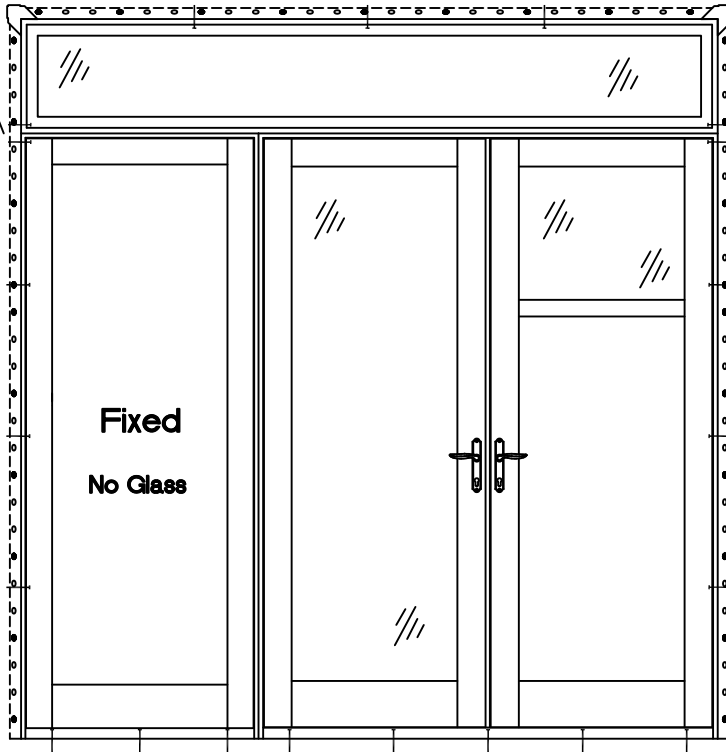


Gemini Clips
(Installation Clips installed reversed)
Qty. of 2 located at each end of Horizontal Mull



EXTERIOR ELEVATION

MAX. FRAME SIZE (IN.)	IMPACT
113 x 121 5/32	NO
APPLICABLE FOR SINGLE UNITS ONLY	

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. 2
#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 Method

Installation Clips	Screws thru the Frame
Sides = 19 33/64" from corners & on center Head = 22 21/64" from corners & on center Sill = None - Refer to screw installation	Sides = #10 PFH screws spaced 19 33/64" from corners & on center Head = #10 PFH screws spaced 22 21/64" from corners & on center French Door Sill = #10 PFH screws spaced 4" from corners & 13 13/32" on center Fixed Door Sill = #10 PFH screws spaced 4" from corners & one mid-span

GENERAL NOTES

- These units have been tested, analyzed, Hallmark certified, and FBC approved.
- 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.
- These units were tested with ponderosa pine bucks, Florida building code requires preservative treated southern pine bucks.
- All hardware and fasteners shall be in accordance with these drawings and may not vary unless specifically mentioned on the drawings.
- These units have been tested in accordance with and meet the requirements of the Florida Building Code.
- Impact shutters are required only with non-impact units.
- All anchors shall be installed as specified on these drawings. Specified embedment base material shall be beyond wall finish or stucco.
- Testing of one wood species covers all other species with an equal or higher modulus of elasticity and modulus of rupture.
- Testing of primed covers testing of clad as long as cladding is not structural (extruded), or wraps around the gasket.
- Testing of windows and doors 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.
- Any fixed geometric shape that fits within the tested/approved size for a particular product type is qualified by the rectangular shape(s) provided that the frame, sash, panels, components, and construction remain the same.
- All fixed shaped units must fit inscribed into the allowable rectangular units and be governed by allowable design pressure or the respective rectangular unit.
- Shims need to be located a maximum of 4" from each corner and a maximum of 4" from each anchor location.
- Plywood was used during testing to simulate the finished exterior of the structure. Actual finished exteriors will vary.

