



Clad FeelSafe Outswing Door
Fixed / Operating / Operating
3-2/6-4/3-2 x 8-3

½ Structural Nail Fin & ½ Thru-Frame Installation

TEST REPORT SUMMARY:

- MAXIMUM BASIC UNIT FRAME SIZE:
SINGLE DOORS: 38 1/2"(978mm) x 98 1/2"(2502mm)
DOUBLE DOOR: 75 1/2"(1918mm) x 98 1/2"(2502mm)
- OVERALL DESIGN PRESSURE: +65.16/-70.18 psf
- STRUCTURAL TEST PRESSURE: +97.74/-105.26 psf
- RATING: LC-PG65

CCL Listing# 436-H-x611.86

Element Test Report Number: **ESP025782P-2183 Unit 12**

Clad FeelSafe Outswing Door Fixed/Operating/Operating

½ Nail Fin & ½ Thru-Frame Installation / WDMA Instructions / Impact

SHEET: 1 OF 3

UPDATED: 9/27/2018

DRAWN BY: B.K.

INSTALLATION NOTES:

1. USE 2" x PINE FOR WOOD BUCK
2. 1/4" MAXIMUM SHIM SPACE AT JAMBS
 - 1/2" MAX. SHIM SPACE AT HEAD
 - PLACE WOOD SHIM EVERY 6-10" AT HEAD & SIDES
3. APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE NAIL FIN AND THE BUCK, AT HEAD AND SIDE JAMBS
4. APPLY (3) CONTINUOUS BEADS OF 1/4" SILICONE SEALANT AT THE SILL PRIOR TO INSTALLING DOOR. APPLY AT INSIDE EDGE, MIDDLE AND OUTSIDE EDGE OF SILL, WHERE THE DOOR SILL WILL COME IN CONTACT WITH SEALANT.
5. INSTALL #8 X 1-1/4" PPH SCREWS SPACED APPROXIMATELY 2" FROM EACH CORNER AND 8" ON CENTER THEREAFTER THROUGH THE STRUCTURAL NAIL FIN AT HEAD & JAMBS AND SILL, INTO THE FRAMING MATERIAL A MINIMUM OF 1" EMBEDMENT, 1/4" MINIMUM EDGE DISTANCE.
 - SILICONE SEAL OVER SCREW HEADS
 - FULLY SEAL ALL GAPS AT EACH CORNER OF THE UNIT AND THE ROUGH OPENING
 - PUT A CONTINUOUS CAP BEAD OF SILICONE ACROSS ENTIRE LENGTH OF THE HEAD, SILL & JAMBS NAIL FIN
6. INSTALL THE FIXED/ACTIVE SIDE OF THE UNIT USING #8 X 32MM (1-1/4") PPH SCREWS SPACED 51MM (2") FROM EACH CORNER AND 203MM (8") ON CENTER THROUGH THE EXTRUDED NAILING FIN AT THE HEAD AND SIDE AND THE VINYL NAIL FIN AT THE SILL. APPLY SILICONE SEALANT OVER THE SCREW HEADS. ONE #10 X 76MM (3") PFH SCREW WAS PLACED 76MM (3") FROM EACH SIDE OF THE MULL AT THE SILL. INSTALL ONE #10 X 64MM (2-1/2") PFH SCREW 76MM (3") FROM EACH SIDE OF THE MULL AT THE HEAD. THE SEMI-ACTIVE/ACTIVE SIDE OF THE UNIT INSTALL #10 X 64MM (2-1/2") PFH SCREWS SPACED 152MM (6") FROM THE CORNERS AND 381MM (15") ON CENTER AT THE HEAD AND SIDE JAMB. THE SILL WAS SILICONED TO THE BUCK AND UTILIZED #10 X 76MM (3") PFH SCREWS SPACED (15-1/2") ON CENTER. INSTALL ONE #10 X 76MM (3") PFH SCREW PLACED 76MM (3") FROM EACH SIDE OF THE MULL AT THE SILL. INSTALL ONE #10 X 64MM (2-1/2") PFH SCREW PLACED 76MM (3") FROM EACH SIDE OF THE MULL AT THE HEAD. INSTALL THE FRENCH DOOR HEAD STRIKE AND SILL STRIKE PLATE COVER WITH THREE #10 X 64MM (2-1/2") PFH SCREWS INTO THE BUCK. INSTALL ONE #12 X 32MM (1-1/4") PFH SCREW PLACED THROUGH EACH HINGE INTO THE JAMB.
7. APPLY BACKER ROD WITH A CAP BEAD OF SILICONE AROUND PERIMETER WITH NO NAIL FIN.

