

# FeelSafe & FeelSafe IG Monument Rectangle, Archtop & Springline Single/Double Hung Operating 1-Wide Window 41.31" Wide x 76.63" High Maximum Size Nail Fin Installation / Impact

Unit #5 ALUMINUM  
NAIL FIN INSTALLATION



Element Materials Technology TEST REPORT #: ESP015004P-1482

## FeelSafe Monument Clad Archtop & Springline Single/Double Hung Operating 1-Wide Window, Nail Fin Installation / WDMA Instructions / Impact

SHEET: 1 OF 3

DRAWING REV. B, 8/18/26

DRAWN BY: H.W.D.

CHECKED BY: R.J.A.

### TEST REPORT SUMMARY:

- SINGLE UNIT, MAXIMUM BASIC UNIT FRAME SIZE:  
41.31" (1049mm) x 76.63" (1946mm)
- OVERALL DESIGN PRESSURE: +65 / - 85 psf
- RATING: +65/-85, Missile D, Wind Zone 4

DATE: 07/29/2014

DWG. No.: HURD0007

### NAIL FIN ANCHOR REQUIREMENTS TABLE

#### THROUGH NAIL FIN UTILIZING SCREWS

| OPENING TYPE (SUBSTRATE) | JAMB TO OPENING FASTENER TYPE, FASTENER SPACING                                                                                                                                                                                                                                                                                         | MINIMUM EMBED                        | MINIMUM EDGE DIST.            |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------|
| 2X_ WOOD FRAME OR BUCK   | Substrate: #8 X 1-1/4" PPH SS SCREWS SPACED MAXIMUM 2" FROM EACH CORNER & MAXIMUM 8" ON CENTER THEREAFTER.<br><br>Applied Nail Fin: (1) #6 x 5/8" or (1) #6 x 1/2" PPH SS Screw through applied nail fin into window unit cladding. Screw nail fin at end holes and spaced 8" to 10" on center typical. Pre-drilling of frame optional. | 1-1/4"                               | 3/4"                          |
|                          |                                                                                                                                                                                                                                                                                                                                         | Maximum shim space<br>1/4" each side | Shim Placement<br>Every 6-10" |

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.

### INSTALLATION NOTES:

1. Use 2" x \_ wood frame or buck.
2. 1/4" maximum shim space at head, sill, jamb.  
- Install wood shims every 6-10" at head, sill and jambs.
3. Apply a continuous bead of sealant between the aluminum structural drip cap at the head and the structural aluminum nail fin at sides & sill and the buck.
4. 1-1/4" minimum fastener embedment into framing material, silicone seal over screw heads. See ANCHOR REQUIREMENTS TABLE above.
5. Maximum window basic unit frame size = 41.31" (1049mm) x 76.63" (1946mm)
6. This information is for SINGLE UNITS only. DOES NOT apply to muller units.
7. See Sheet 3 for GLAZING SPECIFICATION.