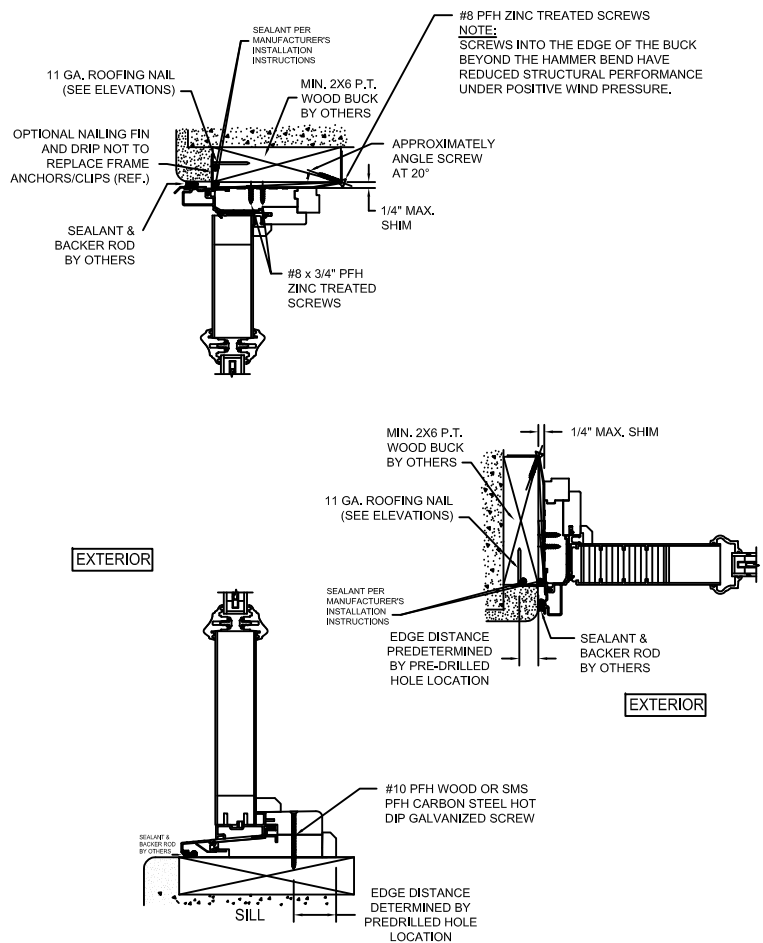
KOLBE 1323 South 11th Ave.
Wausau, WI 54401
715-842-5666
■ WINDOWS & DOORS ■

Ultra Series Operating Fiberglass
Outswing French Door Muller
Assembly

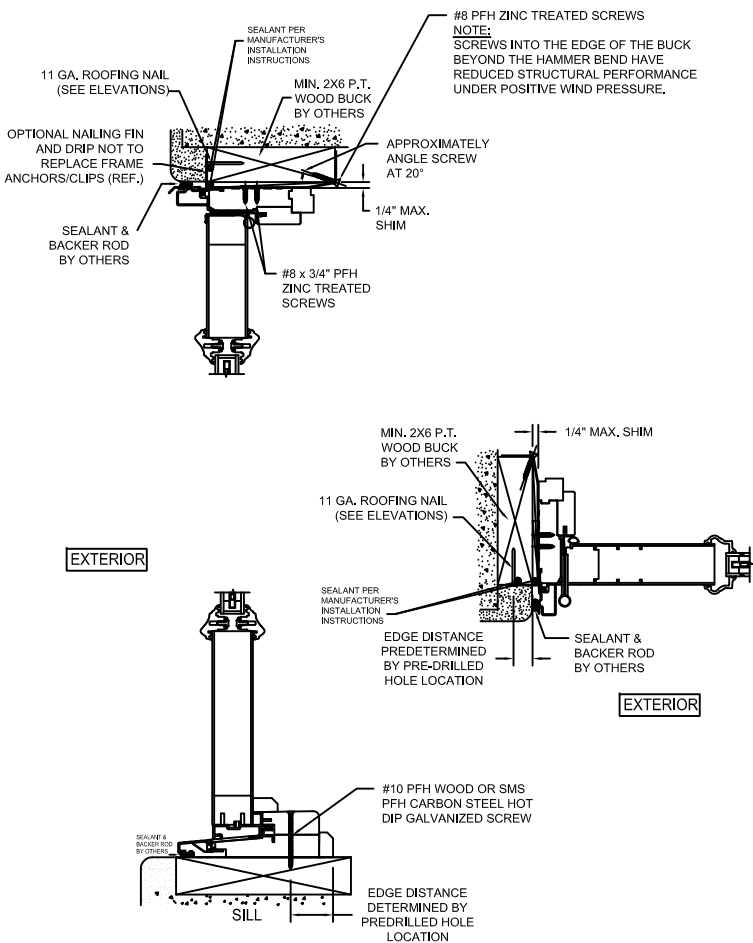
FL# 20405	R&D No. 14066
Revision	Drawn By: KSS
A	Date: 9/30/2015
B	Sheet: 1 of 3
C	Drawing No. 14066

