



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

Allegion Access Technologies, LLC
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 and accepted by Miami-Dade County RER -Product Control Section 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 Section (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. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 “Dura Storm” Aluminum Automatic Sliding Glass Door (Steel Reinforced) O-Sx-Sx-O and So-Sx-Sx-So w/ operable panel w/ Full Breakout-LMI

APPROVAL DOCUMENT: Drawing No. **23-67903** (former **20-33194**), titled “Series Dura-Storm 2000/3000 Reinf Bi-Parting Automatic Sliding Glass Door (LMI)”, sheets 1 thru 10 of 10, prepared by Engineering Express, dated January 09, 2024, signed and sealed by Frank L. Bennardo, 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact

LIMITATIONS:

1. When Horizontal muntin bars are excluded (see sheet 3), the DLO height not to exceed 68-3/16” max. Fixed glass more than 36” wide must be supported with approved setting blocks per FBC requirements.
2. Electrical devices, functions and installation are not part of this approval and to be reviewed and approved by the Authority Having Jurisdiction (AHJ). Not approved where water infiltration is required.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 #22-0830.09** (former **Stanley Access Technologies, LLC**) and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5 and E-6, as well as approval document mentioned above.

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



Ishaq I. Chanda

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S

A. DRAWINGS

1. Manufacturer's die drawings and sections (submitted under file see below).
2. Drawing No. **14-1855** (former **12-SAT-14**), titled "Dura-Storm 2000/3000 Reinforced Bi-Parting Automatic Sliding Glass door", sheets 1 thru 10 of 10, prepared by Engineering Express, dated 07-01-12 and last revised on 10/14/2014, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS (submitted under files #13-0529.22/#12-0807.04)

1. 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) Water Resistance Test, per FBC, TAS 202-94 (Not conducted)
 - 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, TAS 202-94

Along with installation diagram of aluminum automatic entrance doors, prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-6803**, dated 05/11/12 and last revised on 03/21/13, signed and sealed by Marlin D. Brinson, P. E.

Note: This test report has been revised by an addendum letter dated Nov 21, 2012, issued by Fenestration Testing Lab, signed and sealed by Marlin D. Brinson, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2014 (5th Edition), prepared by Engineering Express, dated 05-13-15, signed and sealed by Frank L. Bennardo, P.E.
2. Glazing complies w/ ASTM E-1300-02, -04 & -09.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **13-1105.10** issued to SAF-GLAS, L.L.C. for "SAF GLAS, Polycarbonate laminate", expiring on 12/16/17.
2. Notice of Acceptance No. **11-0624.01** issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont PVB Butacite ®", expiring on 12/11/16.
3. Technical strength data of Trelleborg EPDM per ASTM C864.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014(5th Edition), prepared by Engineering Express, dated May 13, 2015, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter of no financial interest, prepared by Engineering Express, dated 08-02-12, signed and sealed by Frank L. Bennardo, P.E. (submitted under file # **12-0807.04**)
3. Lab compliance as part of the above referenced test report.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1127.03
Expiration Date: April 04, 2028
Approval Date: February 8, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER

1. This NOA **revises** NOA #13-0529.22, expiring 04/04/18.
2. Test proposal # 11-1016, dated NOV 11, 2011 approved by PERA.
3. Manufacture supplied Adam Rites deadbolt/hook & bolts mechanism and G-86 CVR Panic exit brochures.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 17-0828.10

A. DRAWINGS

1. Drawing No. **14-1855**, titled “Series Dura-Storm 2000/3000 Reinf Bi-Parting Automatic Sliding Glass Door (LMI)”, sheets 1 thru 10 of 10, prepared by Engineering Express, dated 07/01/12 and last revised on 08/23/17, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 6th Edition (2017), prepared by Engineering Express, dated 08/07/17, signed and sealed by Frank L. Bennardo, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **16-1117.01** issued Kuraray America, Inc. (formerly DuPont) for their “Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers”, expiring on 07/08/19.

F. STATEMENTS

1. Statement letter of conformance with **FBC 6th Edition (2017)**, prepared by Engineering Express, dated 07/28/17, signed and sealed by Frank L. Bennardo, P.E.

G. OTHER

1. This NOA **revises** NOA #15-0127.06, expiring on 04/04/18.

3. EVIDENCE SUBMITTED under previous NOA

A. DRAWINGS

1. None.

B. TESTS

1. None.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1127.03
Expiration Date: April 04, 2028
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-1026.04** issued to SAF-GLAS, L.L.C. for “SAF GLAS, Polycarbonate laminate”, expiring on 12/16/22.
2. Notice of Acceptance No. **17-1114.14** issued Kuraray America, Inc. (formerly DuPont) for their “Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers”, expiring on 07/08/19.

F. STATEMENTS

1. None.

G. OTHER

1. This NOA **renews** NOA #**17-0828.10**, expiring on 04/04/18.

4. EVIDENCE SUBMITTED previous submittal

A. DRAWINGS

1. Drawing No. **20-33194** (former **14-1855**), titled “Series Dura-Storm 2000/3000 Reinf Bi-Parting Automatic Sliding Glass Door (LMI)”, sheets 1 thru 10 of 10, prepared by Engineering Express, dated 07/01/12 and last revised on 11/24/2020, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Technical strength data of Trelleborg EPDM per ASTM C864.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition), prepared by Engineering Express, dated 11/25/20, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter dated 11/25/20 referenced to general updated code note change only, prepared by Engineering Express, dated 11/25/20, signed and sealed by Frank L. Bennardo, P.E.

G. OTHER

1. This NOA **revises** NOA #**18-0221.10**, expiring 04/11/23.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1127.03
Expiration Date: April 04, 2028
Approval Date: February 8, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **20-33194** (former **14-1855**), titled “Series Dura-Storm 2000/3000 Reinf Bi-Parting Automatic Sliding Glass Door (LMI)”, sheets 1 thru 10 of 10, prepared by Engineering Express, dated 08/23/17 and last revised on NOV 10, 2022, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **22-0809.04** issued to SAF-GLAS, L.L.C. for “**SAF GLAS, Polycarbonate laminate**”, expiring on 12/16/27.
2. Notice of Acceptance No. **20-0915.22** issued Kuraray America, Inc. (formerly DuPont) for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**”, expiring on 07/08/24.
3. Technical strength data of Trelleborg EPDM per ASTM C864.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition), prepared by Engineering Express, dated 11/10/2022, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter dated 11/10/22 requesting Renewal with no change and no changes have been made from previous approval, prepared by Engineering Express, dated 11/10/22, signed and sealed by Frank L. Bennardo, P.E.

G. OTHER

1. This NOA **renews** NOA #**20-1216.26**, expiring 04/11/28.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1127.03
Expiration Date: April 04, 2028
Approval Date: February 8, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **23-33194** (former **14-1855**), titled “Series Dura-Storm 2000/3000 Reinf Bi-Parting Automatic Sliding Glass Door (LMI)”, sheets 1 thru 10 of 10, prepared by Engineering Express, dated 08/23/17 and last revised on FEB 10, 2023, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **22-0809.04** issued to SAF-GLAS, L.L.C. for “**SAF GLAS, Polycarbonate laminate**”, expiring on 12/16/27.
2. Notice of Acceptance No. **20-0915.22** issued Kuraray America, Inc. (formerly DuPont) for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**”, expiring on 07/08/24.
3. Technical strength data of Trelleborg EPDM per ASTM C864.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition), prepared by Engineering Express, dated FEB 10, 2023, signed and sealed by Frank L. Bennardo, P.E.
2. Certificate of Amendment issued by State of Delaware dated September 01, 2022, **Stanley Access Technologies, LLC**, changed its name to **Allegion Access Technologies, LLC** signed by Jeffery W. Bullocks, Secretary of State, State of Delaware.
3. Certificate of Formation, issued by State of Delaware, dated September 01, 2022, amended **Stanley Access Technologies, LLC**, to **Allegion Access Technologies, LLC**, signed by Jeffrey W. Bullock, Secretary of State, State of Delaware.

G. OTHER

1. This NOA revises #**22-0830.09** (former **Stanley Access Technologies, LLC**), expiring 04/11/28.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1127.03
Expiration Date: April 04, 2028
Approval Date: February 8, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

7. EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **23-67903** (former **20-33194**), titled “Series Dura-Storm 2000/3000 Reinf Bi-Parting Automatic Sliding Glass Door (LMI)”, sheets 1 thru 10 of 10, prepared by Engineering Express, dated January 09, 2024, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **22-0809.04** issued to SAF-GLAS, L.L.C. for “**SAF GLAS, Polycarbonate laminate**”, expiring on 12/16/27.
2. Notice of Acceptance No. **23-0717.31** issued Kuraray America, Inc. (formerly DuPont) for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**”, expiring on 08/08/28.
3. Technical strength data of Trelleborg EPDM per ASTM C864.

F. STATEMENTS (items #3 and #4 submitted under previous NOA)

1. Statement letter of conformance to FBC 2023 (8th Edition), prepared by Engineering Express, dated November 14, 2023, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter of conformance to FBC 2020 (7th Edition), prepared by Engineering Express, dated FEB 10, 2023, signed and sealed by Frank L. Bennardo, P.E.
2. Certificate of Amendment issued by State of Delaware dated September 01, 2022, **Stanley Access Technologies, LLC**, changed its name to **Allegion Access Technologies, LLC** signed by Jeffery W. Bullocks, Secretary of State, State of Delaware.
3. Certificate of Formation, issued by State of Delaware, dated September 01, 2022, amended **Stanley Access Technologies, LLC**, to **Allegion Access Technologies, LLC**, signed by Jeffrey W. Bullock, Secretary of State, State of Delaware.

G. OTHER

1. This NOA revises & renews #23-1207.03, expiring 04/11/28.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-1127.03
Expiration Date: April 04, 2028
Approval Date: February 8, 2024

ALLEGION ACCESS TECHNOLOGIES, LLC

DURA-STORM SERIES 2000/3000
LARGE MISSILE IMPACT (LEVEL D)
HVHZ

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. A DESIGN PROFESSIONAL SHALL BE RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION.

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

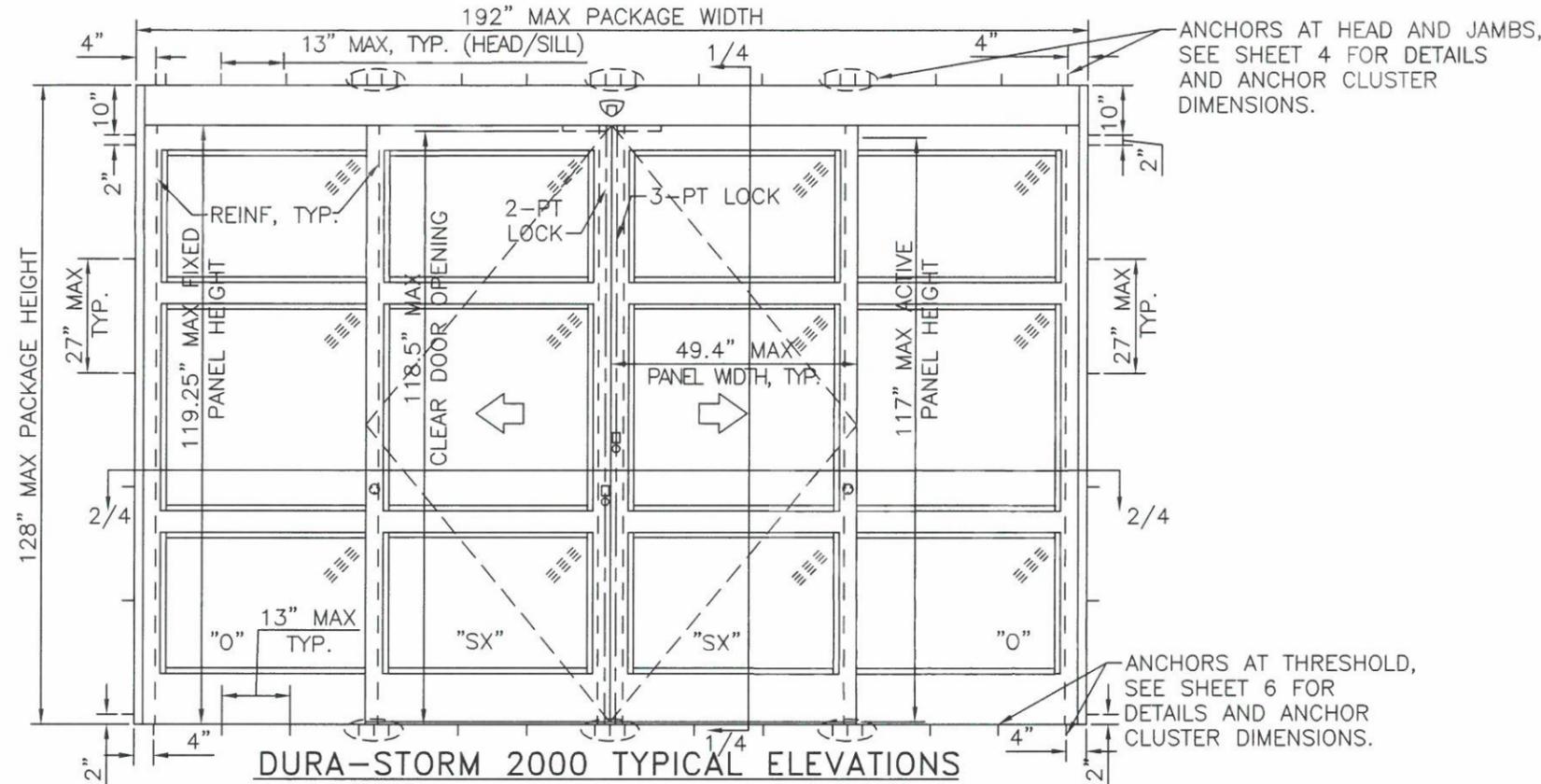
FRANK I. BENNARDO
LICENSE
No. PE 0046549
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JANUARY 9, 2024

