



Town of Howey-in-the-Hills

Date:

Building Permit Application

Alt Key: 2514728

Building Permit #

Owners Name:

Howey Holdings, LLC

Phone #

Owners Address:

884 S. Dillard St WG, FL

Fax #

Fee Simple Titleholder (If other than Owner)

Fee Simple Address (If other than Owner)

City:

Winter Garden

State: FL

Zip Code: 34787

Contractor's name:

Oak Tree Construction, LLC

Phone #

Contractor's Address:

100 Island Drive

Fax #

Contractor's State Certification or Registration No:

City:

Howey in the Hills

State: FL

Zip Code: 34737

Job Name:

Estimated Job Value: \$ 78,000

Job Address

104 S. Palm Ave

Sub. Div.:

of Stories

City:

Howey-in-the-Hills

State:

FL

Zip Code: 34737

Job Description:

Tenant Improvements

Total Square Footage:

No. of Bed Rms.

Proposed occupancy:

Business

Current Code: Florida Building Code 2014

Legal Description:

Section: 25

Township: 20

Range: 25

Lot: 23A

Bonding company:

N/A

Bonding Company Address:

City:

State:

Zip Code:

Architect/ Engineer:

William P Stohrke, PE

Phone #:

(407) 920-3119

Architect/ Engineer Address:

12215 Rebecca's Run

Fax #:

City:

Winter Garden

State: FL

Zip Code: 34787

PE# 22150

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with the applicable laws regulating construction and development, and that the building is designed per code-mandated wind load design.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

THE ISSUANCE OF A BUILDING PERMIT DOES NOT ASSURE THE BUILDING SETBACKS HAVE BEEN MET OR THAT THE STRUCTURE DOES NOT ENCROACH ON AN EASEMENT OR OTHER PROPERTY. THE OWNER AND / OR CONTRACTOR HAVE THE SOLE RESPONSIBILITY OF DETERMINING COMPLIANCE WITH SETBACKS AND NON-ENCROACHMENT OF EASEMENTS AND OTHER PROPERTY. IF THE BUILDING OFFICIAL DETERMINES THE STRUCTURE DOES NOT MEET APPLICABLE SETBACKS OR IMPROPERLY ENCROACHES ON AN EASEMENT OR OTHER PROPERTY, THE OWNER IS RESPONSIBLE FOR MOVING THE STRUCTURE, RESTORING THE EASEMENT AND OTHER PROPERTY TO ITS ORIGINAL CONDITION, OR OTHERWISE MAKING THE STRUCTURE COMPLY WITH THE TOWN OF HOWEY-IN-THE-HILLS' SETBACKS AND OTHER LAND USE REQUIREMENTS.

Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a separate permit must be secured for ELECTRICAL WORK, PLUMBING, SIGNS, WELLS, POOLS, FURNACES, BOILERS, HEATERS, SPAS, TANKS and AIR CONDITIONERS, etc.

Signature:

Owner or Agent

Contractor signature:

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON: August 21, 2019
 BY C. Dick Asma HE/SHE IS PERSONALLY KNOWN TO ME OR HAS
 PRESENTED AS IDENTIFICATION AND WHO DID OR DID

NOT TAKE AN OATH.



Elizabeth Millan
 Notary Public

Electrician:	License #	Phone #
Plumber:	License #	Phone #
Mechanical:	License #	Phone #
Concrete:	License #	Phone #
Mason:	License #	Phone #
Roofer:	License #	Phone #
Framer:	License #	Phone #
Gas:	License #	Phone #
Irrigation:	License #	Phone #



TOWN OF HOWEY IN THE HILLS
LOCAL BUSINESS TAX RECEIPT
OCTOBER 1, 2019 – SEPTEMBER 30, 2020

PERMIT #: 2019-026

This tax receipt does not permit the holder to operate in violation of any Town law, ordinance or regulation. Any change in location or ownership must be approved by the Town, subject to zoning restrictions. This tax receipt does not constitute and endorsement, approval or disapproval of the holder's skill competence.

Oak Tree Construction, LLC
100 Island Drive
Howey-in-the-Hills, FL. 34737

TOWN OF HOWEY IN THE HILLS
P.O. Box 128
HOWEY-IN-THE-HILLS, FL 34737
(352)-324-2290

POST IN A CONSPICUOUS PLACE IN THE PLACE OF BUSINESS


Town Clerk

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	Sierra Pacific	Swinging Doors	FL-14290.7
B. SLIDING			
C. SECTIONAL			
D. ROLL UP			
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG			
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. DOUBLE HUNG			
E. FIXED	Sierra Pacific	Fixed windows	FL-21429
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I. MULLION			
J. WIND BREAKER			
K. DUAL ACTION			
L. OTHER			
3. PANEL WALL			
A. SIDING			
B. SOFFITS			
C. EIFS			
D. STOREFRONTS			
E. CURTAIN WALLS			
F. WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES			
B. UNDERLAYMENTS			
C. ROOFING FASTENERS			
D. NON-STRUCTURAL METAL ROOFING			
E. WOOD SHINGLES AND SHAKES			
F. ROOFING TILES	Eagle Roofing	Barrel tile roof	FL-7473-K5
G. ROOFING INSULATION			
H. WATERPROOFING			
I. BUILT UP ROOFING ROOF SYSTEMS			
J. MODIFIED BITUMEN			
K. SINGLE PLY ROOF SYSTEMS			
L. ROOFING SLATE			
M. CEMENTS-ADHESIVES COATINGS			



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

FL #	FL7473-R5								
Application Type	Affirmation								
Code Version	2010								
Application Status	Approved								
Comments									
Archived	<input type="checkbox"/>								
Product Manufacturer	EAGLE ROOFING PRODUCTS FLORIDA LLC								
Address/Phone/Email	1575 East CR 470 Sumterville, FL 33858 (800) 400-3245 annettes@eagleroofting.com								
Authorized Signature	Annette Sindar annettes@eagleroofting.com								
Technical Representative	Greg Peterson								
Address/Phone/Email	1575 East CR 470 Sumpterville, FL 33585 (800) 400-3245 gregp@eagleroofting.com								
Quality Assurance Representative									
Address/Phone/Email									
Category	Roofing								
Subcategory	Roofing Tiles								
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received								
Florida Engineer or Architect Name who developed the Evaluation Report	Robert Nieminen								
Florida License	PE-59166								
Quality Assurance Entity	Architectural Testing, Inc.								
Quality Assurance Contract Expiration Date	12/31/2014								
Validated By	John W. Knezevich, PE <input type="checkbox"/> Validation Checklist - Hardcopy Received								
Certificate of Independence	FL7473 R5 COI Trinity ERD CI - Nieminen.pdf								
Referenced Standard and Year (of Standard)	<table> <thead> <tr> <th>Standard</th><th>Year</th></tr> </thead> <tbody> <tr> <td>ASTM C1492</td><td>2003</td></tr> <tr> <td>FRSA/TRI 07320</td><td>2005</td></tr> <tr> <td>SSTD 11</td><td>1997</td></tr> </tbody> </table>	Standard	Year	ASTM C1492	2003	FRSA/TRI 07320	2005	SSTD 11	1997
Standard	Year								
ASTM C1492	2003								
FRSA/TRI 07320	2005								
SSTD 11	1997								



Clad Double Hung Operating Window 2-Wide with Concealed Jambliner Vinyl Nail Fin Installation / Non-Impact

TEST REPORT SUMMARY:

- 2-WIDE UNIT SHOWN. More than 2 windows may be mulled together (Mullion may be Horizontal or Vertical.)
- SINGLE UNIT, MAXIMUM BASIC UNIT FRAME SIZE:
37.5" (953mm) X 76.75" (1949mm)
- OVERALL DESIGN PRESSURE: 50 psf
- STRUCTURAL TEST PRESSURE: +50/-50 psf
- RATING: LC-PG50

CCL Listing# 436-H-579.32

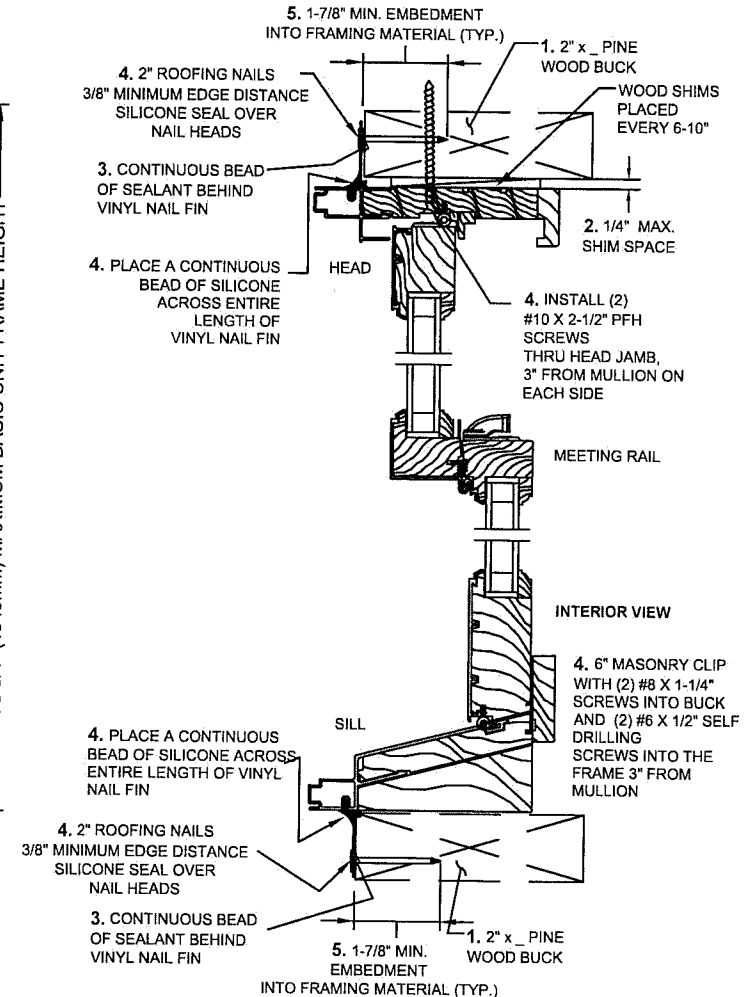
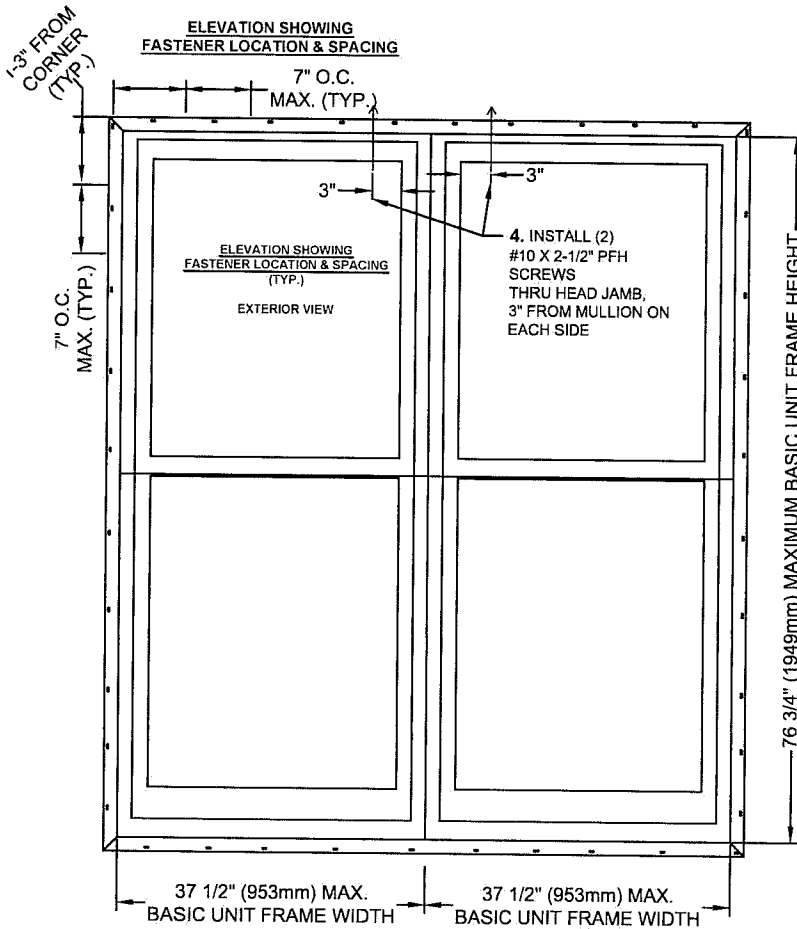
ATT TEST REPORT #: E0330.01-602-44

Aluminum Clad Wood Double Hung Mulled Operating Windows Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact

SHEET: 1 OF 1

Updated: 03/07/2018

DRAWN BY: H.W.D.

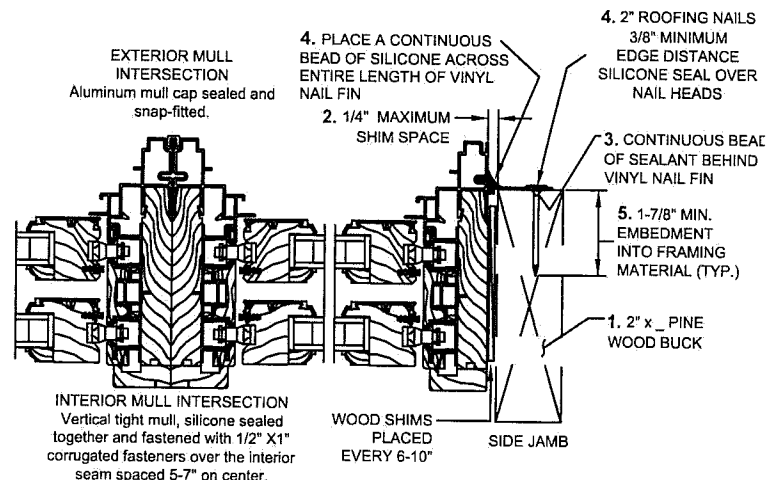


INSTALLATION NOTES:

1. USE 2" x PINE WOOD BUCK.
 - PLACE WOOD SHIMS EVERY 6-10"
2. 1/4" MAXIMUM SHIM SPACE AT HEAD & JAMB
3. APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE VINYL NAIL FIN AT THE HEAD, SILL & SIDE JAMBS AND THE BUCK
4. INSTALL 2" ROOFING NAILS SPACED APPROXIMATELY 1-3" FROM EACH CORNER AND 7" ON CENTER THEREAFTER THRU THE VINYL NAIL FIN AT HEAD AND THRU THE VINYL NAIL FIN AT SILL AND SIDE JAMBS
 - AT THE INTERIOR OF THE UNIT, PLACE 6" MASONRY CLIP W/ (2) #8 X 1 1/4" SCREWS INTO THE BUCK AND (2) #6 X 1/2" SELF DRILLING SCREWS INTO THE FRAME
 - INSTALL (2) #10 X 2-1/2" PFH SCREWS THRU HEAD JAMB, 3" FROM MULLION ON EACH SIDE.
 - PLACE A CONTINUOUS BEAD OF SILICONE ACROSS ENTIRE LENGTH OF VINYL NAIL FIN, ALL 4 SIDES
5. 1-7/8" MINIMUM FASTENER EMBEDMENT INTO FRAMING MATERIAL
6. MAXIMUM INDIVIDUAL WINDOW SIZE: B.U.S. (Basic Unit Size)=
37 1/2" (953mm) X 76 3/4" (1949mm)

Note: Qualifies Multiple Wide OR Multiple High Window Configurations

Check rough opening for proper size, plumb, level and square.
Make all necessary adjustments to ensure rough opening is plumb, level and 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, sill and jambs.
Consult full installation instructions found on the Sierra Pacific Windows web site, www.sierrapacificwindows.com, for all recommended installation procedures.
Wood buck, framing, fasteners, sealant and all wall system materials are provided by others.



