

SIERRA PACIFIC WINDOWS

FEELSAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, EVALUATED AND DESIGNED TO THE DESIGN PRESSURE(S) STATED HEREIN TO THE FOLLOWING PERFORMANCE STANDARDS:  
1.1. HIGH VELOCITY HURRICANE ZONE PROTOCOLS, TAS-201, TAS-202, AND TAS-203.
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. ESP015004P-1482 AND ASSOCIATED LABORATORY DRAWINGS BY ELEMENT MATERIALS TECHNOLOGY.
3. THIS PRODUCT EVALUATION DOCUMENT IS INTENDED FOR USE THROUGHOUT FLORIDA INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
4. ADEQUACY OF THE EXISTING STRUCTURAL SUBSTRATES AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
5. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
6. SITE CONDITIONS NOT COVERED IN THIS PRODUCT EVALUATION DOCUMENT ARE SUBJECT TO ADDITIONAL ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
8. MATERIALS  
8.1. WINDOW FRAME MATERIAL:  
8.1.1. PONDEROSA PINE USED IN TESTING. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY HURD WINDOWS & DOORS TO SELECT.  
8.1.2. ALUMINUM CLADDING (6063-T5 OR T6).  
8.2. LAMINATING INTERLAYERS, MD NOA COMPONENT APPROVALS. CURRENT 2020 FBC APPROVALS SHOWN. LATER APPROVALS MAY BE APPLICABLE.  
8.2.1. SAFLEX HP INTERLAYER: NOA NO. 20-0622.02  
8.2.2. SAFLEX CP INTERLAYER: NOA NO. 20-0622.03  
8.2.3. OLDCASTLE STORMGLASS INTERLAYER: NOA NO. 20-0622.07
9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-09a.
10. DESIGNATION "O" STANDS FOR FIXED LITE.
11. THESE DRAWINGS CERTIFY THE WINDOW INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER AND/OR THE INSTALLER.

INSTALLATION NOTES:

1. PRODUCT ANCHORS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
2. SEE *ANCHOR SCHEDULE* ON SHEET 2 FOR TYPE AND GRADE OF ANCHOR, AND/OR MANUFACTURER'S ANCHOR SPECIFICATIONS, INCLUDING MINIMUM NOMINAL SIZE, MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM EDGE DISTANCES.  
2.1. EDGE DISTANCES SHALL BE MEASURED FROM CENTERLINE OF ANCHOR TO EDGE OF STRUCTURAL SUBSTRATE EITHER TO THE INTERIOR OR EXTERIOR OF THE FENESTRATION PRODUCT.  
2.2. MINIMUM EMBEDMENT SHALL BE BASED ON PENETRATION INTO MAIN WIND FORCE RESISTING SYSTEM SUBSTRATE.
3. SEE SHEETS 6, 7 AND 8 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
4. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
5. ANCHOR QUANTITIES AND SPACING / EMBEDMENT AND EDGE DISTANCE  
5.1. THE NUMBER OF INSTALLATION ANCHORS IS BASED ON THE MAXIMUM END DISTANCE (ED) AND THE MAXIMUM ON CENTER (O.C.) SPACING PLACEMENT OF ANCHORS IN ACCORDANCE WITH ELEVATIONS ON SHEETS 3, 4 AND 5.  
5.2. END DISTANCES AND O.C. SPACING LESS THAN THAT SHOWN IN THE ELEVATIONS ON SHEETS 3, 4 AND 5 ARE ACCEPTABLE.  
5.3. FOR WINDOW SIZES SMALLER THAN THOSE SHOWN, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING END DISTANCE AND O.C. SPACING REQUIREMENTS.  
5.4. ANCHOR QUANTITIES AND SPACING SHOWN ARE BASED ON THE LOWER OF ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.  
5.5. SEE EMBEDMENT AND SUBSTRATE EDGE DISTANCE DESCRIPTION ON SHEET 2.
6. MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD COMPOSITE, HIGH DENSITY PLASTIC OR SIMILAR LOAD BEARING MATERIAL.
7. NOT USED..
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW.  
8.1. 2X WOOD BUCK SPECIFIC GRAVITY OF 0.42 (NON-HVHZ) AND 0.55 (HVHZ).

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| SHEET             | SHEET DESCRIPTION                                                |
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| 3                 | NOMINAL 61" x 76" NAILING FIN ELEV. & ANCHORING LAYOUT           |
| 4                 | NOMINAL 61" x 76" THRU-FRAME/CLIP ELEV. & ANCHORING LAYOUT       |
| 5                 | NOMINAL 61" x 76" HURRICANE L-CLIP ELEV. & ANCHORING LAYOUT      |
| 6                 | CROSS SECTIONS - NAILING FIN INSTALLATION                        |
| 7                 | CROSS SECTIONS - THRU-FRAME & SILL HURRICANE L-CLIP INSTALLATION |
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| 11                | SECTION DETAILS - COMPONENT CALLOUT LAMINATED UNIT               |
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| PERFORMANCE RATING  |                           |                               |                       |                                                                                |
|---------------------|---------------------------|-------------------------------|-----------------------|--------------------------------------------------------------------------------|
| MAXIMUM WINDOW SIZE | CONFIGURATION ELEVATION   | GLAZING DETAILS (SEE SHEET 9) | DESIGN PRESSURE (PSF) | IMPACT RATING                                                                  |
| 61-5/16" x 76-5/8"  | NAIL FIN SHEET 3          | A & B                         | +65/- 85              | LARGE MISSILE IMPACT (EQUIVALENT TO ASTM E1996 - WIND ZONE 4, MISSILE LEVEL D) |
| 61-5/16" x 76-5/8"  | THRU-FRAME/L-CLIP SHEET 4 | A & B                         | +65/- 85              |                                                                                |
| 61-5/16" x 76-5/8"  | HURRICANE L-CLIP SHEET 5  | A & B                         | +65/- 85              |                                                                                |

PROJECT # 0421-0311

SIERRA PACIFIC WINDOWS  
575 SOUTH WHELEN AVE.  
MEDFORD, WISCONSIN 54451

TITLE: FEELSAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW  
GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS

PREPARED BY:  
  
PTC PRODUCT DESIGN GROUP, LLC  
LONGWOOD, FLORIDA 32752  
FBPE C.A. NO. 23535

DRAWN BY: RJA  
SCALE: N.T.S.  
REV: A

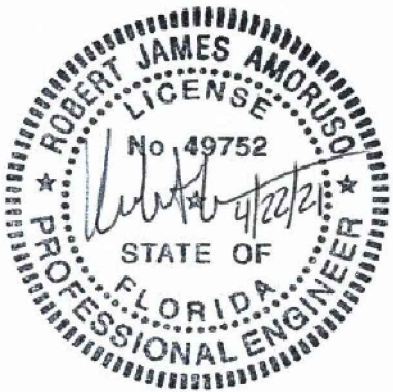
DATE: 7/29/14  
DRAWING NO: HURD0001  
SHEET: 1 OF 12

UPDATE TO CURRENT FBC  
A

DESCRIPTION  
REV

RJA  
422/21  
DATE  
BY

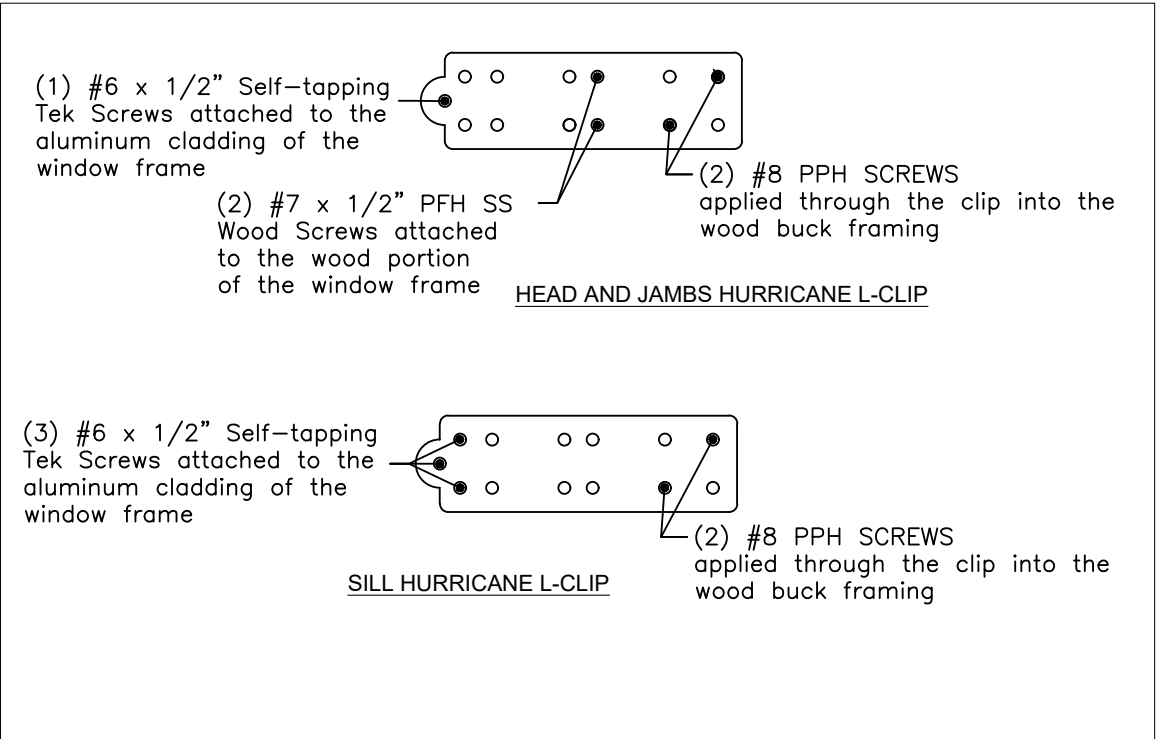
Robert J. Amoruso, P.E.  
Florida P.E. No. 49752



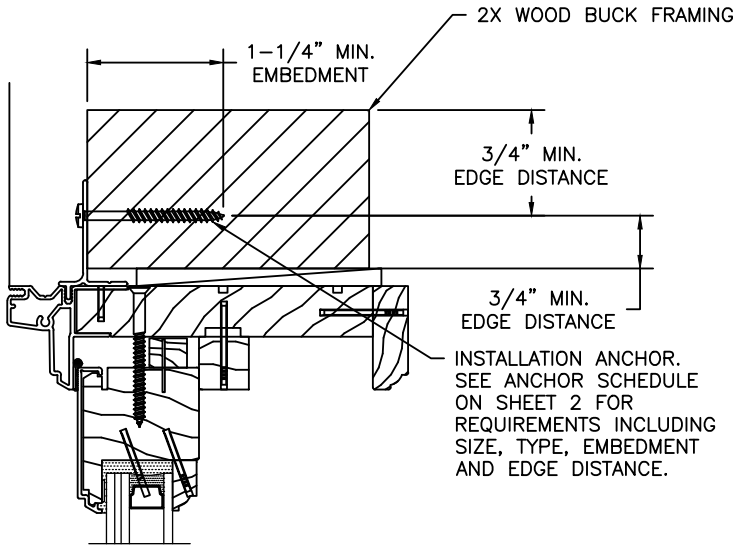
ANCHOR SCHEDULE:

1. SUBSTRATE ANCHOR SCHEDULE
- 1.1. NAILING FIN INSTALLATION
- 1.1.1. NO. 8 SELF-DRILLING/SELF-TAPPING TYPE AB SCREW MEETING ASME B18.6.4.
- 1.1.2. MINIMUM STRENGTH SHALL BE GRADE 2 OF EQUIVALENT
- 1.1.3. MINIMUM EMBEDMENT IS 1-1/4", MINIMUM EDGE DISTANCE IS 3/4".
- 1.2. THRU-FRAME INSTALLATION
- 1.2.1. NO. 10 SELF-DRILLING/SELF-TAPPING TYPE AB SCREW MEETING ASME B18.6.4.
- 1.2.2. MINIMUM STRENGTH SHALL BE GRADE 2 OF EQUIVALENT
- 1.2.3. MINIMUM EMBEDMENT IS 1-1/4", MINIMUM EDGE DISTANCE IS 3/4".
- 1.2. HURRICANE L-CLIP INSTALLATION
- 1.2.1. NO. 8 SELF-DRILLING/SELF-TAPPING TYPE AB SCREW MEETING ASME B18.6.4.
- 1.2.2. MINIMUM STRENGTH SHALL BE GRADE 2 OF EQUIVALENT
- 1.2.3. MINIMUM EMBEDMENT IS 1-1/4", MINIMUM EDGE DISTANCE IS 1/4".
- 1.3. SEE ILLUSTRATIONS ON THIS SHEET FOR ADDITIONAL DETAILS.
2. NAILING FIN / L-CLIP ANCHOR SCHEDULE
- 2.1. NAILING FIN TO WINDOW FRAME
- 2.1.1. #6 X 5/8" PPH OR #6 X 1/2" PPH SCREW. SCREW NAIL FIN AT END HOLES AND 8"~10" O.C. (TYPICAL). PREDRILLING OF FRAME OPTIONAL.
- 2.1.2. TEK SCREWS OR SELF-DRILLING/SELF-TAPPING SCREW MEETING ASME B18.6.4.
- 2.2. HURRICANE L-CLIP TO WINDOW FRAME
- 2.2.1. SEE HURRICANE L-CLIP SCREW TYPES AND LOCATIONS ILLUSTRATION ON THIS SHEET FOR ATTACHMENT OF CLIP TO WINDOW FRAME ALUMINUM CLADDING AND WOOD FRAME AS APPLICABLE.
- 2.2.2. TEK SCREWS OR SELF-DRILLING/SELF-TAPPING SCREW MEETING ASME B18.6.4.

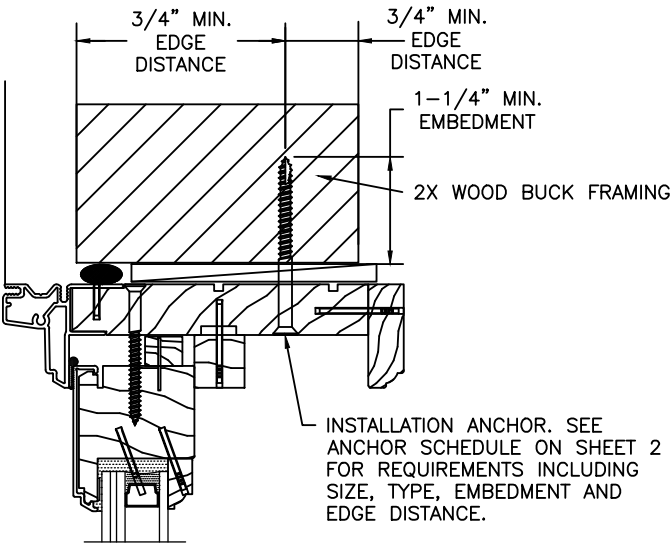
HURRICANE L-CLIP  
SCREW TYPES AND LOCATIONS



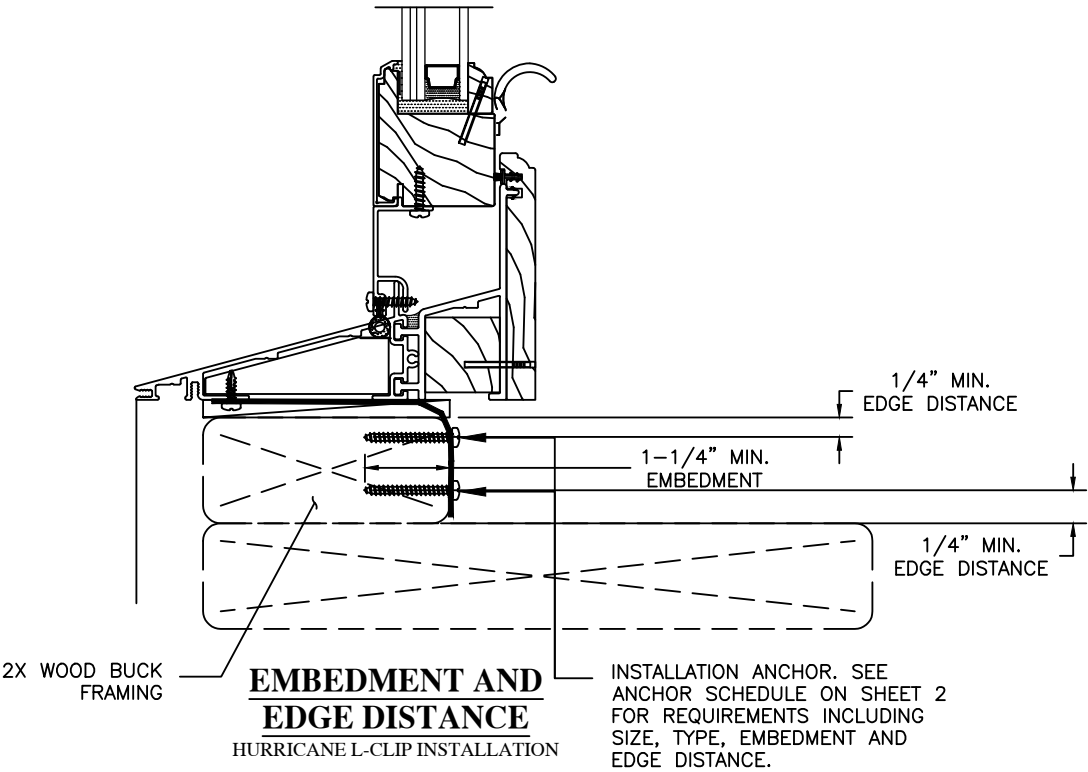
EMBEDMENT AND EDGE DISTANCE ILLUSTRATION



EMBEDMENT AND EDGE DISTANCE  
NAILING FIN INSTALLATION



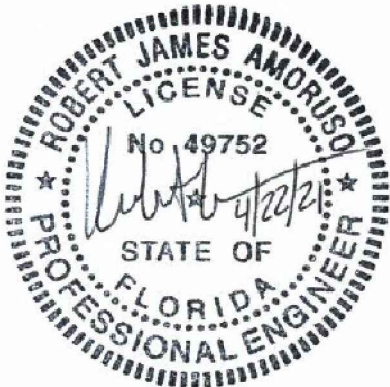
EMBEDMENT AND EDGE DISTANCE  
THRU-FRAME INSTALLATION



|                     |  |  |                       |        |             |
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| PROJECT # 0421-0311 |  |  |                       | RJA    | BY          |
|                     |  |  |                       | 422/21 | DATE        |
|                     |  |  |                       | A      | REV         |
|                     |  |  | UPDATE TO CURRENT FBC |        | DESCRIPTION |

