



**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 Ave. North
Bayport, MN 55003-1096**

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 "Permashield" Vinyl Clad Outswing Wood Casement Window

APPROVAL DOCUMENT: Drawing No. **30801-DADE** titled "Unit Assembly –Venting Casement C-15 and CXW-16 Units", sheets 1 through 2 of 2, dated 5/23/00, prepared by manufacturer, signed and sealed by Richard Boyette, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

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 # 99-0806.03** 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 03-0415.14
Expiration Date: June 22, 2008
Approval Date: May 15, 2003
Page 1**

Andersen Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **30801-DADE** titled "Unit Assembly –Venting Casement C-15 and CXW-16 Units", sheets 1 through 2 of 2, dated 5/23/00, prepared by manufacturer, signed and sealed by Richard Boyette, P.E.

B. TESTS

Submitted under NOA#99-0806.03

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with installation diagram of Model CXW16 single panel vinyl clad wood casement windows (3' x 6') marked-up by Architectural Testing Inc., Test Report No. **ATI-02-31165.01**, dated 01/28/99, signed and sealed by Allen N. Reeves, 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 20294
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
along with installation diagram of Model C15 single panel vinyl clad wood casement windows (2' x 6') marked-up by Architectural Testing Inc., Test Report No. **ATI-02-31166.01**, dated 01/28/99, signed and sealed by Allen N. Reeves, P. E.

C. CALCULATIONS

1. Anchor calculations and comparative analysis, dated 4/11/03.
Submitted under NOA#99-0806.03
2. Anchor calculations and comparative analysis, Project #99-0620, dated June 23, 1999, with revision #1 dated May 18, 2000, prepared, signed and sealed by Richard Boyette, P.E.

D. MATERIAL CERTIFICATIONS

1. None



Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0415.14
Expiration Date: June 22, 2008
Approval Date: May 15, 2003

Andersen Corporation

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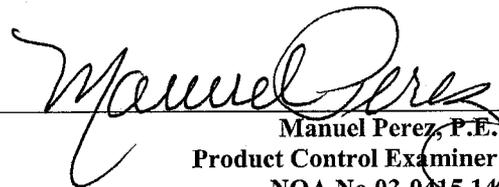
(For File ONLY. Not part of NOA)

E. STATEMENTS

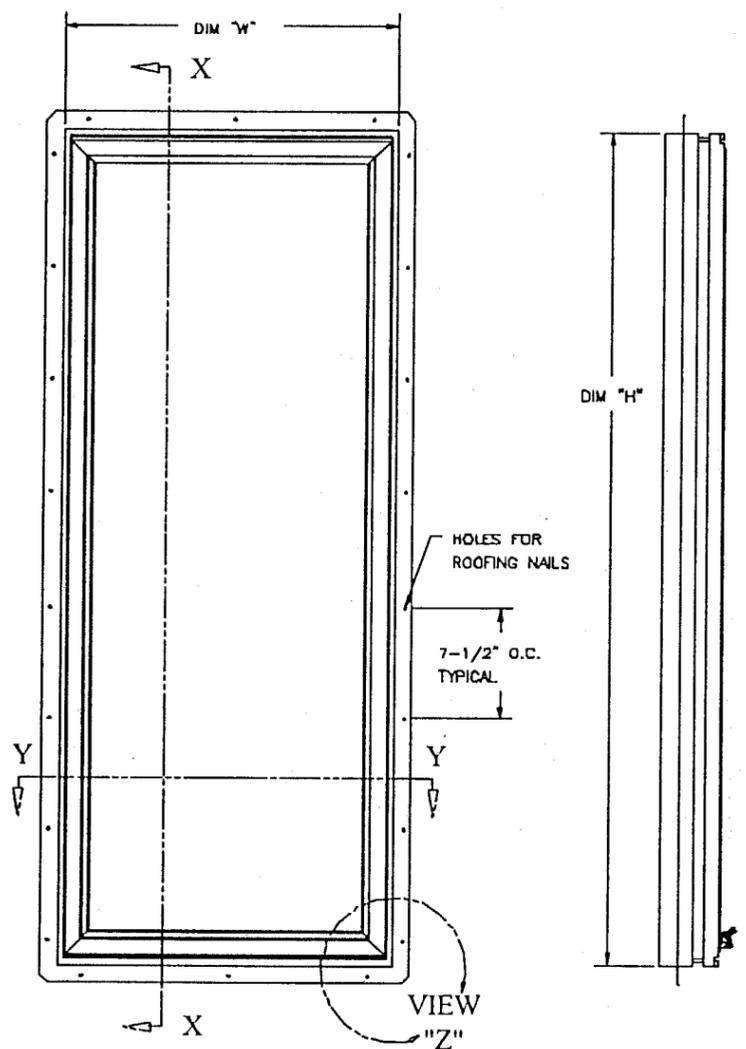
1. Statement letter of no change, issued by Andersen Corporation, signed by Chris Richner, dated 4/10/03.

