



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)

www.buildingcodeonline.com

Stanley Access Technologies
65 Scott Swamp Road
Farmington, CT 06032

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 "2000" Aluminum Automatic Sliding Glass Door w/ reinforcements-Impact

APPROVAL DOCUMENT: Drawing No. **05-SAT-0021**, titled "Diamond series 2000, Automatic Sliding Glass Door", sheets 1 through 3 of 3, prepared by Frank L. Bennardo, P. E. Inc. Consulting Engineers, dated 08/05/2005, signed and sealed by Frank L. Bernando, 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: Large and Small Missile Impact Resistant

Limitation: 1. Electrical devices are not part of this approval and must be reviewed by corresponding authority.

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 # 05-0811.02** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOA No 06-0920.11
Expiration Date: December 20, 2011
Approval Date: December 07, 2006
Page 1



12/14/06

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS** (*Transferred from NOA# 05-0811.02*)
1. Manufacturers die drawings and sections.
 2. Drawing No. **05-SAT-0021**, titled "Diamond series 2000, Automatic Sliding Glass Door", sheets 1 thru 3 of 3, prepared by Frank L. Bennardo, P. E. Inc. Consulting Engineers, dtd 08/05/05, singed & sealed by Frank L. Bennardo, P.E.
- B. TESTS** (*Transferred from NOA# 05-0811.02*) Original test conducted per SFBC, PA 201, 202 and 203-94 now termed as TAS 201, 202 and 203-94
1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94 (Not Performed)
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
- Along with installation diagram of an automatic aluminum sliding glass door with fixed panels, prepared by Fenestration Testing Laboratory Test Report No. FTL00159 (3096) dated May 07, 2001 signed and sealed by Luis A. Figuerado, P.E.
- C. CALCULATIONS**
1. Anchor Verification Calculations, complying w/ FBC-2004, dated 07-11-2005, prepared, signed and sealed by Frank L. Bennardo, P. E.
 2. Anchor verification calculations and structural analysis, dated 06-04-01, prepared, signed and sealed by Frank L. Bennardo, P.E. (*NOA# 05-0811.02*)
 3. Glazing complies with ASTM E-1300-98 and -02
- D. QUALITY ASSURANCE**
1. Miami Dade Building Code Compliance Office (BCCO).
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. **02-1205.03** issued to Security Impact Glass Holding Inc., for "Saf-Glas", expiring on 12/06/2007.
- F. STATEMENTS** (*Transferred from NOA# 05-0811.02*)
1. Statement letter of Engineer still in business, dated 08-28-2006, signed and sealed by Frank L. Bennardo, P.E.
 2. Statement letter of anchor verification compliance to FBC-2004, dated August 08, 2005, signed by Frank L. Bennardo, P. E.
 3. Statement letter of conformance and "no financial interest", dated 08-08-2005, signed and sealed by Frank L. Bennardo, P.E.
 4. Statement letter of compliance part of test report, dated 05-17-2001 issued by Fenestration testing laboratory, signed and sealed by Luis A. Figuerado, P.E
- G. OTHER**
1. *This NOA renews NOA # 05-0811.02, expiring December 20, 2006*