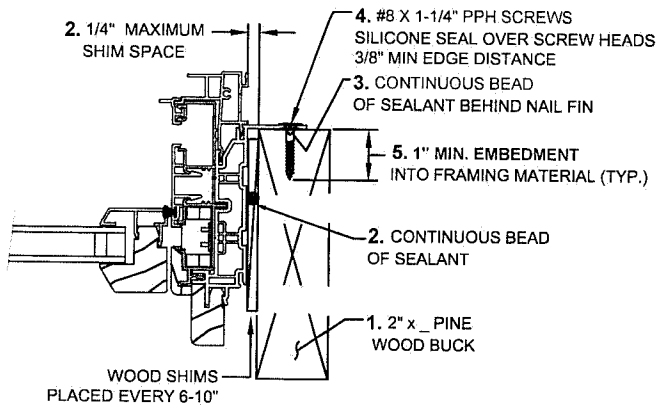
Installation requirements may vary in particular locations and in other types of construction. Proper installation is essential, and Sierra Pacific Windows, recommends consultation with an AAMA Certified Installer, or other qualified, registered building professional before installation of any SPW product. 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.



H3 2.0 Double Hung Operating Window
Single Unit 47 1/2" x 83 1/2"
Integral Vinyl Nail Fin Installation / Non-Impact

TEST REPORT SUMMARY:
- SINGLE UNIT, MAXIMUM BASIC UNIT FRAME SIZE:
47 1/2" (1207mm) x 83 1/2" (2121mm)
- OVERALL DESIGN PRESSURE: ± 50.13 psf
- STRUCTURAL TEST PRESSURE: ± 75.19 psf
- RATING: LC-PG50

CCL Listing# 436-H-671.76	Element Test Report# ESP024433P-2089
H3 2.0 Double Hung Operating Window Integral Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact	
SHEET: 1 OF 2	UPDATED: 2/28/2017 DRAWN BY: B.K.



JAMB DETAIL
H3 2.0 OPERATING DOUBLE HUNG

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, sill and jambs.
- Consult full installation instructions found on the Sierra Pacific web site, www.hurd.com, for all recommended installation procedures.
- Wood buck, framing, fasteners, sealant and all wall system materials are provided by others

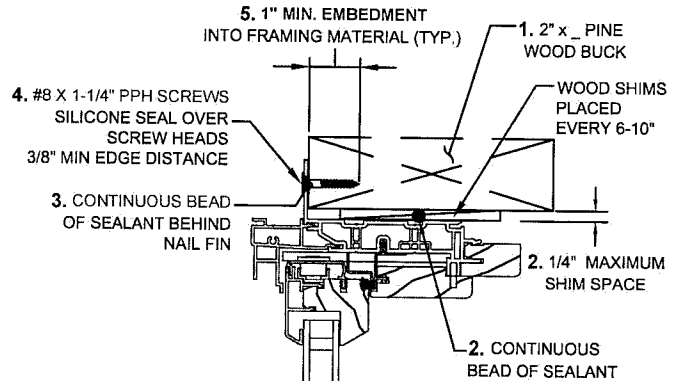
FLASHING:

- 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 cap 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.

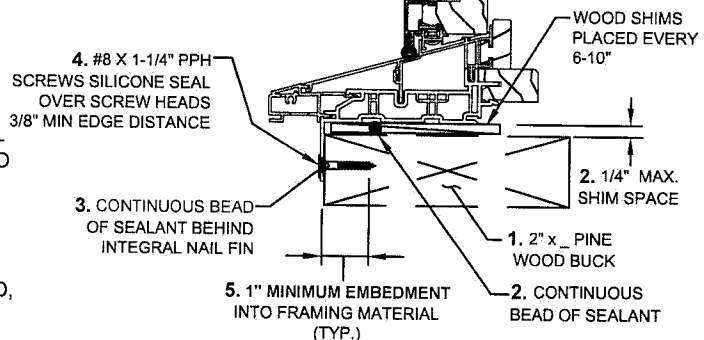
INSTALLATION NOTES:

1. USE 2" x PINE FOR WOOD BUCK
- PLACE WOOD SHIMS EVERY 6-10"
2. 1/4" MAXIMUM SHIM SPACE AT HEAD, SILL, JAMB
- APPLY A CONTINUOUS BEAD OF SEALANT AROUND THE ENTIRE PERIMETER, BETWEEN THE WINDOW AND THE ROUGH OPENING
3. APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE INTEGRAL VINYL NAIL FIN AND THE BUCK AT THE HEAD, SILL AND SIDE JAMBS TO SECURE INTEGRAL VINYL NAIL FIN TO FRAMING MATERIAL
4. INSTALL #8 X 1-1/4" PPH SCREWS SPACED APPROXIMATELY 1-3" FROM EACH CORNER AND 6"-8" ON CENTER THEREAFTER, THROUGH THE INTEGRAL VINYL NAIL FIN INTO THE FRAMING MATERIAL, AT HEAD, SILL AND SIDE JAMBS; 3/8" MINIMUM EDGE DISTANCE
5. 1" MINIMUM FASTENER EMBEDMENT INTO FRAMING MATERIAL
SILICONE SEAL OVER SCREW HEADS
6. MAXIMUM WINDOW SIZE: B.U.S. (Basic Unit Size) =
47 1/2" (1207mm) x 83 1/2" (2121mm)
7. THIS INFORMATION DOES NOT APPLY TO MULLED UNITS

HEAD DETAIL
H3 2.0 OPERATING DOUBLE HUNG



MEETING RAIL DETAIL
H3 2.0 OPERATING DOUBLE HUNG



SILL DETAIL
H3 2.0 OPERATING DOUBLE HUNG

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.



Energy Saver Clad Outswing Patio Door
5-Point Locking System
3-2 / 3-2 x 8-3 Dual Swing (75.50" X 98.50")
(Qualifies Single, Dual & Fixed Configurations)
Nail Fin Install, WDMA Instructions / Non-Impact

TEST REPORT SUMMARY:

- MAXIMUM OVERALL DOOR FRAME SIZE:
75.50" (1918mm) x 98.50" (2502mm)
- OVERALL DESIGN PRESSURE: ± 35
- RATING: **LC-PG35-SHD**
- STRUCTURAL TEST PRESSURE: ± 52.63

UL Listing #436-H-611.74,76

Architectural Testing, Inc., Test # E1434.01-602-44 Specimen #1

Energy Saver Clad Outswing Patio Door, 5-Point Locking System
Nail Fin Install, WDMA Instructions / Non-Impact

SHEET: 1 OF 2

UPDATED: 3/07/2018

DRAWN BY: B.K.

INSTALLATION NOTES:

1. USE 2" x _ WOOD BUCK

1. 1/4" MAXIMUM SHIM SPACE AT JAMBS. 1/2" MAXIMUM SHIM SPACE AT HEAD
PLACE WOOD SHIM EVERY 6-10"

1. APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE NAIL FIN AND THE
BUCK, AT HEAD, JAMBS AND SILL

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.

1. INSTALL #8 X 1 1/4" (MINIMUM) PPH SS SCREWS SPACED APPROXIMATELY 7"
FROM EACH CORNER AND 7" ON CENTER THEREAFTER THROUGH THE NAIL FIN
AND INTO THE FRAMING MATERIAL, SILICONE SEAL OVER SCREW HEADS. PUT
A CONTINUOUS BEAD OF SILICONE ACROSS ENTIRE LENGTH OF THE HEAD &
JAMBS NAIL FIN.

1. 1" MINIMUM FASTENER EMBEDMENT INTO FRAMING MATERIAL

1. MAXIMUM DOOR FRAME SIZE: 75.50" (1918mm) x 98.50" (2502mm)

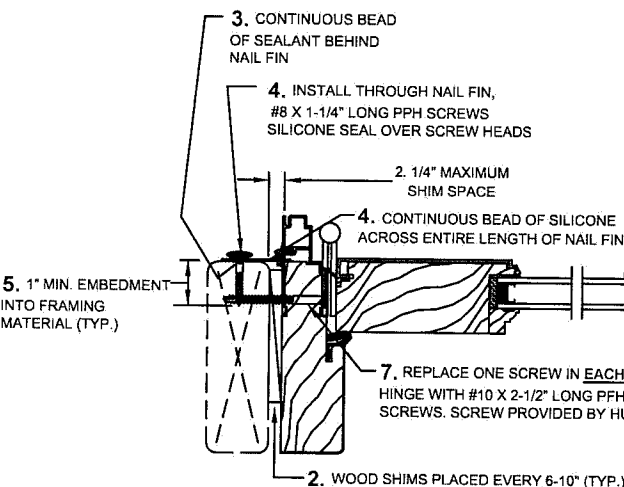
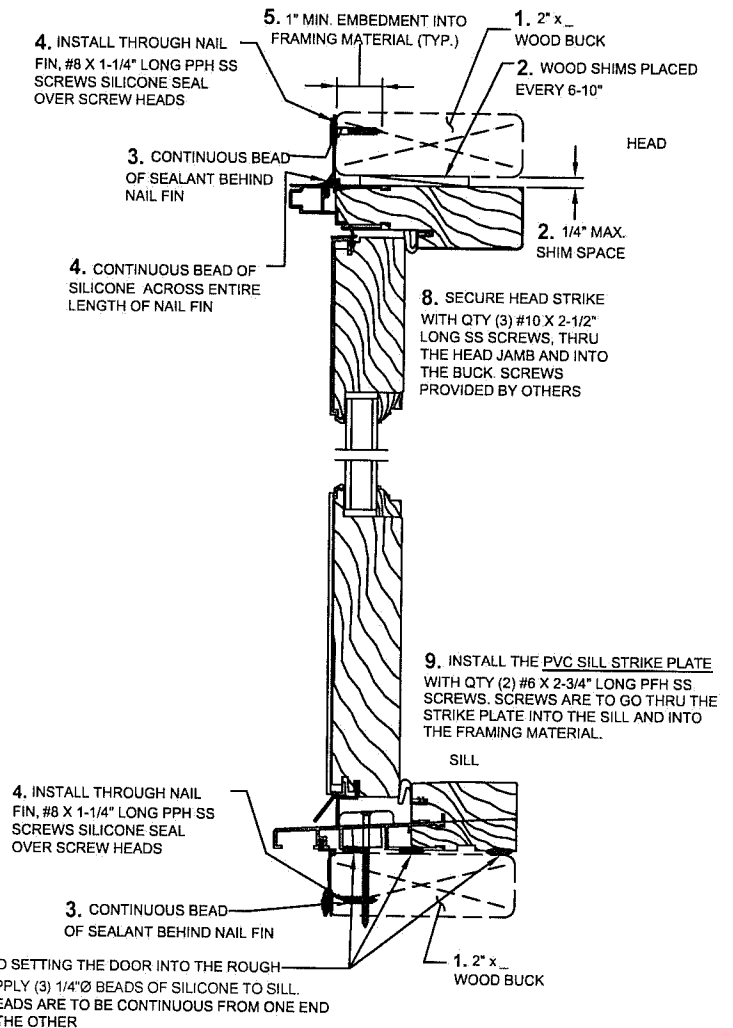
1. REPLACE ONE EXISTING SCREW IN EACH HINGE (8 TOTAL HINGES) WITH A
#10 X 2-1/2" LONG PFH SCREW (SCREWS PROVIDED BY SIERRA PACIFIC
WINDOWS). INSTALL SCREW THRU THE HINGE INTO THE SIDE JAMB & FRAMING
MATERIAL.

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

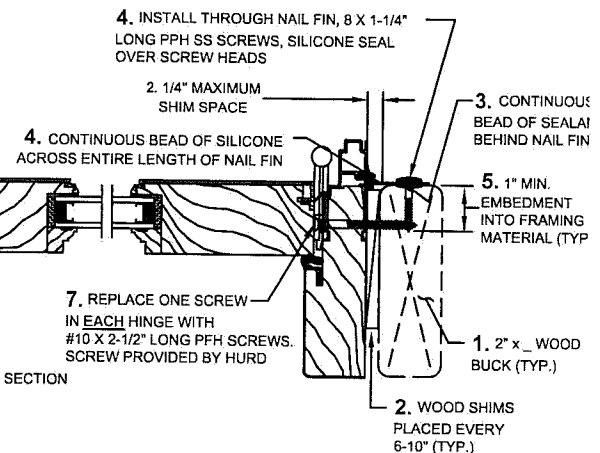
1. INSTALL THE PVC SILL STRIKE PLATE WITH QTY (2) #6 X 2-3/4" LONG PFH SS
SCREWS. SCREWS ARE TO GO THRU THE STRIKE PLATE INTO THE SILL AND
INTO THE FRAMING MATERIAL.

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 1/4" at each jamb.
Wood buck, framing, fasteners, sealant and all wall system materials are provided
by others, unless otherwise specified.

2 WIDE PANEL DUAL OUTSWING VERTICAL SECTION



2 WIDE PANEL DUAL OUTSWING 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.



Energy Saver Clad Outswing Patio Door
5-Point Locking System
3-2 / 3-2 x 8-3 Dual Swing (75.50" X 98.50")
(Qualifies Single, Dual & Fixed Configurations)
Nail Fin Install, WDMA Instructions / Non-Impact

TEST REPORT SUMMARY:

- MAXIMUM OVERALL DOOR FRAME SIZE:
75.50" (1918mm) x 98.50" (2502mm)
- OVERALL DESIGN PRESSURE: ± 35
- RATING: LC-PG35-SHD
- STRUCTURAL TEST PRESSURE: ± 52.63

CL Listing #436-H-611.74,.76

Architectural Testing, Inc., Test # E1434.01-602-44 Specimen #1

Energy Saver Clad Outswing Patio Door, 5-Point Locking System
Nail Fin Install, WDMA Instructions / Non-Impact

SHEET: 2 OF 2

UPDATED: 3/07/2018

DRAWN BY: B.K.

