



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 DIVISION
(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 Notice of Acceptance (NOA) of:

Series "Perma-Shield" Vinyl Clad Outswing Wood Casement Window - Impact Resistant

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 NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time 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 by 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.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 01-0612.01
EXPIRES: 06/22/2003

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 Miami-Dade County, Florida under the conditions set forth above.

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

APPROVED: 01/17/2002

Andersen Corporation

ACCEPTANCE No. : 01-0612.01

APPROVED : JAN 17 2002

EXPIRES : June 22, 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This **revises** the Notice of Acceptance No. 00-1213.01, which was issued on April 04, 2001. It 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 "**Perma-Shield**" Vinyl Clad Outswing Wood Casement Window – Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No. **DADE-30872**, titled "Unit Assembly, Casement - Impact" Sheets 1 through 6 of 6, prepared by manufacturer, dated 6/1/99, with revision "E" dated 6/1/01, 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

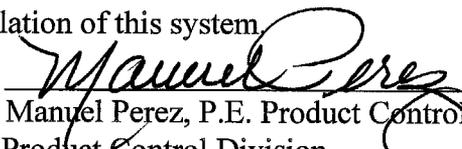
- 4.1 The wood casement window and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): the installation of this unit **will not require** a hurricane protection system.

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

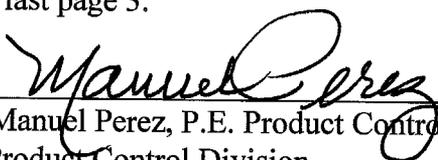
ACCEPTANCE No. : 01-0612.01

APPROVED : JAN 17 2002

EXPIRES : June 22, 2003

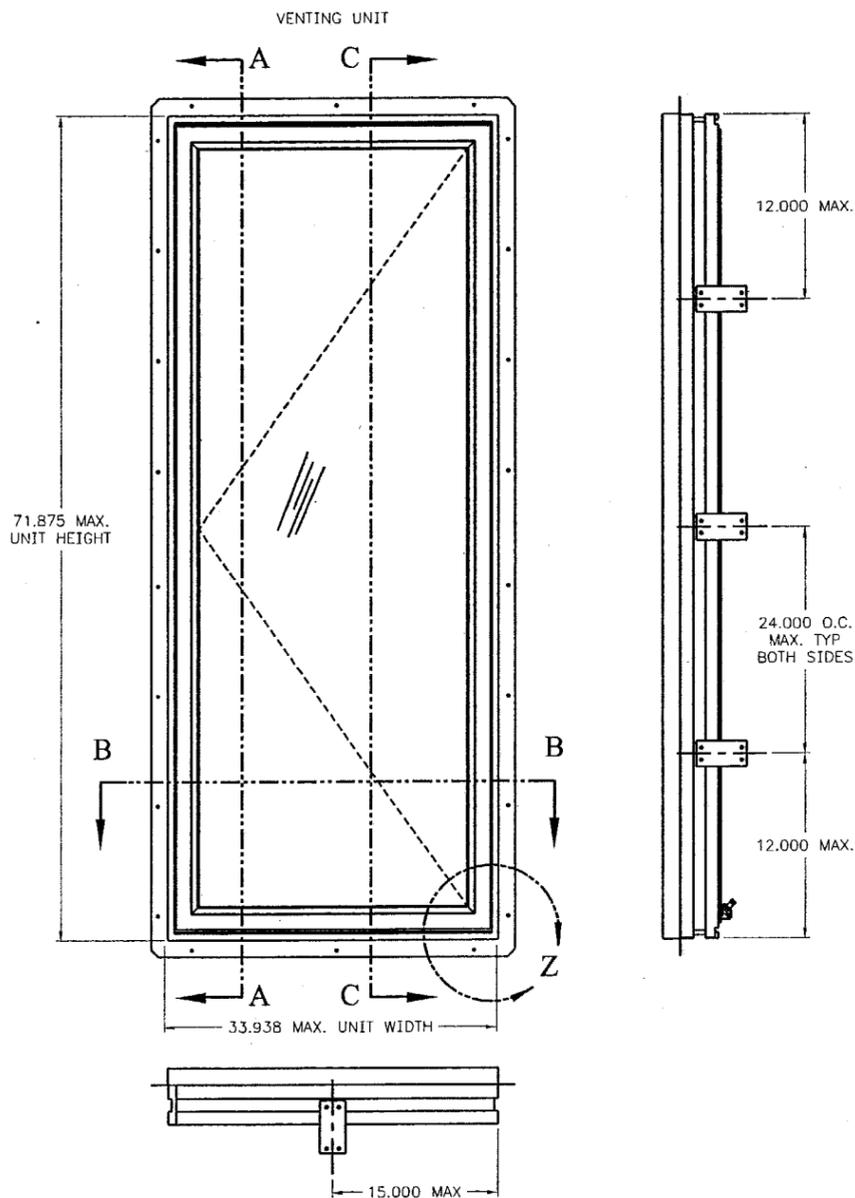
NOTICE OF ACCEPTANCE: STANDARD CONDITIONS

