



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

Dor-O-Matic Inc., Division of Ingersoll-Rand Company
7350 W. Wilson Avenue
Harwood Heights ,IL 60656-4786

Your application for Notice of Acceptance (NOA) of:

Series "Astro-Glass" Aluminum Automatic Sliding Glass Doors

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.: 01-0402.01
EXPIRES: 04/01/2006

**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: 05/10/2001



Dor-O-Matic, Inc.,
Division of Ingersoll Rand Company

ACCEPTANCE No.: 01-0402.01

APPROVED : MAY 10 2001

EXPIRES : April 01, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1** This renews the Notice of Acceptance No. 97-0603.02, which was issued on April 01, 1998. It approves an aluminum automatic sliding door, 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 **Astro-Glass Automatic Aluminum Sliding Glass Door with Fixed Panels and Break outswing capability**, and its components shall be constructed in strict compliance with the following documents: Drawing No. **B 8211000063**, Sheets 1 through 2 of 2, titled "Astro-Glass Hurricane Door Unit", prepared by manufacturer, dated 12/06/96 with revision B dated 02/13/98, and revision C dated 03/20/98, 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.
3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration.

4. INSTALLATION

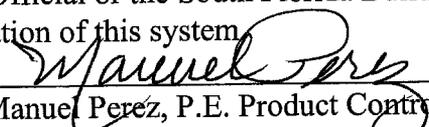
- 4.1** The aluminum automatic sliding glass door and its components shall be installed in strict compliance with the approved drawings.
4.2 Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

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

Dor-O-Matic, Inc.,
Division of Ingersoll Rand Company

ACCEPTANCE No.: 01-0402.01

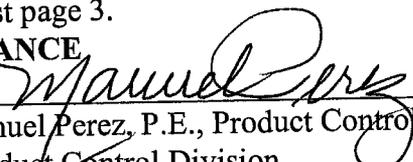
APPROVED : MAY 10 2001

EXPIRES : April 01, 2006

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.

END OF THIS ACCEPTANCE


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

Dor-O-Matic, Inc.,
Division of Ingersoll Rand Company

ACCEPTANCE No.: 01-0402.01

APPROVED : MAY 10 2001

EXPIRES : April 01, 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **B 8211000063**, Sheets 1 and 2 of 2, titled "Astro-Glass Hurricane Door Unit," prepared by manufacturer, dated 12/06/96 with revision A dated 07/03/97, revision B dated 02/03/98 and revision C dated 03/20/98.

B. TESTS

Submitted under approval No. 97-0603.02

1. Test reports on: 1) Air Infiltration Test, per PA 202-94
2) Uniform Static Air Pressure Test, Loading per PA 202-94
3) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94.
4) Large Missile Impact Test, SFBC PA 201-94
5) Cyclic Loading Test, per SFBC PA 203-94
along with installation diagram of an automatic aluminum sliding glass door with fixed panels, prepared by American Test Lab of South Florida, Test Report No. **ATL-1216.01-96**, dated December 18, 1996, signed and sealed by William R. Mehner, P.E.

C. CALCULATIONS

Submitted under approval No. 97-0603.02

1. Anchor calculations for, NT Dor-O-Matic, Inc. sliding glass doors, prepared by S. E. & Associates Consulting Engineers, Inc. dated 8/96 and, signed and sealed by Sanjeev N. Shah, P.E.

D. MATERIAL CERTIFICATIONS

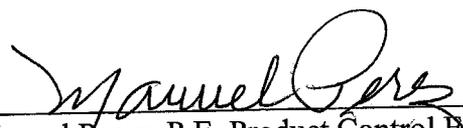
1. None.

E. STATEMENTS

1. None

F. OTHERS

1. Notice of Acceptance No. **97-0603.02** issued to NT Dor-O-Matic, Inc. for their Astro-Glass Hurricane Door Unit, dated 3/26/98, expiring 3261/01.