Installation Clip Installation

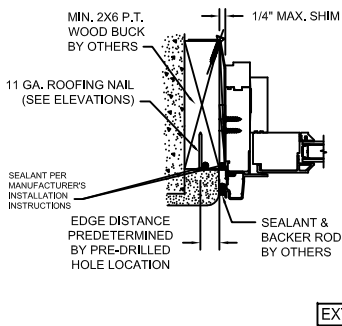
STATIONARY DOOR



FRENCH DOOR



TRANSOM



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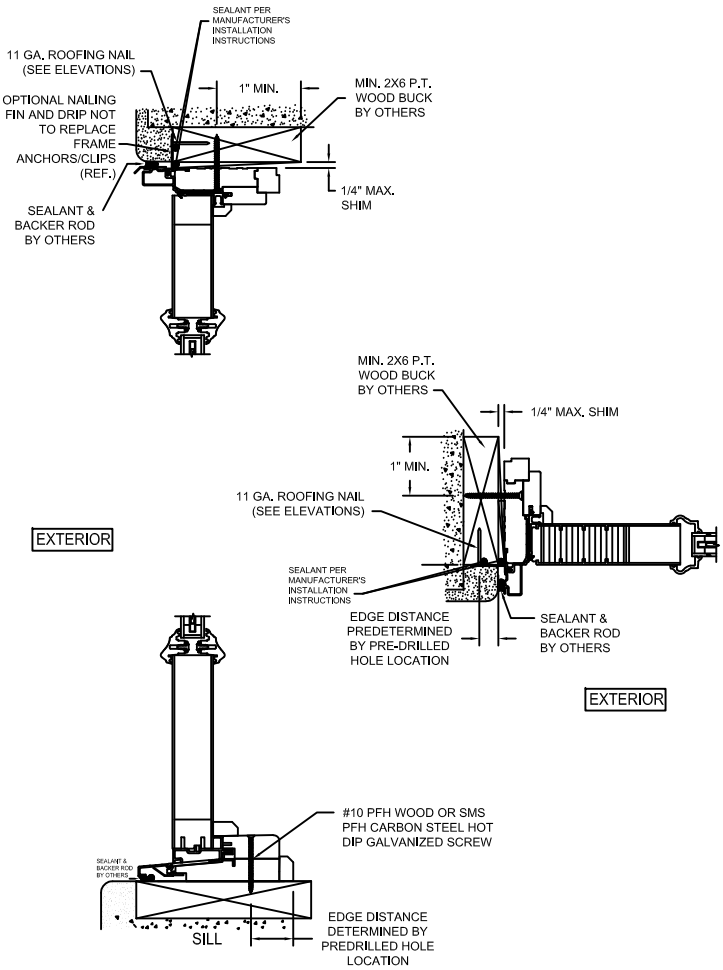
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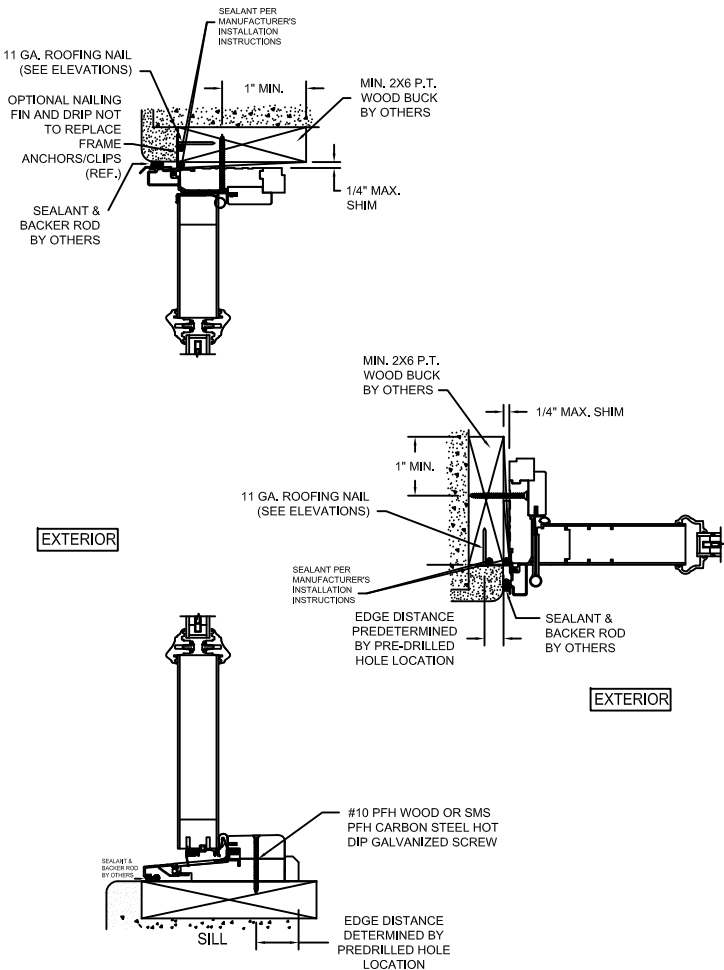
FL# 20405	R&D No. 14066
Revision	Drawn By: KSS
A	Date: 9/30/2015
B	Sheet: 2 of 3
C	Drawing No. 14066A

Screw Installation

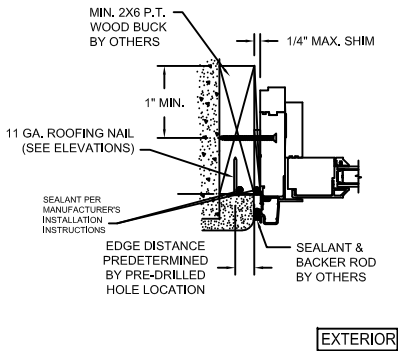
STATIONARY DOOR



FRENCH DOOR



TRANSOM



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Ultra Series Operating Fiberglass
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FL# 20405	R&D No. 14066
Revision	Drawn By: MTO
A	Date: 10/31/2019
B	Sheet: 3 of 3
C	Drawing No. 14066B