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

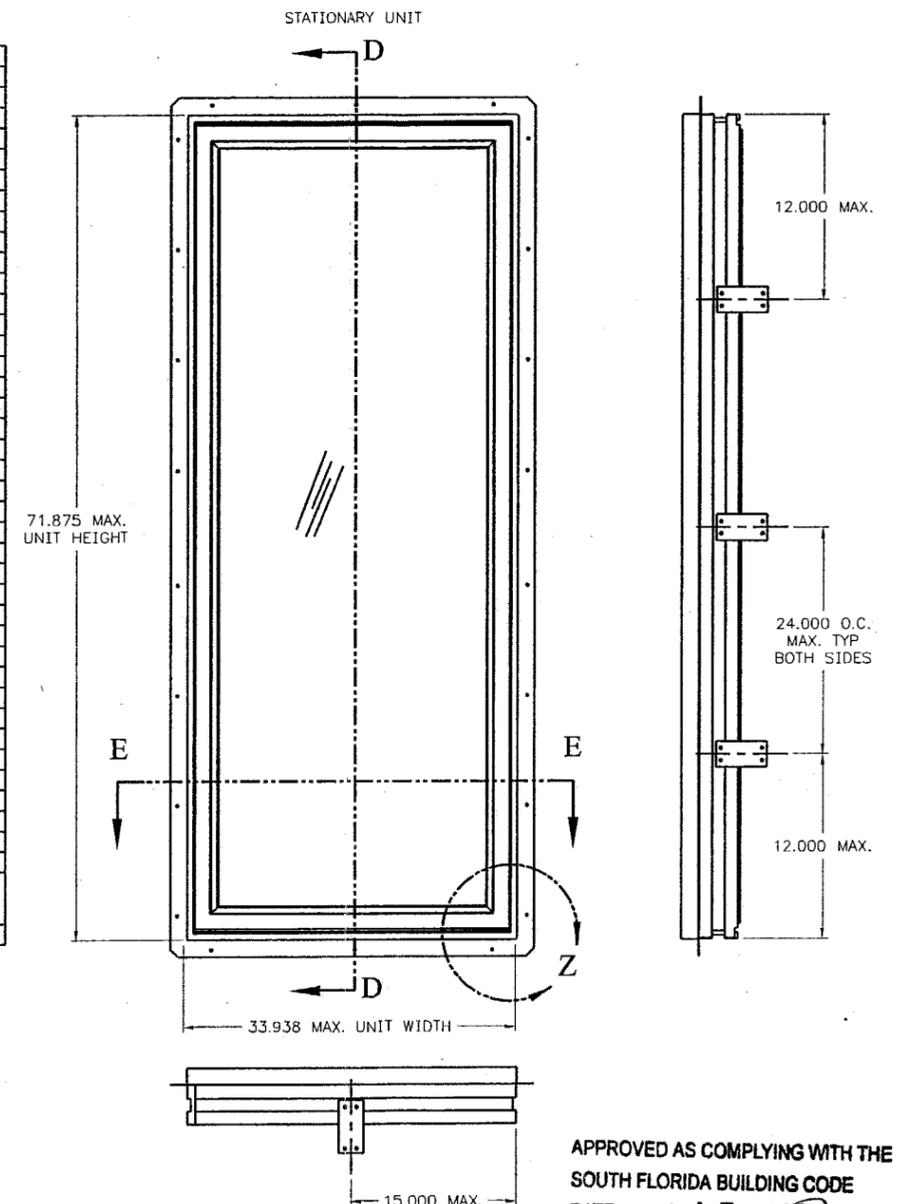
END OF THIS ACCEPTANCE

VIEWED FROM EXTERIOR



CXW145	+60/-64
CXW14	+60/-64
CXW135	+60/-64
CXW13	+60/-64
CW16	+50/-52
CW155	+50/-52
CW15	+64/-68
CW145	+67/-82
CW14	+67/-82
CW135	+67/-82
CW13	+67/-82
CW125	+67/-82
CW12	+67/-82
C16	+60/-64
C155	+60/-64
C15	+64/-68
C145	+67/-82
C14	+67/-82
C135	+67/-82
C13	+67/-82
C125	+67/-82
C12	+67/-82
CN16	+60/-64
CN155	+60/-64
CN15	+64/-68
CN145	+67/-82
CN14	+67/-82
CN135	+67/-82
CN13	+67/-82
CN125	+67/-82
CN12	+67/-82
CR16	+60/-64
CR155	+60/-64
CR15	+64/-68
CR145	+67/-82
CR14	+67/-82
CR135	+67/-82
CR13	+67/-82
CR125	+67/-82
CR12	+67/-82
UNIT DES.	DP RATINGS (PSF)
VENTING UNIT	

VIEWED FROM EXTERIOR



CXW145	+60/-64
CXW14	+60/-64
CXW135	+60/-64
CXW13	+60/-64
CW16	+67/-71
CW155	+67/-71
CW15	+67/-71
CW145	+67/-82
CW14	+67/-82
CW135	+67/-82
CW13	+67/-82
CW125	+67/-82
CW12	+67/-82
C16	+67/-71
C155	+67/-71
C15	+67/-71
C145	+67/-82
C14	+67/-82
C135	+67/-82
C13	+67/-82
C125	+67/-82
C12	+67/-82
CN16	+67/-71
CN155	+67/-71
CN15	+67/-71
CN145	+67/-82
CN14	+67/-82
CN135	+67/-82
CN13	+67/-82
CN125	+67/-82
CN12	+67/-82
CR16	+67/-71
CR155	+67/-71
CR15	+67/-71
CR145	+67/-82
CR14	+67/-82
CR135	+67/-82
CR13	+67/-82
CR125	+67/-82
CR12	+67/-82
UNIT DES.	DP RATINGS (PSF)
STATIONARY UNIT	

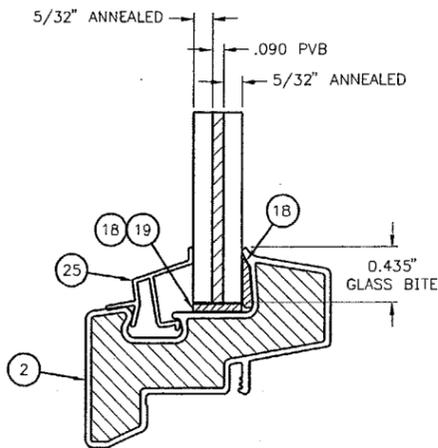
NOTES:

- INSTALLATION METHOD:**
WOOD BUCK: LOCATE CLIPS AT CENTER OF UNIT HEAD AND SILL. APPLY THE RESPECTIVE NUMBER OF CLIPS PER (INSTALLATION CLIP LOCATION) CHART ON PAGE TWO. EQUALLY SPACE CLIPS PER UNIT DIMENSION HEIGHT.
4 #8 x 1" SCREWS PER CLIP, 2 INTO FRAME AND 2 INTO ROUGH OPENING.
MASONRY: TAPCON SPACING AND LOCATION TO BE THE SAME AS WOOD SCREW SPACING AND LOCATION.
- GLAZING SPECIFICATIONS:**
HEAT STRENGTHENED: 7/64" THICK LAMINATED GLASS FABRICATED AND COMPOSED OF TWO NOMINAL 3/32" HEAT-STRENGTHENED SHEETS WITH A .090" GRAY OR CLEAR PVB INNER LAYER MANUFACTURED BY DUPONT OR SOLUTIA.
ANNEALED: 3/8" (.392") THICK LAMINATED GLASS FABRICATED AND COMPOSED OF TWO NOMINAL 5/32" ANNEALED SHEETS WITH A .090" GRAY OR CLEAR PVB INNER LAYER MANUFACTURED BY DUPONT OR SOLUTIA.
- GLAZING METHOD:**
GLASS IS SET FROM THE EXTERIOR AGAINST A DOW CORNING DC983-2 OR DC-1350 SILICONE BED GLAZING. SPACERS ARE ADDED BETWEEN GLASS EDGE AND SASH, GLASS IS BACK GLAZED WITH A DOW CORNING DC983-2 OR DC-1350 SILICONE, THEN GLAZING BEADS ARE SNAPPED INTO PLACE.
- FRAME CONSTRUCTION:**
THE WOOD FRAME MEMBERS WERE COMPRISED OF PONDEROSA PINE WITH VINYL CLADDING ADHESIVELY-BONDED TO THE EXTERIOR. FRAME MEMBERS WERE COPED AND SECURED WITH THREE STAPLES PER CORNER.
- SASH CONSTRUCTION:**
THE WOOD SASH MEMBERS WERE COMPRISED OF PONDEROSA PINE WITH VINYL CLADDING EXTRUDED AROUND THE WOOD PROFILES WITH THE CORNERS MITERED AND WELDED.
- GLASS BITE = .435"

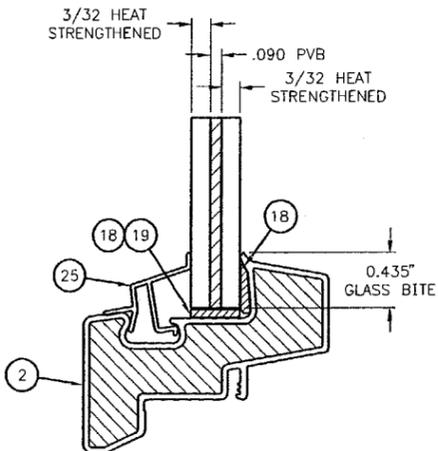
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JAN 17 2002
BY Maureen Jery
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0612-01

TITLE	
UNIT ASSEMBLY, CASEMENT - IMPACT	
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
6/1/99	DADE-30872
SHT. 1 OF 6	

