



# **Architectural Details:**

Cladishield (Rainscreen) Installation System for eFacade LITE

# # eFacade LITE & Cladishield Rainscreen System

With CladiShield Rainscreen system, you don't just get cladding panels—you get a complete wall solution. Provided by Mitrex's sister company, Cladify, the system is a comprehensive package that includes a high-performing air and moisture barrier, continuous insulation, adjustable sub-framing systems, and, of course, our exceptional multi-facing cladding.

# 01 Rainscreen system

- · An air pressure equalized cavity wall system
- · Air and water tight & allows ventilation
- · Continuous insulation & air vapour barrier

#### 02 Improved installation

- · Precise installation & irregular design capabilities
- · Faster installation with pre-assembled units

## 03 Versatile assembly

- · Stick built or pre-assembled capabilities
- · Floor to floor panels

#### 04 High-performing envelope

- · Unlimited R-value
- · Thermal & acoustic insulation

#### 05 Code compliant

- · 3rd party tested and code compliant system
- Fire testing including NFPA 285, S134, EN 13501, and more



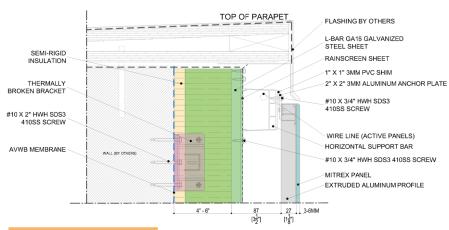
# Mitrex eFacade Products Comparison

Mitrex offers three distinct solar cladding solutions—eFacade LITE, eFacade PRO, and eFacade PRO+—each engineered to meet varying project needs in terms of design flexibility, performance, and scale.

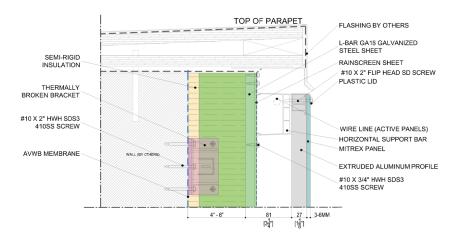
The table below provides a detailed comparison across key features such as colors and finishes, sizing options, weight, system compatibility, and testing standards. Whether you're prioritizing affordability, customization, or advanced performance, this side-byside overview will help you identify the best fit for your project.

	eFacade LITE	eFacade PRO	• eFacade PRO+
Colors & Patterns	5 color options	48 color options	Unlimited customizable colors & patterns
	Finish: Satin glass Thickness: 0.24in (6mm)	Finish: Satin glass Thickness: 0.24in (6mm)	Finish: Super satin, satin, matte, glossy, wood grain, aqualite, and more. Thickness: 0.12-0.47in (3.2-12mm)
Sizes & Weight	2 size options: 73 × 36 in (1854 × 922 mm) 73 × 18 in (1854 × 456 mm)	Custom sizes up to 80 × 39 in (2034 × 994mm).	Customizable single piece sizes up to 125 × 80 in (3175 × 2032mm) Preassembled pieces up to 420 inches (10.7m) long.
	Weight: 3.87 lb/SQFT (18.9 kg/sqm)	Weight: 3.84 lb/SQFT (18.8 kg/sqm)	Weight: 3.1 - 4.7 lb/SQFT (15.4-23.1 kg/sqm)
	Backing: Extruded aluminum profile with panel thickness of 1.3in (34mm)	Backing: Extruded aluminum profile with panel thickness of 1.3in (34mm)	Backing: Extruded aluminum profile with panel thickness of 1.3in (34mm). Aluminum honeycomb with 1 or 2 in (25 or 50mm) thickness excluding facing.
	Shapes: rectangle	Shapes: rectangle	Customizable Shapes: rectangle, triangle, circle, and more
Systems	Ventilated rainscreen system, eFacade LITE system	Ventilated rainscreen system (interlocking channel or anchor plate)	Customizable rainscreen, unitized or prefabricated system options
	System Thickness: 3.78 in (96mm)	System Thickness: 1.5 in (39mm) - 2.32 (59mm)	System Thickness: 1.42 in (36mm) - 4.33in (110mm)
	MOQ of 150 SQFT (13.9 sqm)	MOQ of 500 SQFT (46.4 sqm)	MOQ of 5,000 SQFT (464.5 sqm)
Testing	3rd party tested	3rd party tested	3rd party tested
	Code-compliant & safety tested	Code-compliant & safety tested	Code-compliant & safety tested
	Fire tested	Fire tested	Fire tested

