



MIAMI-DADE COUNTY, FLORIDA  
 METRO-DADE FLAGLER BUILDING  
 140 WEST FLAGLER STREET, SUITE 1603  
 MIAMI, FLORIDA 33130-1563  
 (305) 375-2901 FAX (305) 372-6339  
[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
 PRODUCT CONTROL DIVISION  
 NOTICE OF ACCEPTANCE (NOA)**

**Jeld-Wen, Inc (OR)  
 3737 Lakeport Blvd.  
 Klamath Falls, OR 97601**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "Custom Collection Direct Set Picture" Aluminum Clad Wood Fixed Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **07-JWN-0006**, titled "Custom Collection Direct Set Picture Window Large Missile Impact Resistant", sheets 1 through 8 of 8, dated 11/06/07 with revision dated 04/07/08, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



**NOA No. 07-1218.05  
 Expiration Date: September 18, 2013  
 Approval Date: September 18, 2008  
 Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **07-JWN-0006**, titled "Custom Collection Direct Set Picture Window Large Missile Impact Resistant", sheets 1 through 8 of 8, dated 11/06/07 with revision dated 04/07/08, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of a custom collection direct set picture window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-110-10769-1**, dated 08/06/07, signed and sealed by Harold E. Rupp, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of a custom collection direct set picture window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-110-10769-1**, revised, dated 11/13/07, signed and sealed by Harold E. Rupp, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Engineering Express, dated 12/13/07, with revision dated 04/17/08, signed and sealed by Frank L. Bennardo, P.E.  
**Complies with ASTM E1300- 02**

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

  
Manuel Perez, P. E.  
Product Control Examiner  
NOA No. 07-1218.05  
Expiration Date: September 18, 2013  
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**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours & Co., Inc. for "**DuPont Sentry Glass Plus**" dated January 03, 2008, expiring on January 14, 2012.

**F. STATEMENTS**

1. Statement letter of conformance, dated December 13, 2007, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter of no financial interest, dated December 13, 2007, signed and sealed by Frank L. Bennardo, P.E.
3. Statement letter of independence, dated December 13, 2007, signed and sealed by Frank L. Bennardo, P.E.
4. Laboratory compliance statement for Test Report no. **NCTL-110-10769-1**, issued by National Certified Testing Laboratories, dated August 08, 2007, signed and sealed by Harold E. Rupp, P.E.
5. Addendum letter of Acrylic Sealant for Test Report no. **NCTL-110-10769-1**, issued by National Certified Testing Laboratories, dated June 25, 2008, signed and sealed by Gerard J. Ferrara, P.E.
6. Addendum letter of the Silicone Sealant for Test Report no. **NCTL-110-10769-1**, issued by National Certified Testing Laboratories, dated July 01, 2008, signed and sealed by Harold E. Rupp, P.E.

**G. OTHERS**

1. None

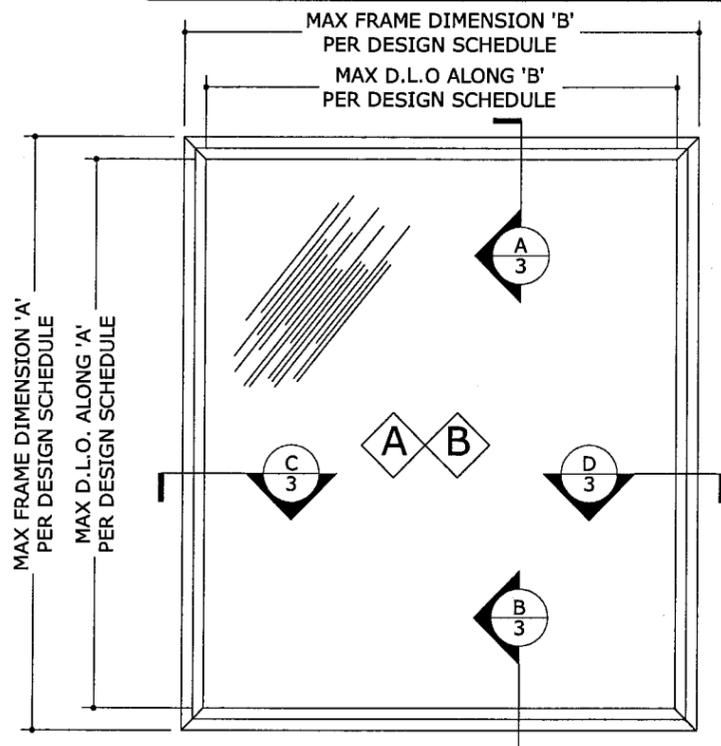
  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 07-1218.05  
Expiration Date: September 18, 2013  
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# CUSTOM COLLECTION DIRECT SET PICTURE WINDOW