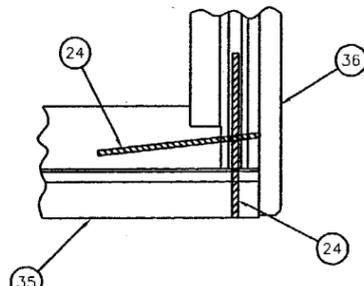
E	6/1/01
D	12/6/00
C	9/28/00
B	5/12/00
A	6/1/99
REVISION	



3/8" ANNEALED/ANNEALED LAMINATED GLASS CONSTRUCTION (SAFLEX OR BUTACITE)



17/64" HEAT STRENGTHENED/HEAT STRENGTHENED LAMINATED GLASS CONSTRUCTION (SAFLEX OR BUTACITE)



DETAIL -Z-
FRAME JOINING

ITEM NO.	DESCRIPTION	PART	MATERIAL	HEIGHT	WIDTH
38	1/4" DIAMETER TAPCON	-	STEEL	-	-
37	SCREW, #7 X 5/8"	3620780	STEEL	0.625	0.179
36	JAMB, SIDE	30838	PONDEROSA PINE	-	-
35	JAMB, HEAD/SILL	30835	PONDEROSA PINE	-	-
34	SCREW, #8 X 1-3/16"	3621825	STEEL	1.188	0.164
33	SCREW, #8 X 5/8"	3622280	STEEL	0.625	0.164
32	STAPLE, 5/16" X 1/4" X .050"	4220186	STEEL	0.312	0.250
31	SCREW, #8 X 5/8"	3622305	STEEL	0.625	0.164
30	SCREW, #7 X 1-1/32"	3622187	STEEL	1.031	0.179
29	LOCK, ASSMBLY	30814/16/91	STEEL	-	-
28	SCREW, #8 X 5/8"	3622315	STEEL	0.625	0.164
27	KEEPER	30865	STEEL/NYLON	2.435	0.875
26	SCREW, #6-20 X 1/2"	3629001	STEEL	-	-
25	GLAZING BEAD	30184	PVC	0.705	0.998
24	STAPLE, 1/2" X 2" X 16 GA.	4220206	STEEL	2.000	0.500
23	BAR, REINFORCED SASH (SIZES 55 & 60)	30871	ALUMINUM	0.230	0.543
22	BRACKET, SASH RH	30492	STEEL	1.727	3.812
21	WEATHERSTRIP, RAIL	30214	PVC	0.490	0.270
20	WEATHERSTRIP, STILE	30213	PVC	0.490	0.270
19	SPACER, GLASS	3876530	VINYL	-	-
18	SEALANT (DOW CORNING 983-2)	MDS0012	SILICONE	-	-
17	WATERBAR	30021	VINYL	0.656	0.438
16	GLASS, LAMINATED GRAY	04170	-	-	-
16	GLASS, LAMINATED CLEAR	04171	-	-	-
15	NAIL, 1-1/2 LG. BRAD	4235252	GALVANIZED STEEL	1.500	0.059
14	SNUGGER, EXTERIOR	30442	ALUMINUM	0.643	0.714
13	OPERATOR, STRAIGHT ARM	30812	STEEL	2.481	17.687
13	OPERATOR, SPLIT ARM	30810	STEEL	2.481	11.812
12	CLIP, STATIONARY SASH	30053	STEEL	1.624	3.000
11	FOAM, WEATHER STRIP	30172	FOAM	0.312	0.375
10	HINGE, HEAD 22"	30511	STAINLESS STEEL	6.631	6.876
10	HINGE, HEAD SPLIT	30463	STAINLESS STEEL	-	-
9	HINGE, SILL 22"	30509	STAINLESS STEEL	6.631	6.876
9	HINGE, SILL 20"	30465	STAINLESS STEEL	-	-
9	HINGE, SILL SPLIT	30461	STEEL	-	-
8	CLIP, INSTALLATION	3270217	GALVANIZED STEEL	-	-
7	SCREWS, #8 X 1"	3621074	STEEL	-	-
6	STOP, LOCK SIDE "C" STRAIGHT ARM	30468	PONDEROSA PINE	0.891	2.000
6	STOP, LOCK LH	30846	PONDEROSA PINE	0.891	2.000
5	STOP, HINGE	30848	PONDEROSA PINE	0.891	2.000
4	STOP, HEAD	30841	PONDEROSA PINE	0.891	2.000
3	STOP, SILL (STRAIGHT ARM)	30845	PONDEROSA PINE	0.891	2.000
3	STOP, SILL (SPLIT ARM)	30843	PONDEROSA PINE	0.891	2.000
2	SASH	30013	VINYL/PINE	-	-
1	COVER, FRAME	30023	VINYL	-	-

PART REFERENCE LIST

ALL PARTS MANUFACTURED TO ANDERSEN SPECIFICATION AS NOTED BY ABOVE PART NUMBERS

ITEM	QTY.	DESCRIPTION	LOCATION
28	2-4	SCREWS, #8 X 5/8"	ATTACHMENT OF KEEPERS TO SASH
37	8-20	SCREWS, #7 X 5/8"	ATTACHMENT OF SASH CLIP TO SASH (STATIONARY)
18	BEAD	SILICONE	ATTACHMENT OF GLASS TO SASH
31	14	SCREWS, #8 X 5/8"	ATTACHMENT OF HINGE TO FRAME AND SASH

SASH FASTNERS LIST

ITEM	QTY.	DESCRIPTION	LOCATION
37	8-20	SCREWS, #7 X 5/8"	ATTACHMENT OF SASH CLIP TO SASH (STATIONARY)
12	4-10	CLIP, STATIONARY SASH	ATTACHMENT OF FRAME TO SASH (STATIONARY)
34	6	SCREWS, #8 X 1-3/16"	ATTACHMENT OF OPERATOR TO FRAME
33	1	SCREWS, #8 X 5/8"	ATTACHMENT OF HINGE TO FRAME
26	1-3	SCREWS, #6-20 X 1/2"	ATTACHMENT OF SNUGGER TO FRAME
30	2-4	SCREWS, #7 X 1-1/32"	ATTACHMENT OF LOCK TO FRAME
15	4-5	NAIL, 1-1/2" X 16GA.	ATTACHMENT OF STOPS TO FRAME
26	1-3	SCREWS, #6-20 X 1/2"	ATTACHMENT OF SNUGGER BRACKET TO FRAME
18	BEAD	ADHESIVE	ATTACHMENT OF FRAME COVER TO JAMBS
32	8-14	STAPLE, 5/16" X 1/4" X .050"	ATTACHMENT OF EDGE OF FRAME COVER TO JAMBS
24	12	STAPLE, 1/2" X 2" X 16GA.	ATTACHMENT OF SIDE JAMBS TO HEAD/SILL JAMBS

FRAME FASTNERS LIST

UNIT DIMENSIONS	HEIGHT	WIDTH
CXW145	52.812	33.938
CXW14	48.000	33.938
CXW135	40.812	33.938
CXW13	35.938	33.938
CW16	71.875	28.375
CW155	64.812	28.375
CW15	59.875	28.375
CW145	52.812	28.375
CW14	48.000	28.375
CW135	40.812	28.375
CW13	35.938	28.375
CW125	28.375	28.375
CW12	24.125	28.375
C16	71.875	24.125
C155	64.812	24.125
C15	59.875	24.125
C145	52.812	24.125
C14	48.000	24.125
C135	40.812	24.125
C13	35.938	24.125
C125	28.375	24.125
C12	24.125	24.125
CN16	71.875	20.500
CN155	64.812	20.500
CN15	59.875	20.500
CN145	52.812	20.500
CN14	48.000	20.500
CN135	40.812	20.500
CN13	35.938	20.500
CN125	28.375	20.500
CN12	24.125	20.500
CR16	71.875	17.000
CR155	64.812	17.000
CR15	59.875	17.000
CR145	52.812	17.000
CR14	48.000	17.000
CR135	40.812	17.000
CR13	35.938	17.000
CR125	28.375	17.000
CR12	24.125	17.000

