



**MIAMI-DADE COUNTY**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**  
**140 WEST FLAGLER STREET, SUITE 1603**  
**MIAMI, FLORIDA 33130-1563**  
**(305) 375-2902 FAX (305) 372-6339**

**NOTICE OF ACCEPTANCE (NOA)**

**[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)**

**Andersen Corporation**  
**100 Fourth Avenue North**  
**Bayport, MN 55003**

**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 "Perma-Shield" Vinyl Clad Wood Awning Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **W02-09**, titled "Vinyl Clad Wood Awning Window (L.M.I.)", sheets 1 through 4 of 4, dated 01/24/02, with revision C dated 03/16/09, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration 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.

**REVISION** 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 **revises and renews** NOA # **06-0222.12** and 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. 09-0121.21**  
**Expiration Date: April 22, 2014**  
**Approval Date: April 29, 2009**  
**Page 1**

**Andersen Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **W02-09**, titled "Vinyl Clad Wood Awning Window (L.M.I.)", sheets 1 through 4 of 4, dated 01/24/02, with revision c dated 03/16/09, prepared by Al-Farooq Corporation, signed and sealed by Humayoun Farooq, 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 Resistance, per FBC, 2411.3.2.1 and TAS 202-94along with installation diagram of a vinyl clad wood awning window prepared by Architectural Testing, Report No. **ATI-59680.01-201-18**, dated 09/06/05, signed and sealed by Joseph A. Reed, 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 Resistance, per FBC, 2411.3.2.1 and TAS 202-94along with installation diagram of a vinyl clad wood awning window prepared by Architectural Testing, Report No. **ATI-02-46289.01**, dated 09/20/03, signed and sealed by Allen N. Reeves, P.E.  
*(Submitted under previous NOA #04-0303.02)*
3. 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 Resistance, per FBC, 2411.3.2.1 and TAS 202-94along with installation diagram of a vinyl clad wood awning window prepared by Architectural Testing, Report No. **ATI-02-33344.01**, dated 08/01/01, signed and sealed by Allen N. Reeves, P.E.  
*(Submitted under previous NOA #04-0303.02)*



Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 09-0121.21

Expiration Date: April 22, 2014  
Approval Date:

Andersen Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**C. CALCULATIONS**

1. Anchor Calculations, and structural analysis complying with FBC 2007, prepared by Al Farooq Corporation, dated 03/18/09, signed and sealed by Humayoun Farooq, P.E.  
**Complies with ASTM E1300-02/ 04**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite PVB, Interlayer**" dated 01/05/06, expiring on 12/11/10.

**D. STATEMENTS**

1. Statement letter of conformance, dated March 13, 2009, signed and sealed by Humayoun Farooq, P. E.
2. Statement letter of no financial interest, dated March 13, 2009, signed and sealed by Humayoun Farooq, P. E.
3. Statement letter of no changes, dated January 14, 2009, signed by Cindy Berger and by Dale Fitterer.
4. Laboratory compliance letter for Test Report No. **ATI-59680.01-201-18**, issued by Architectural Testing, Inc., dated October 10, 2005, signed and sealed by Joseph A. Reed, P. E.
5. Laboratory compliance letter for Test Report No. **ATI-02-46289.01**, issued by Architectural Testing, Inc., dated September 20, 2003, signed and sealed by Allen N. Reeves, P. E.
6. Laboratory compliance letter for Test Report No. **ATI-02-33344.01**, issued by Architectural Testing, Inc., dated August 01, 2001, signed and sealed by Allen N. Reeves, P. E.

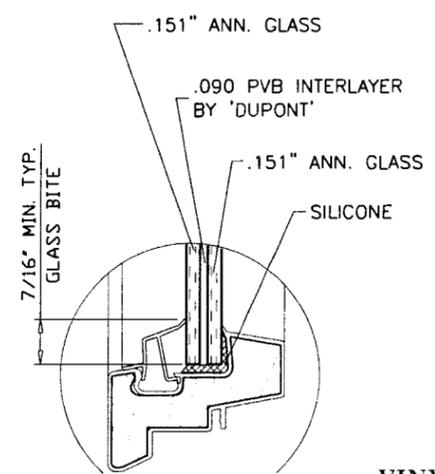
**G. OTHERS**

1. Notice of Acceptance No. **06-0222.12**, issued to Andersen Corporation for their Series "**Perma-Shield**" Vinyl Clad Wood Awning Window – L. M. I.", approved on 06/13/06 and expiring on 04/22/09.

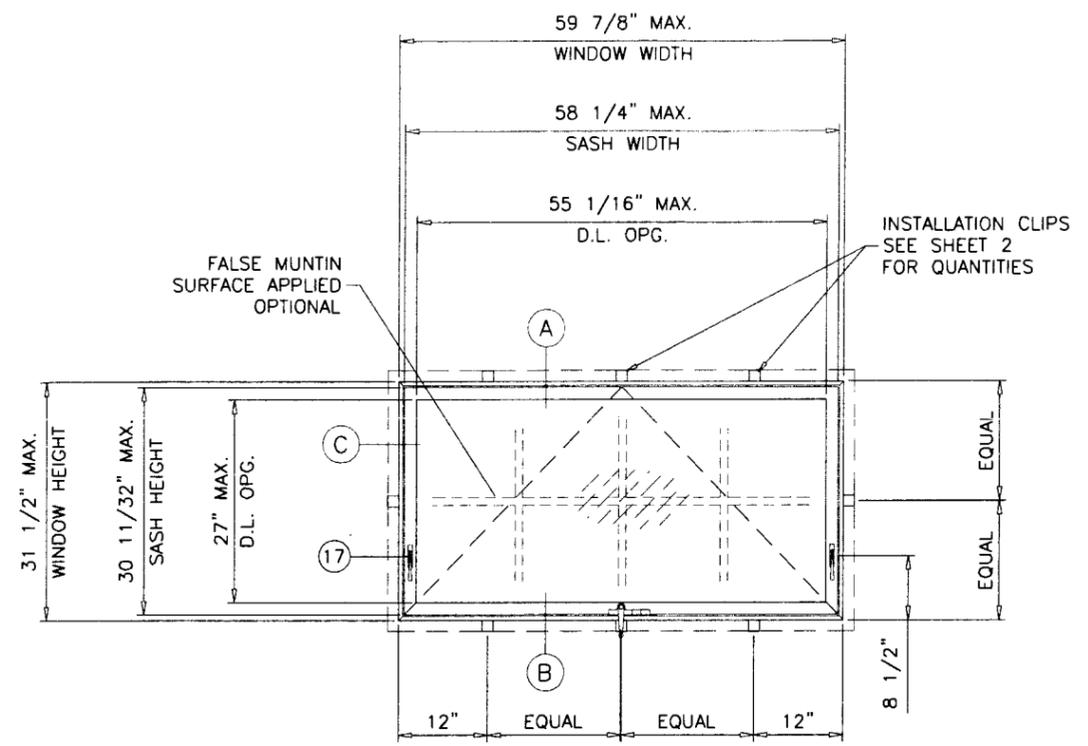
  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 09-0121.21  
Expiration Date: April 22, 2014  
Approval Date: April 29, 2009