LARGE MISSILE IMPACT RESISTANT

FRANK L. BENNARDO, P.E.  
# PE0046549

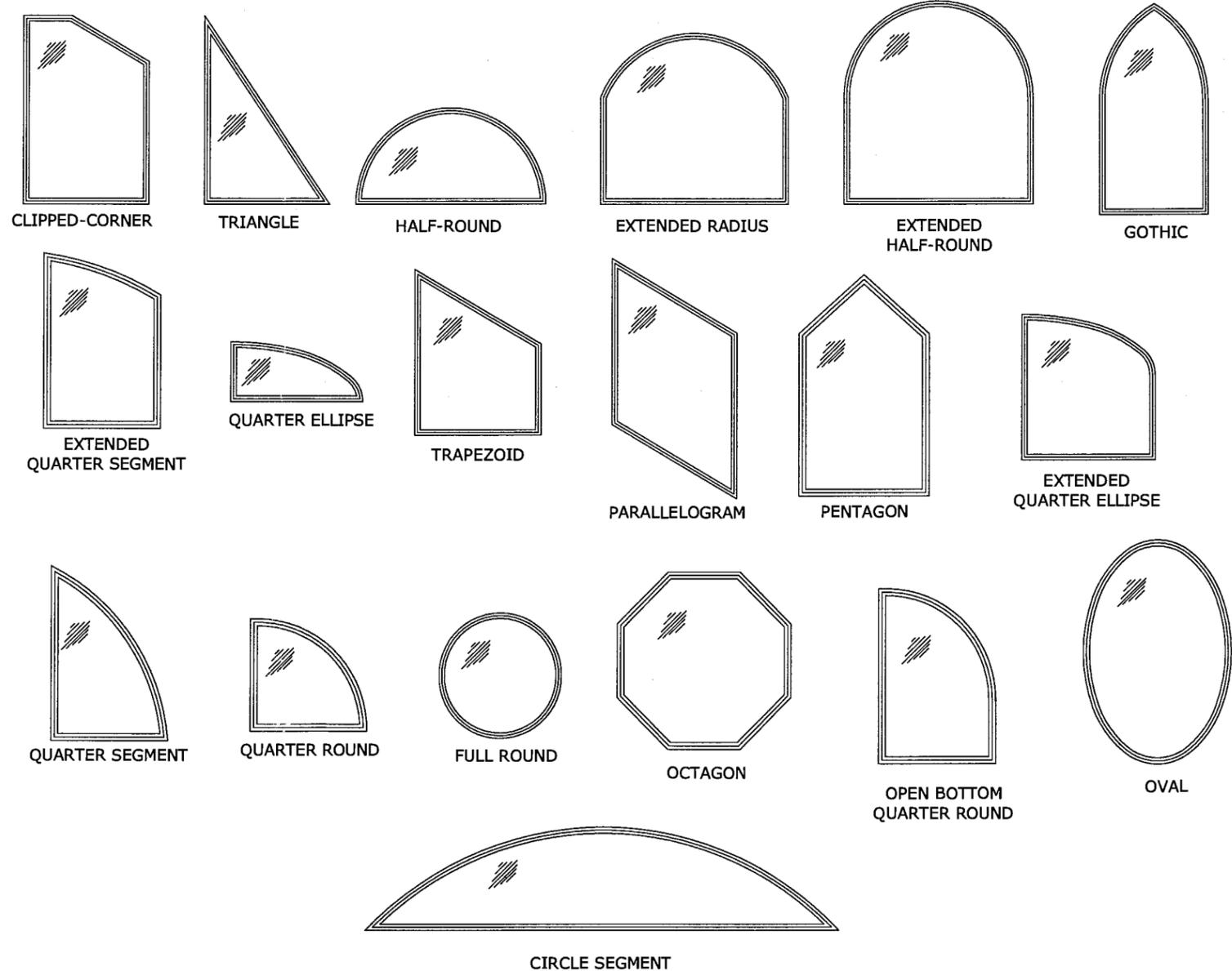
08/18/2008



**NOTE:** MAXIMUM FRAME DIMENSIONS DO NOT INCLUDE INTEGRAL NAILING FIN. DIMENSIONS 'A' AND 'B' ARE INTERCHANGEABLE.



## APPROVED SHAPES:



## SHAPED UNIT NOTES

1. UNITS OF ANY SHAPE ARE ALLOWED PROVIDED CONSTRUCTION, GLAZING AND ANCHORAGE ARE PER DETAILS SHOWN HEREIN.
2. ALL SHAPED UNITS SHALL FIT WITHIN THE RECTANGULAR DIMENSIONS SHOWN IN THE DESIGN SCHEDULE.

## GENERAL NOTES

1. THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE WITH 2006 SUPPLEMENTS, FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE, PER TAS 201 / 202 / 203 & ASTM E1300-02 STANDARDS.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE.
4. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
5. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. ALL WOOD COMPONENTS OF THIS PRODUCT SHALL BE PRESSURE TREATED WESTERN PINE OR WESTERN WOODS WITH G=0.36 OR GREATER DENSITY, UNLESS NOTED OTHERWISE.
7. UNITS GLAZED WITH 0.546" LAMINATED GLASS (0.228" H.S. / 0.090" SGP INTERLAYER / 0.228" H.S., LAMINATED BY CARDINAL) ARE IMPACT RESISTANT AND DO NOT REQUIRE IMPACT RESISTANT SHUTTERS.
8. UNITS GLAZED WITH 1.162" INSULATED LAMINATED GLASS (0.188" TEMPERED + 0.508" GAP + 0.188" H.S. / 0.090" SGP INTERLAYER / 0.228" H.S., LAMINATED BY CARDINAL) ARE LARGE MISSILE IMPACT RESISTANT AND DO NOT REQUIRE IMPACT RESISTANT SHUTTERS.
9. PLASTIC COMPONENTS USED WITHIN THE HVHZ MUST MEET ALL APPLICABLE FIRE/SMOKE/UV PERFORMANCE REQUIREMENTS AS SET FORTH IN THE ABOVE-NOTED BUILDING CODE.
10. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR PLATED AS PRESCRIBED IN THE ABOVE-NOTED BUILDING CODE.

**ENGINEERING EXPRESS**  
160 SW 12th AVENUE, #106  
DEERFIELD BEACH, FL 33442  
PH: (954) 354-0660 FAX: (954) 354-0443  
WWW.ENGEXP.COM  
CERT. OF AUTH. #9885  
A FRANK L. BENNARDO, P.E., INC. INNOVATION

**JELBOWEN**  
3737 LAKEPORT BOULEVARD  
KLAMATH FALLS, OR 97601  
PHONE: (541) 850 - 2606  
CUSTOM COLLECTION DIRECT SET PICTURE WINDOW  
LARGE MISSILE IMPACT RESISTANT  
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN	CHKD	DATE
INIT ISSUE	KL	CL	11/06/07
BCCO COMMENTS	RKB	CL	04/07/08

07-JWN-0006  
SCALE: 1/01  
PAGE DESCRIPTION:

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Date 09/18/2008  
NOA# 07-1218-05  
Miami Dade Product Control  
By *Manuel Perez*