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

Dor-O-Matic, Inc.,
 Division of Ingersoll Rand Company

ACCEPTANCE No.: 01-0402.01

APPROVED : MAY 10 2001

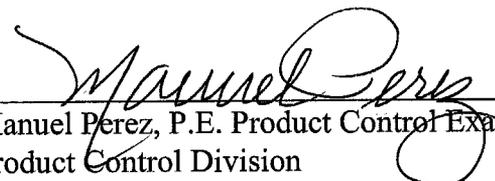
EXPIRES : April 01, 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA.)

TESTS PERFORMED

RESULTS:

TEST	TEST LOADS	DESIGN LOADS
AIR INFILTRATION @ 1.57 PSF SFBC PA 202-94 (<1.25 CFM/FT ²)	0.41 CFM/FT ²	-----
UNIFORM STATIC PRESSURE DESIGN LOAD SFBC PA 202-94 POSITIVE	+44.0 PSF	+44.0 PSF
UNIFORM STATIC PRESSURE DESIGN LOAD SFBC PA 202-94 NEGATIVE	-44.0 PSF	-44.0 PSF
WATER RESISTANCE (PSF) SFBC PA 202-94	Not Tested	-----
UNIFORM STATIC PRESSURE FULL TEST LOAD SFBC PA 202-94 POSITIVE	+66.0 PSF	+44.0 PSF
UNIFORM STATIC PRESSURE FULL TEST LOAD SFBC PA 202-94 NEGATIVE	-66.0 PSF	-44.0 PSF
FORCED-ENTRY RESISTANCE (FER) SFBC PA 202-94 & AAMA 1303.5	SATISFACTORY	-----
Design Pressure Rating (Positive)		+44.0 PSF
Design Pressure Rating (Negative)		-44.0 PSF


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

REV.	E.C.N. NO.	DATE	DESCRIPTION
-		12/4/96	INITIAL RELEASE
A		7/3/97	UPDATED TITLE BLOCK
B		2/13/98	ADDED AS NOTED
C		3/20/98	ADDED AS NOTED

