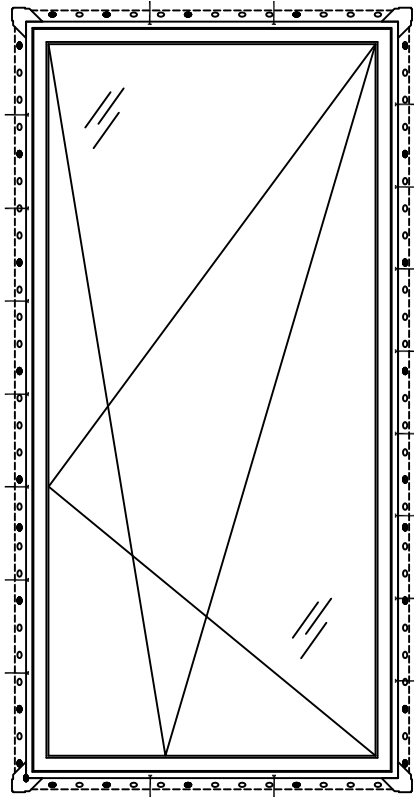




EXTERIOR ELEVATION

	MAX. FRAME SIZE (IN.)	IMPACT
Tilt Turn	48" x 96"	YES
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	—	—
#8 PFH Zinc treated screws into clip and frame	—	—

Installation Method

Installation Clips	Screws thru the Frame
N/A	Sides = 8-3/4" from corners and on center Head = 12" from corners and on center Sill = 12" from corners and on center

GENERAL NOTES

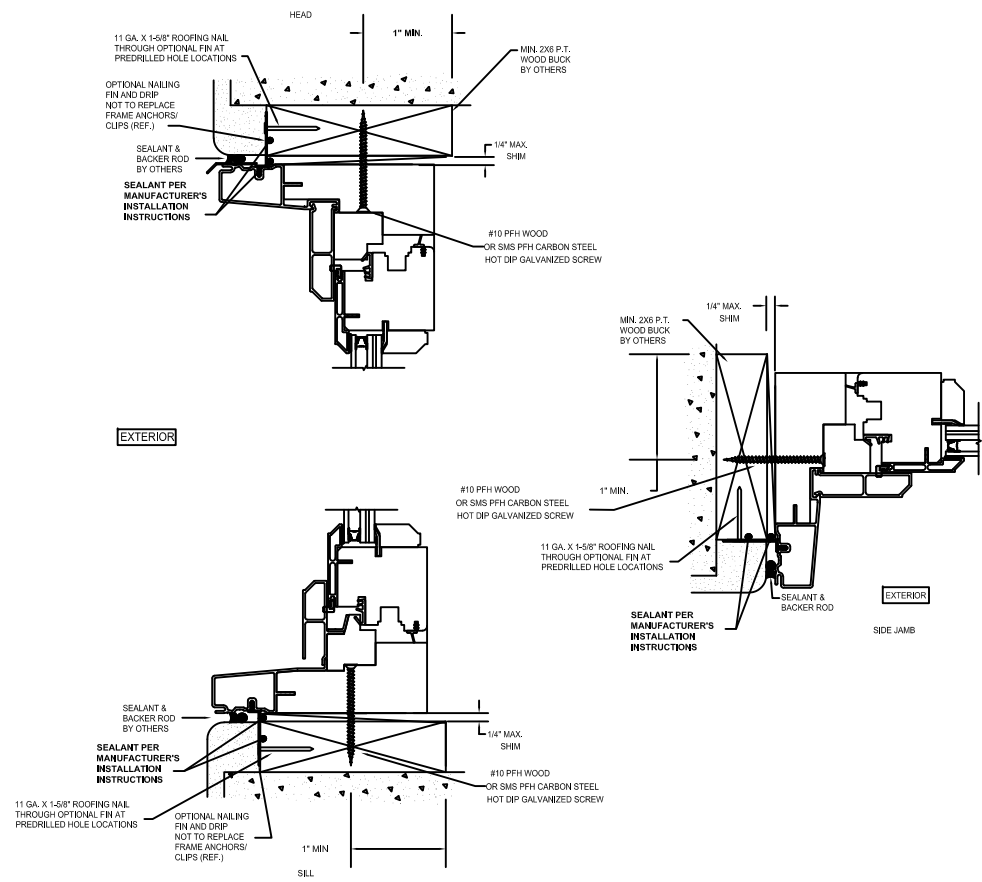
- These units have been tested, analyzed, Hallmark certified, and FBC approved.
- Bucking, openings, and bucking fasteners must be properly designed and installed to transfer wind loads to the structure. The unit was tested with 1/2" rough opening gap.
- These units were tested with ponderosa pine bucks, 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 shapes 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
■ WINDOWS & DOORS ■ 715-842-5666

Ultra Series
Tilt Turn

FL# 16932	R&D No. 13057
Revision	Drawn By: JRK
A	Date: 04/12/18
B	Sheet: 1 of 2
C	Drawing No. 13057

Screw Installation



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.
- 3. 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 as long as cladding is not structural (extruded), or wraps around the gasket.
- 10. 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.
- 11. Any 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.
- 12. All 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. Plywood was used during testing to simulate the finished exterior of the structure. Actual finished exteriors will vary.



1323 South 11th Ave.
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■ WINDOWS & DOORS ■

Ultra Series Tilt Turn	
FL# 16932	R&D No. 13057
Revision	Drawn By: JRK
A SES 12/18/20	Date: 04/11/18
B	Sheet: 2 of 2
C	Drawing No. 13057A