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08/18/2008 - 2:50pm keifhl



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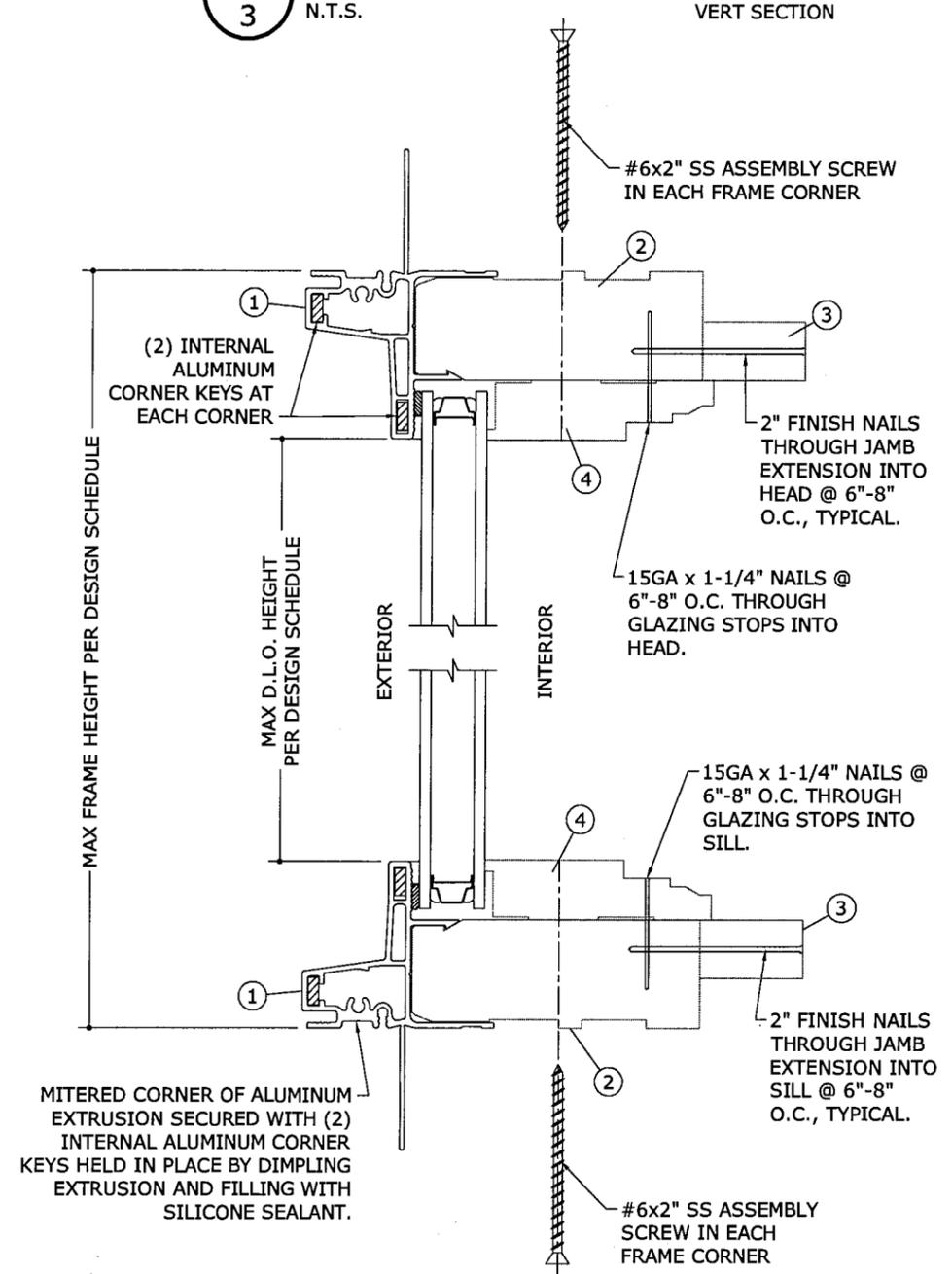
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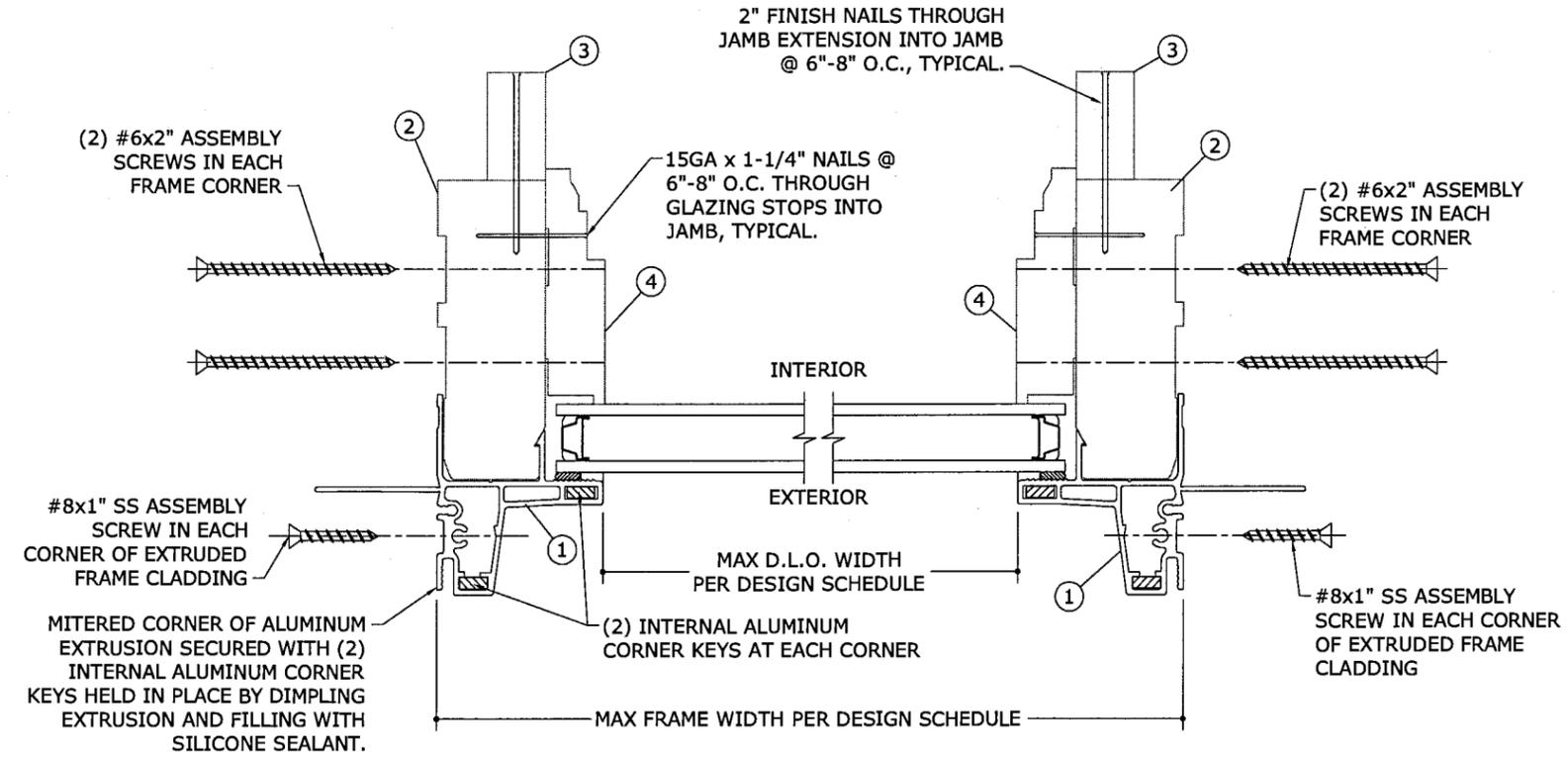
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**A TYPICAL HEAD ASSEMBLY**  
N.T.S. VERT SECTION



**B TYPICAL SILL ASSEMBLY**  
N.T.S. VERT SECTION



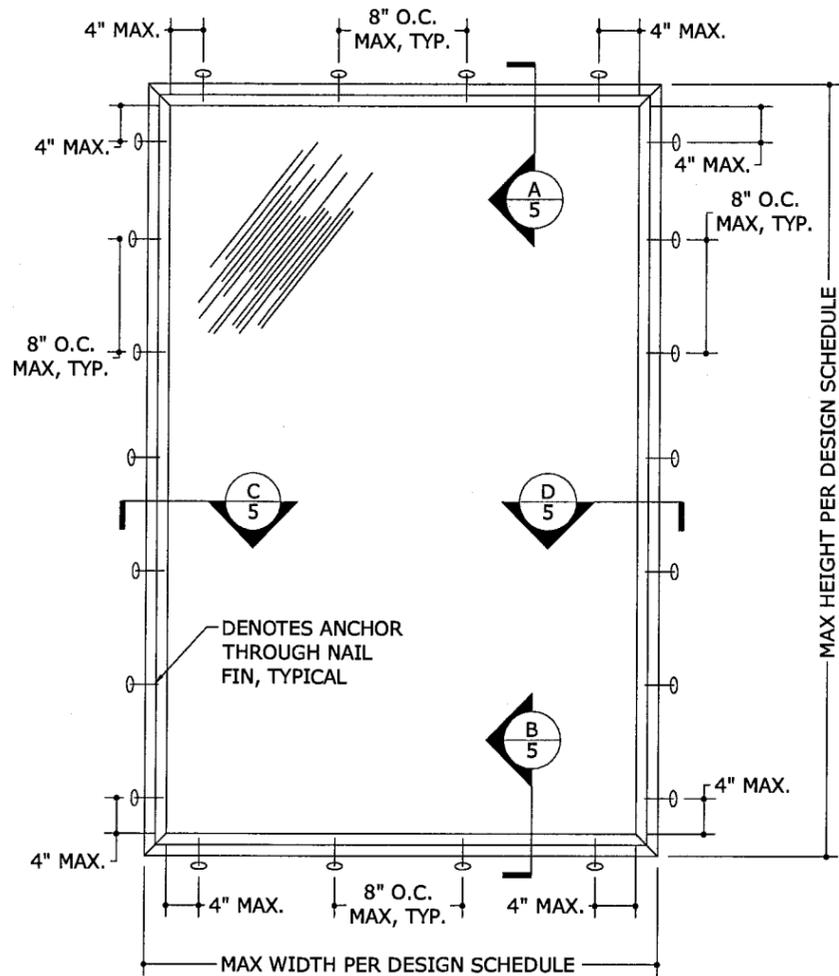
**C TYPICAL JAMB ASSEMBLY**  
N.T.S. HORIZ SECTION