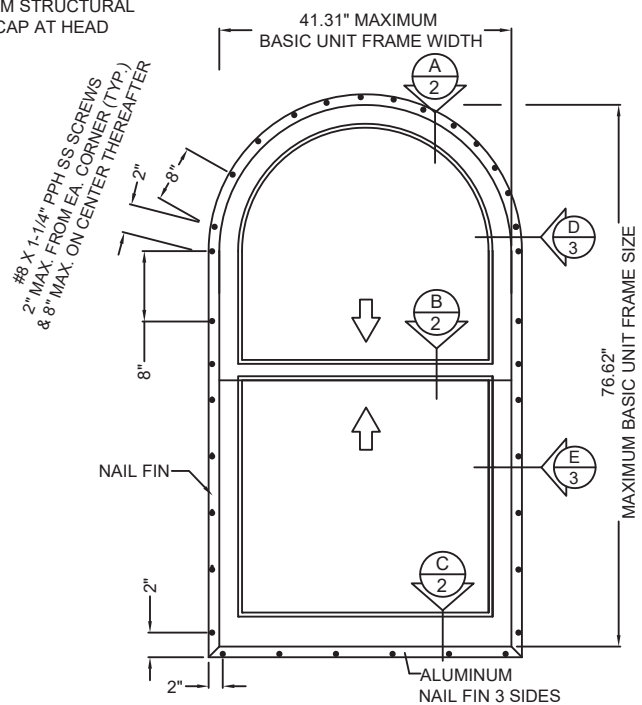
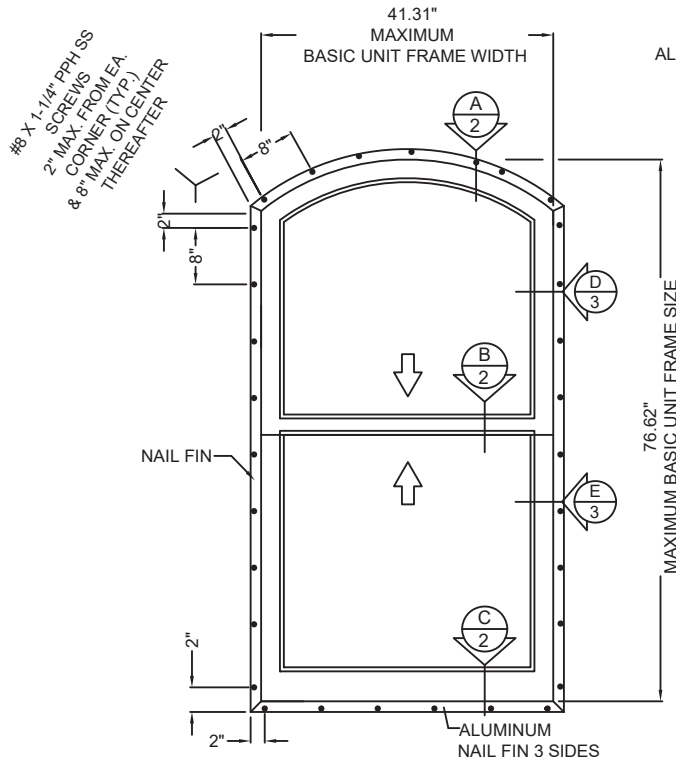
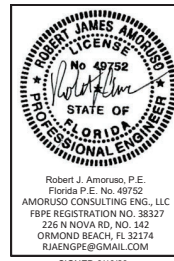
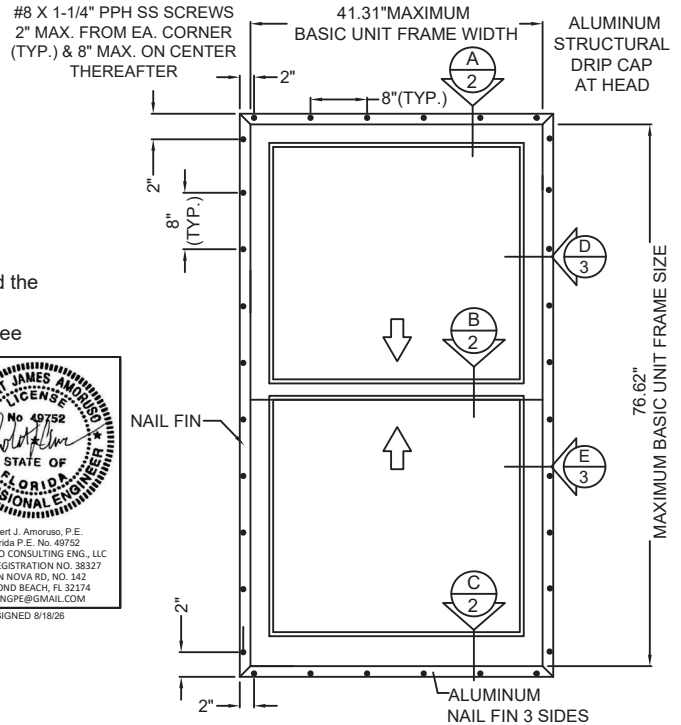
- Check rough opening for proper size, plumb, level and square.
- Make all necessary adjustments to ensure rough opening is plumb, level & square.
- Sill must be flat, level and capable of supporting the weight of the unit.
- Opening should allow a maximum of 1/4" shim space at head, sill and jambs.
- Wood buck, framing, fasteners, sealant and all wall system materials are provided by others.

PLEASE NOTE: Installation shown is for both  
Feelsafe monolithic glass & Feelsafe insulated glass

### ELEVATION SHOWING FASTENER LOCATION & SPACING

#### MAX. WINDOW SIZE

BASIC UNIT FRAME = 41.31" (1049mm) x 76.63" (1946mm)