F. OTHER

1. Notice of Acceptance No. **99-0806.03** Andersen Corporation, Series "Permashield" Vinyl Clad Outswing Wood Casement Window, approved on 6/22/00 and expiring on 6/22/03.



Manuel Perez, P.E.
Product Control Examiner
NOA No 03-0415.14
Expiration Date: June 22, 2008
Approval Date: May 15, 2003



CXW16	+34/-34
CXW155	+38/-38
CXW15	+41/-41
CXW145	+47/-47
CXW14	+52/-52
CXW135	+43/-43
CXW13	+55/-55
CW15	+44/-44
CW155	+48/-48
CW15	+52/-52
CW145	+60/-60
CW14	+68/-68
CW135	+47/-47
CW13	+58/-58
CN125	+100/-100
CN12	+100/-100
CN16	+57/-57
CN155	+64/-64
CN15	+70/-70
CN145	+41/-41
CN14	+48/-48
CN135	+57/-57
CN13	+68/-68
CN125	+100/-100
CN12	+100/-100
CR18	+66/-66
CR155	+75/-75
CR15	+82/-82
CR145	+47/-47
CR14	+53/-53
CR135	+65/-65
CR13	+78/-78
CR125	+100/-100
CR12	+100/-100
C16	+49/-49
C155	+56/-56
C15	+62/-62
C145	+38/-38
C14	+48/-48
C135	+51/-51
C13	+62/-62
C125	+100/-100
C12	+100/-100
UNIT DES.	DESIGN PRESSURE RATINGS

ITEM	QTY.	DESCRIPTION	LOCATION
Q	12-28	NAILS, 1-5/8" ROOFING	FASTENS UNIT INTO OPENING THROUGH FLANGES
P	4-5	NAIL, 1-1/2" LONG 18 GAGE	FASTENS STOPS TO FRAME
N	3	SCREW, #8 X 1-3/16" LONG	FASTENS OPERATOR TO SILL JAMB
M	2 OR 4	SCREW, #8 X 5/8" LONG	FASTENS KEEPER(S) TO SASH
K	1	SCREW, #7 X 1-1/4" LONG	FASTENS SASH BRACKET TO SASH
J	2	SCREW, #7 X 5/8" LONG	FASTENS SASH BRACKET TO SASH
H	BEAD	SILICONE SEALANT	BONDS GLASS TO SASH
G	1-3	SCREW, #8 X 9/16" LONG	INTERACTS WITH SNUGGER BRACKET
F	2	SCREW, #8 X 5/8" LONG	STOPS SASH MOVEMENT AT 90 DEGREES
E	12	SCREW, #8 X 5/8" LONG	FASTENS HINGE TO FRAME & SASH
D	1-3	SCREW, #7 X 3/4" LONG	FASTENS SNUGGER BRACKET TO FRAME
C	BEAD	GLUE	BONDS FRAME COVER TO JAMBS
B	4-14	STAPLE, 5/16" X 1/4" X 18 GA.	FASTENS EDGE OF FRAME COVER TO JAMBS
A	12	STAPLE, 1/2" X 2" X 18 GA.	FASTENS SIDE JAMBS TO HEAD/SILL JAMBS

