



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

**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**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 2000/3000” Bi-Parting and Single Slide Automatic Sliding Glass Door Level D (50 ft/s) - HVHZ**

**APPROVAL DOCUMENT:** Drawing No. **23-67901** titled **Series “DURA-STORM 2000/3000” Bi-Parting and Single Slide Automatic SGD LMI (Missile Level D)** sheets 1 through 17 of 17, dated 11/13/2023, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, 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 Section.

**MISSILE IMPACT RATING: Large and Small Impact Resistant**

**Limitations:**

1. Max panel widths not to exceed per sheet 1 (So-Sx-Sx-So) and (Sx-So).
2. 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 consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P.E.**



*S.Z.*  
02/22/2024

NOA No. 23-0531.02  
Expiration Date: February 22, 2029  
Approval Date: February 22, 2024  
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **23-67901** titled **Series “DURA-STORM 2000/3000” Bi-Parting and Single Slide Automatic SGD LMI (Missile Level D)** sheets 1 through 17 of 17, dated 11/13/2023, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.,

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94 (**0.27** cfm/ft<sup>2</sup> @ **1.57** PSF)  
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 (FTL-6803)  
along with installation diagram of Series 2000/3000 aluminum automatic sliding glass doors (So-Sx-Sx-So) and (Sx-So), prepared by QAI Laboratories, Test Report No. **12858** dated 03/20/2023, signed and sealed by Idalmis Ortega, P.E.

**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. **22-1116.01** issued to Kuraray America, Inc. for the “**Sentry Glass ® Interlayer**”, expiring on 07/04/24.
2. Notice of Acceptance No. **22-1130.05** issued to Eastman Chemical Company (MA) for the “**Saflex Storm - Saflex and Saflex HP Composite Glass Interlayers with PET Core**”, expiring on 12/11/2028.

**F. STATEMENTS**

1. Statement letter of conformance to **FBC 2023** (8<sup>th</sup> Edition), dated 12/01/2023, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.
2. Statement letter of “No financial interest”, dated 12/01/2023, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.
3. Lab compliance, prepared by QAI Laboratories, part of Test Report No. **12858** dated 03/20/2023, signed and sealed by Idalmis Ortega, P.E.

**G. OTHER**

1. None.



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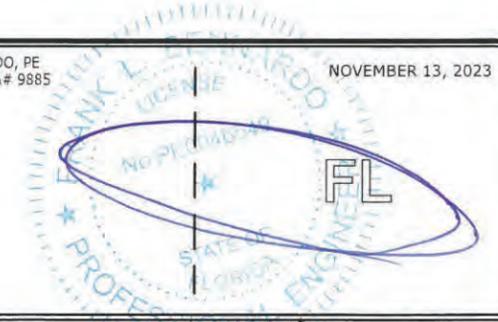
Sifang Zhao, P.E.  
Product Control Examiner  
NOA No. 23-0531.02  
Expiration Date: February 22, 2029  
Approval Date: February 22, 2024

# DURA-STORM SERIES 2000/3000 AUTO SLIDING GLASS DOOR

## MISSILE LEVEL "D" - HVHZ

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

NOVEMBER 13, 2023

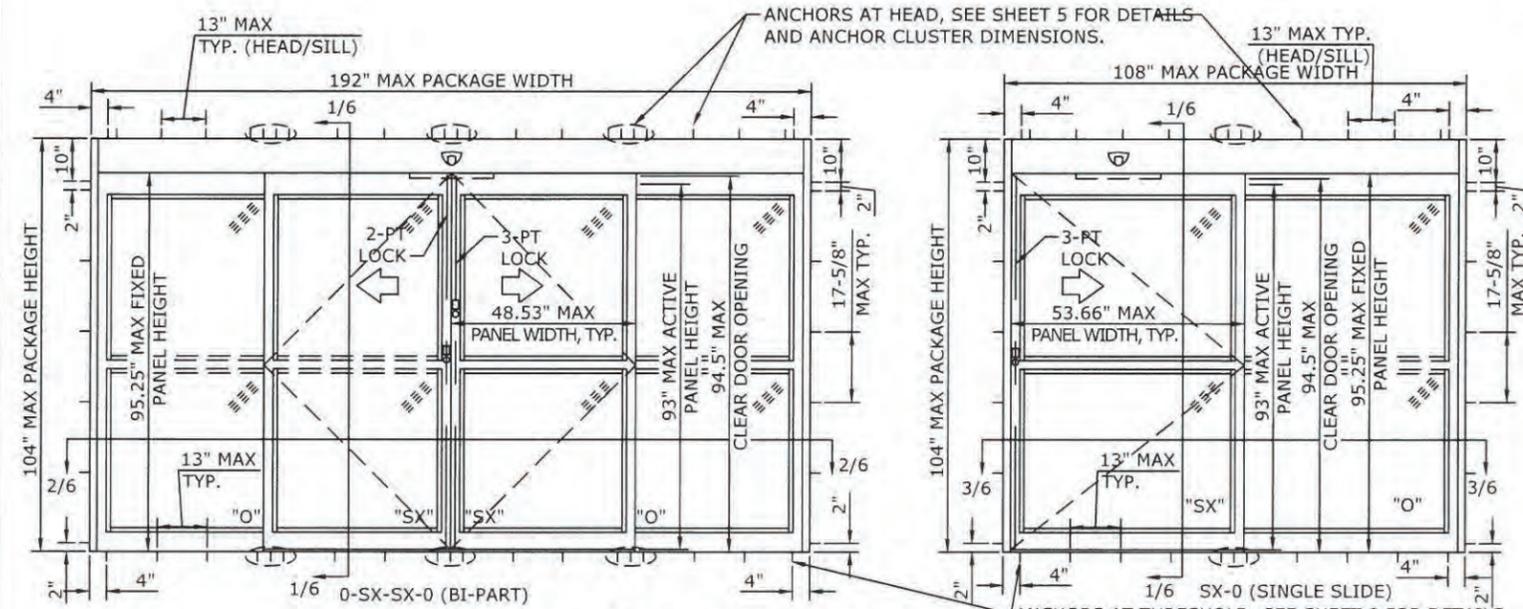


**PRODUCT APPROVED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0531.02

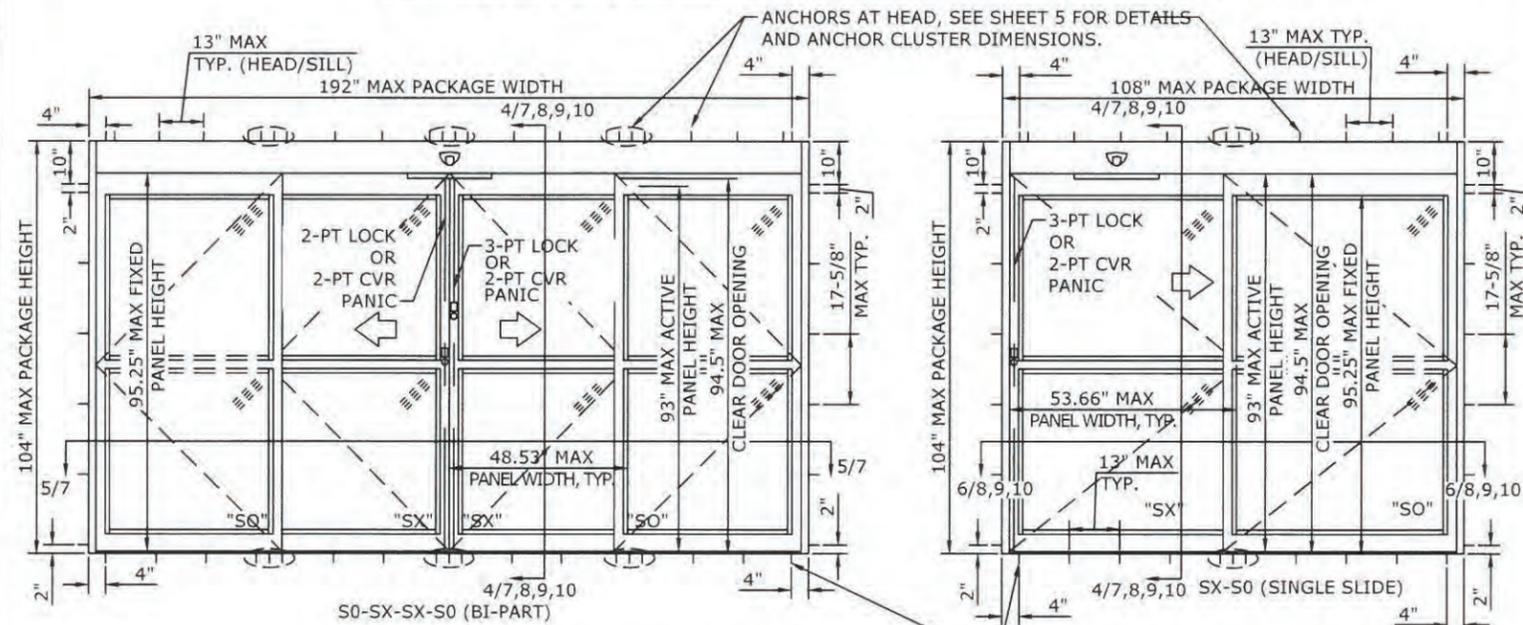
Approval Date 02/22/2029

By   
Miami-Dade Product Control

NOA# 23-0531.02



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 8<sup>TH</sup> 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.
- EOR/GC SHALL VERIFY THE ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND ADDITIONAL IMPOSED LOADS. 1X OR 2X WOOD BUCKS BY OTHERS SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
- NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THESE PRODUCTS. WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD ANCHOR DESIGN.
- POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED PER SEPARATE ENGINEERING IN ACCORDANCE WITH THE GOVERNING CODE. PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-16 AND CHAPTER 1609 OF THE FLORIDA BUILDING CODE SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- DOORS DETAILED HEREIN HAVE BEEN DESIGNED AND TESTED TO THE MAXIMUM SPANS AND LOADS SHOWN ON THESE DRAWINGS REFERENCE FENESTRATION TESTING LAB REPORTS 12858
- ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS, SPACED AS NOTED HEREIN. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
- WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.
- WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
- 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.
- PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:  
ALLEGION ACCESS TECHNOLOGIES  
FARMINGTON, CT  
SERIES 2000/3000 AUTO SLIDING GLASS DOOR  
TAS 201 / TAS 202 / TAS 203 - MISSILE LEVEL D  
NOA #23-0531.02

