

FeelSafe & FeelSafe IG Monument Rectangle, Archtop & Springline

Single/Double Hung Operating 1-Wide Window

41.31" Wide x 76.63" High Maximum Size

L-Clip Installation / Impact

Element Materials Technology TEST REPORT #: ESP015004P-1482

FeelSafe Monument Clad Archtop & Springline Single/Double Hung 1-Wide Operating Window, Thru Frame & L-Clip Instructions / WDMA Instructions / Impact

SHEET: 1 OF 3

DRAWING REV. A, 4/22/21

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.: HURD0006

L-CLIP INSTALL REQUIREMENTS TABLE

INSTALLATION UTILIZING L-CLIPS

Opening type (Substrate)	JAMB TO OPENING FASTENER TYPE, FASTENER SPACING	Maximum shim space	Shim Placement
2X_ Wood frame or buck	- Install 1-1/2" x 5" long, 20 gauge galvanized hurricane L-clips. At the head and jambs: Each clip is installed with (1) #6 x 1/2" Tek screw into the window unit cladding, (2) #7 x 1/2" PFH SS wood screws into the window unit wood frame & (2) #8 x 1-1/4" PPH SS screws into the wood buck framing material. Clips are to be spaced maximum 6" from each corner & 10" on center thereafter. At the sill: Each clip is installed with (3) #6 x 1/2" Tek screws into the window unit cladding & (2) #8 x 1-1/4" PPH SS screws into the wood buck framing material. Clips are to be spaced maximum 6" from each corner & 10" on center thereafter.	1/4" each side	Every 6-10"
		Maximum shim space	Shim Placement
		1/4" each side	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.

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

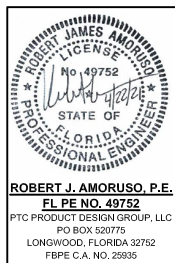
ELEVATION SHOWING FASTENER LOCATION & SPACING

MAX. WINDOW SIZE

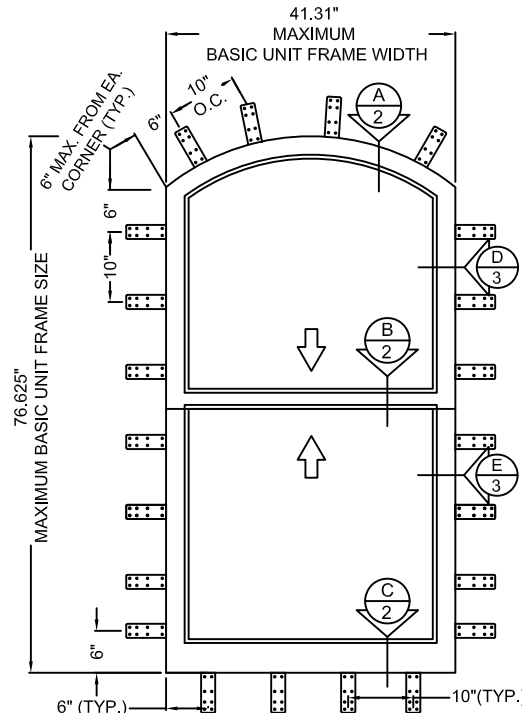
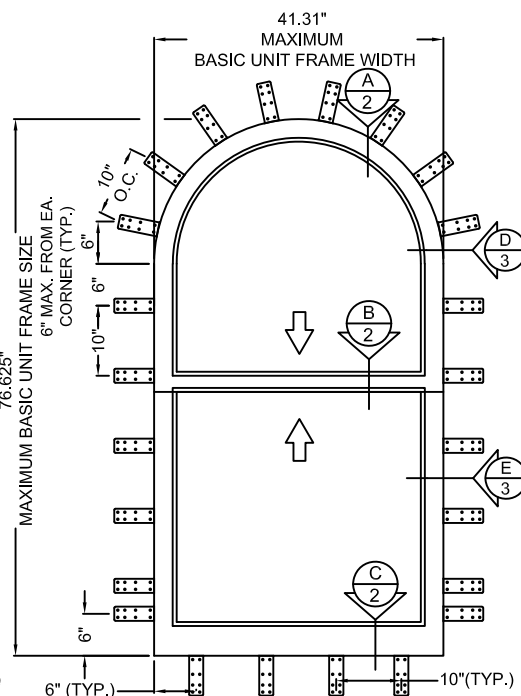
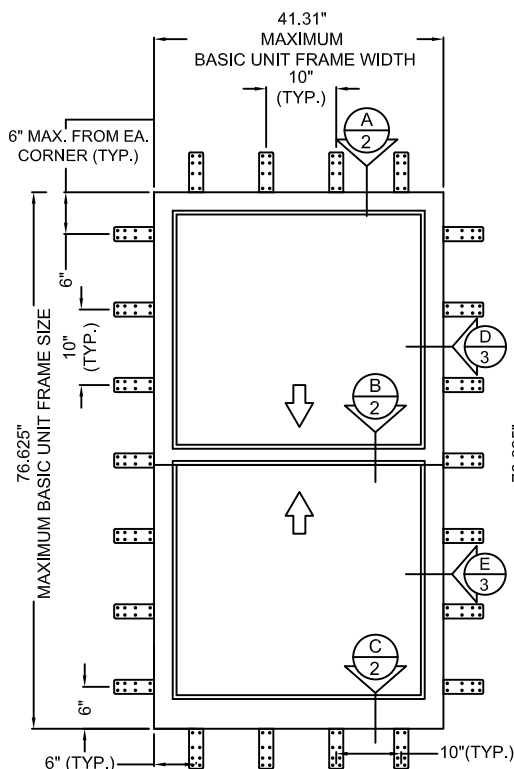
BASIC UNIT FRAME = 41.31" (1049mm) x 76.63" (1946mm)