**D TYPICAL JAMB ASSEMBLY**  
N.T.S. HORIZ SECTION

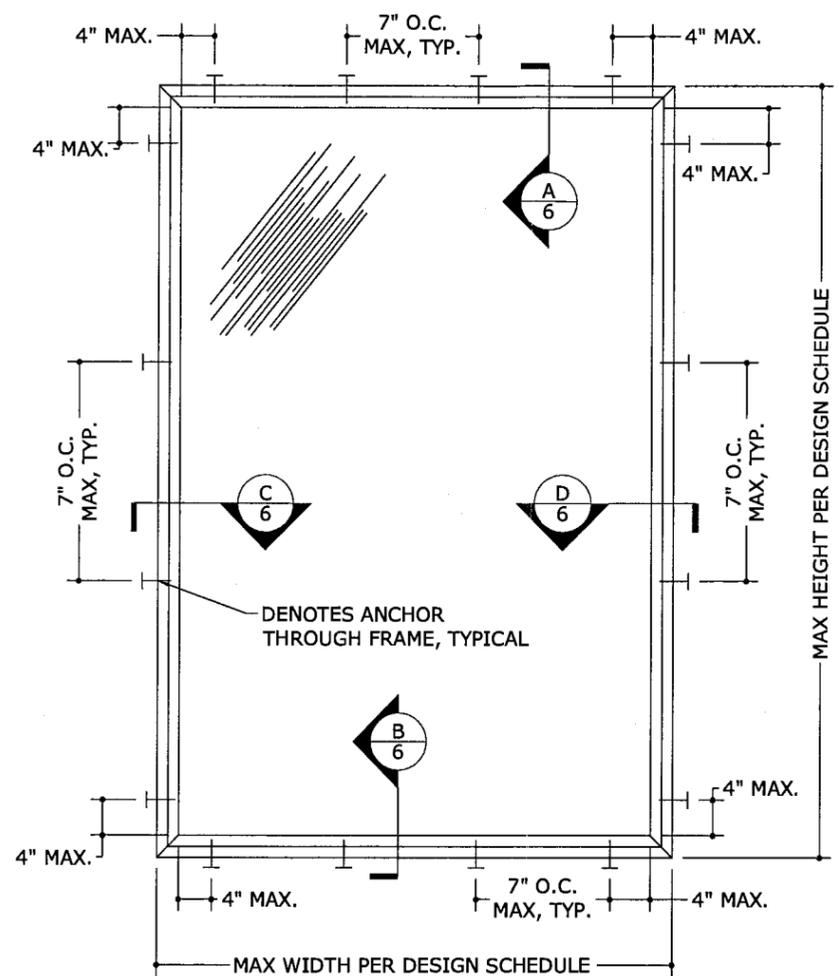
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Date 09/18/2008  
NOA# 07-018.05  
Miami Dade Product Control  
By *Manuel Perez*

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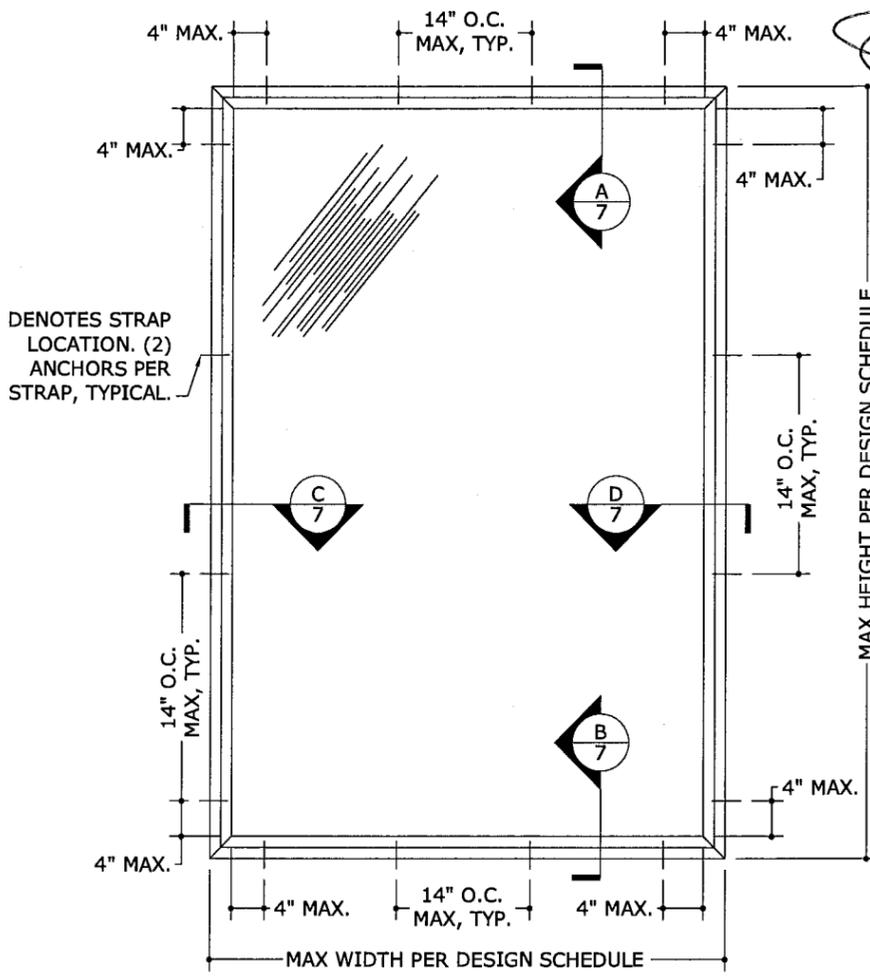
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**1**  
4 ANCHOR ELEVATION FOR INSTALLATION WITH NAIL FIN EXTERIOR ELEV  
N.T.S.



**2**  
4 ANCHOR ELEVATION FOR INSTALLATION THROUGH FRAME EXTERIOR ELEV  
N.T.S.



**3**  
4 ANCHOR ELEVATION FOR INSTALLATION WITH STRAP EXTERIOR ELEV  
N.T.S.

**ANCHOR SCHEDULE:**

**TO HOLLOW BLOCK OR 3192 PSI MIN CONCRETE HOST STRUCTURE:**

- 1/4" TAPCONS (ELCO OR ITW) THRU 1X OR 2X WOOD BUCKS OR DIRECTLY INTO MASONRY / CONCRETE WITH 1-3/4" MIN. EMBEDMENT.

**TO WOOD BUCK OR HOST STRUCTURE (G=0.55 MIN WOOD):**

- 1/4" TAPCONS (ELCO OR ITW) WITH 1-1/2" MIN. THREAD PENETRATION.
- #14 WOOD SCREWS WITH 1-1/2" MIN. THREAD PENETRATION.
- 1/4" LAG SCREWS WITH 1-1/2" MIN. THREAD PENETRATION.

