



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

Stanley Access Technologies
65 Scott Swamp Road
Farmington ,CT 06032

Your application for Notice of Acceptance (NOA) of:

"Diamond Series 2000" Aluminum Automatic sliding Glass Door-Impact

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.

ACCEPTANCE NO.: 01-0620.03

EXPIRES: 12/20/2006

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

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

APPROVED: 12/20/2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This approves an aluminum automatic sliding glass 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 "Diamond Series 2000" Aluminum Automatic Sliding Glass Door w/ Steel reinforcement – Large Missile Impact resistant and its components shall be constructed in strict compliance with the following documents: Drawing No. 413926 Rev B, Sheets 1 through 3 of 3, prepared by manufacturer, dated 09/28/00 and last revised on 10-25-01, signed and sealed by Frank L. Bernnardo, 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.
- 3.2 Electrical devices are not part of this approval and must be reviewed by corresponding authority.
- 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 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.

Ishaq I. Chanda
Ishaq I. Chanda, P. E., Product Control Examiner
Product Control Division

Stanley Access Technologies

ACCEPTANCE No.: 01-0620.03

APPROVED : December 20, 2001

EXPIRES : December 20, 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.

Ishaq I. Chanda
Ishaq I. Chanda, P. E., Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

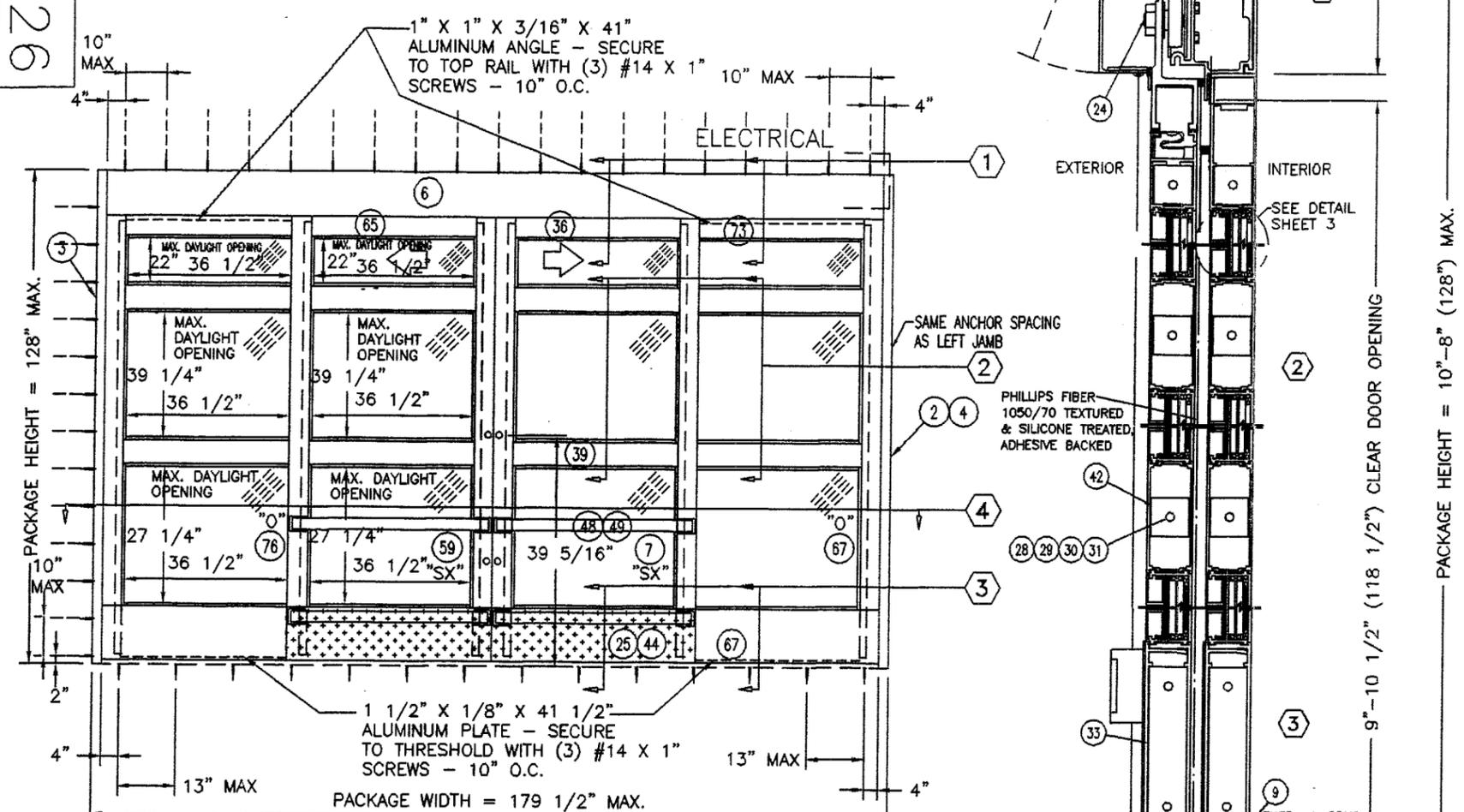
DWG NO. 413926

ANCHOR TYPE

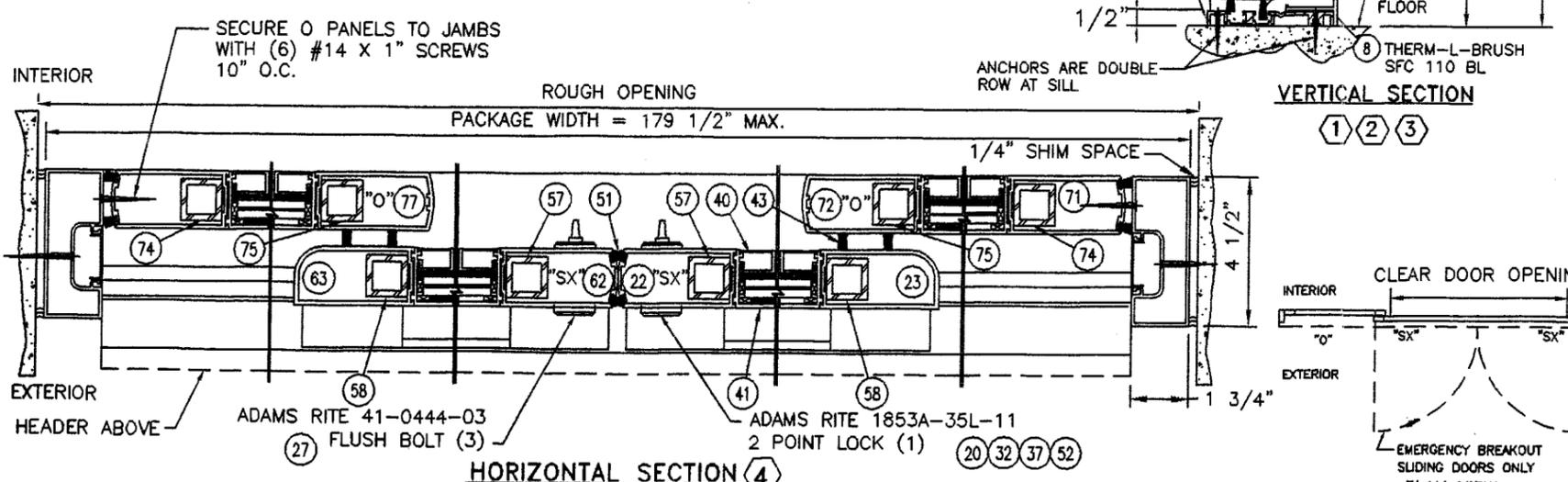
IN CONCRETE: #1/4" RAWL PERMASEAL TAPPER CONCRETE SCREW EMBEDDED 1 1/2" MIN.
 IN STEEL: 1/4-20 SMS SAE GRADE 2 OR BETTER (NOTE 3/16" A-36 STEEL MIN.)
 IN WOOD: #14 WOOD SCREW EMBEDDED 1 1/2" MIN.
 (NOTE: MINIMUM 2X4 WOODBUCK FOR WOOD SCREWS)