MAXIMUM OVERALL SIZE: B.U.S. (Basic Unit Size):

SINGLE DOORS: 38 1/2"(978mm) x 98 1/2"(2502mm)

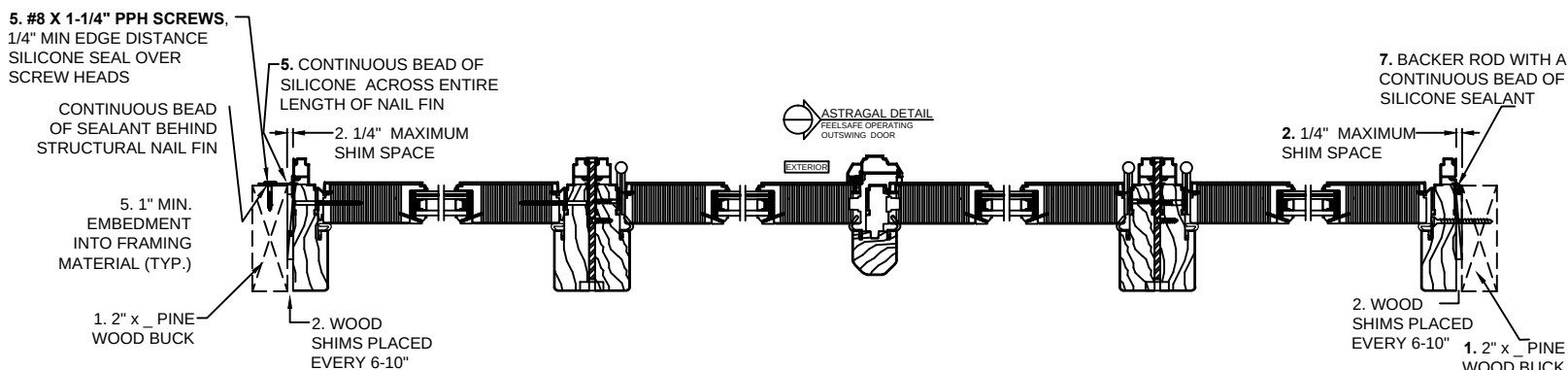
DOUBLE DOOR: 75 1/2"(1918mm) x 98 1/2"(2502mm)

GENERAL INSTALLATION NOTES:

- Check rough opening for proper size, plumb, level and square.
- Make all necessary adjustments to ensure rough opening is plumb, level & square.
- Sill must be flat, level and capable of supporting the weight of the unit.
- Opening must allow a maximum of 1/4" shim space at head, sill and jambs.
- Consult full installation instructions found on the Sierra Pacific web site, www.sierrapacificwindows.com, for all recommended installation procedures.
- Wood buck, framing, fasteners, sealant and all wall system materials are provided by others

FLASHING

- For units that have to meet a specific DP (Design Pressure) rating, any kind of building wrap must be folded and taped away from each rough opening before the unit is installed. Unit must come in contact with the building's bare sheathing. A bead of silicone must be applied to the backside of the nail fin where it meets the unit, at head and jambs.
- Once unit is installed and flashed properly, the building wrap must be reapplied and trimmed flush with the unit's exterior. A bead of sealant must be placed along the seam joint of the building wrap and the unit. Tape the corner cuts in the building wrap. See full sliding patio door installation brochure for complete flashing details.