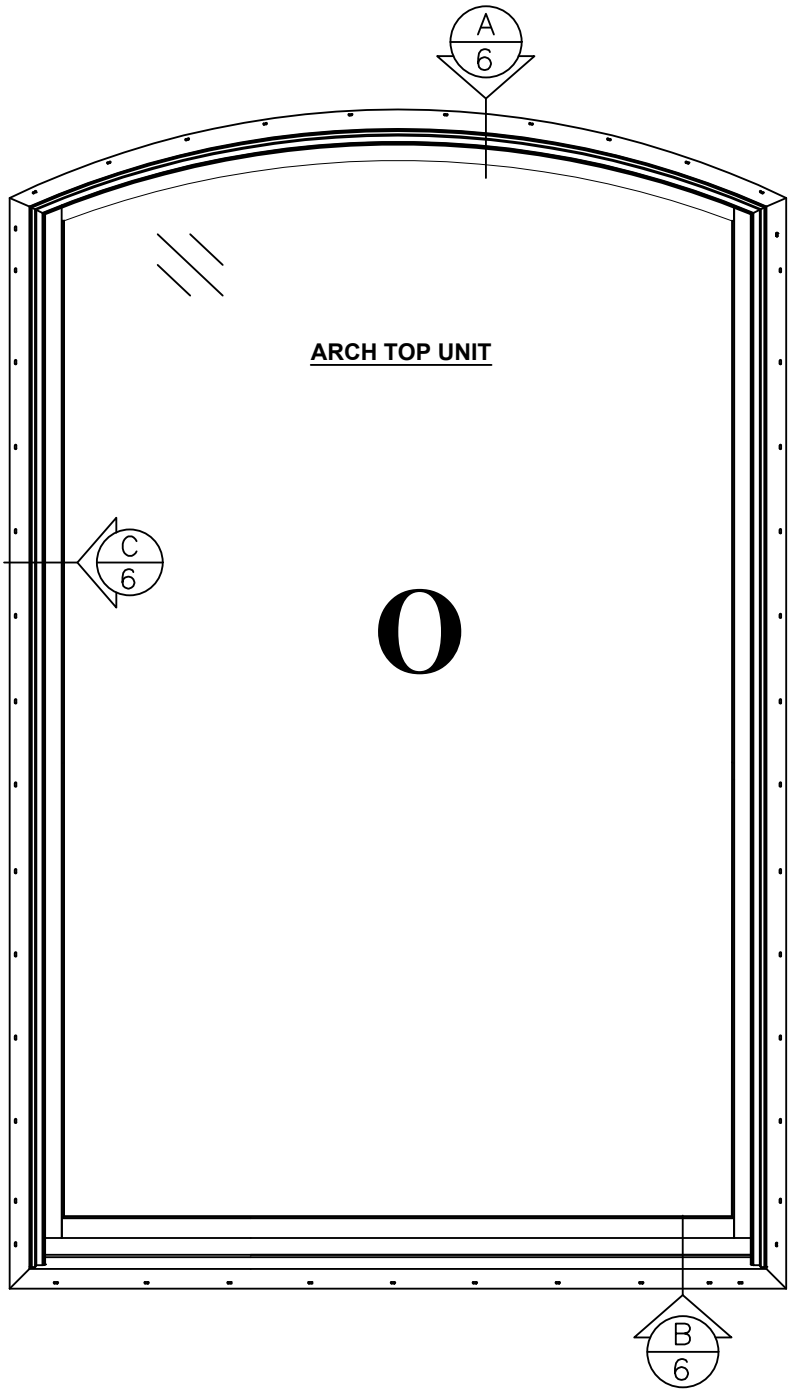
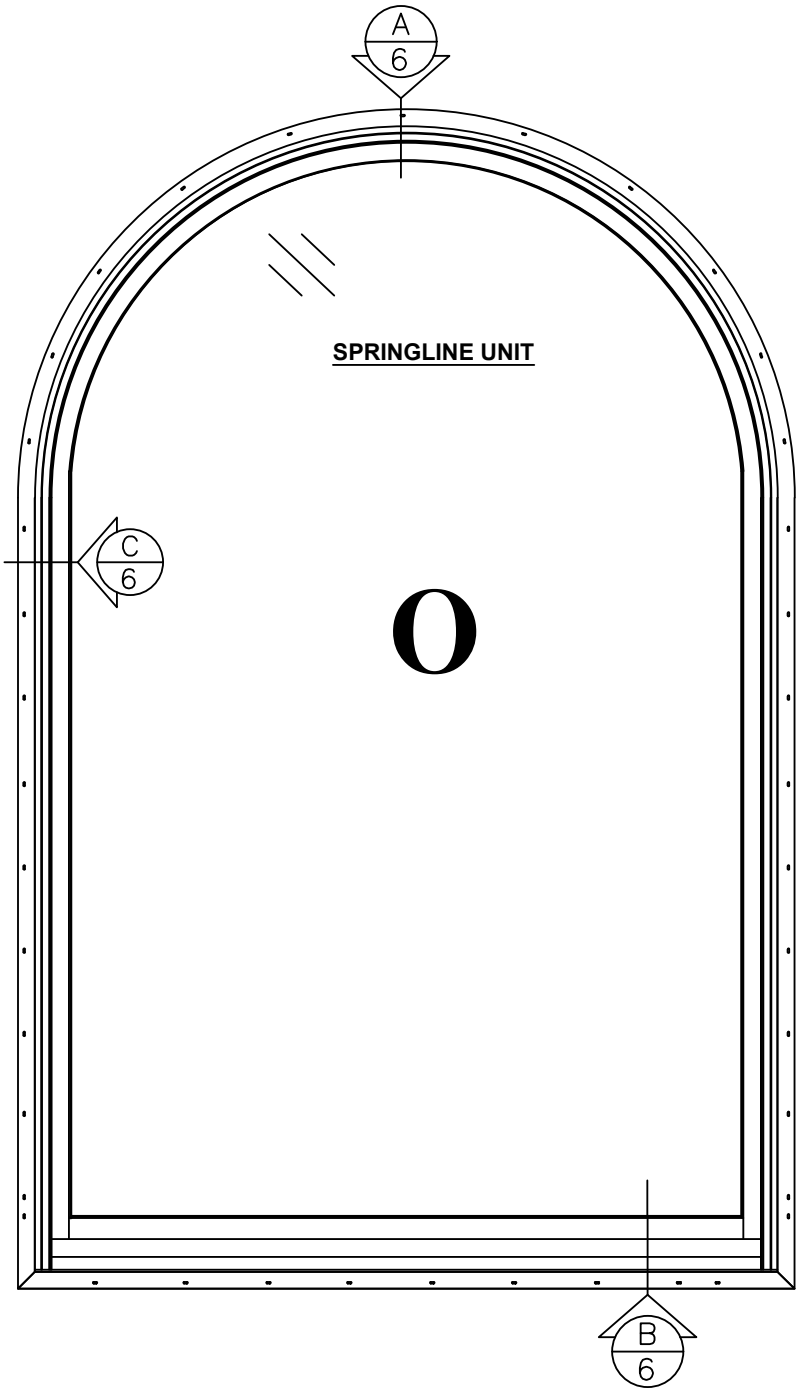
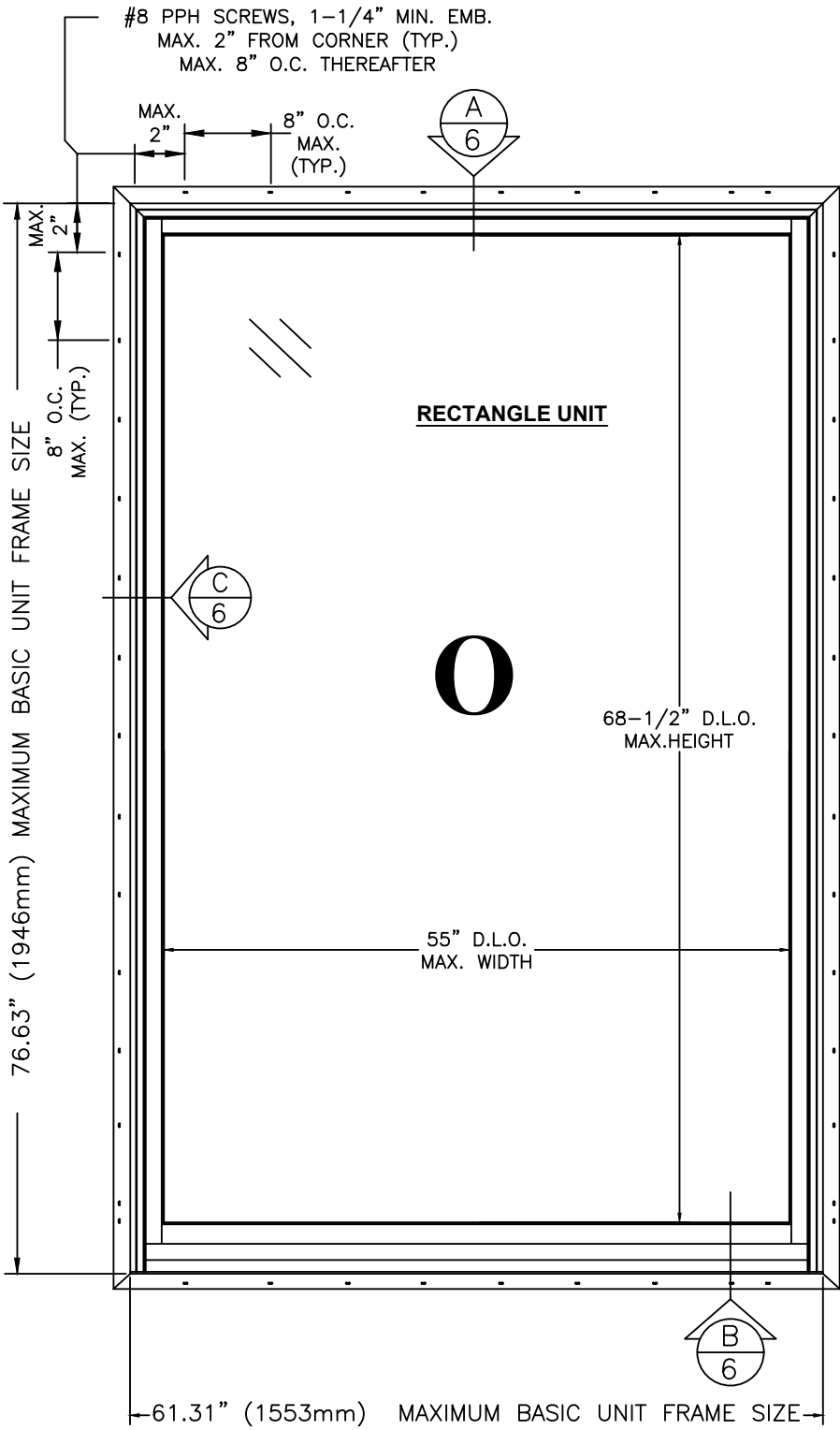
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|--------------------------------------------------------------------------------------|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------------|
| SIERRA PACIFIC WINDOWS<br>575 SOUTH WHELEN AVE.<br>MEDFORD, WISCONSIN 54451          |  |  | TITLE: FEELSAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW<br>ANCHOR SCHEDULE - EMBEDMENT & EDGE DISTANCE                                                          |  |  | DATE: 7/29/14<br>DRAWING NO: HURD0001<br>SHEET: 2 OF 12 |
| DRAWN BY: RJA                                                                        |  |  | SCALE: N.T.S.                                                                                                                                                            |  |  |                                                         |
| REV: A                                                                               |  |  |                                                                                                                                                                          |  |  |                                                         |
| PREPARED BY:                                                                         |  |  |                                                                                                                                                                          |  |  |                                                         |
|  |  |  | PTC PRODUCT DESIGN GROUP, LLC<br>PO BOX 520775<br>LONGWOOD, FLORIDA 32752<br>FBPE C.A. NO. 23535<br>Phone: 321.690.1788<br>Fax: 321.690.1789<br>Email: info@ptc-corp.com |  |  |                                                         |

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ELEVATION  
NAILING FIN FASTENER LOCATION & SPACING  
TYPICAL FOR RECTANGLE, SPRINGLINE & ARCH TOP SHAPES

MAX. WINDOW SIZE  
BASIC UNIT FRAME = 61.31" (1553mm) x 76.63" (1946mm) (TYP.)