ANCHOR SPACING

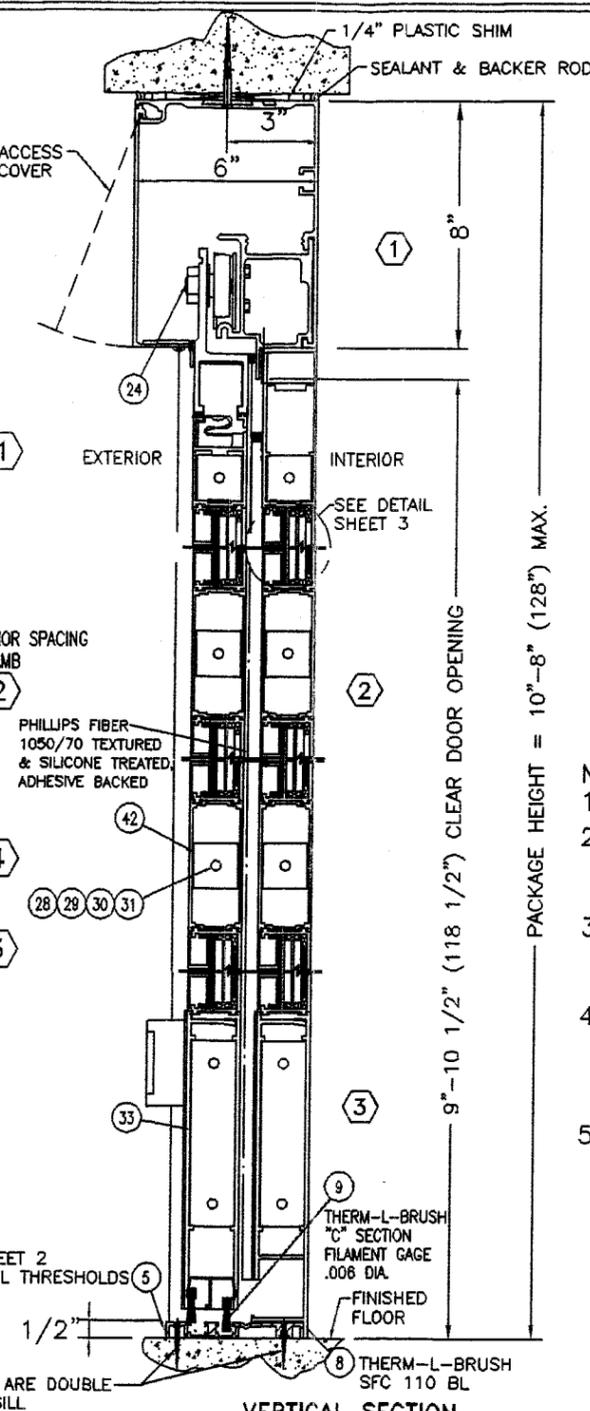
SILL: DOUBLE ROWS, 4" FROM EACH CORNER WITH REMAINDER SPACED AT 13" O.C.
 HEAD: SINGLE ROW, 4" FROM EACH CORNER WITH REMAINDER SPACED AT 10" O.C.
 JAMBS: SINGLE ROW, 2" FROM BOTTOM CORNER WITH REMAINDER SPACED AT 10" O.C.



