





REVEAL PROFILES

MOLDINGS / EXTRUSIONS





















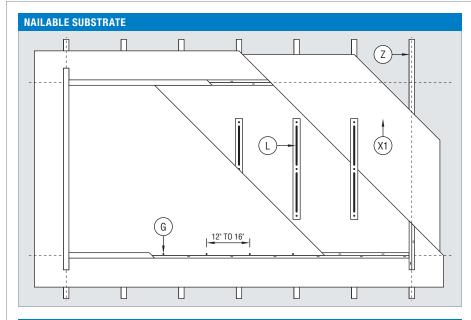
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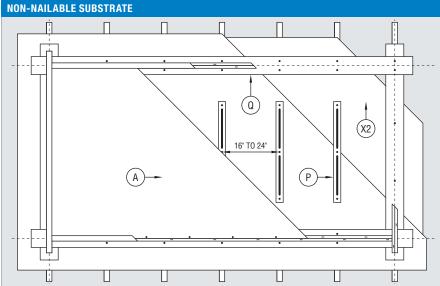


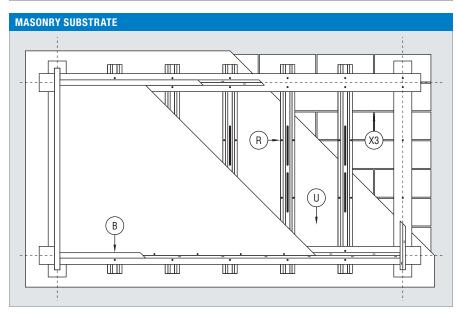
NOTE: 7013-PC Reinforcing Rod (1" long, 2.00 lbs per box of 100) is inserted into the core prior to fastening to prevent dimpling of the panel surface.

PROPERTIES

- **B1** ST601MX Horizontal/Vertical R20-401 Receiver 10'-0," 1.20 lbs / 12'-0," 0.72 lbs
- **B2** ST603MX Perimeter J R20-403 Receiver 10'-0," 1.05 lbs / 12'-0," 0.72 lbs
- **B3** ST605MX Inside Corner R20-404 Receiver 10'-0," 1.20 lbs / 12'-0," 0.90 lbs
- **B4** ST607MX Outside Corner R20-405 Receiver 10'-0," 2.10 lbs / 12'-0," 0.90 lbs
- **B5** SR701MX Horizontal/Vertical (Reveal) R20-406 Receiver 10'-0," 1.65 lbs / 12'-0," 1.08 lbs
- **B6** SR703MX Perimeter J (Reveal) R20-407 Receiver 10'-0," 1.65 lbs / 12'-0," 0.90 lbs







COMPONENTS

- A ProCore
- **B** Two Piece Molding
- **G** Fastener

As selected by contractor to suit project requirements.

- cover snap into receivers
 - receiver 12" to 16" along length
 - panel 12" to 16" around perimeter
- L Construction Adhesive
 An approved adhesive must be used.
 Contact Citadel for current list.
 - located 16" to 24" o.c.
 - 3/8" bead x 2/3 panel height
 - · double-sided tape as alternate
 - for panels 36" x 36" or larger
- P Field Strapping
 - located 16" to 24" o.c.
 - 1-1/2" (min) x 2/3 panel height
 - 22ga (min) recommended
 - fastened 12" to 16" along length
- **Q** Grid Strapping
 - 16ga (min) recommended
 - fastened 12" to 16" along length
- **R** Furring
 - · metal (hat channels, z-girts) or wood
 - located 16" to 24" o.c.
 - fastened 12" to 16" along length
- **S** Shim (not shown)
 - plastic shims recommended
 - flatness tolerance is 1/4" in 20'-0"
- **U** Air/Moisture Barrier Recommended for this system.
- **X1** Nailable Substrate
 - plywood 1/2" (min) recommended
 - OSB 1/2" (min) recommended
- **X2** Non-Nailable Substrate
 - · exterior gypsum board
- **X3** Masonry Substrate
 - CMU (block)
 - pre-formed concrete
- **Z** Stud Framework
 - metal or wood
 - located 16" to 24" o.c.