Installation requirements may vary in particular locations and in other types of construction. Proper installation is essential, and Sierra Pacific Windows, recommends consultation with an AAMA Certified Installer, or other qualified, registered building professional before installation of any SPW. Proper installation of SPW products is the responsibility of the installer. SPW is not responsible for proper installation. SPW is not responsible for the design of, conditions in, or performance of building construction beyond the perimeters of the SPW units. SPW is not responsible for proper integration of the SPW units with the weather-repellent systems of the building.



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$\frac{1}{2}$ Nail Fin & $\frac{1}{2}$ Thru-Frame Installation / WDMA Instructions / Impact

SHEET: 2 OF 3

UPDATED: 9/27/2018

DRAWN BY: B.K.

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GLAZING SPECIFICATION

LAMINATED INSULATED GLASS - DH/SH

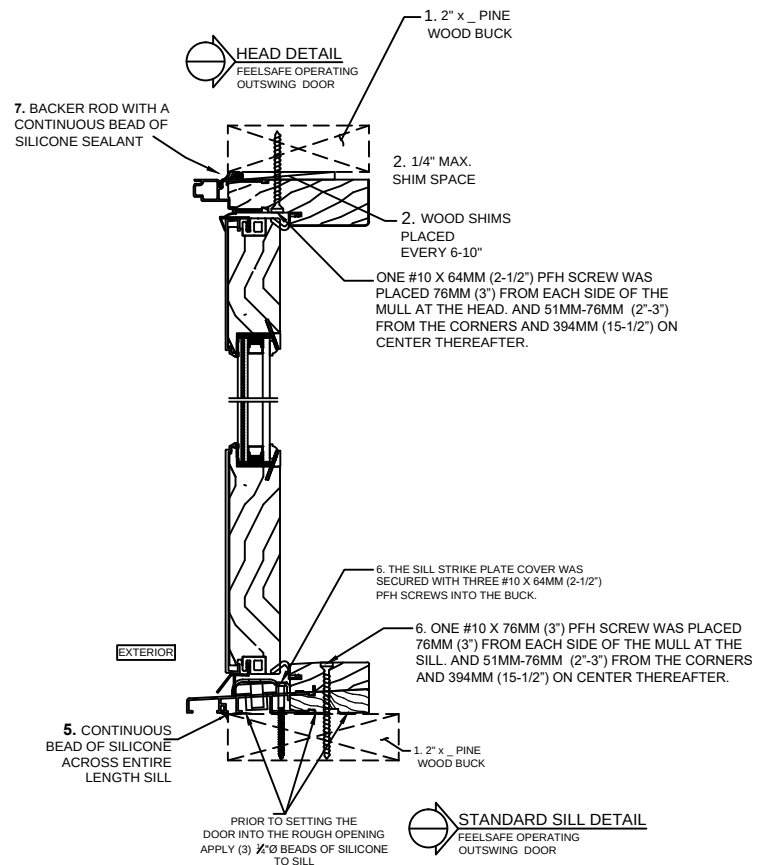
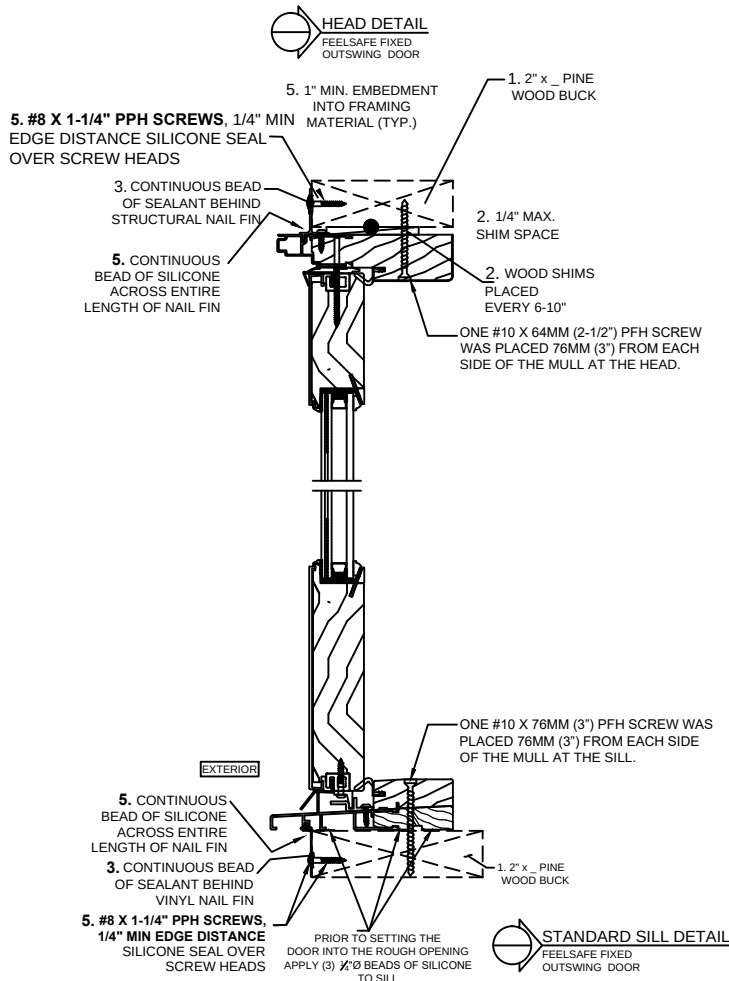
1" O.A. THICKNESS IGU CARDINAL, CONSISTING OF 1/4" TEMPERED INTERIOR LITE X 7/16" STAINLESS STEEL BOX SPACER X LAMI CONSISTING OF 1/8" ANNEALED GLASS X .090" SAFLEX PVB INTERLAYER X 1/8" ANNEALED GLASS