FRAME & SASH FASTENERS LIST

UNIT DESIGNATION	CXW16	CXW155	CXW15	CXW145	CXW14	CXW135	CXW13	35.938	
CW16	CW155	CW15	CW145	CW14	CW135	CW13	CW125	CW12	28.375
C16	C155	C15	C145	C14	C135	C13	C125	C12	24.125
CN18	CN155	CN15	CN145	CN14	CN135	CN13	CN125	CN12	20.500
CR18	CR155	CR15	CR145	CR14	CR135	CR13	CR125	CR12	17.000
UNIT DESIGNATION									"W"

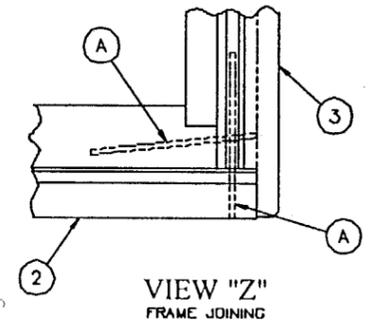
UNIT DESIGNATION	CR16	CN16	C16	CW16	CXW16	71.875
CR155	CN155	C155	CW155	CXW155	64.812	
CR15	CN15	C15	CW15	CXW15	59.875	
CR145	CN145	C145	CW145	CXW145	52.812	
CR14	CN14	C14	CW14	CXW14	48.000	
CR135	CN135	C135	CW135	CXW135	40.812	
CR13	CN13	C13	CW13	CXW13	35.938	
CR125	CN125	C125	CW125		28.375	
CR12	CN12	C12	CW12		24.125	
UNIT DESIGNATION						"H"

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. _____
 Expiration Date _____

By _____
 Miami Dade Product Control
 Division

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE June 22, 2008
 BY Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 97-0806-03

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 03-0415.14
 Expiration Date JUNE 22, 2008
 By Manuel Perez
 Miami Dade Product Control
 Division



- NOTES:
- INSTALLATION METHODS:**
 THE SPECIMEN WAS INSTALLED INTO A GRADE 2 SPF 2" BY 6" WOOD BUCK. THE NAILING FLANGE WAS SECURED USING 1-3/4" ROOFING NAILS SPACED 2" FROM THE ENDS AND 7-1/2" ON CENTER, USING THE PRE-DRILLED HOLES PROVIDED FOR PROPER QUANTITY PER UNIT.
 - STRUCTURAL DESIGN PRESSURE RATINGS ARE SPECIFIED ON CHART.**
 - GLAZING SPECIFICATIONS:**
 THE PANELS UTILIZE NOMINAL 5/8" INSULATED GLASS, FABRICATED AND COMPOSED FROM ONE 1/8" HEAT-STRENGTHENED EXTERIOR SHEET AND ONE 1/8" ANNEALED INTERIOR SHEET WITH A .386" DESICANT FILLED SPACER SYSTEM.
- GLAZING METHOD:**
 GLASS IS SET FROM THE EXTERIOR AGAINST THE SILICONE BED ON SASH WHILE FIXTURED FOR SQUARENESS. SPACERS ARE ADDED BETWEEN GLASS EDGE AND SASH. THEN GLAZING BEADS ARE SNAPPED IN PLACE.
- FRAME CONSTRUCTION:**
 FRAME MEMBERS CONSIST OF MOLDED PINE. FIXTURING HOLDS ALL JAMBS SQUARE WHILE THREE STAPLES JOIN EACH CORNER TOGETHER. THE VINYL CLADDING, WITH STRUCTURAL GLUE APPLIED, IS THEN PLACED ONTO THE FRAME. THE FRAME AND VINYL CLADDING ARE SQUEEZED UNDER A PRESS FOR A MINIMUM OF 3 SECONDS. EVENLY SPACED STAPLES ARE ADDED TO THROUGH INSIDE EDGE OF THE VINYL INTO THE FRAME.
 - GLASS BITE = .515"**
 - MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS ARE REQUIRED FOR INSTALLATION OF THIS UNIT.**