| DESIGN LOAD CAPACITY - PSF |                   |                 |                 |          |
|----------------------------|-------------------|-----------------|-----------------|----------|
| WINDOW DESCRIPTION         | UNIT WIDTH INCHES | UNIT HT. INCHES | 3/8" LAM. GLASS |          |
|                            |                   |                 | EXT. (+)        | INT. (-) |
| AR21                       | 24-1/8"           | 17"             | 67.0            | 82.0     |
| AR251                      | 28-3/8"           |                 | 67.0            | 82.0     |
| AR281                      | 31-1/2"           |                 | 67.0            | 82.0     |
| AR31                       | 35-15/16"         |                 | 67.0            | 82.0     |
| AR351                      | 40-13/16"         |                 | 67.0            | 82.0     |
| AR41                       | 48"               |                 | 67.0            | 82.0     |
| AR451                      | 52-13/16"         |                 | 67.0            | 82.0     |
| AR51                       | 59-7/8"           |                 | 67.0            | 82.0     |
| AN21                       | 24-1/8"           | 20-1/2"         | 67.0            | 82.0     |
| AN251                      | 28-3/8"           |                 | 67.0            | 82.0     |
| AN281                      | 31-1/2"           |                 | 67.0            | 82.0     |
| AN31                       | 35-15/16"         |                 | 67.0            | 82.0     |
| AN351                      | 40-13/16"         |                 | 67.0            | 82.0     |
| AN41                       | 48"               |                 | 67.0            | 82.0     |
| AN451                      | 52-13/16"         |                 | 67.0            | 82.0     |
| AN51                       | 59-7/8"           |                 | 67.0            | 82.0     |
| A21                        | 24-1/8"           | 24-1/8"         | 67.0            | 82.0     |
| A251                       | 28-3/8"           |                 | 67.0            | 82.0     |
| A281                       | 31-1/2"           |                 | 67.0            | 82.0     |
| A31                        | 35-15/16"         |                 | 67.0            | 82.0     |
| A351                       | 40-13/16"         |                 | 67.0            | 82.0     |
| A41                        | 48"               |                 | 67.0            | 82.0     |
| A451                       | 52-13/16"         |                 | 67.0            | 82.0     |
| A51                        | 59-7/8"           |                 | 67.0            | 82.0     |
| AW21                       | 24-1/8"           | 28-3/8"         | 67.0            | 82.0     |
| AW251                      | 28-3/8"           |                 | 67.0            | 82.0     |
| AW281                      | 31-1/2"           |                 | 67.0            | 82.0     |
| AW31                       | 35-15/16"         |                 | 67.0            | 82.0     |
| AW351                      | 40-13/16"         |                 | 67.0            | 82.0     |
| AW41                       | 48"               |                 | 67.0            | 82.0     |
| AW451                      | 52-13/16"         |                 | 67.0            | 82.0     |
| AW51                       | 59-7/8"           |                 | 67.0            | 82.0     |
| AX251                      | 28-3/8"           | 31-1/2"         | 60.0            | 65.0     |
| AX281                      | 31-1/2"           |                 | 60.0            | 65.0     |
| AX31                       | 35-15/16"         |                 | 60.0            | 65.0     |
| AX351                      | 40-13/16"         |                 | 60.0            | 65.0     |
| AX41                       | 48"               |                 | 60.0            | 65.0     |
| AX451                      | 52-13/16"         |                 | 60.0            | 65.0     |
| AX51                       | 59-7/8"           |                 | 60.0            | 65.0     |

NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-02/04 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219



GLAZING DETAIL



TYPICAL ELEVATION  
TESTED UNIT

VINYL CLAD WOOD AWNING WINDOW

DESIGN LOAD RATING TO BE AS PER CHART SHOWN ABOVE.  
APPROVAL APPLIES TO SINGLE AWNING WINDOWS,  
ALSO COMBINATIONS OF AWNING/AWNING OR AWNING WITH  
OTHER WINDOW TYPES USING MIAMI-DADE COUNTY APPROVED  
MULLIONS IN BETWEEN.  
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL  
WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE  
REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004/2007 EDITION INCLUDING  
HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER  
LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS  
EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS  
ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO  
CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS  
OF 2004/2007 FLORIDA BLDG. CODE SECTION 2003.8.4.

ALL WOOD IN CONTACT WITH MASONRY AND CONCRETE ETC. WILL BE TREATED  
USING 'WATERBORNE MILLTREAT™' WATER REPELLENT WOOD PRESERVATIVE AS  
MANUFACTURED BY 'KOP-COAT, INC.'