SASH DIMENSIONS	HEIGHT	WIDTH
CXW145	51.250	34.781
CXW14	46.438	34.781
CXW135	39.250	34.781
CXW13	34.375	34.781
CW16	70.312	27.219
CW155	63.250	27.219
CW15	58.312	27.219
CW145	51.250	27.219
CW14	46.438	27.219
CW135	39.250	27.219
CW13	34.375	27.219
CW125	26.812	27.219
CW12	22.562	27.219
C16	70.312	22.969
C155	63.250	22.969
C15	58.312	22.969
C145	51.250	22.969
C14	46.438	22.969
C135	39.250	22.969
C13	34.375	22.969
C125	26.812	22.969
C12	22.562	22.969
CN16	70.312	19.344
CN155	63.250	19.344
CN15	58.312	19.344
CN145	51.250	19.344
CN14	46.438	19.344
CN135	39.250	19.344
CN13	34.375	19.344
CN125	26.812	19.344
CN12	22.562	19.344
CR16	70.312	15.844
CR155	63.250	15.844
CR15	58.312	15.844
CR145	51.250	15.844
CR14	46.438	15.844
CR135	39.250	15.844
CR13	34.375	15.844
CR125	26.812	15.844
CR12	22.562	15.844

INSTALLATION CLIP LOCATION	CLIPS PER SIDE	CLIPS PER HEAD/SILL
CXW145	2	1
CXW14	2	1
CXW135	1	1
CXW13	1	1
CW16	3	1
CW155	3	1
CW15	3	1
CW145	2	1
CW14	2	1
CW135	2	1
CW13	1	1
CW125	1	1
CW12	1	1
C16	3	1
C155	3	1
C15	2	1
C145	2	1
C14	2	1
C135	1	1
C13	1	1
C125	1	1
C12	1	1
CN16	2	1
CN155	2	1
CN15	2	1
CN145	2	1
CN14	1	1
CN135	1	1
CN13	1	1
CN125	1	1
CN12	1	1
CR16	2	1
CR155	2	1
CR15	2	1
CR145	2	1
CR14	1	1
CR135	1	1
CR13	1	1
CR125	1	1
CR12	1	1

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE JAN 17 2003
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0612-01

TITLE
 UNIT ASSEMBLY,
 CASEMENT - IMPACT

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: 6/1/99
 DRAWING NUMBER: DADE-30872

SHT. 2 OF 6

E	6/1/01
D	12/6/00
C	9/28/00
B	5/12/00
A	6/1/99
REVISION	

SIZE DES.	"A" QTY CLIPS PER STILE	GLASS DIMENSION	DAYLIGHT OPENING
CXW145	3	48.875	48.000
CXW14	3	44.062	43.188
CXW135	2	36.875	36.000
CXW13	2	32.000	31.125
CW16	4	67.938	67.062
CW155	4	60.875	60.000
CW15	3	55.938	55.062
CW145	3	48.875	48.000
CW14	3	44.062	43.188
CW135	2	36.875	36.000
CW13	2	32.000	31.125
CW125	1	24.438	23.562
CW12	1	20.188	19.312
C16	4	67.938	67.062
C155	4	60.875	60.000
C15	3	55.938	55.062
C145	3	48.875	48.000
C14	3	44.062	43.188
C135	2	36.875	36.000
C13	2	32.000	31.125
C125	1	24.438	23.562
C12	1	20.188	19.312
CN16	4	67.938	67.062
CN155	4	60.875	60.000
CN15	3	55.938	55.062
CN145	3	48.875	48.000
CN14	3	44.062	43.188
CN135	2	36.875	36.000
CN13	2	32.000	31.125
CN125	1	24.438	23.562
CN12	1	20.188	19.312
CR16	4	67.938	67.062
CR155	4	60.875	60.000
CR15	3	55.938	55.062
CR145	3	48.875	48.000
CR14	3	44.062	43.188
CR135	2	36.875	36.000
CR13	2	32.000	31.125
CR125	1	24.438	23.562
CR12	1	20.188	19.312

GLASS DIMENSIONS HEIGHT

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE JAN 17 2002
 BY Maurice Sery
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 010612-01

TITLE
 UNIT ASSEMBLY,
 CASEMENT - IMPACT

Andersen Corporation
 Bayport, Minnesota 55003

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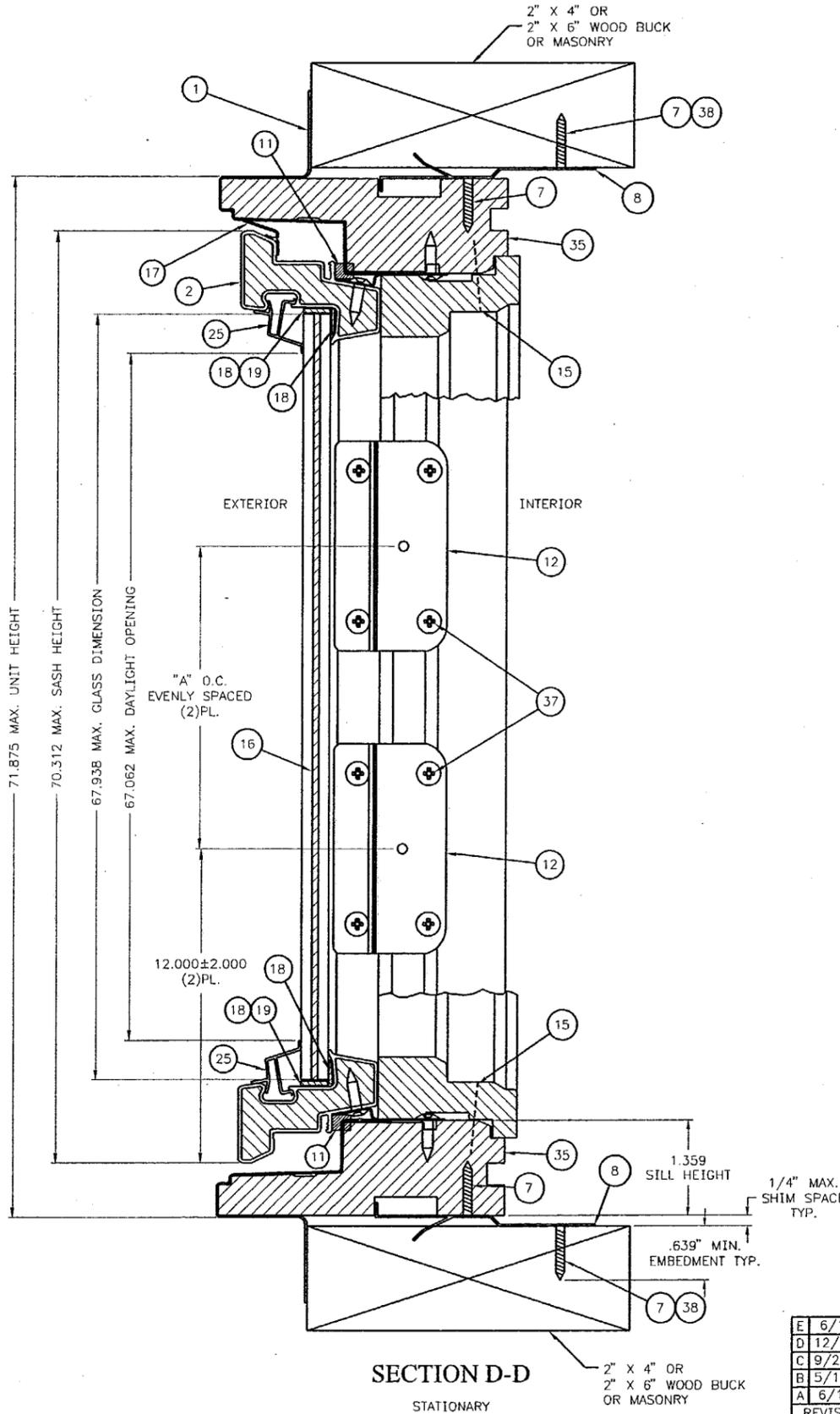
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APPROVE/DATE
 6/1/99