### SYSTEM NOTES:

- ALL ALUMINUM PARTS SHALL BE 6063-T6 ALUMINUM ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.
- GLAZING 9/16" LAMINATED IMPACT RATED OR 1-1/8" INSULATED LAMINATED RATED (SEE GLAZING DETAILS SHEET 13)
- CORNER PANEL CONSTRUCTION: PANEL CORNERS ARE BUTT JOINED, SECURED WITH FULL WIDTH 5/16" THREADED TIE RODS AT TOP RAIL, 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.
- THRESHOLDS: ALL THRESHOLDS ARE CONTINUOUS; "UNIVERSAL" TYPE WITH STANDARD CORE SECTION FOR ALL CONFIGURATIONS OF DOORS. EXTERIOR OR INTERIOR RAMPS MAY BE ADDED WITHOUT IMPACT TO PERFORMANCE OF THE OVERALL DOOR SYSTEM.
- BOTTOM RAILS: NOMINAL 4"; OPTIONAL 10". 4" AND 10" ARE ONE-PIECE EXTRUSIONS.
- MUNTINS:
  - 3000 SERIES WITH STANDARD PANIC RELEASE, REQUIRES 2" OR 4 1/4" MUNTIN.
  - MUNTIN OPTIONS WITHOUT PANIC INCLUDE, 2", 4 1/4", OR NONE.
  - 2" AND 4 1/4" EXTRUSIONS ARE ONE-PIECE.
- STILES: NARROW STILES (2", 2-1/8" & 2-5/8" WIDE) ARE BASIS FOR TESTING FOR ALL DOORS. MEDIUM STILES (3 1/2" WIDE) CONSIDERED EQUIVALENT TO OR BETTER THAN NARROW STILES.
- ALLOWED SUBSTRATES  
WOOD, G = 0.55 MIN. (TESTED SUBSTRATE)  
CONCRETE, 3 KSI MIN.  
STEEL (TESTED AT HEAD), A36 1/8" MIN. THICKNESS  
ALUMINUM, 6063-T5, 1/8" MIN. THICKNESS

### MAXIMUM ALLOWABLE DESIGN PRESSURES

WITH PANIC RELEASE LOCKING: 80 PSF  
WITH MORTISED DEADLOCK: 80 PSF

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2234 NORTH FEDERAL HWY #7664  
BOCA RATON, FL 33431  
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65 SCOTT SWAMP ROAD  
FARMINGTON, CT 06032

**ALLEGION**  
BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMI (MISSILE LEVEL D)  
MIAMI-DADE PRODUCT APPROVAL

DATE	DRWN	CHKD	RS	INIT	ISSUE
11/13/23					

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23-67901

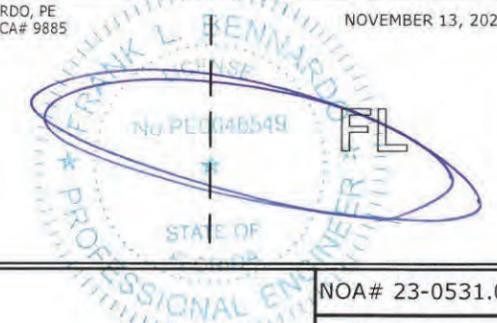
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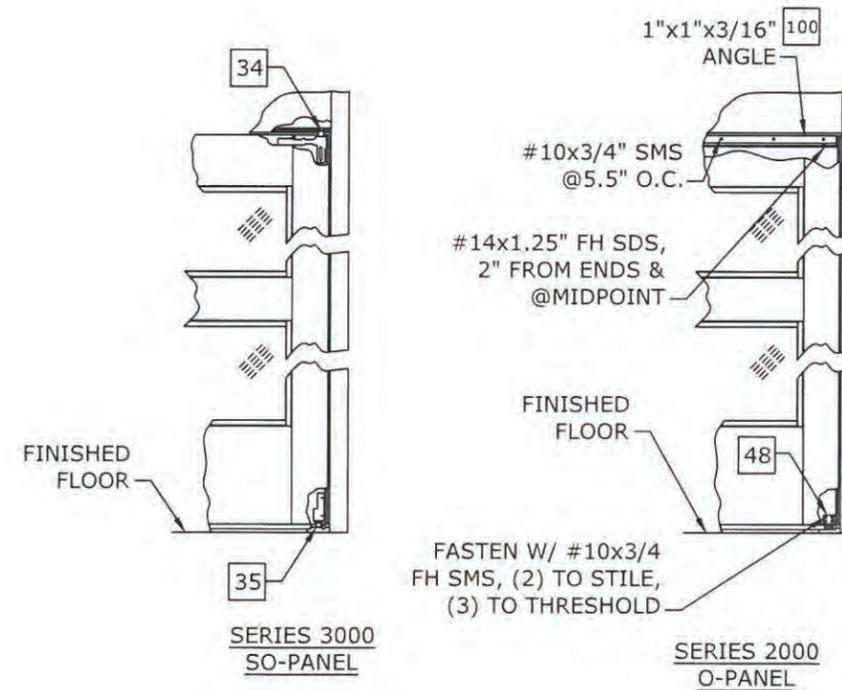
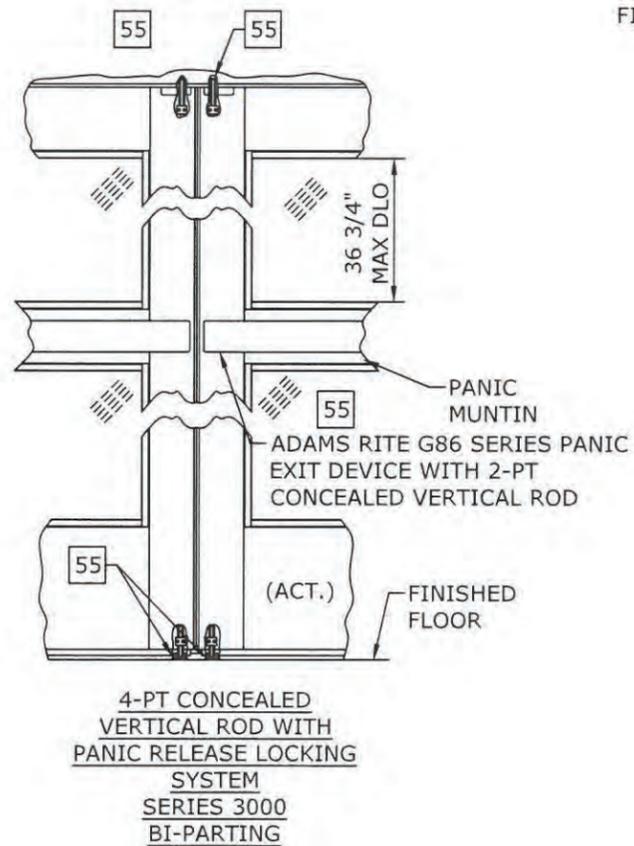
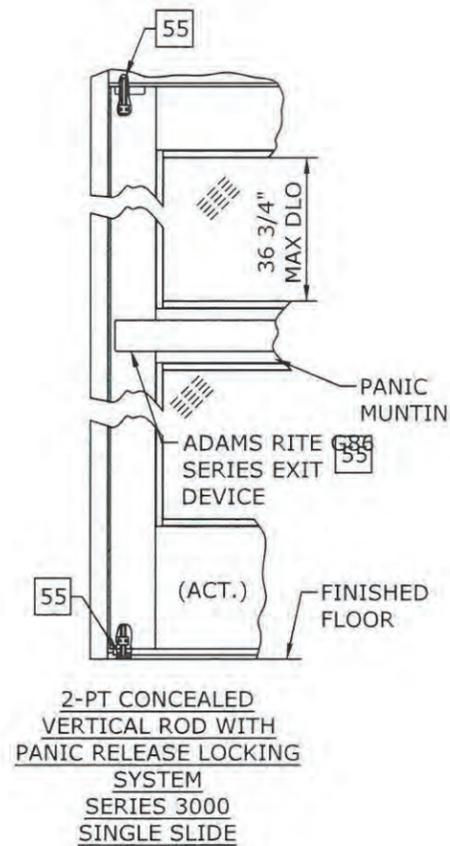
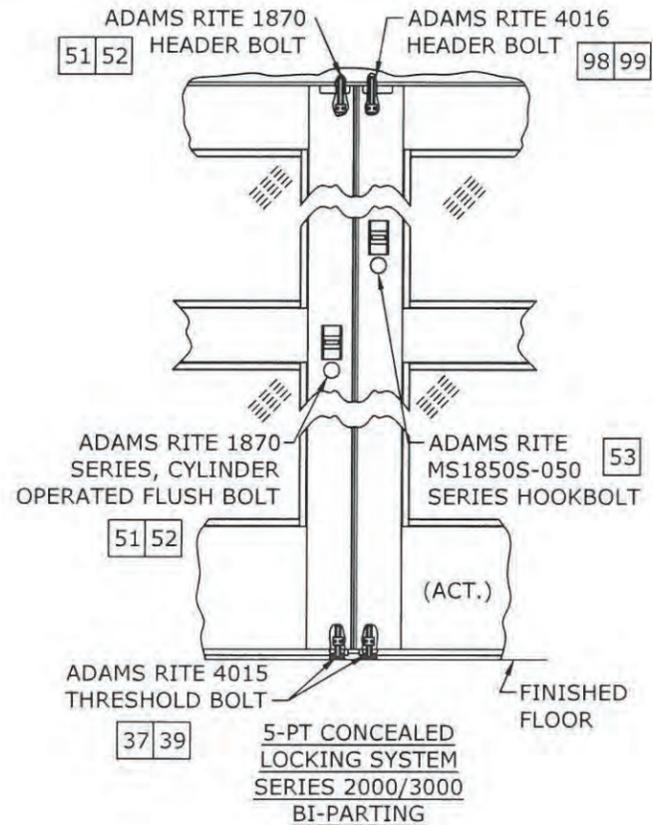
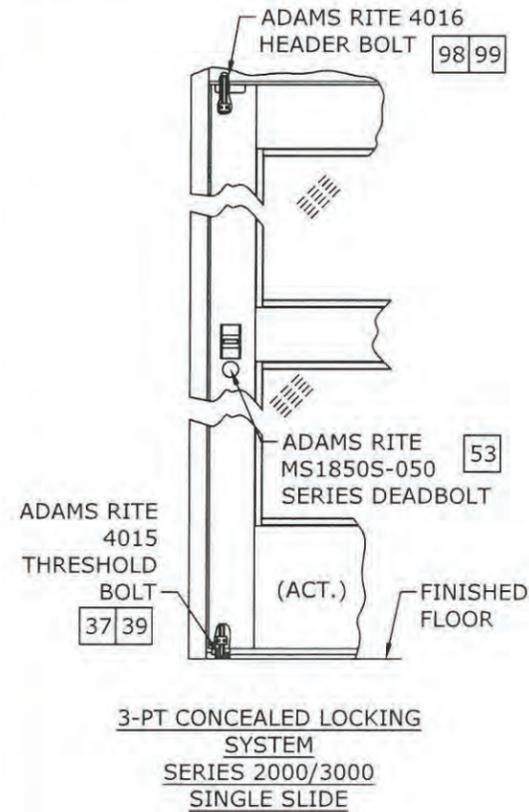
# DURA-STORM SERIES 2000/3000 LOCKING ARRANGEMENTS