WINDOWS GLAZED WITH LAMINATED GLASS RATED FOR  
LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

Engr: DR. HUMAYOUL FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

MAR 18 2009

PRODUCT REVISIONS  
as comply with the Florida  
Building Code  
09-0121.21  
APRIL 22, 2014  
Manuel Perez  
Quality Control  
Director

**af c**  
**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP - ANL \ W02 - 09AC

VINYL CLAD WOOD AWNING WINDOW (L.M.I.)  
**ANDERSEN CORPORATION**  
100 FOURTH AVE. NORTH  
BAYPORT, MN. 55003-1096  
TEL. (800) 426-7691 FAX (-)

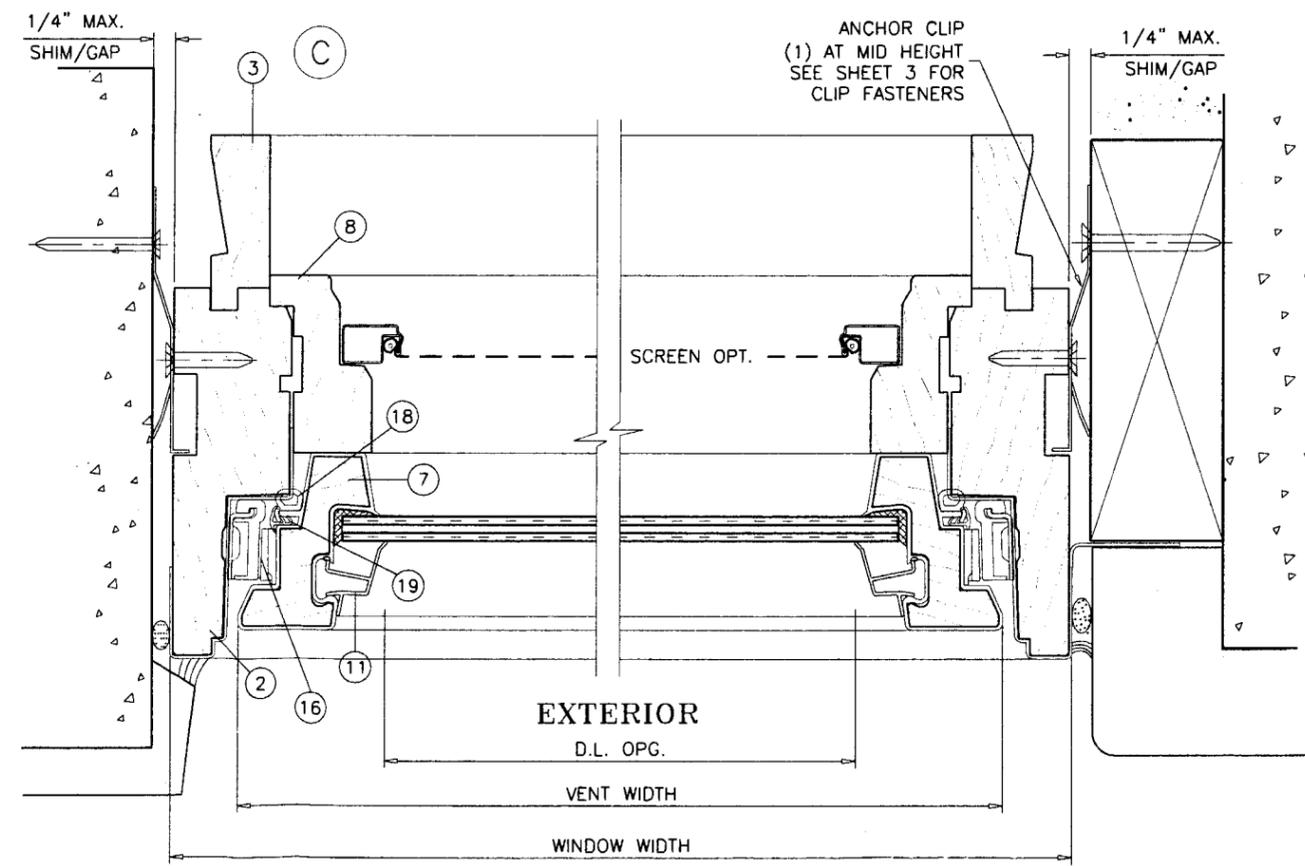
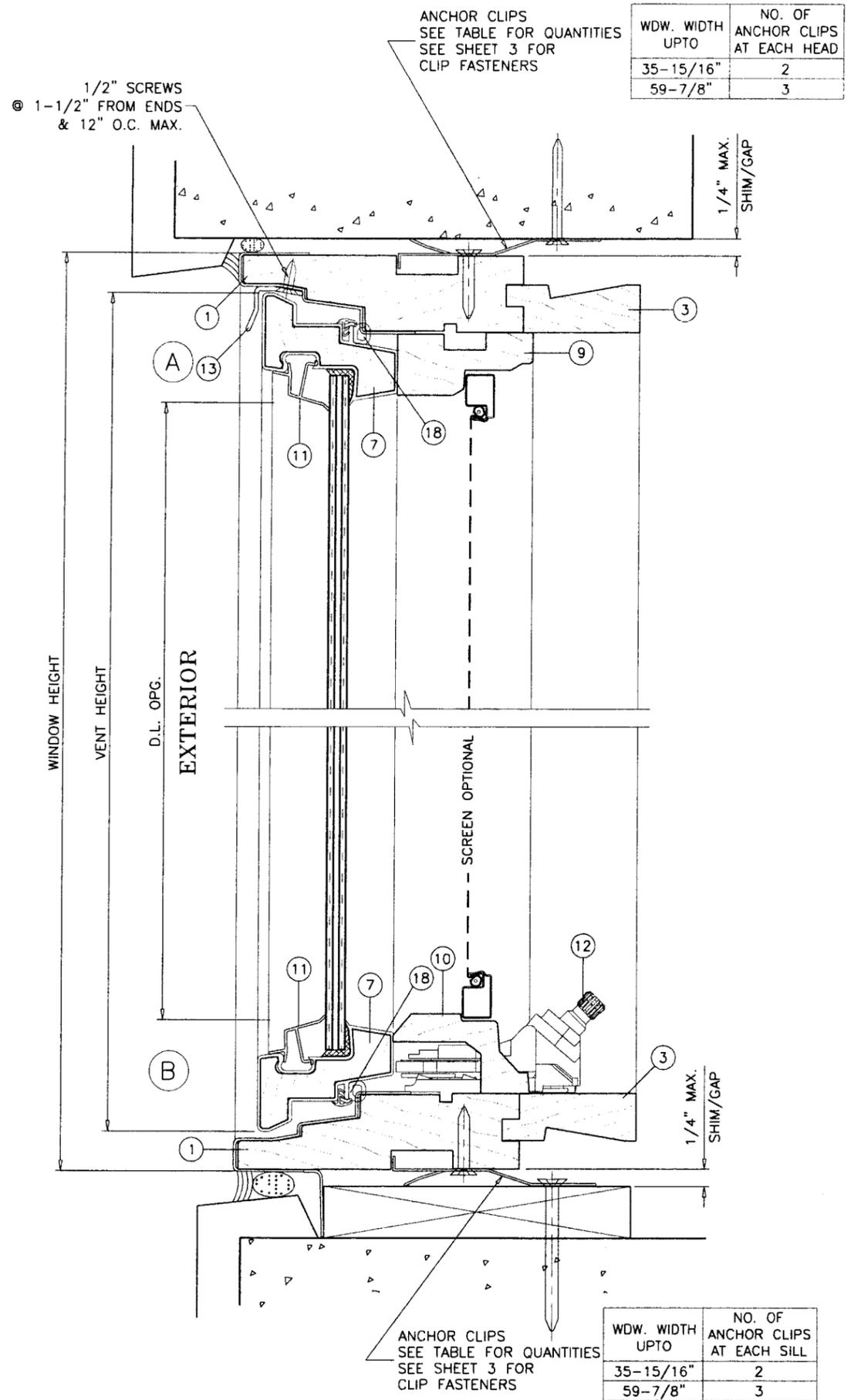
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|-----|----------|------------------------|
| A   | 04.15.05 | UPDATED FOR 2004 FBC   |
| B   | 06.02.06 | REV. PER BCCO COMMENTS |
| C   | 03.16.09 | UPDATED FOR 2007 FBC   |