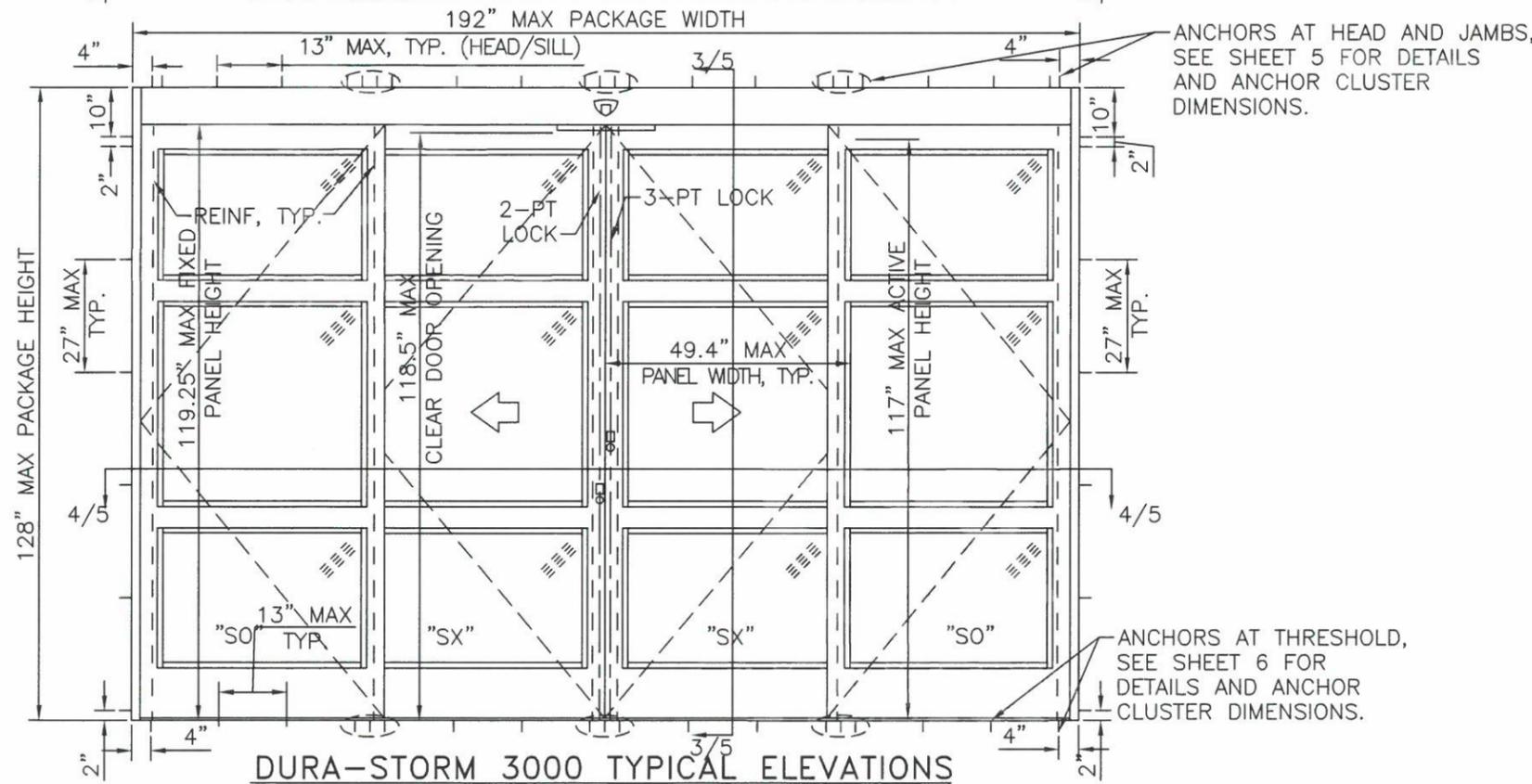
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 23-1127.03

Expiration Date 04/04/2028

By Ishag I. Chank
Miami-Dade Product Control



DURA-STORM 2000 TYPICAL ELEVATIONS



DURA-STORM 3000 TYPICAL ELEVATIONS

GENERAL NOTES:

- DOORS HAVE BEEN TESTED & DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) HIGH VELOCITY HURRICANE ZONE (HVHZ) AND MIAMI-DADE COUNTY PROTOCOLS TAS 201 FOR LARGE MISSILE IMPACT, TAS 202 FOR UNIFORM STATIC AIR PRESSURE AND TAS 203 FOR CYCLIC WIND LOADING.
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY 1.5 SAFETY FACTOR
- WIND LOAD DURATION FACTOR Cd = 1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO EXISTING STRUCTURE
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.7.2 BY THE ALUMINUM ASSOCIATION INC. AND ANY APPLICABLE FEDERAL, STATE AND OR LOCAL CODES.
- REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.
- ENGINEER SEAL AFFIXED HERETO VALIDATE STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE & FEDERAL CODES & DEVIATIONS OF THIS PLAN.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.
- ALTERATIONS ADDITIONS OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION).
- UNITS SHALL BE LABELED IN ACCORDANCE WITH THE FLORIDA BUILDING COMMISSION AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATION.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT FOR INSTALLATIONS OUTSIDE THE HVHZ; WITHIN THE HVHZ, A ONE-TIME APPROVAL FROM MIAMI-DADE COUNTY SHALL BE OBTAINED.
- ALL BOLTS AND WASHERS SHALL BE ZINC COATED, GALVANIZED, OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI, EXCEPT INSTALLATION ANCHORS.
- ALL SINGLE SLIDE ENTRANCES ARE SHOWN "RIGHT HAND"; "LEFT HAND" IS MIRROR IMAGE.

SYSTEM NOTES:

- ALL ALUMINUM PARTS SHALL BE 6063-T6 ALUMINUM ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.
- GLAZING 9/16" LAMINATED, IMPACT RATED (SEE GLAZING DETAIL SHEET 9)
- CORNER PANEL CONSTRUCTION: PANEL CORNERS ARE BUTT JOINED, SECURED WITH FOUR (4) FULL WIDTH 5/16" THREADED TIE RODS AT TOP RAIL, INTERMEDIATE HORIZONTAL MUNTIN BAR, AND BOTTOM RAIL. ALL JOINTS ARE WELDED.
- THE GLAZING MATERIAL IN BOTH FIXED AND SLIDING PANELS OF ALL SLIDING DOORS MUST COMPLY WITH THE REQUIREMENTS IN THE PERFORMANCE SPECIFICATIONS AND METHODS OF TEST FOR SAFETY GLAZING MATERIALS USED IN BUILDINGS, PER FBC REQUIREMENTS

ENGINEERING EXPRESS

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

ALLEGION ACCESS TECHNOLOGIES, LLC
65 SCOTT SWAMP RD.
FARMINGTON, CT 06032

ALLEGION

SAT SERIES "DURA-SOTRM 2000/3000" STEEL REINF. BI-PARTING AUTOMATIC SLIDING GLASS DOOR (LMI)
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DATE
INT ISSUE	11/13/23
DRWN	
CHKD	
RS	
SQ	

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23-67903

SCALE: NTS UNLESS NOTED

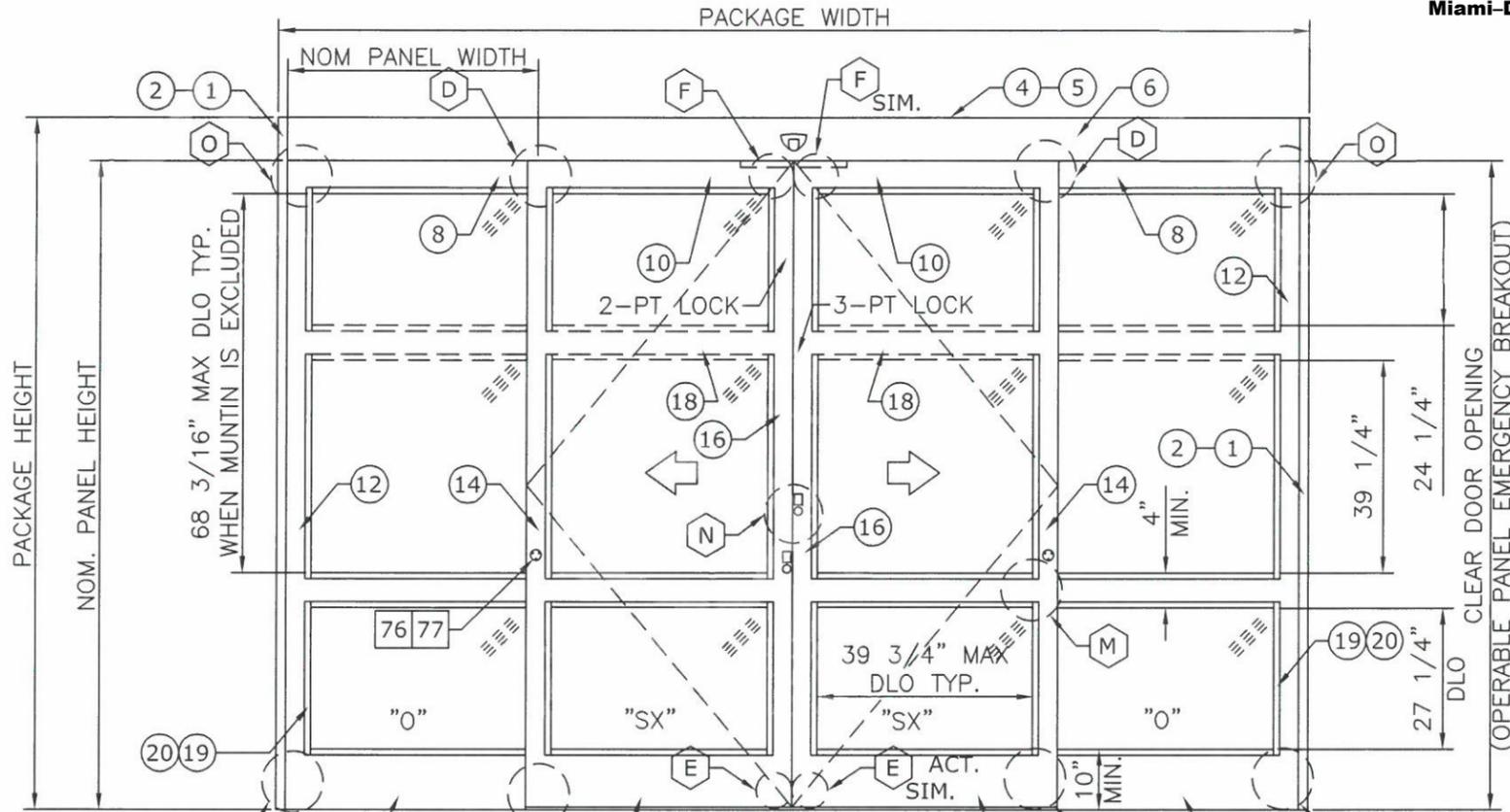
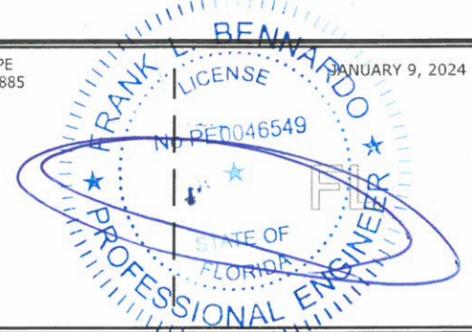
01 OF 10

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DURA-STORM SERIES 2000 ELEVATION AND PLAN

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 NOA-No. 23-1127.03
 Expiration Date 04/04/2028
 By Ishag I. Lhanda
 Miami-Dade Product Control