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 06-0920.11

Expiration Date: December 20, 2011
Approval Date: December 07, 2005

DIAMOND SERIES 2000

REINFORCED BI-PART AUTOMATIC SLIDING GLASS DOOR LARGE MISSILE IMPACT RESISTANT

FRANK L. BENNARDO, P.E.
PEG046549

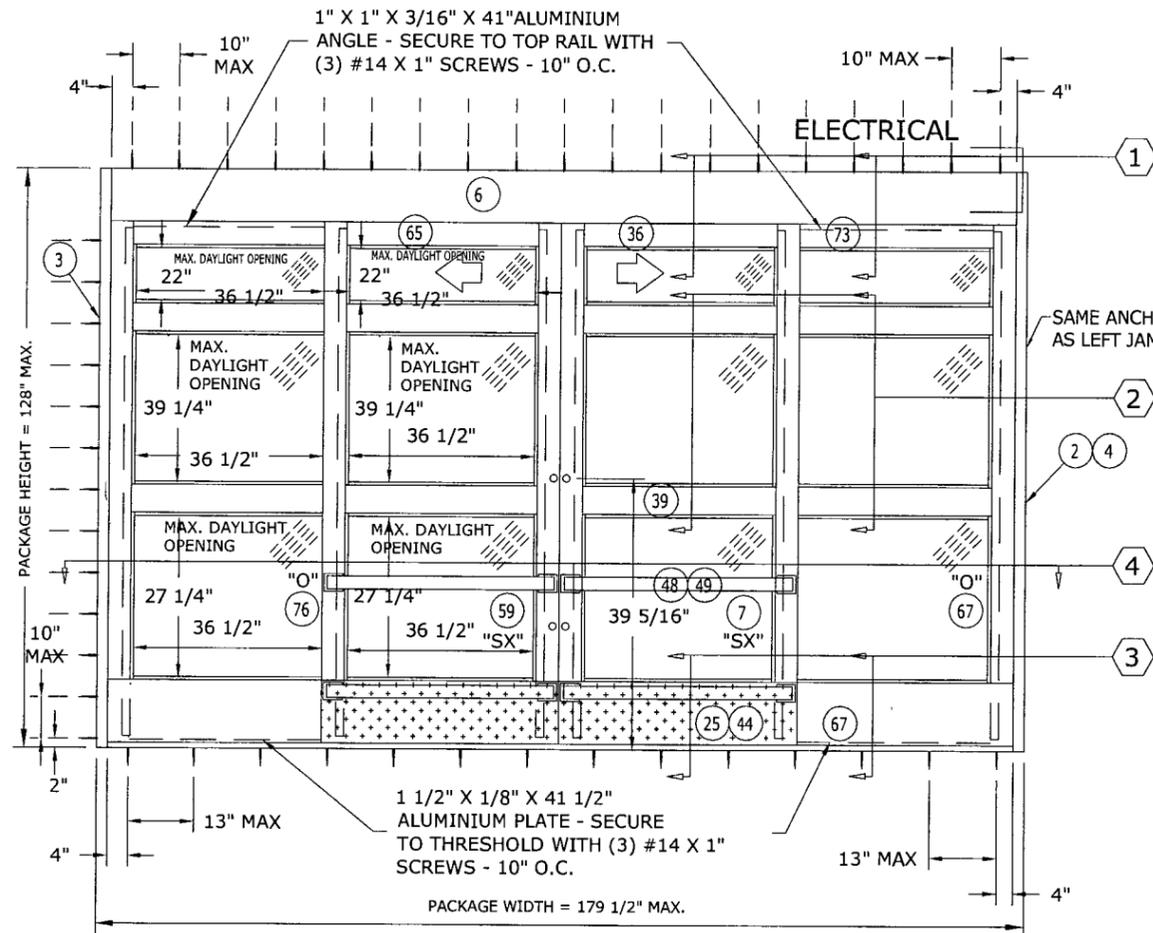
08/05/2005

ANCHOR TYPE

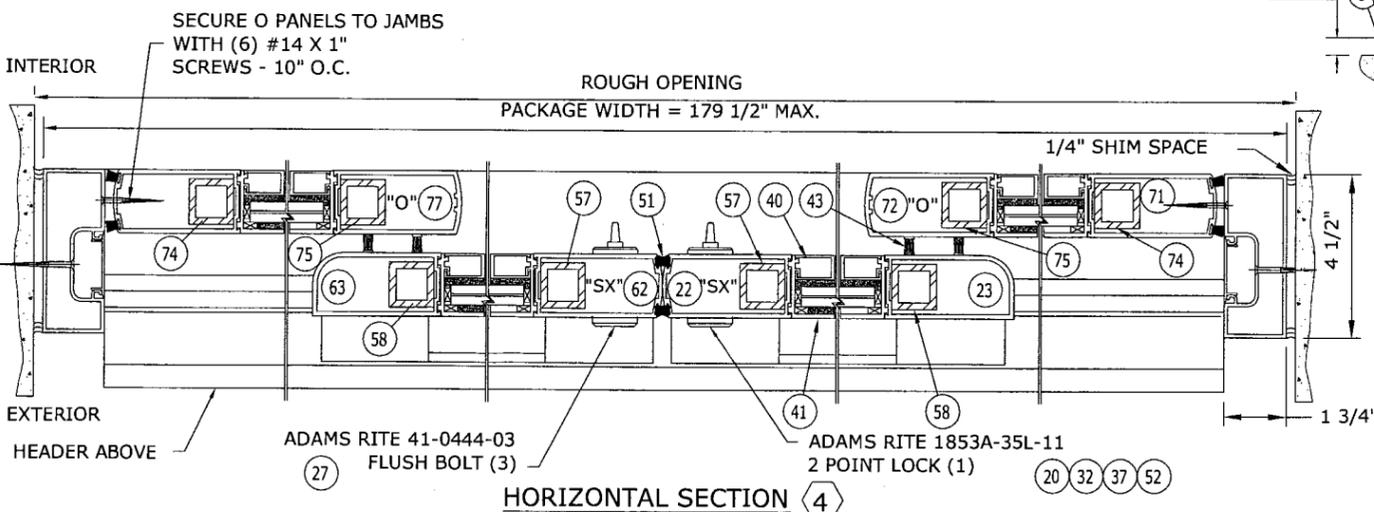
IN CONCRETE: Ø1/4" POWERS RAWL PERMASEAL TAPPER CONCRETE SCREW EMBEDDED 1 1/2" MIN.