revisions:

date: 01-24-02  
scale: 1/2"=1'-0"  
dr. by: HAMID  
chk. by:

drawing no.  
**W02-09**

sheet 1 of 4



WOOD BUCKS NOT BY ANDERSEN, MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS:** SEE ELEV. FOR SPACING

**ANCHORS THRU INSTALLATION CLIPS**

A: #8 SMS (GRADE 2 CRS)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD

B: 1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)  
INTO 2BY WOOD BUCKS OR WOOD STRUCTURES  
1-1/2" MIN. PENETRATION INTO WOOD  
THRU 1BY BUCKS INTO CONC. OR MASONRY  
1-1/4" MIN. EMBED INTO CONC. OR MASONRY  
DIRECTLY INTO CONC. OR MASONRY  
1-3/8" MIN. EMBED INTO CONC. OR MASONRY

**TYPICAL EDGE DISTANCE**

INTO CONCRETE AND MASONRY = 2" MIN.  
INTO WOOD STRUCTURE = 1" MIN.

CONCRETE f'c = 3000 PSI MIN.  
C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

Engr: DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538

PRODUCT REVISED  
to comply with the Florida  
Building Code  
09-0121.21  
04/22/2014  
APRIL 22, 2014  
Maxwell  
Product Control  
Division

MAR 18 2009

**af c**

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
1235 S.W. 87 AVE  
MIAMI, FLORIDA 33174  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP - ANL W02 - 09AC

VINYL CLAD WOOD AWNING WINDOW (L.M.I.)

