



MIAMI-DADE
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
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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "Flexiframe 6050" Wood Fixed Window

APPROVAL DOCUMENT: Drawing No. **DADE-12050**, titled "Unit Assembly, Impact Flexiframe", sheets 1 through 3 of 3, prepared by manufacturer, dated 2/26/99, revised on 10/17/02, 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

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 **renews NOA # 00-1011.03** and, consists of this page 1 as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No 02-0919.12
Expiration Date: October 21, 2007
Approval Date: November 14, 2002
Page 1

Andersen Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWING

1. Manufacturer's die drawings and sections.
2. Drawing No. **DADE-12050**, titled "Unit Assembly, Impact Flexiframe", sheets 1 through 3 of 3, prepared by manufacturer, dated 2/26/99, revised on 10/17/02.

B. TESTS

1. Test reports on 1) Large Missile Impact Test per SFBC, PA 201-94.
2) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with marked-up drawing of a wood fixed window, prepared by Architectural Testing Inc. Test Report No. **ATI-02-32062.01**, dated 05/05/00 along with revised marked-up drawings, signed and sealed by Allen N. Reeves, P.E.

Submitted under file No. 99-0604.01

2. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
2) Uniform Static Air Pressure Test, Loading per SFBC, PA 20294.
3) Water Resistance Test, per SFBC, PA 202-94.
4) Large Missile Impact Test per SFBC, PA 201-94
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94
along with assembly & part drawing of a wood fixed window prepared by Architectural Testing, Inc., test report No. **02-31038.02**, dated 01/04/99, signed and sealed by A. N. Reeves, P.E

C. CALCULATIONS

Submitted under file No. 99-0604.01

1. Installation Analysis Report prepared by Richard Boyette, project # 99-0512 sheets 1 to 10 of 10, dated May 14, 1999, signed and sealed by R. Boyette PE.

D. STATEMENTS

1. Letter of Code Compliance, issued Richard Boyette PE. on 06/07/00, signed and sealed by R. Boyette, PE.
2. Laboratory Compliance Letter issued by Architectural Testing, Inc., dated 03/05/99, signed and sealed by Allen N. Reeves, P.E.
3. Letter from Andersen Corporation, dated 8/13/02, stating that the product has not changed since it was originally approved.



Manuel Perez, P.E.
Product Control Examiner
NOA No 02-0919.12

Expiration Date: October 21, 2007
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E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **98-0608.03** issued to E.I. DuPont DeNemours for "Sentry Glass Plus" dated 01/14/99, expiring on 01/14/02.
2. Notice of Acceptance No. **97-1224.07** issued to Solutia, Inc. for their "Polyvinyl Butyral Interlayer Saflex" dated 06/25/98, expiring on 01/09/00.