IN STEEL: 1/4-20 SMS SAE GRADE 5 OR BETTER (NOTE 3/16" A-36 STEEL MIN.)
IN WOOD: #14 WOOD SCREW EMBEDDED 1 1/2" MIN.
(NOTE: MINIMUM 2X4 WOODBUCK FOR WOOD SCREWS)

ANCHOR SPACING

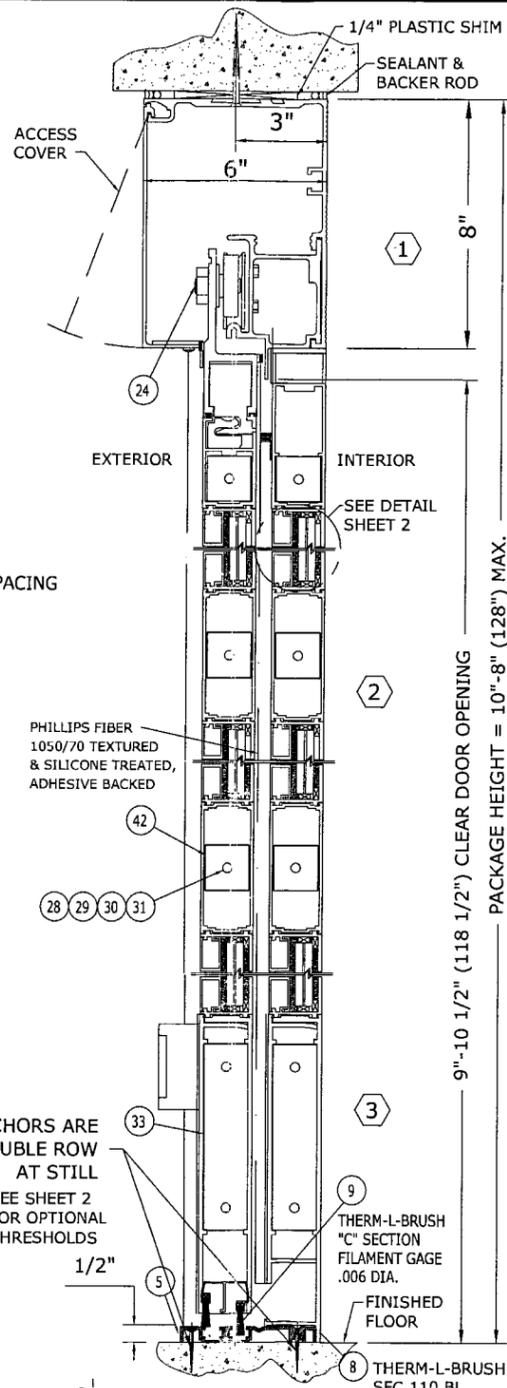
SILL: DOUBLE ROWS, 4" FROM EACH CORNER WITH REMAINDER SPACED AT 13" O.C.
HEAD: SINGLE ROW, 4" FROM EACH CORNER WITH REMAINDER SPACED AT 10" O.C.
JAMBS: SINGLE ROW, 2" FROM BOTTOM CORNER WITH REMAINDER SPACED AT 10" O.C.



