



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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Dorma Automatics, Inc.
924 Sherwood Drive
Lake Bluff, IL 60044

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "ESA 300" Aluminum Automatic Sliding Glass Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. **05-DOA-0004**, titled "ESA 300 Series Automatic Sliding Glass Doors (Large Missile Impact Resistant)", sheets 1 through 4 of 4, prepared by Dorma Automatics, Inc./Wolters Engineering, dated 05/09/2006, and last revised on 11/26/2007, signed and sealed by Scott Wolters, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile and Small Missile Impact Resistant

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 revises NOA # **06-0518.04** and consists of this page 1 and evidence pages E-1and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
 12/20/07

NOA No. 07-0625.03
 Expiration Date: February 01, 2012
 Approval Date: January 11, 2008
 Page 1

Dorma Automatics, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

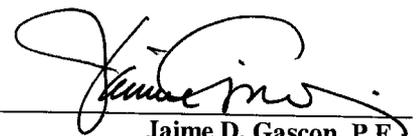
1. Manufacturer's die drawings and sections.
2. Drawing No **05-DOA-0004**, titled "ESA 300 Series Automatic Sliding Glass Doors (Large Missile Impact Resistant)", sheets 1 through 4 of 4, prepared by Dorma Automatics, Inc./ Wolters Engineering, dated 05/09/2006, and last revised on 11/26/2007, signed and sealed by Scott Wolters, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
Along with marked-up drawings and installation diagram, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0357-0107-06**, dated 04/20/2007, signed and sealed by Vinu J. Abraham, 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 202-94
3) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
Along with marked-up drawings and installation diagram of an automatic aluminum sliding glass door, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0357-0326-05**, dated 05/25/2005, signed and sealed by Vinu J. Abraham, P.E. *(Submitted under NOA# 06-0518.04)*
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
Along with marked-up drawings and installation diagram of an automatic aluminum sliding glass door, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0357-0606-05**, dated 09/09/2005, signed and sealed by Vinu J. Abraham, P.E. *(Submitted under NOA# 06-0518.04)*

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2004, prepared by Wolters Engineering, dated 11/26/2007, signed and sealed by Scott Wolters, P.E.
Complies with ASTM E1300-98



Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No. 07-0625.03
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D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

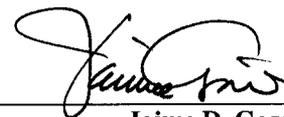
1. Notice of Acceptance No. **03-0415.13** issued to Solutia Inc. for their “**Vanceva Composites used for lamination of glass**” dated December 11, 2003, expiring on December 11, 2008.
2. Notice of Acceptance No. **05-1208.02** issued to E.I. DuPont DeNemours Nemours & CO., Inc. for “**DuPont Butacite PVB. Interlayer.**” dated January 05, 2006, expiring on December 11, 2010.
3. Notice of Acceptance No. **04-0818.01** issued to E.I. DuPont DeNemours for “**Sentry Glass ® Type 457**”, dated 01/13/05, expiring on 01/13/10.

F. STATEMENTS

1. Statement letter of conformance, independence, no financial interest and compliance, prepared by Wolters Engineering, dated 12/19/2007, signed and sealed by Scott Wolters, P.E.
2. Statement letter of conformance, independence, no financial interest and compliance, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E. (*Submitted under NOA# 06-0518.04*)
3. Statement letter of conformance prepared by Hurricane Test Laboratory, LLC, Test Report No.'s **HTL-0357-0107-06, HTL-0357-0326-05 and HTL-0357-0606-05**, dated 04/20/2007, 05/25/2005 and 09/09/2005, signed and sealed by Vinu J. Abraham, P.E. (*Submitted under NOA# 06-0518.04*)

G. OTHER

1. Notice of Acceptance No. **06-0518.04**, issued to Dorma Automatics, Inc. for their Series “**ESA 300 Series Automatic Sliding Glass Doors (Large Missile Impact Resistant)**”, approved on 02/01/2007 and expiring on 02/01/2012.



Jaime D. Gascon, P.E.

