



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

Andersen Corporation
100 Fourth Avenue North
Bayport MN 55003-1096

Your application for Product Approval of:

Series "Permashield" Vinyl Clad Outswing Wood Casement Window

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime from a jobsite or manufacturer's plant for quality control testing.

If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Acceptance No.: 99-0806.03

Expires: 06/22/2003

Raul Rodriguez
Chief Product Control Division

THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL CONDITIONS

BUILDING CODE & PRODUCT REVIEW COMMITTEE

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

Approved: 06/22/2000



Andersen Corporation

ACCEPTANCE No. : 99-0806.03

APPROVED : JUN 22 2000

EXPIRES : JUN 22 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This approves an outswing wood casement window, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

2.1 The Series "Permasield" Vinyl Clad Outswing Wood Casement Window and its components shall be constructed in strict compliance with the following documents: Drawing No 30801-DADE titled "Unit Assembly -Venting Casement C-15 and CXW-16 Units" Sheets 1 and 2 of 2, prepared by manufacturer dated 5/23/00, signed and sealed by Richard Boyette, 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications only, as shown in approved drawings.

4. INSTALLATION

4.1 The wood casement window and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

5. LABELING

5.1 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".

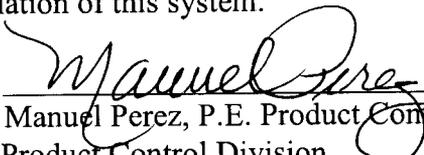
6. BUILDING PERMIT REQUIREMENTS

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



Manuel Perez, P.E. Product Control Examiner
Product Control Division

Andersen Corporation

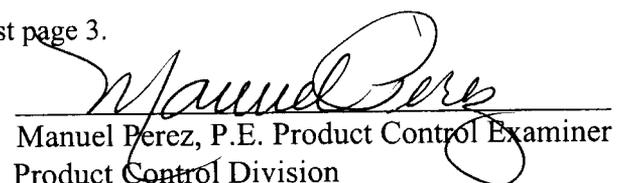
ACCEPTANCE No. : 99-0806.03

APPROVED : JUN 22 2000

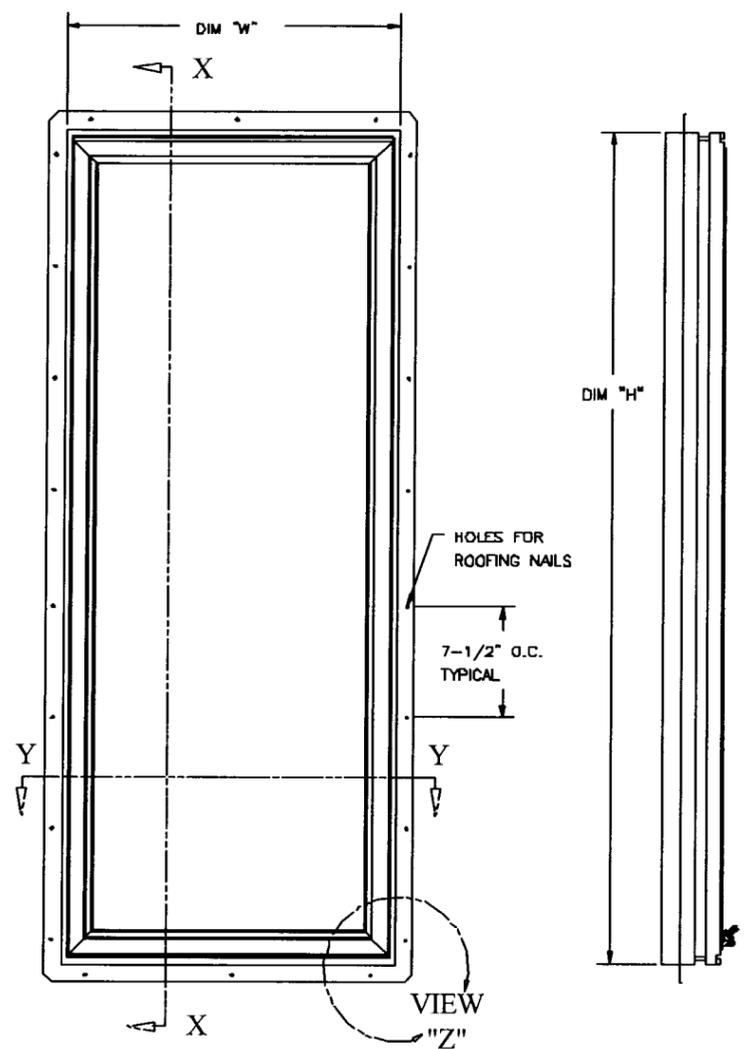
EXPIRES : JUN 22 2003

NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process.
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.