#### PANEL HEAD DETAIL



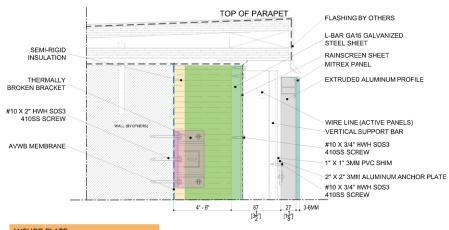
ANCHOR PLATE
HORIZONTAL SUPPORT & POWER BAR



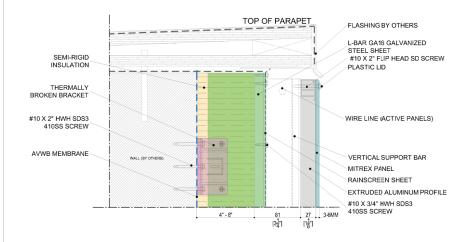
FACE FASTENED HORIZONTAL SUPPORT & POWER BAR

## PANEL HEAD DETAIL





ANCHOR PLATE
VERTICAL SUPPORT & POWER BAR



FACE FASTENED
VERTICAL SUPPORT & POWER BAR

#### PANEL BASE DETAIL L-BAR GA16 GALVANIZED SEMI-RIGID STEEL SHEET INSULATION RAINSCREEN SHEET #10 X 3/4" HWH SDS3 THERMALLY 410SS SCREW BROKEN BRACKET HORIZONTAL SUPPORT BAR WIRE LINE (ACTIVE PANELS) #10 X 2" HWH SDS3 EXTRUDED ALUMINUM PROFILE 410SS SCREW MITREX PANEL WALL (BY OTHERS) AVWB MEMBRANE BUTTERFLY RIVET FOR ATTACHING THE ANCHOR PLATE TO EXTRUDED ALUMINUM PROFILE #10 X 3/4" HWH SDS3 410SS SCREW 2" X 2" 3MM ALUMINUM ANCHOR PLATE 1" X 1" 3MM PVC SHIM FLASHING BY OTHERS FLUSHED CONCRETE LEDGE ANCHOR PLATE HORIZONTAL SUPPORT & POWER BAR SEMI-RIGID INSULATION L-BAR GA16 GALVANIZED STEEL SHEET THERMALLY RAINSCREEN SHEET #10 X 3/4" HWH SDS3 410SS SCREW 410SS SCREW MITREX PANEL HORIZONTAL SUPPORT BAR

THERMALLY
BROKEN BRACKET

#10 X 2" HWH SDS3
#10 SS CREW

#10 X 2" HWH SDS3
#10 SS CREW

MITREX PANEL

HORIZONTAL SUPPORT BAR

EXTRUDED ALUMINUM PROFILE

#10 X 2" FLIP HEAD SD SCREW

PLASTIC LID

WIRE LINE (ACTIVE PANELS)

BUTTERFLY RIVET FOR ATTACHING
THE ANCHOR PLATE TO
EXTRUDED ALUMINUM PROFILE

FLASHING BY OTHERS

FLUSHED CONCRETE LEDGE

FACE FASTENED HORIZONTAL SUPPORT & POWER BAR

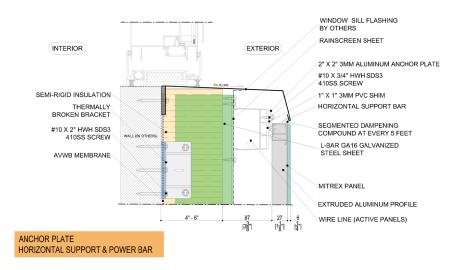
#### B-1 PANEL BASE DETAIL L-BAR GA16 GALVANIZED STEEL SHEET SEMI-RIGID INSULATION VERTICAL SUPPORT BAR RAINSCREEN SHEET THERMALLY #10 X 3/4" HWH SDS3 BROKEN BRACKET 410SS SCREW #10 X 3/4" HWH SDS3 410SS SCREW #10 X 2" HWH SDS3 410SS SCREW 2" X 2" 3MM ALUMINUM ANCHOR PLATE 1" X 1" 3MM PVC SHIM EXTRUDED ALUMINUM PROFILE AVWB MEMBRANE WALL (BY OTHERS BUTTERFLY RIVET FOR ATTACHING THE ANCHOR PLATE TO EXTRUDED ALUMINUM PROFILE MITREX PANEL WIRE LINE (ACTIVE PANELS) FLASHING BY OTHERS FLUSHED CONCRETE LEDGE ANCHOR PLATE **VERTICAL SUPPORT & POWER BAR** L-BAR GA16 GALVANIZED SEMI-RIGID STEEL SHEET INSULATION VERTICAL SUPPORT BAR THERMALLY RAINSCREEN SHEET BROKEN BRACKET #10 X 3/4" HWH SDS3 410SS SCREW #10 X 2" HWH SDS3 410SS SCREW MITREX PANEL EXTRUDED ALUMINUM PROFILE AVWR MEMBRANE #10 X 2" FLIP HEAD SD SCREW WALL (BY OTHERS) PLASTIC LID WIRE LINE (ACTIVE PANELS) BUTTERFLY RIVET FOR ATTACHING THE ANCHOR PLATE TO EXTRUDED ALUMINUM PROFILE FLASHING BY OTHERS FLUSHED CONCRETE LEDGE