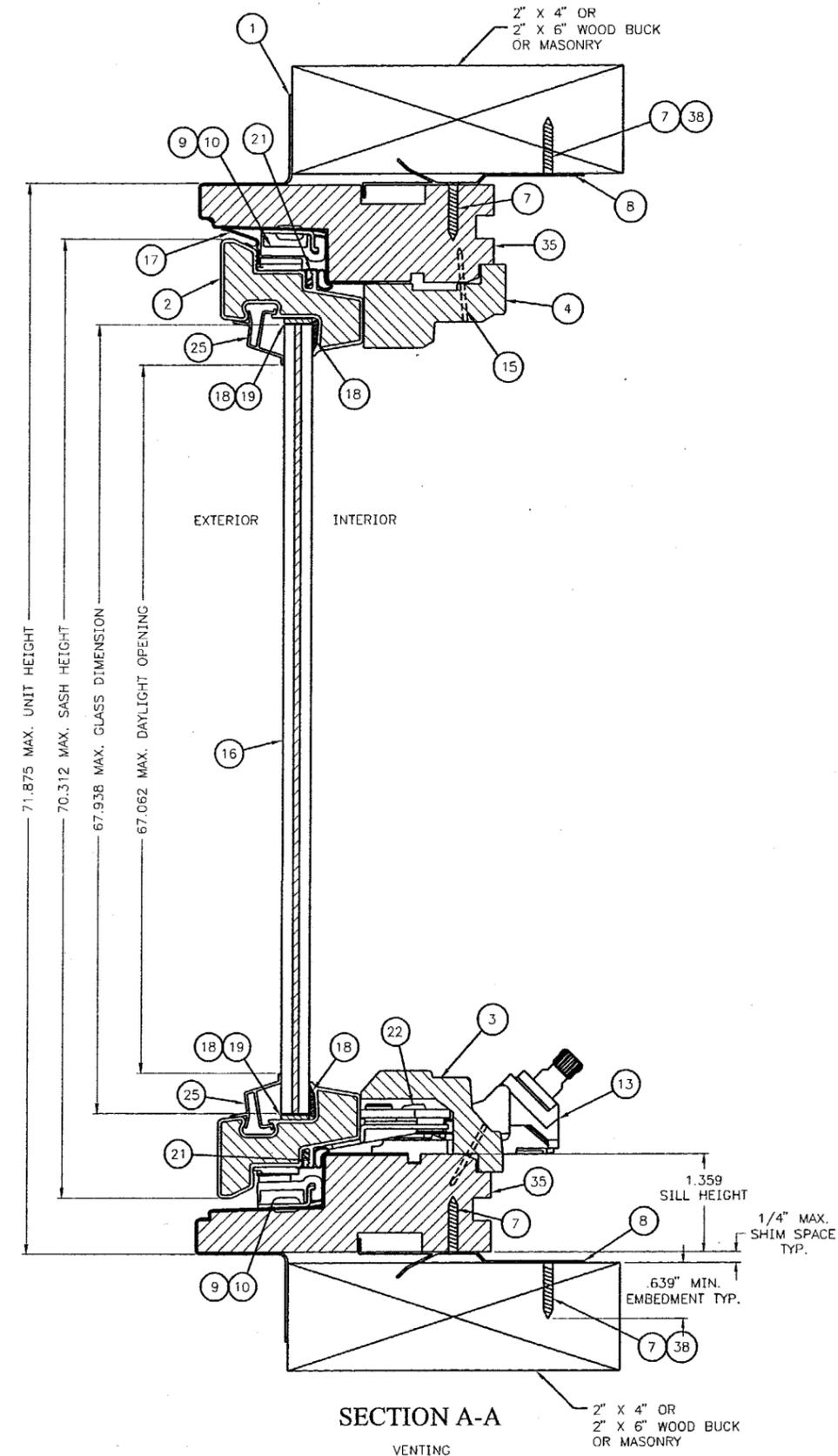
DRAWING NUMBER
 DADE-30872

SHI. 3 OF 6

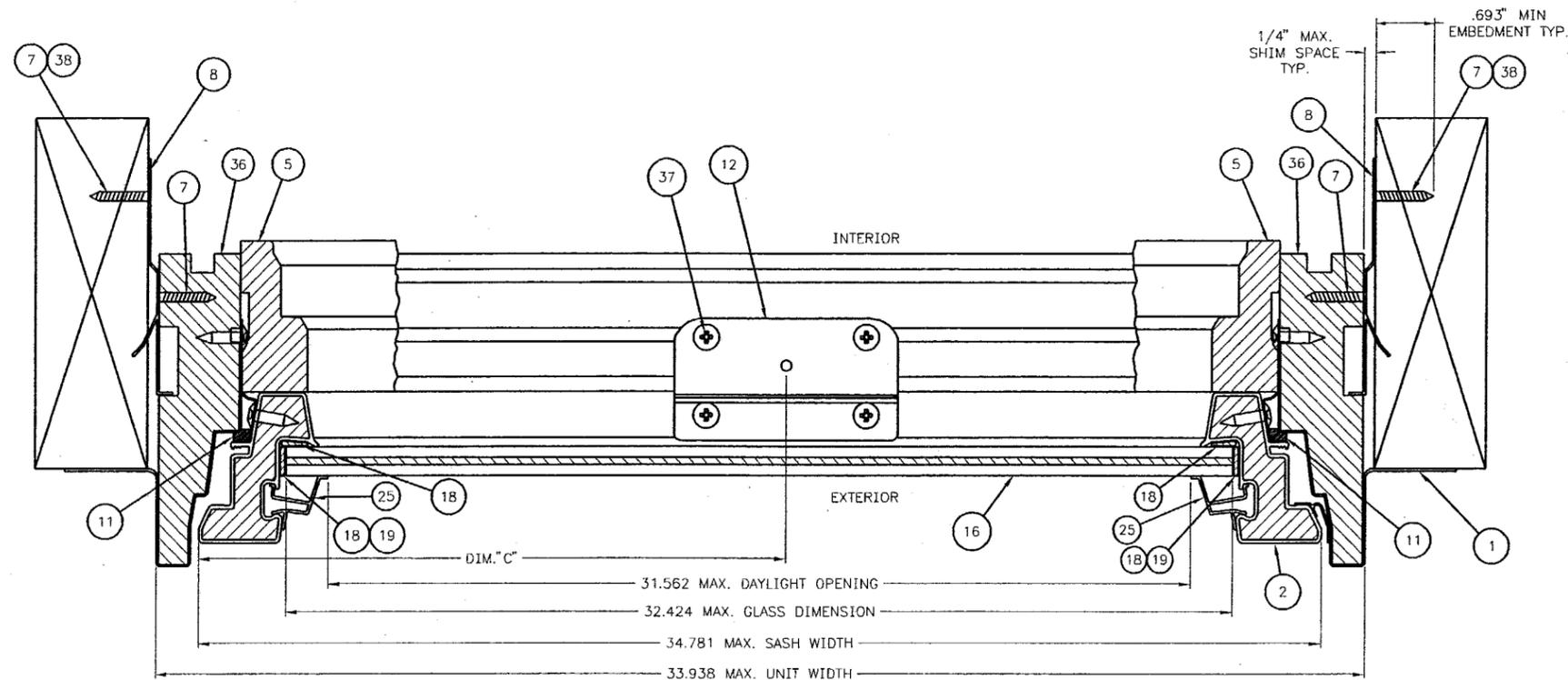
E	6/1/01
D	12/6/00
C	9/28/00
B	5/12/00
A	6/1/99
REVISION	