Chief, Product Control Division

NOA No. 07-0625.03

Expiration Date: February 01, 2012

Approval Date: January 11, 2008

ESA 300 AUTOMATIC SLIDING GLASS DOOR

LARGE MISSILE IMPACT RESISTANT - FULL BREAKOUT

8/28/07

SEAL: *Scott Wolters*
 NOV 26 2007

SCOTT WOLTERS
 FL PE# 62354
 WOLTERS ENGINEERING
 (CO. # 27194)
 322 BUCHANAN #09
 HOLLYWOOD, FL 33019
 PH/FAX: (954) 921-8828

DORMA AUTOMATICS
 924 SHERWOOD DRIVE
 LAKE BLUFF, ILLINOIS 60044


ESA300 SERIES
 AUTOMATIC SLIDING GLASS DOORS
 (LARGE MISSILE IMPACT RESISTANT)

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0625-03
 Effective Date 02/01/2012
 By *Scott Wolters*
 Miami-Dade Product Control
 Division

05-DOA-0004

SCALE: N.T.S. 01

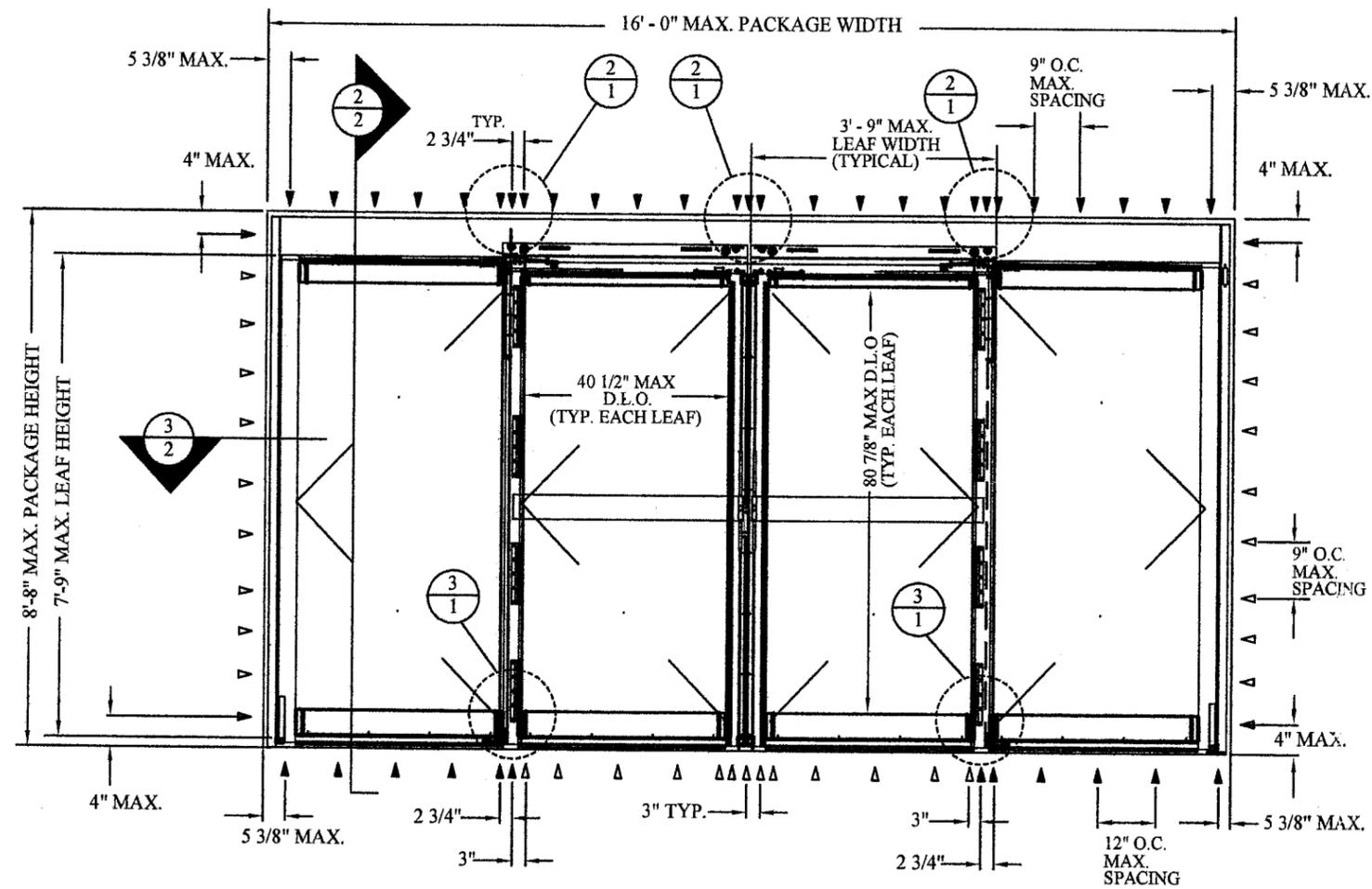
4

1

DESIGN PRESSURE RATING			
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	
GLAZING TYPES	"B" OR "C"	"B"	"C"
POSITIVE	NOT APPROVED	+45 PSF	+45 PSF
NEGATIVE	NOT APPROVED	-45 PSF	-45 PSF

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED AND DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE - HIGH VELOCITY HURRICANE ZONE (HVHZ) - AND HVHZ TEST PROTOCOL TAS 201, 202, & 203 AS LARGE MISSILE IMPACT RESISTANT SYSTEM.
2. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3. POSITIVE & NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING BODY.
4. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. WHERE SITE CONDITIONS DIFFER FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
5. PERMIT HOLDER SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND ADDITIONAL IMPOSED LOADS. WOOD BUCKS NOT BY THIS PRODUCT MANUFACTURER SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE HOST STRUCTURE.
6. THE PRODUCT DETAILED HEREIN HAS BEEN DESIGNED AND TESTED TO THE MAXIMUM SPANS & LOADS SHOWN ON THESE DRAWINGS.
7. ALL ALUMINUM EXTRUSIONS ARE 6063-T5 OR 6063-T6 ALUMINUM.
8. ALL UNITS ARE LARGE MISSILE IMPACT RESISTANT AND DO NOT REQUIRE IMPACT RESISTANT SHUTTERS FOR ALL EXTERIOR DOORS INSTALLATIONS.
9. ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS, SPACED AS NOTED HEREIN. ANCHOR EMBEDMENT TO BASE MATERIAL DOES NOT INCLUDE WALL DRESSING OR STUCCO.
10. ALL BOLTS & WASHERS SHALL BE ZINC COATED, GALVANIZED, OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI, EXCEPT INSTALLATION ANCHORS.
11. ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR COATED.
12. STRUCTURAL SILICONE ADHESIVE IS APPLIED ATOP OF HEADER, JAMBS, AND BELOW SIDE GUIDE, SPACERS, AND THRESHOLDS.

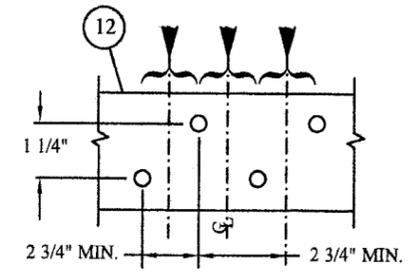


EXTERIOR ELEVATION

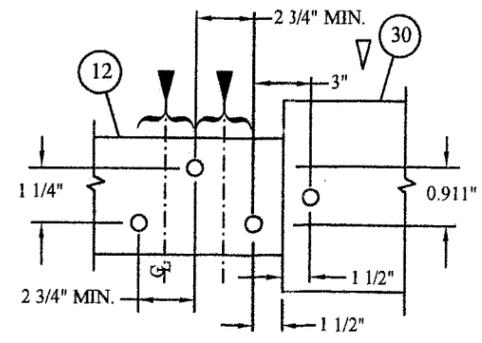
1 SO-SX-SX-SO (CONFIGURATION)
1 N.T.S. ELEV.