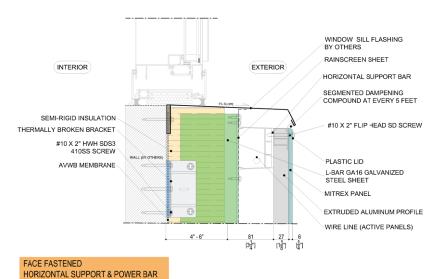
FACE FASTENED

**VERTICAL SUPPORT & POWER BAR** 

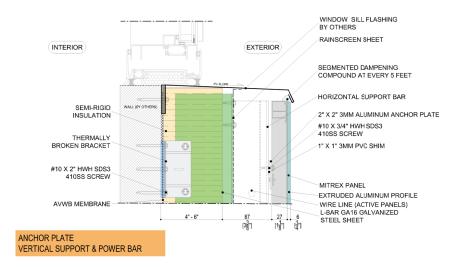
# C-1

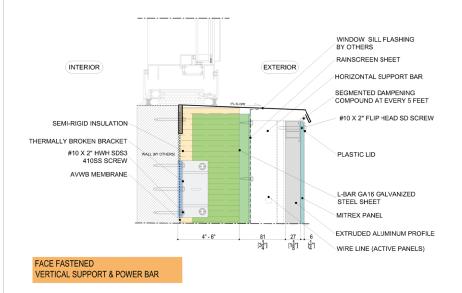
#### WINDOW SILL DETAIL





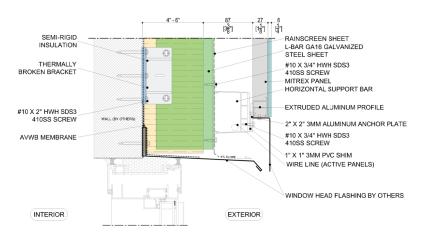
#### WINDOW SILL DETAIL



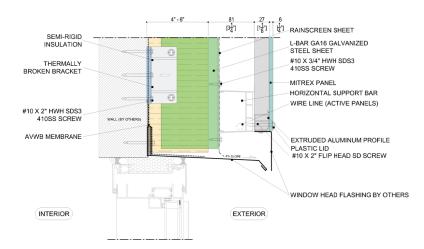


**MITREX** 

## WINDOW HEADER DETAIL



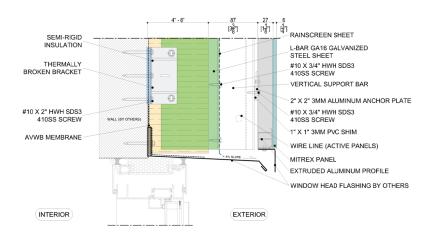
ANCHOR PLATE HORIZONTAL SUPPORT & POWER BAR



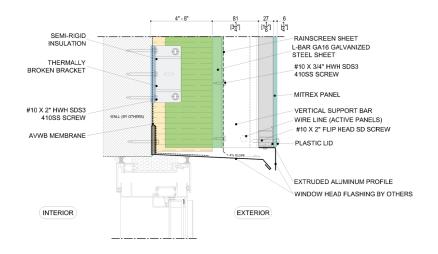
FACE FASTENED HORIZONTAL SUPPORT & POWER BAR

