



FeelSafe & FeelSafe IG
Monument Double Hung/Single Hung
Operating Window with Transom Window Stack
with 1/4" x 5" Aluminum Horizontal Plate Mull
82.63"W x 106.19"H Mull Assembly
L-Clip Installation / Impact

TEST REPORT SUMMARY:	
- OVERALL BASIC UNIT FRAME SIZE:	
82.63" (2099mm) x 106.19" (2697mm)	
DOUBLE HUNG/SINGLE HUNG OPERATING UNIT MAX. SIZE: 41.31" (1049mm) X 76.63" (1946mm)	
TRANSOM SASH'N FRAME OR DIRECT SET UNIT MAXIMUM SIZE: 82.63" (2099mm) X 29.31" (744mm)	
- OVERALL DESIGN PRESSURE: +65 / - 75 psf	
- RATING: +65/-75, Missile D, Wind Zone 4	
DATE: 07/29/2014 DWG. No.: HURD0017	

Element Materials Technology TEST REPORT #: ESP015004P-1482			
FeelSafe Monument Clad Double Hung/Single Hung Operating with Transom Window Stack w/ 1/4"x5" Aluminum Horizontal Plate Mull Reinforcement L-Clip Install/WDMA			
SHEET: 1 OF 5	DRAWING REV. B, 8/18/26	DRAWN BY: H.W.D.	CHECKED BY: R.J.A.

L-CLIP ANCHOR REQUIREMENTS TABLE			
INSTALLATION UTILIZING L-CLIPS			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE, FASTENER SPACING	MINIMUM EMBED	MINIMUM EDGE DIST.
2X_ WOOD FRAME OR BUCK	• HEAD & SIDE JAMBS; INSTALL 1-1/2" X 5" LONG, 20 GAUGE GALVANIZED HURRICANE CLIPS SPACED MAXIMUM 6" FROM EACH CORNER AND MAXIMUM 10" ON CENTER THEREAFTER INTO THE WOOD BUCK FRAMING MATERIAL AT HEAD & SIDE JAMBS (SEE ELEVATIONS ON P 2 & 3). 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. • DH/SH SILL; INSTALL (4) 1-1/2" X 5" LONG, 20 GAUGE GALVANIZED HURRICANE CLIPS. 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 6" FROM EACH CORNER AND ONE AT MID-SPAN ON EACH DOUBLE HUNG. IN ADDITION, INSTALL CLIPS A MAXIMUM 3" & 6" FROM EACH SIDE OF THE VERTICAL MULL SEAM AT THE SILL (SEE ELEVATIONS ON P 2 & 3). • HORIZONTAL MULL LOCATION, JAMBS; INSTALL (4) 1-1/2" X 5" LONG, 20 GAUGE GALVANIZED HURRICANE CLIPS. EACH CLIP IS INSTALLED WITH (3) #6 X 1/2" TEK SCREWS INTO THE WINDOW UNIT SILL & (2) #8 X 1-1/4" PPH SS SCREWS INTO THE WOOD BUCK FRAMING MATERIAL MAXIMUM 3" & 6" FROM EACH SIDE OF THE HORIZONTAL MULL (SEE ELEVATIONS ON PAGES 2 & 3).	1-1/4"	3/4"
		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.			

INSTALLATION NOTES:

- Fixed unit can be a transom sash'n frame or direct set unit.
- Sill may be 2 piece construction. single unit installation do not require l-clips at sill.
- Single unit installation do not require l-clips at sill. single unit installation require separate framing or the use of 2" tube mull.
- Sill must be a minimum of 7" when installing with the 1/4" vertical aluminum plate mull. Sill may be 2 piece construction.

1. Use 2" x _ pine wood buck. Sill may be 2 piece construction. Single unit installation does not require masonry clips at sill. Single unit installation requires separate framing or the use of 2" tube mull.