FRANK BENNARDO, PE
 PE# 0046549 CA# 9885



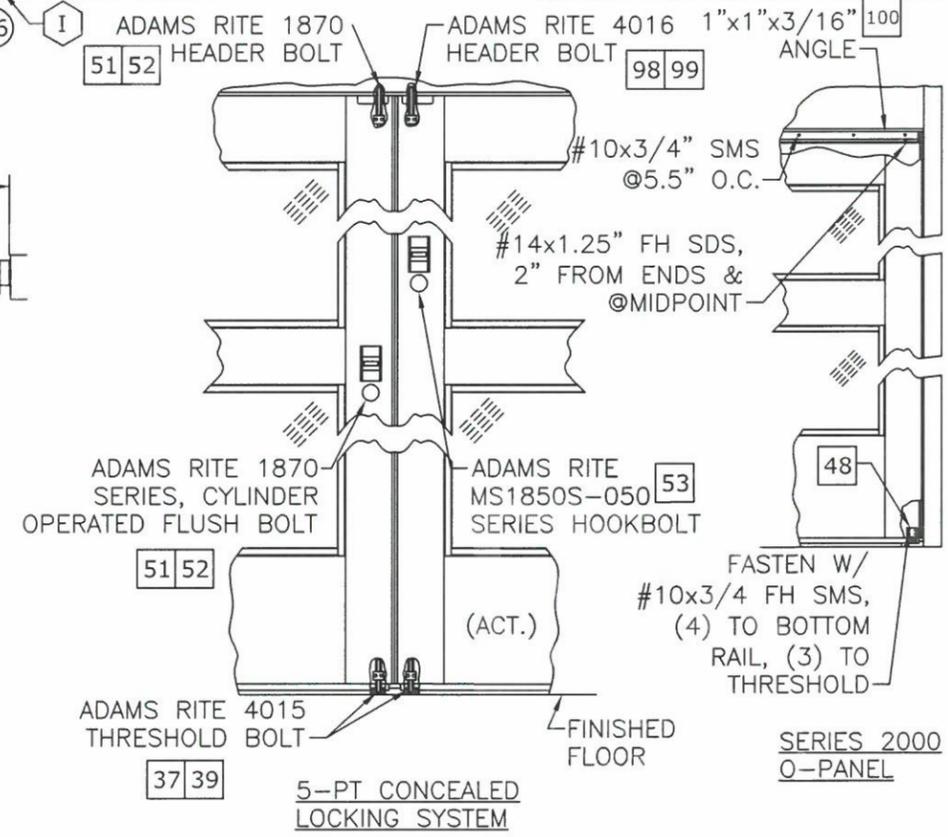
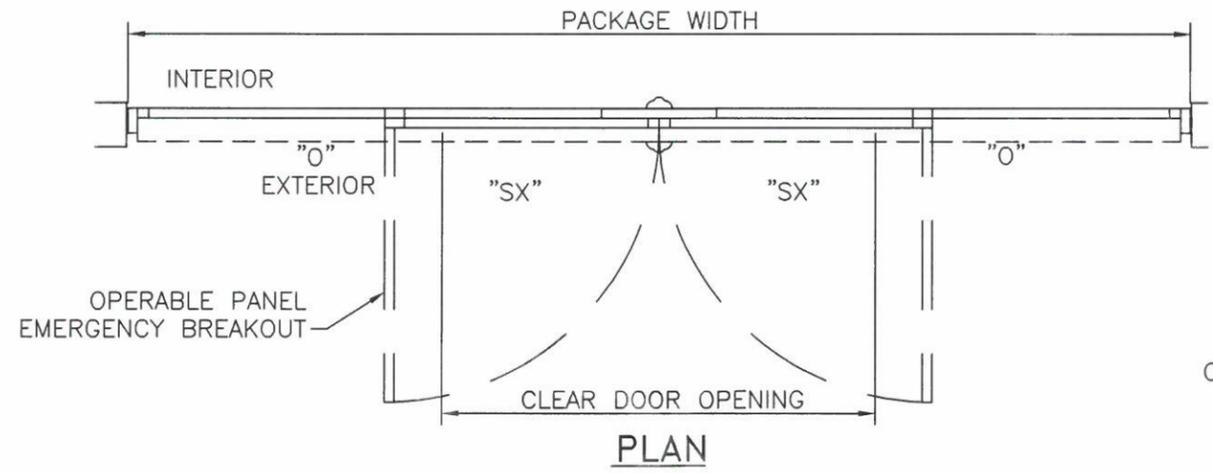
DESIGN RATINGS		
MISSILE IMPACT RATING		
<input checked="" type="checkbox"/>	LARGE AND SMALL MISSILE IMPACT	
DESIGN PRESSURE RATING (PSF[Pa])		
	WHERE WATER INFILTRATION RATING IS REQUIRED	WHERE WATER INFILTRATION RATING IS NOT REQUIRED
POSITIVE	NOT APPROVED	55 PSF
NEGATIVE	NOT APPROVED	55 PSF

SERIES 2000 AVAILABLE PACKAGE WIDTH INFORMATION*						
PACKAGE CONFIG	PACKAGE WIDTH	ROUGH OPENING	NOMINAL CLEAR DOOR OPENING	NOMINAL PANEL WIDTH (SX)	NOMINAL PANEL WIDTH (O)	CAULKING ALLOWANCE
1	192.0"	192.5"	78.3"	49.4"	49.4"	1/4" / SIDE
2	179.5"	180.0"	72.0"	46.3"	46.3"	1/4" / SIDE

SERIES 2000 AVAILABLE PACKAGE HEIGHT INFORMATION*				
PACKAGE CONFIG	PACKAGE HEIGHT	ROUGH OPENING	NOMINAL CLEAR DOOR OPENING	CAULKING ALLOWANCE
1	104.0"	104.3"	94.5"	1/4" TOP
2	128.0"	128.3"	118.5"	1/4" TOP

* NOTE: THIS SYSTEM WAS TESTED AT A SIZE OF 192"x128", HOWEVER THESE TABLES INDICATE PACKAGE SIZES AVAILABLE FROM MANUFACTURER.

- (XX) : EXTRUSION
- (XX)(XX) : EXTRUSION, MULTI-PIECE
- (XX)-(XX) : EXTRUSION, OPTION
- (XX) : PART
- (XX)(XX) : PART, MULTI-PIECE
- (XX)-(XX) : PART, OPTION
- (XX) : DETAIL
- (XX)-(XX) : DETAIL, OPTION



- NOTES**
- TYPICAL DOOR SHOWN. STILE, RAIL AND MUNTIN OPTIONS AVAILABLE AS INDICATED.
 - HORIZONTAL MUNTIN BAR NOT REQUIRED AS INDICATED BY DASHED LINES. MAX DLO: 39 3/4" W x 68 3/16" H AS SHOWN.
 - 5-POINT LOCKING STANDARD (3-PT ACTIVE & 2-PT).
 - PRODUCT SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH PRODUCT APPROVALS.
 - SEE SHEETS 4 THROUGH 6 FOR REQUIRED ANCHORAGE.
 - SEE SHEET 9 FOR GLAZING DETAILS.

ENGINEERING EXPRESS
 POSTAL ADDRESS:
 2234 NORTH FEDERAL HWY #7664
 BOCA RATON, FL 33431
 ENGINEERINGEXPRESS.COM

ALLEGION ACCESS TECHNOLOGIES, LLC
 65 SCOTT SWAMP RD.
 FARMINGTON, CT 06032



DRWN	CHKD	DATE
		11/13/23
SQ	RS	

REMARKS
 INIT ISSUE

23-67903

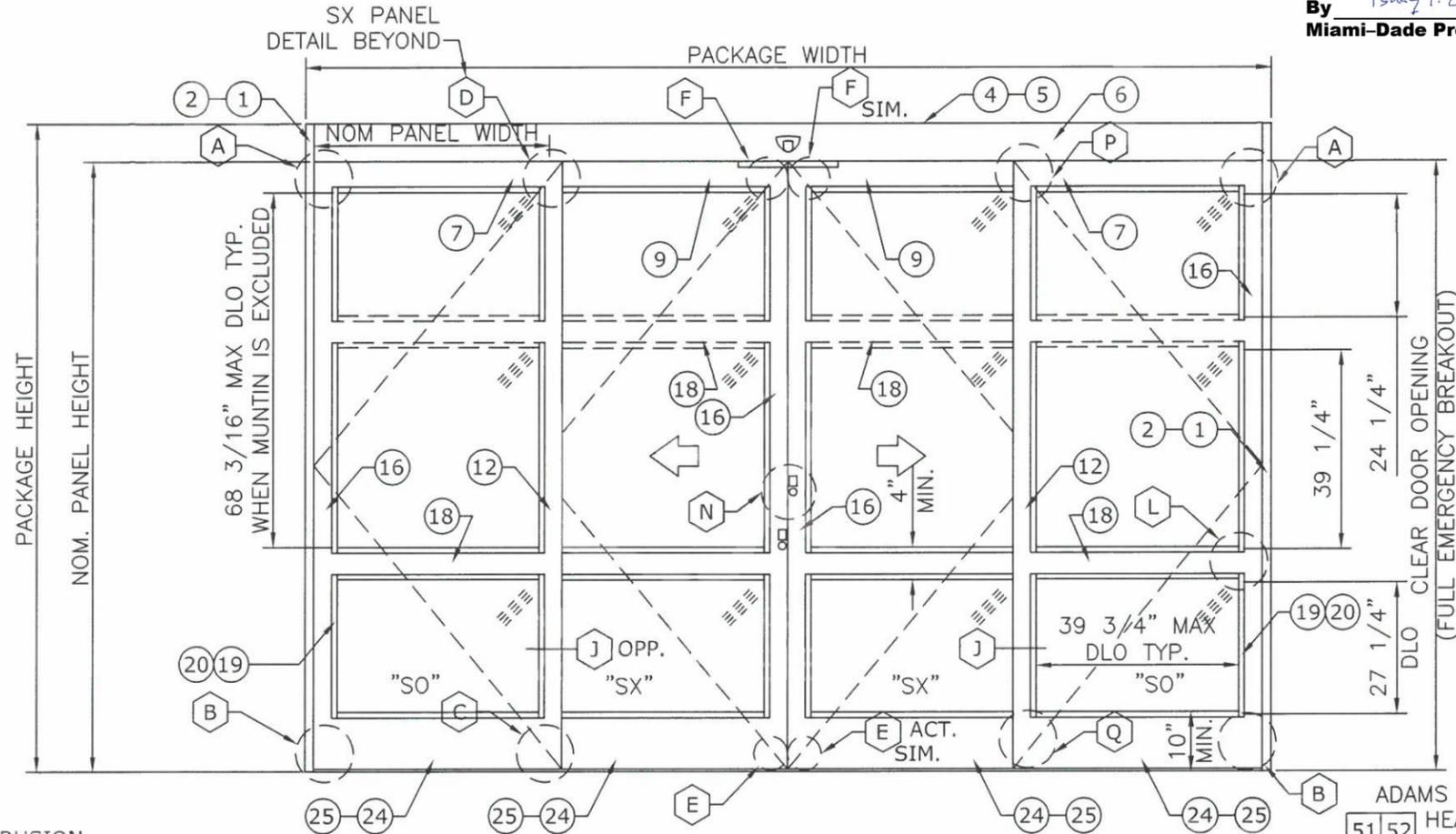
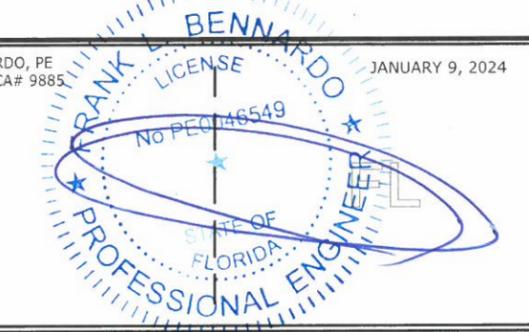
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02 OF 10

DURA-STORM SERIES 3000 ELEVATION AND PLAN

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 NOA-No. 23-1127.03
 Expiration Date 04/04/2028
 By *Ishag I. Chank*
 Miami-Dade Product Control

