: PostC

NANO: No

SUBSTANCE ROLE: Alloy element

Hazard Type	Agency and List Titles	Warnings
END	TEDX - Potential Endocrine Disrupters	Potential Endocrine Disrupter
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
PHY	GHS - New Zealand	Flammable solids category 1
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
PHY	GHS - Japan	H261 - In contact with water releases flammable gas [Substances and mixtures, which in contact with water, emit flammable gases - Category 2]
PHY	GHS - Malaysia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
PHY	GHS - Australia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
PHY	GHS - New Zealand	Pyrophoric solids category 1

Additional Listings	Agency	Notification
Restricted List	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
Restricted List	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products

SUBSTANCE NOTES: Category of Metal Source Percentage (by mass)

Primary Metal (including alloying agents) 45.8%

Recovered Aluminum from Post-Industrial (Pre-Consumer) Scrap 40.6%

Recovered Aluminum from Post-Consumer Scrap 13.6%

MANGANESE

ID: 7439-96-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-10-17 10:22:59

%: 0.0000 - 1.6000

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

Hazard Type	Agency and List Titles	Warnings
END	TEDX - Potential Endocrine Disrupters	Potential Endocrine Disrupter
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazardous to Waters
REP	GHS - Japan	H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity -repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3

Additional Listings	Agency	Notification
Restricted List	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
Restricted List	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products

SUBSTANCE NOTES:

MAGNESIUM

ID: 7439-95-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-10-17 10:22:59

%: 0.0000 - 1.2000

GreenScreen: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

Hazard Type	Agency and List Titles	Warnings
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
PHY	GHS - Australia	H250 - Catches fire spontaneously if exposed to air [Pyrophoric liquids; Pyrophoric solids - Category 1]
PHY	GHS - New Zealand	Self-heating substances and mixtures category 1
PHY	GHS - New Zealand	Substances and mixtures which, in contact with water, emit flammable gases category 1
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation -Category 2]
PHY	GHS - Australia	H260 - In contact with water releases flammable gases which may ignite spontaneously [Substances and mixtures which, in contact with water, emit flammable gases - Category 1]

Additional Listings	Agency	Notification
None found		

SUBSTANCE NOTES:**CHROMIUM**

ID: 7440-47-3

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2022-10-17 10:23:00

%: 0.0000 - 0.3000

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

Hazard Type	Agency and List Titles	Warnings
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
SKI	GHS - Japan	H317 - May cause an allergic skin reaction [Skin sensitizer - Category 1]
REP	GHS - New Zealand	Reproductive toxicity category 2
MAM	GHS - Japan	H371 - May cause damage to organs [Specific target organs/systemic toxicity following single exposure - Category 2]

Additional Listings	Agency	Notification
Restricted List	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Biological and Environmentally Released Materials
Restricted List	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
Restricted List	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products

SUBSTANCE NOTES:

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS

Inherently non-emitting source per LEED

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: None
CERTIFICATE URL:

ISSUE DATE: 2022-10-17
EXPIRY DATE:

CERTIFIER OR LAB: None

CERTIFICATION AND COMPLIANCE NOTES:

LCA

Environmental Product Declaration (EPD) by ULC

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL:
<https://cdn.ymaws.com/www.aec.org/resource/resmgr/sustainability/epd/11-2022/102.1-thermally-improved.pdf>

ISSUE DATE: 2016-10-16
EXPIRY DATE:

CERTIFIER OR LAB: UL

CERTIFICATION AND COMPLIANCE NOTES:

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no other purpose. In providing information, Engage Building Products expresses no opinion and makes no representations as to the applicability, suitability, accuracy or completeness of the declaration form, or the standards, rules, classifications, warnings or criteria utilized or referenced therein. Information provided herein is qualified in the entirety by reference to the applicable product Material Safety Data Sheet (MSDS) which can be located at:

<https://easytrimreveals.com/installation-resources/>

Section 6: Reference

MANUFACTURER INFORMATION

MANUFACTURER: Engage Building Products
ADDRESS: 4441 76 Ave SE #101
Calgary Alberta T2C 2G8, Canada
WEBSITE: www.engagebp.com

CONTACT NAME: Tracy Kelley
TITLE: Architectural Support Manager
PHONE: (877) 973-8746
EMAIL: Tracy.Kelley@engagebp.com

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 List Translator Possible 1 (Possible Benchmark-1)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product
Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.

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