



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) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

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 last revision on 06/02/06, 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 approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

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 revises NOA No. 04-0303.02 and consists of this page 1 and evidence page E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
6/27/06

NOA No 06-0222.12
Expiration Date: April 22, 2009
Approval Date: July 13, 2006
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 last revision on 06/02/06, 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 202-94
along 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 NOA No. 04-0303.02"

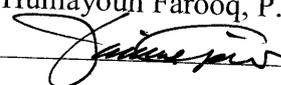
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Resistance, per FBC, 2411.3.2.1 and TAS 202-94
along 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 NOA No. 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 202-94
along 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.

C. CALCULATIONS

1. Anchor Calculations, and structural analysis, prepared by Al Farooq Corporation, dated 06/08/06, signed and sealed by Humayoun Farooq, P.E.
Complies with ASTM E1300-98



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0222.12
Expiration Date: April 22, 2009
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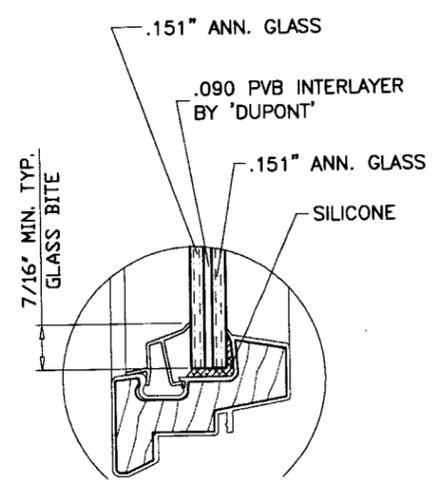
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. Notice of acceptance No. **00-1212.04** issued to "E.I. DuPont DeNemours" for "Dupont Butacite ® PVB" dated 01/06/06 with expiration date on 12/11/10.
- F. STATEMENTS**
1. Statement letter of conformance and, no financial interest, dated 01/31/06, signed and sealed by Humayoun Farooq, P.E.
- G. OTHER**
1. Letter from the consultant, dated June 15, 2006, stating that the product is in compliance with the Florida Building Code (FBC)



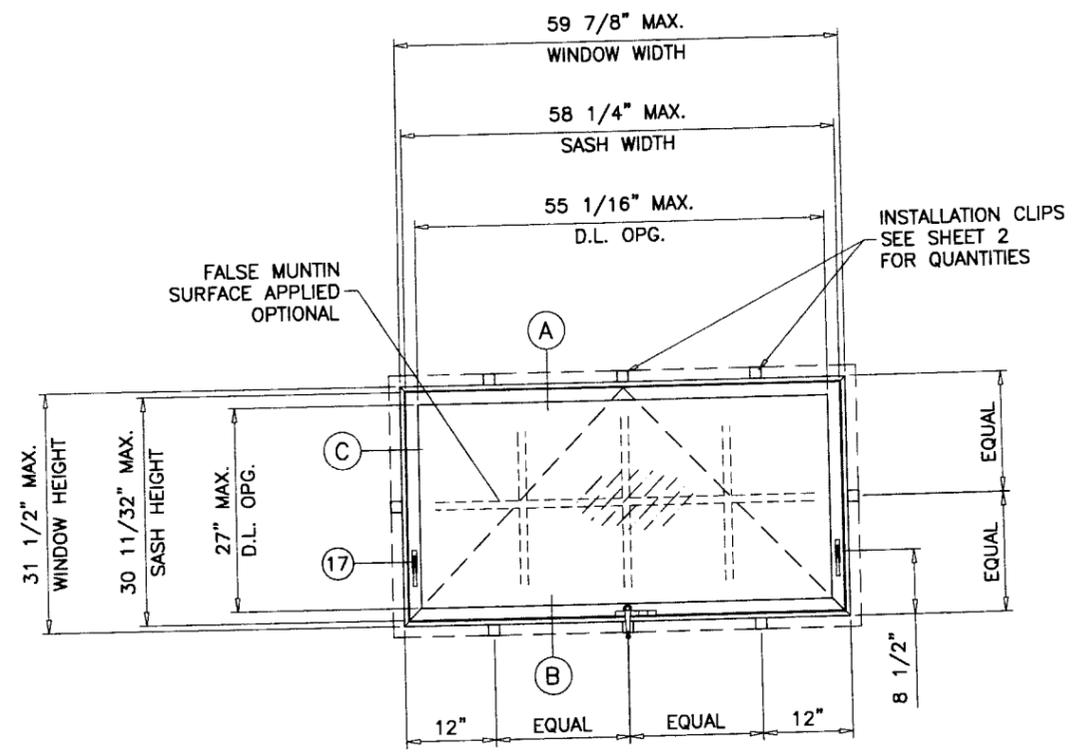
Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0222.12
Expiration Date: April 22, 2009
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DESIGN LOAD CAPACITY - PSF				
WINDOW DESCRIPTION	UNIT WIDTH INCHES	UNIT HT. INCHES	3/8" LAM. GLASS	
			EXT. (+)	INT. (-)
AR21	24-1/8"	17"	67.0	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
 A: ASTM E1300-98 (60 SEC. WIND)
 B: ASTM E1300-02 (3 SEC. GUSTS) WITH REDUCTIONS FOR FLEXIBLE SUPPORTS TO COMPLY WITH SECTION 2403.2 OF FBC 2004 EDITION.