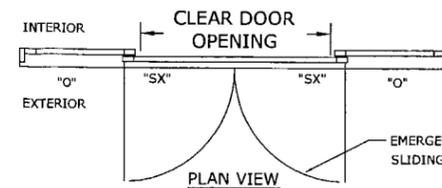
EXTERIOR ELEVATION



HORIZONTAL SECTION



VERTICAL SECTION



PLAN VIEW

PACKAGE HEIGHT	MASONRY OPENING	CAULKING ALLOWANCE	ACTUAL CLEAR OPG UNDER HEADER
10'-8" (128")	10'-8 1/4" (128 1/4")	1/4"	9'-10 1/2" (118 1/2")

PKG WIDTH	SLIDING DOOR OPENING	(SX) DOOR WIDTH	(SO) DOOR WIDTH	DOOR TRAVEL	MASONRY OPENING	CAULKING ALLOWANCE
14'-11 1/2" (179 1/2")	72"	46 5/16"	46 5/16"	36"	15" (180")	1/4" / SIDE

	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED.	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED.
POSITIVE	NOT APPROVED	+ 43.3 PSF
NEGATIVE	NOT APPROVED	- 43.3 PSF

GENERAL NOTES:

- THIS PRODUCT HAS BEEN TESTED & DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE - HIGH VELOCITY HURRICANE ZONE (HVHZ) - AND MIAMI-DADE PROTOCOLS TAS 201, 202, & 203 AS A LARGE MISSILE IMPACT RESISTANT SYSTEM.
- 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.
- 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 CODE.
- 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.
- 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.
- THE PRODUCT DETAILED HEREIN HAS BEEN DESIGNED AND TESTED TO THE MAXIMUM SPANS & LOADS SHOWN ON THESE DRAWINGS. REFERENCE FTL TEST REPORT #3069.
- ALL ALUMINUM PARTS ARE 6063-T6 ALUMINUM.
- GLAZING: 9/16" LAMINATED IMPACT RATED "SAF-GLAS" BY SECURITY IMPACT GLASS (1/4" ANNEALED INNER & OUTER LAYERS WITH 0.100" INTERLAYER).
- CORNER PANEL CONSTRUCTION: PANEL CORNERS ARE BUTT JOINTED, SECURED W/ (4) FULL-WIDTH 5/16" THREADED TIE RODS AT TOP RAIL, INTERMEDIATE HORIZONTAL MUNTIN BAR AND BOTTOM RAIL. ALL JOINTS ARE ALSO WELDED.
- GLAZING MATERIAL IN BOTH FIXED & SLIDING PANELS OF ALL SLIDING DOORS SHALL COMPLY WITH THE REQUIREMENTS IN THE PERFORMANCE SPECIFICATIONS & METHODS OF TEST FOR SAFETY GLAZING MATERIALS USED IN BUILDINGS.
- ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS, SPACED AS NOTED HEREIN. ANCHOR EMBEDMENT TO BASE MATERIAL DOES NOT INCLUDE WALL DRESSING OR STUCCO.
- ALL BOLTS & WASHERS SHALL BE ZINC COATED, GALVANIZED, OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI, EXCEPT INSTALLATION ANCHORS.
- ALL STEEL IN CONTACT WITH ALUMINUM SHALL BE PAINTED OR COATED.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 06-0920-11
Expiration Date DEC 20, 2011

By Ishaq I. Lhanda
Miami Dade Product Control Division

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 05-0811-02
Expiration Date DEC 20, 2006

By Ishaq I. Lhanda
Miami Dade Product Control Division

FRANK L. BENNARDO, P.E., INC.
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4441 NORTH DIXIE HIGHWAY
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(561) 391-2888 FAX: (561) 391-2862
WWW.FLBENGINEERING.COM
CERTIFICATE OF AUTHORIZATION: #9885