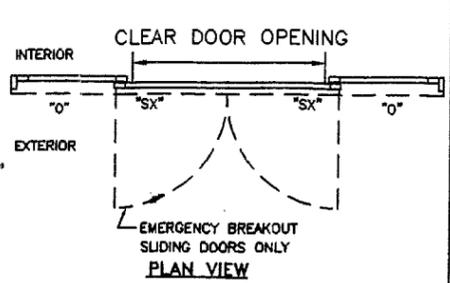
EXTERIOR ELEVATION



HORIZONTAL SECTION



VERTICAL SECTION



| REVISIONS | | | | | |
|-----------|---------|----------|-----------------------------------|-------|----------|
| REV | ECN NO. | DATE | DESCRIPTION | DRAWN | APPROVED |
| A | 00-107 | 05/15/01 | INITIAL RELEASE | RWH | GHN |
| B | 01-98 | 10/25/01 | SEE PCN FILE FOR REVISION DETAILS | PJL | GHN |
| C | 01-111 | 12/06/01 | SEE PCN FILE FOR REVISION DETAILS | PJL | GHN |

PACKAGE HEIGHT INFORMATION FOR SURFACE APPLICATIONS

| 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") |

PACKAGE WIDTH INFORMATION

| 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 |

NOTES:

- 1) ALL ALUMINUM PARTS ARE 6063-T6 ALUMINUM
- 2) GLAZING: 9/16 IMPACT RATED (1/4" CLEAR, ANNEALED GLASS AT INNER & OUTER WITH .100" INTERLAYER LAMINATE) "SAFEGLAS" BY SECURITY IMPACT GLASS (PER CURRENT APPROVED NOA)
- 3) CORNER PANEL CONSTRUCTION: PANEL CORNERS ARE BUTT JOINTED, SECURED WITH (4) FULL WIDTH 5/16" THREADED TIE RODS AT TOP RAIL, INTERMEDIATE HORIZONTAL MUNTIN BAR AND BOTTOM RAIL. ALL JOINTS ARE ALSO WELDED.
- 4) THE GLAZING MATERIAL IN BOTH FIXED AND SLIDING PANELS OF ALL SLIDING DOORS SHALL COMPLY WITH THE REQUIREMENTS IN THE PERFORMANCE SPECIFICATIONS AND METHODS OF TEST FOR SAFETY GLAZING MATERIALS USED IN BUILDINGS.
- 5) REFERENCE TEST REPORT FTL #3069

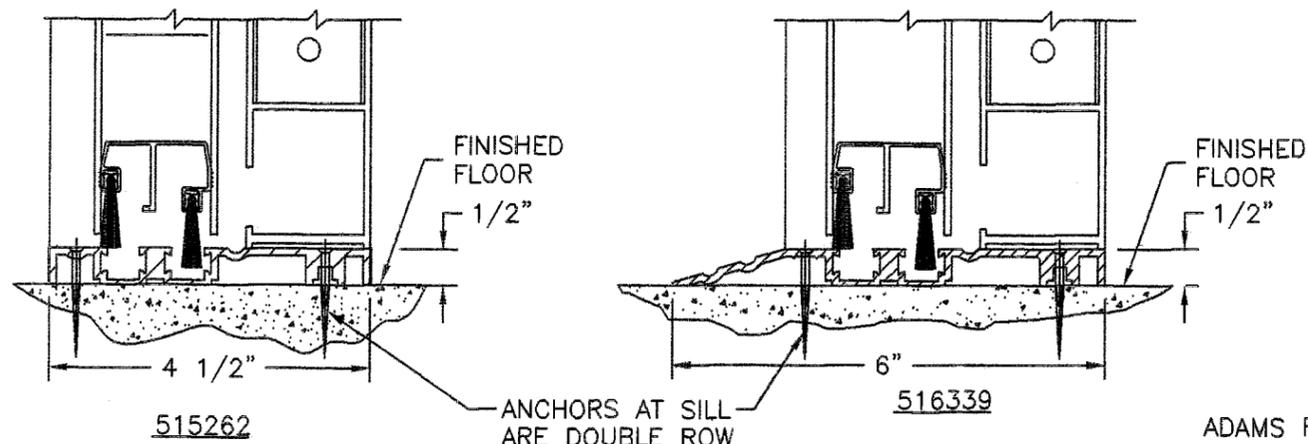
| DESIGN PRESSURE RATING | | |
|------------------------|---|---|
| | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED. | WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED. |
| POSITIVE | NOT APPROVED | + 43.3 PSF |
| NEGATIVE | NOT APPROVED | - 43.3 PSF |

