



ES Clad/Wood Outswing Patio Door,  
87 3/4" x 98 1/2" Frame Size  
Dual Swing (Manual Activated Shoot Bolts)  
Vinyl Nail Fin Installation / Non-Impact

CCL Listing# 436-H-611.55

ELEMENT TEST REPORT NUMBER: **ESP024671P-2108**

Clad/Wood Outswing (Wide Stile) Dual Swing - 2 WIDE  
(Manual Activated Shoot Bolts)

Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact

SHEET: 1 OF 2

UPDATED: 4/14/2017

DRAWN BY: B.K.

TEST REPORT SUMMARY:

- MAXIMUM BASIC UNIT FRAME SIZE:  
87 3/4" (2229mm) X 98 1/2" (2502mm)
- STRUCTURAL DESIGN PRESSURE: **±60.15 psf**
- STRUCTURAL TEST PRESSURE: **±90.23 psf**
- RATING: **LC-PG60**

INSTALLATION NOTES:

1. USE 2" x PINE WOOD BUCK
2. 1/4" MAXIMUM SHIM SPACE AT EACH JAMB. 1/4" MAXIMUM SHIM SPACE AT HEAD
  - PLACE WOOD SHIMS EVERY 6-10"
3. APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE NAIL FIN AND THE BUCK, AT HEAD, SILL AND JAMBS
  - PRIOR TO INSTALLING DOOR, PLACE (3) ROWS OF 1/4" Ø CONTINUOUS BEADS OF SILICONE AT SILL IN LOCATIONS INDICATED
  - APPLY AT INSIDE EDGE, MIDDLE AND OUTSIDE EDGE OF SILL, WHERE THE DOOR SILL WILL COME IN CONTACT WITH SEALANT
4. INSTALL #8 X 1-1/4" PPH SCREWS SPACED APPROXIMATELY 1-3" FROM EACH CORNER AND 7-8" ON CENTER THEREAFTER THROUGH THE VINYL NAIL FIN AND INTO THE FRAMING MATERIAL, 3/8" MINIMUM EDGE DISTANCE, SILICONE SEAL OVER SCREW HEADS
  - PUT A CONTINUOUS CAP BEAD OF SILICONE ACROSS ENTIRE LENGTH OF THE HEAD & JAMBS VINYL NAIL FIN
  - FULLY SEAL ALL GAPS AT EACH CORNER OF THE UNIT AND THE ROUGH OPENING
5. 1" MINIMUM FASTENER EMBEDMENT INTO FRAMING MATERIAL
6. MAXIMUM DOOR SIZE: B.U.S. (Basic Unit Size) = 87 3/4" (2229mm) x 98 1/2" (2502mm)
7. INSTALL THE HEAD STRIKE PLATE WITH QTY (3) #10 X 2-1/2" PFH SS SCREWS (SCREWS PROVIDED BY OTHERS). SCREWS ARE TO GO THRU THE STRIKE PLATE INTO THE HEAD AND INTO THE FRAMING MATERIAL
8. INSTALL THE SILL STRIKE PLATE WITH QTY (3) #10 X 2 1/2" PFH SS SCREWS (SCREWS PROVIDED BY OTHERS). SCREWS ARE TO GO THRU THE STRIKE PLATE INTO THE SILL AND INTO THE FRAMING MATERIAL

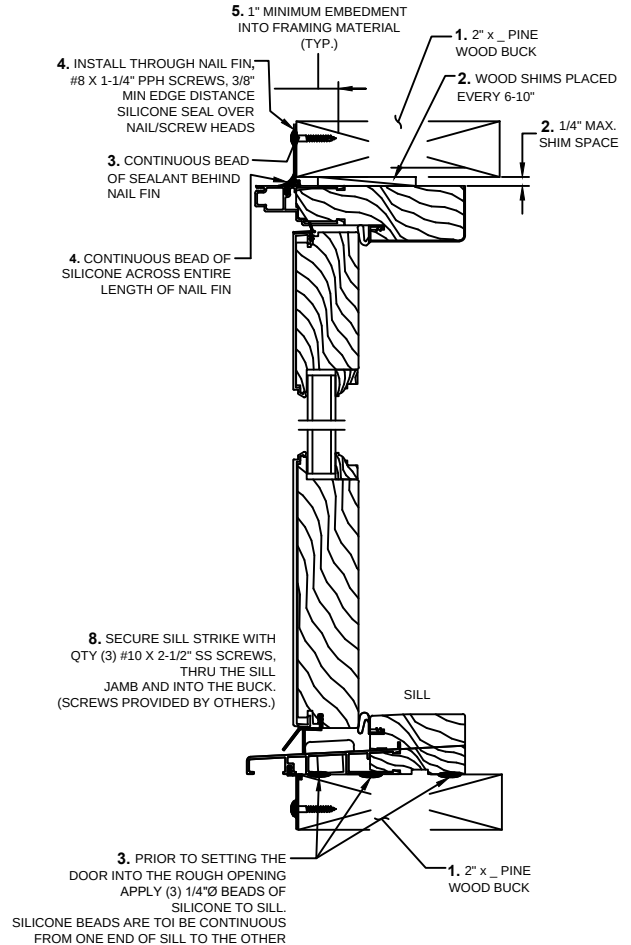
GENERAL INSTALLATION NOTES:

- 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 should allow a maximum of 1/4" shim space at head and jambs.
- Consult full installation instructions found on the Sierra Pacific web site, [www.hurd.com](http://www.hurd.com), for all recommended installation procedures.
- Wood buck, framing, fasteners, sealant and all wall system materials are provided by others, unless otherwise noted.