#### WINDOW HEADER DETAIL



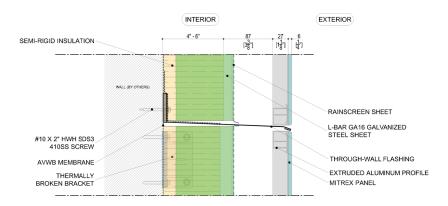


ANCHOR PLATE
VERTICAL SUPPORT & POWER BAR

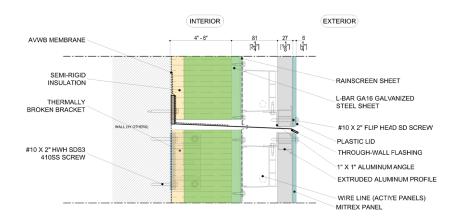


FACE FASTENED
VERTICAL SUPPORT & POWER BAR

# SYSTEM SECTION DETAIL

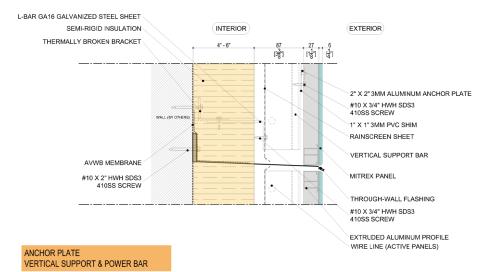


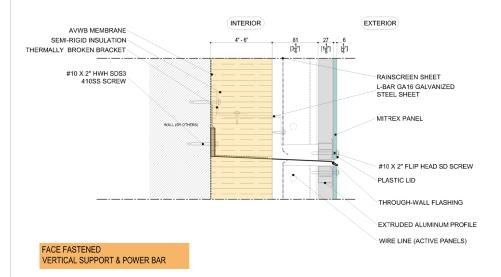
ANCHOR PLATE HORIZONTAL SUPPORT & POWER BAR