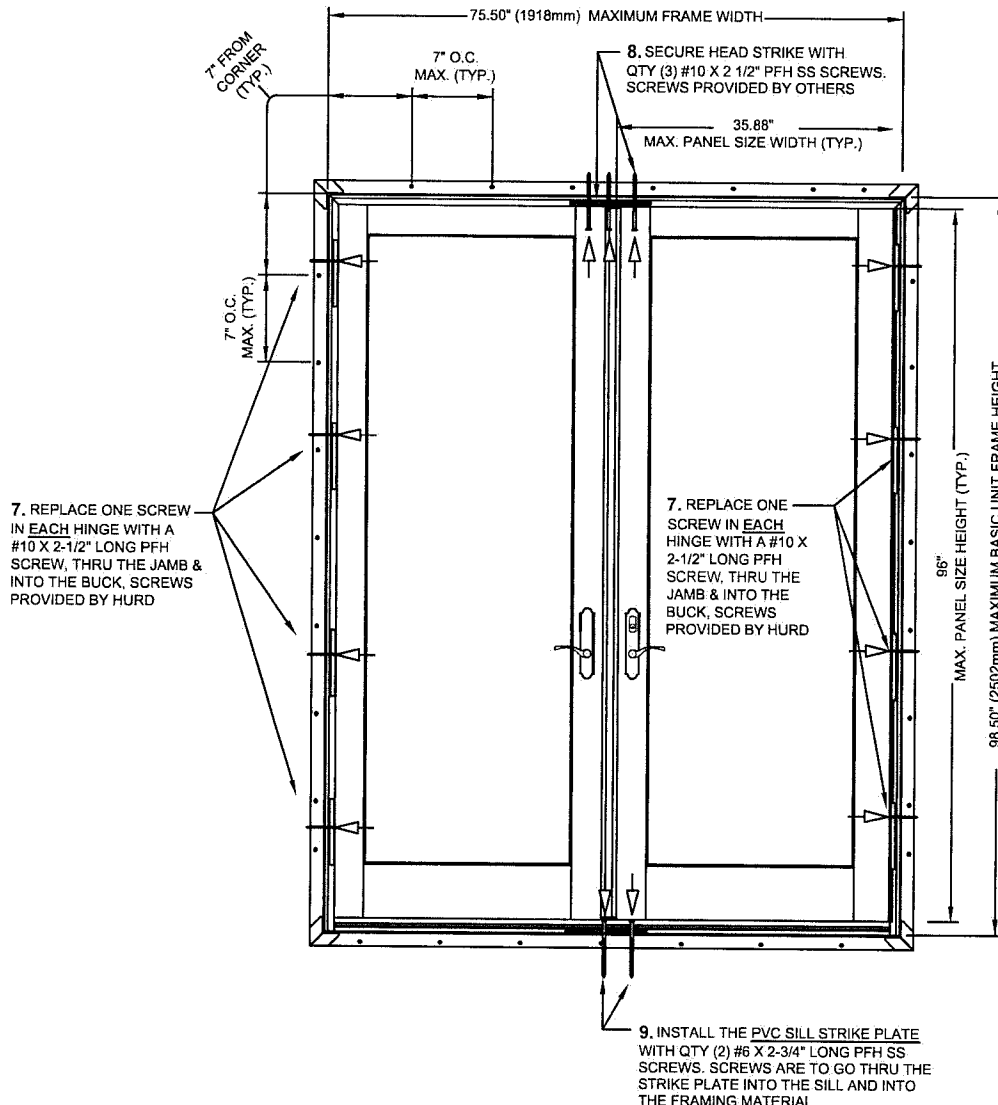
ANCHOR REQUIREMENTS TABLE

THROUGH NAIL FIN, HINGES, and STRIKES INSTALLATION with SCREWS

OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE, FASTENER SPACING	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD BUCK	<ul style="list-style-type: none">4. NAIL FIN - #8 X 1-1/4" Long PPH SS screws spaced 7" from each corner & 7" on center thereafter.7. EACH HINGE QTY (1) - #10 X 2-1/2" PFH SS Screw through each hinge plate8. HEAD STRIKE QTY (3) - #10 X 2-1/2" PFH Screws through the head strike plate9. PVC SILL STRIKE QTY (2) - #6 X 2-3/4" PFH Screws through the PVC sill strike plate	1"	3/4"
ANCHORS MUST BE INTO A MIN. 2X_ FRAME OR BUCK. IF SPACE BETWEEN WALL FRAME & WINDOW FRAME IS GREATER THAN THAT REQUIRED FOR A 2X_ FRAME OR BUCK 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.			

ELEVATION SHOWING
FASTENER LOCATION & SPACING (TYP.)

MAXIMUM DOOR FRAME SIZE
75.50" (1918mm) x 98.50" (2502mm)
PANEL SIZE = 35.88" X 96"



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.



H3 2.0 Double Hung Operating Window
Single Unit 47 1/2" x 83 1/2"
Integral Vinyl Nail Fin Installation / Non-Impact

TEST REPORT SUMMARY:

- SINGLE UNIT, MAXIMUM BASIC UNIT FRAME SIZE:
47 1/2" (1207mm) x 83 1/2" (2121mm)
- OVERALL DESIGN PRESSURE: ± 50.13 psf
- STRUCTURAL TEST PRESSURE: ± 75.19 psf
- RATING: LC-PG50

CCL Listing# 436-IH-671.76

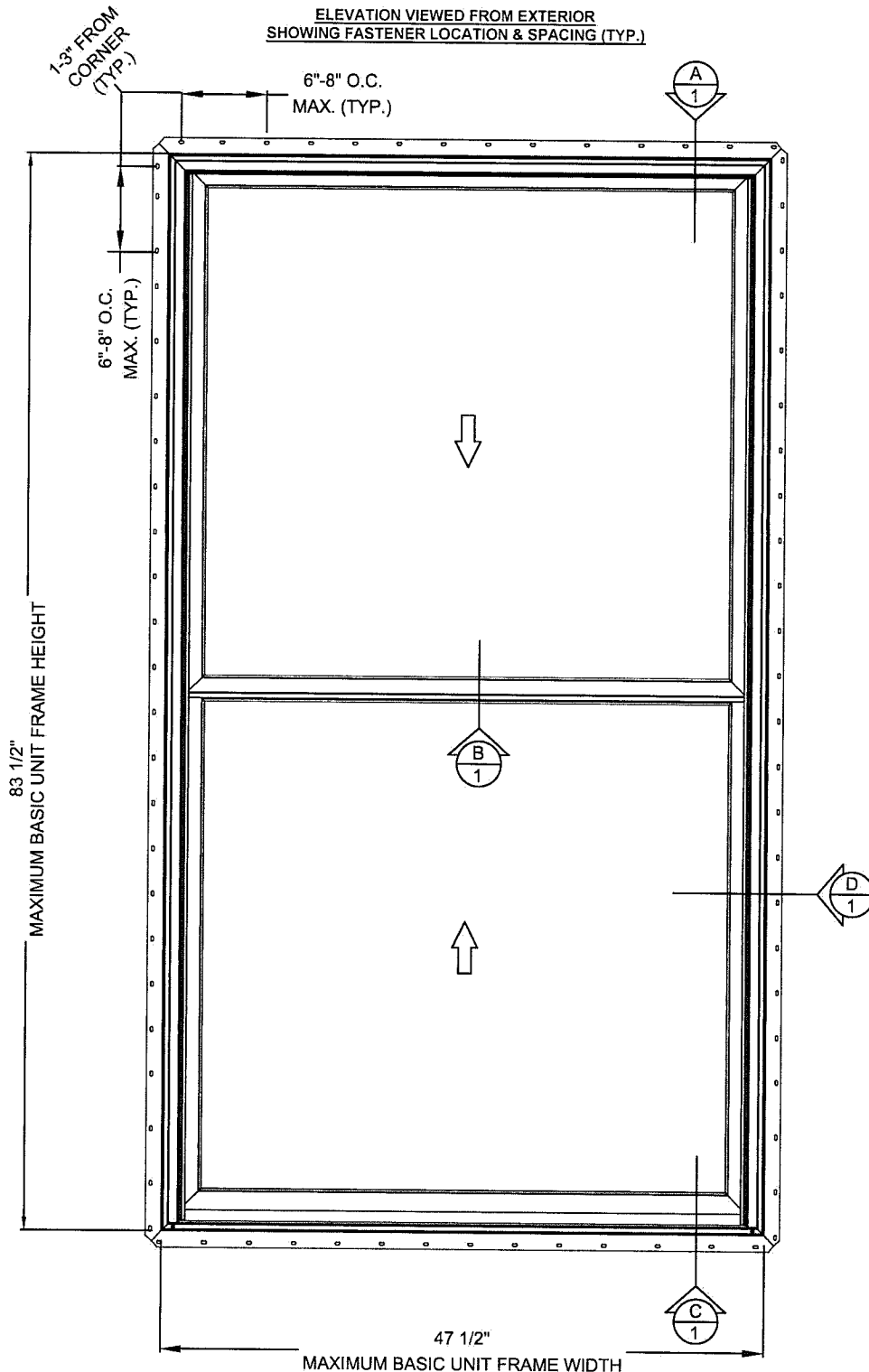
Element Test Report# ESP024433P-2089

H3 2.0 Double Hung Operating Window
Integral Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact

SHEET: 2 OF 2

UPDATED: 2/28/2017

DRAWN BY: B.K.



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.



H3 2.0 Double Hung Operating Window 3-Wide Unit 105 1/2" x 71 1/2" Integral Vinyl Nail Fin Installation / Non-Impact

CCL Listing# 436-H-671.22,23

ELEMENT TEST REPORT NUMBER: ESP022162P-1869 REV.A

H3 2.0 Aluminum Clad/Wood Composite Double Hung Operating Window
Integral Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact

SHEET: 1 OF 2

DRAWN BY: B.K.

SCALE: Drawn Full Scale / Printed to 3" = 1'

TEST REPORT SUMMARY:

3-WIDE OPERATING MAXIMUM BASIC UNIT FRAME

SIZE:

105 1/2" (2680mm) x 71 1/2" (1816mm)

- OVERALL DESIGN PRESSURE: STD ± 35.09 psf
HP ± 70.18 psf
- STRUCTURAL TEST PRESSURE: STD ± 52.63 psf
HP ± 105.26 psf
- RATING: STD: LC-PG35
HP: LC-PG50

GENERAL INSTALLATION NOTES:

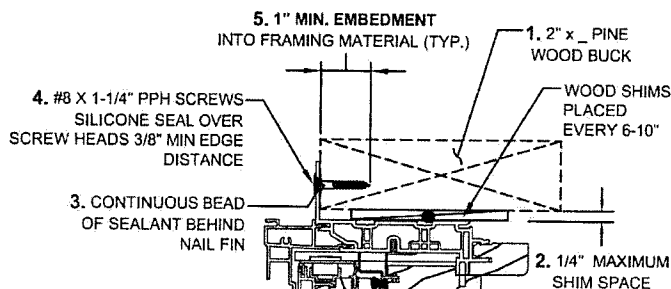
- Check rough opening for proper size, plumb, level and square.
- Make all necessary adjustments to ensure rough opening is plumb, level & square.
- Sill must be flat, level and capable of supporting the weight of the unit.
- Opening should allow a maximum of 1/4" shim space at head, sill and each jamb.
- Consult full installation instructions found on the Sierra Pacific web site, www.hurd.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, 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.

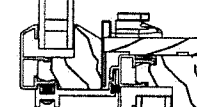
HEAD DETAIL

H3 2.0 OPERATING DOUBLE HUNG



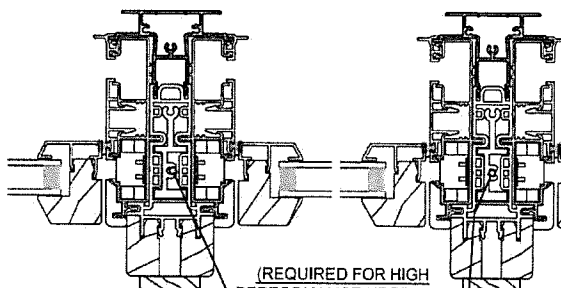
MEETING RAIL DETAIL

H3 2.0 OPERATING DOUBLE HUNG



COMMON MULL DETAIL AT SILL

H3 2.0 CLAD DOUBLE HUNG WINDOW
OPERATING SASH



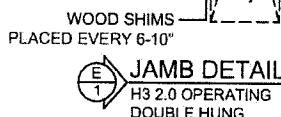
(REQUIRED FOR HIGH PERFORMANCE UPGRADE)
INSTALLATION CLIPS AT EACH
MULL POST LOCATION AT THE
HEAD AND SILL SECURED TO THE
WOOD BUCK WITH TWO #8 X 32mm
(1-1/4") PPH SCREWS

2. 1/4" MAXIMUM SHIM SPACE

WOOD SHIMS PLACED EVERY 6-10"

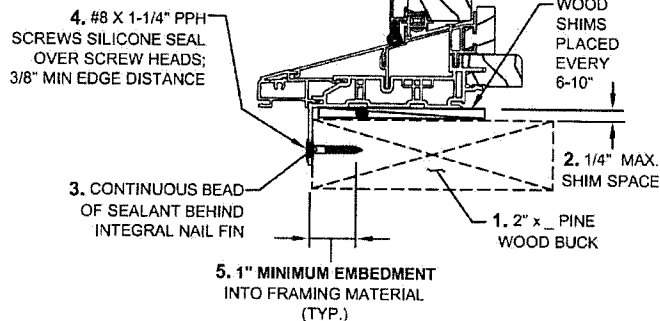
JAMB DETAIL

H3 2.0 OPERATING DOUBLE HUNG



INSTALLATION NOTES:

1. USE 2" x PINE FOR WOOD BUCK
 - PLACE WOOD SHIMS EVERY 6-10"
2. 1/4" MAXIMUM SHIM SPACE AT HEAD, SILL & EACH JAMB
3. APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE INTEGRAL VINYL NAIL FIN AND THE BUCK AT THE HEAD, SILL AND SIDE JAMBS TO SECURE INTEGRAL VINYL NAIL FIN TO FRAMING MATERIAL
4. INSTALL #8 X 1-1/4" PPH SCREWS SPACED APPROXIMATELY 2"-4" FROM EACH CORNER AND 6"-8" ON CENTER THEREAFTER, THROUGH THE INTEGRAL VINYL NAIL FIN INTO THE FRAMING MATERIAL, AT HEAD, SILL AND SIDE JAMBS; 3/8" MIN EDGE DISTANCE
5. 1" MINIMUM FASTENER EMBEDMENT INTO FRAMING MATERIAL
SILICONE SEAL OVER SCREW HEADS
6. MAXIMUM OVERALL BASIC UNIT WINDOW SIZE:
105 1/2" (2680mm) x 71 1/2" (1816mm)



SILL DETAIL

H3 2.0 OPERATING DOUBLE HUNG

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.



H3 2.0 Double Hung Operating Window
3-Wide Unit 105 1/2" x 71 1/2"
Integral Vinyl Nail Fin Installation / Non-Impact

CCL Listing# 436-H-671.23

ELEMENT TEST REPORT NUMBER: ESP022162P-1869 REV. A

H3 2.0 Aluminum Clad/Wood Composite Double Hung Operating Window

Integral Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact

SHEET 2 OF 2

DRAWN BY: B.K.

SCALE: Drawn No Scale

TEST REPORT SUMMARY:

• WIDE OPERATING-MAXIMUM BASIC UNIT FRAME SIZE:
105 1/2" (2680mm) x 71 1/2" (1816mm)

• OVERALL DESIGN PRESSURE: STD ± 35.09 psf

HP ± 70.18 psf

• STRUCTURAL TEST PRESSURE: STD ± 52.63 psf

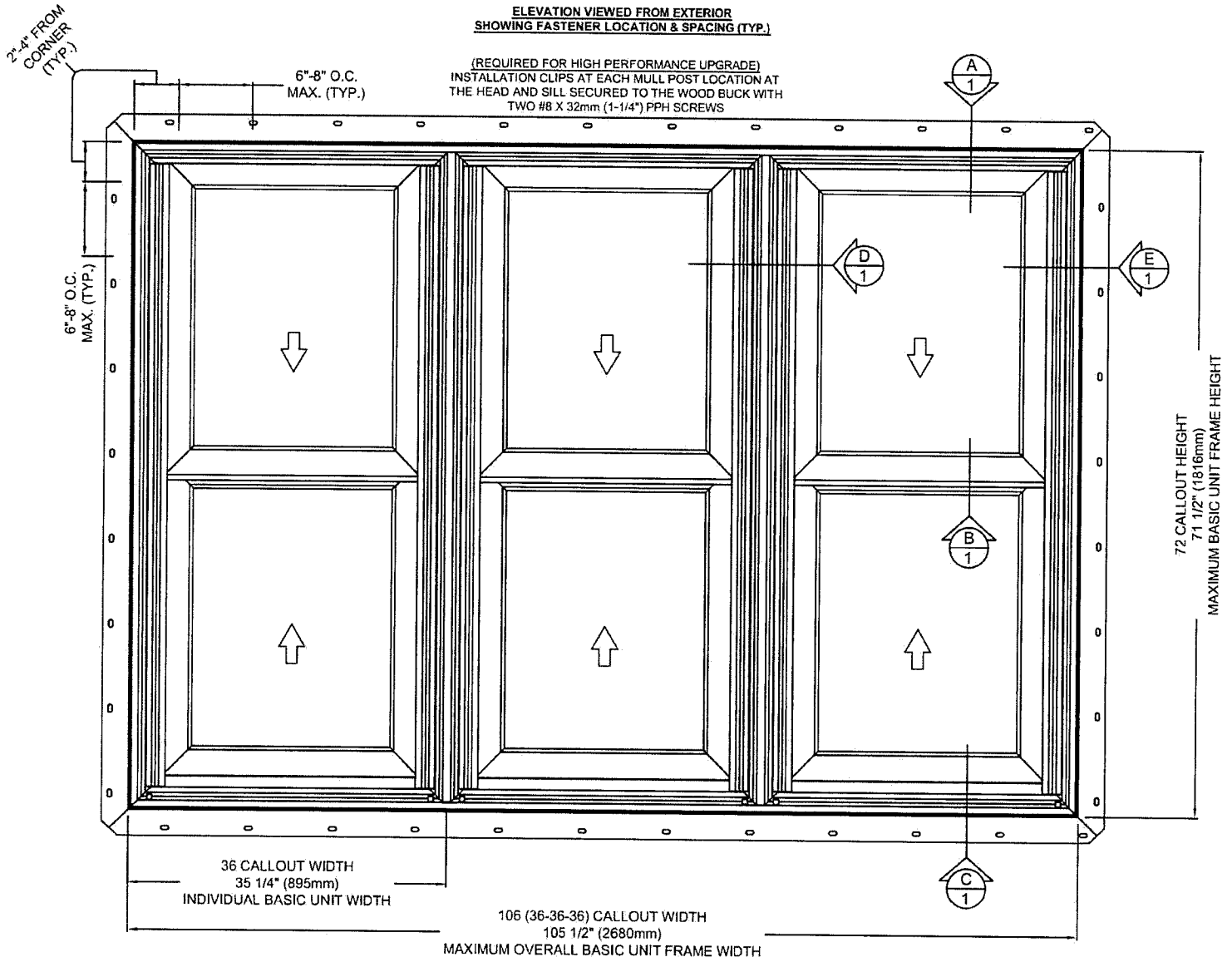
HP ± 105.26 psf

• RATING: STD: LC-PG-35

HP: LC-PG-50

ELEVATION VIEWED FROM EXTERIOR
SHOWING FASTENER LOCATION & SPACING (TYP.)