ANCHOR LEGEND:

- ▼ INDICATES SINGLE ANCHOR
- ▼ INDICATES STAGGERED PAIR OF ANCHORS (CENTERLINE SHOWN ON ELEVATION)



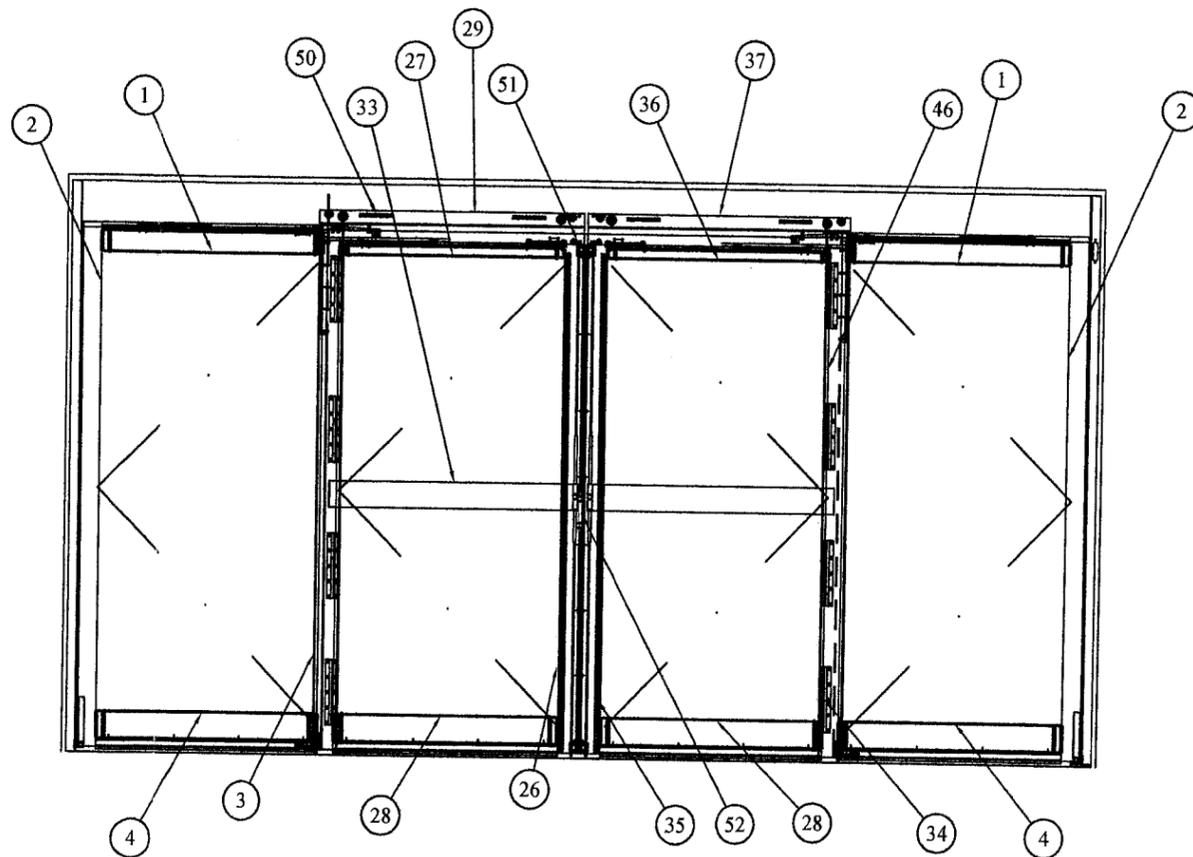
2 HEAD CLUSTER
1 N.T.S. PLAN VIEW



3 SILL CLUSTER
1 N.T.S. PLAN VIEW

BILL OF MATERIALS

ITEM	PART NUMBER	DESCRIPTION	QUANT
1	DE0199-03A	SO TOP RAIL ASSEMBLY ESA300	2
2	DE0203-01	SO PIVOT ASSEMBLY ESA300	2
3	DE0202-01	SO INTERLOCK / PIVOT RAIL ASSEMBLY ESA300	2
4	DE0188-01	SO BOTTOM RAIL ASSEMBLY ESA300	2
5	DE0200-01	JAMB DOUBLE POCKET	1
6	DE0158-03	HEADER FACE PLATE	1
7	DE0155-04	HEADER ASSEMBLY (REGULAR)	1
8	DE0159-02	HEADER ADAPTER	1
9	DS1979-010	SO BTM PIVOT ASSEMBLY	2
10	DF0628-00G	10-24 X 3/4 PHILIPS FL CS.SS	8
11	DE2212-020	WEATHER STRIP 11/16"	16
12	DE0195-010	BOTTOM TRACK	1
13	DE0234-010	TRACK CAP	1
14	DC0234-010	SIDE CARRIER	2
15	DC1498-010	HEADER BACK BLOCK	2
16	DF0728-01Z	1/4-20 X 1" HX-HD MS GR5 ZINC	10
17	DF0939-01Z	A6.4 (M6) SPRING WASHER ZINC	10
18	DC0831-010	COVER HOLDING BAR	1
19	DF0999-01Z	10-24 X 3/4" PH FL HD UNC ZINC	4
20	DE1767-010	GLASS STOP EXT.	1
21	DE0210-010	GLASS STOP 1/4" SNAP	1
22	DE0148-020	GLAZING BEAD CO-EXTRUSION	1
23	DF0385-010	RIVET NUT 1/4-20 SF UNC IFC STEEL	10
24			
25			
26	DS1725-010	SX LEAD RAIL ASSEMBLY ESA300	1
27	DS1727-010	SX TOP RAIL ASSEMBLY ESA300	1
28	DS1728-010	SX BOTTOM RAIL ASSEMBLY ESA300	2