INSTALLATION 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. Cap bead between the window frame and the buck, full perimeter.
4. See L-CLIP INSTALL REQUIREMENTS TABLE.
5. Maximum window basic unit frame size =
41.31" (1049mm) x 76.63" (1946mm)
- This information is for single units only. Does not apply to mullied units.
6. This information is for SINGLE UNITS only. DOES NOT apply to mullied 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.



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.

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

**UNIT #4 L-CLIP
INSTALLATION**



Element Materials Technology TEST REPORT #: **ESP015004P-1482**

FeelSafe Monument Clad Archtop & Springline Single/Double Hung 1-Wide Operating Window, Thru Frame & L-Clip Installation / WDMA Instructions / Impact

SHEET: 2 OF 3

DRAWING REV. A, 4/22/21

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

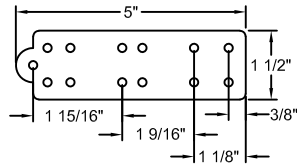
DWG. No.: HURD0006

NOTE:

DOUBLE HUNG SHOWN, ALSO QUALIFIES SINGLE HUNG UNITS

Hurricane L-Clip

1-1/2" X 5", 20 GAUGE (.035") GALVANIZED
STEEL ANCHOR STRAP



Screw types and locations for Hurricane L-Clips

At the Head and Jamb

- (2) #7 x 1/2" PPH SS Screws applied through the clip into the wood buck framing
- (1) #6 x 1/2" Self-tapping Tek Screws attached to the aluminum cladding of the window frame
- (2) #8 x 1-1/4" PPH SS Screws applied through the clip into the wood buck framing

Screw types and locations for Hurricane L-Clips

At the Sill

- (3) #6 x 1/2" Self-tapping Tek Screws attached to the aluminum cladding of the window frame
- (2) #8 x 1-1/4" PPH SS Screws applied through the clip into the wood buck framing