(REQUIRED FOR HIGH PERFORMANCE UPGRADE)
INSTALLATION CLIPS AT EACH MULL POST LOCATION AT
THE HEAD AND SILL SECURED TO THE WOOD BUCK WITH
TWO #8 X 32mm (1-1/4") PPH SCREWS





Energy Saver Clad Outswing Patio Door
3-2 / 3-2 / 3-2 x 8-3 Dual Swing (112.625" X 98.50")
(Qualifies Single, Dual & Fixed Configurations)
Nail Fin Install, WDMA Instructions / Non-Impact

TEST REPORT SUMMARY:

- MAXIMUM OVERALL DOOR FRAME SIZE:
112.625" (2861mm) x 98.50" (2502mm)
- OVERALL DESIGN PRESSURE: +/- 40
- RATING: LC-PG40-SHD
- STRUCTURAL TEST PRESSURE: +/- 60.15

CL Listing #436-H-611.70,.72

Architectural Testing, Inc., Test # E1889.01-602-44 Specimen #2

Energy Saver Clad Outswing Patio Door
Nail Fin Install, WDMA Instructions / Non-Impact

SHEET: 2 OF 2

UPDATED: 3/06/2018

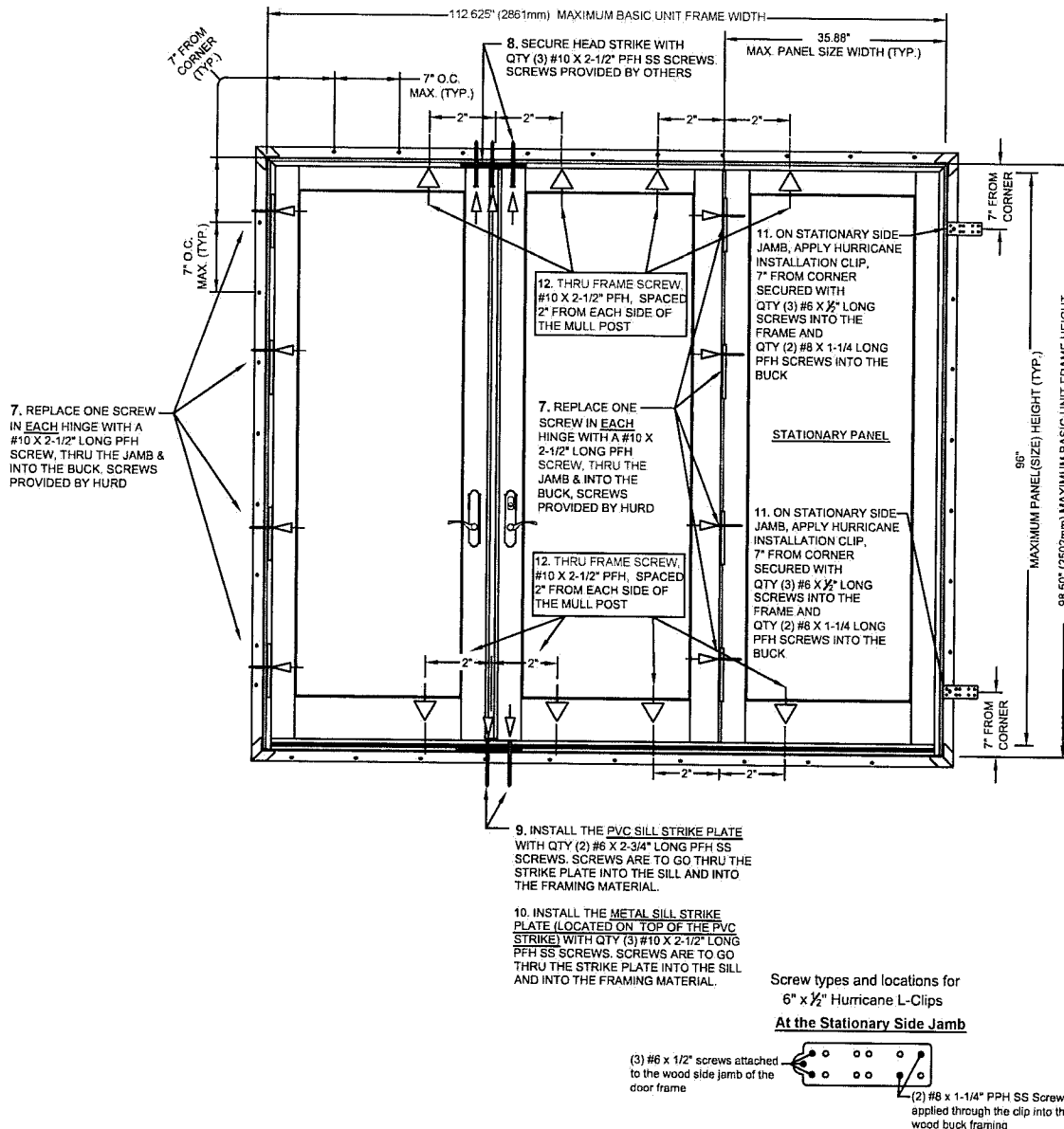
DRAWN BY: B.K.

ANCHOR REQUIREMENTS TABLE

THROUGH NAIL FIN, STRIKES, CLIP, AND THRU FRAME INSTALLATION with SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE, FASTENER SPACING	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD BUCK	<ul style="list-style-type: none">4. NAIL FIN - #8 X 1-1/4" Long PFH SS screws spaced 7" from each corner & 7" on center thereafter.7. EACH HINGE QTY (1) - #10 X 2-1/2" PFH SS Screw through each hinge plate8. HEAD STRIKE QTY (3) - #10 X 2-1/2" PFH Screws through the head strike plate9. PVC SILL STRIKE QTY (2) - #6 X 2-3/4" PFH Screws through the PVC sill strike plate10. METAL SILL STRIKE QTY (3) - #10 X 2-1/2" PFH Screws through the Metal sill strike plate11. QTY (2) 6" x 1-1/2" HURRICANE CLIPS - Stationary Jamb Side, install flat hurricane clips 7" from each corner. Apply clip to door frame with QTY (3) #6 x 1/2" screws and attach to the wood buck with QTY (2) #6 x 1-1/4" Screws.12. MULL POST LOCATIONS - 2" on each side of the head and sill mull posts, install #10 x 2-1/2" PFH screws	1"	3/4"
ANCHORS MUST BE INTO A MIN. 2X_ FRAME OR BUCK. IF SPACE BETWEEN WALL FRAME & WINDOW FRAME IS GREATER THAN THAT REQUIRED FOR A 2X_ FRAME OR BUCK 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			

ELEVATION SHOWING
FASTENER LOCATION & SPACING (TYP.)

MAXIMUM DOOR FRAME SIZE
112.625" (2861mm) x 98.50" (2502mm)
PANEL SIZE = 35.88" X 96"



Screw types and locations for
6" x 1/2" Hurricane L-Clips

At the Stationary Side Jamb

(3) #6 x 1/2" screws attached
to the wood side jamb of the
door frame

(2) #6 x 1-1/4" PFH SS Screws
applied through the clip into the
wood buck framing

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Clad Double Hung Operating Window 2-Wide with Concealed Jambliner Vinyl Nail Fin Installation / Non-Impact

TEST REPORT SUMMARY:

- 2-WIDE UNIT SHOWN. More than 2 windows may be mulled together (Mullion may be Horizontal or Vertical.)
- SINGLE UNIT, MAXIMUM BASIC UNIT FRAME SIZE:
37.5" (953mm) X 76.75" (1949mm)
- OVERALL DESIGN PRESSURE: 50 psf
- STRUCTURAL TEST PRESSURE: +50/-50 psf
- RATING: LC-PG50

CCL Listing# 436-H-579.32

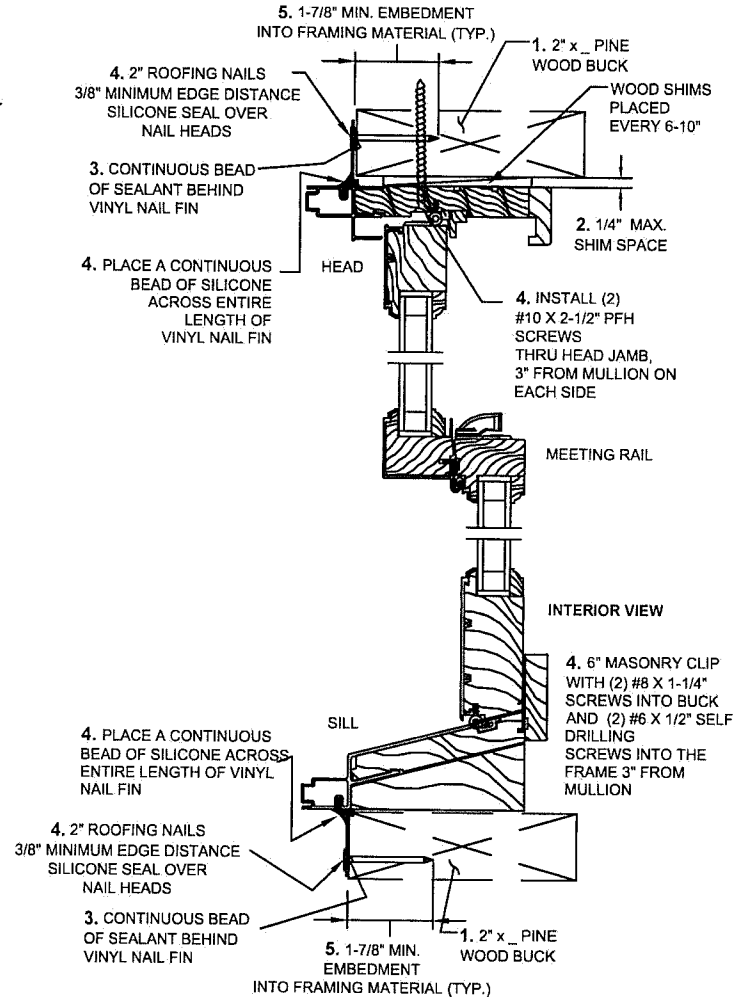
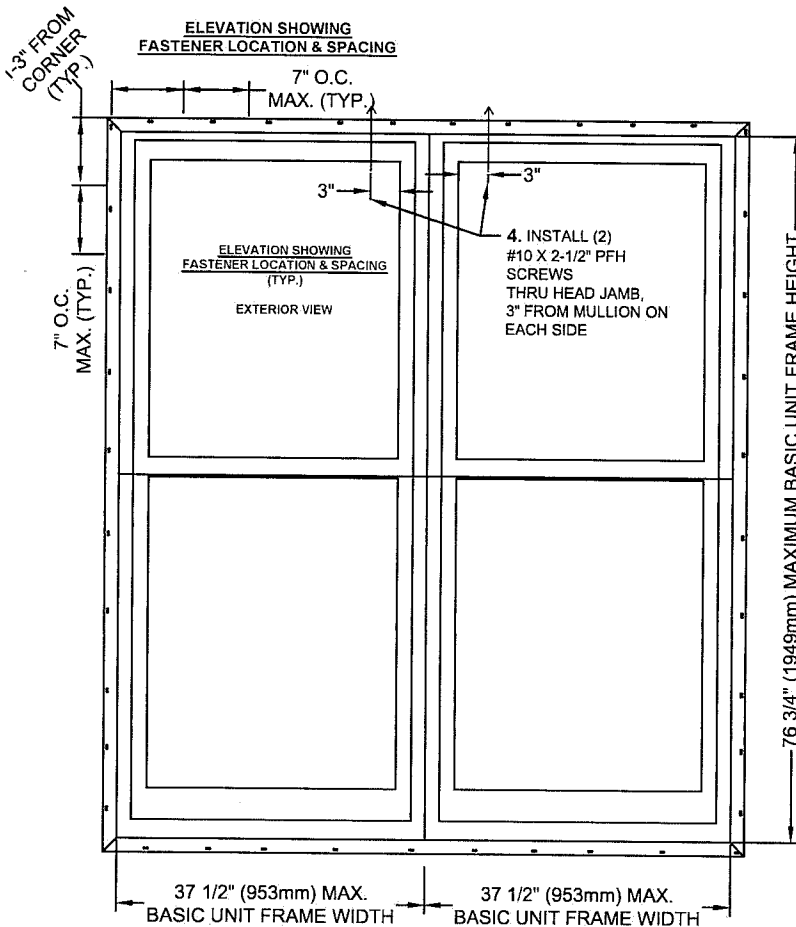
ATI TEST REPORT #: E0330.01-602-44

Aluminum Clad Wood Double Hung Mulled Operating Windows Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact

SHEET: 1 OF 1

Updated: 03/07/2018

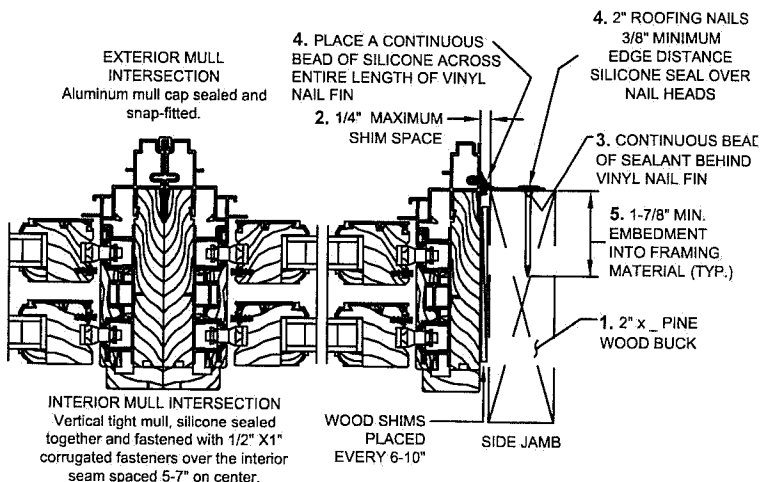
DRAWN BY: H.W.D.