**PRODUCT APPROVED**  
 as complying with the Florida  
 Building Code  
**NOA-No.** 23-0531.02  
**Approval Date** 02/22/2029  
 By   
**Miami-Dade Product Control**

FRANK BENNARDO, PE  
 PE# 0046549 CA# 9885  
 NOVEMBER 13, 2023



NOA# 23-0531.02



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**ALLEGION**  
 ALLEGION ACCESS TECHNOLOGIES, LLC  
 65 SCOTT SWAMP ROAD  
 FARMINGTON, CT 06032  
 SERIES "DURA-STORM 2000/3000"  
 BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMI (MISSILE LEVEL D)  
 MIAMI-DADE PRODUCT APPROVAL

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

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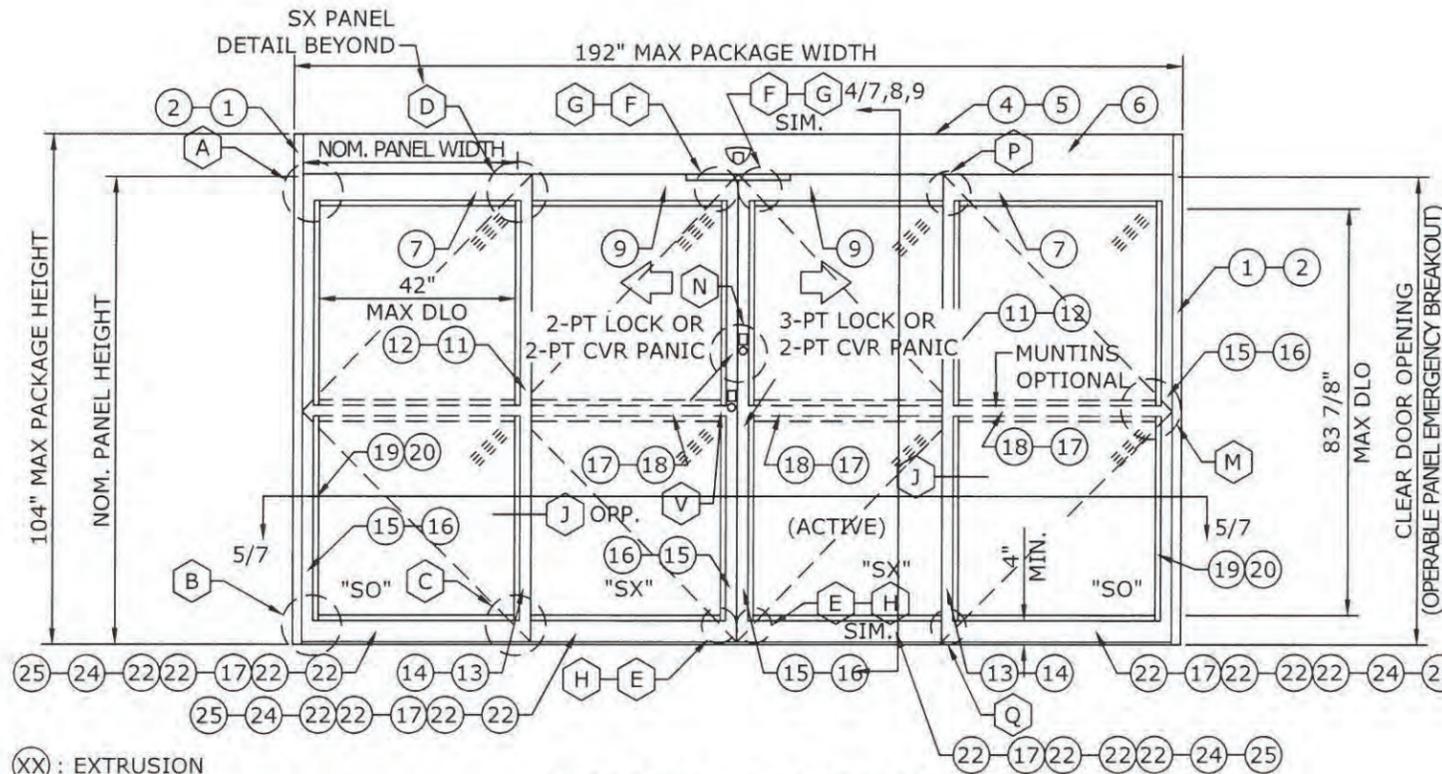
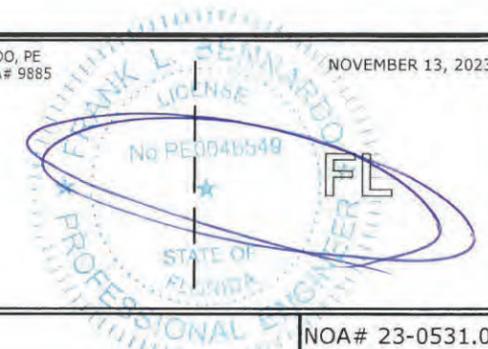


# DURA-STORM SERIES 3000 ELEVATION AND PLAN

**PRODUCT APPROVED**  
 as complying with the Florida  
 Building Code  
**NOA-No.** 23-0531.02  
**Approval Date** 02/22/2029  
 By   
**Miami-Dade Product Control**

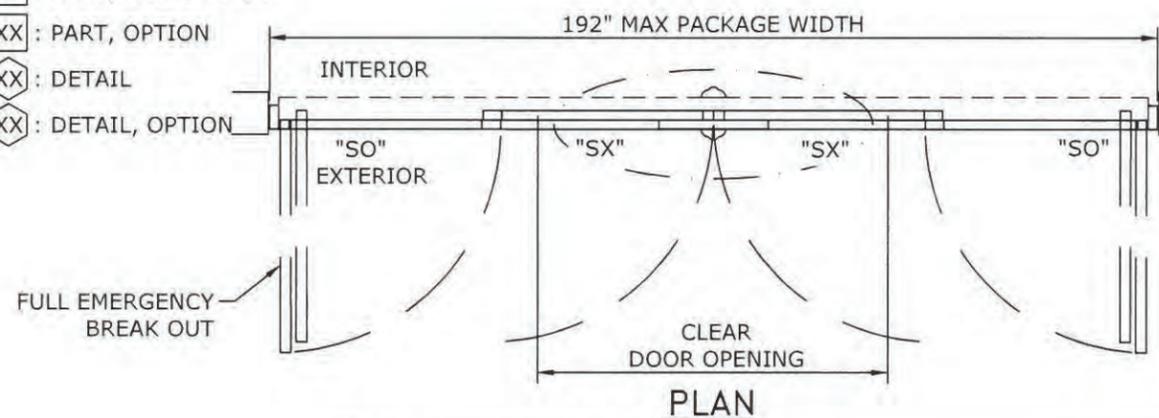
FRANK BENNARDO, PE  
 PE# 0046549 CA# 9885

NOVEMBER 13, 2023



**EXTERIOR ELEVATION**

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



**PLAN**

- NOTES:**
- TYPICAL DOOR SHOWN. RAIL OPTIONS AVAILABLE AS INDICATED. NARROW STILES ARE BASIS FOR TESTING FOR ALL DOORS. MEDIUM STILES CONSIDERED EQUIVALENT TO OR BETTER THAN NARROW STILES.
  - HORIZONTAL MUNTIN BAR REQUIRED.
  - 5-POINT LOCKING STANDARD (3-PT ACTIVE & 2-PT ACTIVE).
  - PRODUCT SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH PRODUCT APPROVALS.
  - SEE SHEETS 6 THROUGH 11 FOR REQUIRED ANCHORAGE.
  - SEE SHEET 13 FOR GLAZING DETAILS.

DESIGN RATINGS		
MISSILE IMPACT RATING		
<input checked="" type="checkbox"/>	LARGE MISSILE IMPACT	
DESIGN PRESSURE RATING (PSF[Pa])		
	WHERE WATER INFILTRATION RATING IS REQUIRED	WHERE WATER INFILTRATION RATING IS NOT REQUIRED
POSITIVE	NOT APPROVED	+80 PSF
NEGATIVE	NOT APPROVED	-80 PSF

SERIES 3000 BI-PART AVAILABLE PACKAGE WIDTH INFORMATION						
PACKAGE WIDTH	ROUGH OPENING	STILE TYPE	NOMINAL CLEAR DOOR OPENING	NOMINAL PANEL WIDTH (SX)	NOMINAL PANEL WIDTH (SO)	CAULKING ALLOWANCE
192.0"	192.5"	NARROW	82.7"	48.5"	48.1"	1/4" / SIDE
192.0"	192.5"	MEDIUM	78.3"	49.4"	49.4"	1/4" / SIDE

SERIES 3000 BI-PART AVAILABLE PACKAGE HEIGHT INFORMATION			
PACKAGE HEIGHT	ROUGH OPENING	NOMINAL CLEAR DOOR OPENING	CAULKING ALLOWANCE
104.0"	104.5"	94.5"	1/2" TOP

NOTE: MAX DLO FOR ALL BI-PART SX, SO & O = 41.4"

NOA# 23-0531.02

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ALLEGION ACCESS TECHNOLOGIES, LLC  
 65 SCOTT SWAMP ROAD  
 FARMINGTON, CT 06032



SERIES "DURA-STORM 2000/3000"  
 BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMT (MISSILE LEVEL D)  
 MIAMI-DADE PRODUCT APPROVAL