**ANCHOR NOTES:**

- SEE ANCHOR ELEVATIONS FOR ANCHOR LOCATIONS AND/OR SPACING.
- ANCHORAGE METHODS, INCLUDING ANCHOR TYPES AND MAXIMUM SPACING, ARE APPLICABLE TO ALL SHAPED UNITS SHOWN ON SHEET 1.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- TAPCONS MAY BE MANUFACTURED BY ELCO OR ITW.
- ENSURE MINIMUM 2-1/2" EDGE DISTANCE FOR ALL ANCHORS INTO CONCRETE AND INTO HOLLOW BLOCK.
- WHERE ANCHORS FASTEN TO NARROW FACE OF STUD FRAMING, ANCHOR SHALL BE LOCATED IN CENTER OF NOMINAL 2x (MIN) WOOD STUD (i.e. 3/4" EDGE DISTANCE IS ACCEPTABLE FOR ANCHORS TO WOOD FRAMING).
- WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
- MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
- ANCHOR SCHEDULE APPLIES TO ALL PRODUCTS CERTIFIED HEREIN.
- WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
- WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.

Approved as complying with the Florida Building Code  
Date 09/18/2008  
NOA# 67-1218.05  
Miami Dade Product Control Division  
By *Manuel Perez*

FRANK L. BENNARDO, P.E.  
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08/18/2008

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Ph: (954) 354-0660 Fax: (954) 354-0443  
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**JELD-WEN**  
3737 LAKEPORT BOULEVARD  
KLAMATH FALLS, OR 97601  
PHONE: (541) 850 - 2606

CUSTOM COLLECTION DIRECT SET PICTURE WINDOW  
LARGE MISSILE IMPACT RESISTANT  
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DATE	DRWN	CHKD
INIT ISSUE	11/06/07	KL	CL
BCCO COMMENTS	04/07/08	RKB	GL

07-JWN-0006

SCALE: 1/4" = 1'-0"

PAGE DESCRIPTION: 01

4

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**JELD-WEN**  
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KLAMATH FALLS, OR 97601  
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07-JWN-0006

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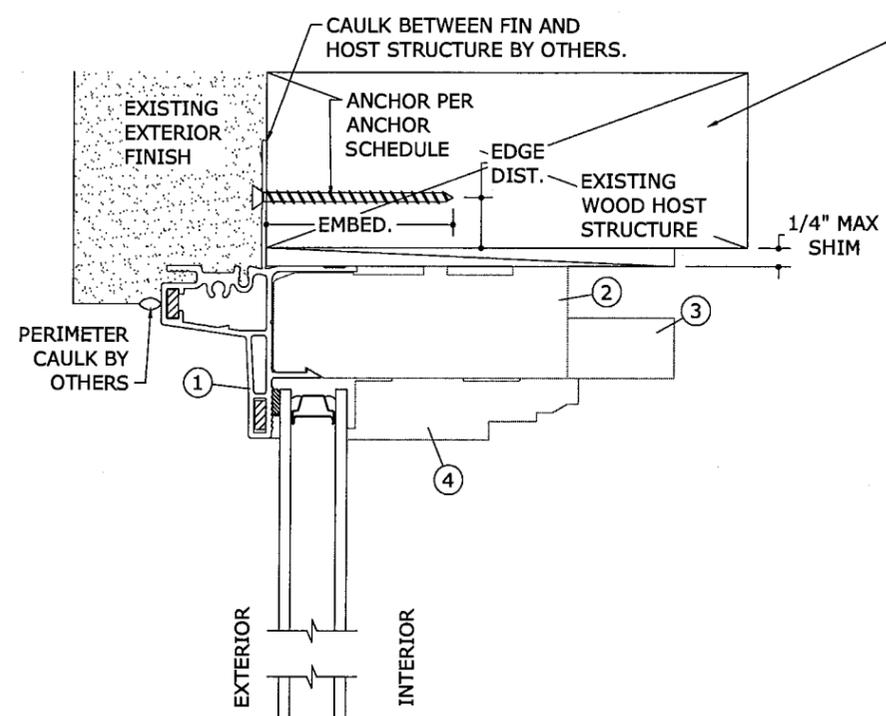
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5

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NOAH 07-1218.05  
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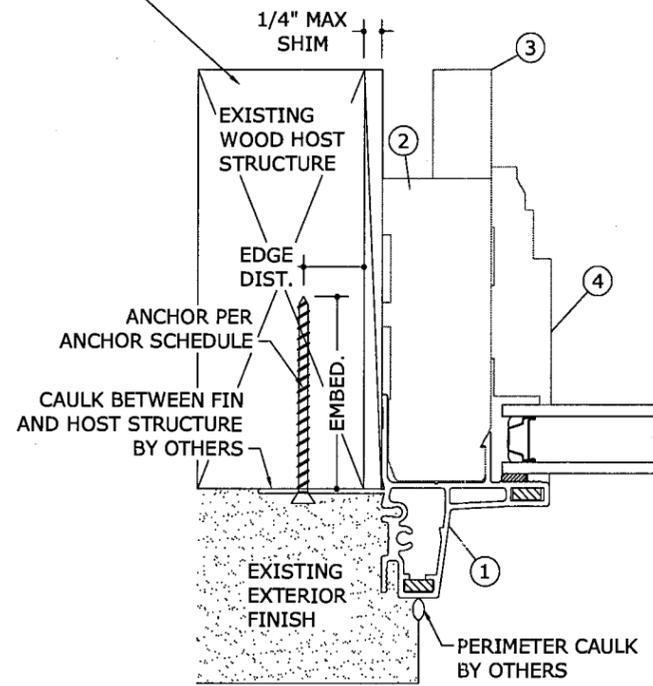
**A**  
**INSTALLATION WITH FIN AT FRAME HEAD**

5 N.T.S. VERT SECTION



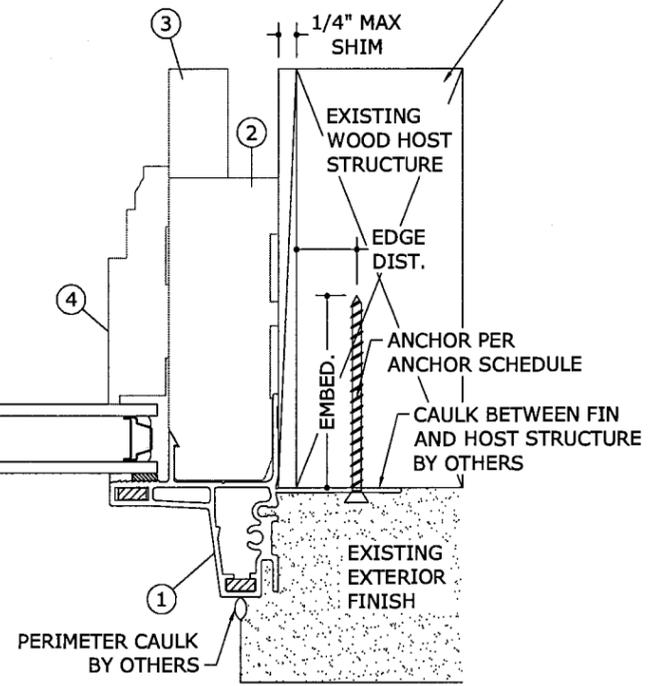
NOTE: NAIL FIN INSTALLATION REQUIRES MINIMUM 2X OR GREATER PRESSURE TREATED WOOD BUCK (BY OTHERS) IN CONCRETE AND MASONRY HOST STRUCTURE.