Manuel Perez, P.E. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE



CXW16	+34/-34
CXW155	+38/-38
CXW15	+41/-41
CXW145	+47/-47
CXW14	+52/-52
CXW135	+43/-43
CXW13	+55/-55
CW16	+44/-44
CW155	+48/-48
CW15	+52/-52
CW145	+60/-60
CW14	+66/-66
CW135	+47/-47
CW13	+58/-58
CW125	+100/-100
CW12	+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
CR16	+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

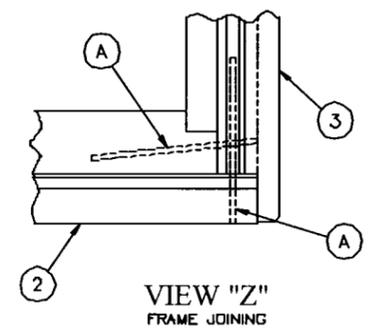
ITEM	QTY.	DESCRIPTION	LOCATION
Q	12-26	NAILS, 1-5/8" ROOFING	FASTENS UNIT INTO OPENING THROUGH FLANGES
P	4-5	NAIL, 1-1/2" LONG 18 GAGE	FASTENS STOPS TO FRAME
N	3	SCREW, #8 X 1-3/16" LONG	FASTENS OPERATOR TO SILL JAMB
M	2 OR 4	SCREW, #8 X 5/8" LONG	FASTENS KEEPER(S) TO SASH
K	1	SCREW, #7 X 1-1/4" LONG	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	W"
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
CN16 CN155 CN15 CN145 CN14 CN135 CN13 CN125 CN12	20.500
CR16 CR155 CR15 CR145 CR14 CR135 CR13 CR125 CR12	17.000

UNIT DESIGNATION	H"
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

- 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.**



APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE June 22, 2000
 BY Manuel Perez
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 97-0806-03

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

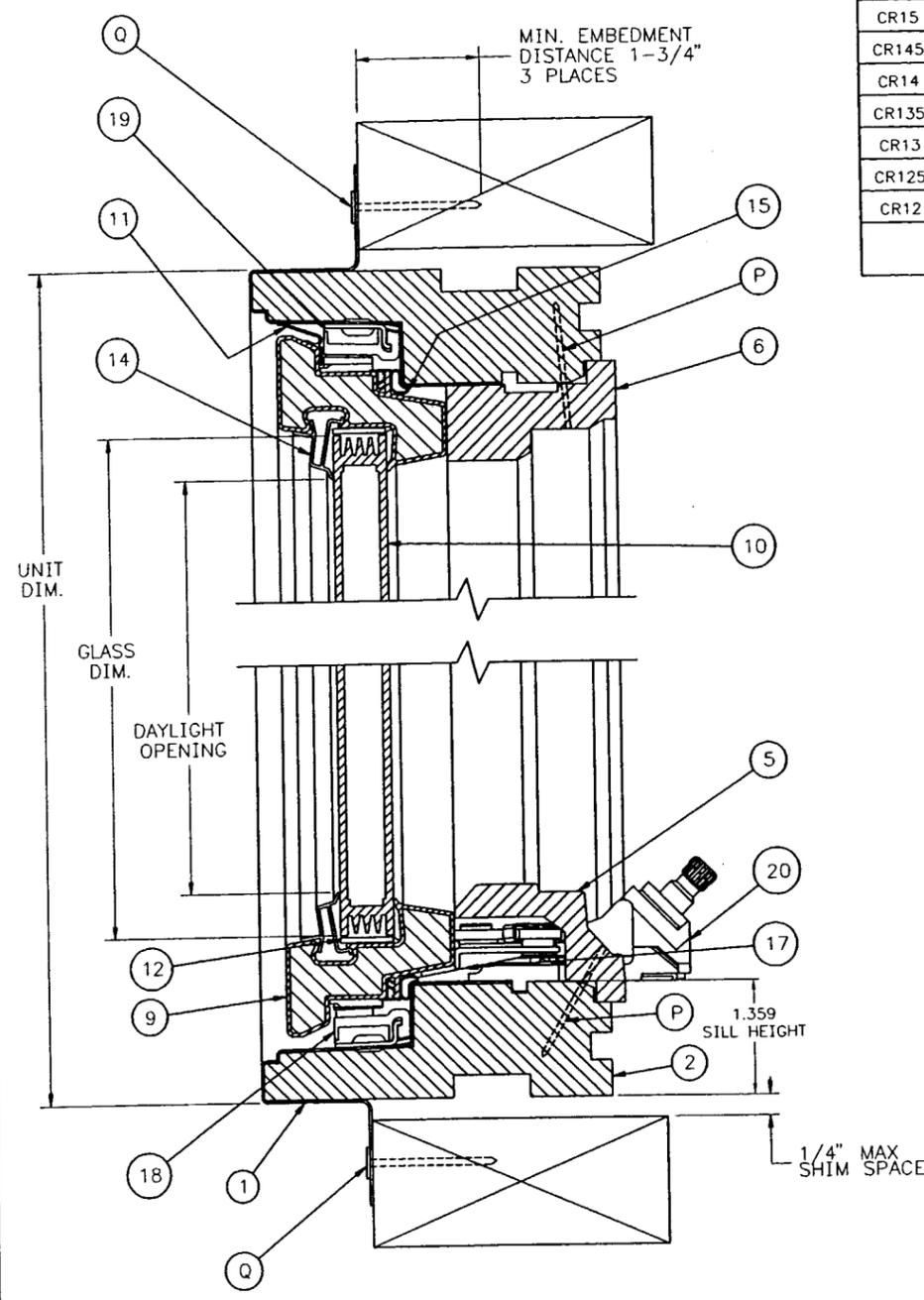
Andersen Corporation
 Bayport, Minnesota 55003