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

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23-67901

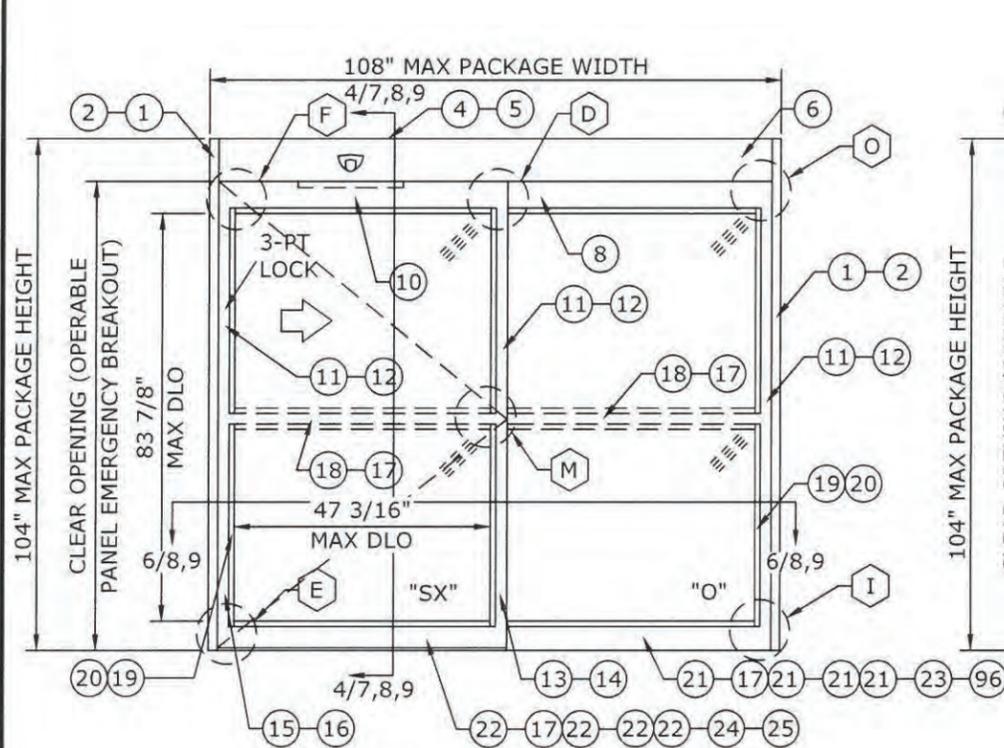
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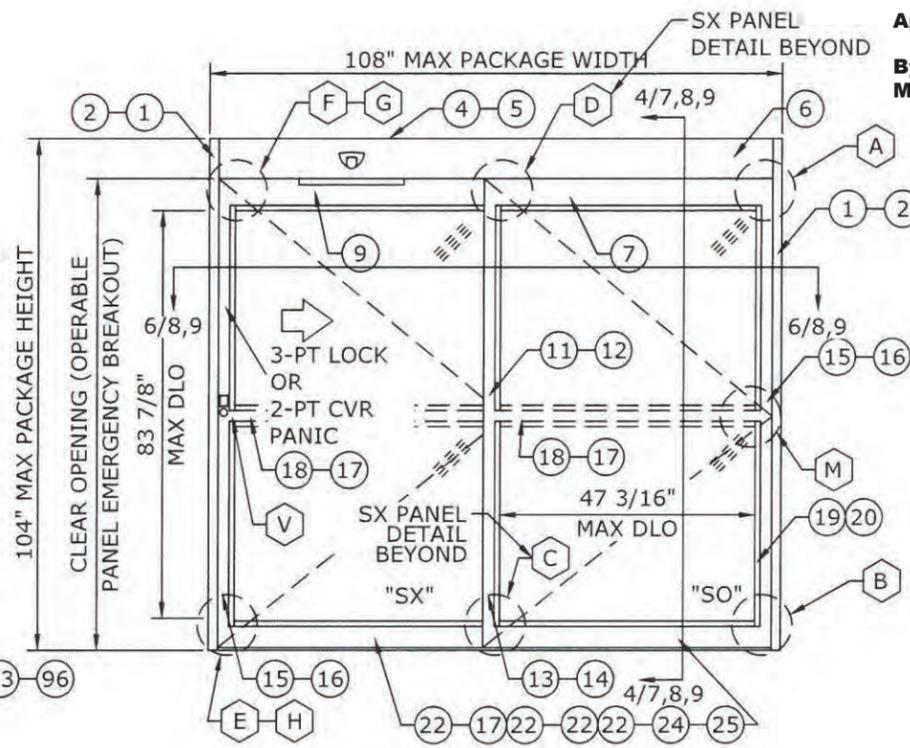
# DURA-STORM SERIES 2000/3000 ELEVATION AND PLAN

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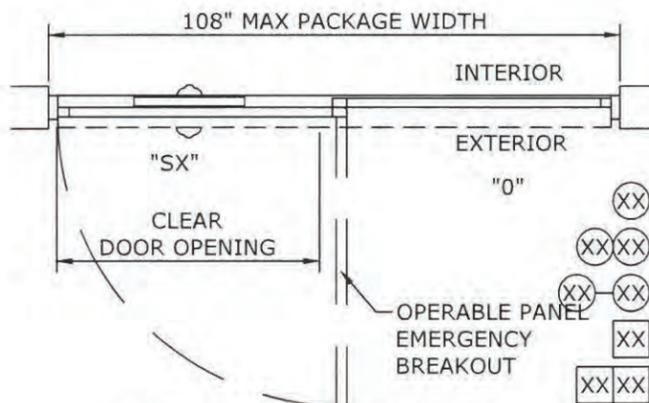
FRANK BENNARDO, PE  
 PE# 0046549 CA# 9885  
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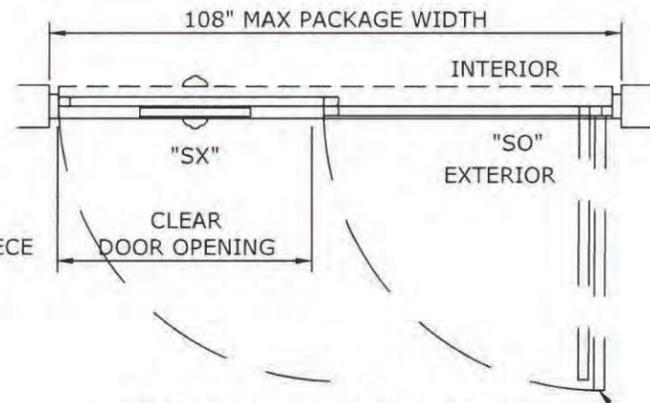
SERIES 2000 (SX-O) SINGLE SLIDE  
 EXTERIOR ELEVATION



SERIES 3000 (SX-SO) SINGLE SLIDE  
 EXTERIOR ELEVATION



SERIES 2000 (SX-O) SINGLE SLIDE  
 PLAN



SERIES 3000 (SX-SO) SINGLE SLIDE  
 PLAN

- 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. RAIL OPTIONS AVAILABLE AS INDICATED. NARROW STILES ARE BASIS FOR TESTING FOR ALL DOORS. MEDIUM STILES CONSIDERED EQUIVALENT TO OR BETTER THAN NARROW STILES.
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  - SEE SHEET 13 FOR GLAZING DETAILS.

DESIGN RATINGS		
MISSILE IMPACT RATING		
<input checked="" type="checkbox"/>	LARGE MISSILE IMPACT	
DESIGN PRESSURE RATING (PSF[Pa])		
	WHERE WATER INFILTRATION RATING IS REQUIRED	WHERE WATER INFILTRATION RATING IS NOT REQUIRED
POSITIVE	NOT APPROVED	+80 PSF
NEGATIVE	NOT APPROVED	-80 PSF

SERIES 2000 AND 3000 SINGLE SLIDE AVAILABLE PACKAGE WIDTH INFORMATION						
PACKAGE WIDTH	ROUGH OPENING	STILE TYPE	NOMINAL CLEAR DOOR OPENING	NOMINAL PANEL WIDTH (SX)	NOMINAL PANEL WIDTH (SO)	CAULKING ALLOWANCE
108.0"	108.5"	NARROW	46.5"	53.6"	53.3"	1/4" / SIDE
108.0"	108.5"	MEDIUM	44.3"	54.5"	54.5"	1/4" / SIDE

SERIES 2000 AND 3000 SINGLE SLIDE AVAILABLE PACKAGE HEIGHT INFORMATION			
PACKAGE HEIGHT	ROUGH OPENING	NOMINAL CLEAR DOOR OPENING	CAULKING ALLOWANCE
104.0"	104.5"	94.5"	1/2" TOP

NOTE: MAX DLO FOR ALL BI-PART SX, SO & O = 46.5"

NOA# 23-0531.02

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ALLEGION ACCESS TECHNOLOGIES, LLC  
 65 SCOTT SWAMP ROAD  
 FARMINGTON, CT 06032

**ALLEGION**  
 SERIES "DURA-STORM 2000/3000"  
 BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMT (MISSILE LEVEL D)  
 MIAMI-DADE PRODUCT APPROVAL

DRWN	CHKD	DATE
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REMARKS  
 INIT ISSUE