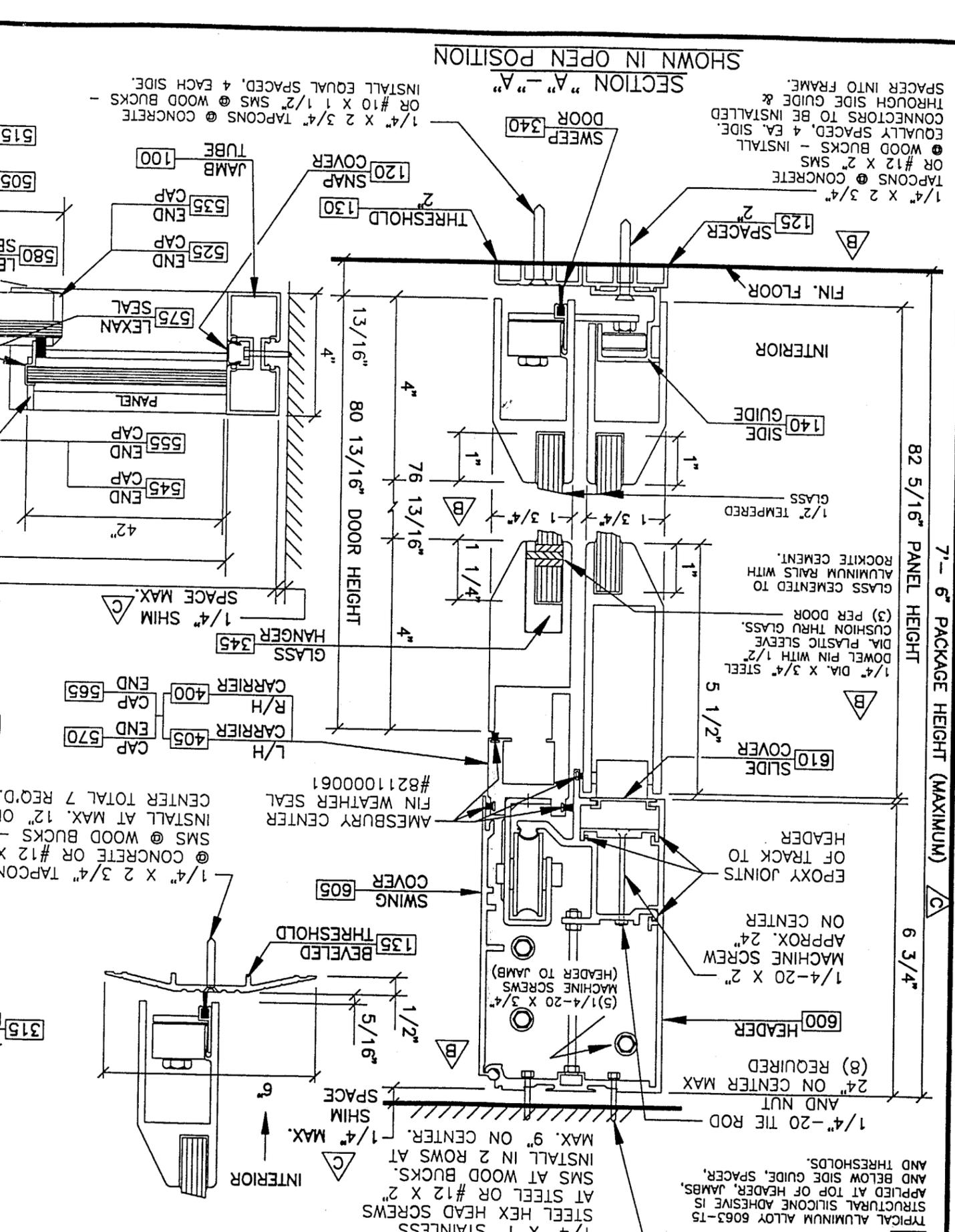
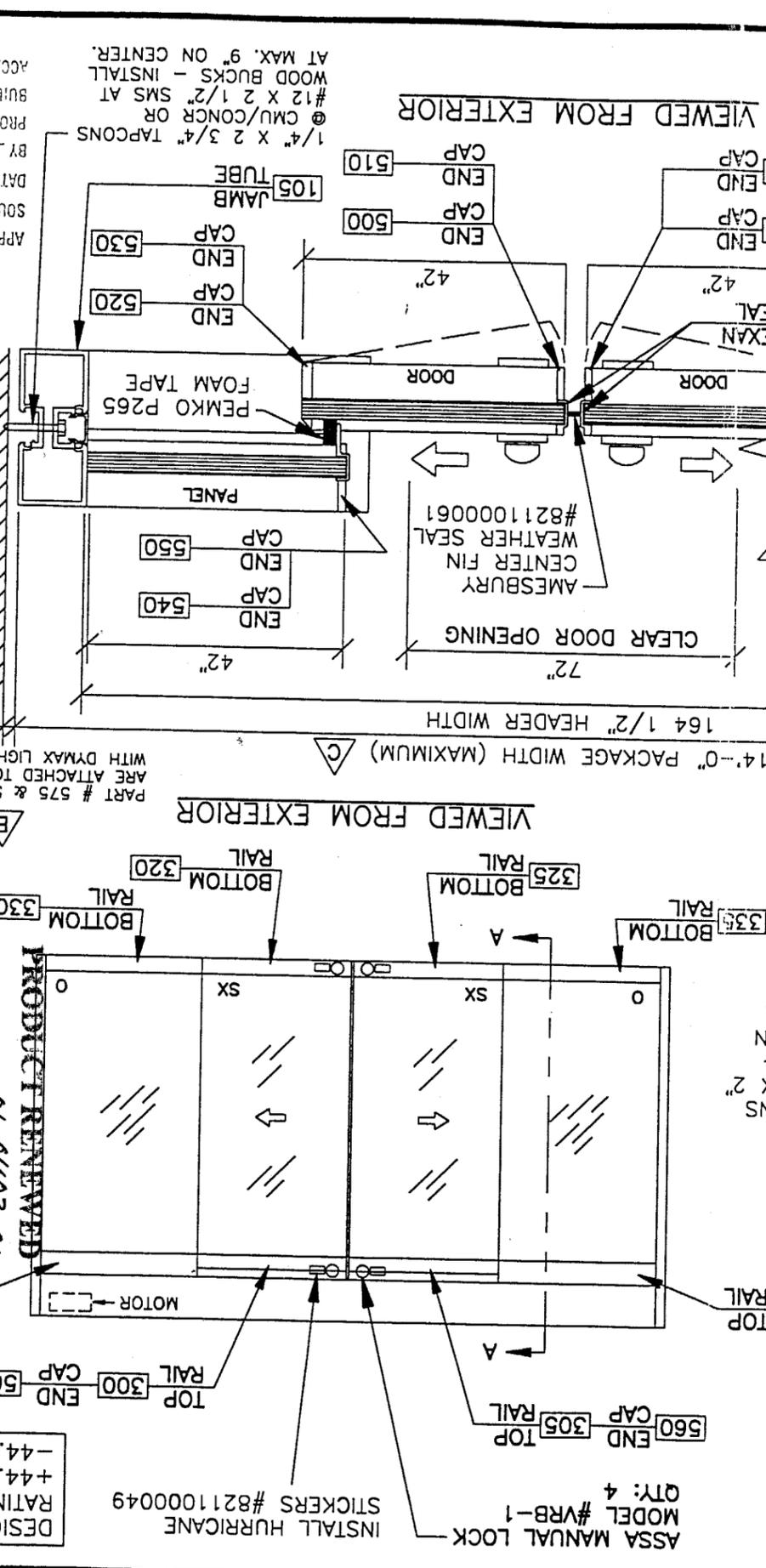
REV.	LETTER	DRAWING NO.
C-	B	8211000063