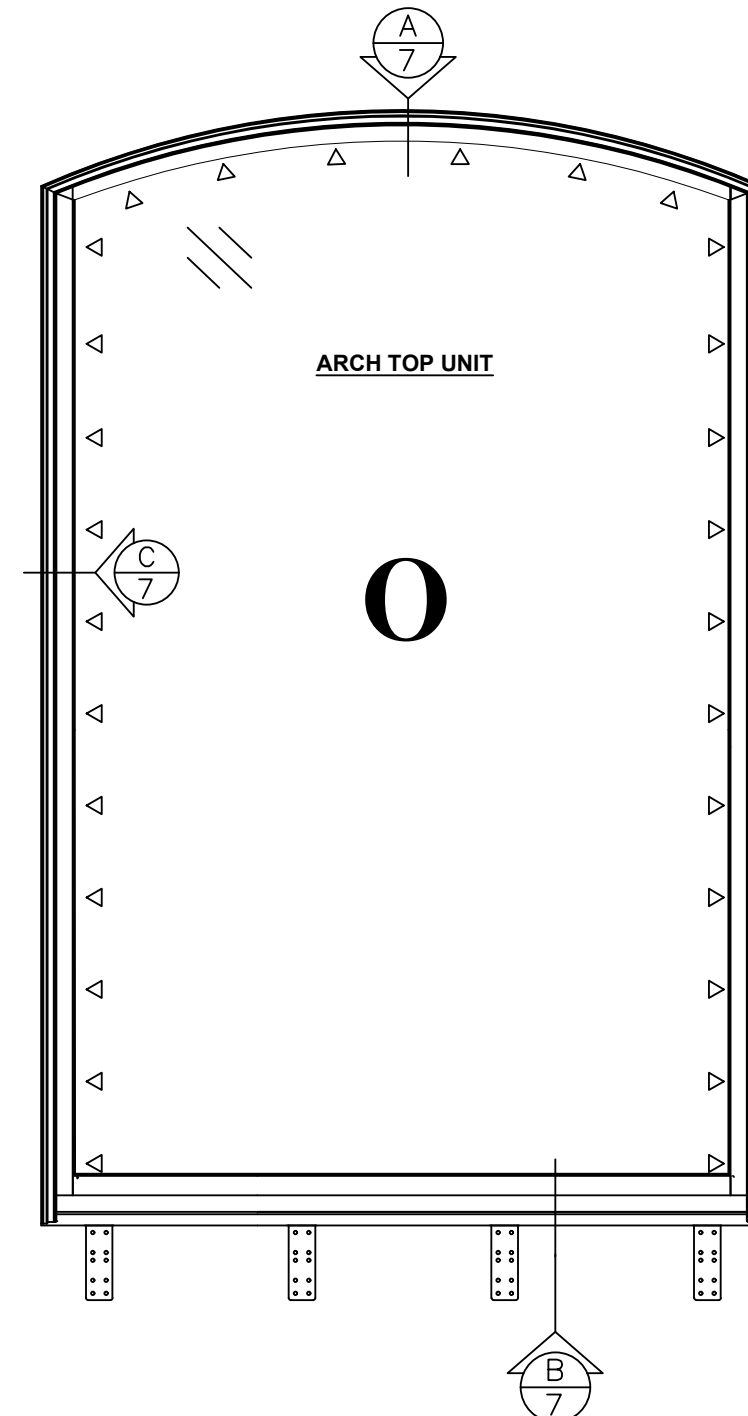
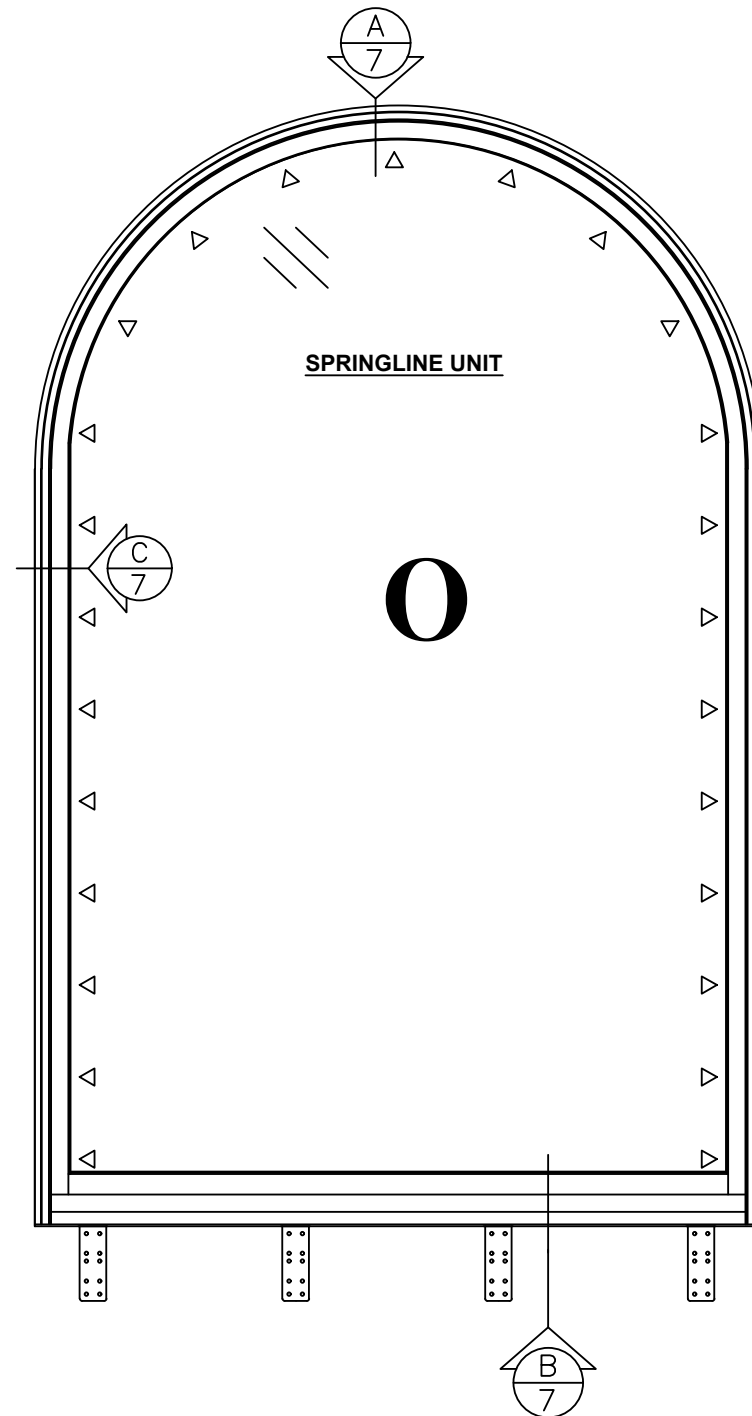
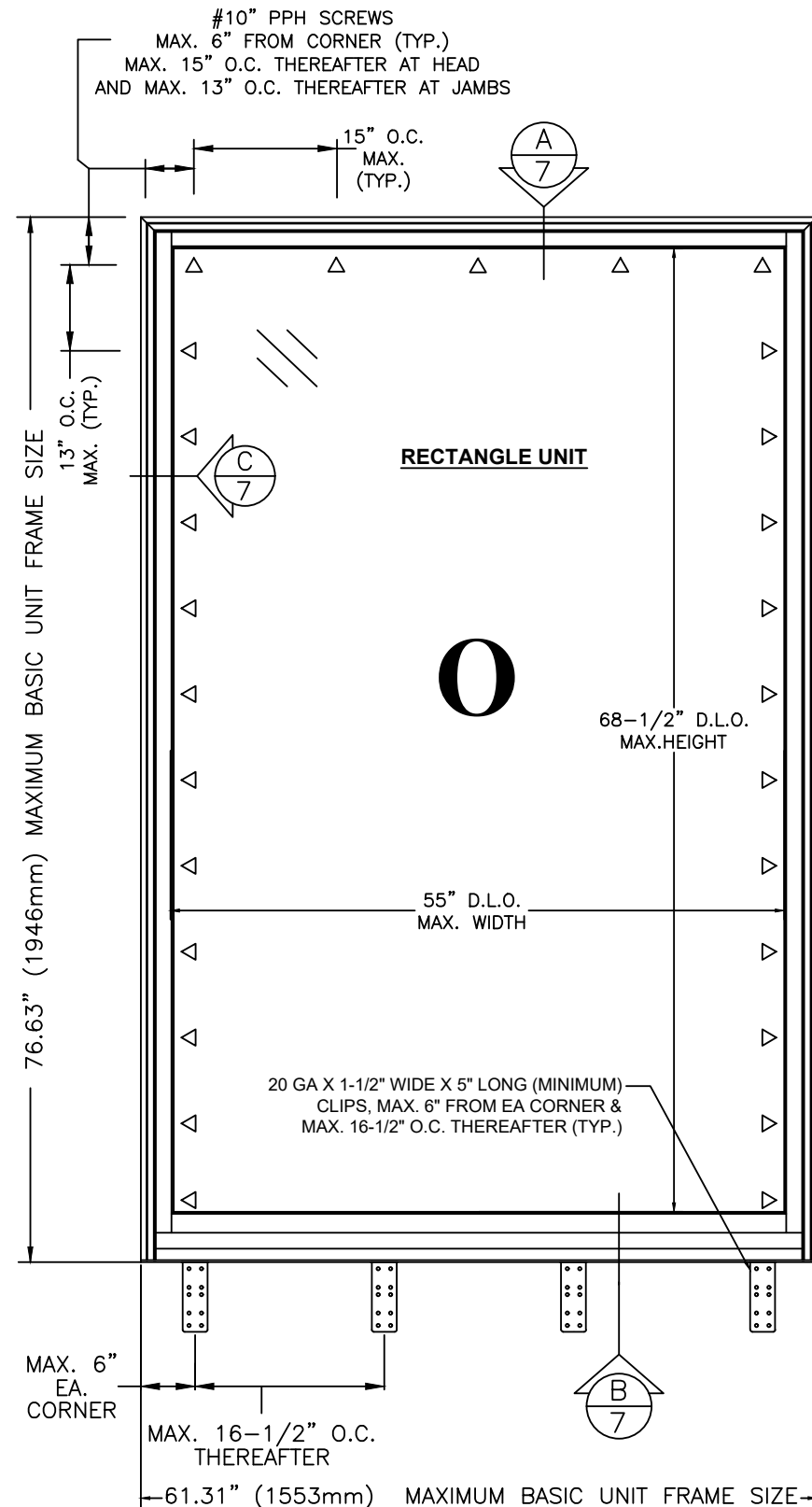


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| PROJECT # 0421-0311                                                         |  |                                                                                                                            |     | RJA                                                                                                           | BY                   |
|                                                                             |  |                                                                                                                            |     | 422/21                                                                                                        | DATE                 |
|                                                                             |  |                                                                                                                            | A   | UPDATE TO CURRENT FBC                                                                                         | DESCRIPTION          |
|                                                                             |  |                                                                                                                            | REV |                                                                                                               |                      |
| SIERRA PACIFIC WINDOWS<br>575 SOUTH WHELEN AVE.<br>MEDFORD, WISCONSIN 54451 |  | TITLE: FEELSAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW<br>NOMINAL 61" x 76" NAILING FIN ELEV. & ANCHORING LAYOUT |     | DRAWN BY: RJA                                                                                                 | DATE: 7/29/14        |
|                                                                             |  |                                                                                                                            |     | SCALE: N.T.S.                                                                                                 | DRAWING NO: HURD0001 |
|                                                                             |  |                                                                                                                            |     | REV: A                                                                                                        | SHEET: 3 OF 12       |
|                                                                             |  |                                                                                                                            |     | PREPARED BY: PTC PRODUCT DESIGN GROUP, LLC<br>PO BOX 520775<br>LONGWOOD, FLORIDA 32752<br>FBPE C.A. NO. 23555 |                      |

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**ELEVATION**  
**THRU-FRAME (HEAD & JAMBS) AND HURRICANE L-CLIP (SILL)**  
**FASTENER LOCATION & SPACING**  
**TYPICAL FOR RECTANGLE, SPRINGLINE & ARCH TOP SHAPES**

**MAX. WINDOW SIZE**  
**BASIC UNIT FRAME = 61.31" (1553mm) x 76.63" (1946mm) (TYP.)**

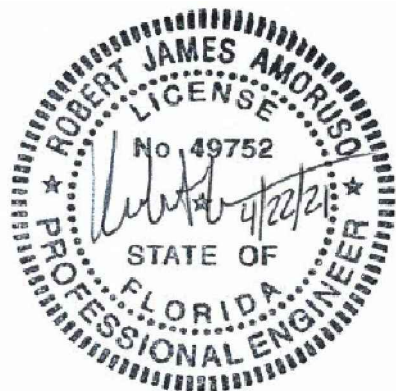


SIERRA PACIFIC WINDOWS  
575 SOUTH WHELEN AVE.  
MEDFORD, WISCONSIN 54451

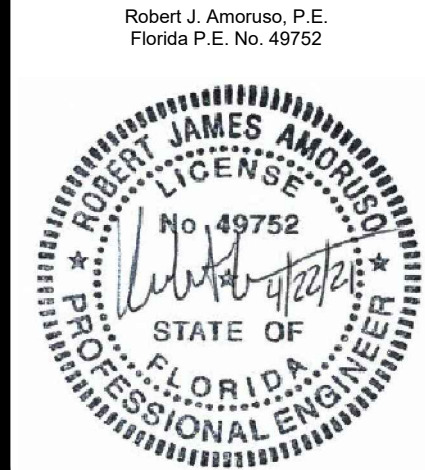
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|-----------------------------------------------------------------------------------------------------------------------------|-----------|
| TITLE: FEELSAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW<br>NOM. 64" x 76" THRU-FRAME/CLIP ELEV. & ANCHORING LAYOUT | DATE:     |
| PREPARED BY:                                                                                                                | DRAWN BY: |

|                                                                                                                                                                                                                                                                  |             |               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|
| PREPARED BY:                                                                                                                                                                                                                                                     | DATE:       | 7/29/14       |
| <br>PPTC PRODUCT DESIGN GROUP, LLC    Phone: 321.690.1788<br>10000 15th Ave.    Fax: 321.690.1789<br>Longwood, FL 32752    Email: info@ptc-corp.com<br>FLORIDA C.A. NO. 25935 | DRAWN BY:   | RJA           |
|                                                                                                                                                                                                                                                                  | SCALE:      | N.T.S.        |
|                                                                                                                                                                                                                                                                  | DRAWING NO: | HURD0001      |
| REV:                                                                                                                                                                                                                                                             | A           | 4 OF 12 SHEET |