10 X 2" LONG SCREWS SPACED 6" FROM EACH CORNER 16" O.C.

RICHARD BOYETTE
 FL PE # 42485
 4031 COCONUT BLVD
 ROYAL PALM BCH FL 33411
 561-790-5766

TITLE
 UNIT ASSEMBLY,
 VENTING CASEMENT

C-15 AND CXW-16 UNITS

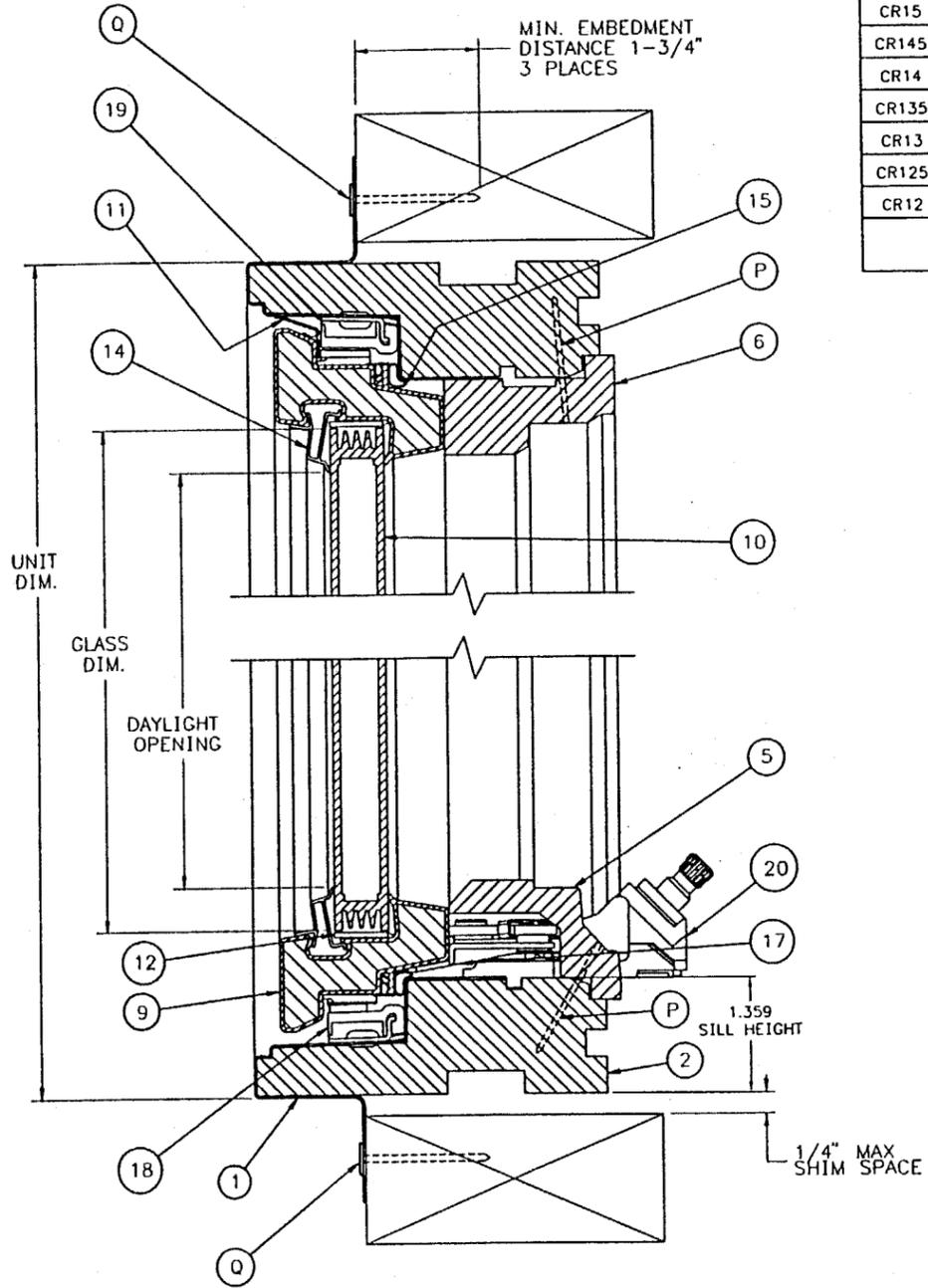
Andersen Corporation
 Boyport, Minnesota 55003