INSTALLATION NOTES:

- USE 2" x 1/2" PINE WOOD BUCK.
 - PLACE WOOD SHIMS EVERY 6-10"
- 1/4" MAXIMUM SHIM SPACE AT HEAD & JAMB
- APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE VINYL NAIL FIN AT THE HEAD, SILL & SIDE JAMBS AND THE BUCK
- INSTALL 2" ROOFING NAILS SPACED APPROXIMATELY 1-3" FROM EACH CORNER AND 7" ON CENTER THEREAFTER THRU THE VINYL NAIL FIN AT HEAD AND THRU THE VINYL NAIL FIN AT SILL AND SIDE JAMBS
- AT THE INTERIOR OF THE UNIT, PLACE 6" MASONRY CLIP W/ (2) #8 X 1 1/4" SCREWS INTO THE BUCK AND (2) #6 X 1/2" SELF DRILLING SCREWS INTO THE FRAME
 - INSTALL (2) #10 X 2-1/2" PFH SCREWS THRU HEAD JAMB, 3" FROM MULLION ON EACH SIDE.
 - PLACE A CONTINUOUS BEAD OF SILICONE ACROSS ENTIRE LENGTH OF VINYL NAIL FIN, ALL 4 SIDES
- 1-7/8" MINIMUM FASTENER EMBEDMENT INTO FRAMING MATERIAL
- SILICONE SEAL OVER NAIL/SCREW HEADS
- MAXIMUM INDIVIDUAL WINDOW SIZE: B.U.S. (Basic Unit Size)=
37 1/2" (953mm) X 76 3/4" (1949mm)

Note: Qualifies Multiple Wide OR Multiple High Window Configurations



Check rough opening for proper size, plumb, level and square.
Make all necessary adjustments to ensure rough opening is plumb, level and 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, sill and jambs.
Consult full installation instructions found on the Sierra Pacific Windows web site, www.sierrapacificwindows.com, for all recommended installation procedures.
Wood buck, framing, fasteners, sealant and all wall system materials are provided by others.

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 product. 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.



Clad Double Hung Operating Window 2-Wide with Concealed Jambliner Vinyl Nail Fin Installation / Non-Impact

TEST REPORT SUMMARY:

- 2-WIDE UNIT SHOWN. More than 2 windows may be mulled together (Mullion may be Horizontal or Vertical.)
- SINGLE UNIT, MAXIMUM BASIC UNIT FRAME SIZE: 37.5" (953mm) X 76.75" (1949mm)
- OVERALL DESIGN PRESSURE: 50 psf
- STRUCTURAL TEST PRESSURE: +50/-50 psf
- RATING: LC-PG50

CCL Listing# 436-H-579.32

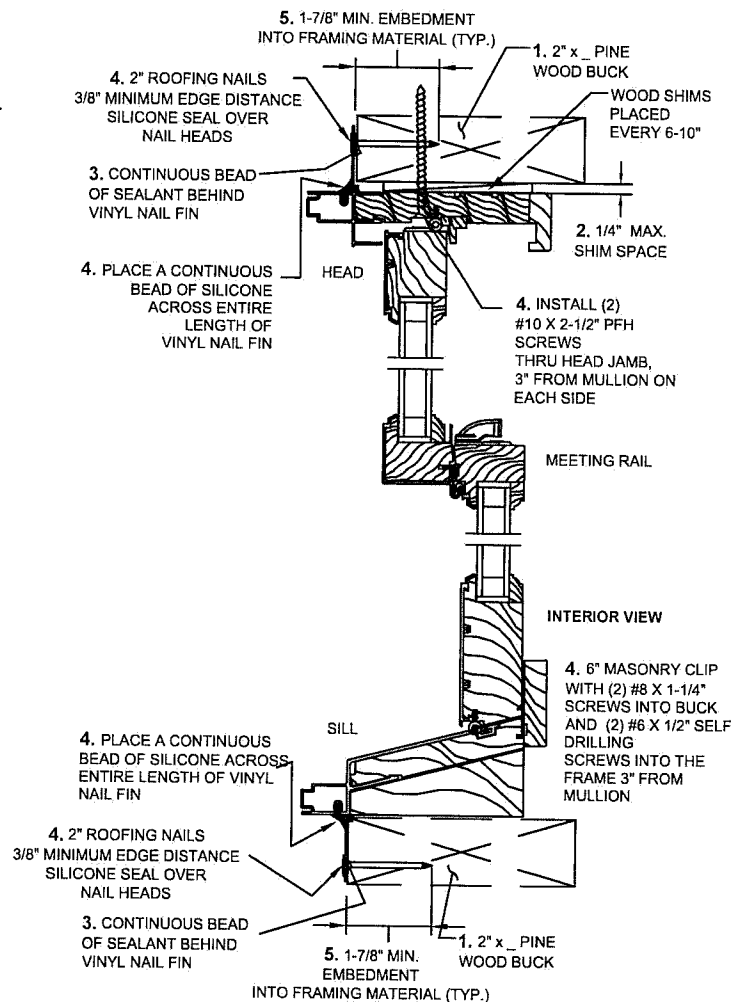
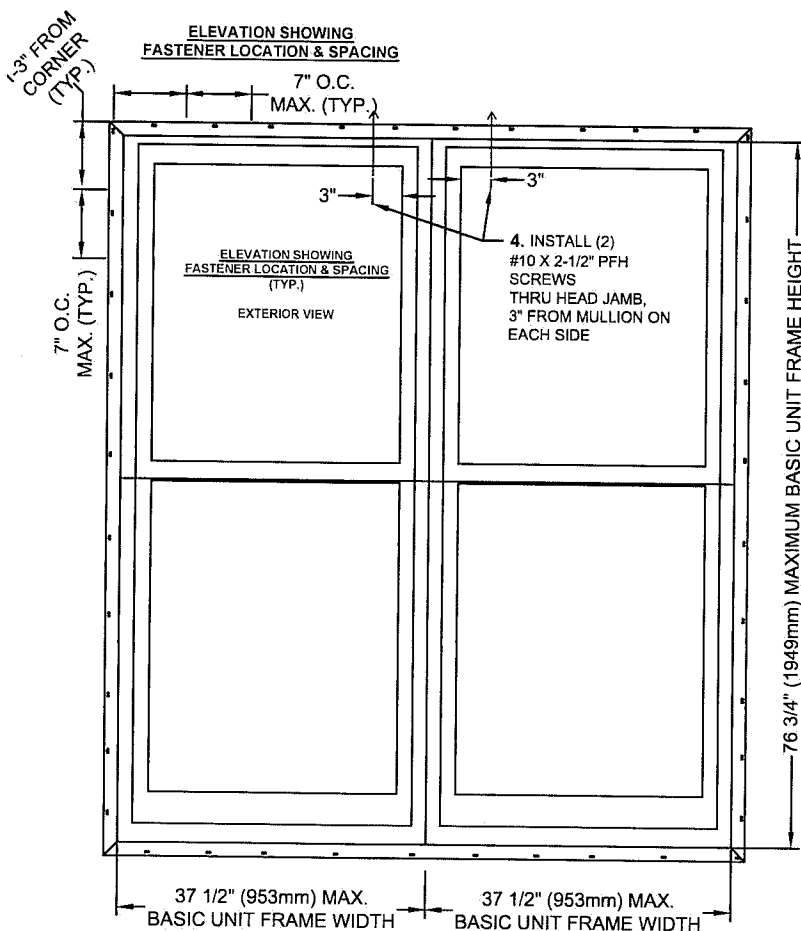
ATI TEST REPORT #: E0330.01-602-44

Aluminum Clad Wood Double Hung Mulled Operating Windows Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact

SHEET: 1 OF 1

Updated: 03/07/2018

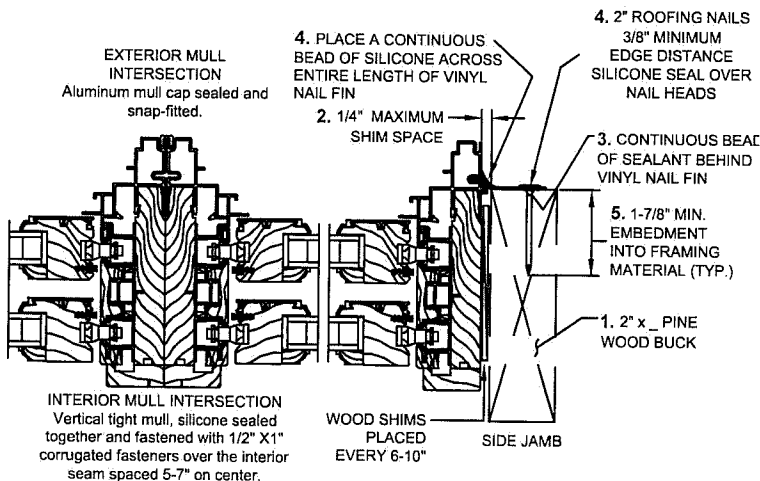
DRAWN BY: H.W.D.



INSTALLATION NOTES:

1. USE 2" x PINE WOOD BUCK.
 - PLACE WOOD SHIMS EVERY 6-10"
2. 1/4" MAXIMUM SHIM SPACE AT HEAD & JAMB
3. APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE VINYL NAIL FIN AT THE HEAD, SILL & SIDE JAMBS AND THE BUCK
4. INSTALL 2" ROOFING NAILS SPACED APPROXIMATELY 1-3" FROM EACH CORNER AND 7" ON CENTER THEREAFTER THRU THE VINYL NAIL FIN AT HEAD AND THRU THE VINYL NAIL FIN AT SILL AND SIDE JAMBS
 - AT THE INTERIOR OF THE UNIT, PLACE 6" MASONRY CLIP W/ (2) #8 X 1 1/4" SCREWS INTO THE BUCK AND (2) #6 X 1/2" SELF DRILLING SCREWS INTO THE FRAME
 - INSTALL (2) #10 X 2-1/2" PFH SCREWS THRU HEAD JAMB, 3" FROM MULLION ON EACH SIDE.
 - PLACE A CONTINUOUS BEAD OF SILICONE ACROSS ENTIRE LENGTH OF VINYL NAIL FIN, ALL 4 SIDES
5. 1-7/8" MINIMUM FASTENER EMBEDMENT INTO FRAMING MATERIAL SILICONE SEAL OVER NAIL/SCREW HEADS
6. MAXIMUM INDIVIDUAL WINDOW SIZE: B.U.S. (Basic Unit Size)= 37 1/2" (953mm) X 76 3/4" (1949mm)

Note: Qualifies Multiple Wide OR Multiple High Window Configurations



Check rough opening for proper size, plumb, level and square.
Make all necessary adjustments to ensure rough opening is plumb, level and 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, sill and jambs.
Consult full installation instructions found on the Sierra Pacific Windows web site, www.sierrapacificwindows.com, for all recommended installation procedures.
Wood buck, framing, fasteners, sealant and all wall system materials are provided by others.

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 product. 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.



H3 2.0 Double Hung Operating Window
Single Unit 47 1/2" x 83 1/2"
Integral Vinyl Nail Fin Installation / Non-Impact

CCE Listing# 436-H-671.76

Element Test Report# ESP024433P-2089

H3 2.0 Double Hung Operating Window
Integral Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact

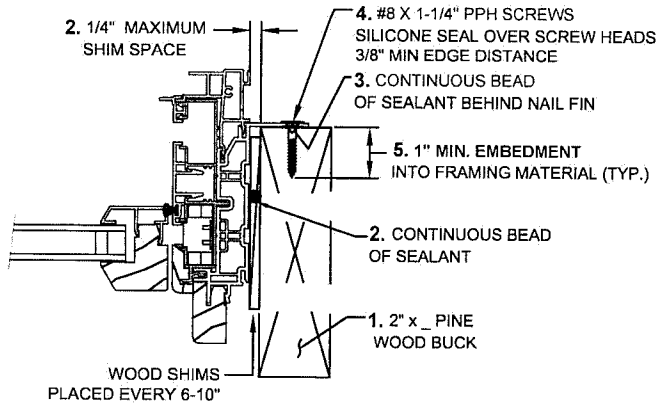
SHEET: 1 OF 2

UPDATED: 2/28/2017

DRAWN BY: B.K.

TEST REPORT SUMMARY:

- SINGLE UNIT, MAXIMUM BASIC UNIT FRAME SIZE:
47 1/2" (1207mm) x 83 1/2" (2121mm)
- OVERALL DESIGN PRESSURE: ± 50.13 psf
- STRUCTURAL TEST PRESSURE: ± 75.19 psf
- RATING: LC-PG50



JAMB DETAIL
H3 2.0 OPERATING DOUBLE HUNG

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, sill and jambs.
- Consult full installation instructions found on the Sierra Pacific web site, www.hurd.com, for all recommended installation procedures.
- Wood buck, framing, fasteners, sealant and all wall system materials are provided by others

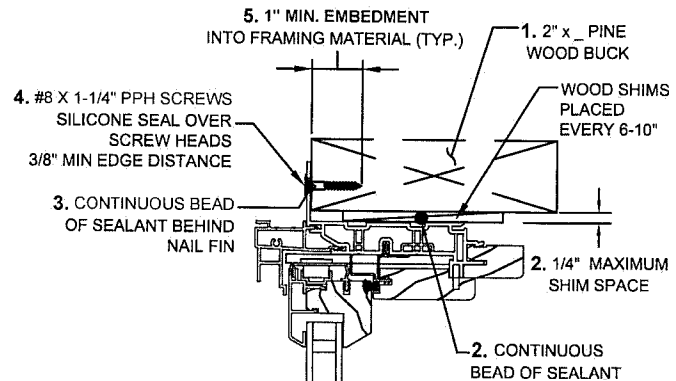
FLASHING:

- 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 cap 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.