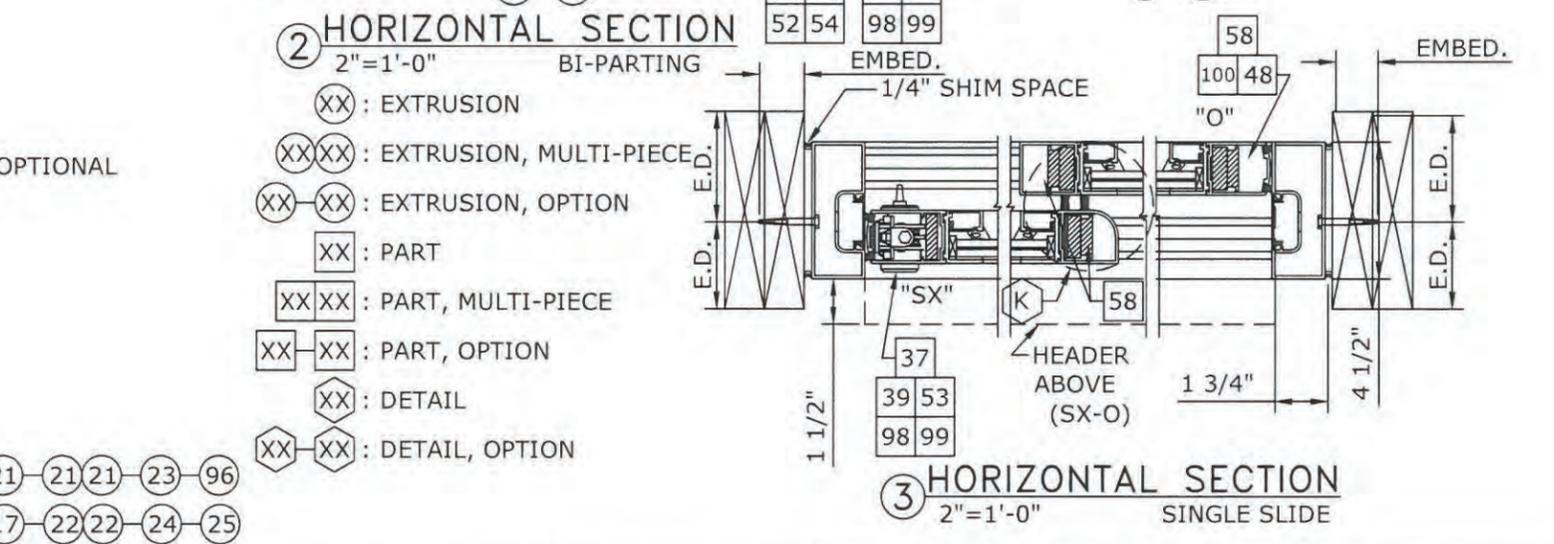
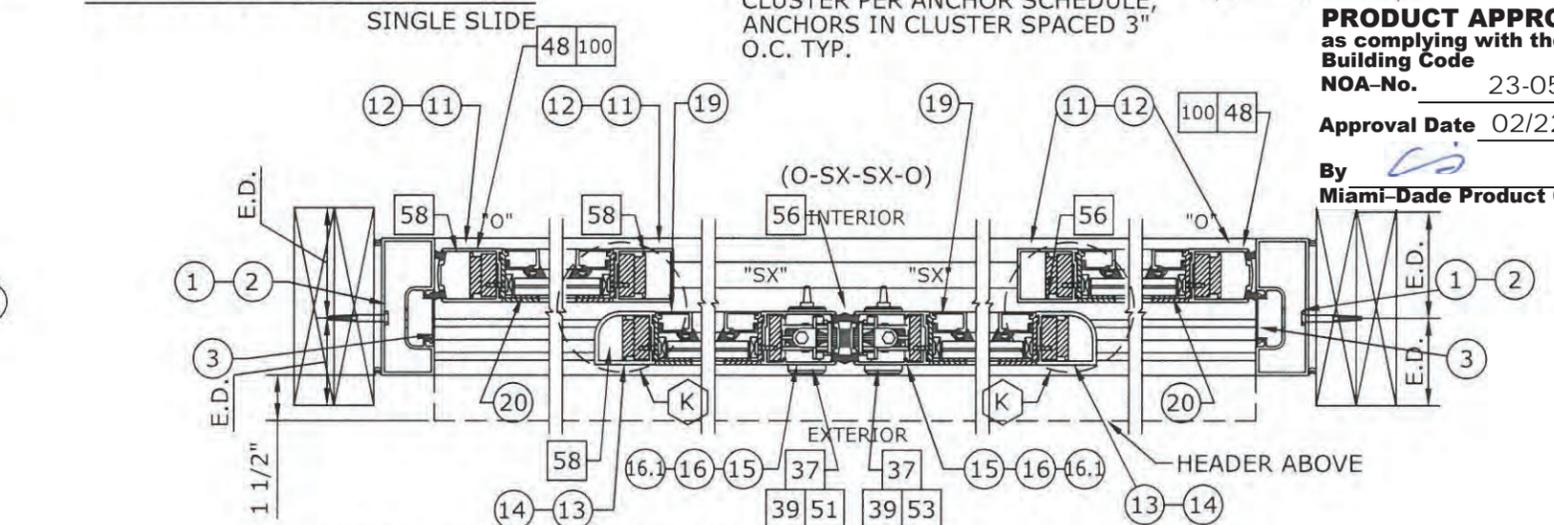
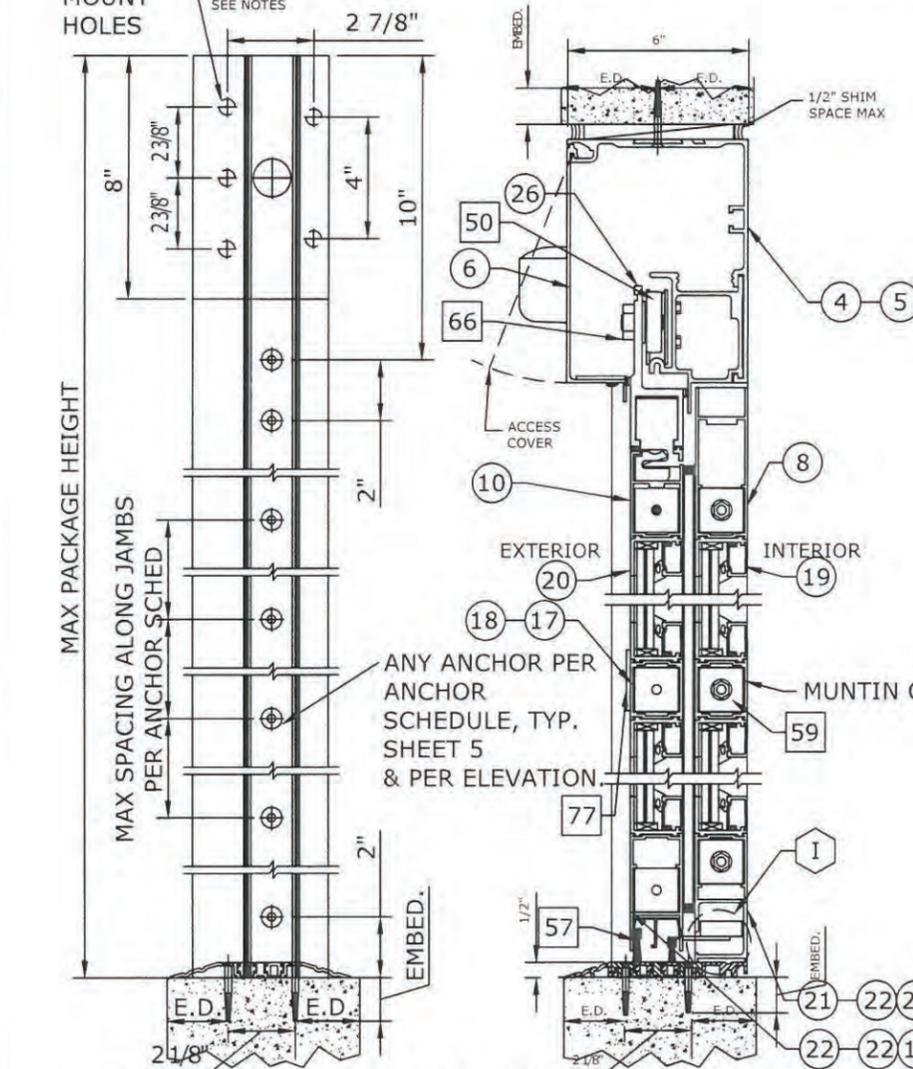
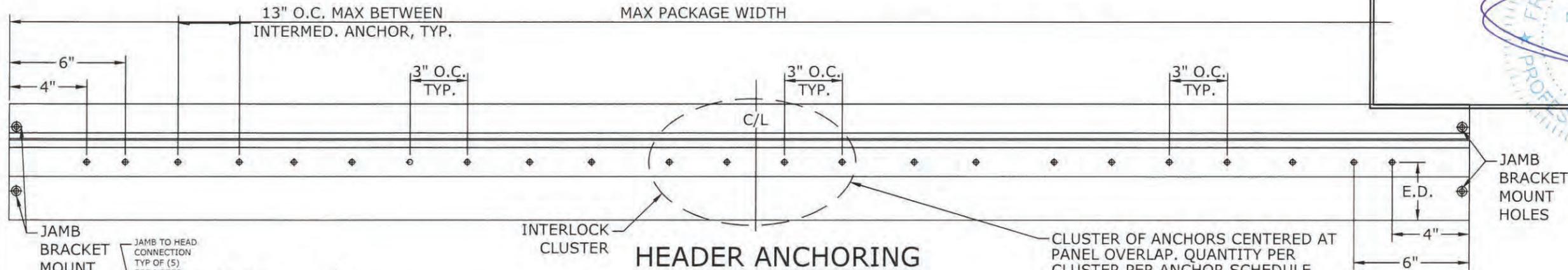
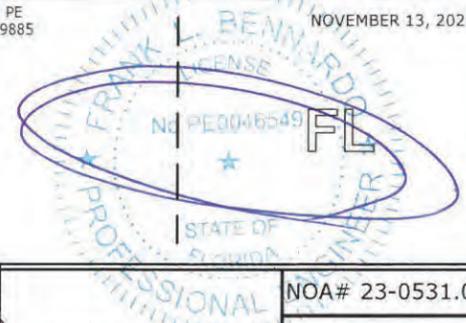
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23-67901  
 SCALE: NTS UNLESS NOTED  
 05 OF 17

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

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

NOVEMBER 13, 2023



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

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NOA-No. 23-0531.02  
Approval Date 02/22/2029  
By Miami-Dade Product Control

NOA# 23-0531.02

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ALLEGION ACCESS TECHNOLOGIES, LLC  
65 SCOTT SWAMP ROAD  
FARMINGTON, CT 06032

**ALLEGION**  
SERIES "DURA-STORM 2000/3000"  
BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMI (MISSILE LEVEL D)  
MIAMI-DADE PRODUCT APPROVAL