**ANDERSEN CORPORATION**  
100 FOURTH AVE. NORTH  
BAYPORT, MN. 55003-1096  
TEL. (800) 426-7891 FAX (-)

AW

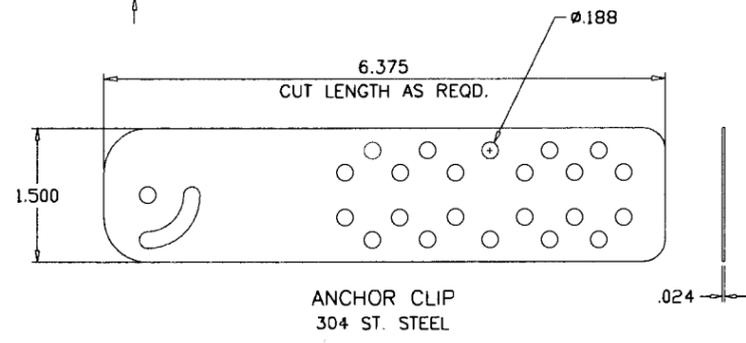
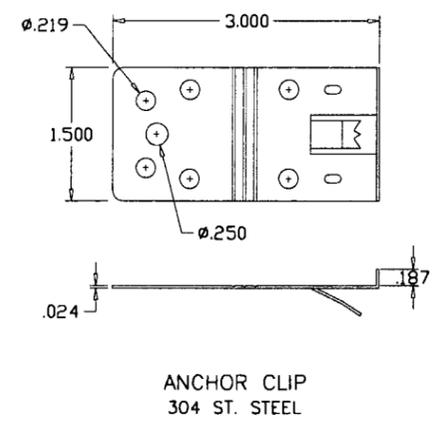
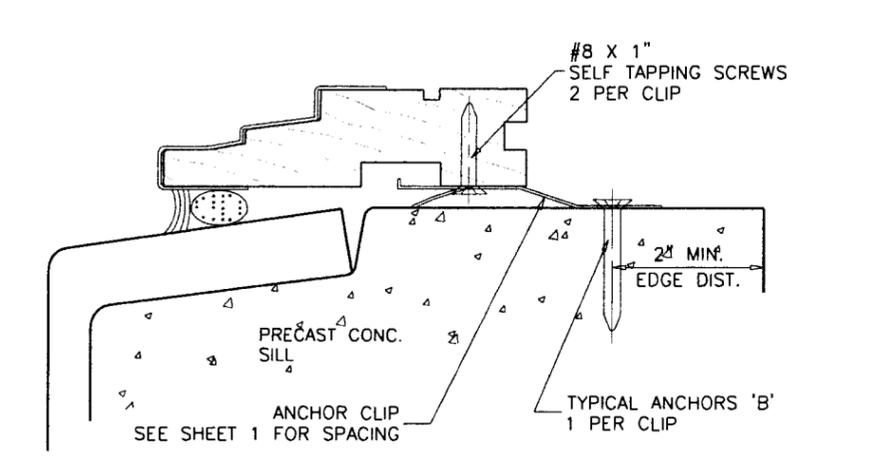
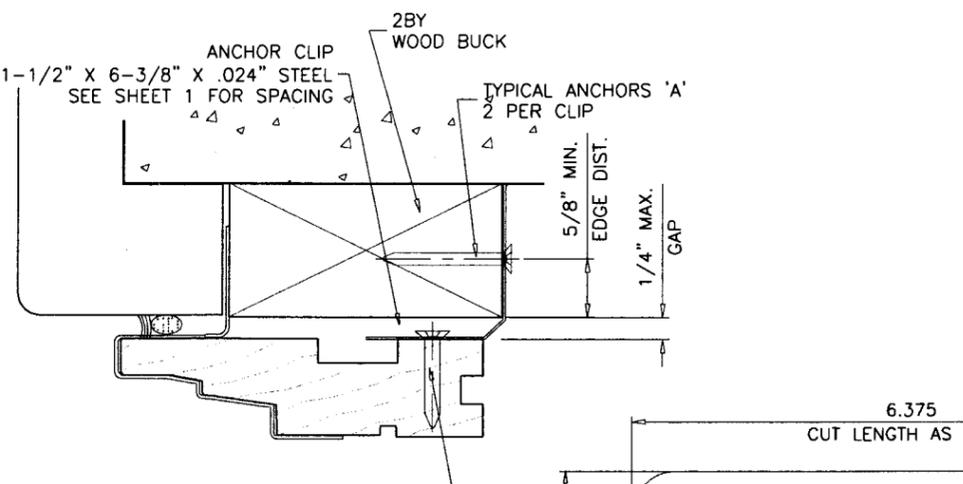
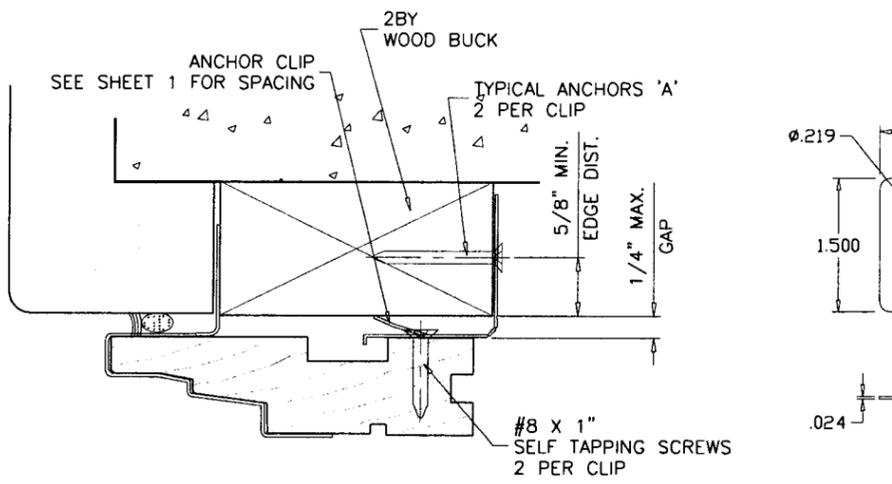
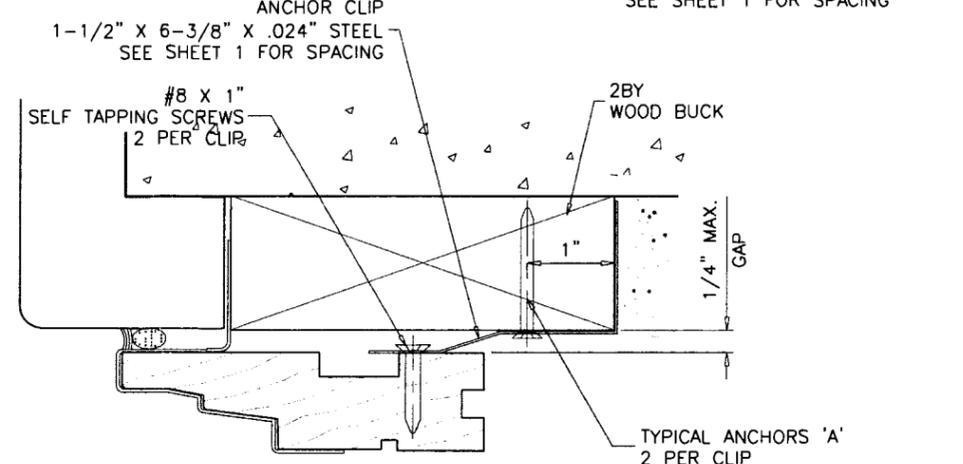
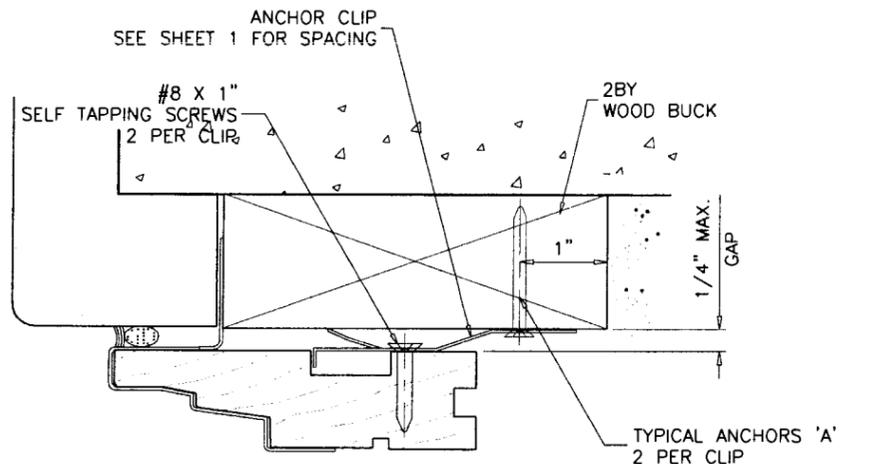
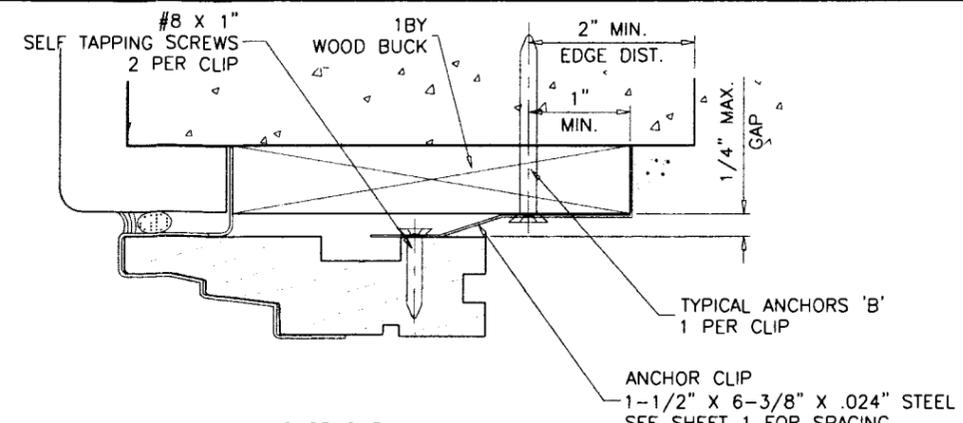
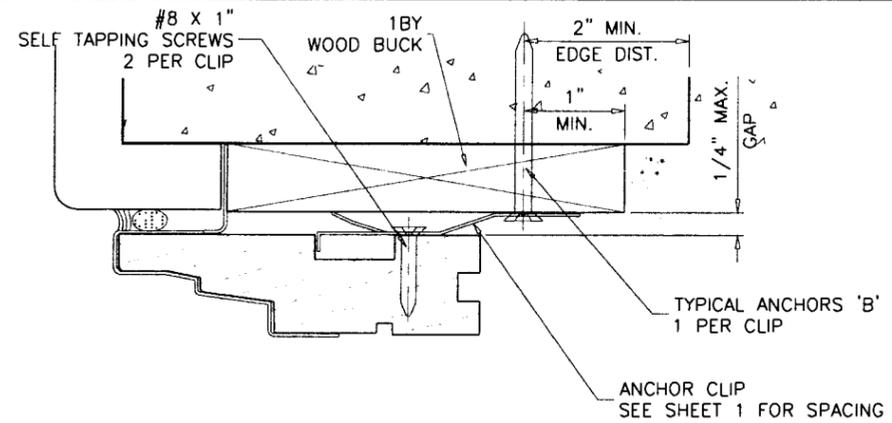
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| A  | 04.15.05 | ANCHORS REV. | REV. PER BCCO COMMENTS |
| B  | 06.02.06 |              | UPDATED FOR 2007 FCC   |
| C  | 03.16.09 |              |                        |