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**C**  
**INSTALLATION WITH FIN AT FRAME JAMB**

5 N.T.S. HORIZ SECTION



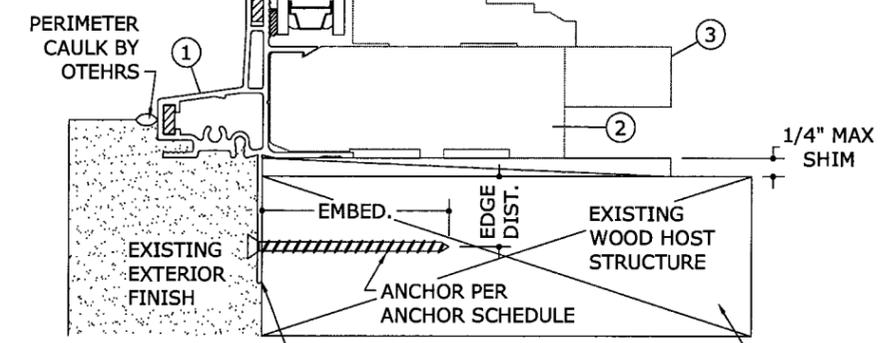
**D**  
**INSTALLATION WITH FIN AT FRAME JAMB**

5 N.T.S. HORIZ SECTION

NOTE: SEE ANCHOR SCHEDULE AND ANCHOR NOTES FOR REQUIRED EDGE DISTANCES AND EMBEDMENTS.

**B**  
**INSTALLATION WITH FIN AT FRAME SILL**

5 N.T.S. VERT SECTION

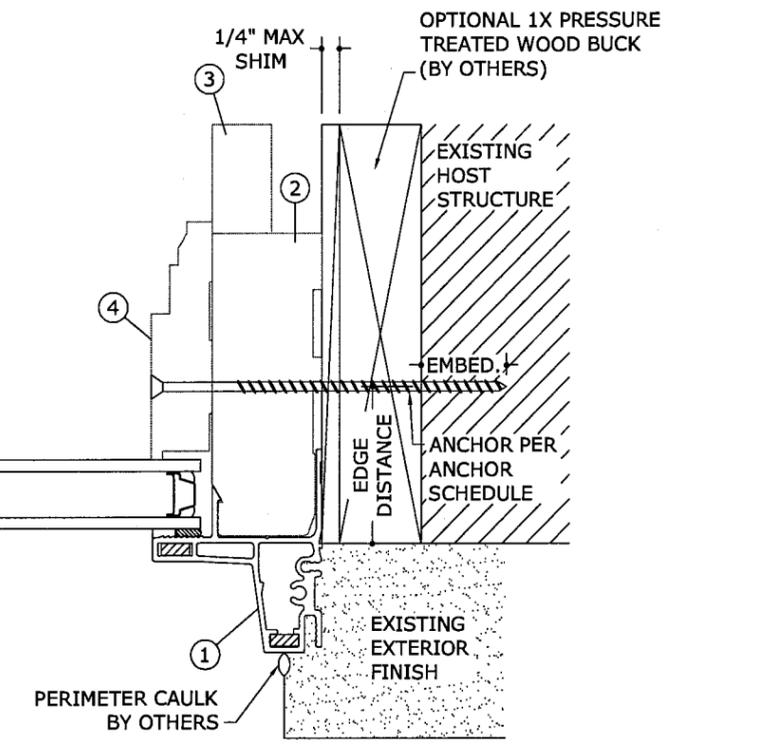
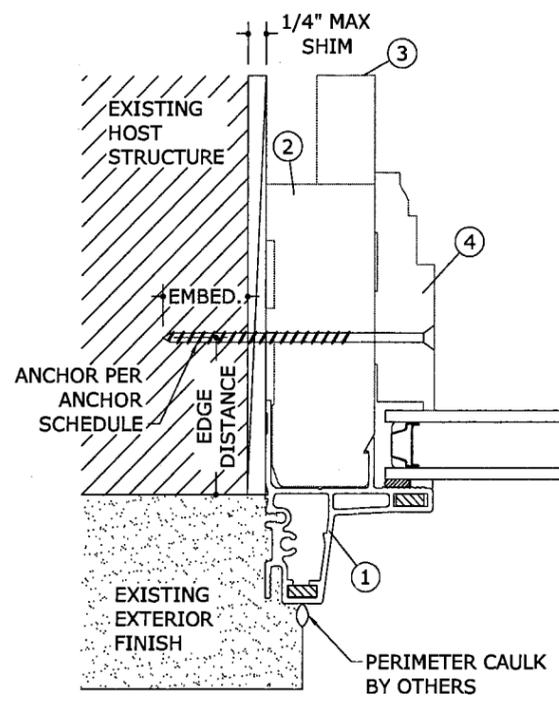
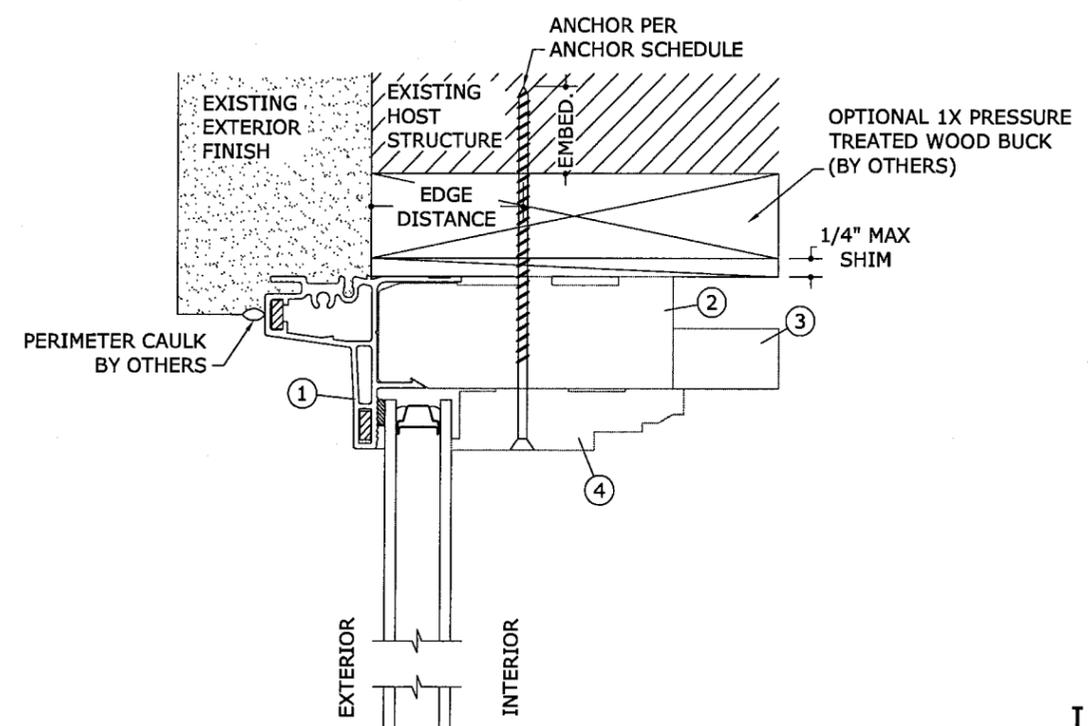


NOTE: NAIL FIN INSTALLATION REQUIRES MINIMUM 2X OR GREATER PRESSURE TREATED WOOD BUCK (BY OTHERS) IN CONCRETE AND MASONRY HOST STRUCTURE.