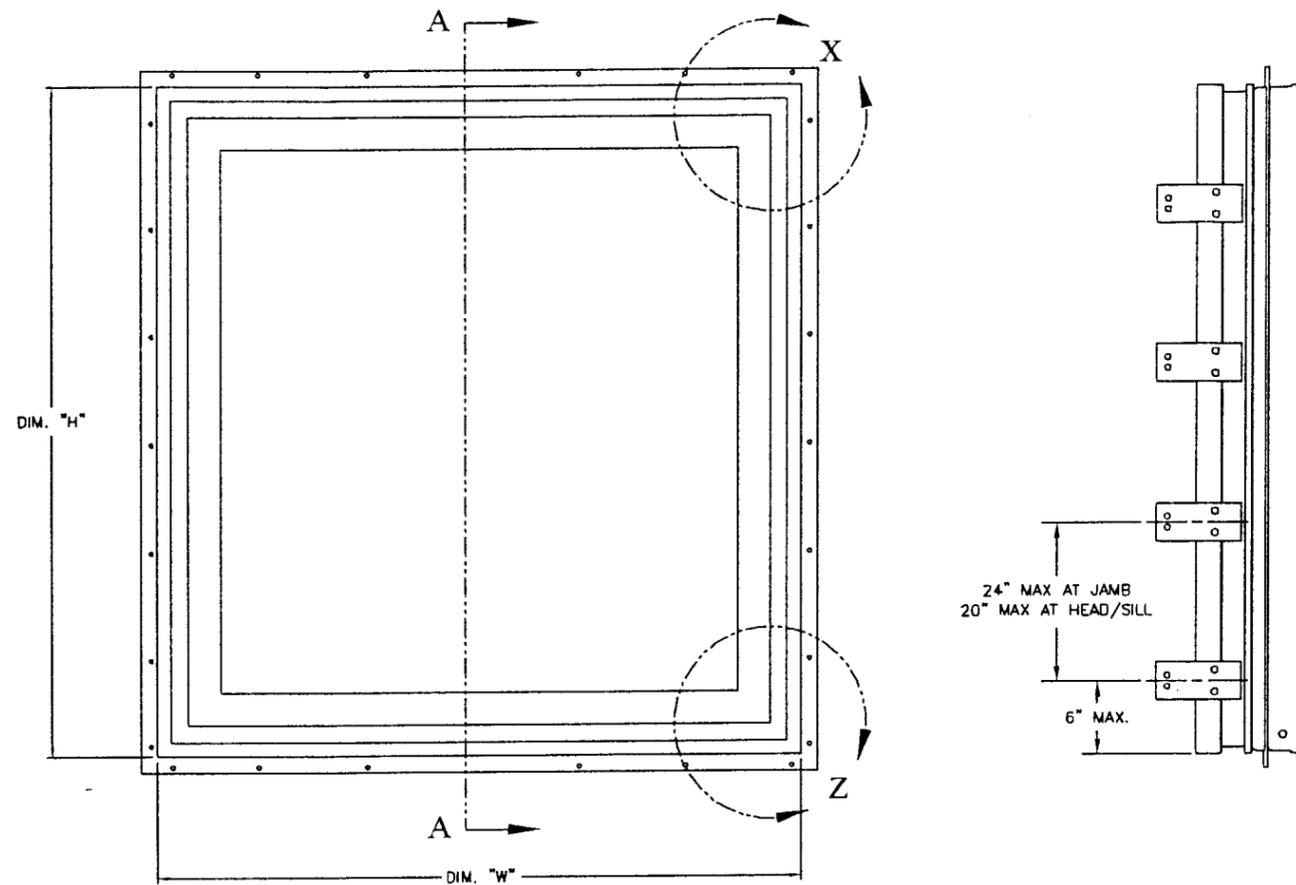
F. OTHER

1. Notice of Acceptance No. **00-1011.03**, issued to Anderson Corporation for their Flexiframe 6050 Windows Impact, approved on 5/31/01 and expiring on 10/21/02.



Manuel Perez, P.E.
Product Control Examiner
NOA No 02-0919.12

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FRAME FASTENERS LIST		
A/R	DESCRIPTION	LOCATION
A/R	CLIP, INSTALL KIT (4) 1-1/4" X #8 SHEETROCK SCREWS	SECURES CLIP TO UNIT AND TO OPENING
BEAD	BED GLAZ. & BACK GLAZ.	SEALS GLASS TO FRAME
BEAD	SILICONE SEALANT	SEALS MITERED JAMB CORNERS
A/R	NAILS, 1-1/2" X 16 GA 8" O.C.	FASTENS GLASS STOPS TO FRAME
BEAD	GLUE	FASTENS FRAME COVER TO FRAME
8	(2) SCREWS, #8 X 5/8"/CORNER	FASTENS CORNERLOCKS TO FRAME
12	#6 X 2" SCREW	FASTENS FRAME CORNERS
QTY.	DESCRIPTION	LOCATION

ANDERSEN MANUFACTURES FLEXIFRAME CUSTOM SIZES AND SHAPES UP TO A MAX OF 27 SQ.FT.
TO DETERMINE THE SQUARE FOOTAGE USE DIM."W" X DIM."H".