SECTION D-D
 STATIONARY

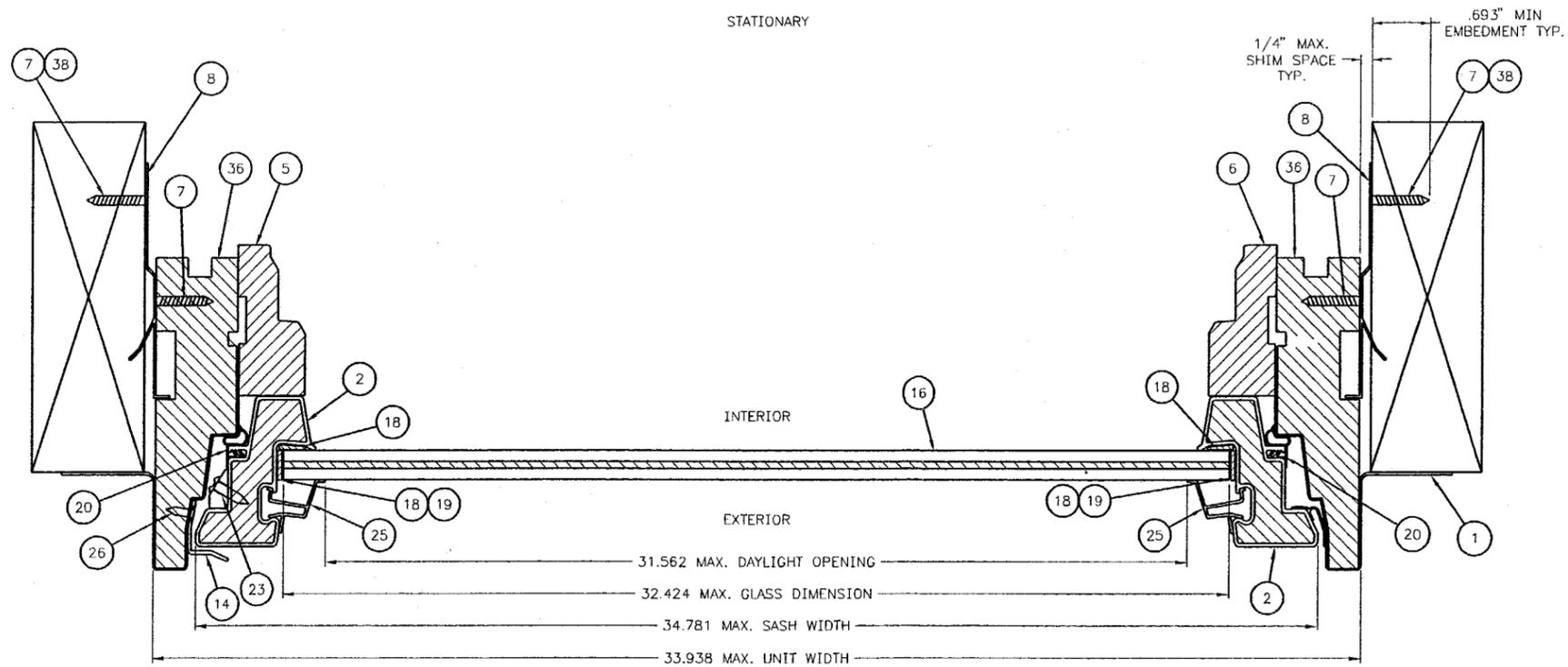


SECTION A-A
 VENTING



SECTION E-E

STATIONARY



SECTION B-B

VENTING

CXW145	17.391	32.424	31.562
CXW14	17.391	32.424	31.562
CXW135	17.391	32.424	31.562
CXW13	17.391	32.424	31.562
CW16	13.500	24.844	24.000
CW155	13.500	24.844	24.000
CW15	13.500	24.844	24.000
CW145	13.500	24.844	24.000
CW14	13.500	24.844	24.000
CW135	13.500	24.844	24.000
CW13	13.500	24.844	24.000
CW125	13.500	24.844	24.000
CW12	13.500	24.844	24.000
C16	11.500	20.594	19.750
C155	11.500	20.594	19.750
C15	11.500	20.594	19.750
C145	11.500	20.594	19.750
C14	11.500	20.594	19.750
C135	11.500	20.594	19.750
C13	11.500	20.594	19.750
C125	11.500	20.594	19.750
C12	11.500	20.594	19.750
CN16	10.000	16.969	16.125
CN155	10.000	16.969	16.125
CN15	10.000	16.969	16.125
CN145	10.000	16.969	16.125
CN14	10.000	16.969	16.125
CN135	10.000	16.969	16.125
CN13	10.000	16.969	16.125
CN125	10.000	16.969	16.125
CN12	10.000	16.969	16.125
CR16	8.000	13.469	12.625
CR155	8.000	13.469	12.625
CR15	8.000	13.469	12.625
CR145	8.000	13.469	12.625
CR14	8.000	13.469	12.625
CR135	8.000	13.469	12.625
CR13	8.000	13.469	12.625
CR125	8.000	13.469	12.625
CR12	8.000	13.469	12.625
SIZE DES.	DIM."C" TYP	GLASS DIMENSION	DAYLIGHT OPENING
GLASS DIMENSIONS WIDTH			

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE JAN 17 2002
BY Manuel Lopez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0612-01