DRWN	CHKD	DATE
SO	RS	11/13/23

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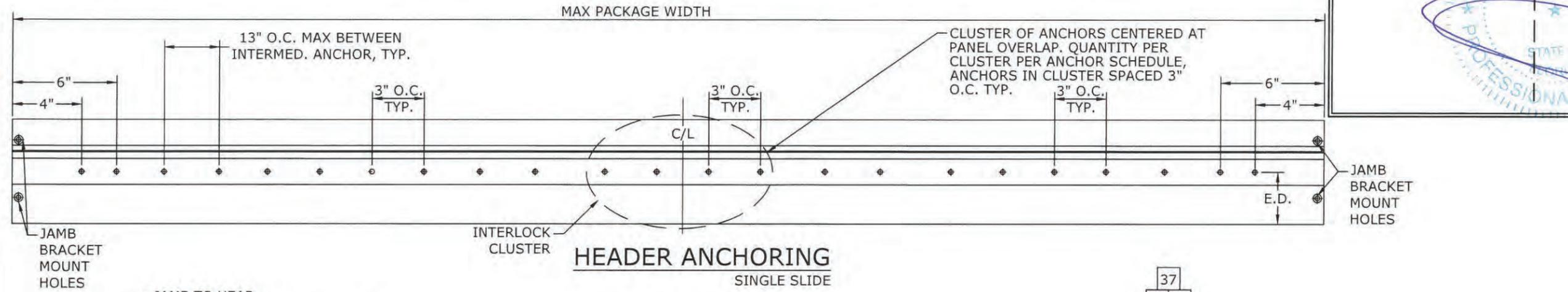
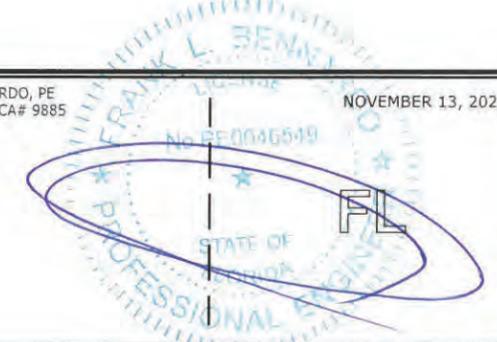
- NOTES:**
- SEE THRESHOLD ANCHORS SHEET 11. APPLICABLE TO 3 KSI CONCRETE ONLY.
  - JAMB TO HEAD CONNECTION FASTENERS; 5/16-18 HHMS WITH WASHER.
  - DEWALT ULTRAICON+ IS A DIRECT REPLACEMENT FOR POWERS TAPPER+

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 3+	1-1/2"	3"	4	6	13" O.C. MAX	17-5/8" O.C. MAX
1/8" MIN. A36 STEEL	1/4-20 SAE GR. 5 SMS OR #14 SAE GR. 5	FULL THREAD ENGAGEMENT	1/2"	4	N/A	13" O.C. MAX	17-5/8" O.C. MAX
G=0.55 MIN. WOOD	#14 SMS SCREW	1-1/2"	3/4"	4	N/A	13" O.C. MAX	17-5/8" O.C. MAX
0.125" MIN. 6063-T5 ALUM.	#14 SAE GR. 5 SDS	FULL THREAD ENGAGEMENT	1/2"	4	N/A	13" O.C. MAX	17-5/8" O.C. MAX

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

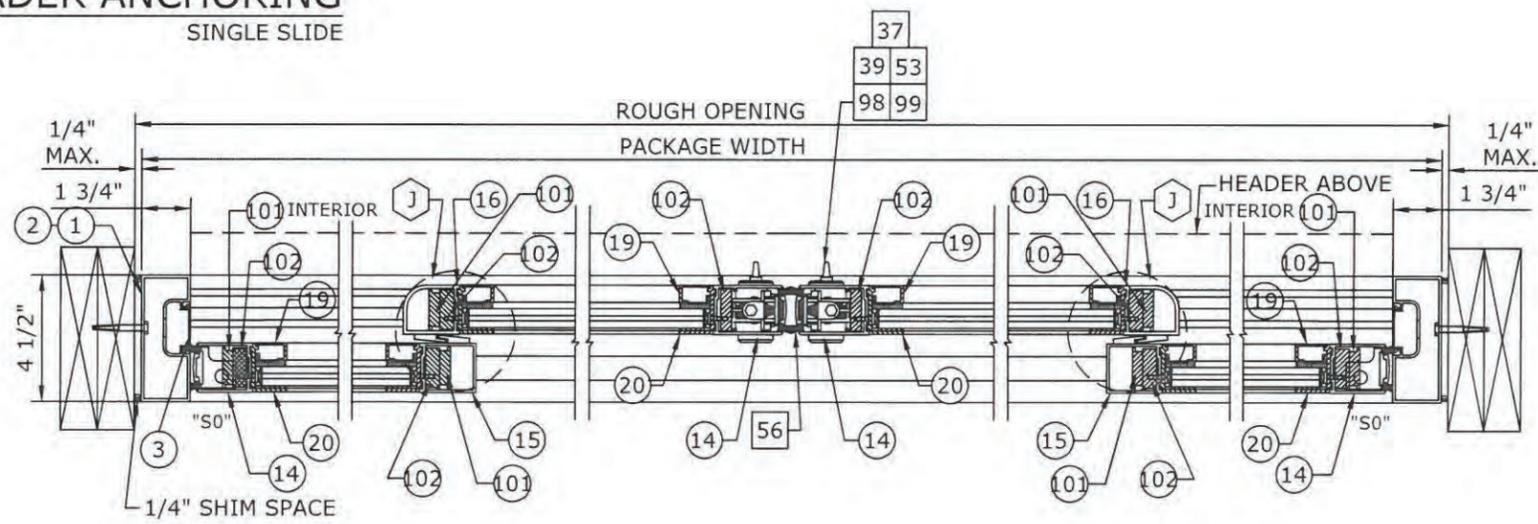
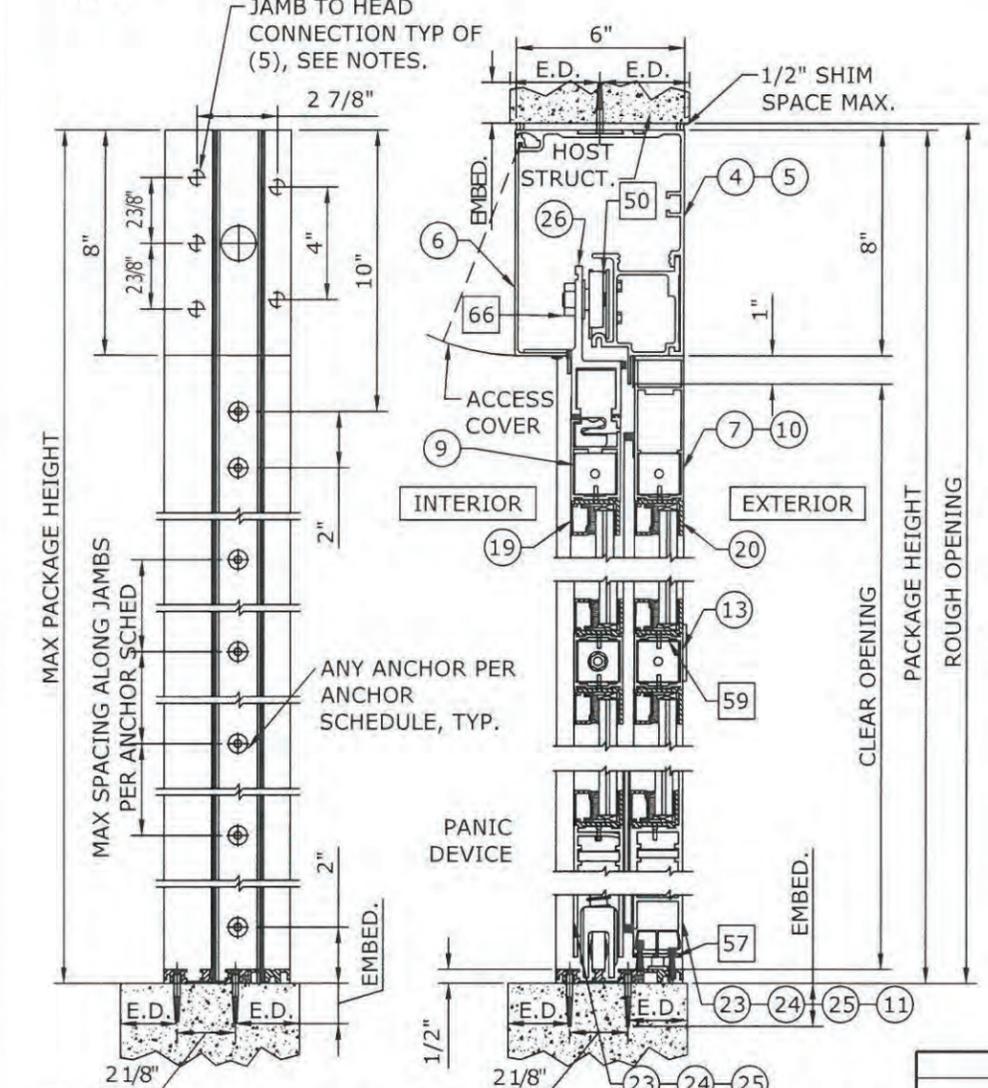
FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

NOVEMBER 13, 2023



NOA# 23-0531.02

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

**PRODUCT APPROVED**  
as complying with the Florida Building Code  
NOA-No. 23-0531.02  
Approval Date 02/22/2029  
By *[Signature]*  
Miami-Dade Product Control

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

- NOTES:**
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  - JAMB TO HEAD CONNECTION FASTENERS; 5/16-18 HHMS WITH WASHER.
  - DEWALT ULTRACON+ IS A DIRECT REPLACEMENT FOR POWERS TAPPER+

**FRAME ANCHORING**  
N.T.S.

**4 VERTICAL SECTION**  
2"=1'-0"

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 3*	1-1/2"	3"	4	6	13" O.C. MAX	17-5/8" O.C. MAX
1/8" MIN. A36 STEEL	1/4-20 SAE GR. 5 SMS OR #14 SAE GR. 5	FULL THREAD ENGAGEMENT	1/2"	4	N/A	13" O.C. MAX	17-5/8" O.C. MAX
G=0.55 MIN. WOOD	#14 SMS SCREW	1.5"	3/4"	4	N/A	13" O.C. MAX	17-5/8" O.C. MAX
0.125" MIN. 6063-T5 ALUM.	#14 SAE GR. 5 SDS	FULL THREAD ENGAGEMENT	1/2"	4	N/A	13" O.C. MAX	17-5/8" O.C. MAX

ALLEGION ACCESS TECHNOLOGIES, LLC  
65 SCOTT SWAMP ROAD  
FARMINGTON, CT 06032  
SERIES "DURA-STORM 2000/3000"  
BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMI (MISSILE LEVEL D)  
MIAMI-DADE PRODUCT APPROVAL