SAFLEX PVB INTERLAYER: NOA No. 18-0301.05

NOTES:

1. NEOPRENE SETTING BLOCKS WITH 70 TO 90 SHORE A DUROMETER HARDNESS ARE REQUIRED.
2. AS-TESTED IGU LAMINATED SYSTEM SHOWN.

INTERIOR GLAZED UTILIZING AN INSULATING GLASS UNIT. A CONTINUOUS BEAD OF SILICONE GLAZING COMPOUND (1/8" X 1/4") IS APPLIED TO THE GLASS/EXPOSED SASH CLADDING WITH A (5/8") GLASS BITE AND THEN BACKFILLED. THE INTERIOR GLAZING BEADS WERE SECURED WITH 18 GAUGE X (1") LONG T-NAILS SPACED (2") FROM EACH CORNER AND (10" - 12") ON CENTER. GLASS SETTING BLOCKS WERE USED AROUND THE GLASS TO SASH.





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SHEET: 3 OF 3

UPDATED: 9/27/2018

DRAWN BY: B.K.

ELEVATION SHOWING FASTENER LOCATION & SPACING

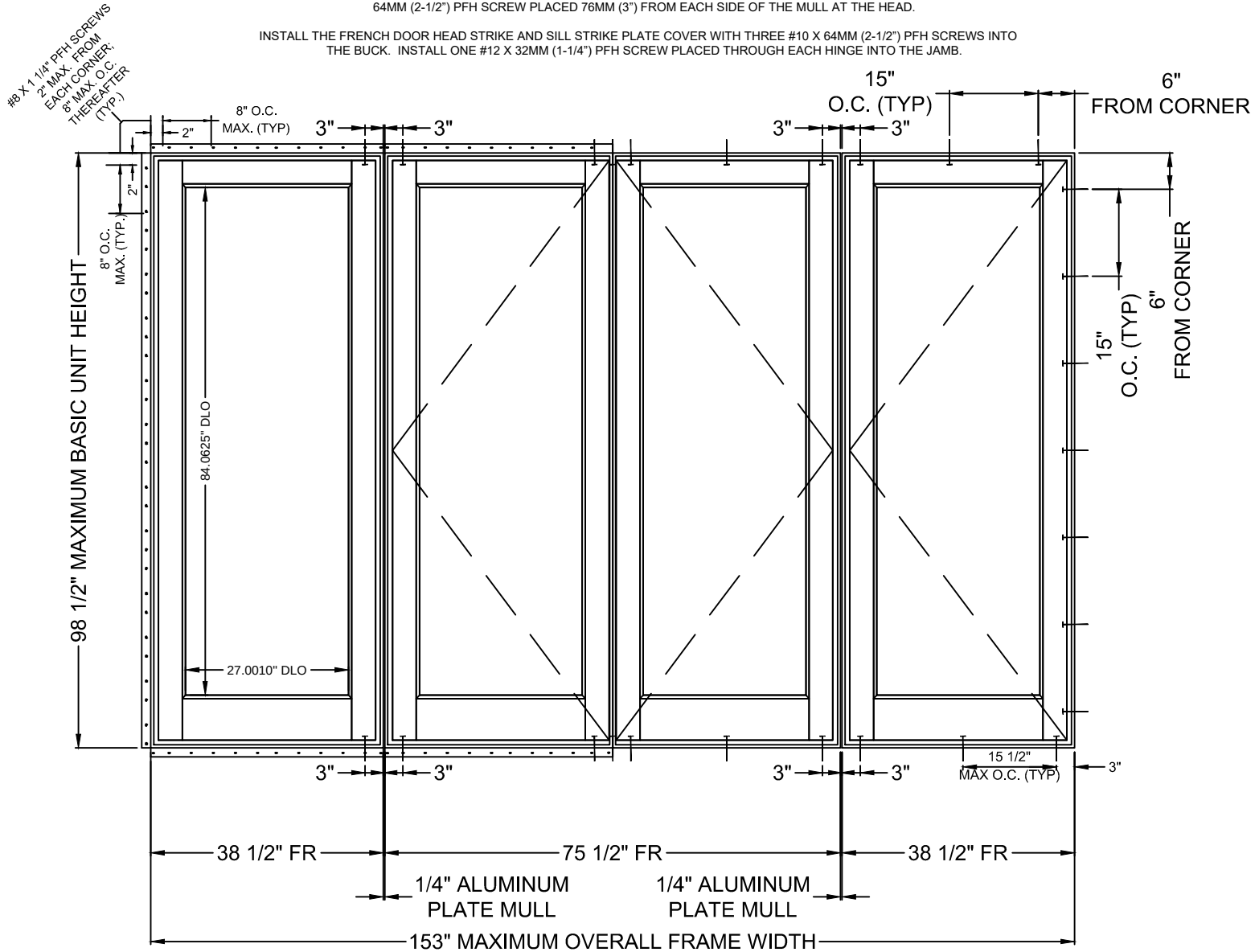