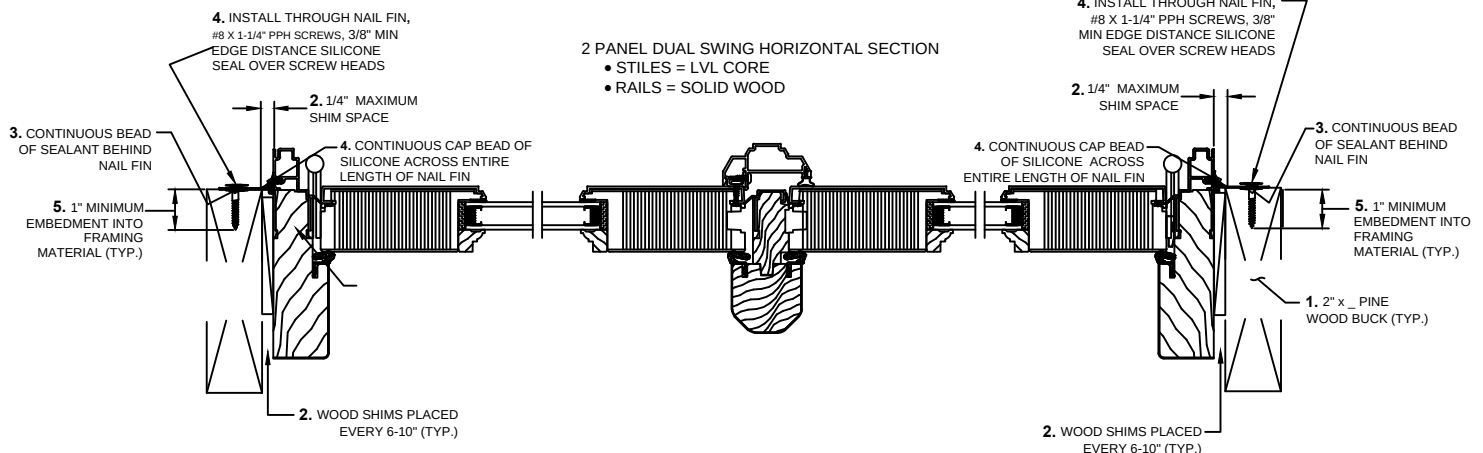
FLASHING:

- 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, untape the building wrap and trim 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 window installation brochure for complete flashing details.

2 PANEL DUAL OUTSWING VERTICAL SECTION



2 PANEL DUAL SWING HORIZONTAL SECTION



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 Sierra Pacific product. Proper installation of Sierra Pacific products is the responsibility of the installer. Sierra Pacific is not responsible for proper installation. Sierra Pacific is not responsible for the design of, conditions in, or performance of building construction beyond the perimeters of the Sierra Pacific units. Sierra Pacific is not responsible for proper integration of the Sierra Pacific units with the weather-repellent systems of the building.



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SHEET: 2 OF 2

UPDATED: 4/14/2017

DRAWN BY: B.K.

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**THROUGH NAIL FIN ANCHOR REQUIREMENTS TABLE**

| THROUGH NAIL FIN with SCREWS                                                                                                                                                                                                                                                                                                                                                  |                                                                                    |                  |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------|-----------------------|
| OPENING TYPE<br>(SUBSTRATE)                                                                                                                                                                                                                                                                                                                                                   | FRAME TO OPENING FASTENER TYPE,<br>FASTENER SPACING                                | MINIMUM<br>EMBED | MINIMUM<br>EDGE DIST. |
| 2X_ WOOD<br>FRAME OR BUCK                                                                                                                                                                                                                                                                                                                                                     | #8 x 1-1/4" PPH SCREWS SPACED 1-3" FROM<br>EACH CORNER & 7-8" ON CENTER THEREAFTER | 1"               | 3/8"                  |
| ANCHORS MUST BE INTO A MIN. 2X_ WOOD MEMBER. IF SPACE BETWEEN WALL FRAME & WINDOW FRAME IS GREATER THAN THAT REQUIRED FOR A 2X_ WOOD MEMBER AND A SPACE EXISTS, THE SPACE MUST BE FILLED WITH A WOOD MEMBER OF EQUAL DEPTH TO THE WINDOW FRAME MEMBER OR BUCK AND OF LENGTH = MIN. 20". THE FRAME ANCHOR MUST THEN BE RUN THROUGH THE FRAME & WOOD SHIM AND INTO THE OPENING. |                                                                                    |                  |                       |

**HEAD & SILL STRIKES**

- INSTALL THE HEAD STRIKE PLATE WITH QTY (3) #10 X 2-1/2" PFH SS SCREWS (SCREWS PROVIDED BY OTHERS). SCREWS ARE TO GO THRU THE STRIKE PLATE INTO THE HEAD AND INTO THE FRAMING MATERIAL
- INSTALL THE SILL STRIKE PLATE WITH QTY (3) #10 X 2 1/2" PFH SS SCREWS (SCREWS PROVIDED BY OTHERS). SCREWS ARE TO GO THRU THE STRIKE PLATE INTO THE SILL AND INTO THE FRAMING MATERIAL

**ELEVATION SHOWING  
FASTENER LOCATION & SPACING (TYP.)  
MAXIMUM DOOR SIZE  
OVERALL BASIC UNIT FRAME =  
87 3/4" (2229mm) x 98 1/2" (2502mm)**