FRANK BENNARDO, PE
 PE# 0046549 CA# 9885
 JANUARY 9, 2024



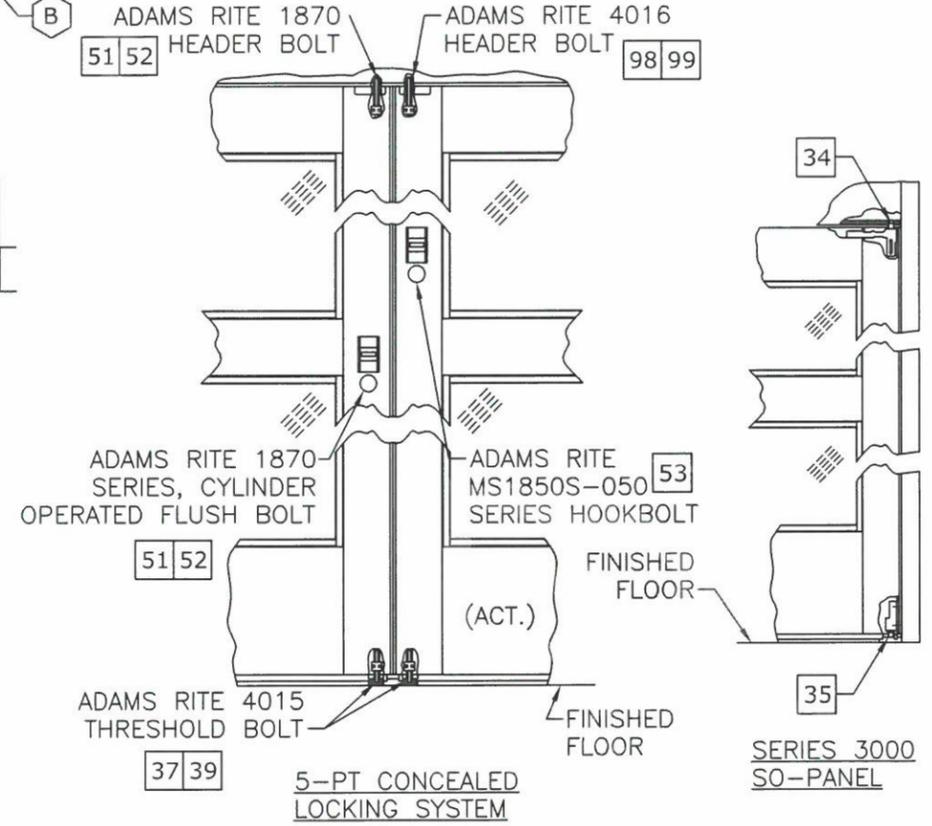
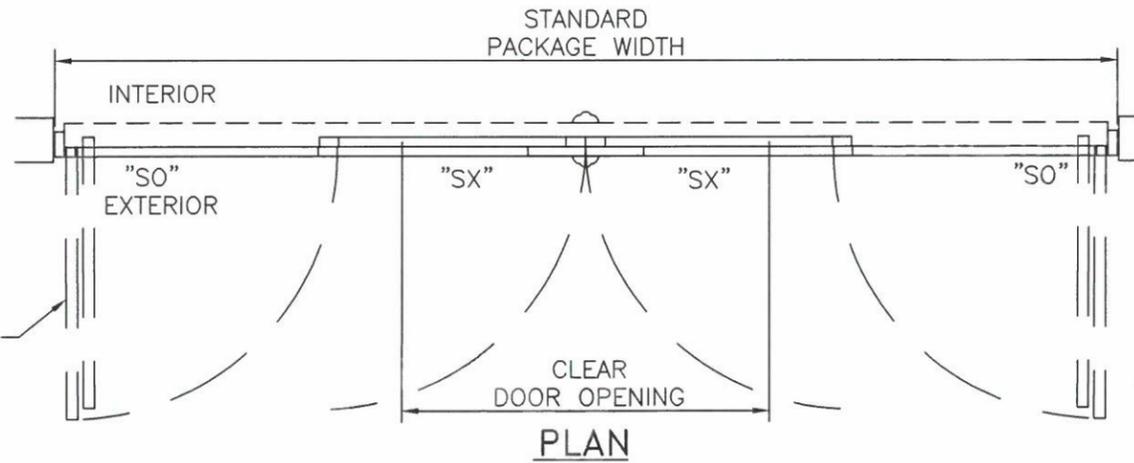
DESIGN RATINGS		
MISSILE IMPACT RATING		
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DESIGN PRESSURE RATING (PSF[Pa])		
	WHERE WATER INFILTRATION RATING IS REQUIRED	WHERE WATER INFILTRATION RATING IS NOT REQUIRED
POSITIVE	NOT APPROVED	55 PSF
NEGATIVE	NOT APPROVED	55 PSF

SERIES 3000 AVAILABLE PACKAGE WIDTH INFORMATION*						
PACKAGE CONFIG	PACKAGE WIDTH	ROUGH OPENING	NOMINAL CLEAR DOOR OPENING	NOMINAL PANEL WIDTH (SX)	NOMINAL PANEL WIDTH (O)	CAULKING ALLOWANCE
1	192.0"	192.5"	78.3"	49.4"	49.4"	1/4" / SIDE
2	179.5"	180.0"	72.0"	46.3"	46.3"	1/4" / SIDE

SERIES 3000 AVAILABLE PACKAGE HEIGHT INFORMATION*				
PACKAGE CONFIG	PACKAGE HEIGHT	ROUGH OPENING	NOMINAL CLEAR DOOR OPENING	CAULKING ALLOWANCE
1	104.0"	104.3"	94.5"	1/4" TOP
2	128.0"	128.3"	118.5"	1/4" TOP

* NOTE: THIS SYSTEM WAS TESTED AT A SIZE OF 192"X128", HOWEVER THESE TABLES INDICATE PACKAGE SIZES AVAILABLE FROM MANUFACTURER.

- XX : EXTRUSION
- XX-XX : EXTRUSION, MULTI-PIECE
- XX-XX : EXTRUSION, OPTION
- XX : PART
- XX-XX : PART, MULTI-PIECE
- XX-XX : PART, OPTION
- XX : DETAIL
- XX-XX : DETAIL, OPTION



- NOTES**
- TYPICAL DOOR SHOWN. STILE, RAIL AND MUNTIN OPTIONS AVAILABLE AS INDICATED.
 - HORIZONTAL MUNTIN BAR NOT REQUIRED, AS INDICATED BY DASHED LINES. MAX DLO: 39 3/4" W X 68 3/16" H AS SHOWN
 - 5-POINT LOCKING STANDARD (3-PT ACTIVE & 2-PT).
 - PRODUCT SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH PRODUCT APPROVALS.
 - SEE SHEETS 4 THROUGH 6 FOR REQUIRED ANCHORAGE.
 - SEE SHEET 9 FOR GLAZING DETAILS.

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 BI-PARTING AUTOMATIC SLIDING GLASS DOOR (LMT)
 MIAMI-DADE NOTICE OF ACCEPTANCE

DRWN	CHKD	DATE
SQ	RS	11/13/23

REMARKS
 UNIT ISSUE

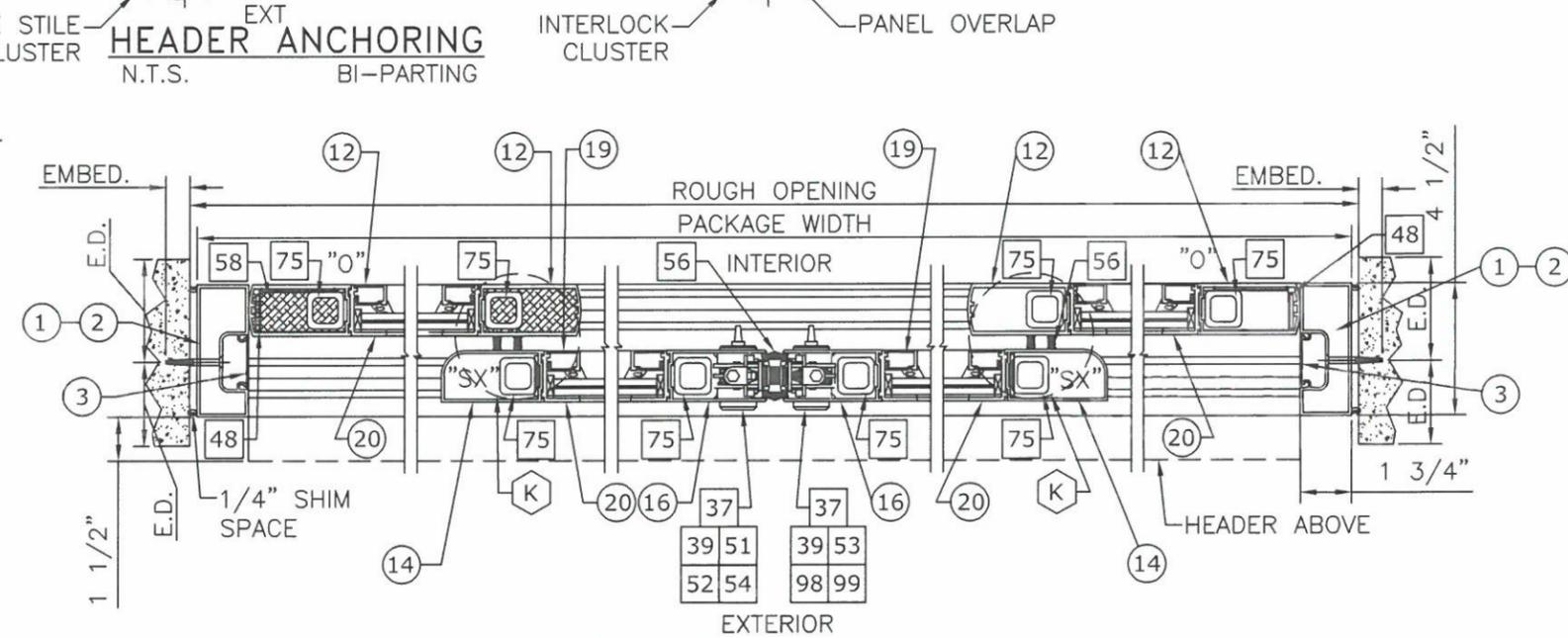
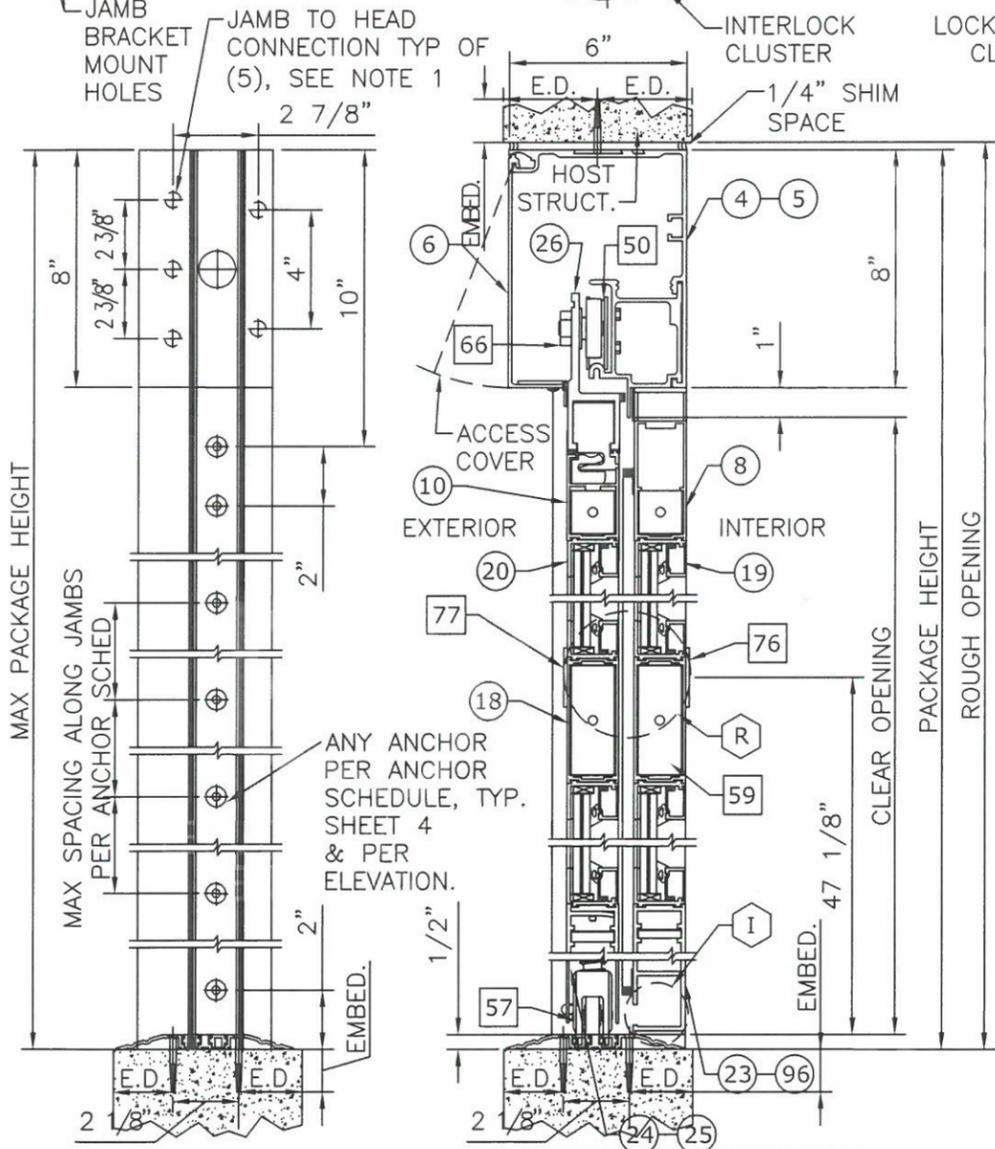
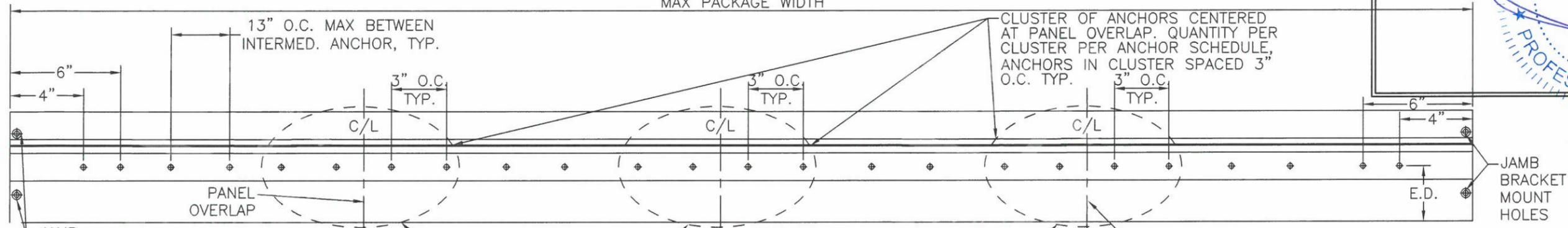
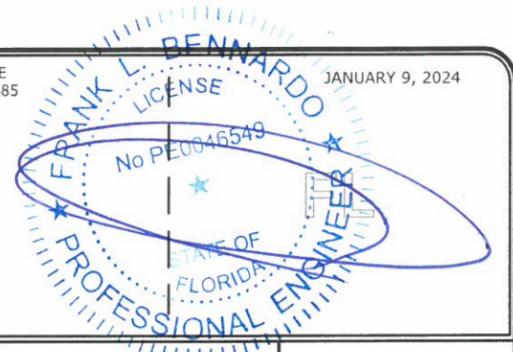
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DURA-STORM SERIES 2000 SECTIONS & ANCHORING, STANDARD 5-PT LOCKS

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

JANUARY 9, 2024



- ⊗ : EXTRUSION
- ⊗⊗ : EXTRUSION, MULTI-PIECE
- ⊗-⊗ : EXTRUSION, OPTION
- ⊞ : PART
- ⊞⊞ : PART, MULTI-PIECE
- ⊞-⊞ : PART, OPTION
- ⊠ : DETAIL
- ⊠-⊠ : DETAIL, OPTION

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 23-1127.03
Expiration Date 04/04/2028
By *Ishaq I. Chank*
Miami-Dade Product Control

SEE THRESHOLD ANCHORS SHEET 6. APPLICABLE TO 3KSI CONCRETE ONLY.