NOTE: Combine both SECTION and SUBSTRATE drawings for a complete listing of components.

DESCRIPTION

- Field Assembled all panels and moldings are shipped directly to the jobsite and are cut-to-size in the field, saving significant time and money.
- Barrier Wall designed to be completely sealed against moisture intrusion to protect the structural wall assembly of the building.
- Non-Progressive due the manner in which the plastic receivers and aluminum covers are applied, work may begin in any part of the elevation.
- **Joints** plastic receivers and low-profile, aluminum covers make up the two piece moldings that complete the trim, batten and reveal profiles.

Comparative Installed Cost

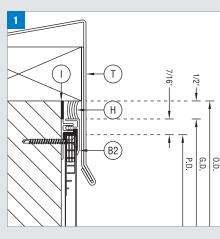
(compared to other Citadel systems)

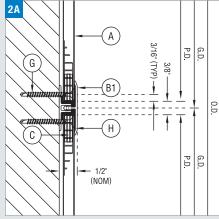
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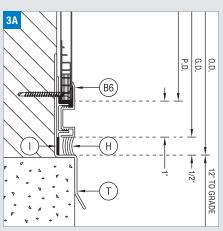
Lead Time: 15 working days **Minimum Qty:** none

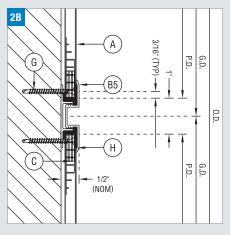
System Depth: 1/2" from the face of

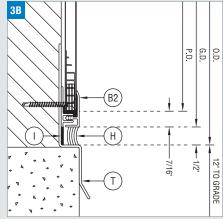
the substrate to the face of the molding











HORIZONTAL SECTIONS

1: Parapet

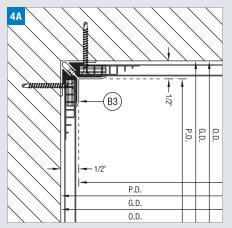
Metal flashing secured over blocking completes the vertical run and prevents moisture from getting behind the cladding system.

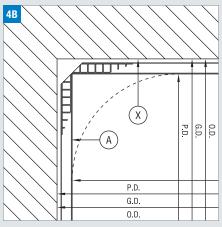
2A & 2B: Horizontal

Plastic receivers are first secured in place with brads or nails. Then the panel is applied and mechanically fastened. Sealant is then liberally applied and the aluminum cover is snapped into place. Batten and reveal (1/2") profiles are available.

3A & 3B: Base/Foundation

Installation typically begins at the base of the wall and moves vertically. The cladding should be kept approximately 12" away from landscaping grade. However, if the system is installed adjacent to a concrete sidewalk, that dimension may be reduced to 1/2."

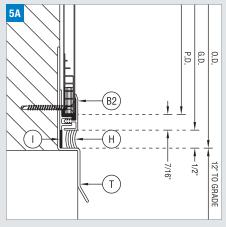


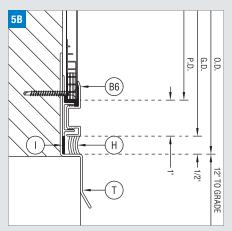


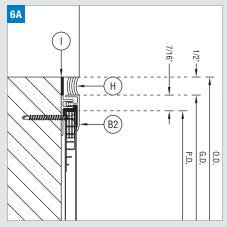
INSIDE CORNER

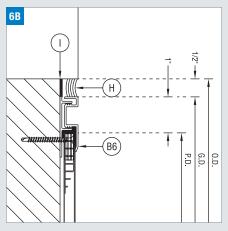
4A & 4B: Inside Corner

Typically, corners are completed with the standard two-piece profile. For corners that are out of square or irregular, two perimeter moldings may be used to form the correct angle. Or, if preferred the panel may be routed on the back and bent around the corner. This condition is also applicable for soffit to wall transitions.