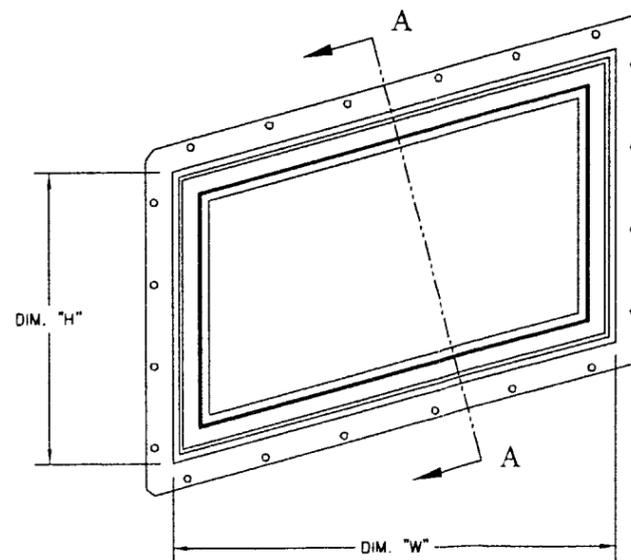
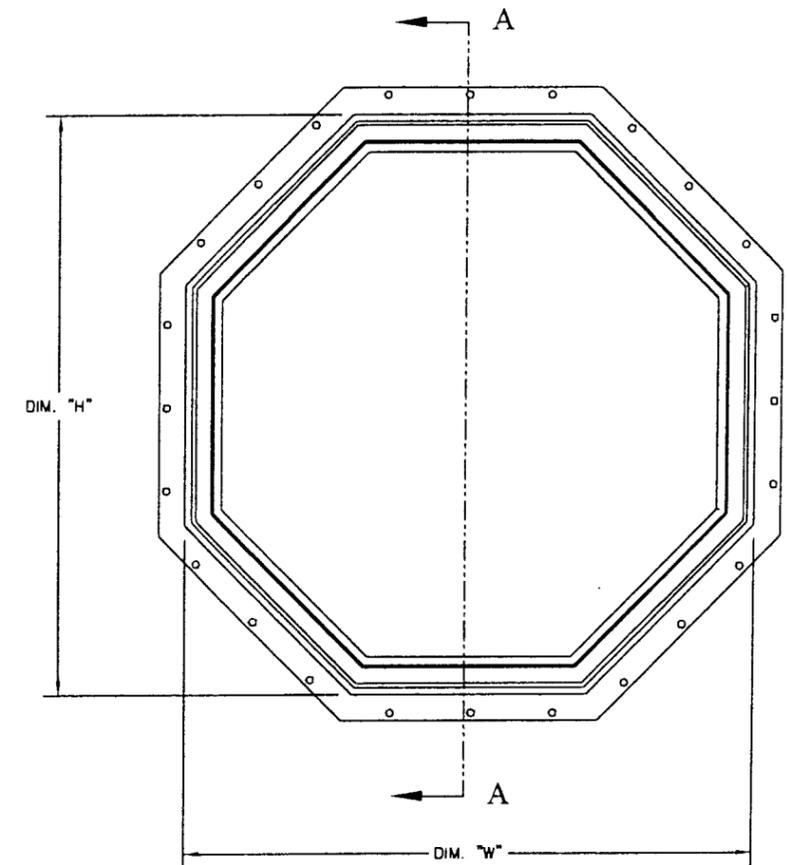