Robert J. Amoruso, P.E.  
Florida P.E. No. 49752



**BASIC UNIT FRAME = MAX. WINDOW SIZE  
61.31" (1553mm) x 76.63" (1946mm) (TYP.)**

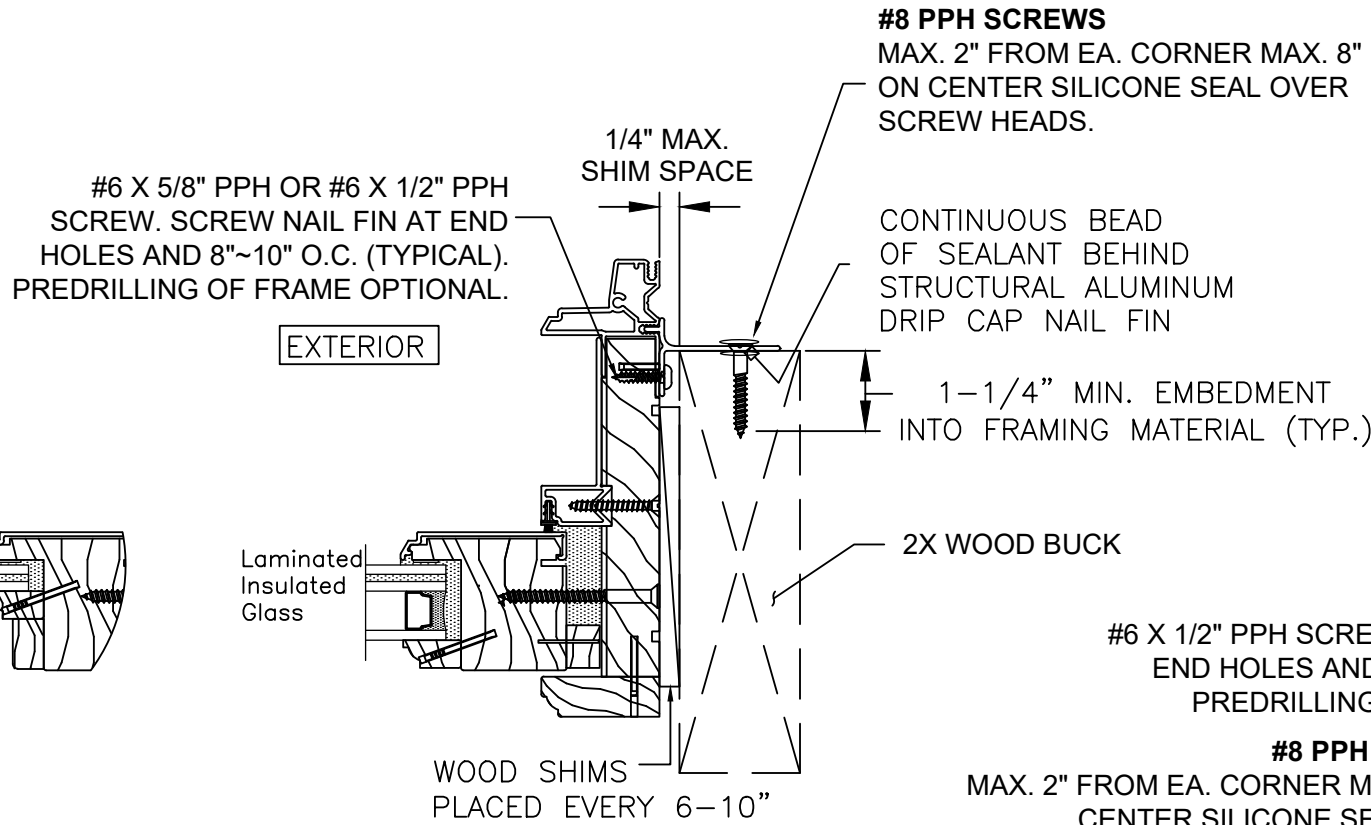
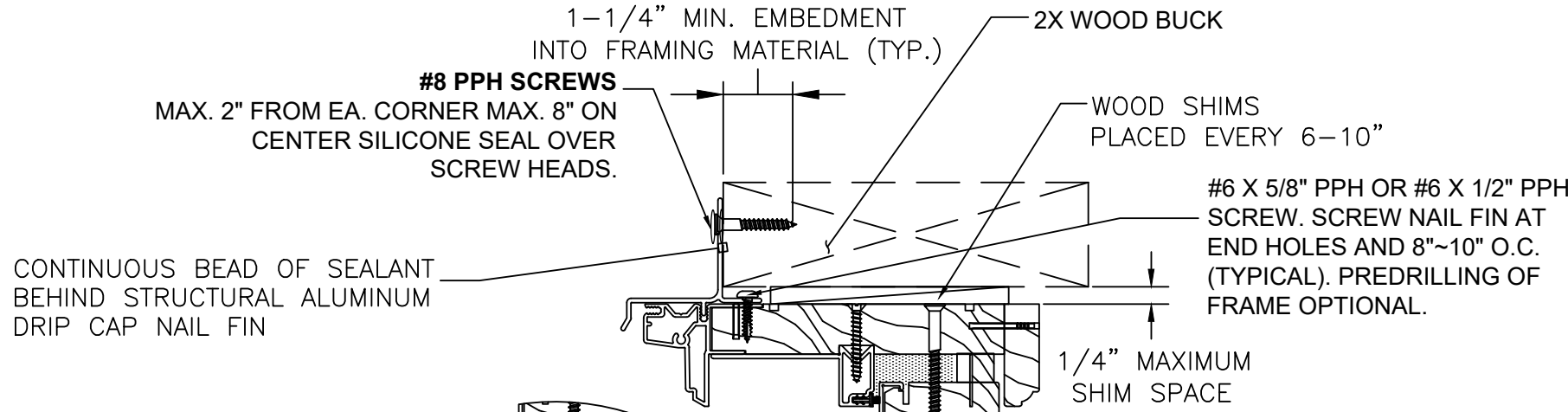


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| SIERRA PACIFIC WINDOWS<br>575 SOUTH WHELEN AVE.<br>MEDFORD, WISCONSIN 54451                                                                                              |  | PROJECT # 0421-0311 |                           |
| TITLE: FEELSAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW<br>NOMINAL 61" x 76" L-CLIP ELEV. & ANCHORING LAYOUT                                                    |  |                     |                           |
| PREPARED BY:                                                                                                                                                             |  | DRAWN BY: RJA       | DATE: 7/29/14             |
|                                                                                      |  | SCALE: N.T.S.       | DRAWING NO: HURD0001      |
| PTC PRODUCT DESIGN GROUP, LLC<br>PO BOX 520775<br>LONGWOOD, FLORIDA 32752<br>FBPE C.A. NO. 25935<br>Phone: 321.690.1788<br>Fax: 321.690.1789<br>Email: info@ptc-corp.com |  | REV: A              | SHEET: 5 OF 12            |
|                                                                                                                                                                          |  | A                   | UPDATE TO CURRENT FBC     |
|                                                                                                                                                                          |  | RJA                 | 422/21                    |
|                                                                                                                                                                          |  |                     |                           |
|                                                                                                                                                                          |  |                     |                           |
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SEE SHEET 2 FOR  
ADDITIONAL  
INSTALLATION ANCHOR  
REQUIREMENTS.

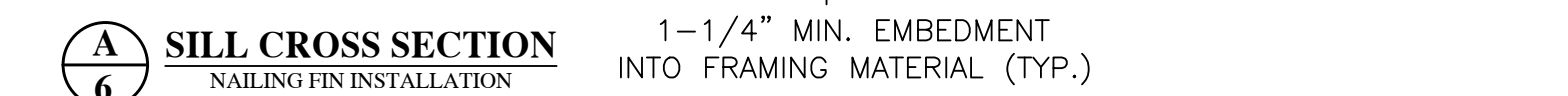
SEE SHEET 3 FOR  
INSTALLATION ANCHOR  
LOCATION AND SPACING.

**B**  
6 **HEAD CROSS SECTION**  
NAILING FIN INSTALLATION



**C**  
6 **JAMB CROSS SECTION**  
NAILING FIN INSTALLATION

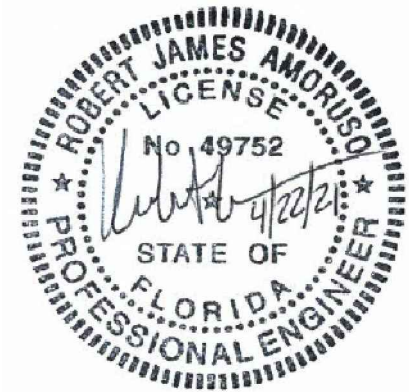
**A**  
6 **SILL CROSS SECTION**  
NAILING FIN INSTALLATION



|                                                                             |                                                                                                               |               |                      |                       |             |
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| PROJECT # 0421-0311                                                         |                                                                                                               |               |                      | RJA                   | BY          |
|                                                                             |                                                                                                               |               |                      | 422/21                | DATE        |
|                                                                             |                                                                                                               |               | A                    | UPDATE TO CURRENT FBC | DESCRIPTION |
| SIERRA PACIFIC WINDOWS<br>575 SOUTH WHELEN AVE.<br>MEDFORD, WISCONSIN 54451 | TITLE: FEELSAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW<br>CROSS SECTIONS - NAILING FIN INSTALLATION | DATE: 7/29/14 | DRAWING NO: HURD0001 | SHEET: 6 OF 12        | REV: A      |
|                                                                             |                                                                                                               | DRAWN BY: RJA | SCALE: N.T.S.        | REV: A                |             |
|                                                                             |                                                                                                               | PREPARED BY:  |                      |                       |             |

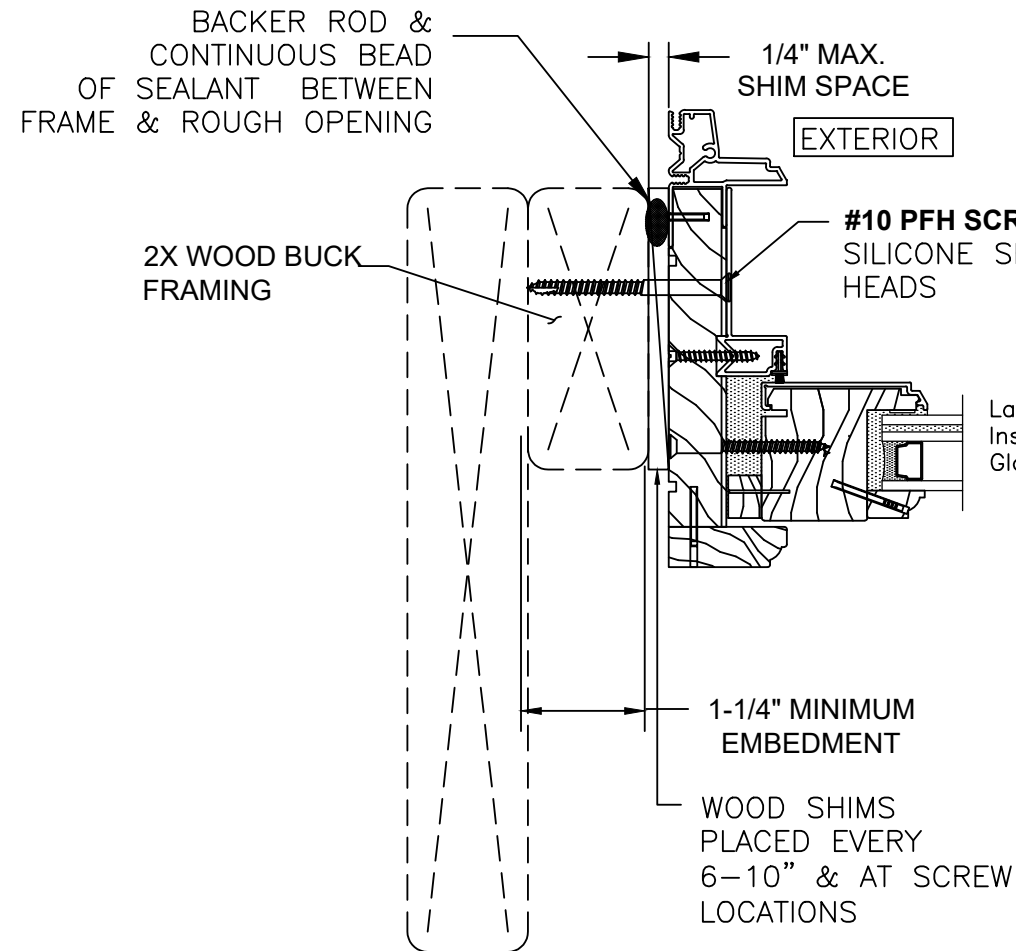
PTC PRODUCT DESIGN GROUP, LLC Phone: 321.690.1788  
LONGWOOD, FLORIDA 32752 Fax: 321.690.1789  
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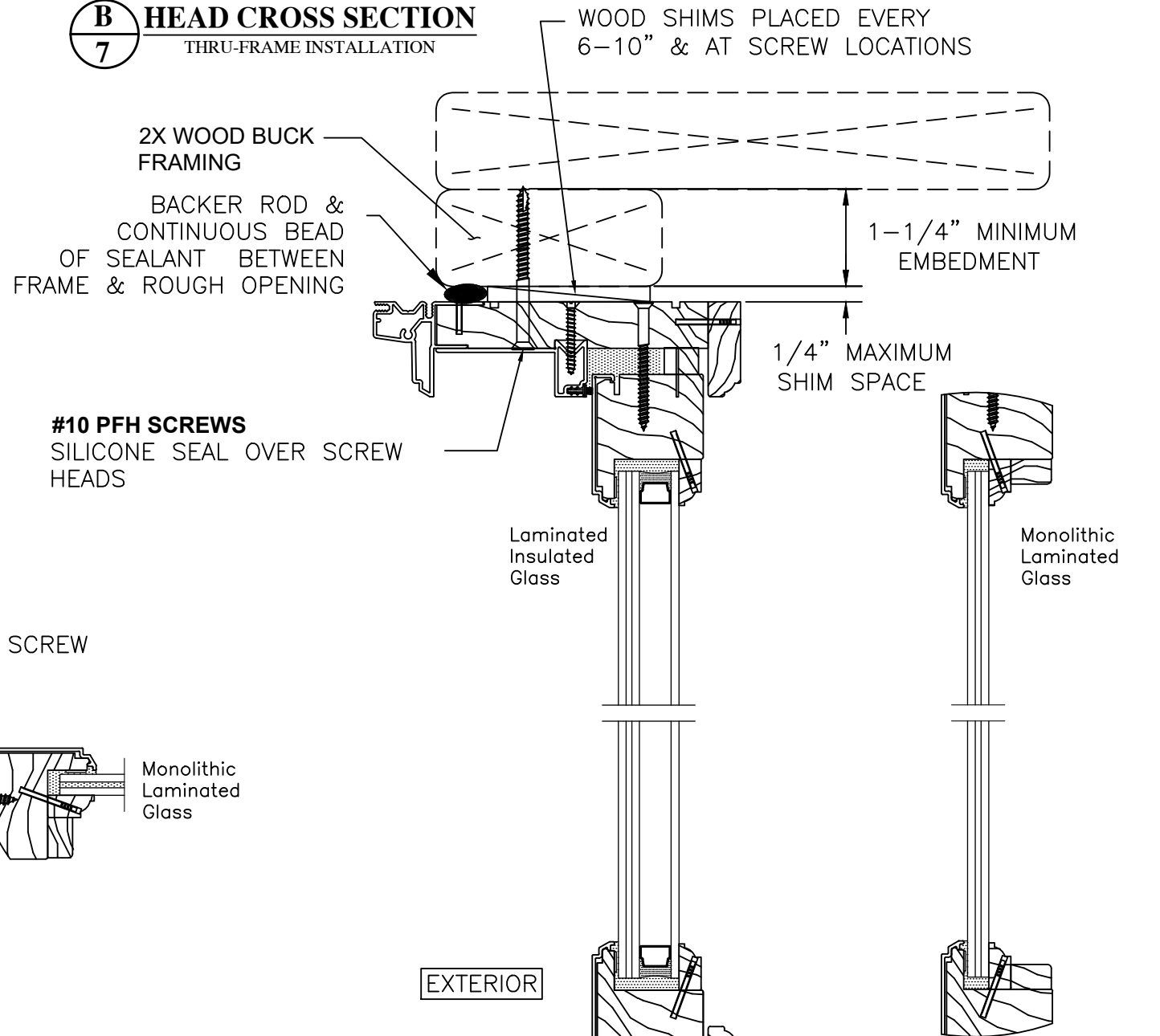
SEE SHEET 2 FOR  
ADDITIONAL  
INSTALLATION ANCHOR  
REQUIREMENTS.