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. - **HEAD & SIDE JAMBS;** INSTALL 1-1/2" X 5" LONG, 20 GAUGE GALVANIZED HURRICANE CLIPS SPACED MAXIMUM 6" FROM EACH CORNER AND MAXIMUM 10" ON CENTER THEREAFTER INTO THE WOOD BUCK FRAMING MATERIAL AT HEAD & SIDE JAMBS (SEE ELEVATIONS ON P 2 & 3). 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.
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- **HORIZONTAL MULL LOCATION, JAMBS;** INSTALL (4) 1-1/2" X 5" LONG, 20 GAUGE GALVANIZED HURRICANE CLIPS. EACH CLIP IS INSTALLED WITH (3) #6 X 1/2" TEK SCREWS INTO THE WINDOW UNIT SILL & (2) #8 X 1-1/4" PPH SS SCREWS INTO THE WOOD BUCK FRAMING MATERIAL MAXIMUM 3" & 6" FROM EACH SIDE OF THE HORIZONTAL MULL (SEE ELEVATIONS ON PAGES 2 & 3).
- SEE ANCHOR REQUIREMENTS TABLE ABOVE AND SCREW TYPES & LOCATIONS FOR HURRICANE L-CLIPS ON SHEET 4.

5. 1-1/4" minimum fastener embedment into framing material. Silicone seal over screw heads.

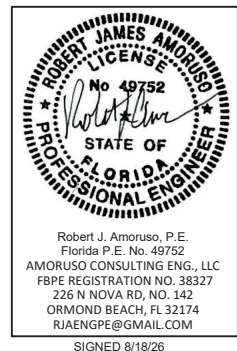
6. Maximum window basic unit frame size =

- Double Hung/Single Hung Operating Unit: 41.31" (1049mm) X 76.63" (1946mm)
- Transom Unit: 82.63" (2099mm) X 29.31" (744mm)

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.



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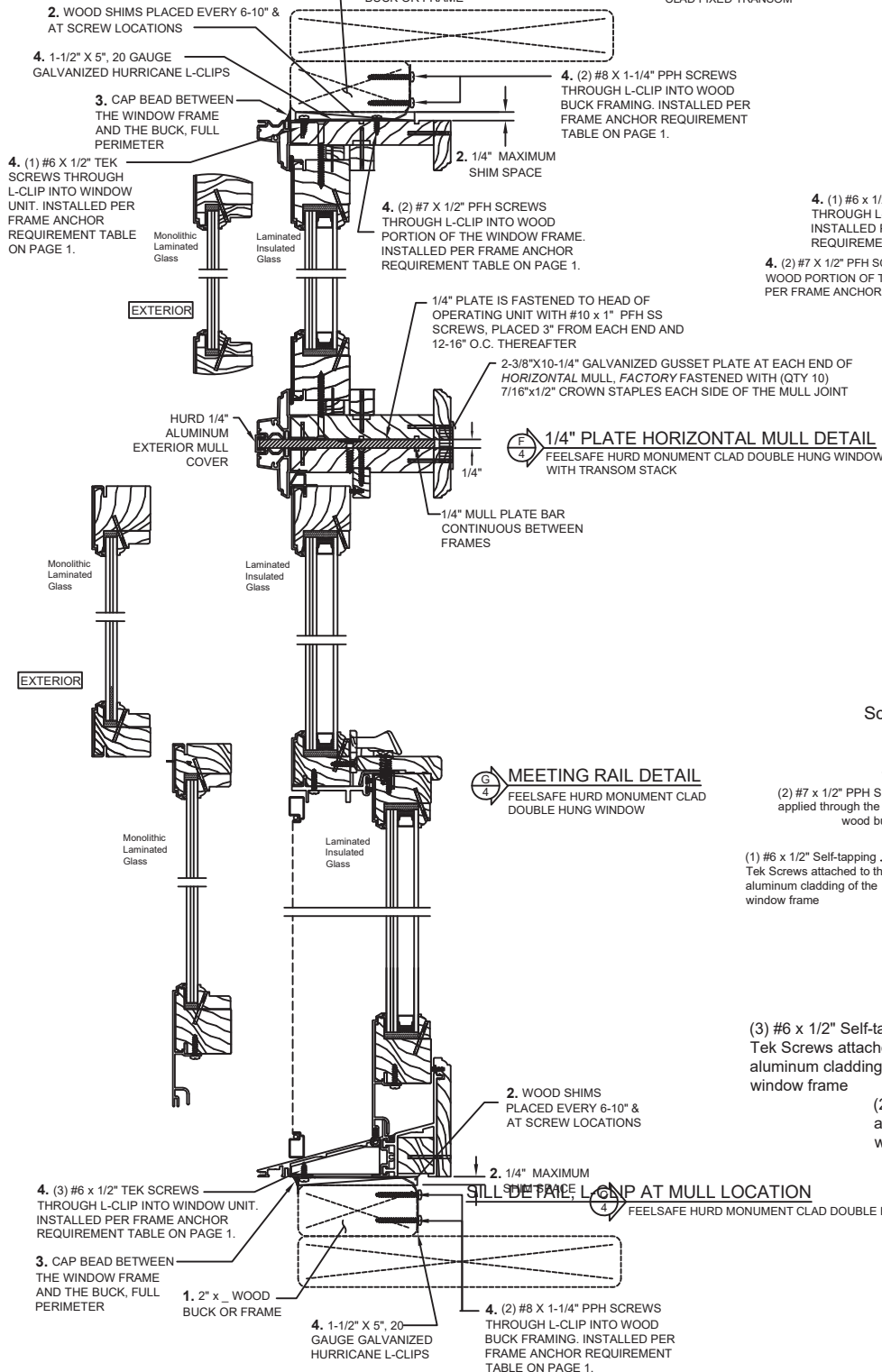
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NOTE:

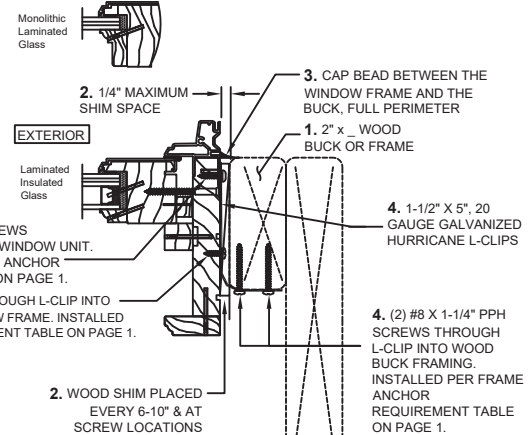
DOUBLE HUNG SHOWN, ALSO QUALIFIES SINGLE HUNG UNITS



HEAD DETAIL

HURD FEELSFAE MONUMENT CLAD FIXED TRANSOM

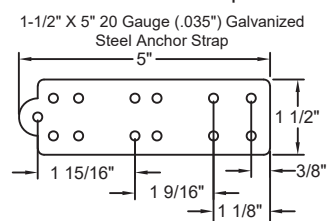
NOTE: FIXED UNIT CAN BE A TRANSOM SASH'N FRAME OR DIRECT SET UNIT



JAMB DETAIL (TYPICAL)

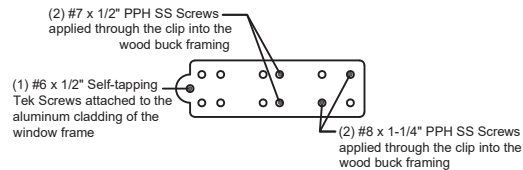
HURD FEELSFAE MONUMENT CLAD FIXED TRANSOM