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE: DECEMBER 20, 2001
 BY: Shaq I. Llywde
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 01-0620-03

| | | | |
|-----------------------------|---|----------------|-------|
| DRAWN: R.HABERERN 9/28/00 | STANLEY ACCESS TECHNOLOGIES A DIVISION OF THE STANLEY WORKS 65 SCOTT SWAMP ROAD, FARMINGTON, CT, 06032 | | |
| CHECKED: G.NORTON 05/15/01 | TITLE ANCHORING FOR DIAMOND SERIES 2000, BIPART, IMPACT, REINFORCED PACKAGE | | |
| APPROVED: G.NORTON 05/15/01 | PRODUCT LINE DIAMOND SERIES 2000 | | |
| MATERIAL: N/A | SIZE B | DWG NO. 413926 | REV C |
| FINISH: N/A | SCALE NONE | SHEET 1 OF 3 | |

DWG NO. 413926

DWG NO.
413926



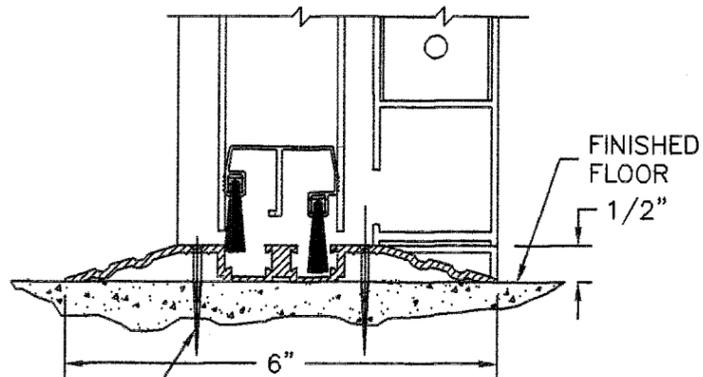
515262

516339

FINISHED FLOOR
1/2"

FINISHED FLOOR
1/2"