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 EDITION (REV. 2005) 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 IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4 (SUPPLEMENT 2005).

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 06-0222/12
 Expiration Date: 04/22/09
 By: [Signature]
 Miami Dade Product Control Division

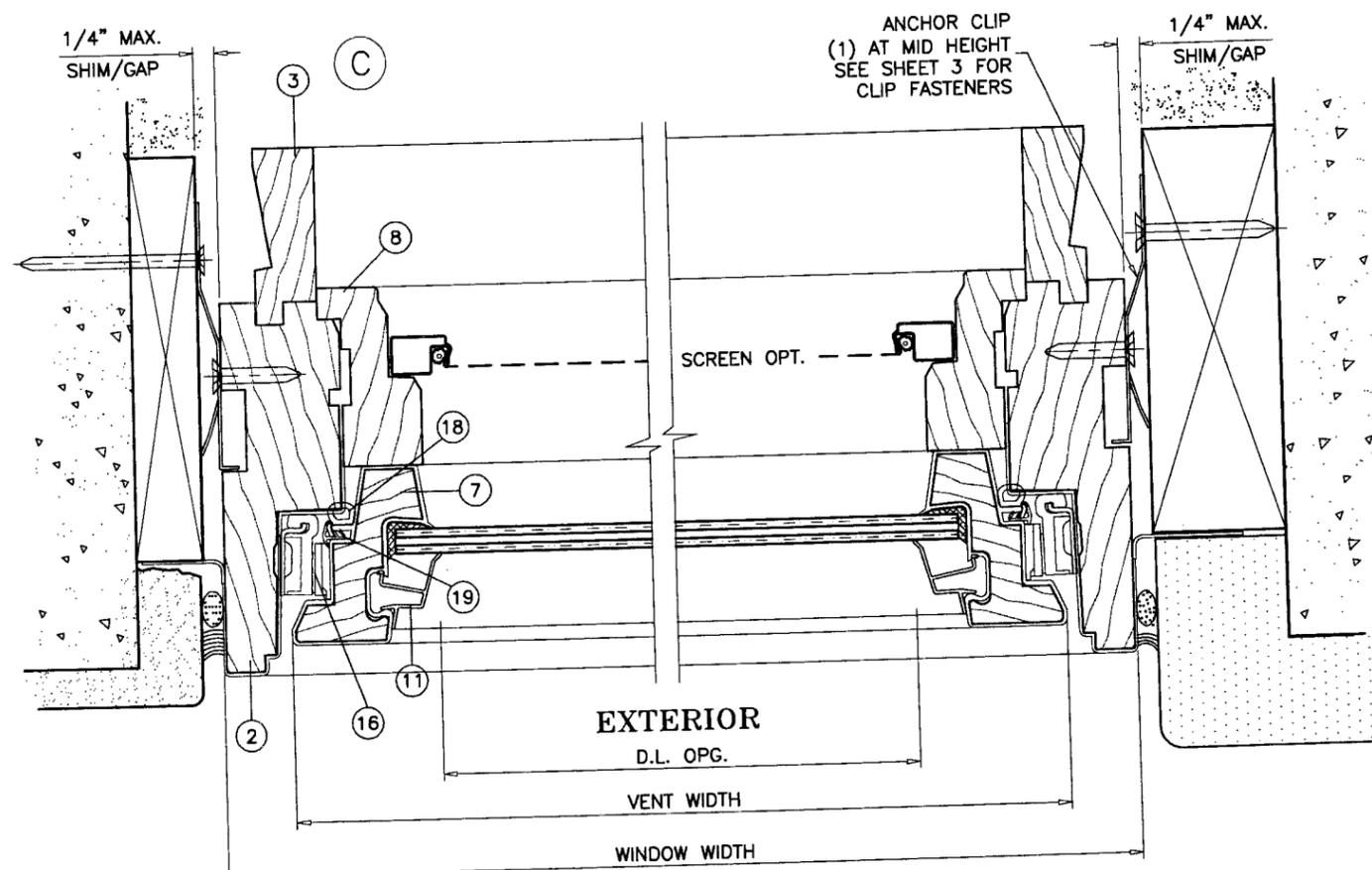
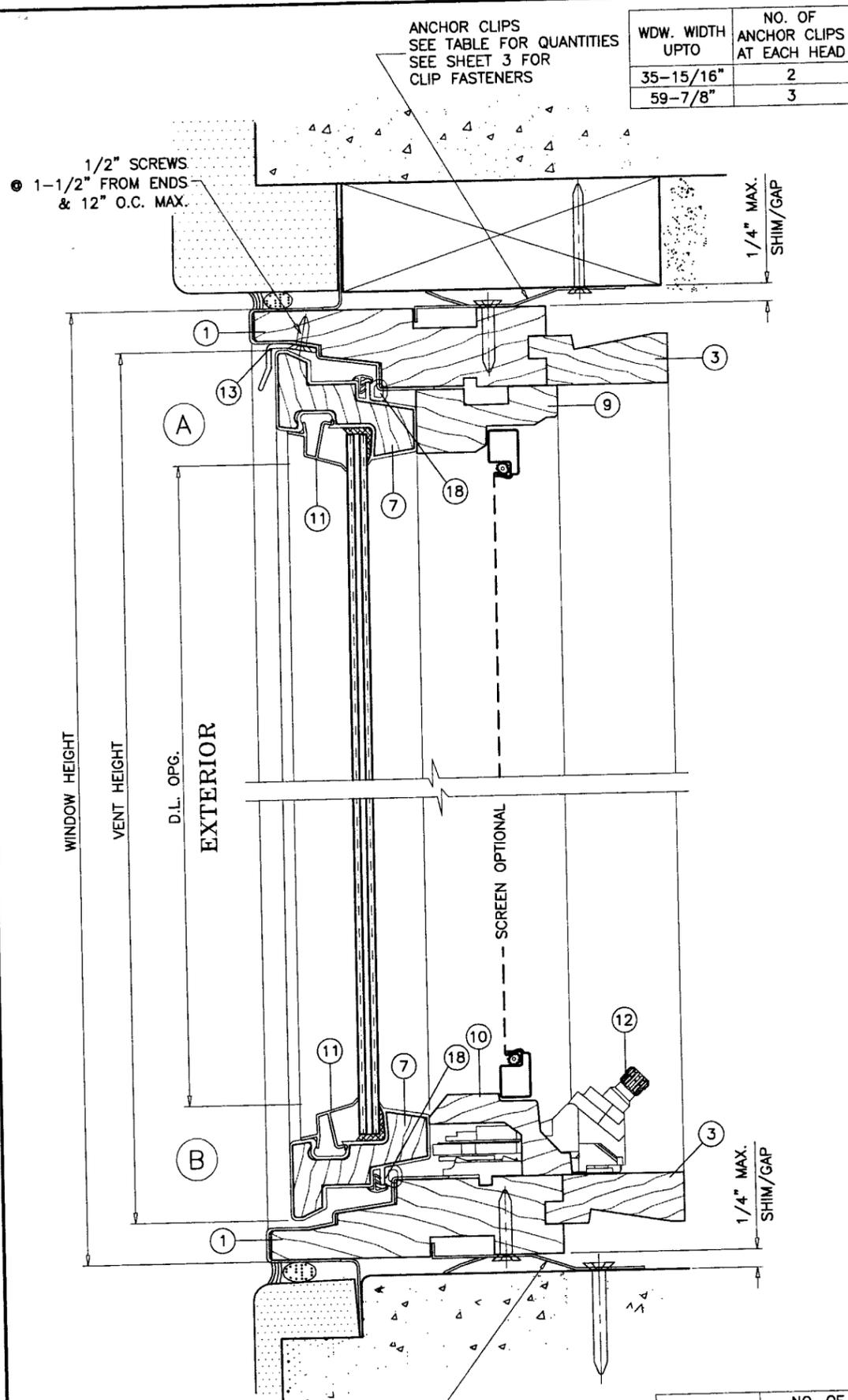
WINDOWS GLAZED WITH LAMINATED GLASS RATED FOR LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