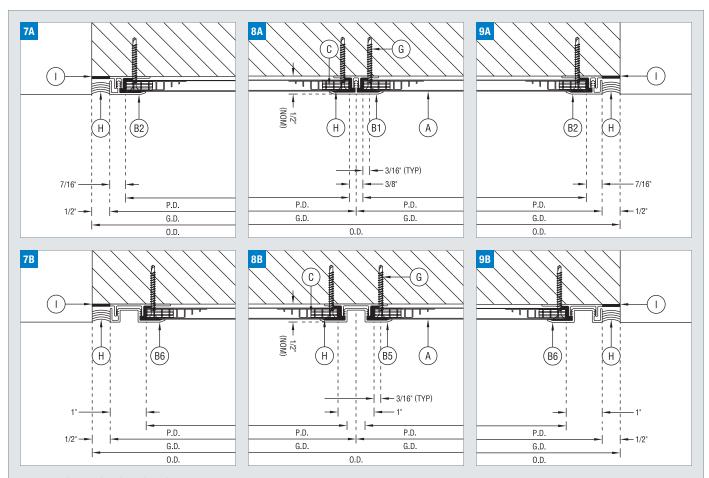
WINDOW HEAD & SILL

5A & 5B: Head

Similar to the base condition, flashing should be used behind the system to direct water away and prevent moisture intrusion.

6A & 6B: Sill

Depending upon visual preference, windows will either extend past the face of the panel or be aligned so that they sit flush. Batten or reveal profiles may be used for this condition.



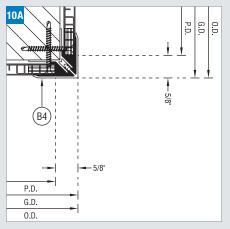
VERTICAL SECTIONS

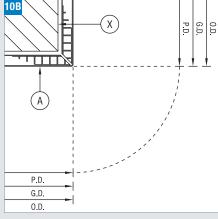
7A, 7B & 9A, 9B: Jamb

When abutting dissimilar material, a sealant joint should be used to prevent moisture intrusion behind the cladding system.

8A & 8B: Vertical

Same condition as the horizontal, the receiver is secured in place, followed by the panel, then the sealant and the aluminum cover. Batten and reveal profiles.

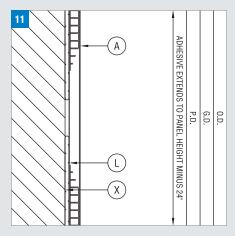


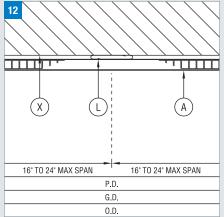


OUTSIDE CORNER

10A & 10B: Outside Corner

Similar to the inside corner, the standard molding can be used for typical corners. If preferred, two perimeter moldings can be used instead or the panel may be routed and bent around the corner. This condition is also applicable for fascia to soffit transitions.





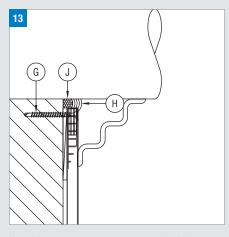
INTERMEDIATE CONNECTION

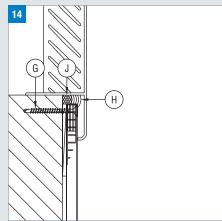
11: Intermediate Connection - Horz

Construction adhesive secures the field of the panel at intermediate locations. The length of this bead should extend to cover a majority of the panel.

12: Intermediate Connection - Vert

The spacing of the adhesive may be dependent upon the type of substrate chosen for the application.





SYSTEM PENETRATIONS

13: Round

When piping or other round penetrations must occur, the hole should be made slightly larger to accomodate a backer rod (when possible) and sealant joint around the object.

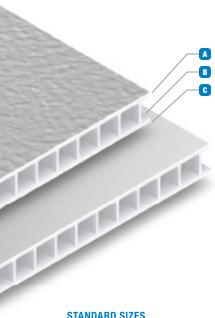
14: Linear (Square or Rectangular)

Moldings should be used to trim the panel edge for all linear penetrations. However, if that is not possible, a proper sealant joint should be utilized to maintain system integrity.