FRAME ANCHORING
N.T.S.

① VERTICAL SECTION
2"=1'-0"

② HORIZONTAL SECTION
2"=1'-0" BI-PARTING

HOST STRUCTURE	ANCHOR	EMBEDMENT	EDGE DISTANCE	NUMBER OF ANCHORS PER INTERLOCK/LOCK STILE CLUSTER		MAX INTERMEDIATE ANCHOR SPACING ALONG HEAD & THRESHOLD	MAX ANCHOR SPACING ALONG JAMBS
				HEAD	THRESHOLD		
3KSI MIN. CONCRETE	1/4" POWERS/RAWL PERMASEAL TAPPER	1-1/2"	3"	4	6	13" O.C. MAX	27" O.C. MAX
3/16" MIN. A36 STEEL	1/4-20 SAE GR. 5 SMS	FULL THREAD ENGAGEMENT	1/2"	4	N/A	13" O.C. MAX	27" O.C. MAX
G=0.55 MIN. WOOD	#14 WOOD SCREW	2"	3/4"	4	N/A	13" O.C. MAX	27" O.C. MAX
0.090" MIN. 6063-T5 ALUM.	#14 SAE GR. 5 SDS	FULL THREAD ENGAGEMENT	1/2"	4	N/A	13" O.C. MAX	27" O.C. MAX

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NOTES
1. JAMB TO HEAD CONNECTION FASTENERS; 5/16-18 HHMS WITH WASHER.

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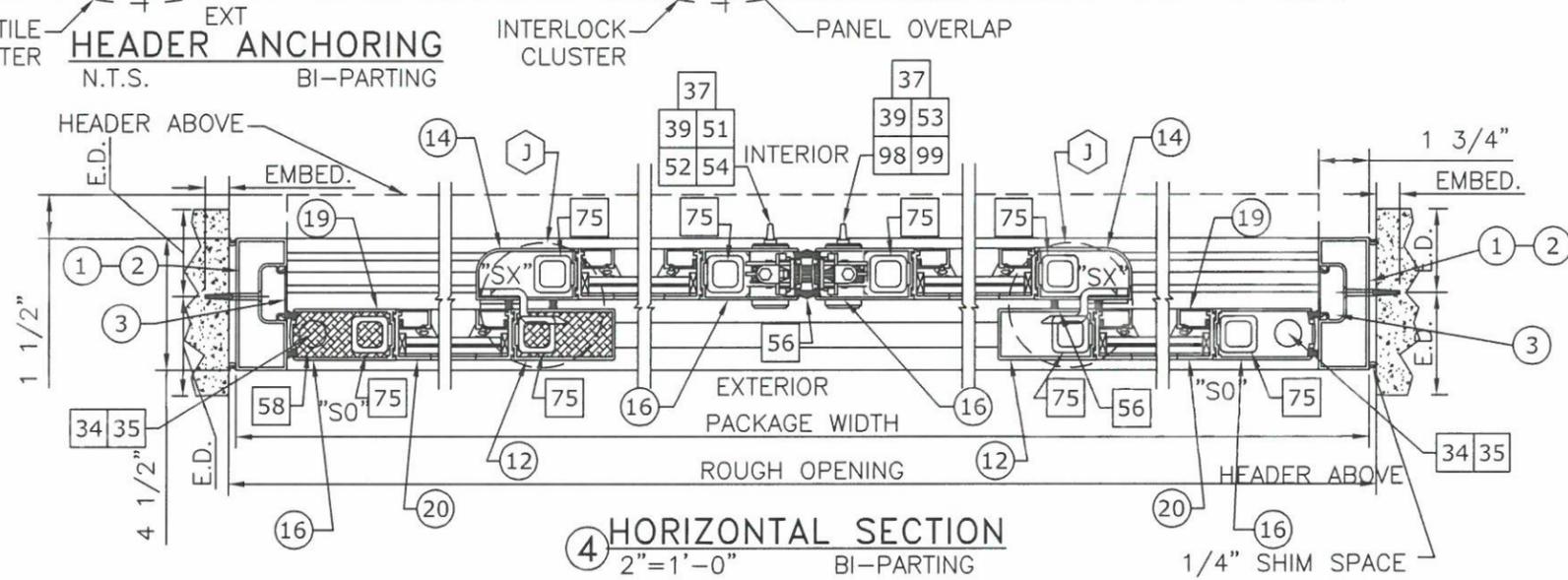
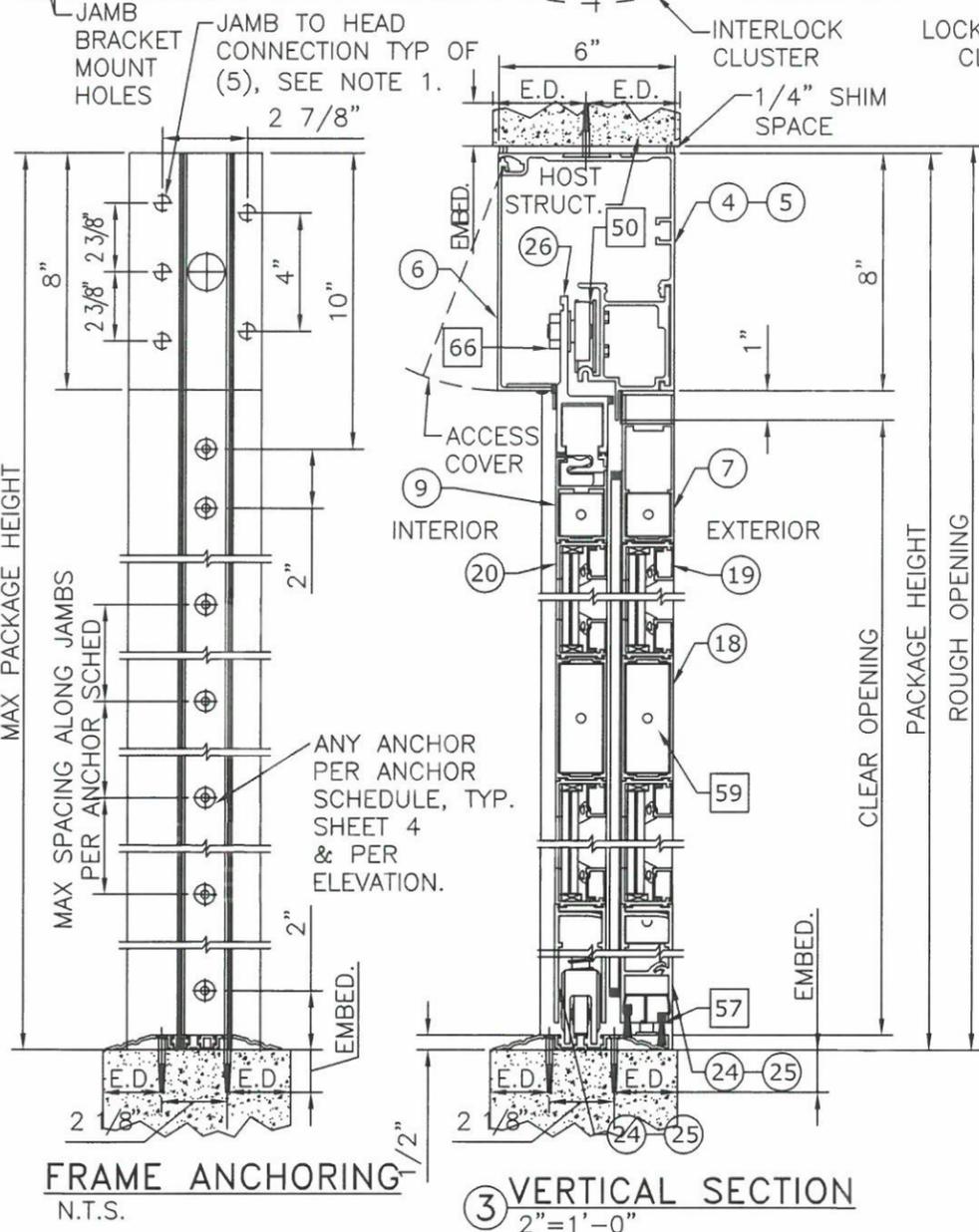
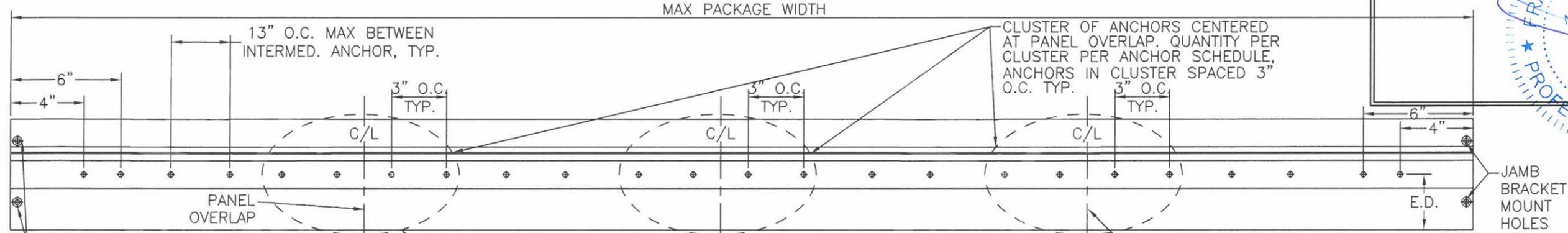
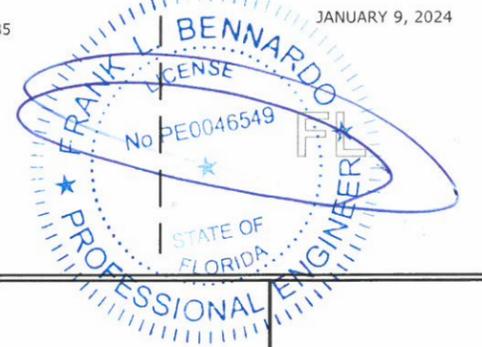
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DURA-STORM SERIES 3000 SECTIONS & ANCORING, STANDARD 5-PT LOCKS

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

JANUARY 9, 2024



- ⊗ : EXTRUSION
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- ⊞-⊞ : PART, OPTION
- ⊠ : DETAIL
- ⊠-⊠ : DETAIL, OPTION

SEE THRESHOLD ANCHORS SHEET 6. APPLICABLE TO 3KSI CONCRETE ONLY.

PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 23-1127.03

Expiration Date 04/04/2028

By Ishay I. Chandra
Miami-Dade Product Control

NOTE: SEE SHEET 4 FOR ANCHOR SCHEDULE AND ALLOWABLE ANCHOR TYPES

NOTES

1. JAMB TO HEAD CONNECTION FASTENERS; 5/16-18 HHMS WITH WASHER.

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MIAMI-DADE NOTICE OF ACCEPTANCE

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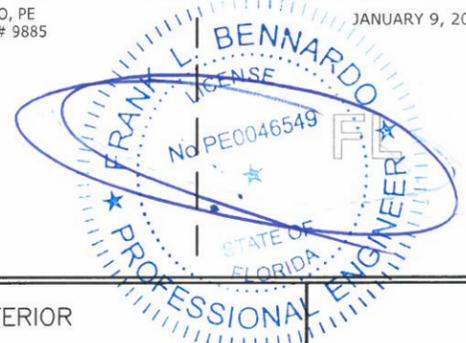
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DURA-STORM SERIES 2000/3000 THRESHOLDS & ANCHORING

FRANK BENNARDO, PE
PE# 0046549 CA# 9885
JANUARY 9, 2024



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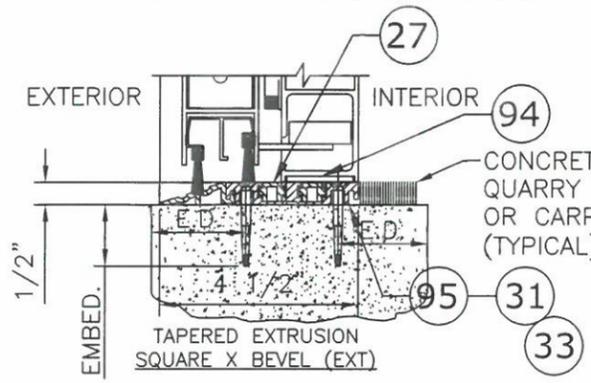
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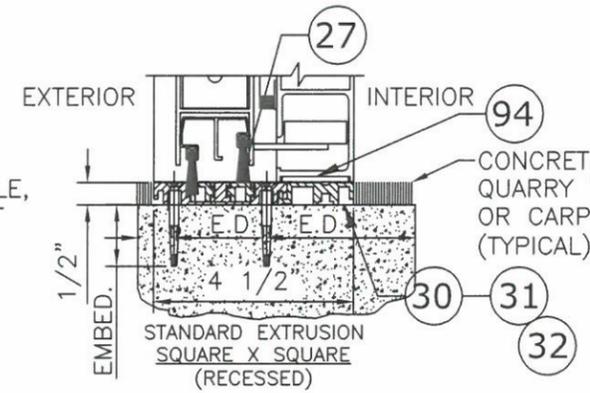
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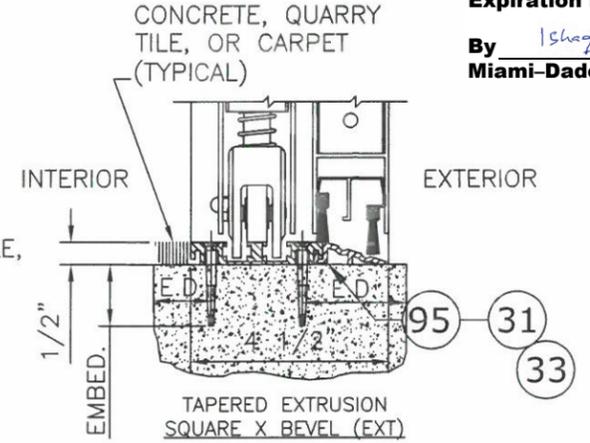
NOTE: USE CONCRETE ANCHOR PER ANCHOR SCHEDULE FOR ALL THRESHOLD ANCHORAGE DETAILS SHOWN HEREIN. SEE SHEET 4 FOR ANCHOR SCHEDULE AND ALLOWABLE CONCRETE ANCHOR TYPES



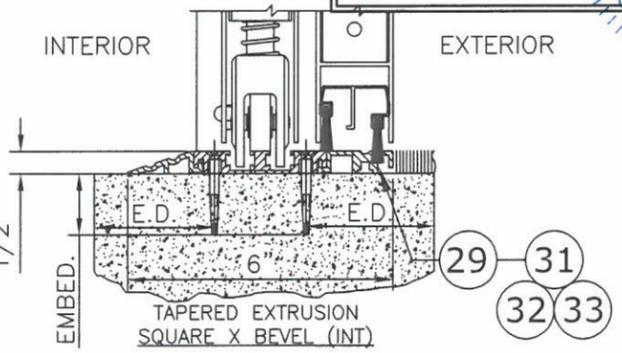
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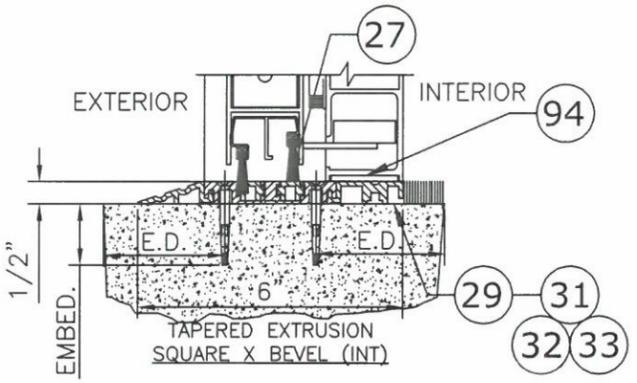
THRESHOLD-SQUARE
3"=1'-0" 2000



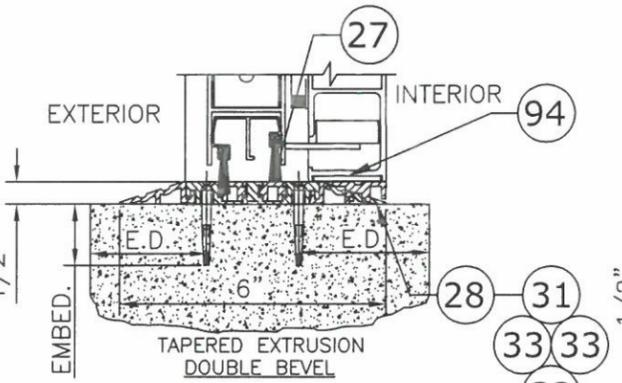
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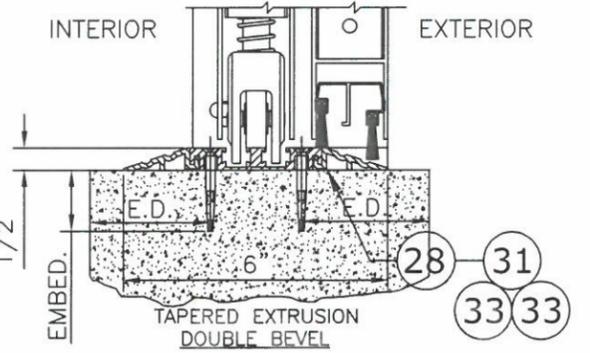
THRESHOLD-TAPERED INT
3"=1'-0" 3000



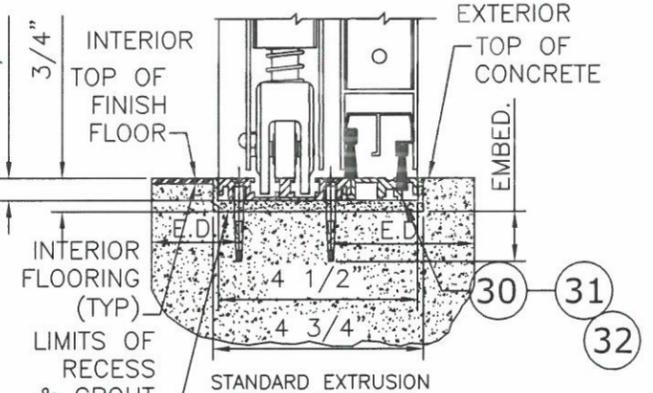
THRESHOLD-TAPERED INT
3"=1'-0" 2000



THRESHOLD-TAPERED
3"=1'-0" 2000

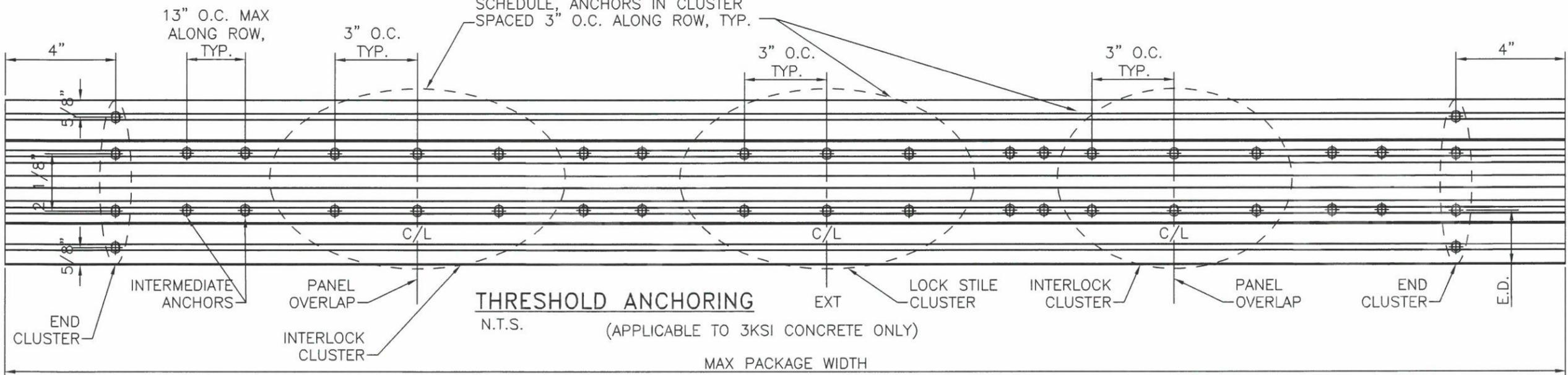


THRESHOLD-TAPERED
3"=1'-0" 3000



THRESHOLD-SQUARE
3"=1'-0" 3000

CLUSTER OF ANCHORS IN (2) ROWS CENTERED AT PANEL OVERLAP. QUANTITY PER CLUSTER PER ANCHOR SCHEDULE, ANCHORS IN CLUSTER SPACED 3" O.C. ALONG ROW, TYP.



THRESHOLD ANCHORING
N.T.S. (APPLICABLE TO 3KSI CONCRETE ONLY)
MAX PACKAGE WIDTH

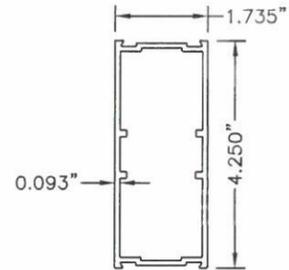
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DURA-STORM SERIES 2000/3000 EXTRUSIONS

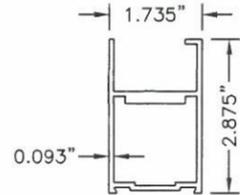
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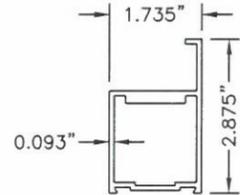
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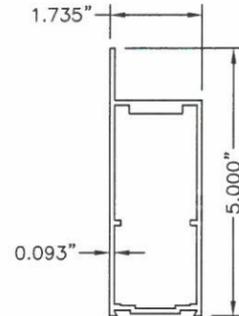
18 MUNTIN BAR
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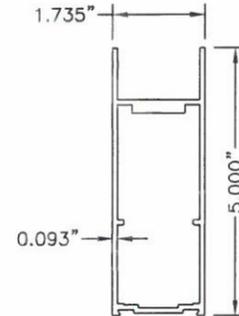
9 TOP RAIL, SX
 N.T.S. 3000 6063-T6



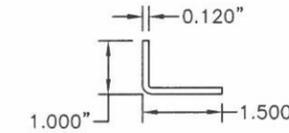
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 N.T.S. 2000 6063-T6



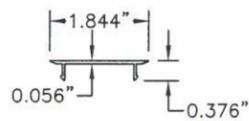
7 TOP RAIL, SO
 N.T.S. 3000 6063-T6



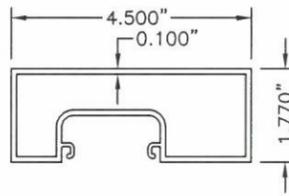
8 TOP RAIL, O
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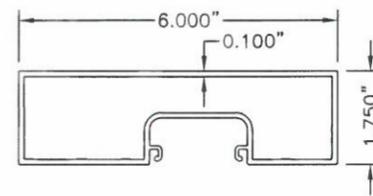
48 BRACKET
 N.T.S. 6063-T6



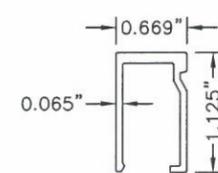
3 JAMB INSERT
 N.T.S. 6063-T6



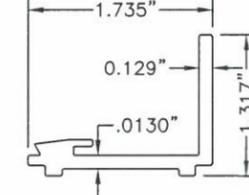
1 JAMB 4 1/2
 N.T.S. 6063-T6



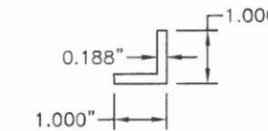
2 JAMB 6
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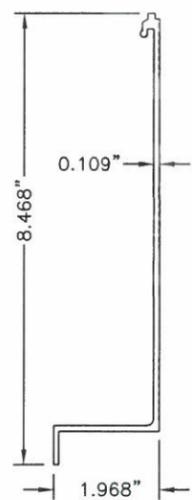
19 GLASS STOP
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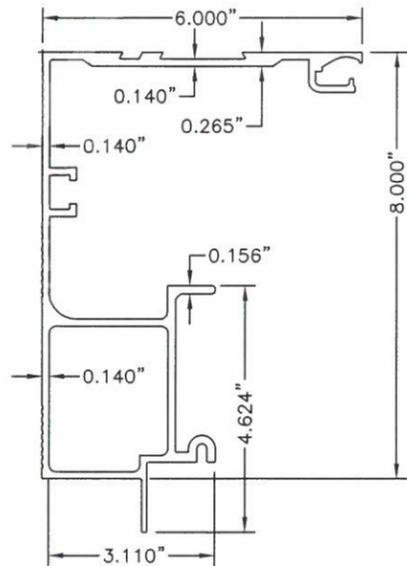
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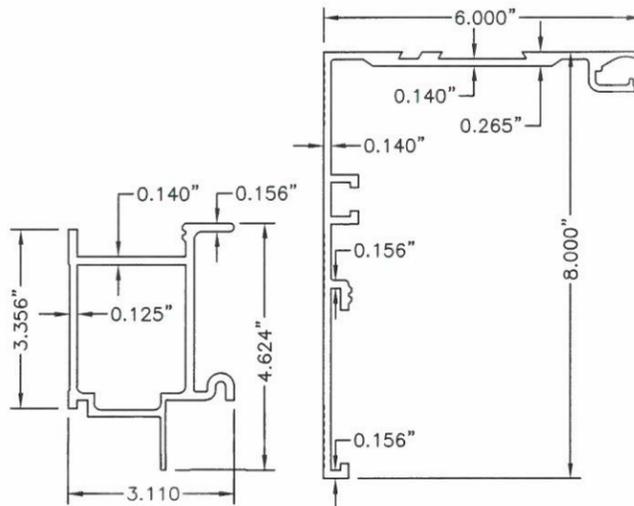
100 ANGLE
 N.T.S. 6063-T6