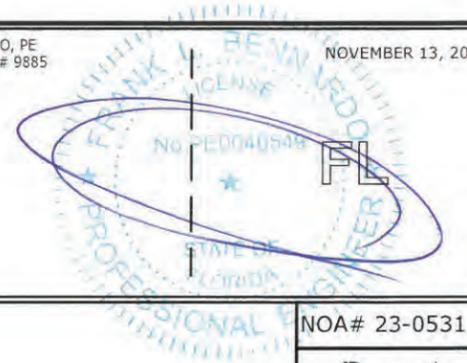
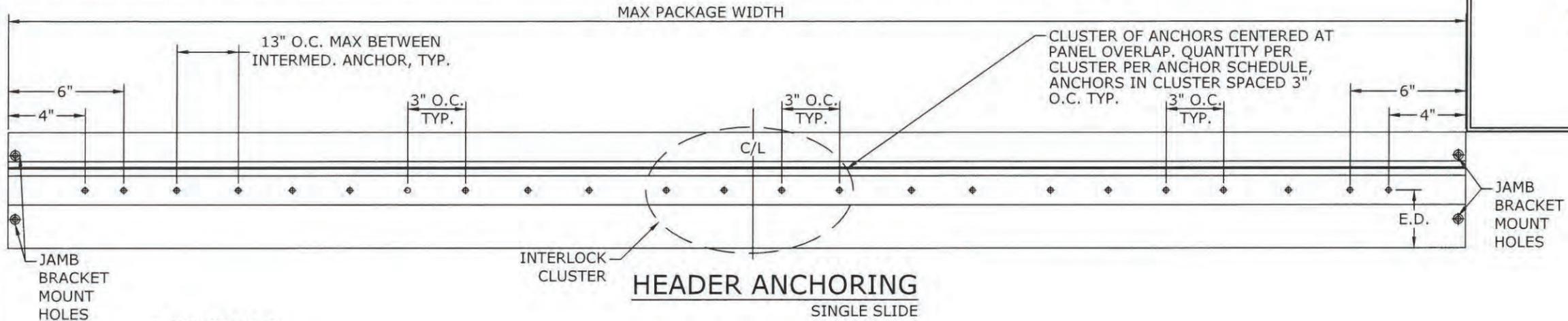
DATE	DRWN	CHKD	RS	SO	ISSUE	REMARKS
11/13/23						

23-67901  
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# DURA-STORM SERIES 3000 SECTIONS & ANCHORING, STANDARD 5-PT LOCKS

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

NOVEMBER 13, 2023



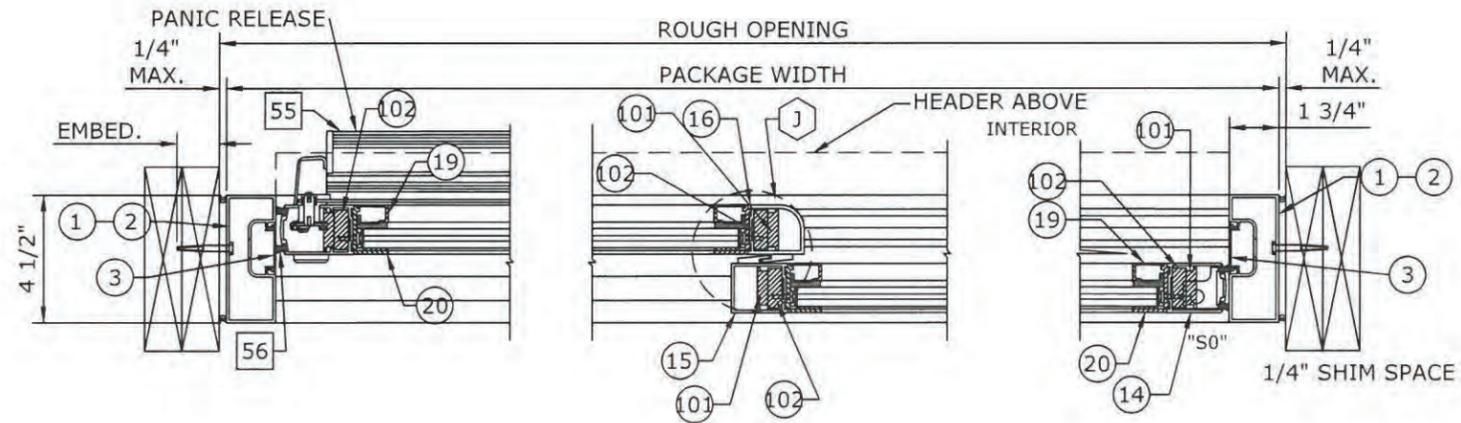
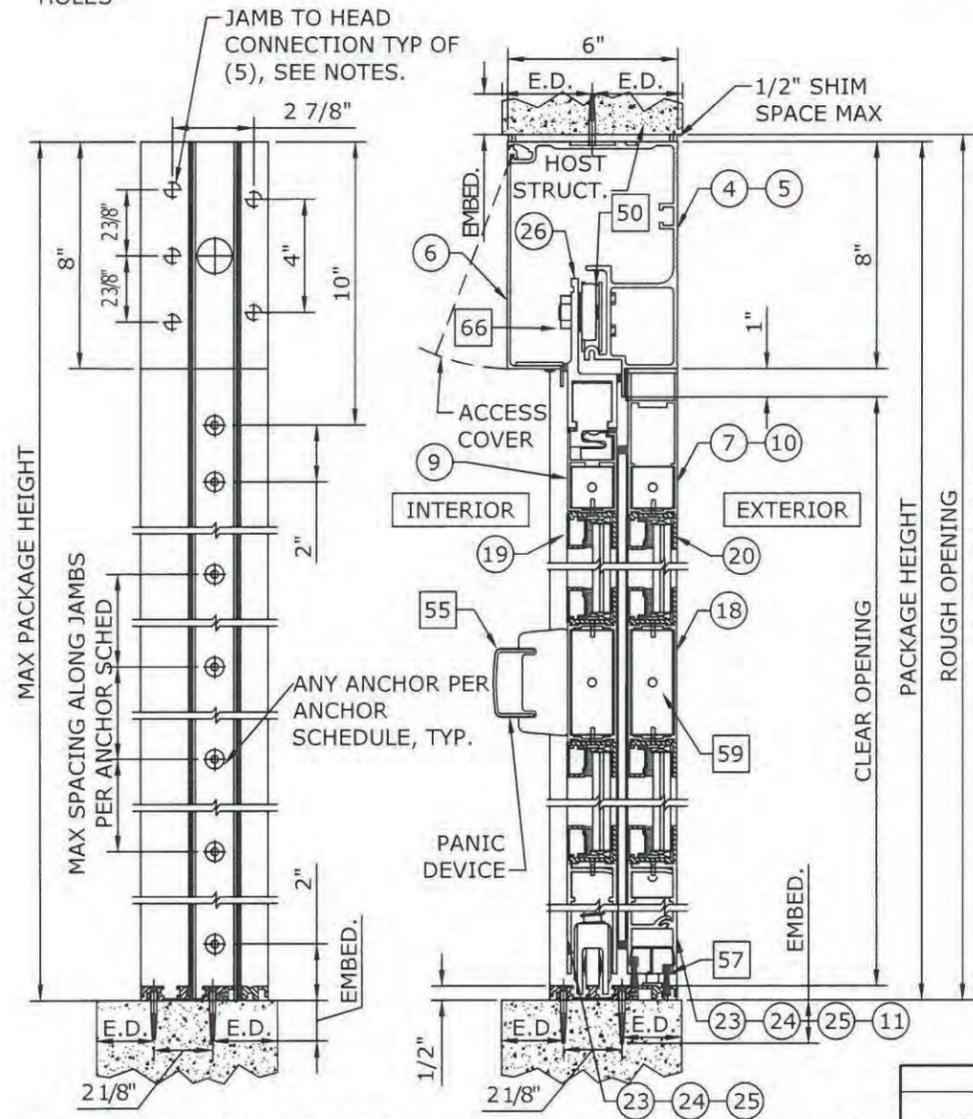
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ALLEGION ACCESS TECHNOLOGIES, LLC

65 SCOTT SWAMP ROAD  
FARMINGTON, CT 06032

ALLEGION  
SERIES "DURA-STORM 2000/3000"  
BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMI (MISSILE LEVEL D)  
MIAMI-DADE PRODUCT APPROVAL



6 HORIZONTAL SECTION  
2"=1'-0" SINGLE SLIDE

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By *[Signature]*  
Miami-Dade Product Control

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

- NOTES:
- SEE THRESHOLD ANCHORS SHEET 11. APPLICABLE TO 3 KSI CONCRETE ONLY.
  - JAMB TO HEAD CONNECTION FASTENERS; 5/16-18 HHMS WITH WASHER.
  - DEWALT ULTRACON+ IS A DIRECT REPLACEMENT FOR POWERS TAPPER+

FRAME ANCHORING  
N.T.S.