Hurricane L-Clip

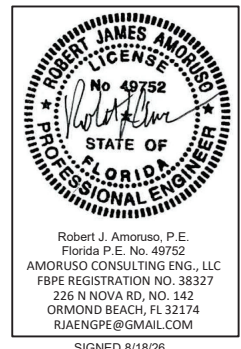
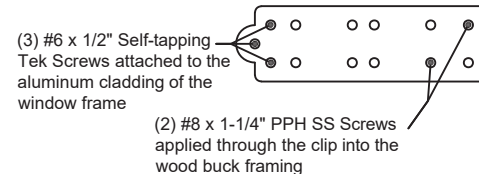


Screw types and locations for Hurricane L-Clips

At the Head and Jamb



Screw types for Sill Location





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**FeelSafe Monument Clad Double Hung/Single Hung Operating with Transom Window Stack
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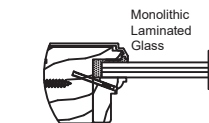
4. (1) #6 x 1/2" TEK SCREWS
THROUGH L-CLIP INTO WINDOW UNIT.
INSTALLED PER FRAME ANCHOR
REQUIREMENT TABLE ON PAGE 1.

3. CAP BEAD BETWEEN THE
WINDOW FRAME AND THE
BUCK, FULL PERIMETER

4. 1-1/2" X 5", 20
GAUGE GALVANIZED
HURRICANE L-CLIPS

1. 2" x _ WOOD
BUCK OR FRAME

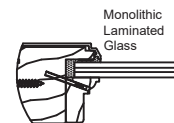
4. (2) #8 X 1-1/4" PPH SCREWS
THROUGH L-CLIP INTO WOOD
BUCK FRAMING. INSTALLED PER
FRAME ANCHOR REQUIREMENT
TABLE ON PAGE 1.



2. 1/4" MAXIMUM
SHIM SPACE

Laminated
Insulated
Glass

EXTERIOR ALUMINUM MULL
COVER SEALED AND SNAP FITTED
IN TO THE ACCESSORY GROOVES.



Laminated
Insulated
Glass

4. (2) #7 X 1/2" PFH SCREWS THROUGH L-CLIP INTO
WOOD PORTION OF THE WINDOW FRAME. INSTALLED
PER FRAME ANCHOR REQUIREMENT TABLE ON PAGE 1.

2. WOOD SHIM PLACED
EVERY 6-10" & AT
SCREW LOCATIONS



VERTICAL MULL DETAIL

FEELSAFE HURD MONUMENT CLAD DH
WINDOW MULLED TO CLAD DH WINDOW



JAMB DETAIL

FEELSAFE HURD MONUMENT
CLAD DOUBLE HUNG WINDOW

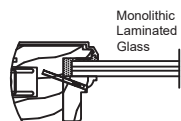
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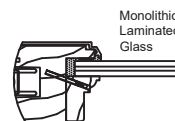
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2. 1/4" MAXIMUM
SHIM SPACE

Laminated
Insulated
Glass

EXTERIOR ALUMINUM MULL COVER
SEALED AND SNAP FITTED IN TO
THE ACCESSORY GROOVES.



Laminated
Insulated
Glass

4. (2) #7 X 1/2" PFH SCREWS THROUGH L-CLIP INTO
WOOD PORTION OF THE WINDOW FRAME. INSTALLED
PER FRAME ANCHOR REQUIREMENT TABLE ON PAGE 1.

2. WOOD SHIM PLACED
EVERY 6-10" & AT
SCREW LOCATIONS



VERTICAL MULL DETAIL

FEELSAFE HURD MONUMENT
CLAD DH WINDOW MULLED TO
CLAD DH WINDOW

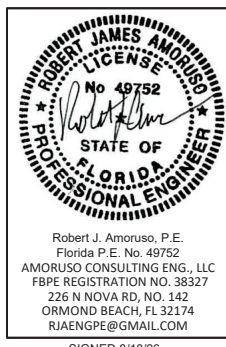


JAMB DETAIL

FEELSAFE HURD MONUMENT
CLAD DOUBLE HUNG WINDOW

NOTE:

DOUBLE HUNG
SHOWN, ALSO
QUALIFIES
SINGLE HUNG
UNITS



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