TITLE
UNIT ASSEMBLY,
CASEMENT - IMPACT

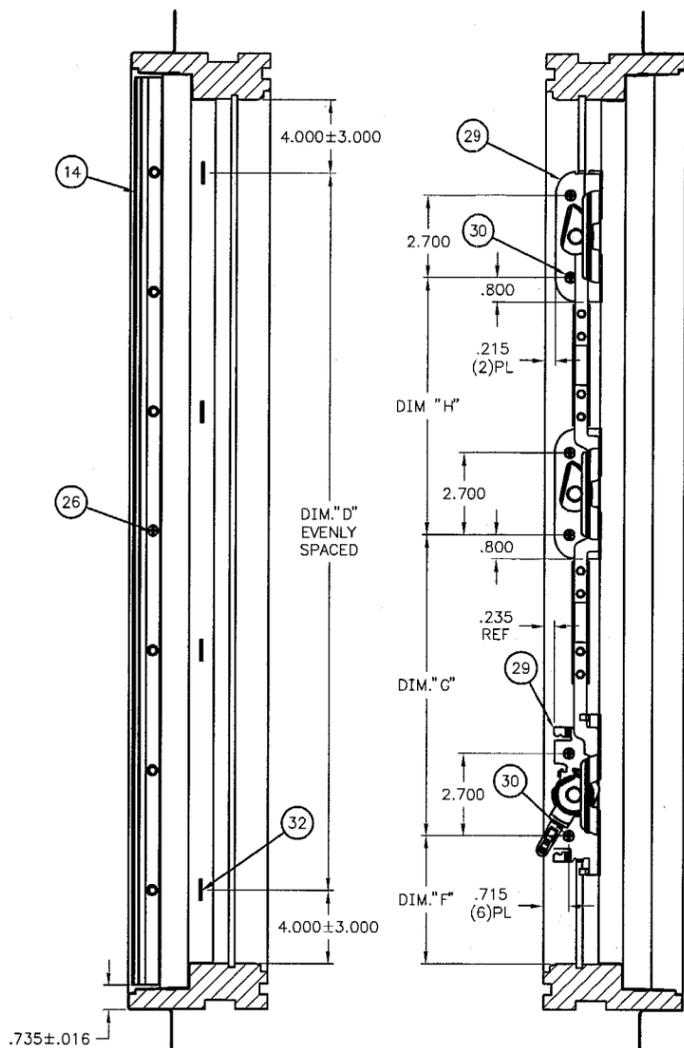
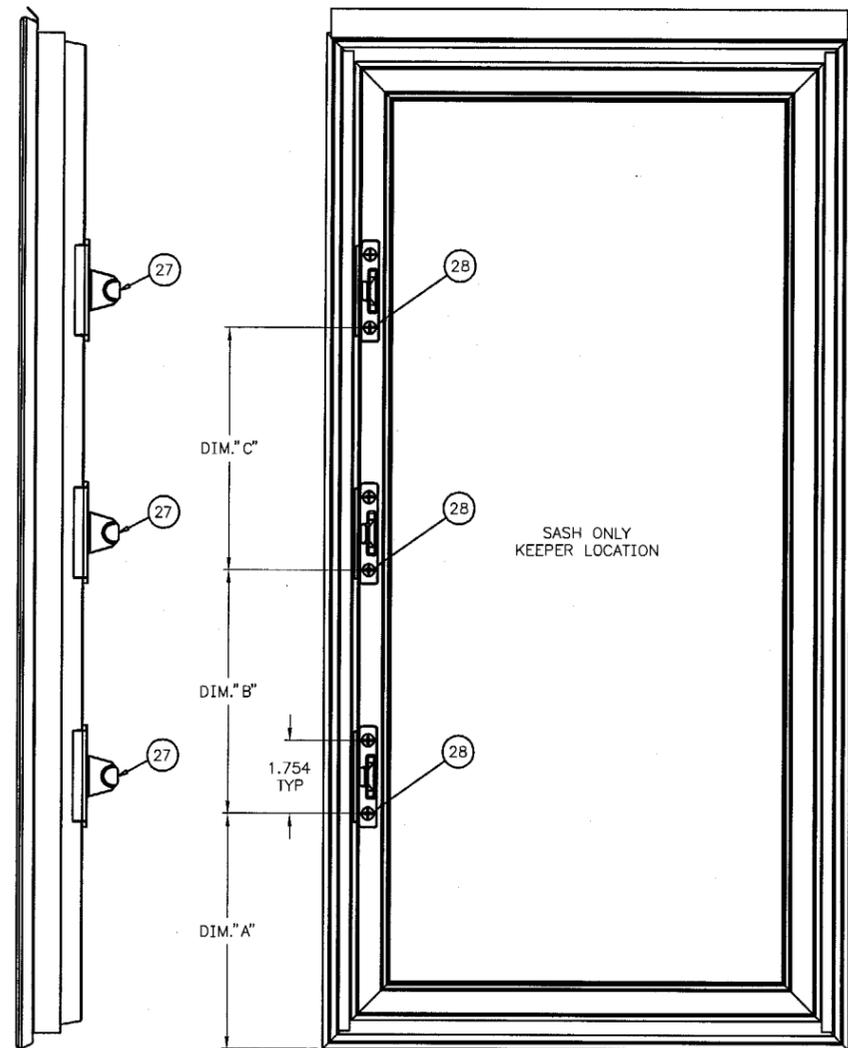
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Bayport, Minnesota 55003

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APPROVE/DATE
6/1/99
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REVISION	

SHT. 4 OF 6

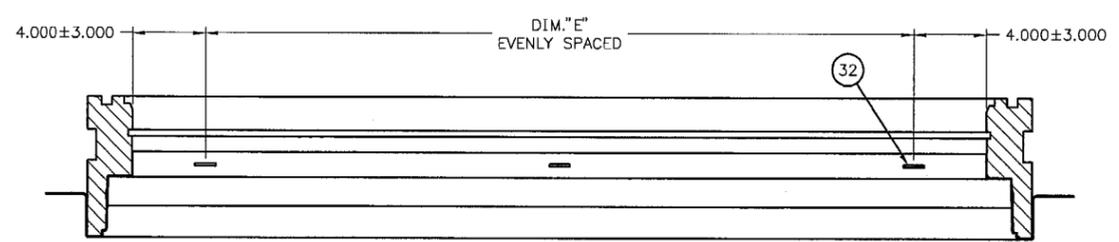


SECTION C-C

SASH & STOPS
NOT SHOWN

SECTION A-A

SASH & STOPS
NOT SHOWN



SECTION B-B

SASH & STOPS
NOT SHOWN

UNIT DES.	DIM. "D" QTY	DIM. "E" QTY
CXW145	3	3
CXW14	3	3
CXW135	3	3
CXW13	2	3
CW16	4	3
CW155	4	3
CW15	4	3
CW145	3	3
CW14	3	3
CW135	3	3
CW13	2	3
CW125	2	3
CW12	2	3
C16	4	3
C155	4	3
C15	4	3
C145	3	3
C14	3	3
C135	3	3
C13	2	3
C125	2	3
C12	2	3
CN16	4	2
CN155	4	2
CN15	4	2
CN145	3	2
CN14	3	2
CN135	3	2
CN13	2	2
CN125	2	2
CN12	2	2
CR16	4	2
CR155	4	2
CR15	4	2
CR145	3	2
CR14	3	2
CR135	3	2
CR13	2	2
CR125	2	2
CR12	2	2

STAPLES

UNIT DES.	DIM. "A" ±.025	DIM. "B" ±.025	DIM. "C" ±.025
CXW145	12.328	12.599	12.245
CXW14	9.921		
CXW135	12.563		
CXW13	10.125	12.375	N/A
CW16	16.125		
CW155	12.593	18.333	17.979
CW15	10.125		
CW145	12.328	12.599	12.245
CW14	9.921		
CW135	12.563	12.375	N/A
CW13	10.125		
CW125	12.531	N/A	N/A
CW12	10.406		
C16	16.125		
C155	12.593	18.333	17.979
C15	10.125		
C145	12.328	12.599	12.245
C14	9.921		
C135	12.563	12.375	N/A
C13	10.125		
C125	12.531	N/A	N/A
C12	10.406		
CN16	16.125		
CN155	12.593	18.333	17.979
CN15	10.125		
CN145	12.328	12.599	12.245
CN14	9.921		
CN135	12.563	12.375	N/A
CN13	10.125		
CN125	12.531	N/A	N/A
CN12	10.406		
CR16	16.125		
CR155	12.593	18.333	17.979
CR15	10.125		
CR145	12.328	12.599	12.245
CR14	9.921		
CR135	12.563	12.375	N/A
CR13	10.125		
CR125	12.531	N/A	N/A
CR12	10.406		