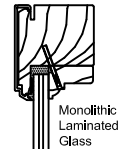
HEAD DETAIL

- FEELSAFE HURD MONUMENT CLAD RECTANGULAR, SPRINGLINE or ARCH TOP DOUBLE HUNG
- 1. 2" x 1/2" WOOD BUCK OR FRAME
- 4. 1-1/2" X 5", 20 GAUGE GALVANIZED HURRICANE L-CLIPS
- 3. CAP BEAD BETWEEN THE WINDOW FRAME AND THE BUCK, FULL PERIMETER
- 4. (1) #6 X 1/2" TEK SCREWS THROUGH L-CLIP INTO WINDOW UNIT, INSTALLED PER FRAME ANCHOR REQUIREMENT TABLE ON PAGE 1.
- 2. 1/4" MAX. SHIM SPACE
- 2. WOOD SHIMS PLACED EVERY 6-10" & AT SCREW LOCATIONS
- 4. (2) #7 X 1/2" PPH SCREWS THROUGH L-CLIP INTO WOOD PORTION OF THE WINDOW FRAME. INSTALLED PER FRAME ANCHOR REQUIREMENT TABLE ON PAGE 1.
- 4. (2) #8 X 1-1/4" PPH SCREWS THROUGH L-CLIP INTO WOOD BUCK FRAMING. INSTALLED PER FRAME ANCHOR REQUIREMENT TABLE ON PAGE 1.

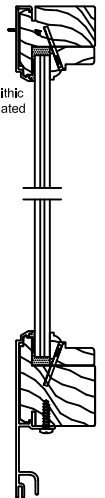
EXTERIOR

MEETING RAIL DETAIL

FEELSAFE HURD MONUMENT CLAD RECTANGULAR, SPRINGLINE or ARCH TOP DOUBLE HUNG



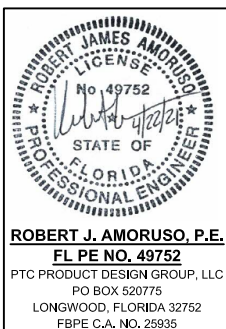
Monolithic Laminated Glass



Monolithic Laminated Glass

SILL DETAIL

- FEELSAFE HURD MONUMENT CLAD RECTANGULAR, SPRINGLINE or ARCH TOP DOUBLE HUNG
- 2. 1/4" MAX. SHIM SPACE
- 2. WOOD SHIMS PLACED EVERY 6-10" & AT SCREW LOCATIONS
- 4. (3) #6 X 1/2" TEK SCREWS THROUGH L-CLIP INTO WINDOW UNIT. INSTALLED PER FRAME ANCHOR REQUIREMENT TABLE ON PAGE 1.
- 3. CAP BEAD BETWEEN THE WINDOW FRAME AND THE BUCK, FULL PERIMETER
- 1. 2" x 1/2" WOOD BUCK OR FRAME
- 4. 1-1/2" X 5", 20 GAUGE GALVANIZED HURRICANE L-CLIPS
- 4. (2) #8 X 1-1/4" PPH SCREWS THROUGH L-CLIP INTO WOOD BUCK FRAMING. INSTALLED PER FRAME ANCHOR REQUIREMENT TABLE ON PAGE 1.



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41.31" Wide x 76.63" High Maximum Size
L-Clip Installation / Impact*

**UNIT #4 L-CLIP
INSTALLATION**



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**FeelSafe Monument Clad Archtop & Springline Single/Double Hung 1-Wide
Operating Window, Thru Frame & L-Clip Installation / WDMA Instructions / Impact**

SHEET: 3 OF 3

DRAWING REV. A, 4/22/21

DRAWN BY: H.W.D.

CHECKED BY: R.J.A.

TEST REPORT SUMMARY:

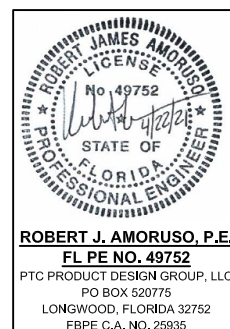
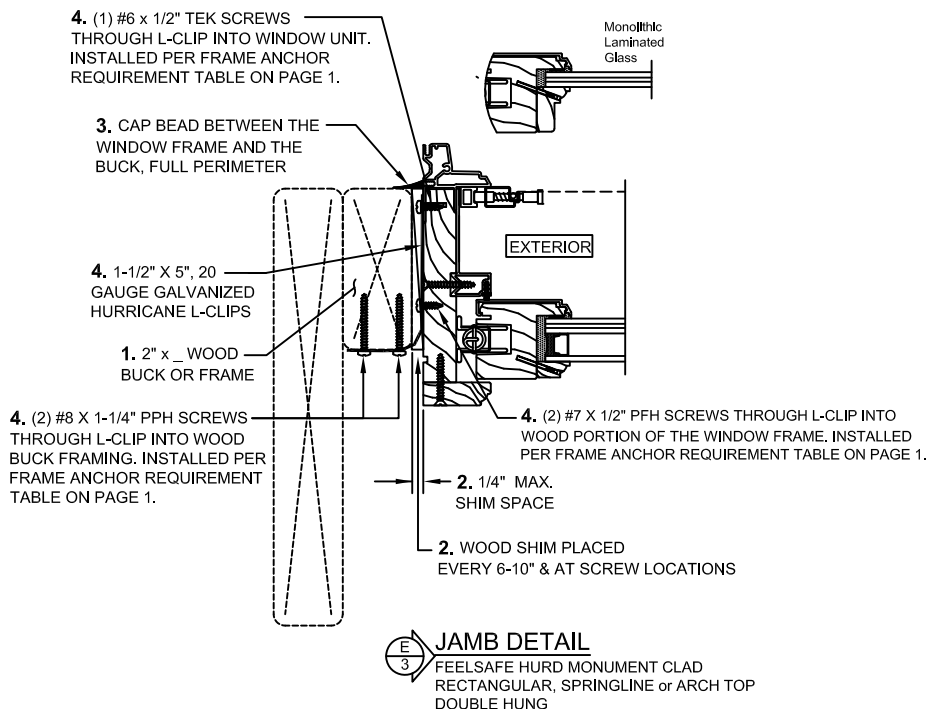
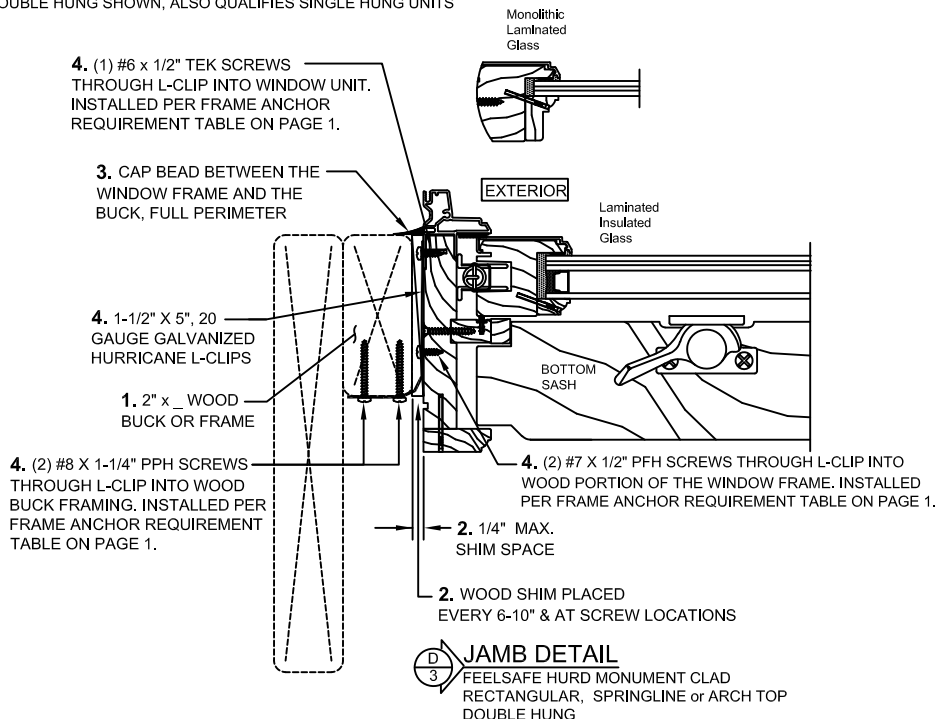
- SINGLE UNIT, MAXIMUM BASIC UNIT FRAME SIZE:
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DATE: 07/29/2014

DWG. No.: HURD0006

NOTE:

DOUBLE HUNG SHOWN, ALSO QUALIFIES SINGLE HUNG UNITS



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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