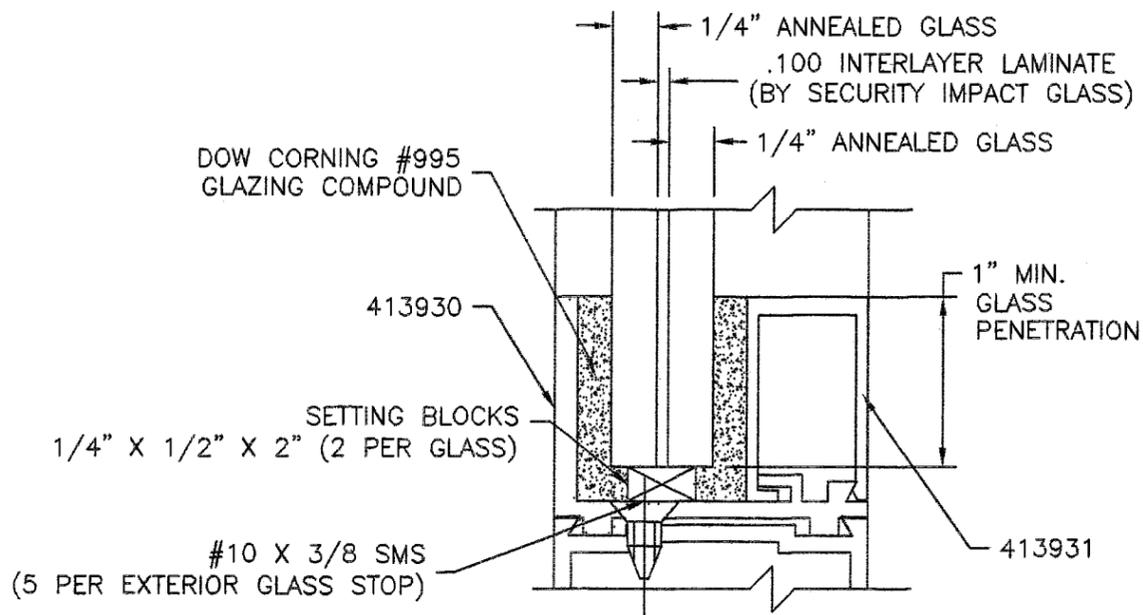
ANCHORS AT SILL ARE DOUBLE ROW



515260

ANCHORS AT SILL ARE DOUBLE ROW

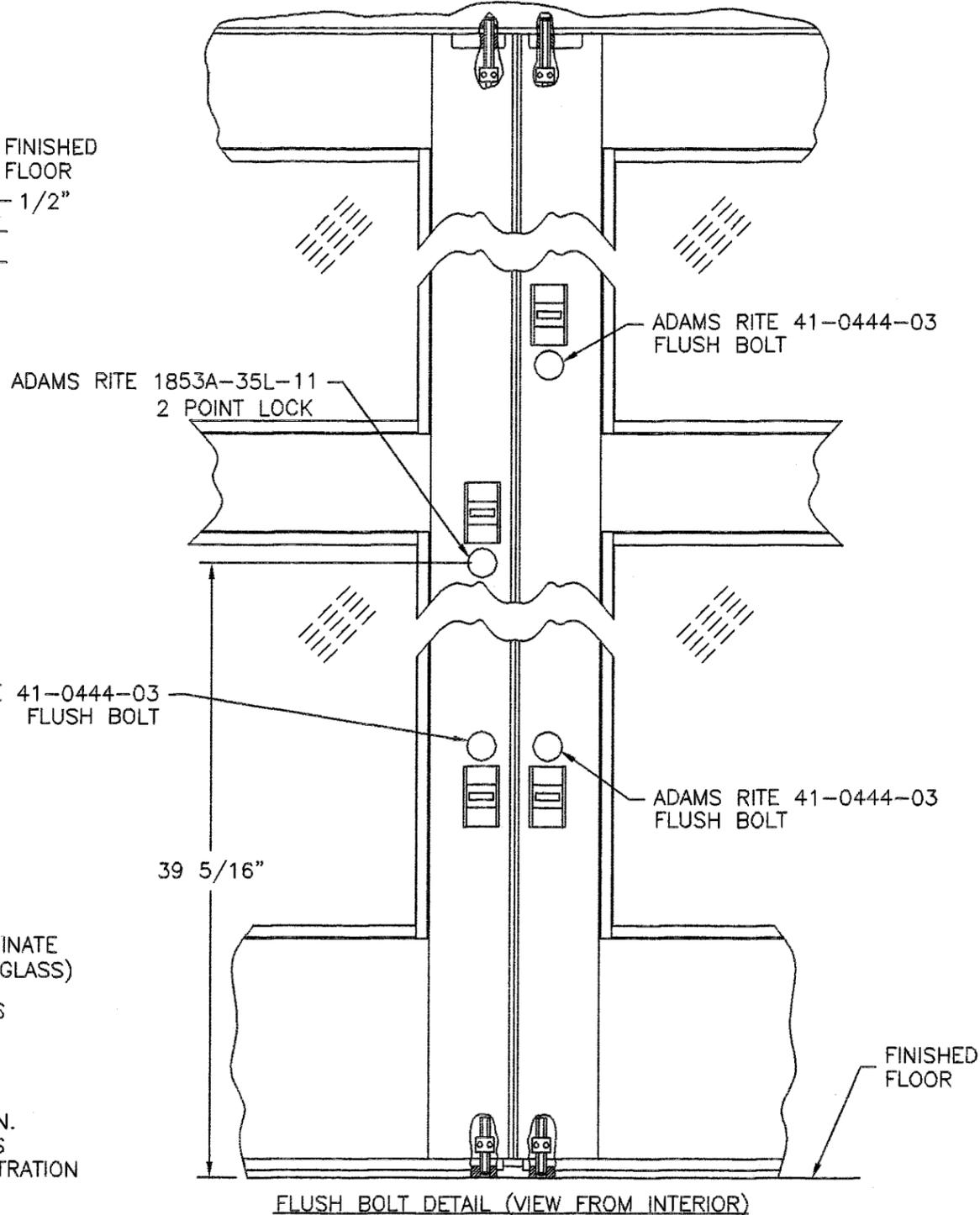
⑤ THRESHOLD OPTIONS



EXTERIOR

GLAZING DETAIL

INTERIOR



FLUSH BOLT DETAIL (VIEW FROM INTERIOR)

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE DEC 20, 2001
BY Ishag I. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0620-03

FRANK L. BENNARDO, P.E.
CONSULTING ENGINEER
4441 NORTH DIXIE HIGHWAY
BOCA RATON, FL. 33481
(561) 391-2888

#PE0046549

| | | | |
|-----------------------------|-------------------|--|--|
| DRAWN: R.HABERERN 9/26/00 | | STANLEY ACCESS TECHNOLOGIES | |
| CHECKED: G.NORTON 05/15/01 | | A DIVISION OF THE STANLEY WORKS | |
| APPROVED: G.NORTON 05/15/01 | | 65 SCOTT SWAMP ROAD, FARMINGTON, CT, 06032 | |
| MATERIAL: N/A | | TITLE THRESHOLD, GLAZING, FLUSH BOLT DETAILS | |
| FINISH: N/A | | DIAMOND SERIES 2000 IMPACT, REINFORCED PKG | |
| | | PRODUCT LINE DIAMOND SERIES 2000 | |
| SIZE B | DWG NO. 413926 | REV B | |
| SCALE NONE | SHEET 2 OF 3 | | |

DWG NO.
413926

413926

DWG NO.

| ITEM | 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, PWOT-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-35U-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 |