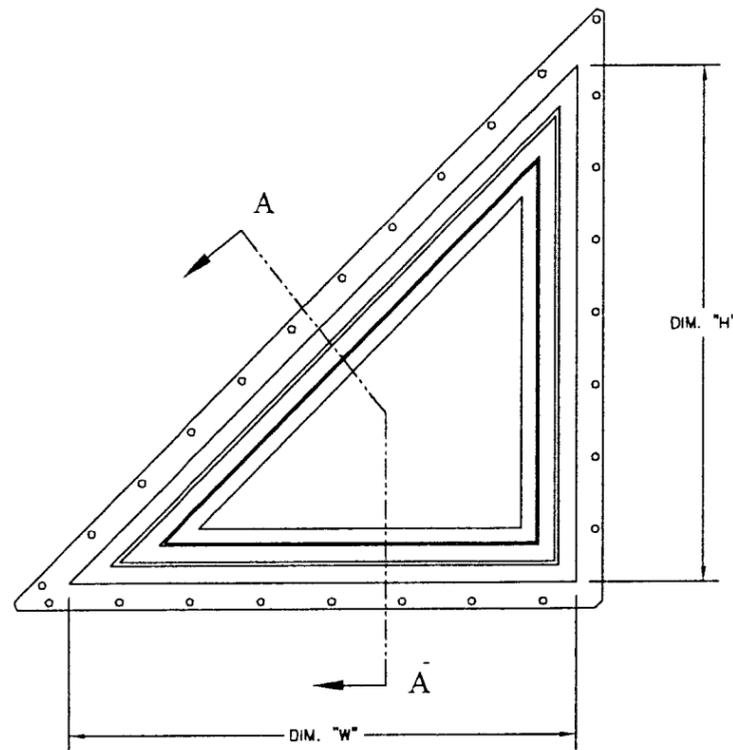
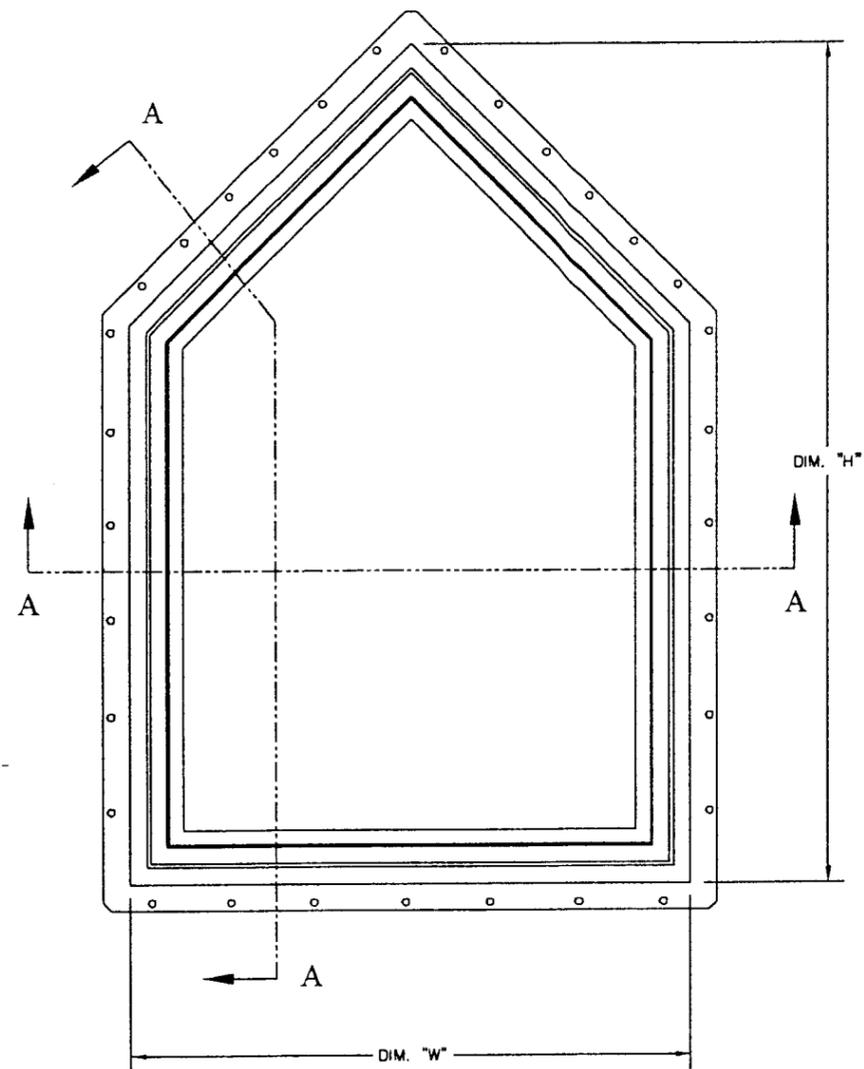
NOTES:

- INSTALLATION METHODS:
WOOD BUCK: INSTALLATION FLANGES ARE APPLIED. UNIT IS SECURED TO OPENING WITH INSTALLATION CLIPS. CLIPS ARE LOCATED A MAXIMUM OF 6" FROM CORNERS AND A MAXIMUM OF 24" O.C AT JAMBS AND 20" O.C AT HEAD/SILL. CLIPS ARE FASTENED WITH (4) #8 X 1-1/2" SCREWS, (2) PER SIDE. A MINIMUM OF 1 CLIP PER SIDE IS REQUIRED. THE PROVIDED CLIP SPACING REQUIREMENTS ASSURE ADEQUATE INSTALLATION FOR MAXIMUM DP PERFORMANCE.
MASONARY: TAPCON SPACING AND LOCATION TO BE THE SAME AS WOOD SCREW SPACING AND LOCATION.
- STRUCTURAL DESIGN PRESSURE RATINGS FOR UP TO 27 Sq.Ft. UNIT SIZE = +67/-71 PSF. AREA OF WINDOW SHALL NOT EXCEED 27 SF.
- GLAZING SPECIFICATIONS:
HEAT STRENGTHENED: THE UNITS UTILIZE 3/8" (.391") THICK LAMINATED GLASS FABRICATED & COMPOSED OF TWO NOMINAL 5/32" HEAT-STRENGTHENED SHEETS AND A .090" PVB BY SOLUTIA OR DUPONT GRAY OR CLEAR INNER LAYER.
ANNEALED: THE UNITS UTILIZE 17/32" (.532") THICK LAMINATED GLASS FABRICATED & COMPOSED OF TWO NOMINAL 1/4" ANNEALED SHEETS AND A .090" PVB BY SOLUTIA OR DUPONT GRAY OR CLEAR INNER LAYER.
GLAZING METHOD: GLASS IS SET FROM THE INTERIOR AGAINST THE SILICONE BED GLAZING AND BACK GLAZING. WOOD STOPS ARE POSITIONED AT THE INTERIOR AND SECURED WITH 1-1/2" LONG 15 GA. NAILS SPACED 8" O.C.. A SILICONE FILLET BEAD IS APPLIED ON THE EXTERIOR OF THE ARCH HEAD JAMBS. SILICONE BY DOW CORNING DC983-2 OR DC9-1350.
- FRAME CONSTRUCTION:
FRAME MEMBERS CONSIST OF MOLDED PINE. THE JAMBS & SILL CONTAIN A REINFORCED FIBERGLASS CLADDING THAT IS SNAPPED & GLUED TO THE WOOD FRAME MEMBERS. THE FRAME CORNERS WERE MITERED, SEALED WITH SILICONE, & SECURED THROUGH THE WOOD WITH THREE 2" LONG FLATHEAD SCREWS PER CORNER. INJECTION MOLDED PLASTIC CORNER KEYS ARE POSITIONED AT EACH CORNER, SECURING THE EXTERIOR CLADDING. THE ANGLED FRAME CORNERS CONTAIN ADJUSTABLE CORNER KEYS & THE 90° FRAME CORNER KEYS ARE ONE-PIECE NON ADJUSTING. TWO 5/8" STAINLESS SCREWS PER CORNER SECURE THE CLADDING & THE CORNER KEYS.
- GLASS BITE = .750".
- UNIT CROSS-SECTION IS CONSISTANT THROUGHOUT EACH UNIT.
- SPACING OF CLIPS ARE BASED ON A MAXIMUM ALLOWABLE LOAD OF 311 lbs/CLIP WITH (4) #8 X 1-1/2" SHEETROCK SCREWS AND 1-1/4" MIN. PENETRATION INTO S.Y.P.