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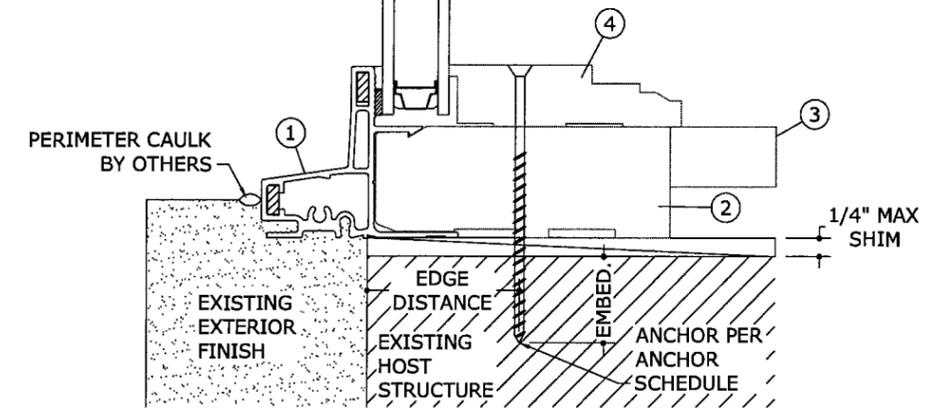
08/18/2008

**A**  
**6** N.T.S. VERT SECTION  
**INSTALLATION THROUGH FRAME HEAD**



**C**  
**6** N.T.S. HORIZ SECTION  
**INSTALLATION THROUGH FRAME JAMB**

**D**  
**6** N.T.S. HORIZ SECTION  
**INSTALLATION THROUGH FRAME JAMB**



**B**  
**6** N.T.S. VERT SECTION  
**INSTALLATION THROUGH FRAME SILL**

**NOTE:** SEE ANCHOR SCHEDULE AND ANCHOR NOTES FOR REQUIRED EDGE DISTANCES AND EMBEDMENTS.

**ENGINEERING EXPRESS**  
160 SW 12th AVENUE, #106  
DEERFIELD BEACH, FL 33442  
Ph: (954) 354-0660 FAX: (954) 354-0443  
WWW.ENGEXP.COM  
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**JELD-WEN**  
3737 LAKEPORT BOULEVARD  
KLAMATH FALLS, OR 97601  
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REMARKS	DRWN	CHKD	DATE
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07-JWN-0006  
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Miami Dade Product Control  
Division  
By *Manuel Perez*

6

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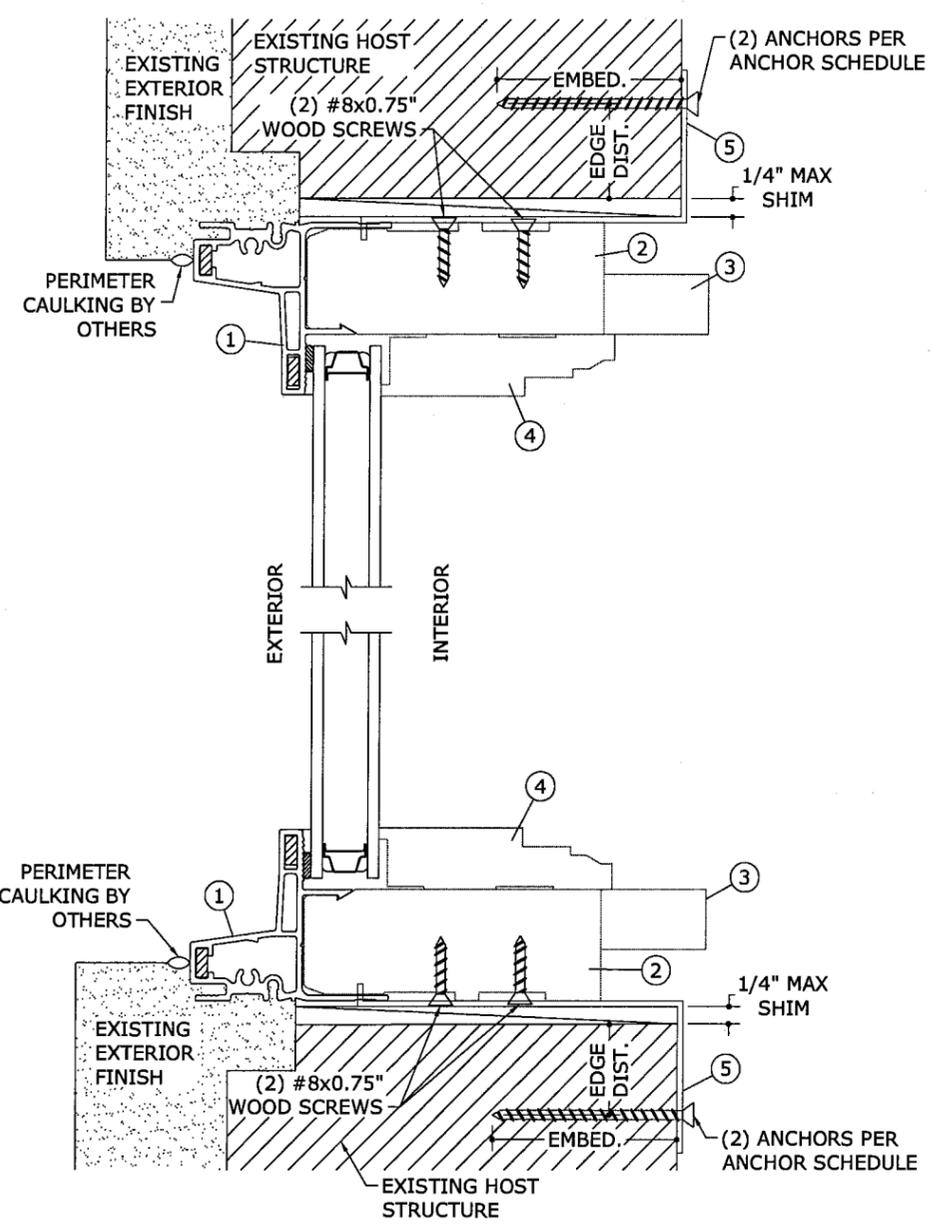
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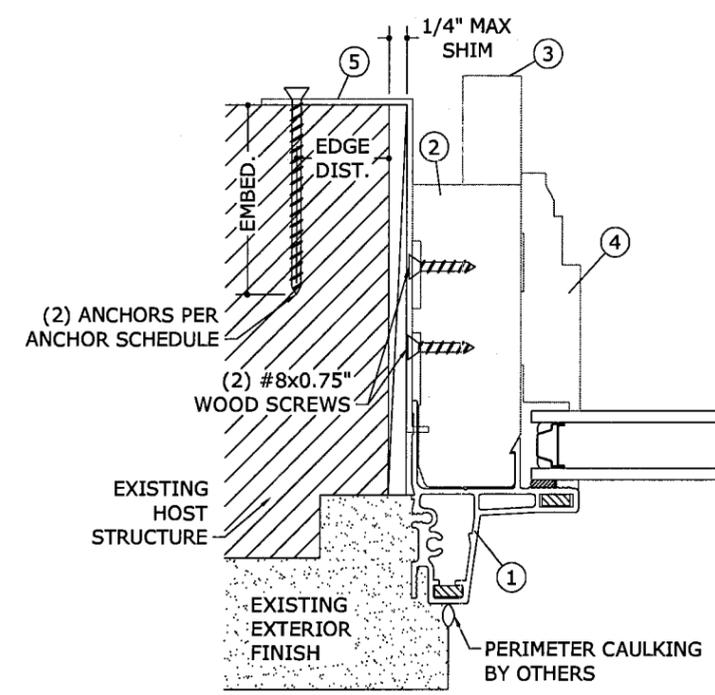
07-JWN-0006  
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PAGE DESCRIPTION:  
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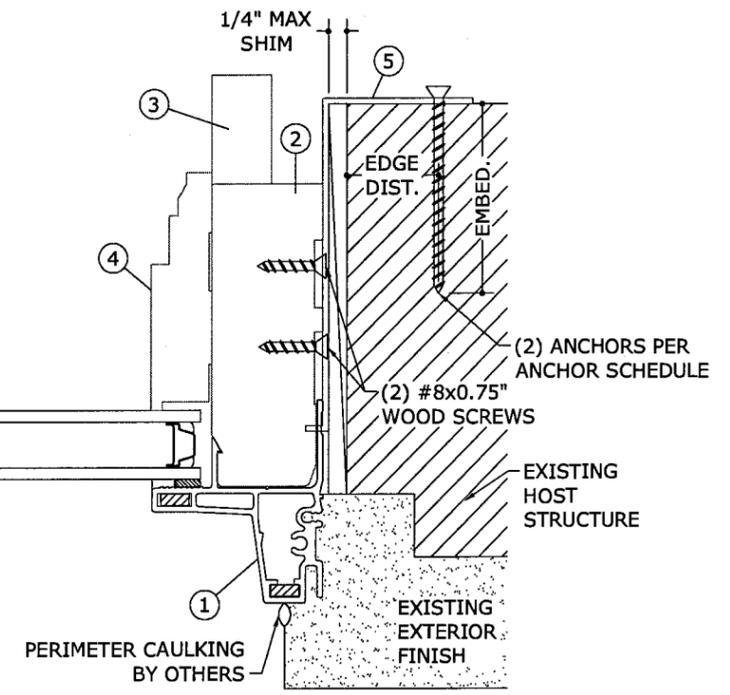
**A**  
7 N.T.S. VERT SECTION  
INSTALLATION WITH STRAP AT FRAME HEAD