revisions:

date: 01-24-02  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no.  
**W02-09**

sheet 2 of 4



CLIP INSTALLATION DETAILS

Engr: DR. HUMAYOUN FARGOO  
 STRUCTURES  
 FLA. PE # 16557  
 C.A.N. 3538  
 MAR 18 2009

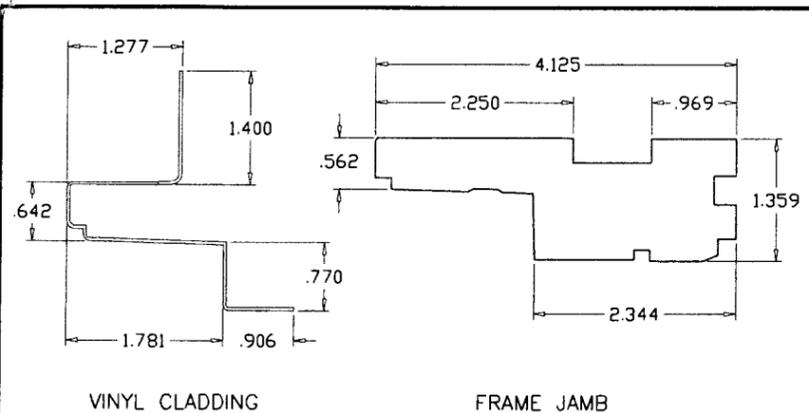
PRODUCT REVISED  
 to comply with the Florida  
 Building Code  
 Approved No. 09-0121-21  
 Expiration Date APRIL 22, 2014  
 By: *Manuel Perez*  
 Director of Product Control

**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 12395 S.W. 87 AVE  
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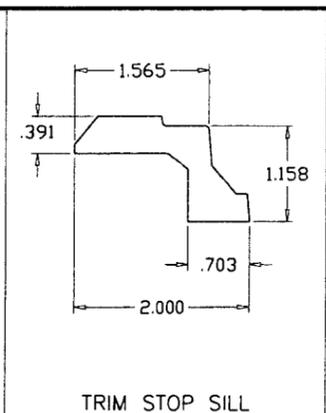
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revisions:  
 date: 01-24-02  
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 dr. by: HAMID  
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 sheet 3 of 4