Engr: DR. HUMAYOUN FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
 JUN 08 2006

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 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 (-)
 ANDERSEN AW

revisions:	no	date	by	description
	A	04.15.05		UPDATED FOR 2004 FBC
	B	06.02.06		REV. PER BCCO COMMENTS
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

- ANCHORS THRU INSTALLATION CLIPS**
- A: #8 SMS**
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-1/2" MIN. PENETRATION INTO WOOD
- B: 1/4" DIA. TAPCONS**
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-1/2" MIN. PENETRATION INTO WOOD
- THRU 1BY WOOD BUCKS INTO MASONRY OR DIRECTLY INTO MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY
(CONCRETE MIN. $f_c' = 3000$ PSI)

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as complying with the Florida
Building Code
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By: *[Signature]*
Miami Code Product Control
Division

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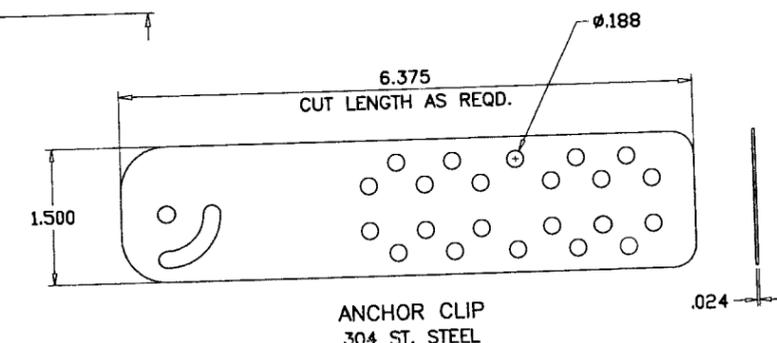