NT DOR-O-MATIC GREENDALE INC.
ASTRO-GLASS
HURRICANE DOOR UNIT

SCALE: REF. NUMBER 8211000063

DATE: 12/4/96
 DRAWN BY: J.P.H.
 CHECKED BY: Jc

DATE: 12/5/96



NOTE: TYPICAL ALUMINUM ALLOY 6063-T5 STRUCTURAL SILICONE ADHESIVE IS APPLIED AT TOP OF HEADER, JAMBS, AND BELOW SIDE GUIDE, SPACER, AND NUT. 1/4"-20 TIE ROD AND NUT 24" ON CENTER MAX (8) REQUIRED. 1/4-20 X 2" MACHINE SCREW (HEADER TO JAMB) (5) 1/4-20 X 3/4" MACHINE SCREWS (SWING COVER 605) EPOXY JOINTS OF TRACK TO HEADER. 1/4-20 X 2" MACHINE SCREW APPROX. 24" ON CENTER. 1/4" X 1" STAINLESS STEEL HEX HEAD SCREWS AT STEEL OR #12 X 2" SMS AT WOOD BUCKS. INSTALL IN 2 ROWS AT MAX. 9" ON CENTER. 1/4" SHIM SPACE 6".

ACCEPTANCE NO. 01-0402.01
 EXPIRATION DATE 4-1-06
 By *M. J. Green*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 SHEET 1 OF 2

REV.	E.C.N. NO.	DATE	DESCRIPTION	MADE BY
-		12/4/96	INITIAL RELEASE	JPH
A		7/3/97	UPDATED TITLE BLOCK	JPH
B		2/13/98	ADDED AS NOTED	Jc
C		3/20/98	ADDED AS NOTED	Jc

DESIGN PRESSURE: +44.0 PSF, -44.0 PSF
 RATING: 12/4/96
 DATE: 12/5/96

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE DATE: April 1, 1998 BY: *M. J. Green* PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 97-0603.02