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APPROVE/DATE 5/23/00 DRAWING NUMBER 30801-DADE
 SHT. 1 OF 2

Manuel Perez

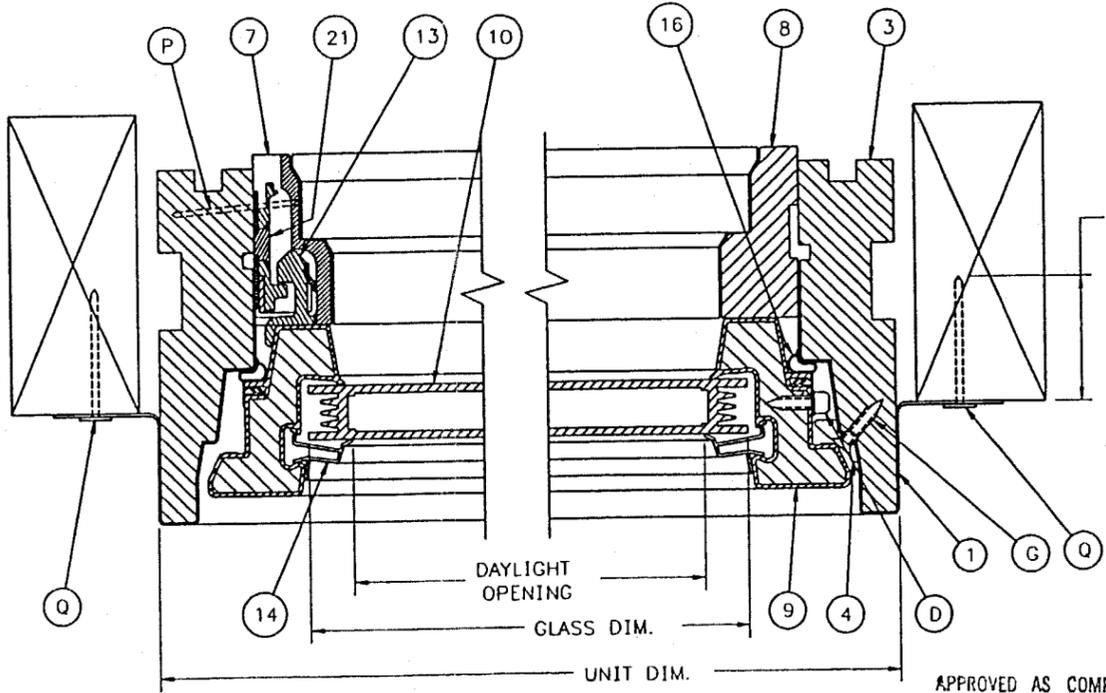


SECTION X-X

CR16	CN16	C16	CW16		67.938	66.907	71.875
CR155	CN155	C155	CW155		60.875	59.845	64.812
CR15	CN15	C15	CW15		55.938	54.907	59.875
CR145	CN145	C145	CW145	CXW145	48.875	47.845	52.812
CR14	CN14	C14	CW14	CXW14	44.062	43.032	48.000
CR135	CN135	C135	CW135	CXW135	36.875	35.845	40.812
CR13	CN13	C13	CW13	CXW13	32.000	30.970	35.938
CR125	CN125	C125	CW125		24.438	23.407	28.375
CR12	CN12	C12	CW12		20.188	19.157	24.125
UNIT DESIGNATION (HEIGHT)					GLASS DIM.	DAYLIGHT OPENING	UNIT DIM.
SECTION X-X DIMENSIONS							