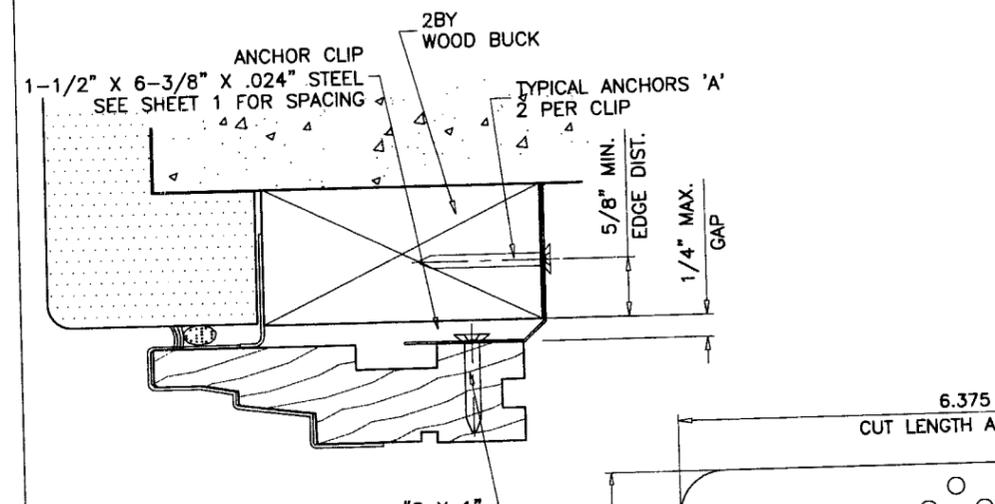
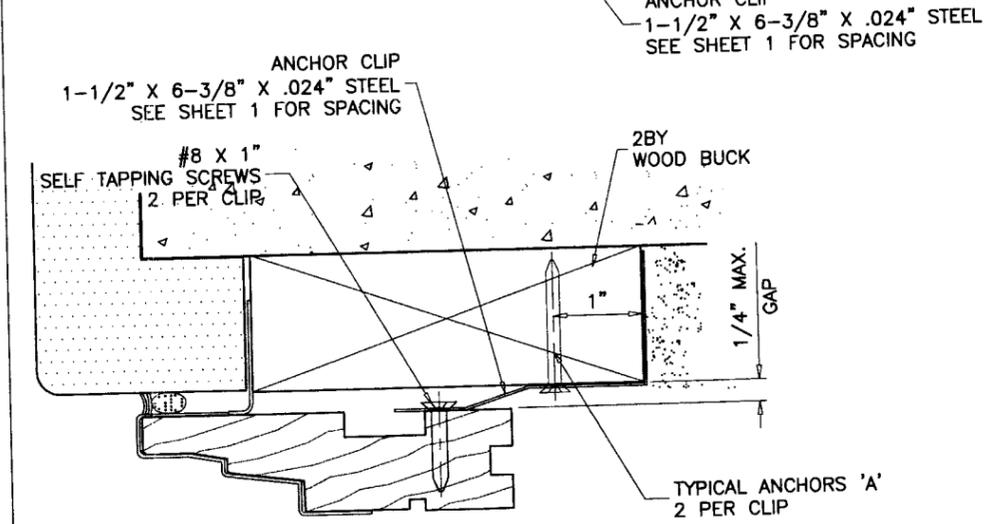
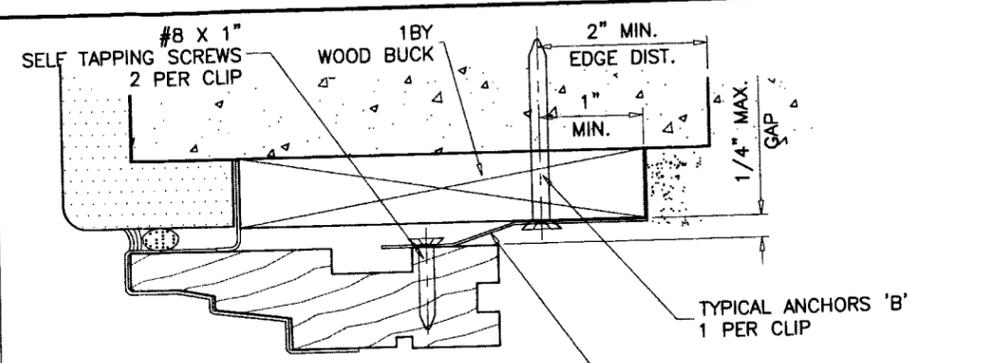
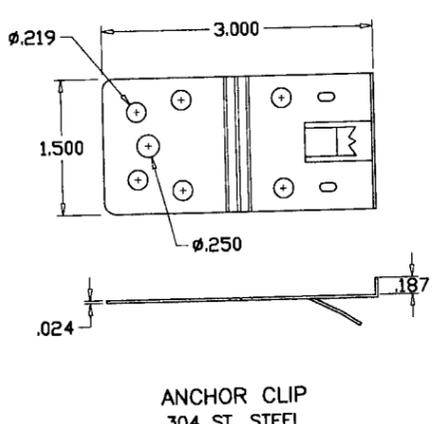
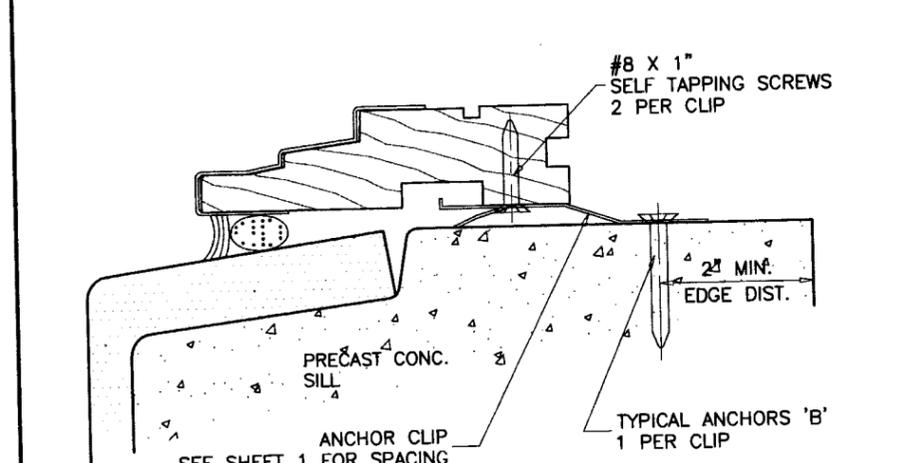
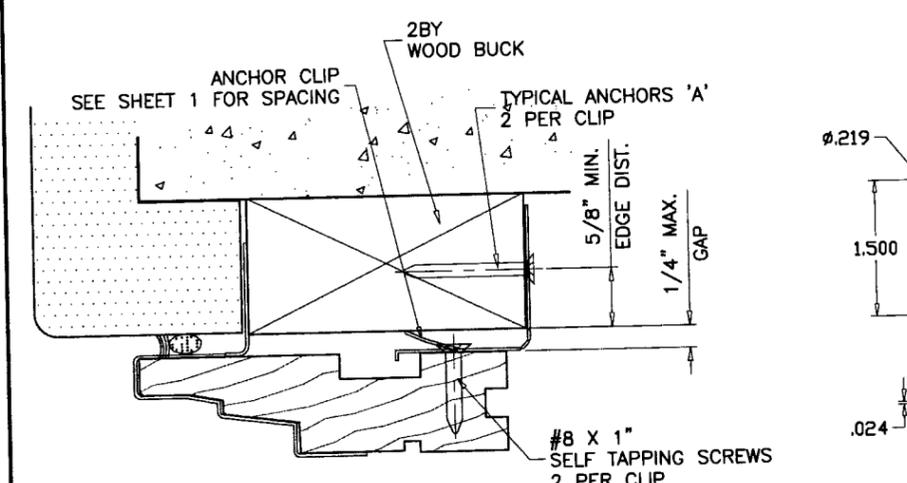
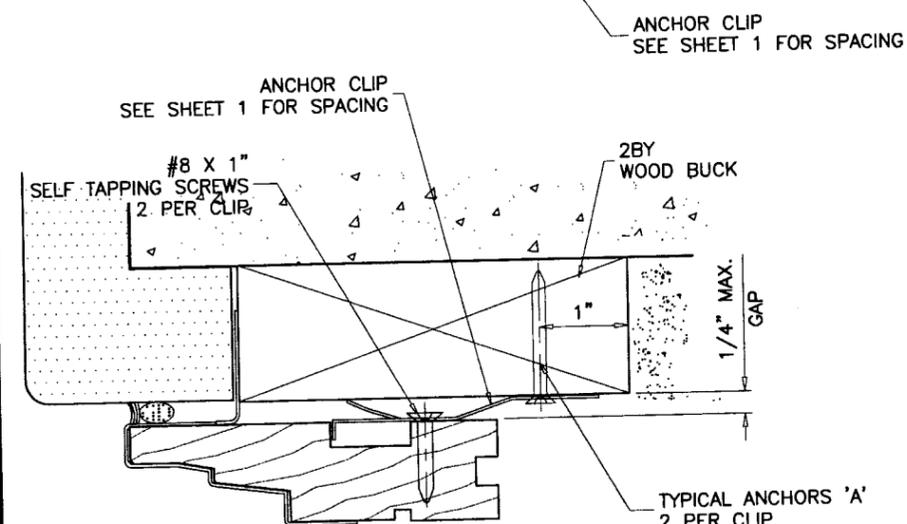
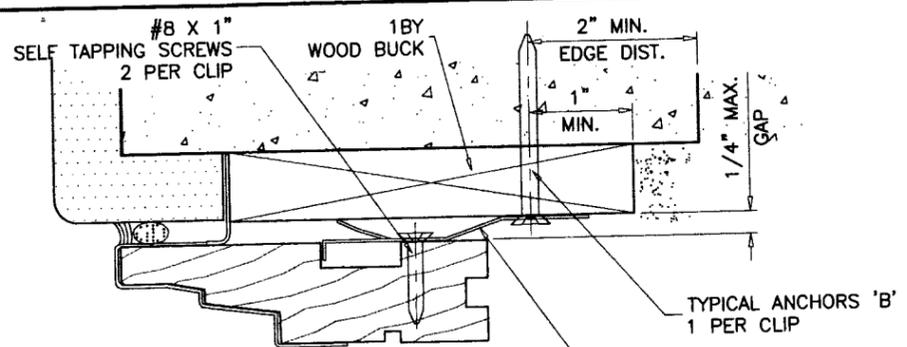
ANDERSEN CORPORATION
VINYL CLAD WOOD AWNING WINDOW (L.M.I.)
100 FOURTH AVE. NORTH
BAYPORT, MN. 55003-1096
TEL. (800) 426-7691 FAX (-)