Approved as complying with the
Florida Building Code
Date NOV. 14, 2002
NOA# 02-0919.12
Miami Dade Product Control
Division
By *[Signature]*

TITLE	
UNIT ASSEMBLY, IMPACT FLEXIFRAME	
Andersen Corporation Bayport, Minnesota 55003	
THESE DRAWINGS ARE PROVIDED AS A SERVICE BY ANDERSEN CORPORATION FOR THE BENEFIT OF ITS CUSTOMERS. FINAL RESPONSIBILITY FOR ACCURACY OF DESIGN, FINAL SPECIFICATIONS, DRAWINGS AND FOR THE ACTUAL INSTALLATION SUGGESTED BY THESE DRAWINGS LIES WITH THE ARCHITECT, ENGINEER AND/OR CONTRACTOR.	
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APPROVE/DATE	DRAWING NUMBER
2-26-99	DADE-12050
SHT. 1 OF 3	

BB	10/17/02
REV	DATE



NOTES:

- B. ASSEMBLY CONSTRAINTS CONSIST OF THE FOLLOWING:
- MAY NOT HAVE ANY ANGLES LESS THAN 14°.
- NO LEG MAY BE LESS THAN 6" OR MORE THAN 120"
- MAXIMUM WIDTH ON SHORT LEG MAY NOT EXCEED 84"

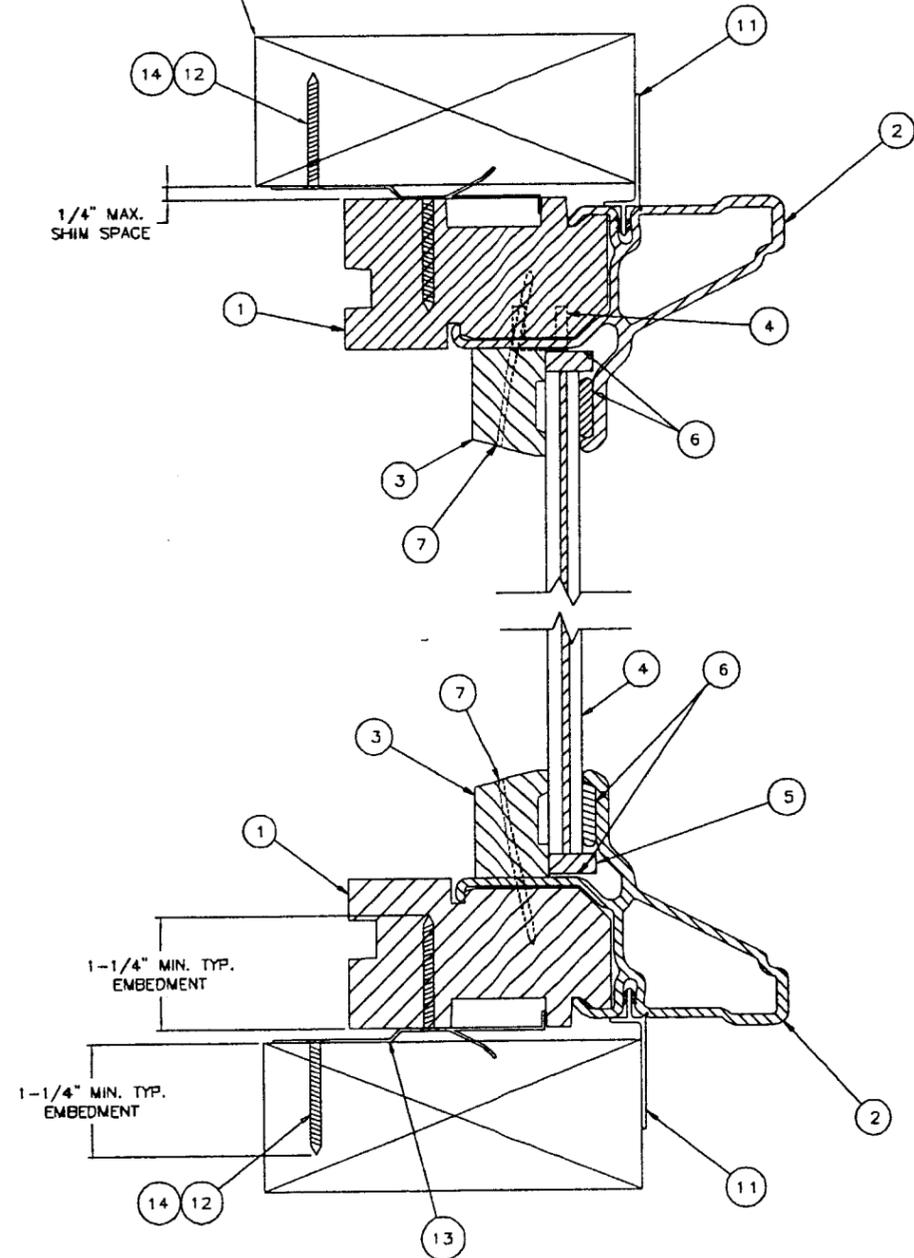
Approved as complying with the
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 Date NOV. 14, 2002
 NOA# 02-0919.12
 Miami Dade Product Control
 Division
 By *Manuel Perez*