STANLEY
ACCESS TECHNOLOGIES
65 SCOTT SWAMP ROAD
FARMINGTON, CT 06032
DIAMOND SERIES 2000
AUTOMATIC SLIDING GLASS DOOR
(BI-PART, REINFORCED, LMT)

REMARKS	DATE
INIT ISSUE	12/20/01
2004 FBC	8/05/05

05-SAT-0021

PAGE SCALE: -
DESCRIPTION:
STANLEY DWG #413926

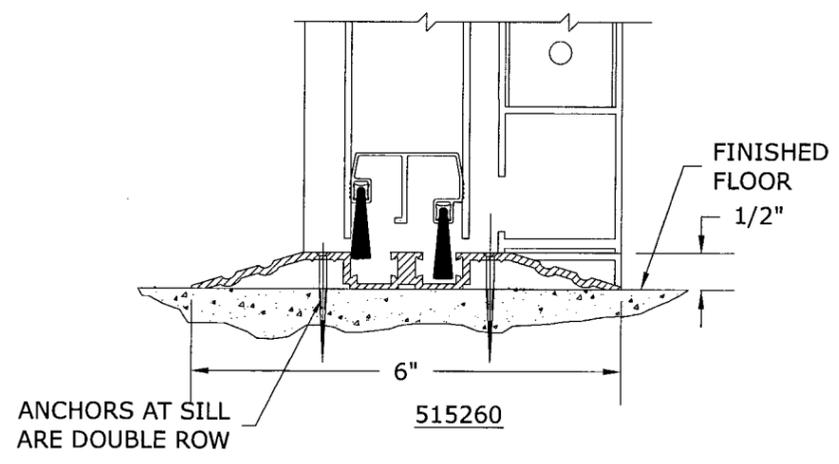
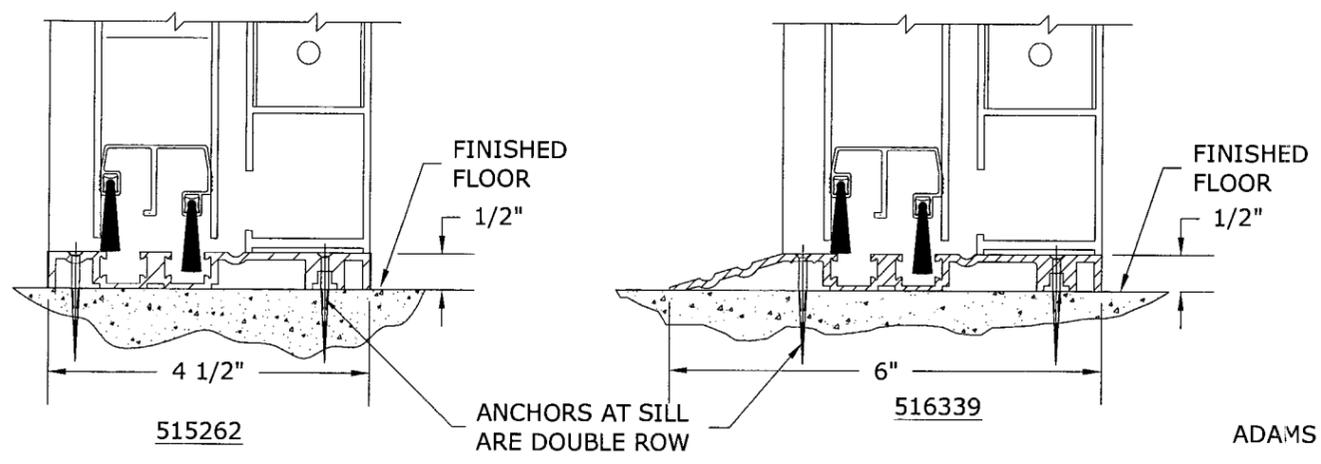
08/05/2005