revisions:

no	date	description
A	04.15.05	ANCHORS REV.
B	06.02.06	REV. PER BCCO COMMENTS

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

drawing no.
W02-09
sheet 2 of 4



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 Material Product Control
 Division

Engr. DR. HUMAYOUN FAROQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538
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CLIP INSTALLATION DETAILS

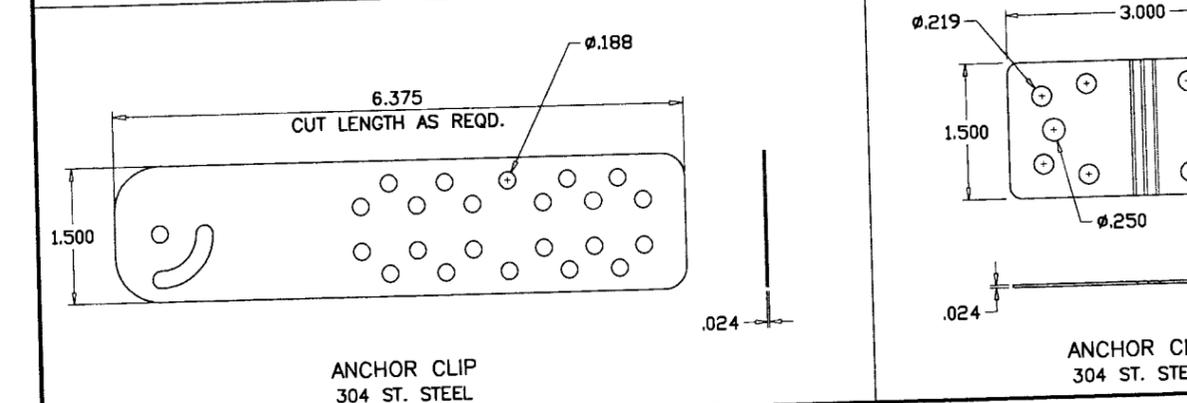
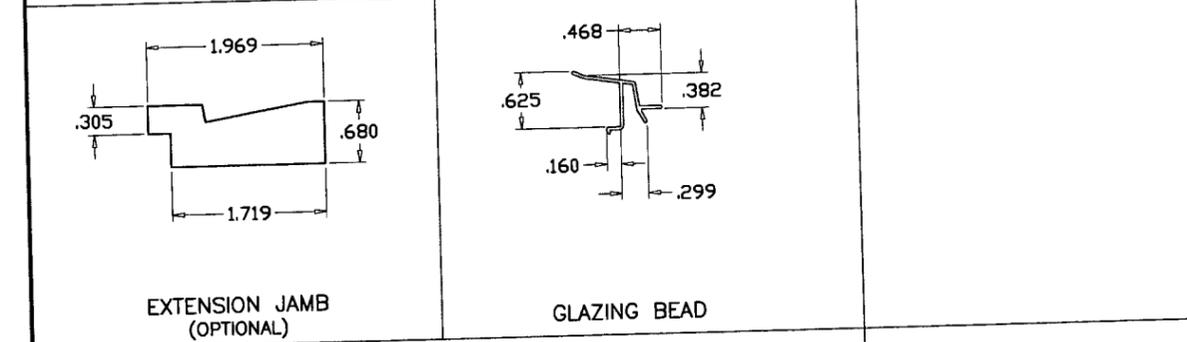
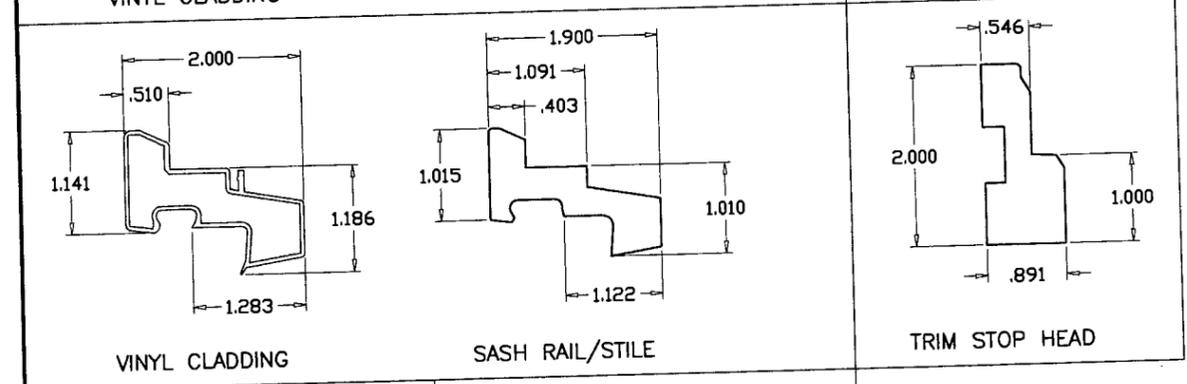
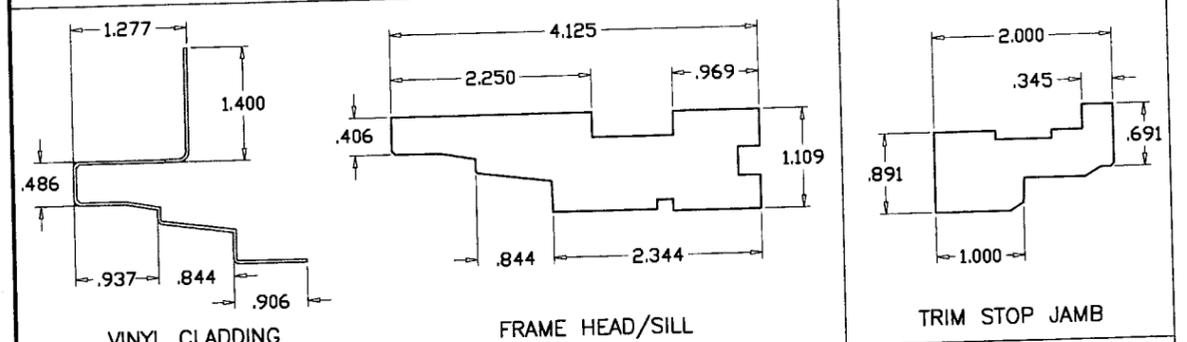
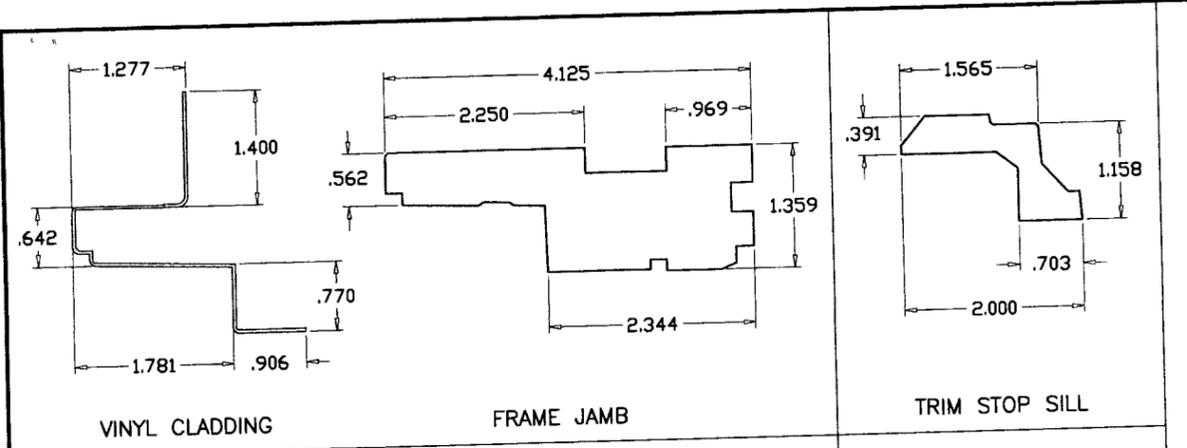