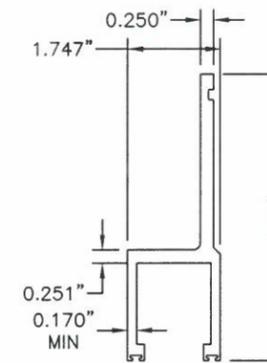
6 HEADER COVER
 N.T.S. 6063-T6



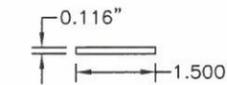
4 HEADER
 N.T.S. 6063-T6



5 HEADER (2 PC.)
 N.T.S. 6063-T6



26 HANGER
 N.T.S. 6063-T6



94 KEY STRIP
 N.T.S. 6063-T6

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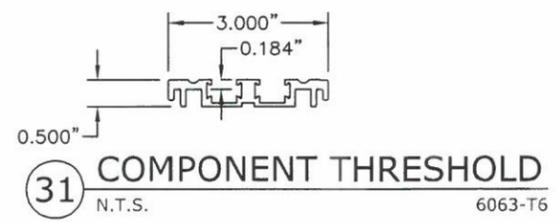
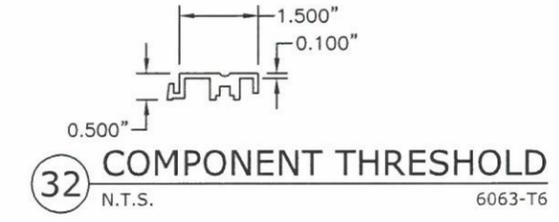
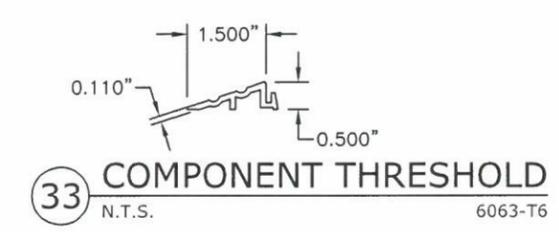
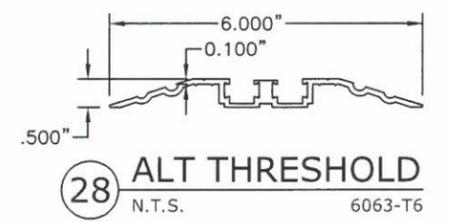
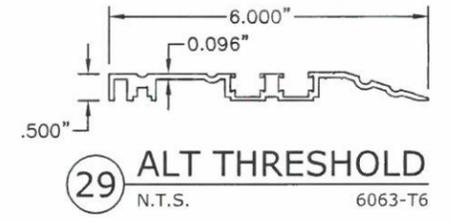
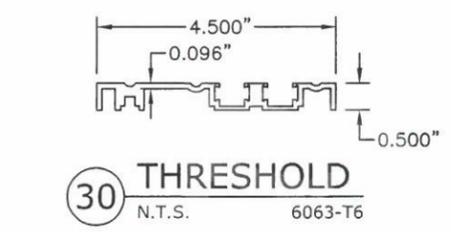
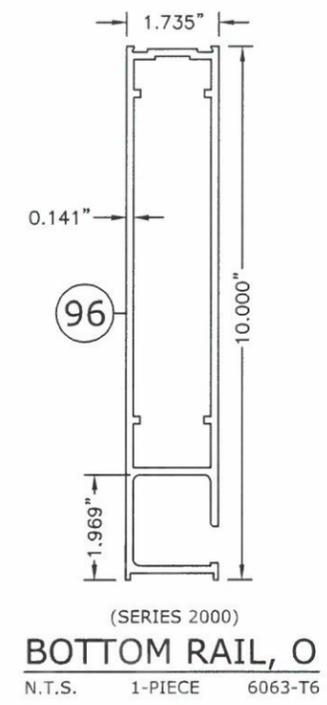
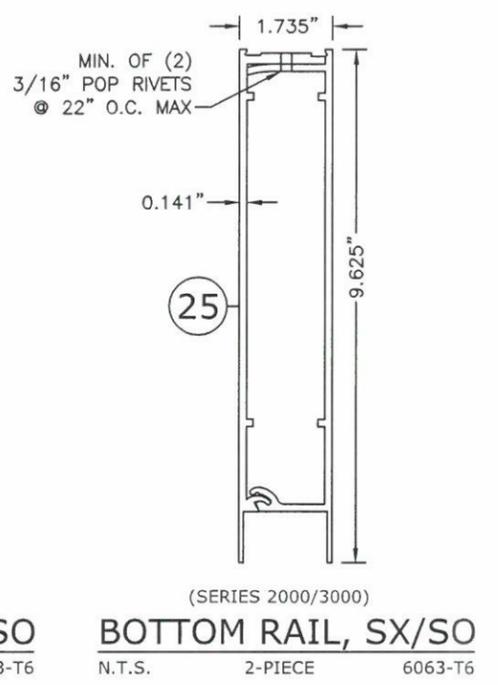
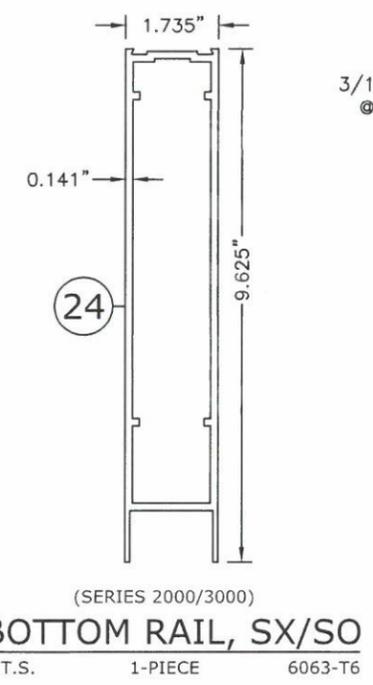
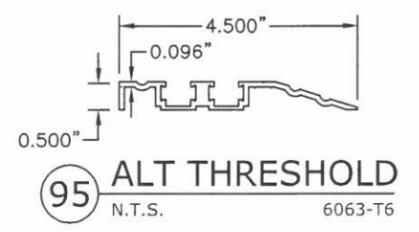
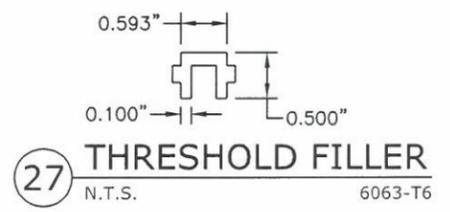
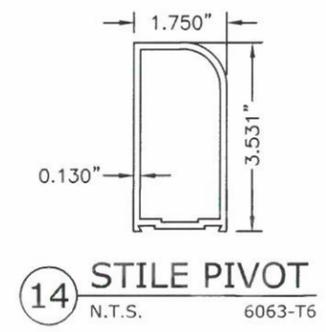
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DURA-STORM SERIES 2000/3000 EXTRUSIONS

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

JANUARY 9, 2024

FRANK L. BENNARDO
LICENSE
No PE0046549
STATE OF FLORIDA
PROFESSIONAL ENGINEER



PRODUCT RENEWED
as complying with the Florida Building Code
NOA-No. 23-1127.03
Expiration Date 04/04/2028
By Ishag I. Chank
Miami-Dade Product Control

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ALLEGION ACCESS TECHNOLOGIES, LLC
65 SCOTT SWAMP RD.
FARMINGTON, CT 06032
SAT SERIES "DURA-STORM 2000/3000" STEEL REINF. BI-PARTING AUTOMATIC SLIDING GLASS DOOR (LMT)
MIAMI-DADE NOTICE OF ACCEPTANCE

REMARKS	DATE
INIT ISSUE	11/13/23
DRWN	
CHKD	
RS	
SQ	

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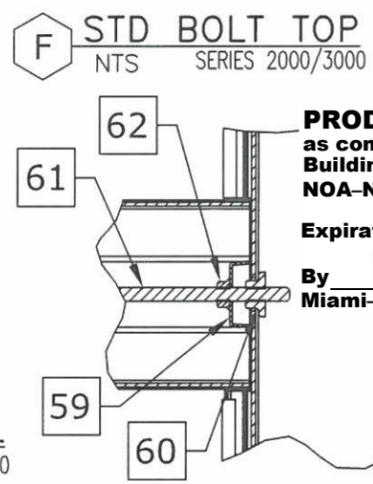
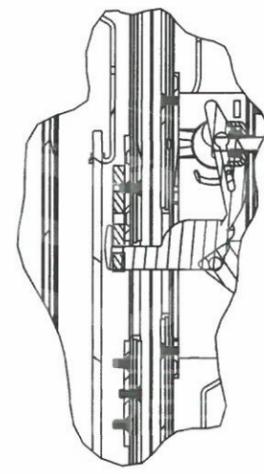
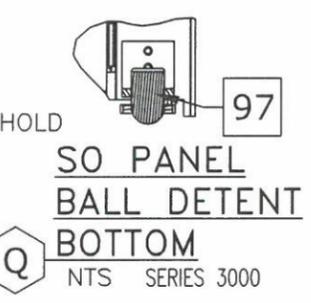
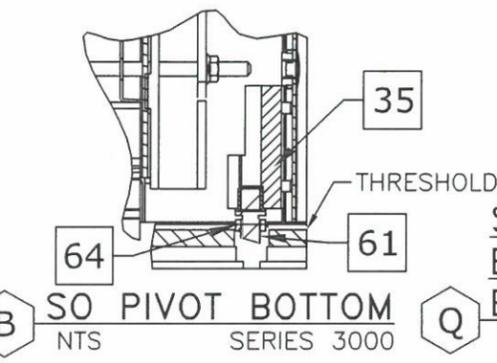
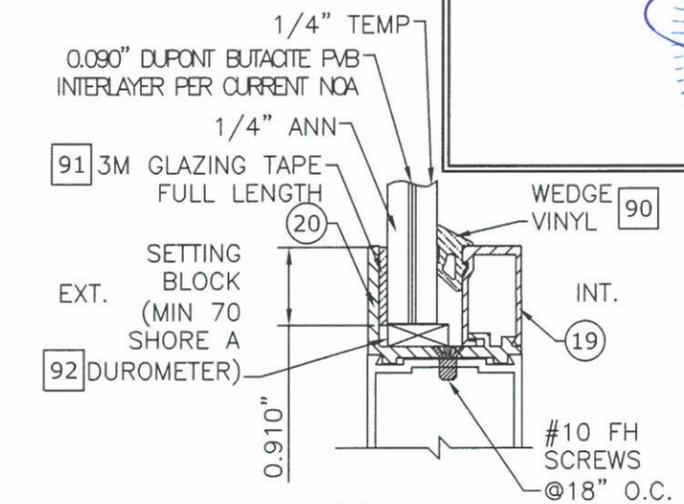
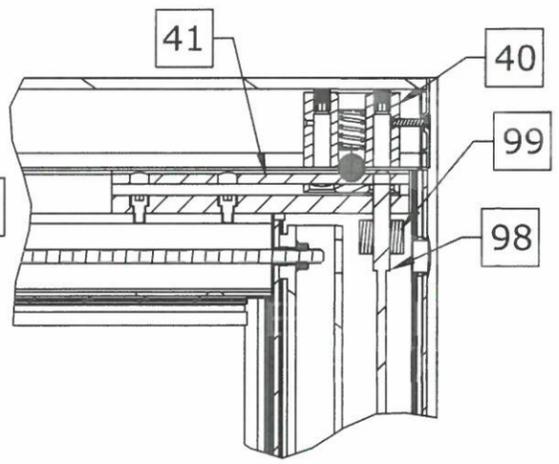
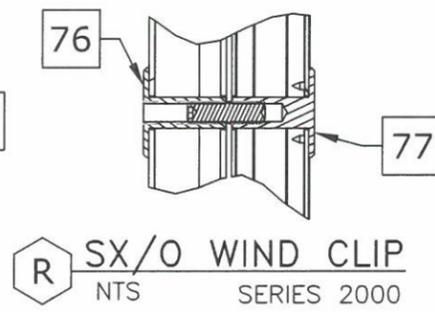
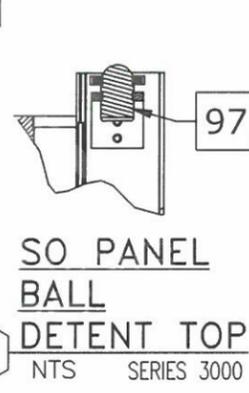
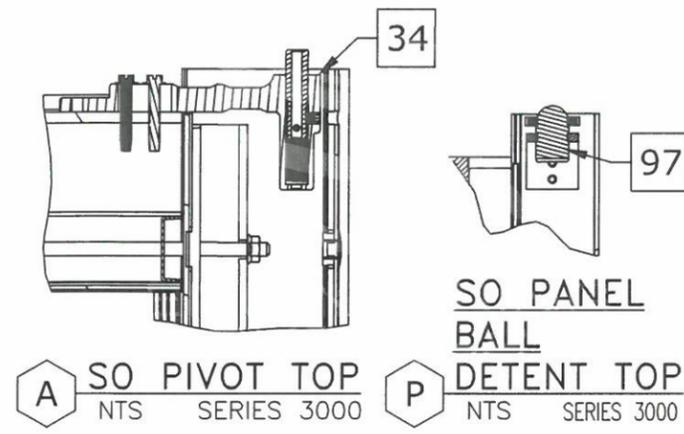
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DURA-STORM SERIES 2000/3000 DETAILS