SEE SHEET 4 FOR  
INSTALLATION ANCHOR  
LOCATION AND SPACING.



**C**  
**7** **JAMB CROSS SECTION**  
THRU-FRAME INSTALLATION

**B**  
**7** **HEAD CROSS SECTION**  
THRU-FRAME INSTALLATION



(3) #6 x 1/2" TEK SCREWS  
THROUGH L-CLIP INTO WINDOW UNIT.  
INSTALLED PER FRAME ANCHOR  
REQUIREMENT TABLE ON SHEET 2.

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

2X WOOD  
BUCK  
FRAMING

**A**  
**7** **SILL CROSS SECTION**  
HURRICANE L-CLIP INSTALLATION

WOOD SHIMS  
PLACED EVERY 6-10" &  
AT SCREW LOCATIONS

1/4" MAX.  
SHIM SPACE  
1-1/4" MIN.  
EMBEDMENT

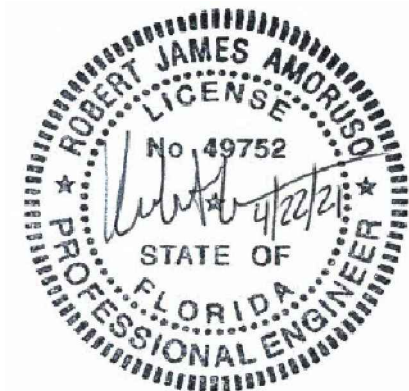
(2) #8 PPH SCREWS THROUGH  
L-CLIP INTO WOOD BUCK  
FRAMING.

SIERRA PACIFIC WINDOWS  
575 SOUTH WHELEN AVE.  
MEDFORD, WISCONSIN 54451

TITLE: FEELSAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW  
CROSS SECT. - THRU-FRAME & SILL HURRICANE L-CLIP INSTALL.

PREPARED BY: RJA  
DATE: 7/29/14  
SCALE: N.T.S.  
DRAWING NO: HURD0001  
SHEET: 7 OF 12  
REV: A

Robert J. Amoruso, P.E.  
Florida P.E. No. 49752



PROJECT # 0421-0311

|             |                       |      |        |
|-------------|-----------------------|------|--------|
| BY          | RJA                   | DATE | 422/21 |
| DESCRIPTION | UPDATE TO CURRENT FBC | REV  | A      |

SEE SHEET 2 FOR  
ADDITIONAL  
INSTALLATION ANCHOR  
REQUIREMENTS.

SEE SHEET 5 FOR  
INSTALLATION ANCHOR  
LOCATION AND SPACING.

(1) #6 x 1/2" TEK SCREWS  
THROUGH L-CLIP INTO WINDOW  
UNIT.

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

2X WOOD  
BUCK  
FRAMING

(2) #8 PPH SCREWS  
THROUGH L-CLIP INTO  
WOOD BUCK  
FRAMING.

1-1/4" MIN. EMBEDMENT

EXTERIOR

(2) #7 X 1/2" PFH SCREWS THROUGH L-CLIP  
INTO WINDOW UNIT.

Laminated  
Insulated  
Glass

WOOD SHIMS PLACED EVERY  
6-10" & AT SCREW LOCATIONS

1/4" MAX.  
SHIM SPACE

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

(3) #6 x 1/2" TEK SCREWS  
THROUGH L-CLIP INTO WINDOW UNIT.

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

2X WOOD BUCK FRAMING

(2) #8 PPH SCREWS THROUGH  
L-CLIP INTO WOOD BUCK  
FRAMING. INSTALLED PER  
FRAME ANCHOR REQUIREMENT  
TABLE ON SHEET 2.

1-1/4" MIN.  
EMBEDMENT

1/4" MAX.  
SHIM SPACE

Laminated  
Insulated  
Glass

Monolithic  
Laminated  
Glass

EXTERIOR

WOOD SHIMS  
PLACED EVERY 6-10" &  
AT SCREW LOCATIONS

1/4" MAX.  
SHIM SPACE  
1-1/4" MIN.  
EMBEDMENT

(2) #8 PPH SCREWS THROUGH L-CLIP INTO WOOD  
BUCK FRAMING.

**B**  
**8** **HEAD CROSS SECTION**  
HURRICANE L-CLIP INSTALLATION

2x WOOD BUCK  
FRAMING

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

WOOD SHIMS PLACED EVERY  
6-10" & AT SCREW LOCATIONS

(1) #6 x 1/2" TEK SCREWS  
THROUGH L-CLIP INTO WINDOW UNIT.  
INSTALLED PER FRAME ANCHOR  
REQUIREMENT TABLE ON SHEET 2.

(2) #7 X 1/2" PFH SCREWS THROUGH L-CLIP  
INTO WINDOW UNIT.

**C**  
**8** **JAMB CROSS SECTION**  
HURRICANE L-CLIP INSTALLATION

**A**  
**8** **SILL CROSS SECTION**  
HURRICANE L-CLIP INSTALLATION

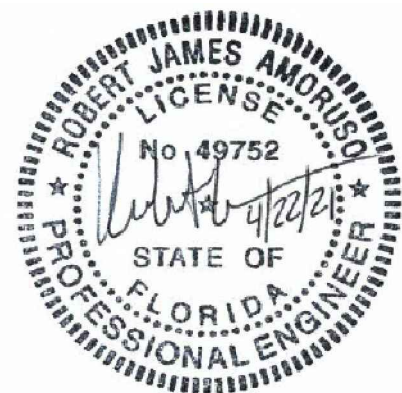
PROJECT # 0421-0311

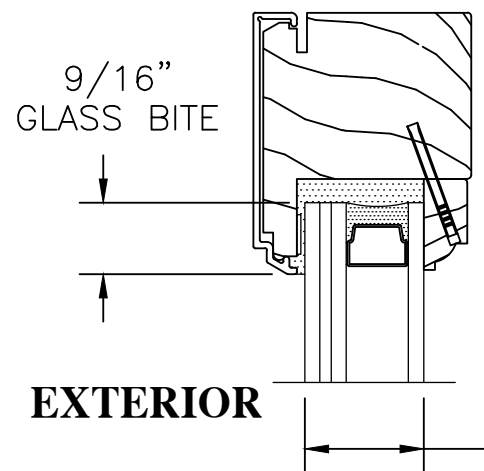
SIERRA PACIFIC WINDOWS  
575 SOUTH WHELEN AVE.  
MEDFORD, WISCONSIN 54451

TITLE: FEELSAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW  
CROSS SECTIONS - HURRICANE L-CLIP INSTALLATION

PREPARED BY: RJA  
SCALE: N.T.S.  
REV: A  
DATE: 7/29/14  
DRAWING NO: HURD0001  
SHEET: 8 OF 12

Robert J. Amoruso, P.E.  
Florida P.E. No. 49752





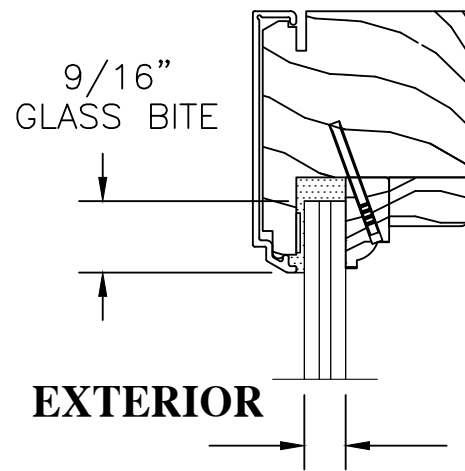
EXTERIOR

Laminated  
Insulated  
Glass

1.023" O.A. THICKNESS IGU:  
6MM ANNEALED X  
0.438 ALUM. BOX SPACER  
BAR X 8.6MM LAMI (3MM  
ANNEALED, 0.075"  
SAFLEX CP OR OLDCASTLE  
STORMGLASS INTERLAYER,  
3MM ANNEALED)

INTERIOR

FIXED LITE AT HEAD  
SHOWN. SILL &  
JAMBS SAME.



EXTERIOR

Monolithic  
Laminated  
Glass

9/16" O.A. THICKNESS:  
6mm HEAT STRENGTHENED x  
0.100" SAFELEX HP INTERLAYER x  
6mm HEAT STRENGTHENED

INTERIOR

FIXED LITE AT HEAD  
SHOWN. SILL &  
JAMBS SAME.