TITLE	
UNIT ASSEMBLY, IMPACT FLEXIFRAME	
Andersen Corporation Boyport, Minnesota 55003	
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APPROVE/DATE	DRAWING NUMBER
2-26-99	DADE-12050
SHT. 2 OF 3	

REV	DATE
BB	10/17/02

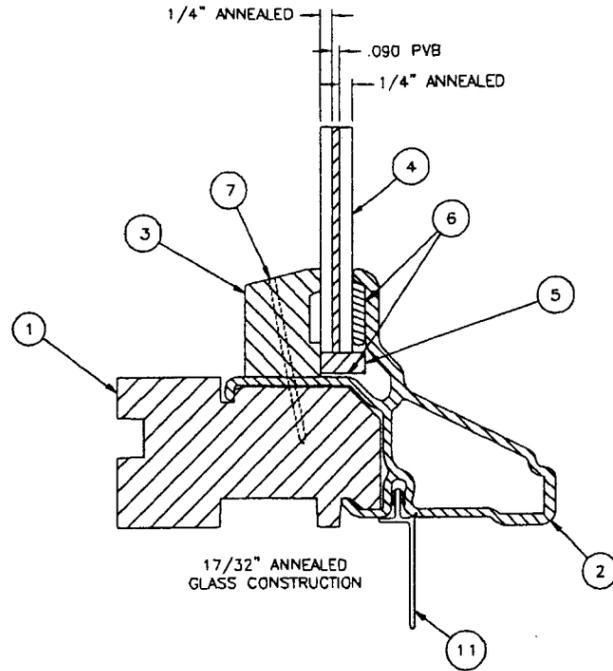
2" X 4" MINIMUM
S.Y.P. OR BETTER
OR MASONRY