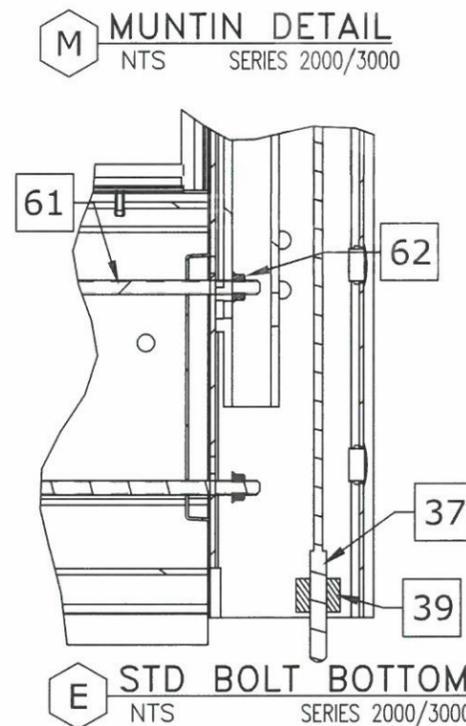
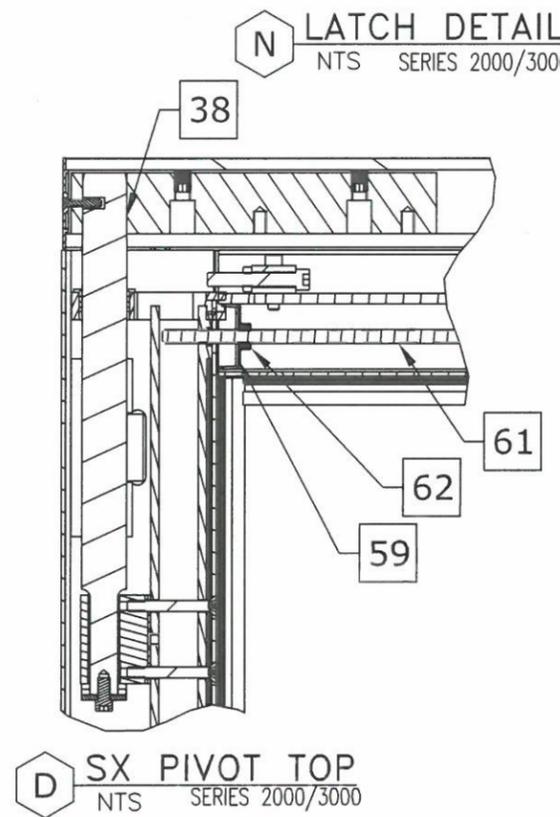
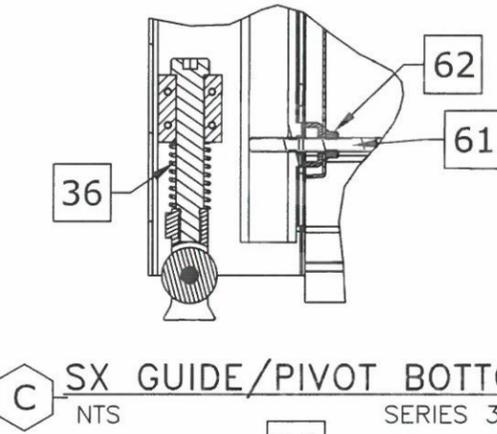
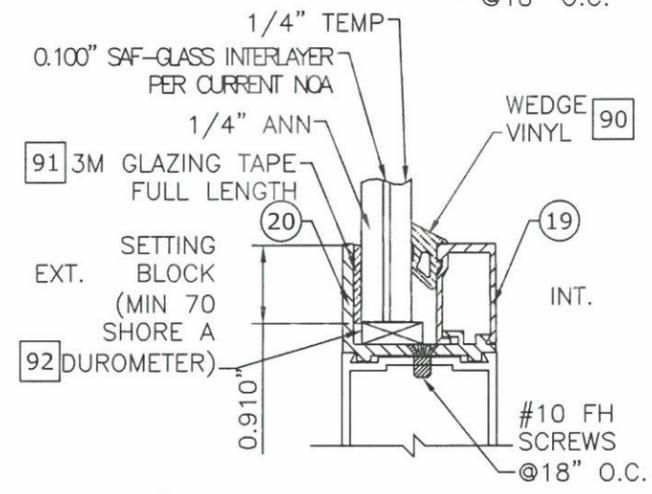
FRANK BENNARDO, PE
PE# 0046549 CA# 9885

JANUARY 9, 2024

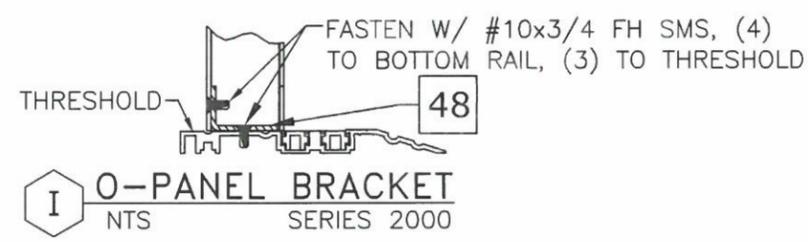
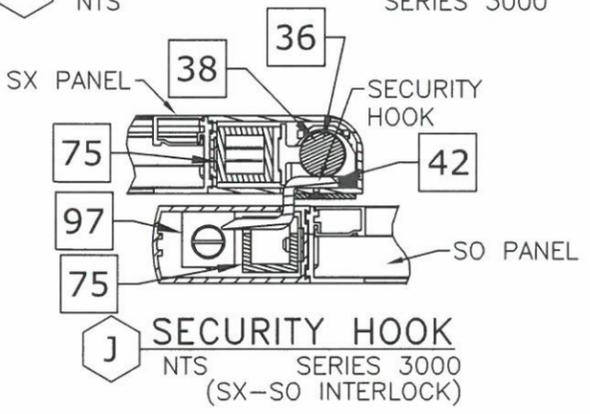
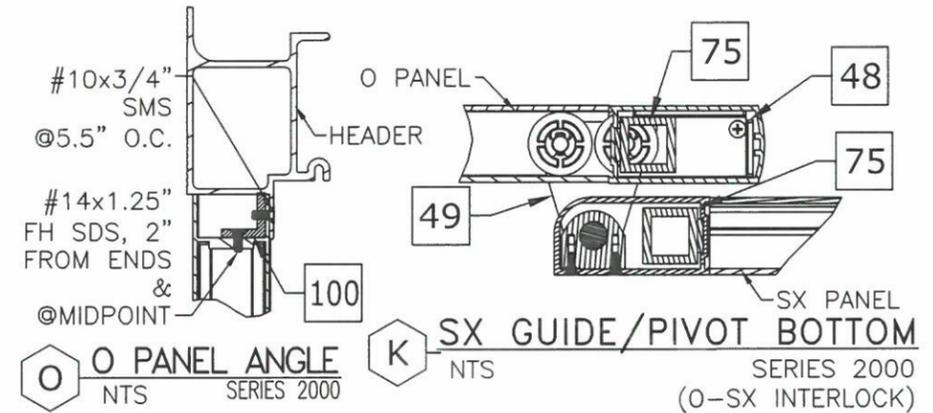
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9/16" LAMINATED GLAZING DETAIL



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ALLEGION

SAT SERIES "DURA-SOTRM 2000/3000" STEEL REINF. BI-PARTING AUTOMATIC SLIDING GLASS DOOR (LMT)
MIAMI-DADE NOTICE OF ACCEPTANCE

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REMARKS

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DURA-STORM SERIES 2000/3000 BILL OF MATERIALS

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

JANUARY 9, 2024

BILL OF MATERIALS	
REFERENCE	DESCRIPTION
1	Extrusion - Jamb - 4 1/2"
2	Extrusion - Jamb - 6"
3	Extrusion - Jamb - Insert
4	Extrusion - Header - 1 PC
5	Extrusion - Header - 2 PC
6	Extrusion - Header Cover -
7	Extrusion - Top Rail - SO
8	Extrusion - Top Rail - O
9	Extrusion - Top Rail - SX
10	Extrusion - Top Rail - SX
12	Extrusion - Stile - Lead
14	Extrusion - Stile - Pivot
16	Extrusion - Stile - Lock
18	Extrusion - Muntin Bar - 4.25"
19	Extrusion - Glass Stop -
20	Extrusion - Glass Gutter -
23	Extrusion - Bottom Rail O - 10" - 2 PC
24	Extrusion - Bottom Rail SX/SO - 1 PC - 10"
25	Extrusion - Bottom Rail SX/SO - 2 PC - 10"
26	Extrusion - Hanger -
27	Extrusion - Threshold - Filler
28	Extrusion - Threshold - Dbl bevel - 6"
29	Extrusion - Threshold - Sq/Bvl - 6"
30	Extrusion - Threshold - Recessed - 4.5"
31	Extrusion - Threshold - Core
32	Extrusion - Threshold - Square
33	Extrusion - Threshold - Bevel
34	Component - Top Pivot - SO - 3000
35	Component - Bottom Pivot - SO - 3000
36	Component - Bottom Guide - SX - 3000
37	Component - Throw Bolt - Std - Adams Rite 4015
38	Component - Top pivot - SX
39	Component - Guide - Throw Bolt - Adams Rite 4015

BILL OF MATERIALS	
REFERENCE	DESCRIPTION
40	Component - Ball Detent - Std
41	Component - Detent Block - Std
42	Component - Security Hook - Std
48	Component - Bracket - O Panel
49	Component - Bottom Guide - SX - 2000
50	Component - Load Wheel - Steel/Aluminum/Plastic
51	Component - 2-PT Lock - Cylinder - Adams Rite 1870 Flushbolt, to be used with A.R. 4015 bottom bolt.
52	Component - 2-PT Lock - Thumb Turn - Adams Rite 1870 Flushbolt, to be used with A.R. 4015 bottom bolt.
53	Component - 8 Ply Hookbolt Lock - Single Action - Adams Rite MS1850S-050 (Deadbolt), Used w/ Adams Rite 4015 and 4016 Bolts
54	Component - Exit Indicator -
56	Component - Pile - Adhesive/non Adhesive backed
57	Component - Brush - Sweep
58	Component - Foam Block -
59	Hardware - Tie Rod - Plate
60	Hardware - Tie Rod - Nut - 5/16-18 - Steel
61	Hardware - Threaded Rod - 5/16-18 - Steel
62	Hardware - 5/16 - 18 - Nut - Steel
63	Hardware - Tie Rod / Rail - Plate - Steel
64	Hardware - 7/16-20 Jamb Nut - Steel
65	Hardware - 7/16 SO Pivot Pin - Steel
66	Hardware - 5/8-11 Nut - Steel
75	Steel Panel Reinforcing
76	Component - Lock Flange (Int) - "Wind Clip"
77	Component - Lock Flange (Ext) - "Wind Clip"
90	Glazing - Wedge Vinyl - RM270864 by Trelleborg
91	Glazing - 3M Tape -
92	Glazing - Setting Block -
94	Extrusion - Key Strip
95	Extrusion - Threshold - Sq/Bvl - 4.5"
96	Extrusion - Bottom Rail O - 10"
97	Component - Ball Detent - SO
98	Component - Throw Bolt - Std - Adams Rite 4016
99	Component - Guide - Throw Bolt - Adams Rite 4016
100	Extrusion - 1"x1"x3/16" Angle

NON-CALL OUT PART #S 67-74, 78-89 ARE NOT PART OF BOM

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