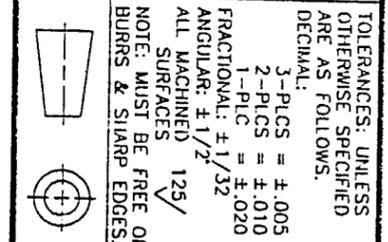
ITEM NO.	DRAWING NUMBER	DESCRIPTION	REF. DIMENSION	OVERALL LENGTH	QTY.	MATERIAL
XXX	8211000063	HURRICANE DOORS			1	
XXX	8211000090	BILL OF THE MATERIAL			1	
100	8211000041	GROOVED JAMB TUBE	1 3/4" X 4"	7'-6"	1	ALUMINIUM 6063
105	8211000040	GROOVED JAMB TUBE	1 3/4" X 4"	7'-6"	1	ALUMINIUM 6063
120	8211000030	SNAP IN COVER STRIP FOR GROOVED JAMB TUBE	.48 X .88	89 7/8"	2	ALUMINIUM 6063
125	8211000028	SPACER	1/2" X 1 25/32"	42 7/16"	2	ALUMINIUM 6063
130	8211000034	2" THRESHOLD	1/2" X 2"	42 7/16"	2	ALUMINIUM 6063
135	8211000035	6" THRESHOLD	1/2" X 6"	79 5/8"	1	ALUMINIUM 6063
140	8211000036	SIDE GUIDE	1 9/16" X 1 5/8"	42"	2	ALUMINIUM 6063
150	8211000074	LOOSE PARTS BOARD OUTSIDE SLIDE L/H	-		1	
155	8211000075	LOOSE PARTS BOARD OUTSIDE SLIDE R/H	-		1	
300	8211000071	R/H DOOR TOP RAIL	1 3/4" X 4"	41 9/16"	1	ALUMINIUM 6063
305	8211000070	L/H DOOR TOP RAIL	1 3/4" X 4"	41 9/16"	1	ALUMINIUM 6063
310	8211000065	R/H PANEL TOP RAIL	1 3/4" X 4"	41 7/8"	1	ALUMINIUM 6063
315	8211000064	L/H PANEL TOP RAIL	1 3/4" X 4"	41 7/8"	1	ALUMINIUM 6063
320	8211000066	R/H DOOR BOTTOM RAIL	1 3/4" X 4"	41 9/16"	1	ALUMINIUM 6063
325	8211000067	L/H DOOR BOTTOM RAIL	1 3/4" X 4"	41 9/16"	1	ALUMINIUM 6063
330	8211000068	R/H PANEL BOTTOM RAIL	1 3/4" X 4"	41 7/8"	1	ALUMINIUM 6063
335	8211000069	L/H PANEL BOTTOM RAIL	1 3/4" X 4"	41 7/8"	1	ALUMINIUM 6063
340	8211000076	SWEEP ASSEMBLY	1/4" X 1 1/2"	41 1/2"	2	ALUM 6063/NYLON
345	8211000091	GLASS HANGER	3/4" X 2"	41 9/16"	1	ALUMINIUM 6063
400	8211000072	R/H CARRIER MACHINING	1 3/4" X 2 11/16"	41 13/16"	1	ALUMINIUM 6063
405	8211000073	L/H CARRIER MACHINING	1 3/4" X 2 11/16"	41 13/16"	1	ALUMINIUM 6063
500	8211000081	R/H DOOR TOP RAIL END CAP (NOSE)	3/16" X 1 3/4"	4.000	1	ALUMINIUM 6063
505	8211000081	L/H DOOR TOP RAIL END CAP (NOSE)	3/16" X 1 3/4"	4.000	1	ALUMINIUM 6063
510	8211000082	R/H DOOR BOTTOM RAIL END CAP (NOSE)	1/8" X 1 3/4"	4.000	1	ALUMINIUM 6063
515	8211000087	L/H DOOR BOTTOM RAIL END CAP (NOSE)	3/16" X 1 3/4"	4.000	1	ALUMINIUM 6063
520	8211000080	R/H DOOR TOP RAIL END CAP (HEEL)	1/4" X 1 3/4"	4.000	1	ALUMINIUM 6063
525	8211000080	L/H DOOR TOP RAIL END CAP (HEEL)	1/4" X 1 3/4"	4.000	1	ALUMINIUM 6063
530	8211000079	R/H DOOR BOTTOM RAIL END CAP (HEEL)	1/4" X 1 3/4"	4.000	1	ALUMINIUM 6063
535	8211000079	L/H DOOR BOTTOM RAIL END CAP (HEEL)	1/4" X 1 3/4"	4.000	1	ALUMINIUM 6063
540	8211000083	R/H PANEL BOTTOM RAIL END CAP (NOSE)	3/16" X 1 3/4"	5 1/2"	1	ALUMINIUM 6063