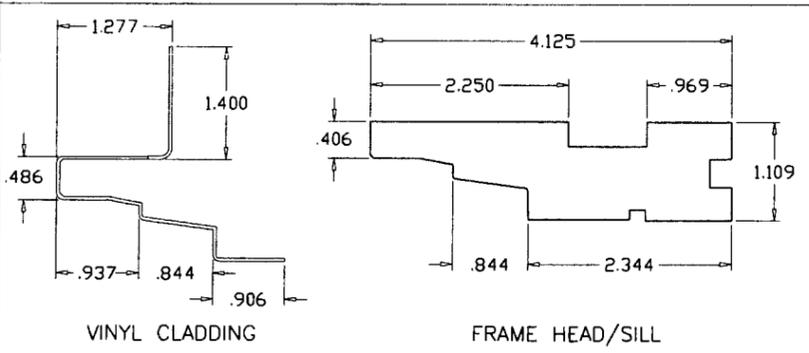


VINYL CLADDING

FRAME JAMB

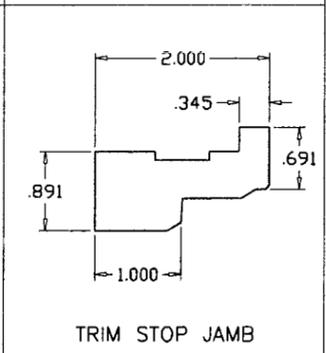


TRIM STOP SILL

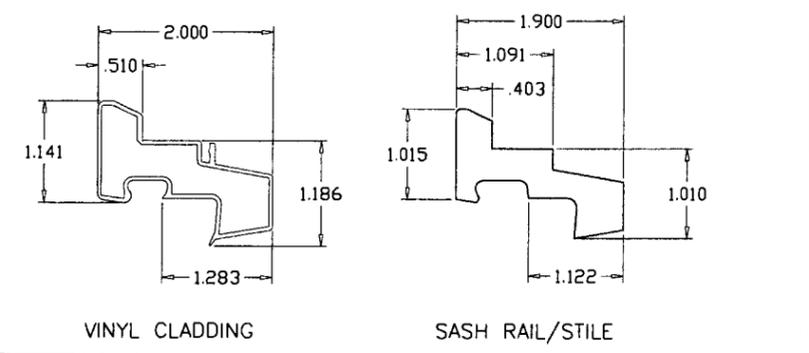


VINYL CLADDING

FRAME HEAD/SILL

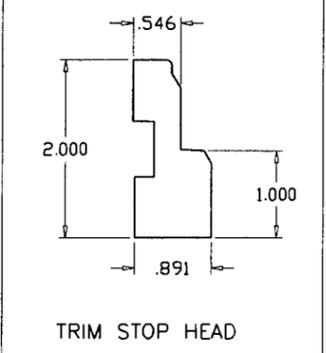


TRIM STOP JAMB

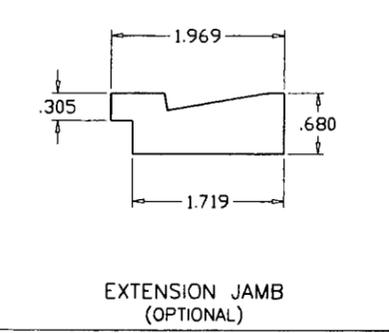


VINYL CLADDING

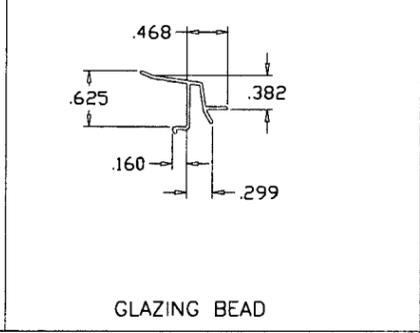
SASH RAIL/STILE



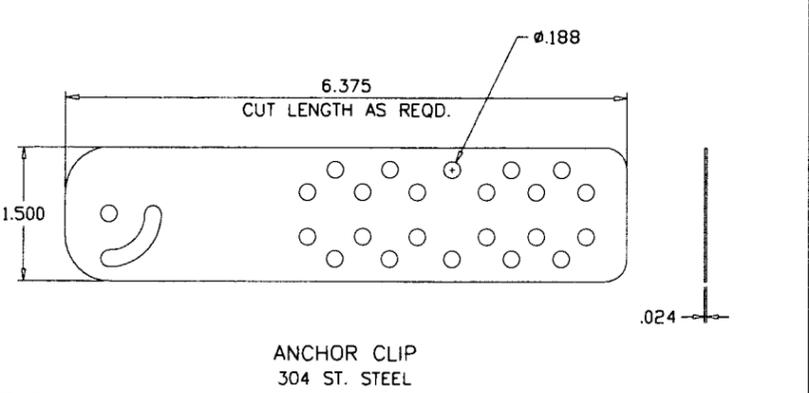
TRIM STOP HEAD



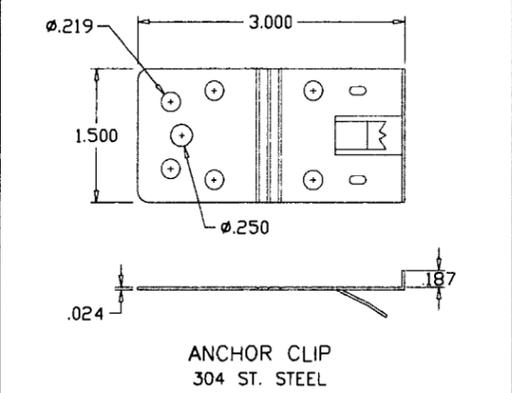
EXTENSION JAMB (OPTIONAL)