1/4" MAX.
SHIM SPACE



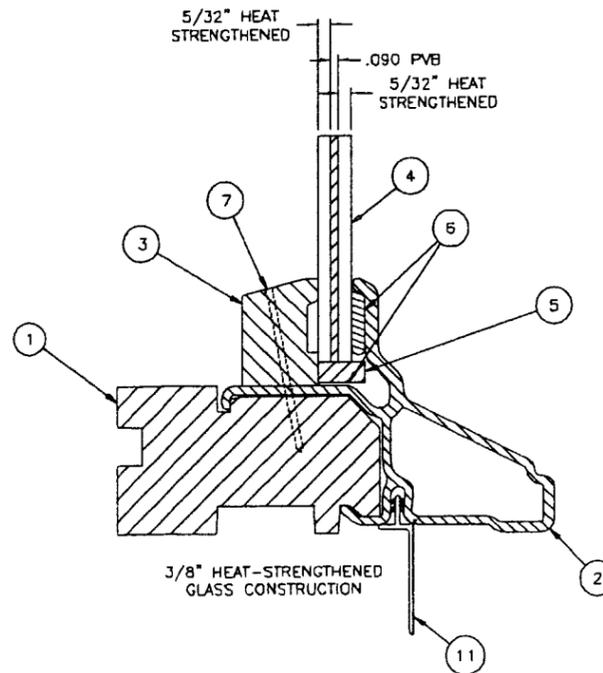
SECTION A-A

1/4" ANNEALED
.090 PVB
1/4" ANNEALED



17/32" ANNEALED
GLASS CONSTRUCTION

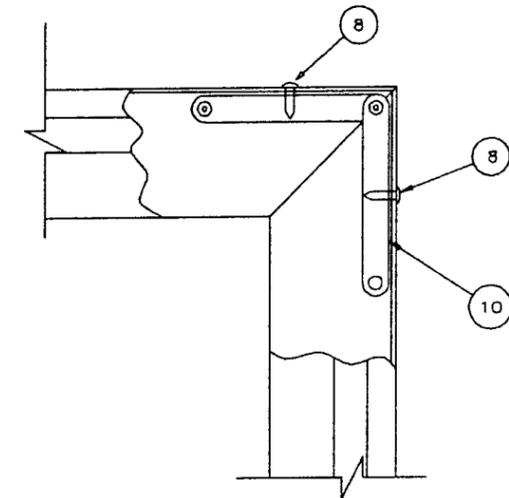
5/32" HEAT
STRENGTHENED
.090 PVB
5/32" HEAT
STRENGTHENED



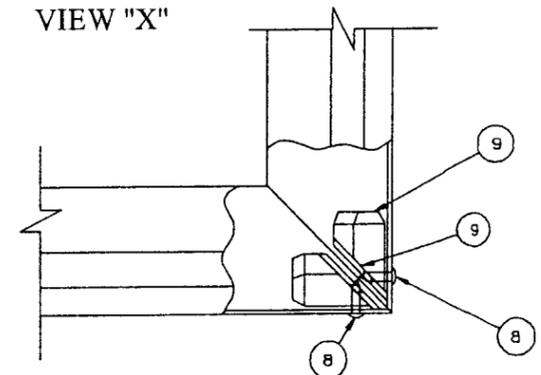
3/8" HEAT-STRENGTHENED
GLASS CONSTRUCTION

ITEM NO.	DESCRIPTION	DRAWING	MATERIAL	HEIGHT	WIDTH
14	1/4" DIAMETER APCON	-	STEEL	-	-
13	CLIP, INSTALLATION	3270217	STEEL	-	-
12	SHEETROCK SCREWS, #8 X 1-1/2"	3621074	STEEL	-	-
11	FLANGE, SIDES & SILL	24136	VINYL	1.644	0.430
10	CORNERLOCK, ADJUSTABLE	11027	PLASTIC	3.750	0.771
9	CORNERLOCK - 90'	11029	PLASTIC	1.750	1.750
8	(2) SCREW, #8 X 5/8" /CORNER	3621000	STAINLESS STEEL	-	-
7	NAIL, 1-1/2" X 16 GA. 8" O.C.	4220149	STEEL	-	-
6	SEALANT, SILICONE BED & BACK GLAZ.	MOS0012/42	SILICONE	-	-
5	SPACER, GLASS	20065	VINYL	1.000	0.425
4	GLASS, LAMINATED CLEAR/GRAY	04170/04171	-	-	-
3	STOP, GLASS	12015	WOOD	1.000	0.719
2	COVER, FRAME	11024	PULTRUDED	2.390	3.145
1	JAMB, SILL	11023	WOOD	1.391	2.500

DRAWING REFERENCE LIST



VIEW "X"



VIEW "Z"

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NGA# 02-0919.12
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By *Manuel Perez*

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BB	10/17/02

TITLE
UNIT ASSEMBLY, IMPACT
FLEXIFRAME

Andersen Corporation
Boyert, Minnesota 55003

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2-26-99

DRAWING NUMBER
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SHT. 3 OF 3