**B**  
7 N.T.S. VERT SECTION  
INSTALLATION WITH STRAP AT FRAME SILL



**C**  
7 N.T.S. HORIZ SECTION  
INSTALLATION WITH STRAP AT FRAME JAMB

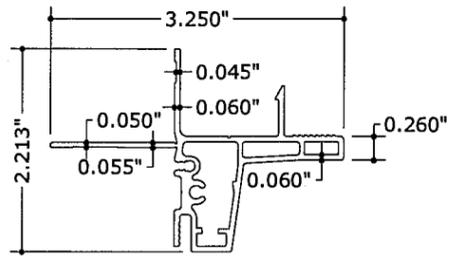


**D**  
7 N.T.S. HORIZ SECTION  
INSTALLATION WITH STRAP AT FRAME JAMB

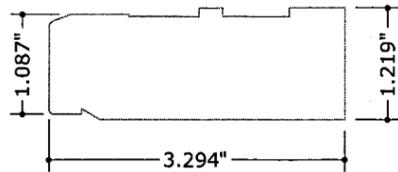
**NOTE:** SEE ANCHOR SCHEDULE AND ANCHOR NOTES FOR REQUIRED EDGE DISTANCES AND EMBEDMENTS.

Approved as complying with the Florida Building Code  
Date: 09/18/2008  
NOA#: 67-1218.05  
Miami Dade Product Control  
Division  
By: *Manuel Perez*

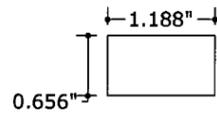
08/18/2008 - 2:50pm keithl F:\01 Project Files\Jeld-Wen (JWN)\200707-JWN-0006 Custom Wood - Direct Set, LMI (NOA)\07-JWN-0006\_011 Custom Wood - Direct Set LMI (NOA).dwg



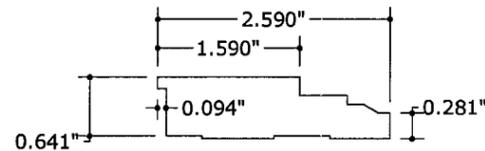
**1 NAIL FIN**  
6" = 1'-0" 6063-T5 ALUM.



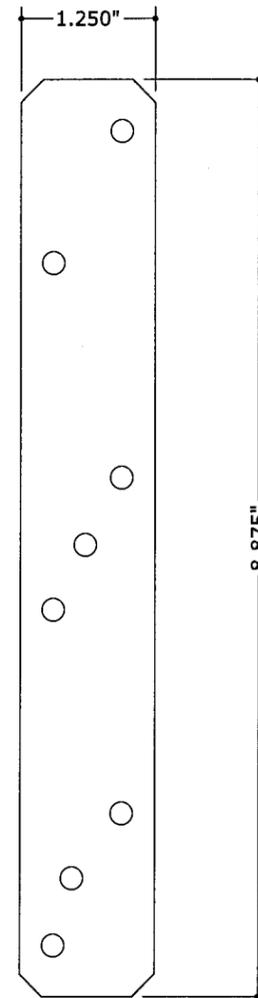
**2 HEAD, SILL AND JAMB**  
6" = 1'-0" WOOD



**3 JAMB EXTENDER**  
6" = 1'-0" WOOD



**4 GLAZING STOP**  
6" = 1'-0" WOOD



**5 13GA GALVANIZED INSTALLATION STRAP**  
6" = 1'-0" STEEL

**BILL OF MATERIALS**

ITEM	PART #	DESCRIPTION	MATERIAL	REMARKS
1	VH-53641	EXTRUDED FRAME CLADDING	6063-T5	
2	CA0176SJ	HEAD, SILL AND JAMB	WOOD	PRESSURE TREATED AURALAST®
3	CA260AJE	JAMB EXTENDER	WOOD	PRESSURE TREATED AURALAST®
4	CA0284SP	GLAZING STOP	WOOD	PRESSURE TREATED AURALAST®
5		GALVANIZED INSTALLATION STRAP	STEEL	13 GA
6		SILICONE SEALANT	SILICONE	DOW CORNING 899

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Date: 09/18/2008  
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Miami Dade Product Control  
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By: *Manuel Perez*

FRANK L. BENNARDO, P.E.  
# PE0046549

08/18/2008

**ENGINEERING EXPRESS®**  
160 SW 12th AVENUE, #106  
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KLAMATH FALLS, OR 97601  
PHONE: (541) 850 - 2606  
CUSTOM COLLECTION DIRECT SET PICTURE WINDOW  
LARGE MISSILE IMPACT RESISTANT  
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DRWN		CHKD		DATE	
	KL	RKB	CL	CL	11/06/07	04/07/08
INIT ISSUE						
BCCO COMMENTS						

07-JWN-0006

SCALE: 1/1

PAGE DESCRIPTION:

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