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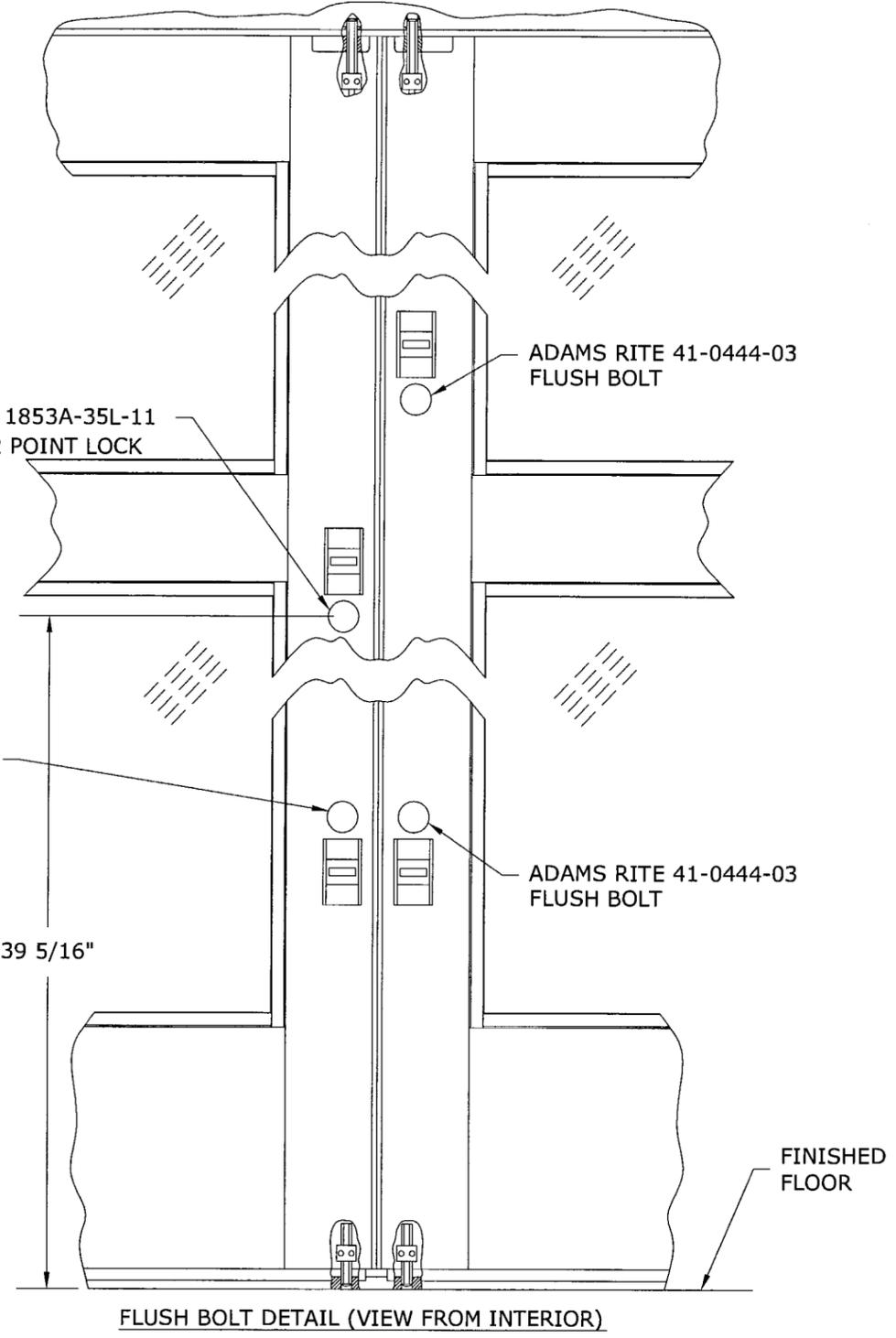
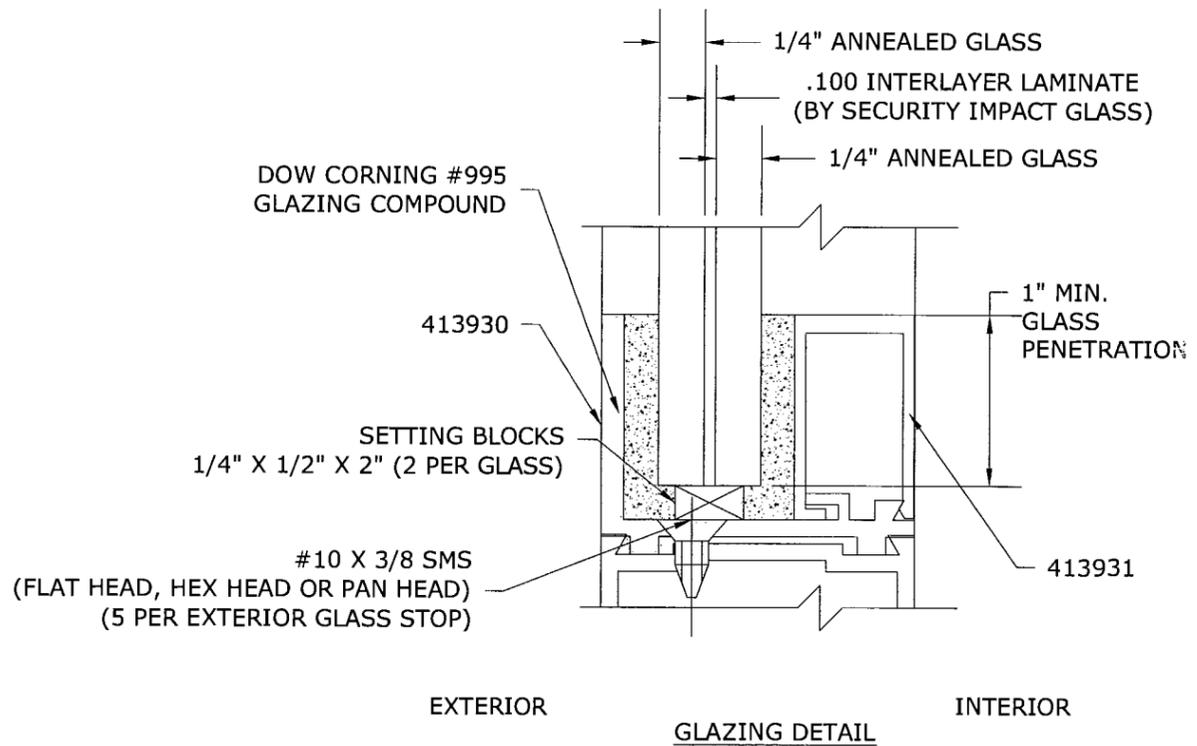
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5 THRESHOLD OPTIONS