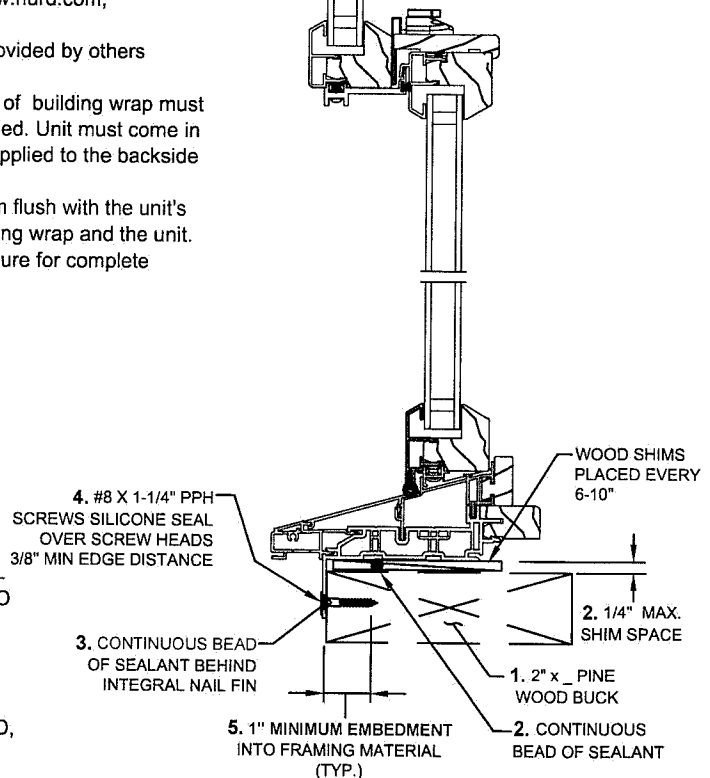
INSTALLATION NOTES:

1. USE 2" x PINE FOR WOOD BUCK
- PLACE WOOD SHIMS EVERY 6-10"
2. 1/4" MAXIMUM SHIM SPACE AT HEAD, SILL, JAMB
- APPLY A CONTINUOUS BEAD OF SEALANT AROUND THE ENTIRE PERIMETER, BETWEEN THE WINDOW AND THE ROUGH OPENING
3. APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE INTEGRAL VINYL NAIL FIN AND THE BUCK AT THE HEAD, SILL AND SIDE JAMBS TO SECURE INTEGRAL VINYL NAIL FIN TO FRAMING MATERIAL
4. INSTALL #8 X 1-1/4" PPH SCREWS SPACED APPROXIMATELY 1-3" FROM EACH CORNER AND 6"-8" ON CENTER THEREAFTER, THROUGH THE INTEGRAL VINYL NAIL FIN INTO THE FRAMING MATERIAL, AT HEAD, SILL AND SIDE JAMBS; 3/8" MINIMUM EDGE DISTANCE
5. 1" MINIMUM FASTENER EMBEDMENT INTO FRAMING MATERIAL
SILICONE SEAL OVER SCREW HEADS
6. MAXIMUM WINDOW SIZE: B.U.S. (Basic Unit Size) =
47 1/2" (1207mm) x 83 1/2" (2121mm)
7. THIS INFORMATION DOES NOT APPLY TO MULLED UNITS

HEAD DETAIL
H3 2.0 OPERATING DOUBLE HUNG



MEETING RAIL DETAIL
H3 2.0 OPERATING DOUBLE HUNG



SILL DETAIL
H3 2.0 OPERATING DOUBLE HUNG

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Energy Saver Clad Outswing Patio Door
3-2 / 3-2 / 3-2 x 8-3 Dual Swing (112.625" X 98.50")
(Qualifies Single, Dual & Fixed Configurations)
Nail Fin Install, WDMA Instructions / Non-Impact

TEST REPORT SUMMARY:

- MAXIMUM OVERALL DOOR FRAME SIZE:
112.625" (2861mm) x 98.50" (2502mm)
- OVERALL DESIGN PRESSURE: +/- 40
- RATING: LC-PG40-SHD
- STRUCTURAL TEST PRESSURE: +/- 60.15

ICL Listing #436-H-611.70,.72

Architectural Testing, Inc., Test # E1889.01-602-44 Specimen #2

Energy Saver Clad Outswing Patio Door
Nail Fin Install, WDMA Instructions / Non-Impact

SHEET: 1 OF 2

UPDATED: 3/06/2018

DRAWN BY: B.K.

INSTALLATION NOTES:

1. USE 2" x _ WOOD BUCK

2. 1/4" MAXIMUM SHIM SPACE AT JAMBS. 1/2" MAXIMUM SHIM SPACE AT HEAD
- PLACE WOOD SHIM EVERY 6-10"

3. APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE NAIL FIN AND THE BUCK, AT HEAD, JAMBS AND SILL

- 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" (MINIMUM) PPH SS SCREWS SPACED APPROXIMATELY 7" FROM EACH CORNER AND 7" ON CENTER THEREAFTER THROUGH THE NAIL FIN AND INTO THE FRAMING MATERIAL, SILICONE SEAL OVER SCREW HEADS. PUT A CONTINUOUS BEAD OF SILICONE ACROSS ENTIRE LENGTH OF THE HEAD & JAMBS NAIL FIN.

5. 1" MINIMUM FASTENER EMBEDMENT INTO FRAMING MATERIAL

6. MAXIMUM DOOR FRAME SIZE: 112.63" (2861mm) x 98.50" (2502mm)

7. REPLACE ONE EXISTING SCREW IN EACH HINGE (8 TOTAL HINGES) WITH A #10 X 2-1/2" LONG PFH SCREW (SCREWS PROVIDED BY SIERRA PACIFIC WINDOWS). INSTALL SCREW THRU THE HINGE INTO THE SIDE JAMB & FRAMING MATERIAL.

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

9. INSTALL THE PVC SILL STRIKE PLATE WITH QTY (2) #6 X 2-3/4" LONG PFH SS SCREWS. SCREWS ARE TO GO THRU THE STRIKE PLATE INTO THE SILL AND INTO THE FRAMING MATERIAL.

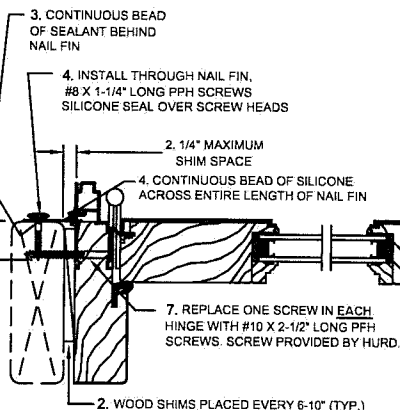
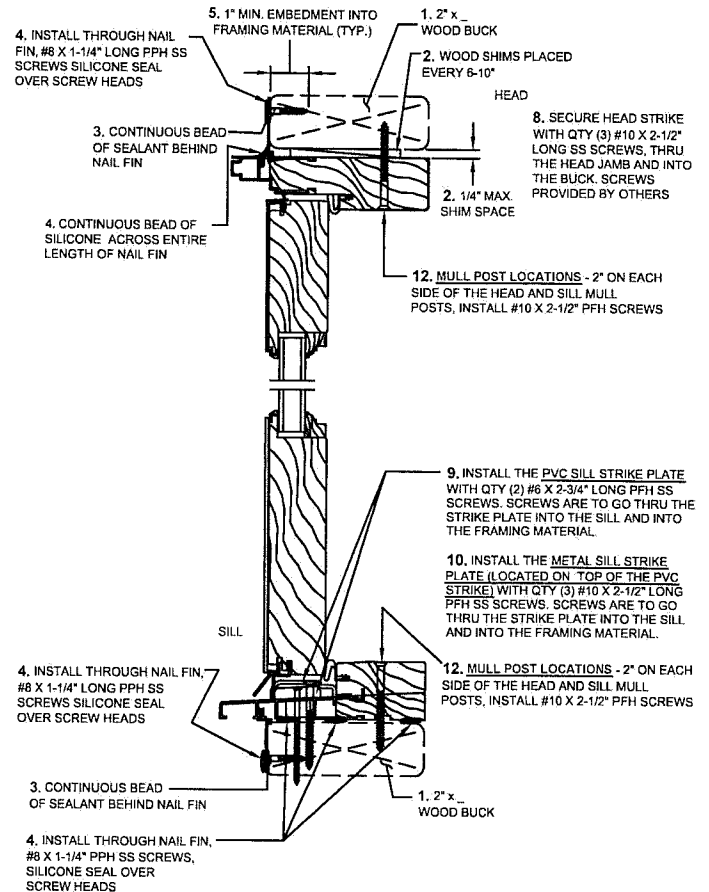
10. INSTALL THE METAL SILL STRIKE PLATE (LOCATED ON TOP OF THE PVC STRIKE) WITH QTY (3) #10 X 2-1/2" LONG PFH SS SCREWS. SCREWS ARE TO GO THRU THE STRIKE PLATE INTO THE SILL AND INTO THE FRAMING MATERIAL.

11. ON STATIONARY SIDE JAMB, APPLY QTY (2) 6" X 1-1/2" 20 GAUGE GALVANIZED HURRICANE L-CLIPS, 7" FROM EACH CORNER. SECURED WITH QTY (3) #6 X 1/2" LONG SCREWS INTO THE DOOR FRAME AND QTY (2) #8 X 1-1/4" LONG PFH SCREWS INTO THE BUCK

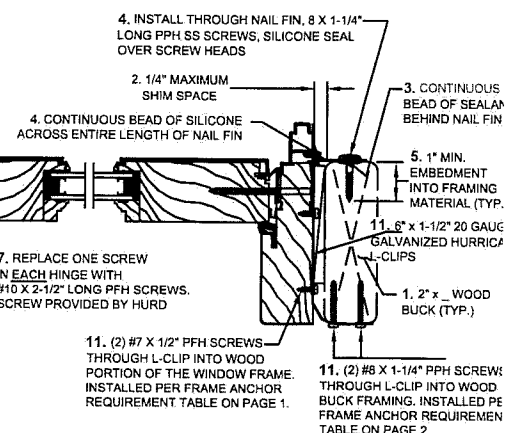
12. MULL POST LOCATIONS - 2" ON EACH SIDE OF THE HEAD AND SILL MULL POSTS, INSTALL #10 X 2-1/2" PFH SCREWS

- 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 1/4" at each jamb.
- Wood buck, framing, fasteners, sealant and all wall system materials are provided by others, unless otherwise specified.

OUTSWING OPERATING VERTICAL SECTION



3 WIDE PANEL DUAL OUTSWING HORIZONTAL SECTION



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Energy Saver Clad Outswing Patio Door
5-Point Locking System
3-2 / 3-2 x 8-3 Dual Swing (75.50" X 98.50")
(Qualifies Single, Dual & Fixed Configurations)
Nail Fin Install, WDMA Instructions / Non-Impact

TEST REPORT SUMMARY:

- MAXIMUM OVERALL DOOR FRAME SIZE:
75.50" (1918mm) x 98.50" (2502mm)
- OVERALL DESIGN PRESSURE: ± 35
- RATING: LC-PG35-SHD
- STRUCTURAL TEST PRESSURE: ± 52.63

CL-Listing #436-H-611.74,.76

Architectural Testing, Inc., Test # E1434.01-602-44 Specimen #1

Energy Saver Clad Outswing Patio Door, 5-Point Locking System
Nail Fin Install, WDMA Instructions / Non-Impact

SHEET: 2 OF 2

UPDATED: 3/07/2018

DRAWN BY: B.K.

ANCHOR REQUIREMENTS TABLE

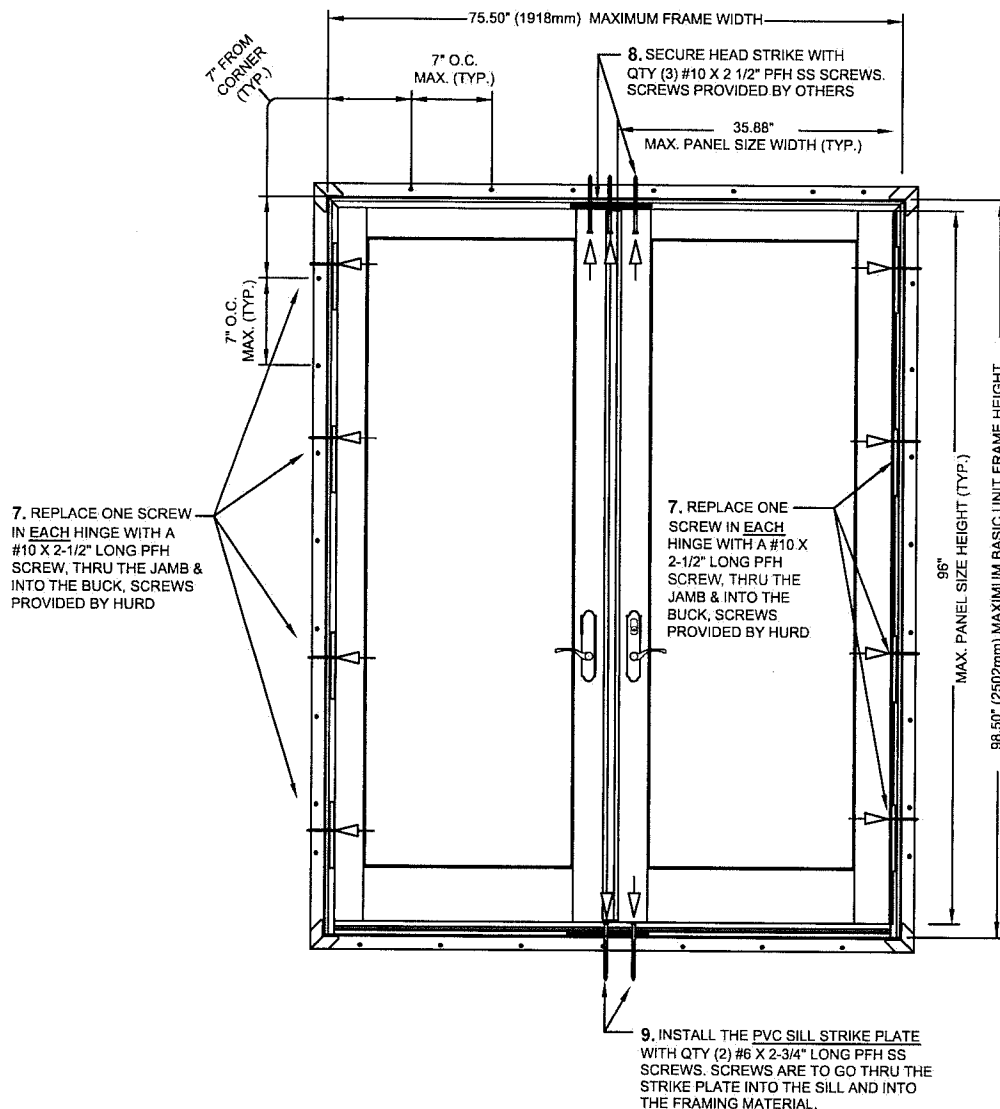
THROUGH NAIL FIN, HINGES, and STRIKES INSTALLATION with SCREWS

OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE, FASTENER SPACING	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD BUCK	<ul style="list-style-type: none">4. NAIL FIN - #8 X 1-1/4" Long PPH SS screws spaced 7" from each corner & 7" on center thereafter.7. EACH HINGE QTY (1) - #10 X 2-1/2" PFH SS Screw through <u>each</u> hinge plate8. HEAD STRIKE QTY (3) - #10 X 2-1/2" PFH Screws through the <u>head</u> strike plate9. PVC SILL STRIKE QTY (2) - #6 X 2-3/4" PFH Screws through the <u>PVC</u> sill strike plate	1"	3/4"

ANCHORS MUST BE INTO A MIN. 2X_ FRAME OR BUCK. IF SPACE BETWEEN WALL FRAME & WINDOW FRAME IS GREATER THAN THAT REQUIRED FOR A 2X_ FRAME OR BUCK 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.

**ELEVATION SHOWING
FASTENER LOCATION & SPACING (TYP.)**

MAXIMUM DOOR FRAME SIZE
75.50" (1918mm) x 98.50" (2502mm)
PANEL SIZE = 35.88" X 96"



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-resistant systems of the building.