GLAZING BEAD



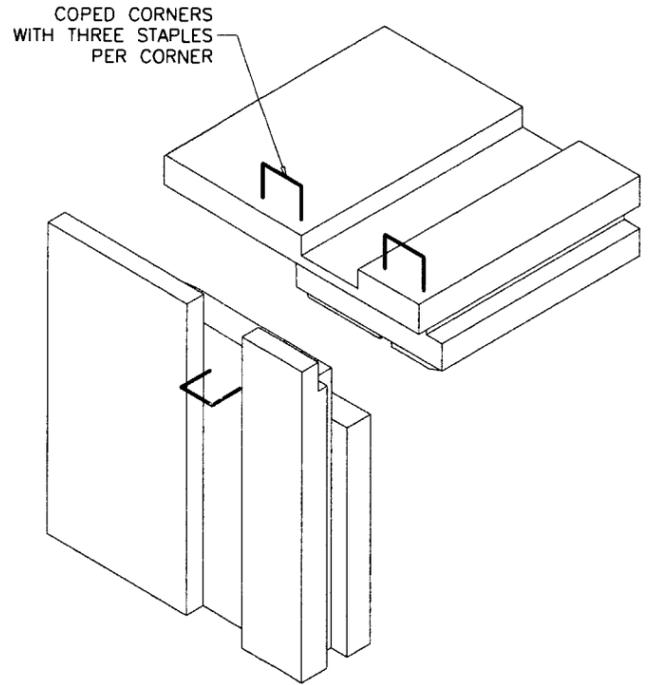
ANCHOR CLIP 304 ST. STEEL



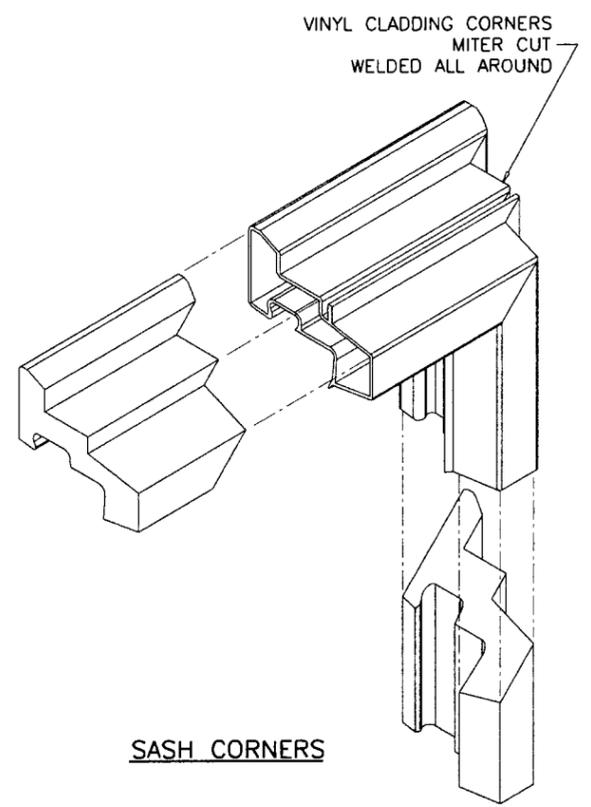
ANCHOR CLIP 304 ST. STEEL

| ITEM # | PART NO.  | QUANTITY | DESCRIPTION                  | MATERIAL | MANF./SUPPLIER/REMARKS         |
|--------|-----------|----------|------------------------------|----------|--------------------------------|
| 1      | 30836     | AS REQD. | FRAME JAMB                   | WOOD     | ANDERSEN                       |
| 2      | 30838     | AS REQD. | FRAME HEAD/SILL              | WOOD     | ANDERSEN                       |
| 3      | -         | OPTIONAL | EXTENSION JAMBS              | WOOD     | ANDERSEN                       |
| 7      | 30013     | 4/ SASH  | SASH                         | WOOD     | ANDERSEN                       |
| 8      | 40145     | 1/ WDW.  | TRIM STOP HEAD               | WOOD     | ANDERSEN                       |
| 9      | -         | 2/ WDW.  | TRIM STOP JAMB               | WOOD     | ANDERSEN                       |
| 10     | 40146     | 1/ WDW.  | TRIM STOP SILL               | WOOD     | ANDERSEN                       |
| 11     | 30894     | AS REQD. | GLAZING BEAD                 | PVC      | -                              |
| 12     | 40140     | 1/ SASH  | OPERATOR WITH SINGLE ARM     | STEEL    | -                              |
| 13     | 30442     | 1/ SASH  | ALUMINUM SNUGGER             | 5052-H32 | -                              |
| 14     | #8 x 1/2" | -        | SNUGGER SCREWS               | -        | AT 1-1/2" FROM ENDS & 12" O.C. |
| 15     | -         | -        | -                            | -        | -                              |
| 16     | 30462/63  | 2/ SASH  | HINCE ASEMBLY AT TOP CORNERS | STEEL    | -                              |
| 17     | 40149     | AS REQD. | LOCK W/ KEEPERS ON SASH      | STEEL    | -                              |
| 18     | 40152     | AS REQD. | WEATHERSTRIP                 | FOAM     | -                              |

ALL WOOD TO BE PONDEROSA PINE OR EQUAL  
ANCHOR CLIPS TO BE 304 ST. STEEL



FRAME CORNERS



SASH CORNERS

Engr. DR. HUMAYOUN FAROOQ  
STRUCTURES  
FLA. PE # 16557  
C.A.N. 3538  
MAR 18 2009

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Asymptote Pk. 09-0121.21  
Description Date APRIL 22, 2014  
By *Manuel Perez*  
Division

**AL-FAROOQ CORPORATION**  
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VINYL CLAD WOOD AWNING WINDOW (L.M.I.)  
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revisions:  
no. date by description  
A 04.15.05 ANCHORS REV.  
B 06.02.06 REV. PER BCCO COMMENTS  
C 03.16.09 UPDATED FOR 2007 FBC

date: 01-24-02  
scale: 1/2" = 1"  
dr. by: HAMID  
chk. by:

drawing no. **W02-09**  
sheet 4 of 4