29	DS1724-010	CARRIER ASSEMBLY	1
30	DS1982-010	THRESHOLD BI-PART (MACHINED)	1
31	DC0837-010	BOTTOM PLATE	1
32	DF0848-01Z	1/4-20 X 1/2 FL HD SOC SC ZINC	4
33	DC0982-01	PANIC DEVICE ADAMS RITE	2
34	DS1831-010	SX PIVOT ASSEMBLY ESA300	1
35			
36	DS1832-010	SX TOP RAIL ASSEMBLY ESA300	1
37	DS1833-010	CARRIER ASSEMBLY	1
38			
39			
40			
41			
42	DC1766-010	ASTRAGAL - L.H.	1
43	DC1701-010	ASTRAGAL - R.H.	1
44	DC1497-010	LATCH BLOCK	4
45	DC1700-010	PUSH BAR	2
46	DS1827-010	SO - INTERLOCK RAIL ASSEMBLY	1
47			
48			
49	DC0836-010	BREAKOUT INTERLOCK CLIP	4
50	DC0838-010	ANTI-DERAIL BLOCK	4
51	DC1978-01Z	BREAKOUT STOP	2
52	DC2492-01Z	CATCH PLATE	1



EXTERIOR ELEVATION

6
1 N.T.S.

ELEV.

9/17/07

SEAL: *Scott Wolters*
 SCOTT WOLTERS
 FL PE# 62354
 NOV 26 2007
 WOLTERS ENGINEERING
 (COA# 27194)
 322 BUCHANAN #609
 HOLLYWOOD, FL 33019
 PH/FAK: (954) 921-5828

DORMA
 DORMA AUTOMATICS
 924 SHERWOOD DRIVE
 LAKE BLUFF, ILLINOIS 60044

ESA300 SERIES
 AUTOMATIC SLIDING GLASS DOORS
 (LARGE MISSILE IMPACT RESISTANT)

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0625-03
 Expiration Date 02/01/2012
 By *[Signature]*
 Miami Code Product Control
 Division

05-DOA-0004

SCALE: N.T.S.

3

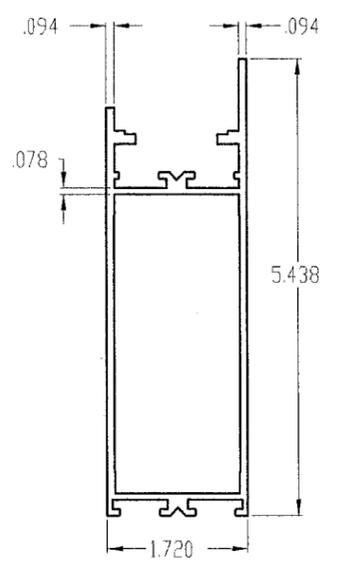
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8/30/07