H3 2.0 Double Hung Operating Window
Single Unit 47 1/2" x 83 1/2"
Integral Vinyl Nail Fin Installation / Non-Impact

TEST REPORT SUMMARY:

- SINGLE UNIT, MAXIMUM BASIC UNIT FRAME SIZE:
47 1/2" (1207mm) x 83 1/2" (2121mm)
- OVERALL DESIGN PRESSURE: ± 50.13 psf
- STRUCTURAL TEST PRESSURE: ± 75.19 psf
- RATING: LC-PG50

CCL Listing# 436-II-671.76

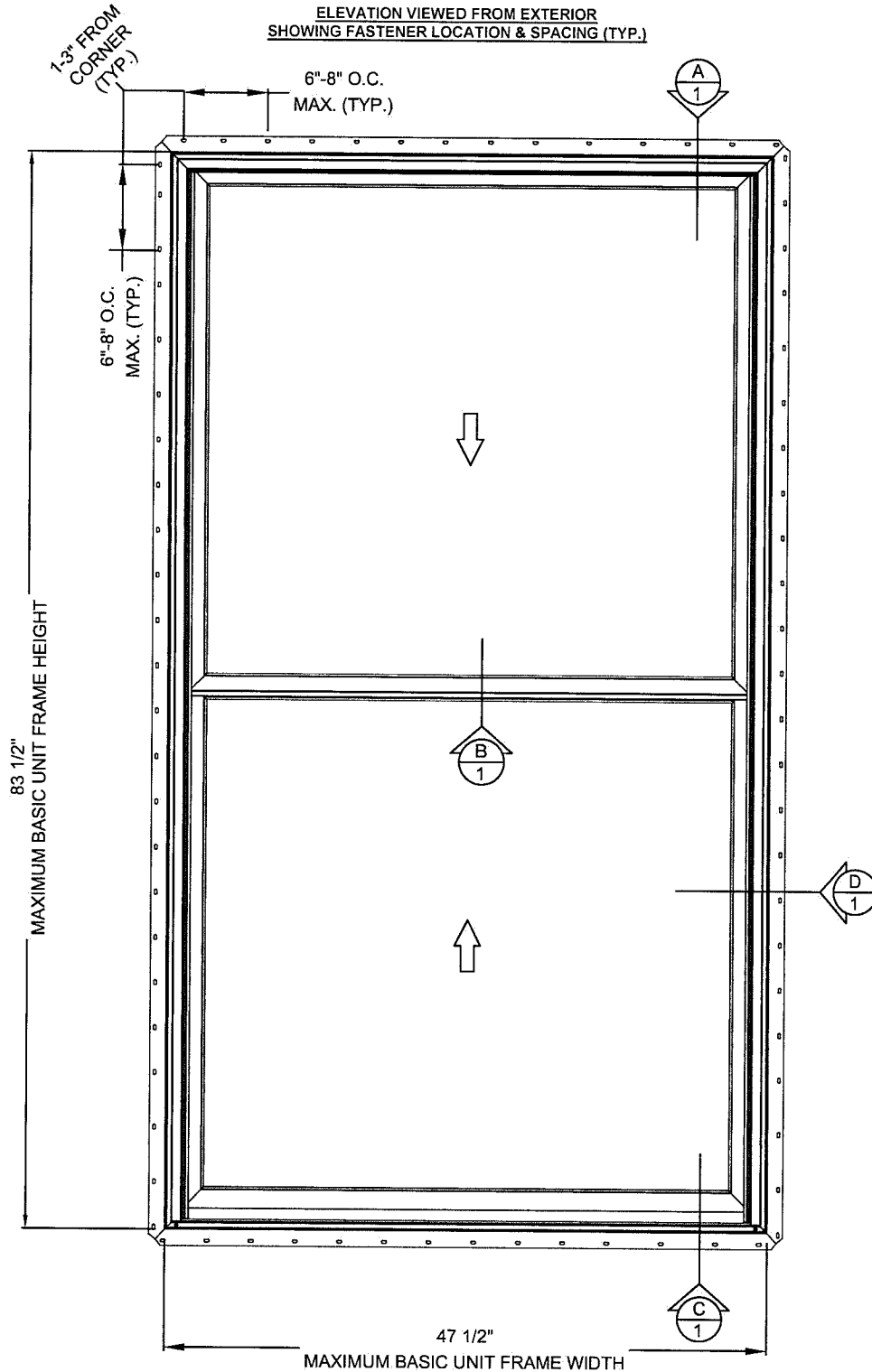
Element Test Report# ESP024433P-2089

H3 2.0 Double Hung Operating Window
Integral Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact

SHEET: 2 OF 2

UPDATED: 2/28/2017

DRAWN BY: B.K.



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.



Energy Saver Clad Outswing Patio Door
3-2 / 3-2 / 3-2 x 8-3 Dual Swing (112.625" X 98.50")
(Qualifies Single, Dual & Fixed Configurations)
Nail Fin Install, WDMA Instructions / Non-Impact

TEST REPORT SUMMARY:

- MAXIMUM OVERALL DOOR FRAME SIZE:
112.625" (2861mm) x 98.50" (2502mm)
- OVERALL DESIGN PRESSURE: +/- 40
- RATING: LC-PG40-SHD
- STRUCTURAL TEST PRESSURE: +/- 60.15

JCL Listing #436-H-611.70,.72

Architectural Testing, Inc., Test # E1889.01-602-44 Specimen #2

Energy Saver Clad Outswing Patio Door
Nail Fin Install, WDMA Instructions / Non-Impact

SHEET: 1 OF 2

UPDATED: 3/06/2018

DRAWN BY: B.K.

INSTALLATION NOTES:

1. USE 2" x WOOD BUCK

2. 1/4" MAXIMUM SHIM SPACE AT JAMBS. 1/2" MAXIMUM SHIM SPACE AT HEAD
- PLACE WOOD SHIM EVERY 6-10"

3. APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE NAIL FIN AND THE BUCK, AT HEAD, JAMBS AND SILL

- 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" (MINIMUM) PPH SS SCREWS SPACED APPROXIMATELY 7" FROM EACH CORNER AND 7" ON CENTER THEREAFTER THROUGH THE NAIL FIN AND INTO THE FRAMING MATERIAL, SILICONE SEAL OVER SCREW HEADS. PUT A CONTINUOUS BEAD OF SILICONE ACROSS ENTIRE LENGTH OF THE HEAD & JAMBS NAIL FIN.

5. 1" MINIMUM FASTENER EMBEDMENT INTO FRAMING MATERIAL

6. MAXIMUM DOOR FRAME SIZE: 112.63" (2861mm) x 98.50" (2502mm)

7. REPLACE ONE EXISTING SCREW IN EACH HINGE (8 TOTAL HINGES) WITH A #10 X 2-1/2" LONG PFH SCREW (SCREWS PROVIDED BY SIERRA PACIFIC WINDOWS). INSTALL SCREW THRU THE HINGE INTO THE SIDE JAMB & FRAMING MATERIAL.

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

9. INSTALL THE PVC SILL STRIKE PLATE WITH QTY (2) #6 X 2-3/4" LONG PFH SS SCREWS. SCREWS ARE TO GO THRU THE STRIKE PLATE INTO THE SILL AND INTO THE FRAMING MATERIAL.

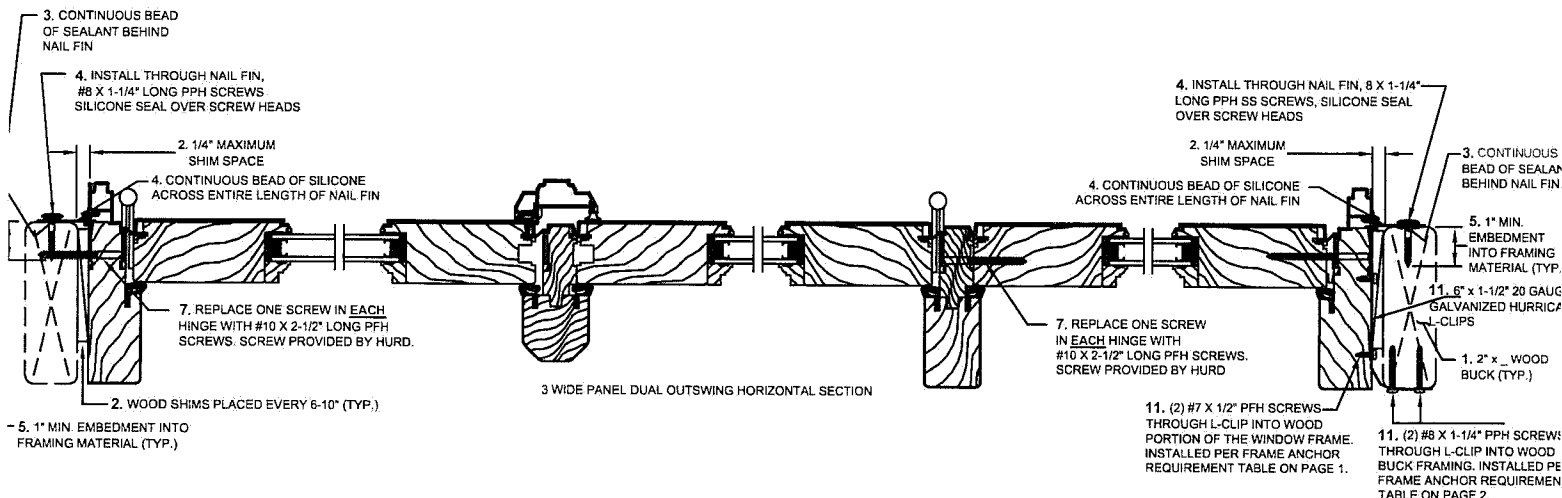
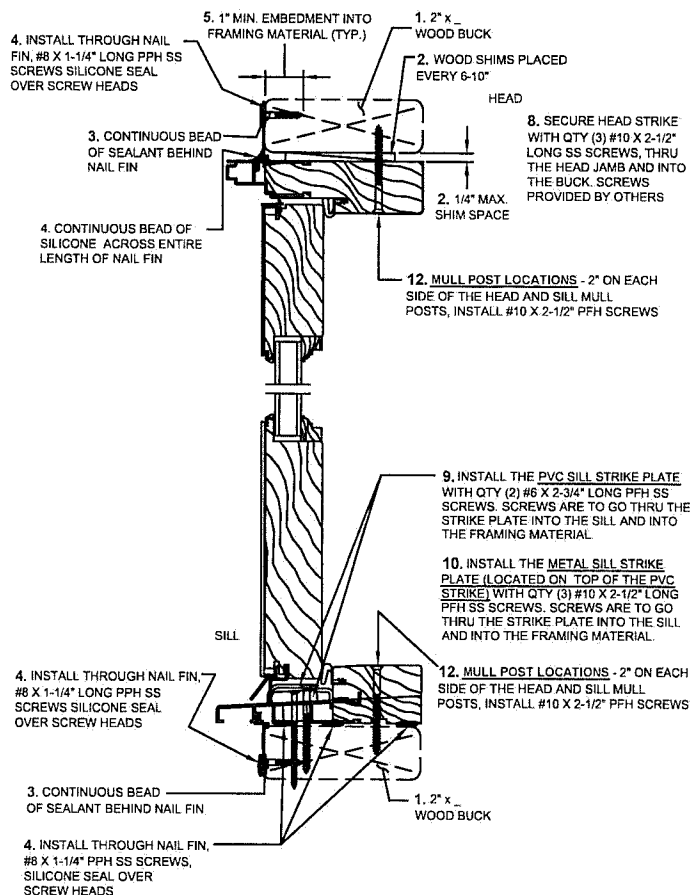
10. INSTALL THE METAL SILL STRIKE PLATE (LOCATED ON TOP OF THE PVC STRIKE) WITH QTY (3) #10 X 2-1/2" LONG PFH SS SCREWS. SCREWS ARE TO GO THRU THE STRIKE PLATE INTO THE SILL AND INTO THE FRAMING MATERIAL.

11. ON STATIONARY SIDE JAMB, APPLY QTY (2) 6" X 1-1/2" 20 GAUGE GALVANIZED HURRICANE L-CLIPS, 7" FROM EACH CORNER. SECURED WITH QTY (3) #6 X 1/2" LONG SCREWS INTO THE DOOR FRAME AND QTY (2) #8 X 1-1/4" LONG PFH SCREWS INTO THE BUCK

12. MULL POST LOCATIONS - 2" ON EACH SIDE OF THE HEAD AND SILL MULL POSTS, INSTALL #10 X 2-1/2" PFH SCREWS

- 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 1/4" at each jamb.
- Wood buck, framing, fasteners, sealant and all wall system materials are provided by others, unless otherwise specified.

OUTSWING OPERATING VERTICAL SECTION



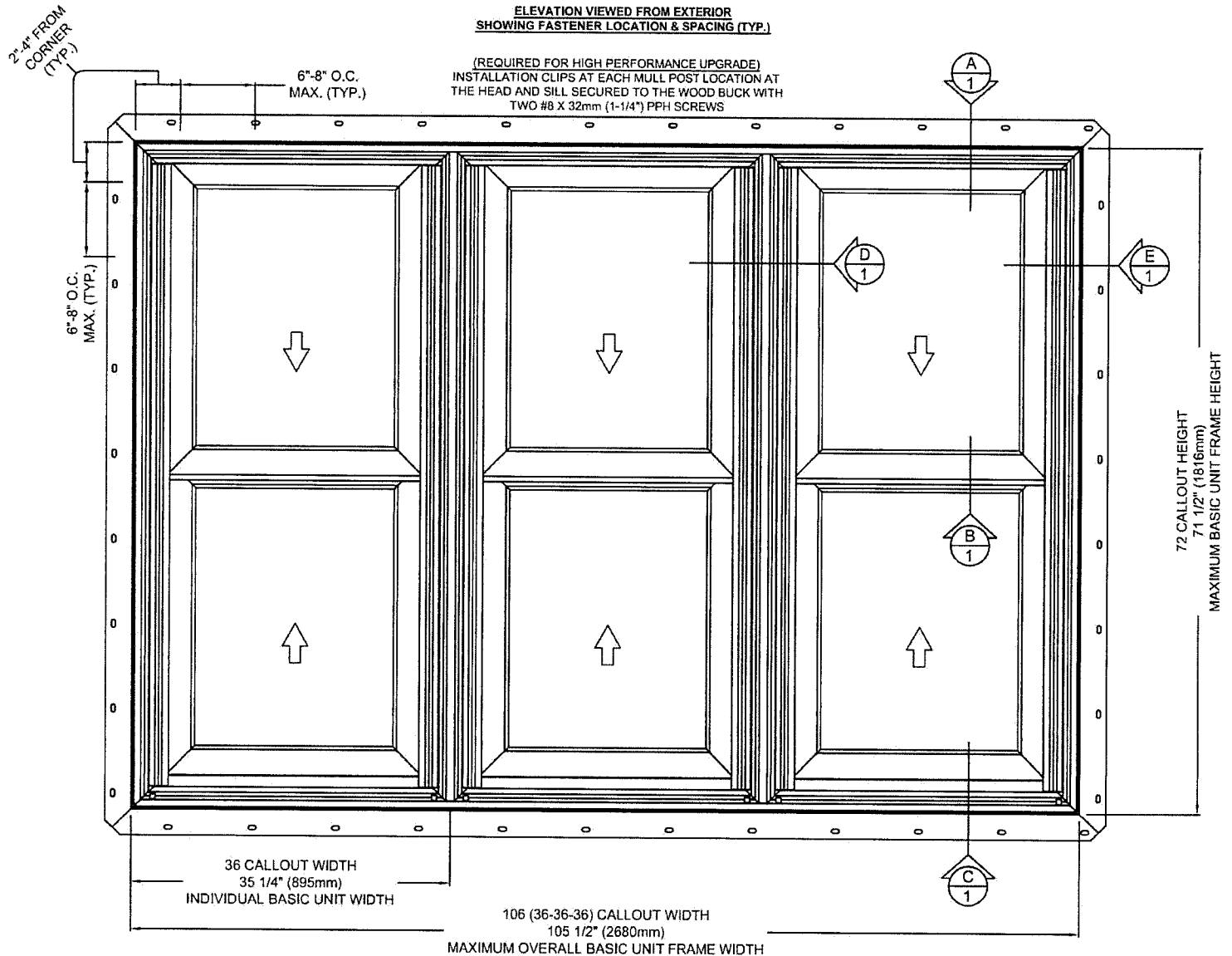
Installation requirements may vary in particular locations and in other types of construction. Proper installation is essential, and Sierra Pacific Windows, recommends consultation with an AAMA Certified Installer, or other qualified, registered building professional before installation of any Sierra 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.