545	8211000083	L/H PANEL BOTTOM RAIL END CAP (NOSE)	3/16" X 1 3/4"	5 1/2"	1	ALUMINIUM 6063
550	8211000088	R/H PANEL BOTTOM RAIL END CAP (NOSE)	3/16" X 1 3/4"	4.000	1	ALUMINIUM 6063
555	8211000089	L/H PANEL BOTTOM RAIL END CAP (NOSE)	1/8" X 1 3/4"	4.000	1	ALUMINIUM 6063
560	8211000084	TOP DOOR RAIL END CAP - PIVOT END	3/16" X 7/8"	1 11/16"	2	ALUMINIUM 6063
656	8211000085	CARRIER END CAP (NOSE)	1/8" X 1 11/16"	1 3/4"	2	ALUMINIUM 6063
570	8211000086	CARRIER END CAP (HEEL)	1/8" X 1 11/16"	1 3/4"	2	ALUMINIUM 6063
575	8211000077	LEXAN SEAL	3/8" X 5/8"		2	LEXAN
580	8211000078	LEXAN SEAL	3/8" X 1 1/4"		2	LEXAN
600	8211000031	HEADER - MACH. DWG.	4" X 6 3/4"	164 1/2"	1	ALUMINIUM 6063
605	8211000042	SWING COVER	1/2" X 6 3/4"	164 7/16"	1	ALUMINIUM 6063
610	8211000043	SLIDE COVER	.23 X 1.49	80 7/16"	1	ALUMINIUM 6063
615	8211000050	TRACK MACHINING	2 1/8" X 3 3/8"	164 1/2"	1	ALUMINIUM 6063
XXX	8211000053	INTERLOCKING STRIP GLUING INSTRUCTIONS	-			
XXX	8211000009	INTERLOCKING STRIP EXTRUSION	.2 X 1 3/4"	160 1/2"	1	ALUMINIUM 6063
XXX	8211000010	L/H PIVOT ASSEMBLY	-		1	
XXX	8211000011	R/H PIVOT ASSEMBLY	-		1	
XXX	8211000014	CARRIER END CAP & WEATHER STRIP ASSEMBLY	5/16" X 1 3/4"	1.688	2	DELRI
XXX	8211000019	ANTI-JAR BRACKET	5/8" X 1 1/4"	24"	2	10 GA. COLD ROLL STEEL
XXX	8211000022	SHIM FOR UNDER ANTI-JAR BRACKET	.06 X 1.0	24"	8	STAINLESS STEEL
XXX	8211000046	BRACKET ASS'Y.-PANEL TOP RAIL HINGE STILE END	3/4" X 2"		2	ALUMINIUM 6063
XXX	8211000047	MOUNTING BLOCK FOR PANELS	1 1/4" X 1 1/2"	1.750	2	ALUMINIUM 6063
XXX	8211000048	ANTI-JAR WHEEL INSTALLATION INSTRUCTIONS	1.79 DIA.	1 1/4"	4	LEDLOY
XXX	8211000049	DOOR LOCK STILE STICKER LABEL	-	1.750	4	
XXX	8211000061	AMESBURY WEATHERSEAL	.19 X .35	56 FT.	1	NYLON

ACCEPTANCE NO. 01-0402.01
 EXPIRATION DATE 4-1-06
 APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE April 1 1998
 BY *M. Williams*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 97-0603.02
 APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE *M. Williams*
 BY *M. Williams*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

PRODUCT RENEWED
 TITLE BILL OF THE MATERIAL
 FOR WIND TEST - ASTRO-GLASS
 MATERIAL
 DRAWN BY T. THAO
 CHECKED BY JC
 DATE 12/6/96

REV.	EC.N. NO.	DATE	DESCRIPTION	MADE BY	HEAT TREAT	REV. LETTER	DRAWING NO.
-		12/6/96	INITIAL RELEASE	JPH		B	8211000063
A		7/3/97	CHANGED TITLE BLOCK, DRAWING NO. TO REFERENCE NO. ADDED SHEET NO.	JPH			
B		2/13/98	ADDED REF. DIM. COLUMN CHANGED COLOR TO MATERIAL	JPH			
C							
D							
E							
F							



SHEET 2 OF 2

NT DOR-O-MATIC GREENDALE INC.