COMPONENTS

- A ProCore
- **B1** ST-601MX Horizontal/Vertical R20-401 Receiver
- **B2** ST-603MX Perimeter J R20-403 Receiver
- **B3** ST-605MX Inside Corner R20-404 Receiver
- **B4** ST-607MX Outside Corner R20-405 Receiver
- **B5** SR-701MX Horizontal/Vertical (Reveal) R20-406 Receiver
- **B6** SR-703MX Perimeter J (Reveal) R20-407 Receiver
- C 7013-PC Reinforcing Rod
- **G** Fastener
 As selected by contractor to suit project requirements.
 - · cover snap into receivers
 - receiver 12" to 16" along length
 - panel 12" to 16" around perimeter
- H Silicone Sealant
 An approved sealant must be used.
 Contact Citadel for current list.
- Bond Breaker Tape
- J Foam Backer Rod
- L Construction Adhesive
 An approved adhesive must be used.
 Contact Citadel for current list.
 - located 16" to 24" o.c.
 - 3/8" bead x 2/3 panel height
 - · double-sided tape as alternate
 - for panels 36" x 36" or larger
- T Flashing
- X Substrate As selected by architect to suit project requirements.

NOTE: Combine both SECTION and SUBSTRATE drawings for a complete listing of components.



STANDARD SIZES

48" x 96" (121.9cm x 243.8cm) 48" x 120" (121.9cm x 304.8cm) 48" x 144" (121.9cm x 365.8cm) 60" x 96" (152.4cm x 243.8cm) 60" x 120" (152.4cm x 304.8cm) 60" x 144" (152.4cm x 365.8cm)

Cut-to-size panels are available in any increment up to 60" x 144."

WARRANTY

Polyester Finishes: 5 years Panel Composition: 5 years Kynar 500 Finishes: 30 years Anodized Finishes: 20 years

RECYCLED CONTENT (BY WEIGHT)

Panels With Textured Face

Post-Consumer: 0.9%

Post-Industrial: 21.3 to 25.5%

Panels With Smooth Face

Post-Consumer: 0.8%

Post-Industrial: 31.5 to 34.7%

BENDING / CURVING

Panels and moldings may be curved on-site (worked along a substrate) or in a factory setting.

Min. Radius On-Site: 25' (most applications)

Min. Radius Factory:

PROCORE TWO PIECE MOLDING SYSTEM

MATERIAL PROPERTIES		
Component	Standard (in)	Metric (mm)
A. Prefinished Smooth Aluminum ¹	.010"	0.25mm
(or) Prefinished Smooth Aluminum ¹	.024"	0.61mm
B. High Density Polypropylene	.276"	7.00mm
C. Primed Smooth Aluminum	.010"	0.25mm

PANEL PROPERTIES				
Property		Standard (in)	Metric (mm)	
Panel Weight	Textured Face	0.63 lbs/ft ²	3.07 kg/m ²	
	Smooth Face	0.82 lbs/ft ²	4.02 kg/m ²	
Nominal Thickness		5/16"	7mm	
Thickness Tolerance		±1/32"	±0.79mm	
Length & Width Tolerance		+0, -1/8"	+0, -3.18mm	
Squareness		1/64" per lineal ft		
Flatness		visually flat		

FINISH PROPERTIES			
Finish	Туре	Coating	
Textured Polyester	1-coat	0.80 mil color	
Smooth Kynar 500®	2-coat PVDF (solid, mica)	0.20 mil primer + 0.80 mil color	
	3-coat PVDF (metallic)	0.20 mil primer + 0.80 mil color + 0.70 mil clear	
Smooth Anodized	Exterior Standard No. 1 ²	0.20 mil to 0.45 mil (depending on color)	

- 1 Prefinished aluminum skins are furnished with a PVC film for protection during shipment and installation.
- 2 Class I or Class II anodizing is available as a premium custom finish. However, the warranty remains the same and fabrication difficulties will result (increased crazing, cracking) due to the increased film thickness.

Citadel Architectural Products

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