THESE DRAWINGS ARE PROVIDED AS A SERVICE BY ANDERSEN CORPORATION FOR THE BENEFIT OF ITS CUSTOMERS. FINAL RESPONSIBILITY FOR A CORRECT 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 5/23/00 DRAWING NUMBER 30801-DADE
 SHT. 1 OF 2

Richard Boyette

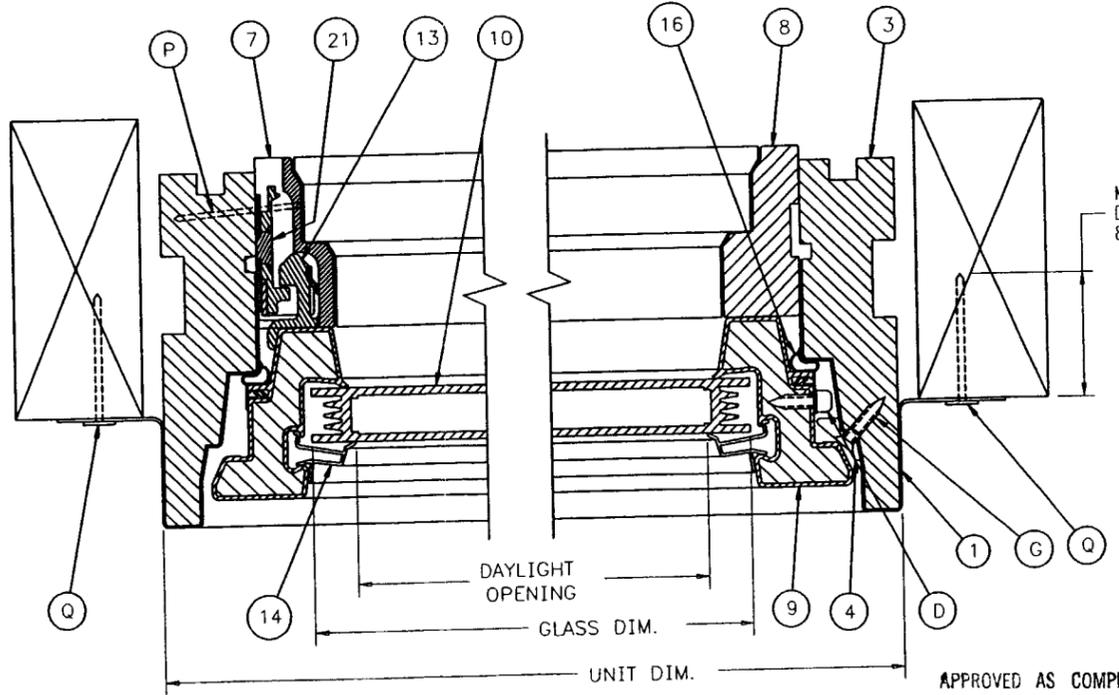


SECTION X-X

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

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 23, 2000
 BY Manuel Jery
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 99-0806-03

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. 2 OF 2

Andersen Corp
5/23/00