## GLAZING DETAIL A

## GLAZING DETAIL B

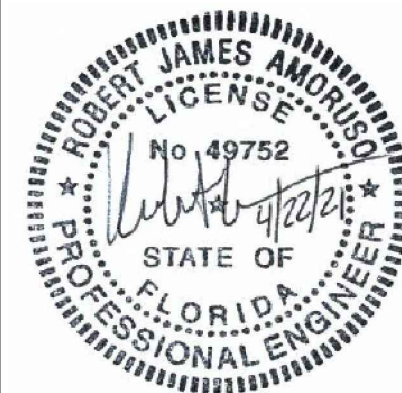
### NOTES:

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. SEE NOTE 1 ABOVE.

|                     |  |  |     |                       |             |
|---------------------|--|--|-----|-----------------------|-------------|
| PROJECT # 0421-0311 |  |  |     | RJA                   | BY          |
|                     |  |  |     | 422/21                | DATE        |
|                     |  |  | A   | UPDATE TO CURRENT FBC | DESCRIPTION |
|                     |  |  | REV |                       |             |

|                                                                                                                                                   |                           |        |             |                |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------|-------------|----------------|
| SIERRA PACIFIC WINDOWS<br>575 SOUTH WHELEN AVE.<br>MEDFORD, WISCONSIN 54451                                                                       | GLAZING DETAILS AND NOTES |        |             |                |
|                                                                                                                                                   | DRAWN BY:                 | RJA    | DATE:       | 7/29/14        |
|                                                                                                                                                   | SCALE:                    | N.T.S. | DRAWING NO: | HURD0001       |
| PREPARED BY:                                                                                                                                      |                           | REV:   | A           | SHEET: 9 OF 12 |
| PTC PRODUCT DESIGN GROUP, LLC<br>PO BOX 520775<br>LONGWOOD, FLORIDA 32752<br>PHONE: 321.690.1788<br>FAX: 321.690.1789<br>EMAIL: info@ptc-corp.com |                           |        |             |                |

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Florida P.E. No. 49752

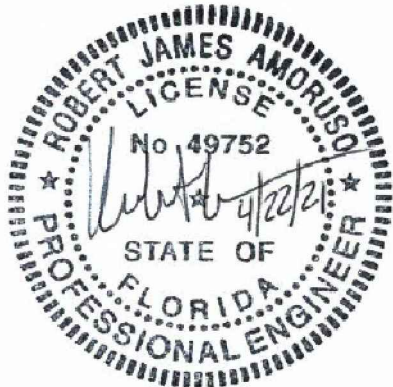


| FeelSafe Monument Picture Window BOM |                                                        |     |           |
|--------------------------------------|--------------------------------------------------------|-----|-----------|
| DWG #                                | DESCRIPTION                                            | QTY | SUPPLIER  |
| 100 - CROSS-SECTION DETAILS          |                                                        |     |           |
| KV 130 012                           | Monolithic Laminated Glass Cross-Section View          |     |           |
| KV 130 013                           | Insulated Laminated Glass Cross-Section View           |     |           |
|                                      |                                                        |     |           |
|                                      |                                                        |     |           |
| 300 - WOOD FRAME PARTS               |                                                        |     |           |
| KV 300 005                           | Frame Head/Jamb Profile                                | 3   | HURD      |
| KV 300 015                           | Frame Head/Jamb Liner                                  | 3   | HURD      |
| KV 300 020                           | Frame Sill Liner                                       | 1   | HURD      |
| KV 300 025                           | Frame Sill Support Block                               | 1   | HURD      |
| 300 110                              | Stationary Spacer Block                                | 8   | HURD      |
|                                      |                                                        |     |           |
|                                      |                                                        |     |           |
| 400 - ALUMINUM FRAME PARTS           |                                                        |     |           |
| CEDSCT400 005                        | Frame Head/Jamb Frame Cladding                         | 3   | CRYSTAL   |
| KV 400 005                           | Frame Sill Cladding                                    | 1   | CRYSTAL   |
| KV 400 010                           | Frame Track Cladding                                   | 3   | CRYSTAL   |
|                                      |                                                        |     |           |
|                                      |                                                        |     |           |
| 500 - WOOD SASH PARTS                |                                                        |     |           |
| KV 500 005                           | Sash Rail & Stile Wood Profile                         | 4   | HURD      |
| FSCE 510 010                         | Monolithic Laminated Glazing Bead -- Part #216275      | 4   | HURD      |
| FSCE 510 010                         | Insulated Laminated Glass Glazing Bead -- Part #212765 | 4   | HURD      |
|                                      |                                                        |     |           |
| 600 - ALUMINUM SASH PARTS            |                                                        |     |           |
| KV 600 005                           | Stile & Top Rail Cladding Profile                      | 3   | CRYSTAL   |
| KV 600 030                           | Bottom Rail Cladding Profile                           | 1   | CRYSTAL   |
|                                      |                                                        |     |           |
|                                      |                                                        |     |           |
| 700 - PURCHASED LINEALS              |                                                        |     |           |
| KV 700 005                           | Frame Sill Vinyl Profile                               | 1   | Climatech |
| KV 700 015                           | Frame Pile Weatherstrip Profile                        | 4   | UltraFab  |
| KV 700 050                           | Stationary Sash Bottom Rail Weatherstrip Profile       | 1   | Amesbury  |
|                                      |                                                        |     |           |
|                                      |                                                        |     |           |
| 800 - PURCHASED HARDWARE             |                                                        |     |           |
| CEDSCT800 005                        | Corner Key                                             | 2   | AMS       |
| CEDSCT800 010                        | Corner Gasket                                          | 2   | Climatech |
|                                      |                                                        |     |           |
|                                      |                                                        |     |           |

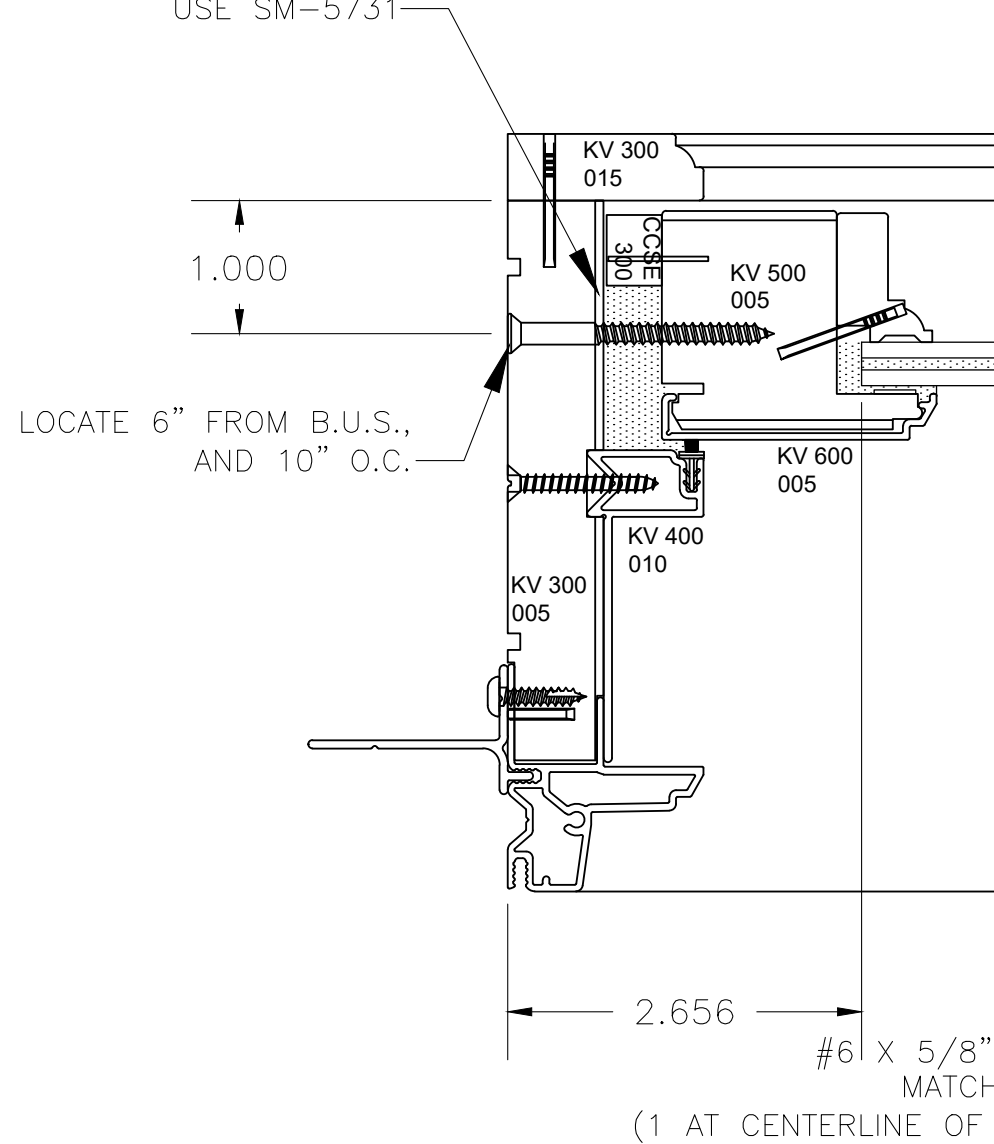
SEE SHEETS 11  
AND 12 FOR  
COMPONENT  
IDENTIFICATION  
AND SECTION  
DETAILS

|                                                                             |  |                               |                       |                      |             |
|-----------------------------------------------------------------------------|--|-------------------------------|-----------------------|----------------------|-------------|
| PROJECT # 0421-0311                                                         |  |                               |                       | RJA                  | BY          |
|                                                                             |  |                               |                       | 422/21               | DATE        |
|                                                                             |  |                               | UPDATE TO CURRENT FBC |                      | DESCRIPTION |
|                                                                             |  |                               | A                     | REV                  |             |
| SIERRA PACIFIC WINDOWS<br>575 SOUTH WHELEN AVE.<br>MEDFORD, WISCONSIN 54451 |  | DATE: 7/29/14                 |                       | DRAWING NO: HURD0001 |             |
| TITLE: FEELS SAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW          |  | DRAWN BY: RJA                 |                       | SCALE: N.T.S.        |             |
| BILL OF MATERIALS                                                           |  | PREPARED BY:                  |                       | REV: A               |             |
|                                                                             |  | DATE: 7/29/14                 |                       | SHEET: 10 OF 12      |             |
|                                                                             |  | PTC PRODUCT DESIGN GROUP, LLC |                       | Phone: 321.690.1788  |             |
|                                                                             |  | LONGWOOD, FLORIDA 32752       |                       | Fax: 321.690.1789    |             |
|                                                                             |  | Email: info@ptc-corp.com      |                       | FBPE CA No. 23535    |             |