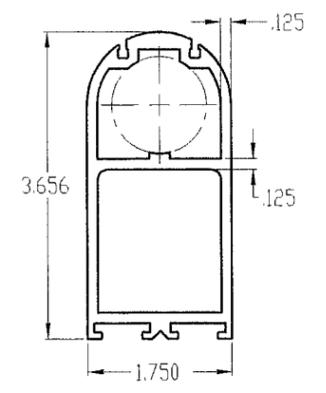
SEAL: *Scott Wolters*

NOV 26 2007

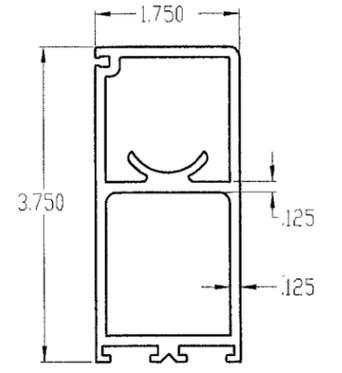
SCOTT WOLTERS
FL PE# 62354
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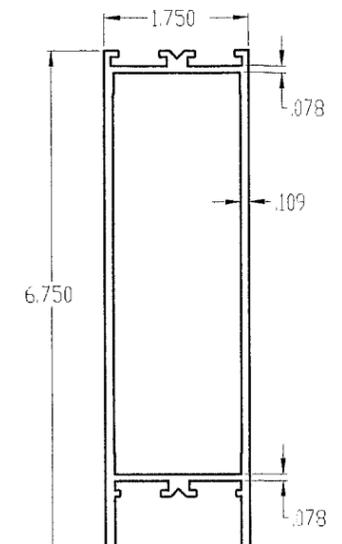
1 TOP RAIL O PANEL