H3 2.0 Double Hung Operating Window
3-Wide Unit 105 1/2" x 71 1/2"
Integral Vinyl Nail Fin Installation / Non-Impact

TEST REPORT SUMMARY:	
3-WIDE OPERATING MAXIMUM BASIC UNIT FRAME SIZE: 105 1/2" (2680mm) x 71 1/2" (1816mm)	
• OVERALL DESIGN PRESSURE: STD ±35.09 psf HP ±70.18 psf	
• STRUCTURAL TEST PRESSURE: STD ±52.63 psf HP ±105.26 psf	
• RATING: STD LC-PG35 HP LC-PG55	

CCL Listing# 436-H-671.23	ELEMENT TEST REPORT NUMBER: ESP022162P-1869 REV. A
H3 2.0 Aluminum Clad/Wood Composite Double Hung Operating Window Integral Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact	
SHEET 2 OF 2	DRAWN BY: B.R. SCALE: Drawn To Scale





Energy Saver Clad Outswing Patio Door
3-2 / 3-2 / 3-2 x 8-3 Dual Swing (112.625" X 98.50")
(Qualifies Single, Dual & Fixed Configurations)
Nail Fin Install, WDMA Instructions / Non-Impact

TEST REPORT SUMMARY:

- MAXIMUM OVERALL DOOR FRAME SIZE:
112.625" (2861mm) x 98.50" (2502mm)
- OVERALL DESIGN PRESSURE: +/- 40
- RATING: LC-PG40-SHD
- STRUCTURAL TEST PRESSURE: +/- 60.15

CL Listing #436-H-611.70,.72

Architectural Testing, Inc., Test # E1889.01-602-44 Specimen #2

Energy Saver Clad Outswing Patio Door
Nail Fin Install, WDMA Instructions / Non-Impact

SHEET: 2 OF 2

UPDATED: 3/06/2018

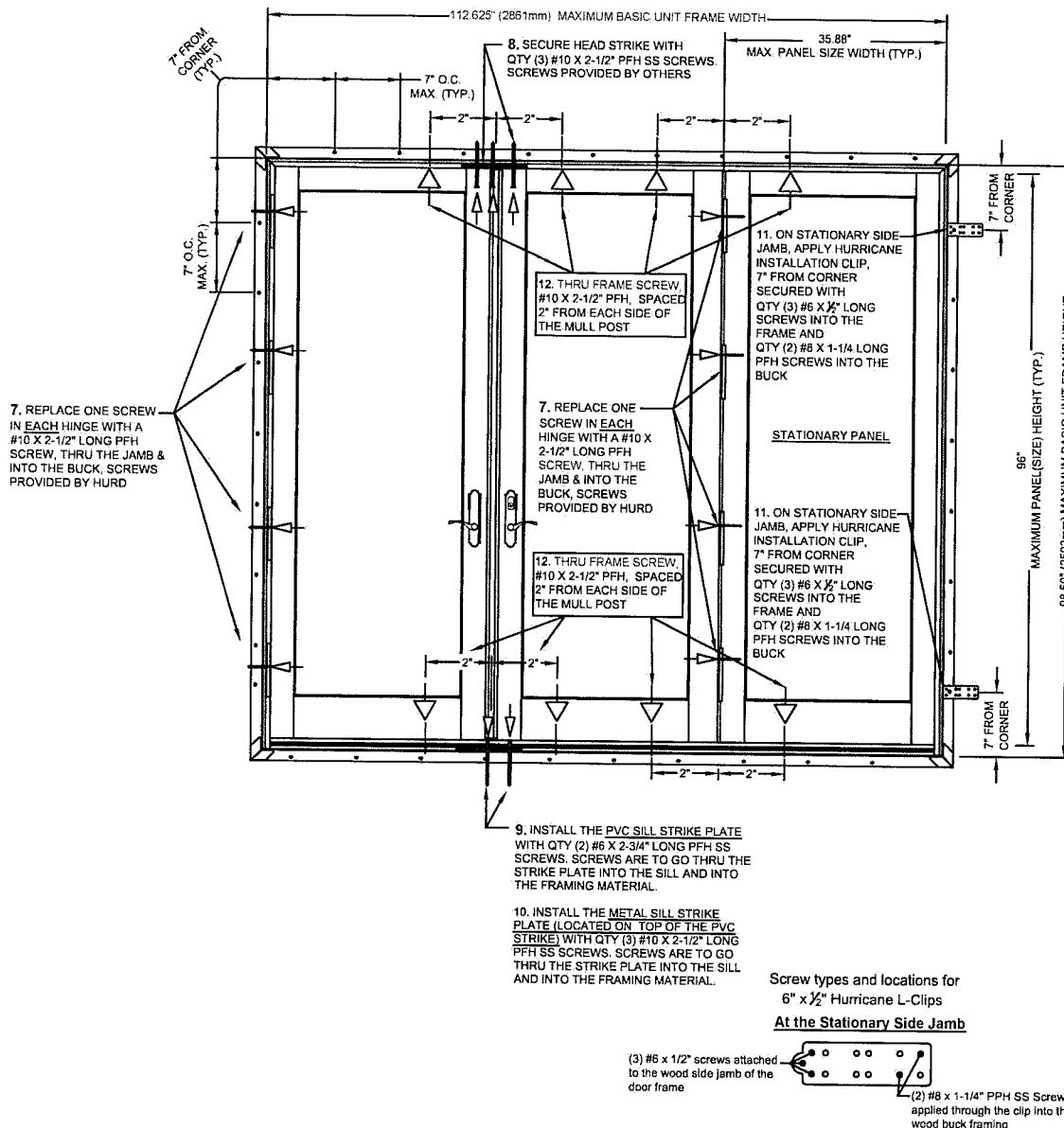
DRAWN BY: B.K.

ANCHOR REQUIREMENTS TABLE

THROUGH NAIL FIN, STRIKES, CLIP, AND THRU FRAME INSTALLATION with SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE, FASTENER SPACING	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD BUCK	<ul style="list-style-type: none">4. NAIL FIN - #8 X 1-1/4" Long PFH SS screws spaced 7" from each corner & 7" on center thereafter.7. EACH HINGE QTY (1) - #10 X 2-1/2" PFH SS Screw through each hinge plate8. HEAD STRIKE QTY (3) - #10 X 2-1/2" PFH Screws through the head strike plate9. PVC SILL STRIKE QTY (2) - #6 X 2-3/4" PFH Screws through the PVC sill strike plate10. METAL SILL STRIKE QTY (3) - #10 X 2-1/2" PFH Screws through the Metal sill strike plate11. QTY (2) 6" x 1-1/2" HURRICANE CLIPS - Stationary Jamb Side, install flat hurricane clips 7" from each corner. Apply clip to door frame with QTY (3) #6 x 1/2" screws and attach to the wood buck with QTY (2) #8 x 1-1/4" Screws12. MULL POST LOCATIONS - 2" on each side of the head and sill mull posts, install #10 x 2-1/2" PFH screws	1"	3/4"
ANCHORS MUST BE INTO A MIN. 2X_ FRAME OR BUCK. IF SPACE BETWEEN WALL FRAME & WINDOW FRAME IS GREATER THAN THAT REQUIRED FOR A 2X_ FRAME OR BUCK 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			

ELEVATION SHOWING
FASTENER LOCATION & SPACING (TYP.)

MAXIMUM DOOR FRAME SIZE
112.625" (2861mm) x 98.50" (2502mm)
PANEL SIZE = 35.88" X 96"



Screw types and locations for
6" x 1/2" Hurricane L-Clips

At the Stationary Side Jamb

(3) #6 x 1/2" screws attached
to the wood side jamb of the
door frame

(2) #8 x 1-1/4" PFH SS Screws
applied through the clip into the
wood buck framing

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Clad Double Hung Operating Window 2-Wide with Concealed Jambliner Vinyl Nail Fin Installation / Non-Impact

TEST REPORT SUMMARY:

- 2-WIDE UNIT SHOWN. More than 2 windows may be mulled together (Mullion may be Horizontal or Vertical.)
- SINGLE UNIT, MAXIMUM BASIC UNIT FRAME SIZE: 37.5" (953mm) X 76.75" (1949mm)
- OVERALL DESIGN PRESSURE: 50 psf
- STRUCTURAL TEST PRESSURE: +50/-50 psf
- RATING: LC-PG50

CCL Listing# 436-H-579.32

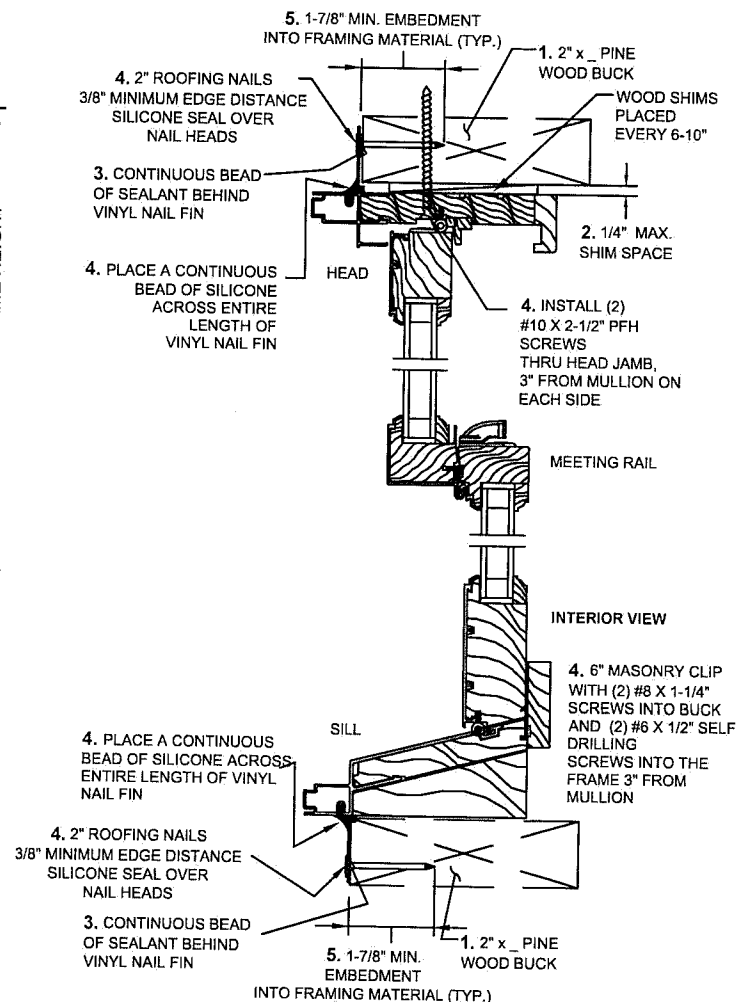
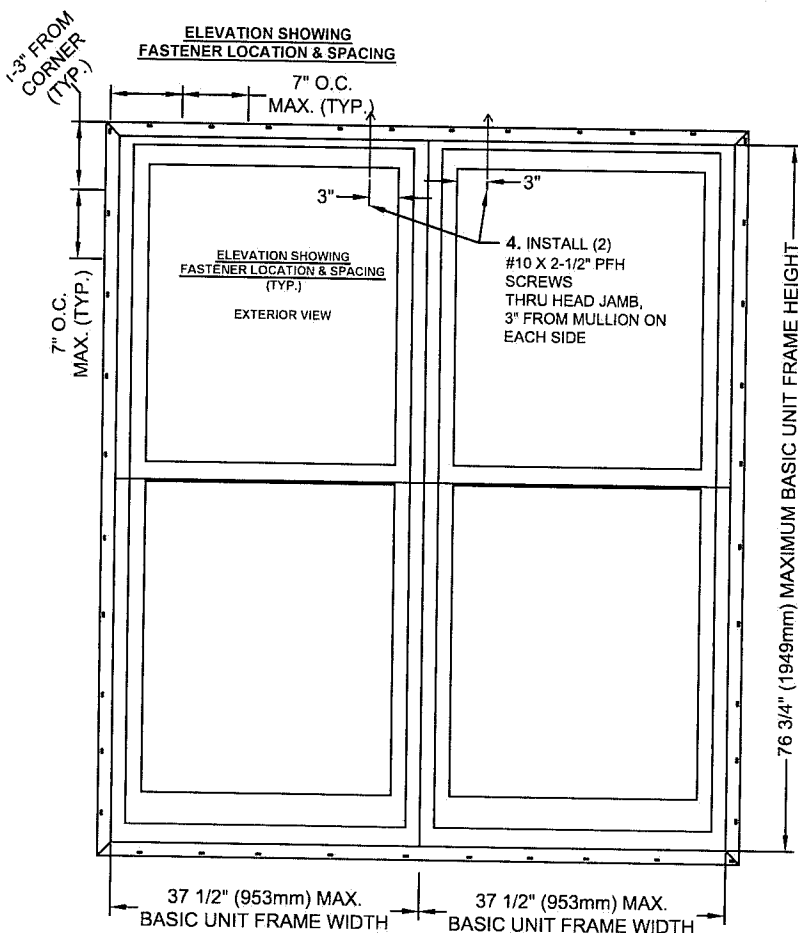
ATI TEST REPORT #: E0330.01-602-44

Aluminum Clad Wood Double Hung Mulled Operating Windows Vinyl Nail Fin Installation / WDMA Instructions / Non-Impact

SHEET: 1 OF 1

Updated: 03/07/2018

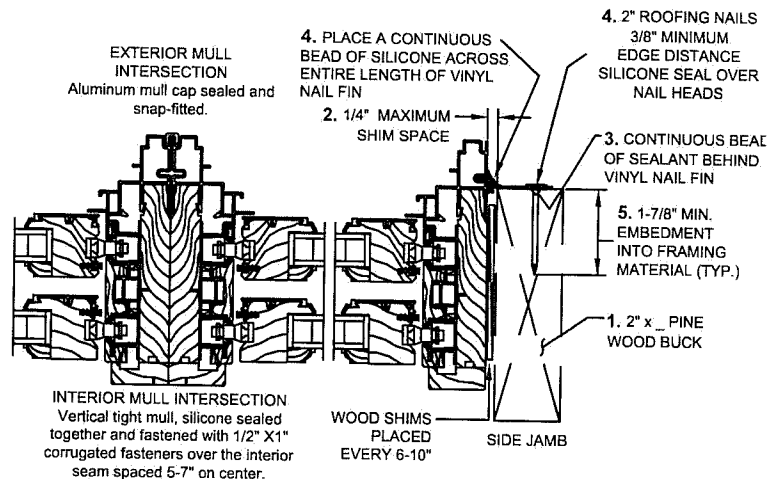
DRAWN BY: H.W.D.



INSTALLATION NOTES:

- USE 2" x PINE WOOD BUCK.
 - PLACE WOOD SHIMS EVERY 6-10"
- 1/4" MAXIMUM SHIM SPACE AT HEAD & JAMB
- APPLY A CONTINUOUS BEAD OF SEALANT BETWEEN THE VINYL NAIL FIN AT THE HEAD, SILL & SIDE JAMBS AND THE BUCK
- INSTALL 2" ROOFING NAILS SPACED APPROXIMATELY 1-3" FROM EACH CORNER AND 7" ON CENTER THEREAFTER THRU THE VINYL NAIL FIN AT HEAD AND THRU THE VINYL NAIL FIN AT SILL AND SIDE JAMBS
 - AT THE INTERIOR OF THE UNIT, PLACE 6" MASONRY CLIP W/ (2) #8 X 1 1/4" SCREWS INTO THE BUCK AND (2) #6 X 1/2" SELF DRILLING SCREWS INTO THE FRAME
 - INSTALL (2) #10 X 2-1/2" PFH SCREWS THRU HEAD JAMB, 3" FROM MULLION ON EACH SIDE.
 - PLACE A CONTINUOUS BEAD OF SILICONE ACROSS ENTIRE LENGTH OF VINYL NAIL FIN, ALL 4 SIDES
- 1-7/8" MINIMUM FASTENER EMBEDMENT INTO FRAMING MATERIAL SILICONE SEAL OVER NAIL/SCREW HEADS
- MAXIMUM INDIVIDUAL WINDOW SIZE: B.U.S. (Basic Unit Size)= 37 1/2" (953mm) X 76 3/4" (1949mm)

Note: Qualifies Multiple Wide OR Multiple High Window Configurations



Check rough opening for proper size, plumb, level and square.
Make all necessary adjustments to ensure rough opening is plumb, level and 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, sill and jambs.
Consult full installation instructions found on the Sierra Pacific Windows web site, www.sierrapacificwindows.com, for all recommended installation procedures.
Wood buck, framing, fasteners, sealant and all wall system materials are provided by others.

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 product. 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.