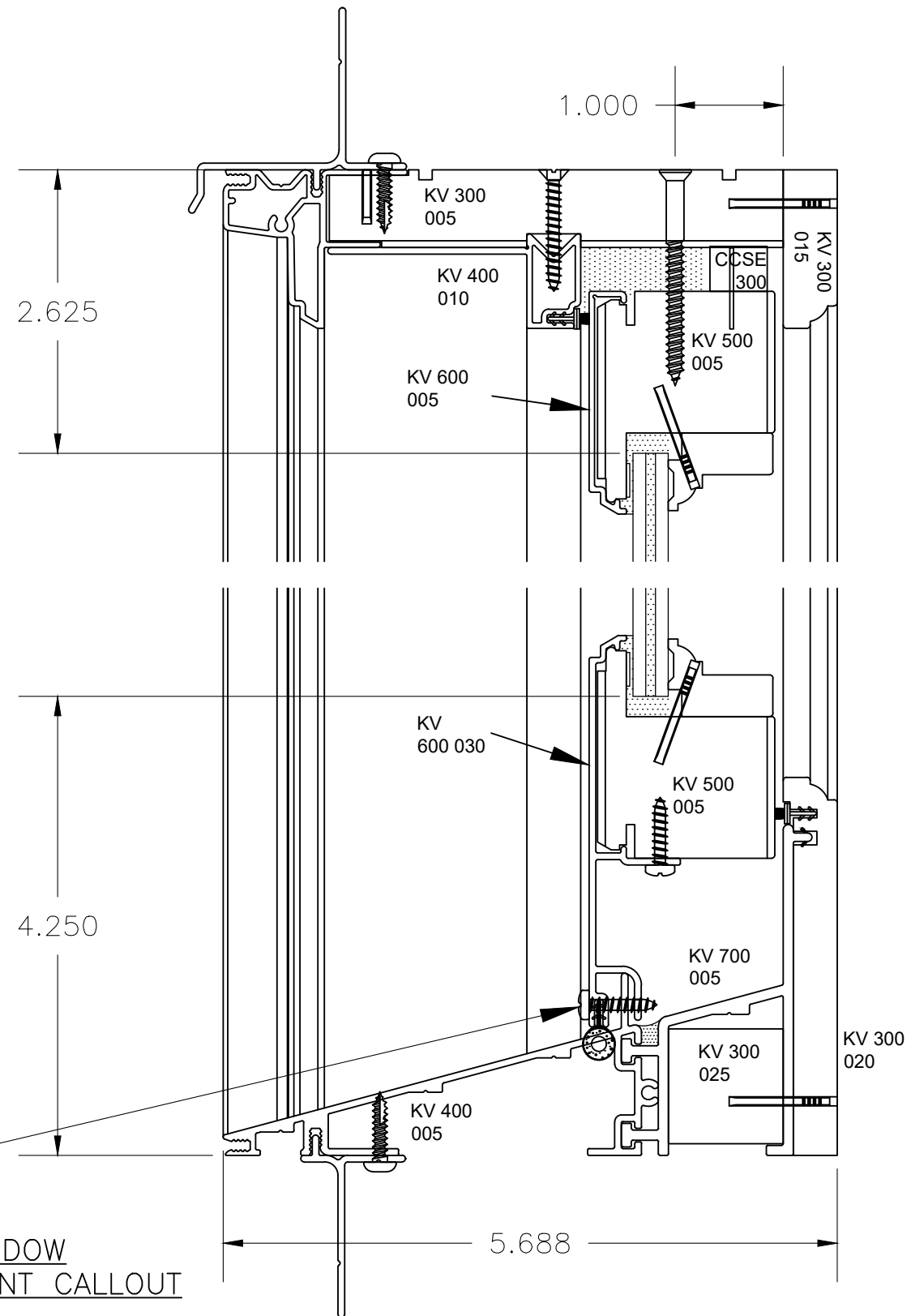
Robert J. Amoruso, P.E.  
Florida P.E. No. 49752



BACKFILL 6" @ EACH TOP CORNER  
AND UP 10" FROM SILL LINER AT EACH JAMB  
USE SM-5731



FEELSAFE PICTURE WINDOW  
SECTION DETAILS – COMPONENT CALLOUT  
LAMINATED UNIT  
(SEE SHEET 10 FOR BOM)



PROJECT # 0421-0311

SIERRA PACIFIC WINDOWS  
575 SOUTH WHELEN AVE.  
MEDFORD, WISCONSIN 54451

TITLE: FEELSAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW  
SECTION DETAILS - COMPONENT CALLOUT LAMINATED UNIT

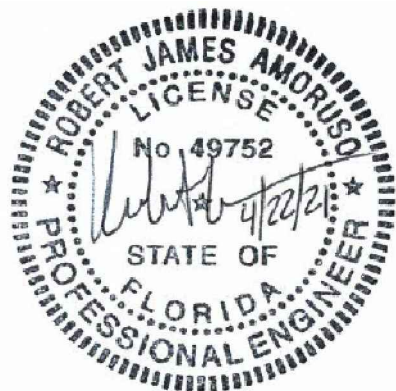
PREPARED BY: RJA  
SCALE: N.T.S.  
REV: A

DATE: 7/29/14  
DRAWING NO: HURD0001  
SHEET: 11 OF 12

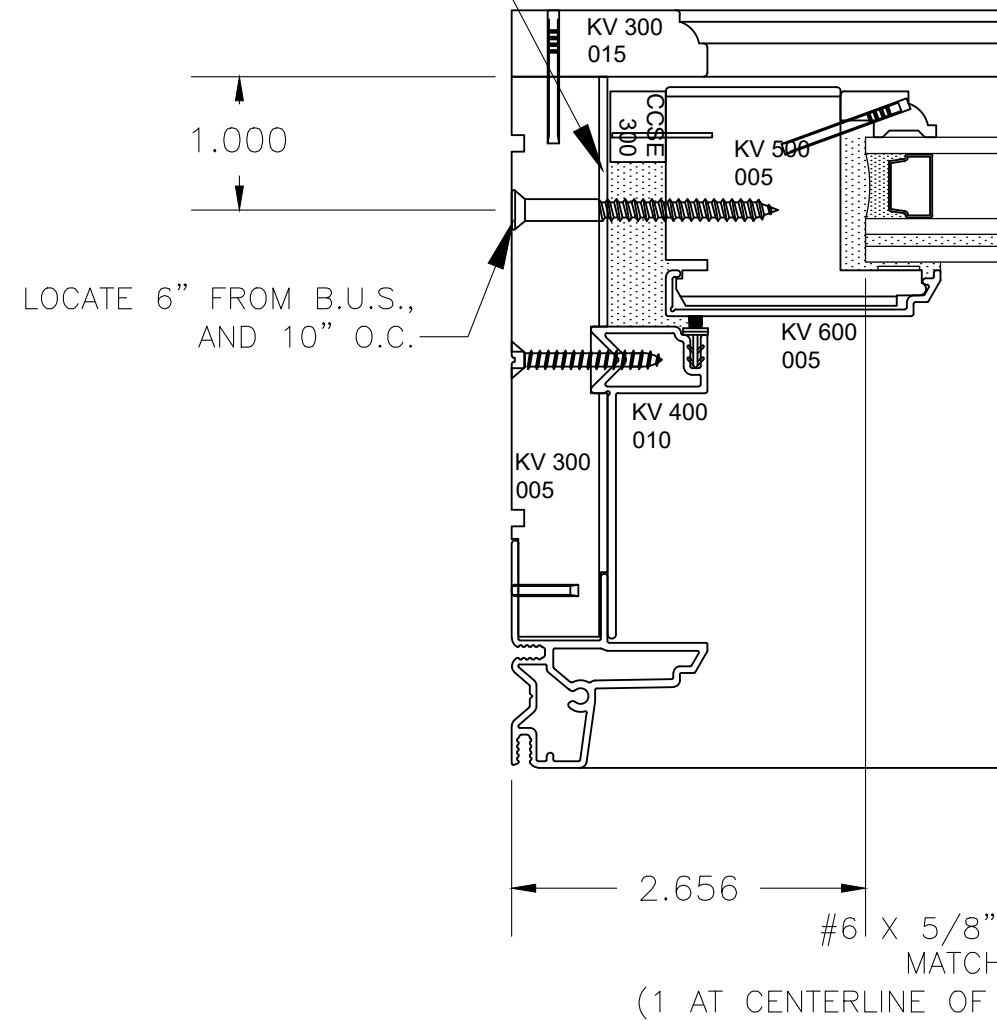
UPDATE TO CURRENT FBC  
A  
422/21  
RJA  
BY

DESCRIPTION  
REV

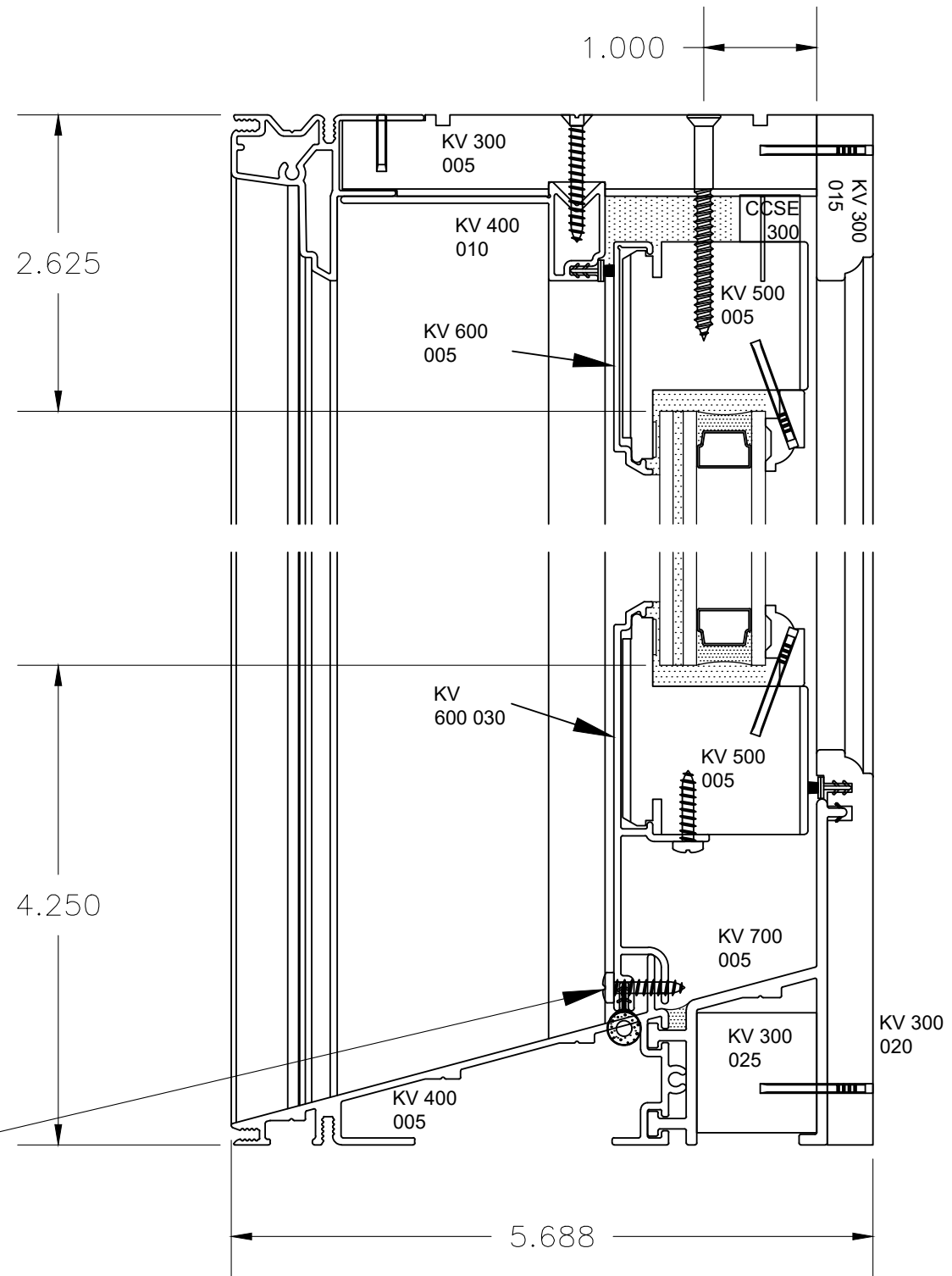
Robert J. Amoruso, P.E.  
Florida P.E. No. 49752



BACKFILL 6" @ EACH TOP CORNER  
AND UP 10" FROM SILL LINER AT EACH JAMB  
USE SM-5731



FEELSAFE PICTURE WINDOW  
SECTION DETAILS – COMPONENT CALLOUT  
LAMINATED INSULATING UNIT  
(SEE SHEET 10 FOR BOM)



PROJECT # 0421-0311

SIERRA PACIFIC WINDOWS  
575 SOUTH WHELEN AVE.  
MEDFORD, WISCONSIN 54451

TITLE: FEELSAFE MONUMENT ALUMINUM CLAD WOOD FIXED PICTURE WINDOW  
SECTION DETAILS - COMPONENT CALLOUT LAMI INSUL. UNIT

PREPARED BY: RJA  
DATE: 7/29/14  
DRAWING NO: HURD0001  
SCALE: N.T.S.  
REV: A  
SHEET: 12 OF 12

Robert J. Amoruso, P.E.  
Florida P.E. No. 49752