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

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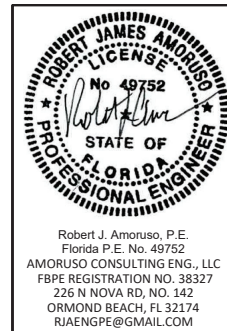
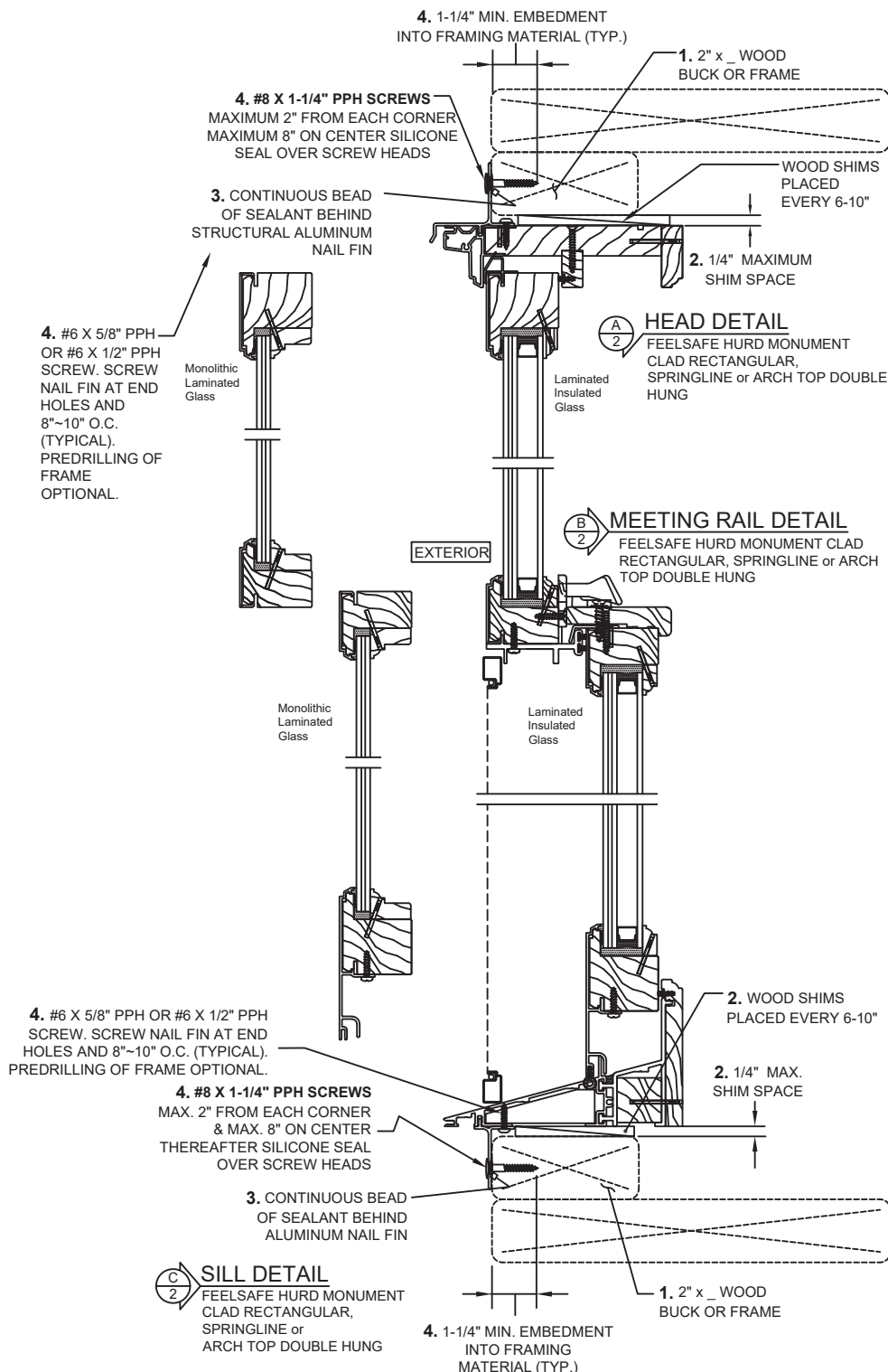
SHEET: 2 OF 3