20	OPERATOR, SPLIT ARM	30809	STEEL	3.114	1.559
19	HINGE, HEAD	30462	STEEL	.958	.571
18	HINGE, SILL	30460	STEEL	.958	.571
17	BRACKET, SASH	30492	STEEL	1.727	.555
16	WEATHERSTRIP, SIDES	30213	PVC	.577	.334
15	WEATHERSTRIP, HEAD/SILL	30214	PVC	.474	.291
14	BEAD, GLAZING	35013	PVC	.616	.737
13	KEEPER	30865	STEEL/NYLON	.571	1.128
12	SPACER, GLASS	20065	PVC	.625	.062
11	WATERBAR	30021	PVC	.534	.507
10	GLASS	00009	GLASS/STEEL	-	.625
9	SASH	30016	PVC/WOOD	2.000	1.623
8	STOP, HINGE SIDE	30848	WOOD	2.000	.906
7	STOP, LOCK SIDE	30847	WOOD	2.000	.906
6	STOP, HEAD	30841	WOOD	2.000	1.156
5	STOP, SILL	30842	WOOD	2.000	1.408
4	BRACKET, SNUGGER	30241	POLYCARBONATE	.500	.495
3	JAMB, SIDE	30838	WOOD	4.125	1.109
2	JAMB, SILL/HEAD	30835	WOOD	4.125	1.359
1	COVER, FRAME	30023	PVC	2.520	2.630
ITEM NO.	DESCRIPTION	DRAWING	MATERIAL	HEIGHT	WIDTH

DRAWING REFERENCE LIST



SECTION Y-Y

CXW16	67.938	66.907	71.875
CXW155	60.875	59.845	64.812
CXW15	55.938	54.907	59.875
UNIT DES.	GLASS DIM.	DAYLIGHT OPENING	UNIT DIM.

SECTION X-X DIMENSIONS

CXW16	CXW155	CXW15	32.406	31.376	35.938
UNIT DESIGNATION			GLASS DIM.	DAYLIGHT OPENING	UNIT DIM.

SECTION Y-Y DIMENSIONS

PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No. _____
 Expiration Date _____
 By _____
 Miami Dade Product Control Division

CXW145	CXW14	CXW135	CXW13		32.406	31.376	35.938					
CW16	CW155	CW15	CW145	CW14	CW135	CW13	CW125	CW12	24.844	23.813	28.375	
C16	C155	C15	C145	C14	C135	C13	C125	C12	20.594	19.563	24.125	
CN16	CN155	CN15	CN145	CN14	CN135	CN13	CN125	CN12	16.969	15.938	20.500	
CR16	CR155	CR15	CR145	CR14	CR135	CR13	CR125	CR12	13.469	12.438	17.000	
UNIT DESIGNATION (WIDTH)										GLASS DIM.	DAYLIGHT OPENING	UNIT DIM.
SECTION Y-Y DIMENSIONS												

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE June 22, 2000
 BY Mmanuel Sery
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-0806-03

PRODUCT RENEWED
 as complying with the Florida Building Code
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 By Mmanuel Sery
 Miami Dade Product Control Division

TITLE
 UNIT ASSEMBLY,
 VENTING CASEMENT
 C-15 AND CXW-16 UNITS

Andersen Corporation
 Bayport, Minnesota 55003

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APPROVE/DATE: 5/23/00
 DRAWING NUMBER: 30801-DADE
 SHT. 2 OF 2

Andersen Corp
5/23/00