KEEPER DIMENSIONS

UNIT DES.	DIM. "F" ±.025	DIM. "G" ±.025	DIM. "H" ±.025
CXW145	11.244	12.599	12.245
CXW14	8.838		
CXW135	11.478	12.375	N/A
CXW13	9.041		
CW16	15.041		
CW155	11.510	18.333	17.979
CW15	9.041		
CW145	11.244	12.599	12.245
CW14	8.838		
CW135	11.478	12.375	N/A
CW13	9.041		
CW125	11.447	N/A	N/A
CW12	9.322		
C16	15.041		
C155	11.510	18.333	17.979
C15	9.041		
C145	11.244	12.599	12.245
C14	8.838		
C135	11.478	12.375	N/A
C13	9.041		
C125	11.447	N/A	N/A
C12	9.322		
CN16	15.041		
CN155	11.510	18.333	17.979
CN15	9.041		
CN145	11.244	12.599	12.245
CN14	8.838		
CN135	11.478	12.375	N/A
CN13	9.041		
CN125	11.447	N/A	N/A
CN12	9.322		
CR16	15.041		
CR155	11.510	18.333	17.979
CR15	9.041		
CR145	11.244	12.599	12.245
CR14	8.838		
CR135	11.478	12.375	N/A
CR13	9.041		
CR125	11.447	N/A	N/A
CR12	9.322		

LOCK DIMENSIONS

APPROVED AS COMPLYING WITH THE
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DATE JAN 17 2002
BY Manuel Perez
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0612-01

TITLE
UNIT ASSEMBLY,
CASEMENT - IMPACT

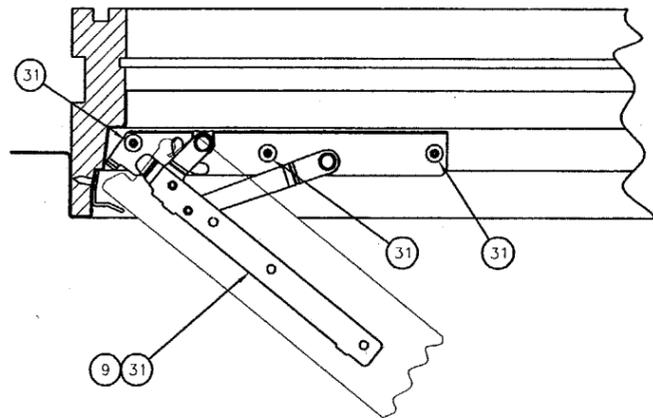
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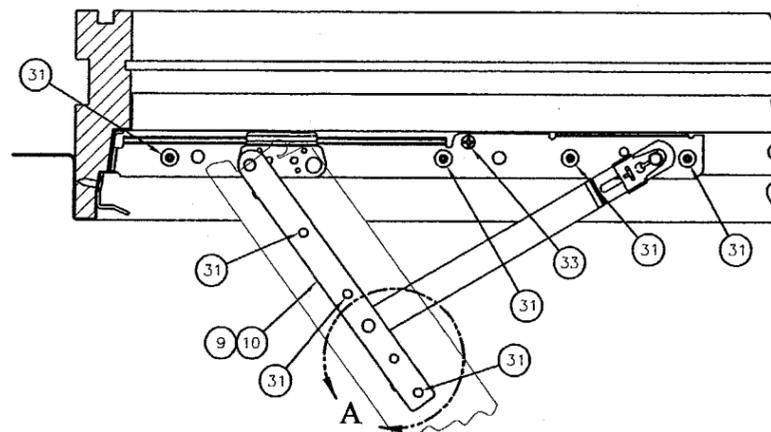
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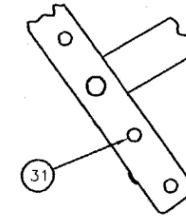
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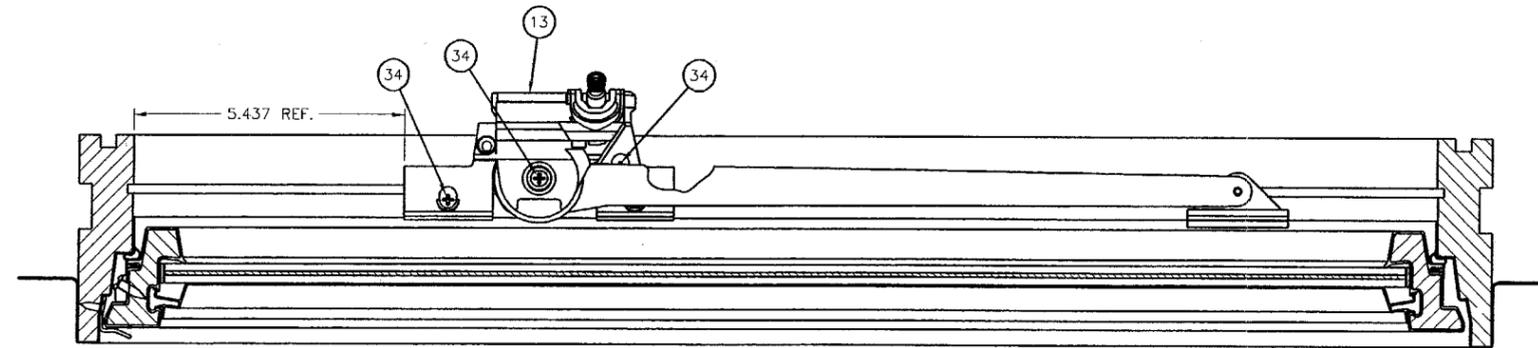
4 BAR (STRAIGHT ARM) HINGE



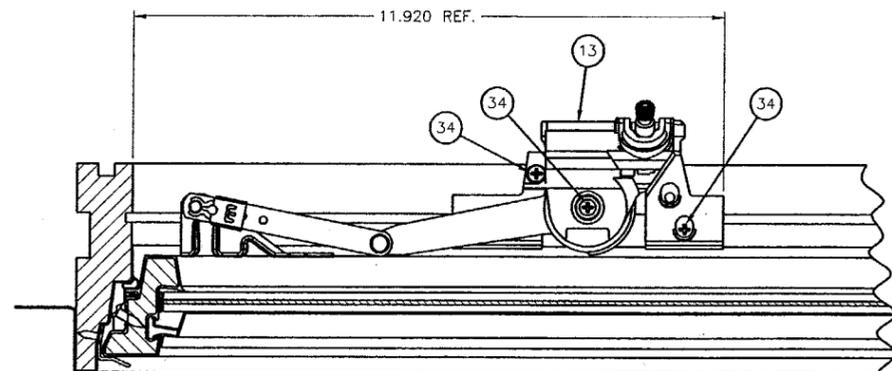
STANDARD AND 20 INCH SPLIT ARM HINGE



VIEW -A-
ADDITIONAL SCREW NEEDED
FOR CW15-16



STRAIGHT ARM OPERATOR



SPLIT ARM OPERATOR

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SOUTH FLORIDA BUILDING CODE
DATE JAN 17 2002
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0612-01

TITLE	
UNIT ASSEMBLY, CASEMENT - IMPACT	
Andersen Corporation Bayport, Minnesota 55003	
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