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NO.	QTY	PART NO.	DESCRIPTION
1	1		DIAMOND SERIES 2000 BI-PART
2	413089-1		JAMB INSERT
3	1	157541	JAMB ASSEMBLY, 4.500 X 1.750 X .100
4	1	157542	JAMB ASSEMBLY, 4.500 X 1.750 X .100
5	1	516339	THRESHOLD
	1	515262	THRESHOLD
	1	515260	THRESHOLD
6A	1	515686	HEADER COVER, 8.468 X 1.968 X .109
6B	1	110755	HEADER, 8.00 X 6.00 X .140
6C	1	515056	HEADER TRACK TUBE, 4.624 X 3.110 X .125
6D	1	413859	FOAM BLOCK - RH
6E	1	413869	FOAM BLOCK - LH
7	1	111859	DOOR PANEL, SX - RH
8	1	713241	THERM-L-BRUSH
9	1	710739	THERM-L-BRUSH
10	1	516711	FLUSH BOLT GUIDE
11	1	413830	DAMPER, ASSY
12	1	380901499	NUT, HEX JAM, 5/16-18
13	1	353367000	SCREW, SHC-SK, 5/16-18 X 2.0 LG
14	1	412638	LABEL, CAUTION
15	1	713754	SPIDER, LOCK ROD
16	1	412571	BLOCK-ANCHOR
17	1	413826	SPACER-PILLOW BLOCK
18	2	353349000	SCREW, SHM-SK, 1/4-20 X 1.0 LG
19	2	312073499	SCREW, FHM-PH, 1/4-20 X 2.0 LG
20	2	709221	LOCK, THUMBTURN
21	2	351801499	SCREW, SHC-SK, 1/4-20 X 3/8 LG
22	1	111810	STILE, LOCK-SX, RH, 3.531 X 1.750 X .125
23	1	157647	STILE, PIVOT-SX, RH, 3.531 X 1.750 X .125
24	1	111819-2	HANGER ASSEMBLY-SX, RH
25	1	111434	RAIL, BOTTOM, 9.625 X 1.735 X .140
26	4	312008960	SCREW, FHM-PH, #8-32 X 5/8LG
27	1	413821	FLUSH BOLT, ADAMS RITE 41-0444-03
28	6	711475	WASHER, TIE ROD
29	4	711474	NUT, TIE ROD
30	4	711483	ROD, TIE, 5/16-18 UNC-1A, STEEL, FULL LENGTH OF RAIL
31	8	706233	NUT, FLANGED
32	1	413810	LOCK, 2 POINT ADAMS RITE 1853A-35L-11, A1-0464-03
33	2	516338	CLIP, GUIDE
34	1	516704	BOTTOM STRUT
35	1	516699-5	DETENT-DOOR PORTION
36	1	413659	RAIL, TOP-SX, RH, 2.875 X 1.735 X .093
37	2	706668	LOCK, CYLINDER
38	1	413805-6	SWEEP HOLDER
39	2	111916-2	BAR, MUNTIN, 4.250 X 1.735 X .093
40	8	413931	STOP, GLASS, IMPACT, 1.125 X .669
41	8	413930	GUTTER, IMPACT, 1.219 X 1.735
42	4	412479	CLIP, GUIDE
43	1	411624	PILE, ADHESIVE BACKED
44	1	111807-1	KICKPLATE
47	4	350800960	SCREW, FHC-SK, #10-32 X 3/8 LG
48	2	516646	CRASH BAR
49	4	413760	BLOCK, SPACER
50	8	713223	RIVNUT
51	16	712044-1	PILE

