

Gemini clips to be installed at mullion ends

MAX. FRAME SIZE (IN.)	IMPACT
72" x 72" OPERATOR	NO
72" x 72" FIXED	NO

EXTERIOR ELEVATION

FRAME ANCHOR REQUIREMENTS TABLE			
FRAME/CLIP TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.	
#10 PFH screws into frame and wood substrate	1-1/4"	See pg. 3	
#8 PFH Zinc treated screws into clip and wood substrate at an angle	1-1/2"		
#8 PFH Zinc treated screws into clip and frame	FULL	See pg. 2	

Installation Clips	Screws thru the Frame
Operating Unit	Operating Unit
Sides = 14-13/32" from corners & on center	Sides = #10 PFH screws spaced 12" from corners
Head & Sill = 18" from corners & on center	and on center.
	Head & Sill = #10 PFH screws spaced 12" from
Fixed Unit	corners and on center
Sides = 14-13/32" from corners & on center	
Head & Sill = 12" from corners & on center	Fixed Unit
	Sides = #10 PFH screws spaced 9" from corners and on center.
	Head & Sill = #10 PFH screws spaced 10-19/64"
	from corners and on center.

Installation Method

GENERAL NOTES

- 1. These units have been tested, analyzed, Hallmark certified, and FBC approved.
- 2. Bucking, openings, and bucking fasteners must be properly designed and installed to transfer wind loads to the structure. The unit was tested with 1/2" rough opening gap.
- 8. These units were tested with ponderosa pine bucks. Florida Building Code requires preservative treated southern pine bucks.
- 4. All hardware and fasteners shall be in accordance with these drawings and may not vary unless specifically mentioned on the drawings.
- 5. These units have been tested in accordance with and meet the requirements of the Florida Building Code.6. Impact shutters are required only with non-impact units.
- 7. All anchors shall be installed as specified on these drawings. Specified embedment base material shall be beyond wall finish or stucco.
- 8. Testing of one wood species covers all other species with an equal or higher modulus of elasticity and modulus of rupture.
- 9. Testing of primed covers testing of clad provided the cladding is not structural (extruded) or wraps around the gasket.
- 10. Testing of windows and door with a given width and thickness of solid stiles and rails covers products with wider and thicker solid stiles and rails provided that construction details are consistent.
- 11. Any fixed geometric shape that fits within the tested/approved size for a particular product type is qualified by the rectangular shape(s) provided the frame, sash, panels, components, and construction remain the same.
- 12. All fixed shaped units must fit inscribed into the allowable rectangular units and be governed by allowable design pressure or the respective rectangular unit.
- 13. Shims need to be located a maximum of 4" from each corner and a maximum of 4" from each anchor location.
- 14. Testing of a combination assembly qualifies the individual units of that assembly with width & height less than or equal to the individual test unit size. Anchorage of the individual units shall be at all perimeter locations in accordance with these drawings.

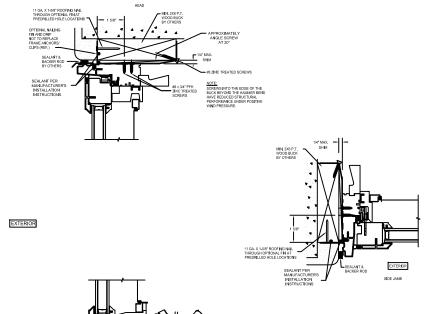


Ultra Series Operating/Fixed Casement

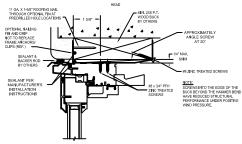
	FL# 22001		R&D No. 18154
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	Α		Date: 01/11/23
	В		Sheet: 1 of 3
	С		Drawing No. 18154

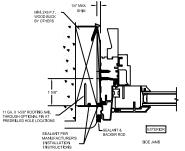
Installation Clip Installation - Combination Units

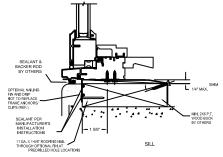
Casement



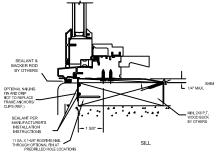
Casement Picture







EXTERIOR



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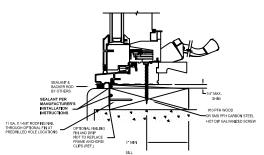
Ultra Series Operating/Fixed Casement

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	Revision	Drawn By: SES
Α		Date: 01/11/23
В		Sheet: 2 of 3
С		Drawing No. 18154A

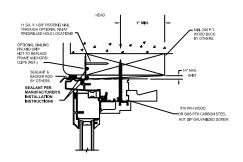
Screw Installation - Combination Units

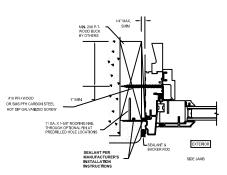
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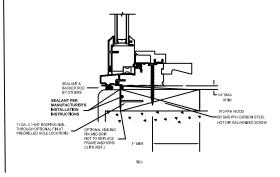
Casement



Casement Picture







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