FACE FASTENED HORIZONTAL SUPPORT & POWER BAR

# SYSTEM SECTION DETAIL



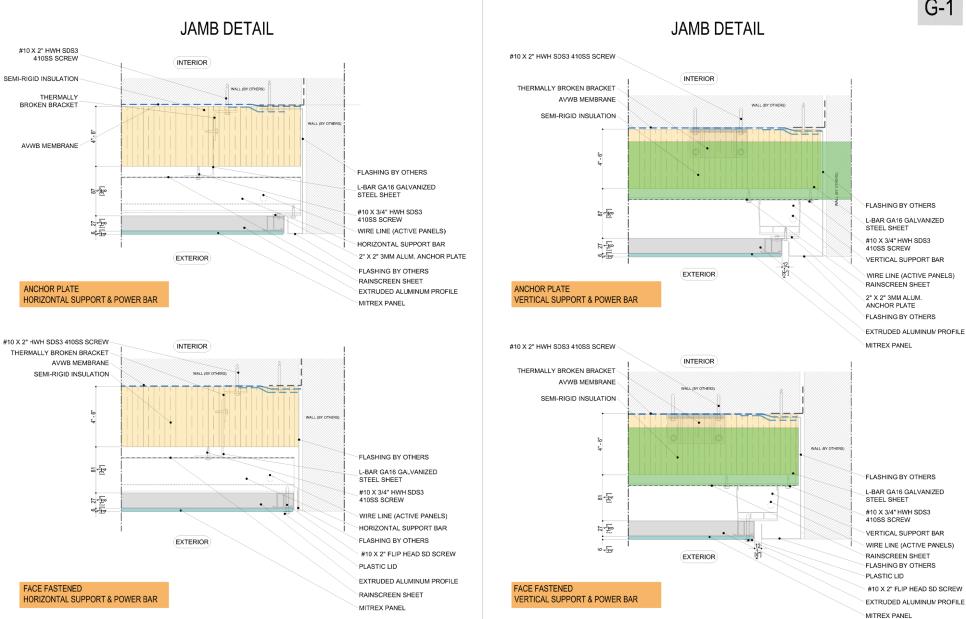


**MITREX** 

E-1

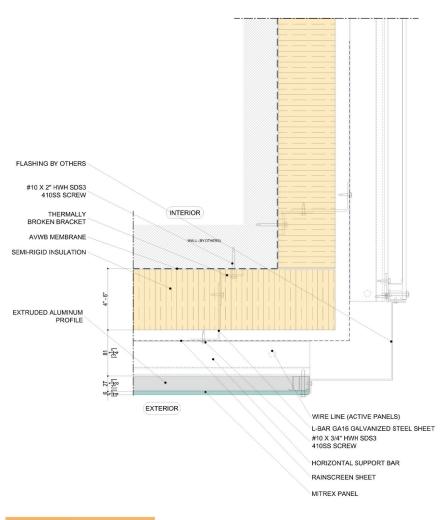
#### F-1 SYSTEM PLAN DETAIL SYSTEM PLAN DETAIL #10 X 2" HWH SDS3 410SS SCREW #10 X 2" HWH SDS3 410SS SCREW SEMI-RIGID INSULATION SEMI-RIGID INSULATION THERMALLY BROKEN BRACKET THERMALLY BROKEN BRACKET AVWB MEMBRANE AVWB MEMBRANE WALL (BY OTHERS % % % % % % 4 L-BAR GA16 GALVANIZED L-BAR GA16 GALVANIZED STEEL SHEET STEEL SHEET #10 X 3/4" HWH SDS3 #10 X 3/4" HWH SDS3 6 27 4 114 72 410SS SCREW 410SS SCREW ω<u>, I</u> WIRE LINE (ACTIVE PANELS) WIRE LINE (ACTIVE PANELS) HORIZONTAL SUPPORT BAR VERTICAL SUPPORT BAR RAINSCREEN SHEET RAINSCREEN SHEET ANCHOR PLATE EXTRUDED ALUMINUM PROFILE ANCHOR PLATE PLASTIC LID HORIZONTAL SUPPORT & POWER BAR **VERTICAL SUPPORT & POWER BAR** MITREX PANEL #10 X 2" FLIP HEAD SD SCREW EXTRUDED ALUMINUM PROFILE MITREX PANEL #10 X 2" HWH SDS3 410SS SCREW #10 X 2" HWH SDS3 THERMALLY 410SS SCREW BROKEN BRACKET INTERIOR SEMI-RIGID INSULATION INTERIOR SEMI-RIGID INSULATION AVWB MEMBRANE THERMALLY BROKEN BRACKET AVWB MEMBRANE L-BAR GA16 GALYANIZED STEEL SHEET 8년 25 - E L-BAR GA16 GALVANIZED STEEL SHEET #10 X 3/4" HWH SDS3 410SS SCREW 6 27 [4][1] #10 X 3/4" HWH SDS3 WIRE LINE (ACTIVE PANELS) 72-12-8 VERTICAL SUPPORT BAR ω<u>. [4</u> WIRE LINE (ACTIVE PANELS) RAINSCREEN SHEET EXTERIOR HORIZONTAL SUPPORT BAR EXTERIOR PLASTIC LID RAINSCREEN SHEET PLASTIC LID #10 X 2" FLIP HEAD SD SCREW FACE FASTENED FACE FASTENED #10 X 2" FLIP HEAD SD SCREW HORIZONTAL SUPPORT & POWER BAR **VERTICAL SUPPORT & POWER BAR** MITREX PANEL EXTRUDED ALUMINUM PROFILE EXTRUDED ALUMINUM PROFILE

MITREX PANEL



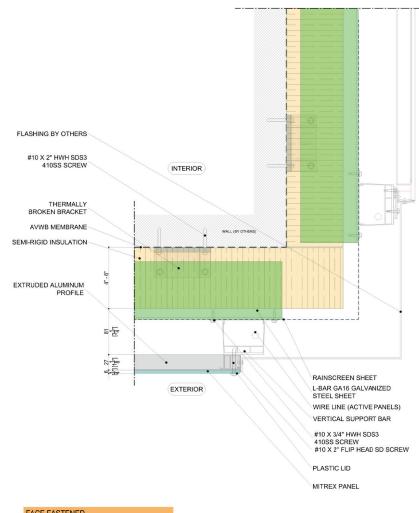
# H-1

# **CORNER DETAIL**



FACE FASTENED HORIZONTAL SUPPORT & POWER BAR

# **CORNER DETAIL**



FACE FASTENED VERTICAL SUPPORT & POWER BAR

#### Toll Free

+1 (855) 254 0214

#### Learn More

mitrex.com info@mitrex.com

#### Headquarters

41 Racine Rd, Toronto, ON M9W2Z4, Canada

+1 (416) 497 7120

#### USA Office

Chrysler Building, 405 Lexington Avenue Floor 26, New York, USA, 10174 +1 (646) 583 4486