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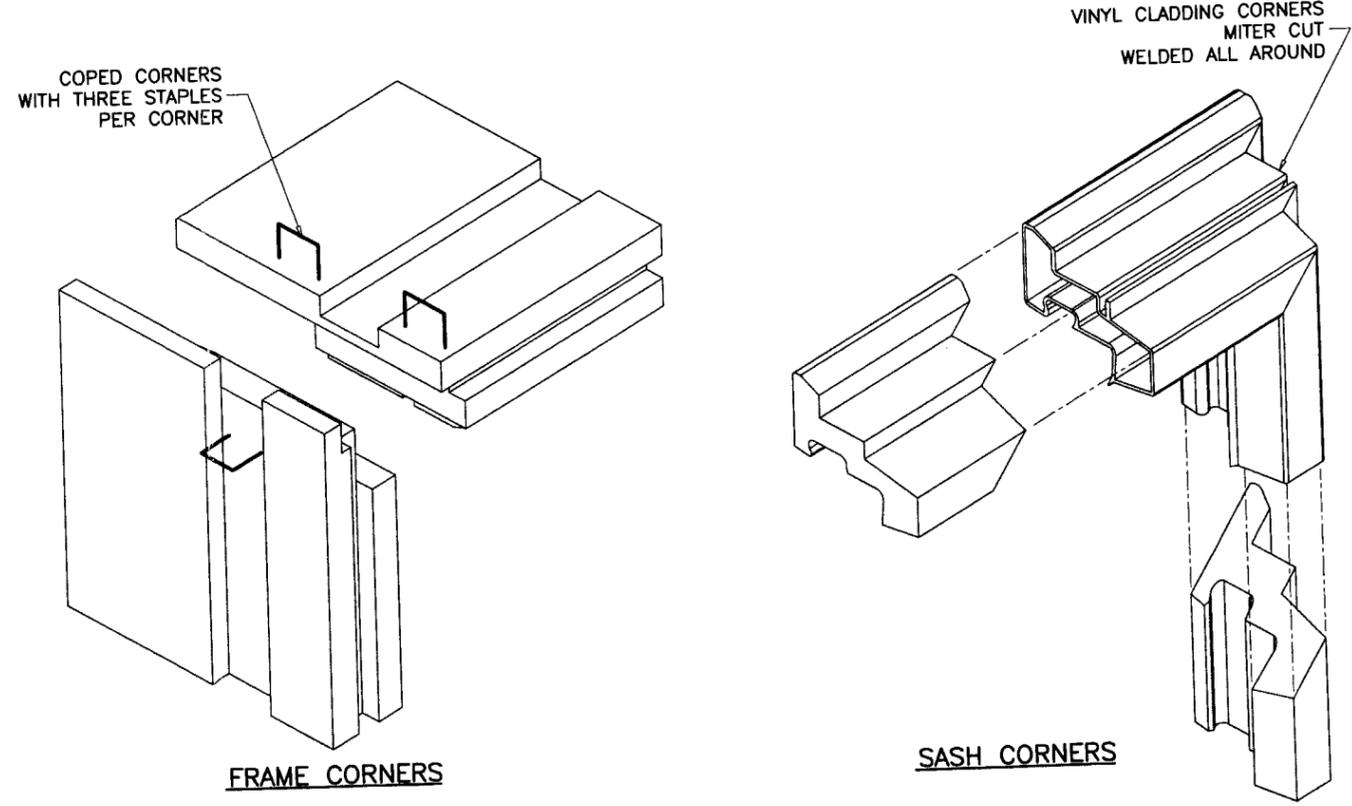
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 dr. by: HAMID
 chk. by:

drawing no.
W02-09
 sheet 3 of 4



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	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 HINGE ASSEMBLY 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



PRODUCT REVIEW
 as compliant with the Florida
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 By: *[Signature]*
 Miami-Dade Product Control
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Engr: DR. HUMAYOUN FAROOQ
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 sheet 4 of 4