| ITEM | 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, 1/4 X 1 1/4 X 3/16 X 114 7/8 LG |
| 58 | 2 | 516743 | STEEL TUBE, ASTM A500, 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, PWOT-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, 1/4 X 1 1/4 X 3/16 X 117 3/8 LG |
| 75 | 2 | 516745 | STEEL TUBE, ASTM A500, 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

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE DECEMBER 20, 2001
BY Isaac J. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0620.03

FRANK L. BENNARDO, P.E.
CONSULTING ENGINEER
4441 NORTH DIXIE HIGHWAY
BOCA RATON, FL. 33431
(561) 391-2888


#PC0046549

| | | | |
|-----------------------------|----------------|---|--|
| DRAWN: R.HABERERN 9/28/00 | | STANLEY ACCESS TECHNOLOGIES | |
| CHECKED: G.NORTON 05/15/01 | | A DIVISION OF THE STANLEY WORKS | |
| APPROVED: G.NORTON 05/15/01 | | 65 SCOTT SWAMP ROAD, FARMINGTON, CT, 06032 | |
| MATERIAL: N/A | | TITLE: BILL OF MATERIALS, DIAMOND SERIES 2000 BIPART, IMPACT, REINFORCED PACKAGE | |
| FINISH: N/A | | PRODUCT LINE: DIAMOND SERIES 2000 | |
| SIZE: B | DWG NO. 413926 | REV: B | |
| SCALE: 1:1 | SHEET: 3 OF 3 | | |

DWG NO. 413926