DRAWING REV. B, 8/18/26

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**NOTE:**  
DOUBLE HUNG SHOWN, ALSO  
QUALIFIES SINGLE HUNG UNITS



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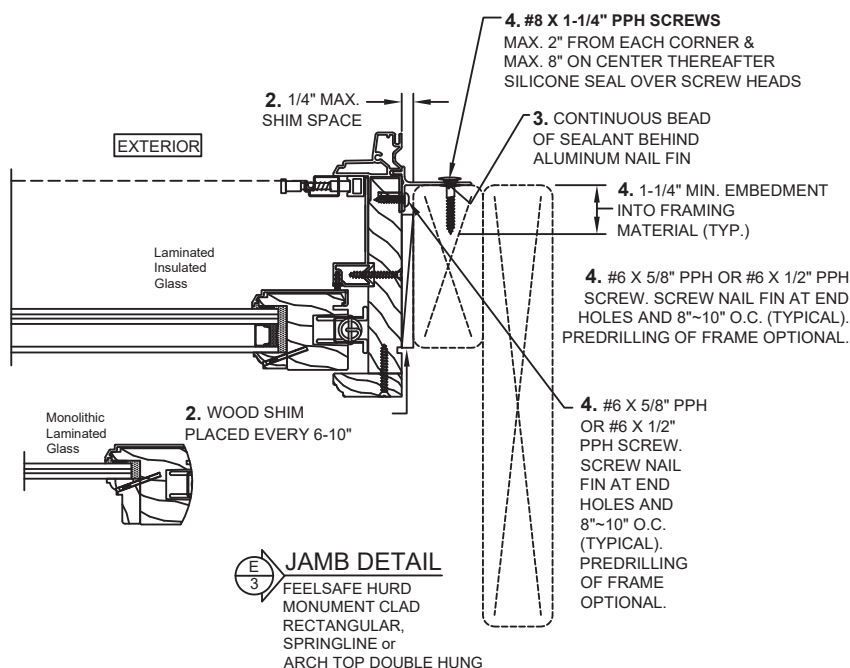
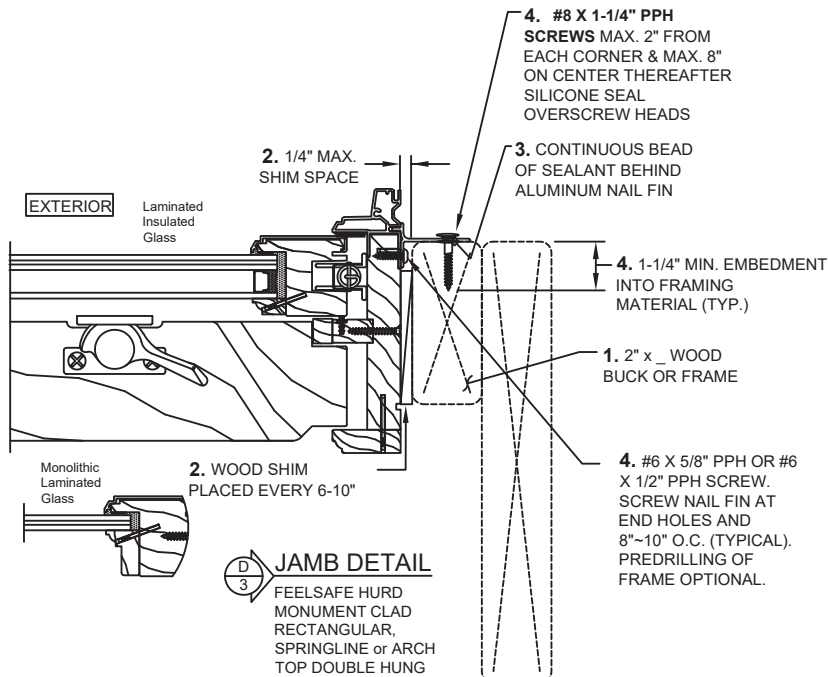
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### GLAZING SPECIFICATION

#### Laminated Insulated Glass - DH/SH

15/16" O.A. Thickness IGU Old Castle KeepSafe: consisting of 3mm tempered interior lite x .438" aluminum box spacer bar x 8.6mm lami consisting of 3mm annealed glass x .090" Saflex PVB Interlayer x 3mm annealed glass

#### Monolithic Laminated Glass - DH/SH

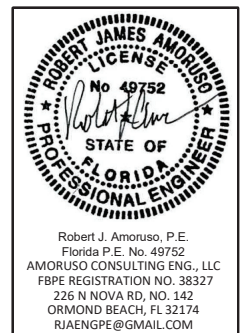
11/32" O.A. Thickness Single Laminated Old Castle KeepSafe: consisting of 3mm annealed glass x .090" Saflex PVB interlayer x 3mm annealed glass.

MD NOA Component Approvals. Current 2020 FBC approvals shown. Later approvals may be applicable.

- Saflex PVB Interlayer: NOA No. 20-0622.01

#### Notes:

1. A minimum of two (2) neoprene setting blocks with 70 to 90 shore a durometer hardness are required at bottom (sill) of glazing lites more than 3 feet in width.
2. As-tested single-ply laminated and IGU laminated systems shown.
3. Glazing Stop Attachment:
  - 3.1. Mechanically attached to adjacent panel member.
  - 3.2. Continuous bead of Tremco S-900 glazing compound 1/8" x 1/4" applied to the glass/exposed sash cladding with a 9/16" glass bite and backfilled.
  - 3.3. Interior glazing stops secured with 1" galvanized T-nails spaced 2" from each corner and 8" - 10" on center thereafter. 3m bump-on glass shims placed between glass and sash cladding.



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