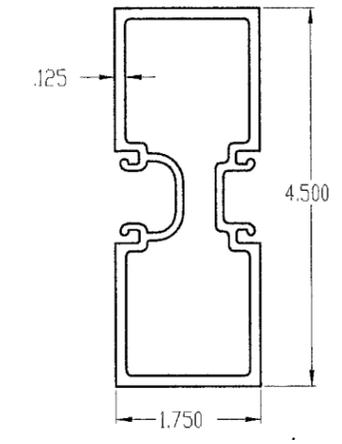
2 PIVOT RAIL



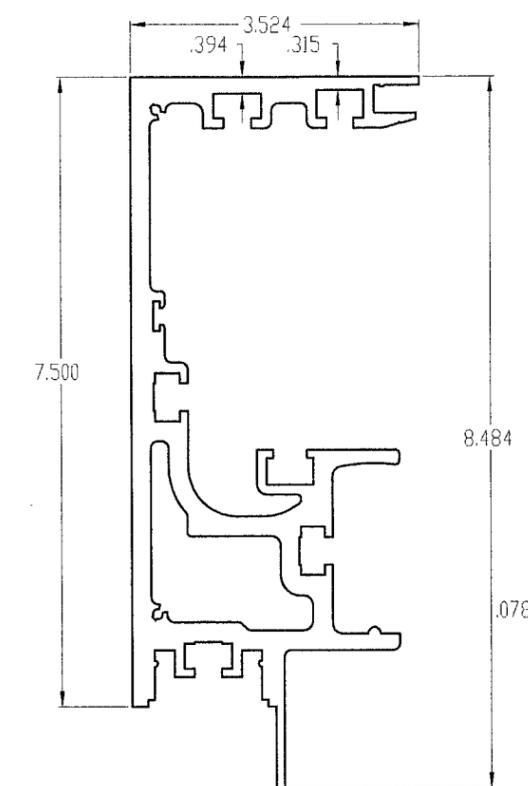
3 PIVOT RAIL/ INTERLOCK RAIL



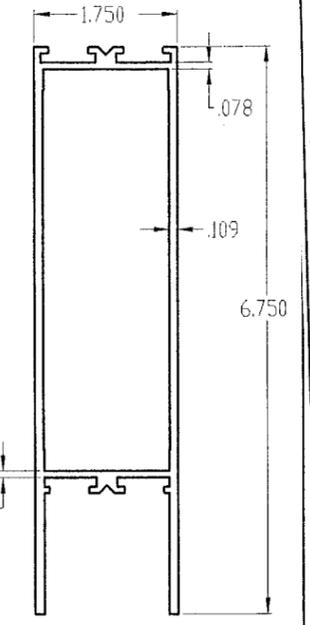
4 BOTTOM RAIL O PANEL



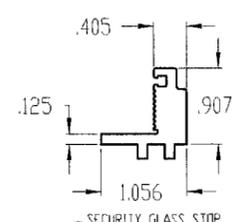
5 JAMB



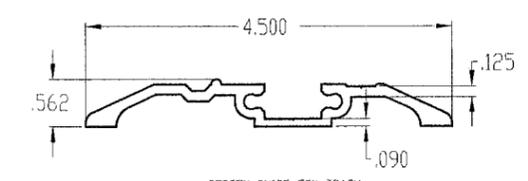
6 HEADER



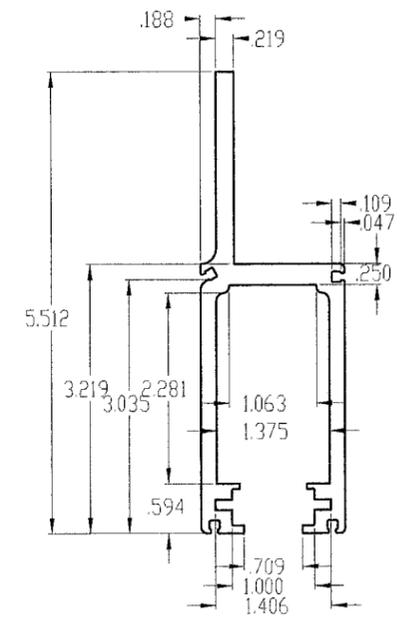
28 BOTTOM RAIL SX PANEL



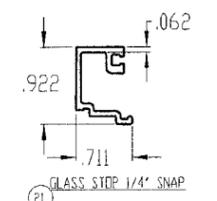
20 SECURITY GLASS STOP



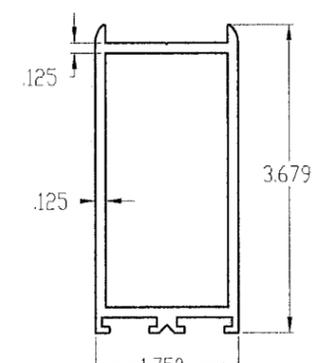
12 BOTTOM GUIDE OSX TRACK



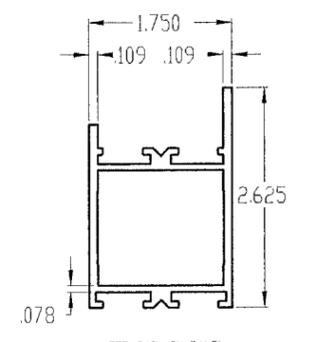
14 SIDE CARRIER



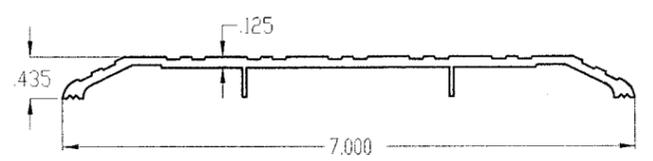
21 GLASS STOP 1/4" SNAP



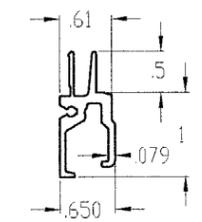
25 VERTICAL LOCK RAIL



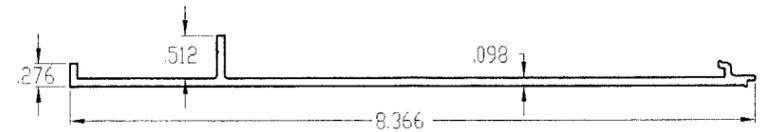
36 TOP RAIL SX PANEL



30 BI-PART THRESHOLD



8 HEADER ADAPTER



6 HEADER FACEPLATE

PRODUCT REVISED
By: *Scott Wolters*
Date: 02/01/2012

DORMA AUTOMATICS
924 SHERWOOD DRIVE
LAKE BLUFF, ILLINOIS 60044



ESA300 SERIES
AUTOMATIC SLIDING GLASS DOORS
(LARGE MISSILE IMPACT RESISTANT)

By: *Scott Wolters*
Date: 02/01/2012
Miamid Trade Product Council
Division

05-DOA-0004

SCALE: N.T.S.