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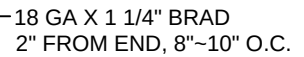
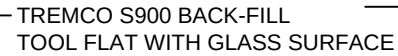
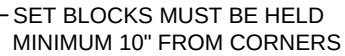
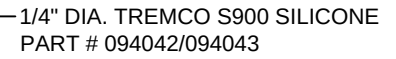
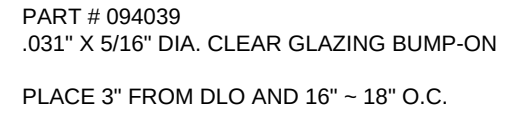
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TRIM EXCESS
SQUEEZE-OUT

NO.	DESCRIPTION	ECN #	DATE	BY			FeelSafe Patio Door Outswing Laminated Insulated (IG) Glass Glazing Detail		 SIERRA PACIFIC WINDOWS Medford & Merrill, WI Red Bluff, CA
							DRAWN: PAS 05/12/09	SCALE 1 : 2	
							CHKD:	PAGE 1 OF 1	
					TOLERANCES UNLESS SPECIFIED, ALL WOOD DIMENSIONS: XX.XXX±0.005 LENGTH DIMS±0.015 ANGLES±0.5 °		DRW NO.	FSESPD 250 020	
					THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION. DO NOT COPY OR DISCLOSE WITHOUT CONSENT OF SIERRA PACIFIC WINDOWS				