NO.	QTY	PART NO.	DESCRIPTION
52	1	413811-3	ROD ASSY, THROWBOLT
54	2	413857	FOAM BLOCK
55	1	413858	FOAM BLOCK
56	1	413856	FOAM BLOCK
57	2	516741	STEEL TUBE, ASTM A500, 1 1/4 X 1 1/4 X 3/16 X 114 7/8 LG
58	2	516743	STEEL TUBE, ASTM A500, 1 1/4 X 1 1/4 X 3/16 X 114 7/8 LG
59	1	111858	DOOR PANEL, SX - LH
			SAME AS 111859 EXCEPT AS NOTED
60	2	312251960	SCREW, FHM-PH, #10-32 X 1/2 LG
61	1	516692	STRIKE PLATE ASSEMBLY
62	1	111811	STILE, STRIKE-SX, LH, 3.531 X 1.750 X .125
63	1	157648	STILE, PIVOT-SX, LH, 3.531 X 1.750 X .125
64	1	111819-1	HANGER ASSEMBLY-SX, LH
65	1	413658	RAIL, TOP-SX, LH, 2.875 X 1.735 X .093
66	1	516699-6	DETENT, DOOR PORTION
67	1	111855	DOOR PANEL, O - RH
			SAME AS 111859 EXCEPT AS NOTED
68	1	411842	SPRING ASSY, BREAKOUT SWITCH
69	2	312004960	SCREW, FHM-PH, #8-32 X 3/8 LG
70	1	712176	LOGO, STANLEY
71	1	111853	STILE, TRAILING, O-RH/LH, 3.531 X 1.750 X .125
72	1	111852	STILE, LEAD, O-RH, 3.531 X 1.750 X .125
73	1	413742	RAIL, TOP, SO-RH
74	2	516746	STEEL TUBE, ASTM A500, 1 1/4 X 1 1/4 X 3/16 X 117 3/8 LG
75	2	516745	STEEL TUBE, ASTM A500, 1 1/4 X 1 1/4 X 3/16 X 117 3/8 LG
76	1	111854	DOOR PANEL, O - LH
			SAME AS 111855 EXCEPT AS NOTED
77	1	111851	STILE, LEAD, O-LH, 3.531 X 1.750 X .125

NOTE: ALL EXTRUSIONS ARE MADE FROM 6063-T6 ALUMINUM

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