4 VERTICAL SECTION  
2"=1'-0"

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 3*	1-1/2"	3"	4	6	13" O.C. MAX	17-5/8" O.C. MAX
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G=0.55 MIN. WOOD	#14 SMS SCREW	1-1/2"	3/4"	4	N/A	13" O.C. MAX	17-5/8" O.C. MAX
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DATE	DRWN	CHKD	RS	SO	REMARKS
11/13/23					

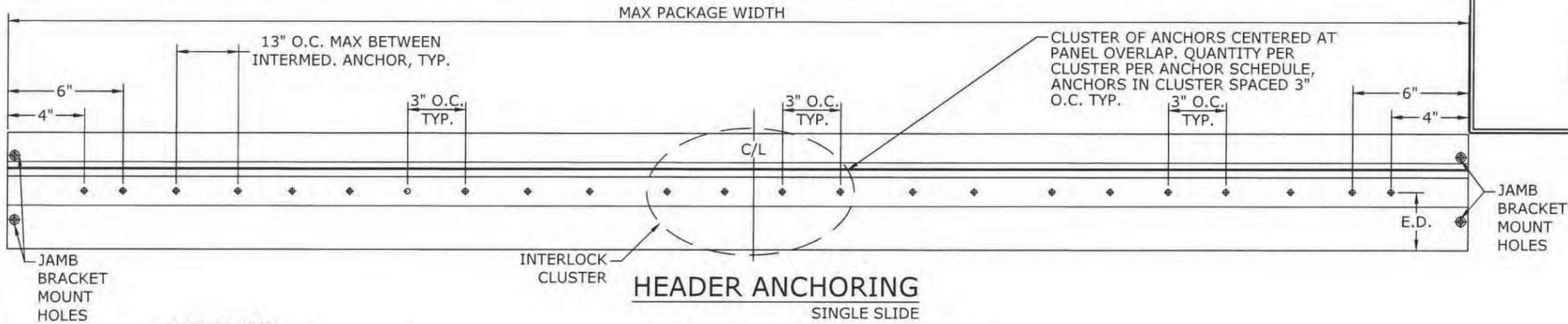
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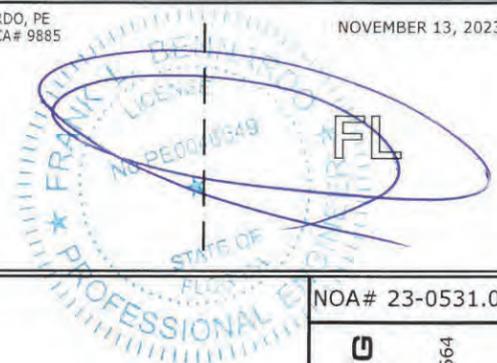
# DURA-STORM SERIES 3000 SECTIONS & ANCHORING, STANDARD 5-PT LOCKS

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

NOVEMBER 13, 2023

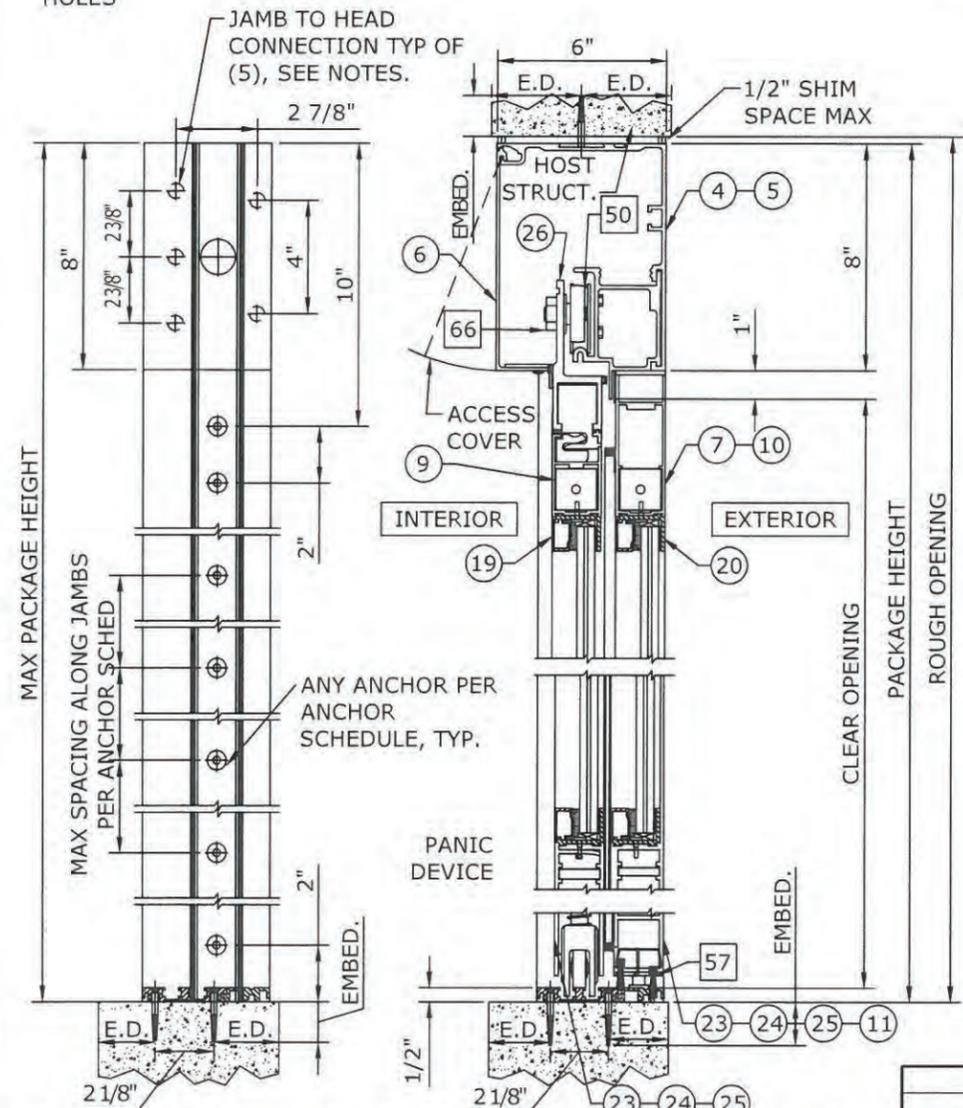


**HEADER ANCHORING**  
SINGLE SLIDE

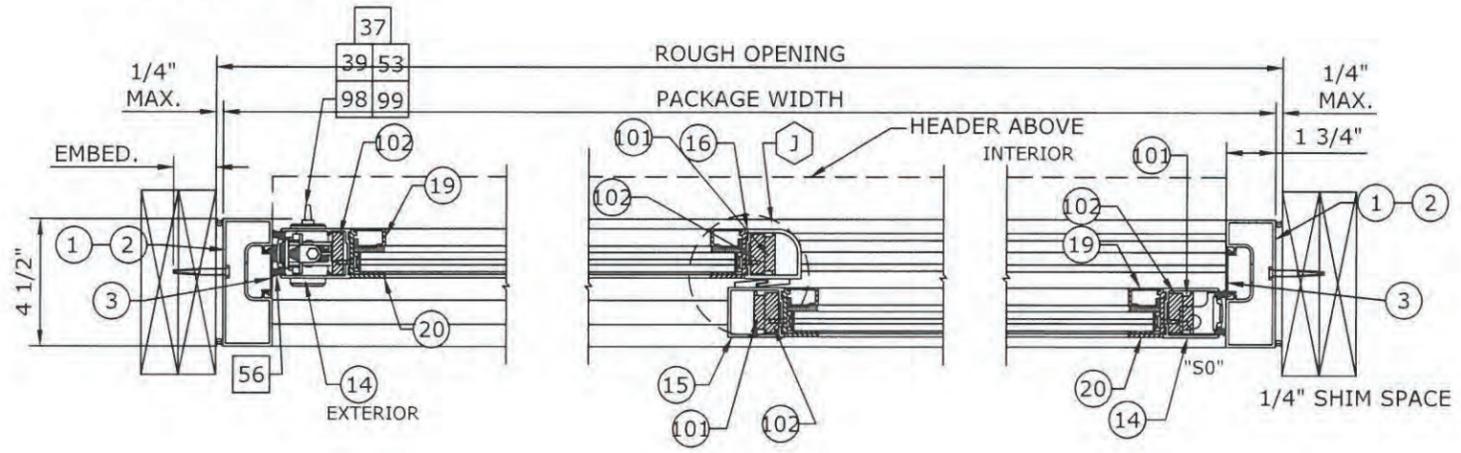


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**VERTICAL SECTION**  
④ 2"=1'-0"



**HORIZONTAL SECTION**  
⑥ 2"=1'-0" SINGLE SLIDE

- XX : EXTRUSION
- XXXX : EXTRUSION, MULTI-PIECE
- XX-XX : EXTRUSION, OPTION
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- XXXX : PART, MULTI-PIECE
- XX-XX : PART, OPTION
- XX : DETAIL
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**ANCHOR SCHEDULE**

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
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**FRAME ANCHORING**  
N.T.S.

ALLEGION ACCESS TECHNOLOGIES, LLC  
65 SCOTT SWAMP ROAD  
FARMINGTON, CT 06032



SERIES "DURA-STORM 2000/3000"  
BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMT (MISSILE LEVEL D)  
MIAMI-DADE PRODUCT APPROVAL

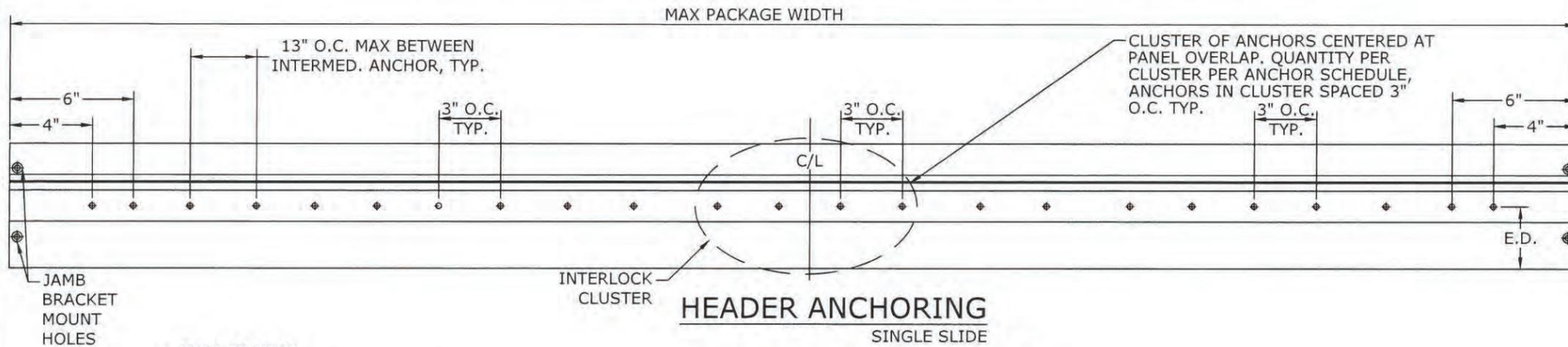
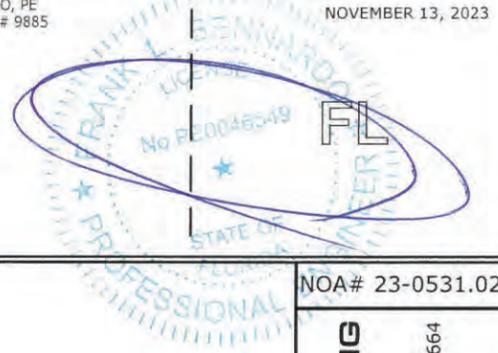
DRWN	CHKD	DATE
SO	RS	11/13/23

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SCALE: NTS UNLESS NOTED

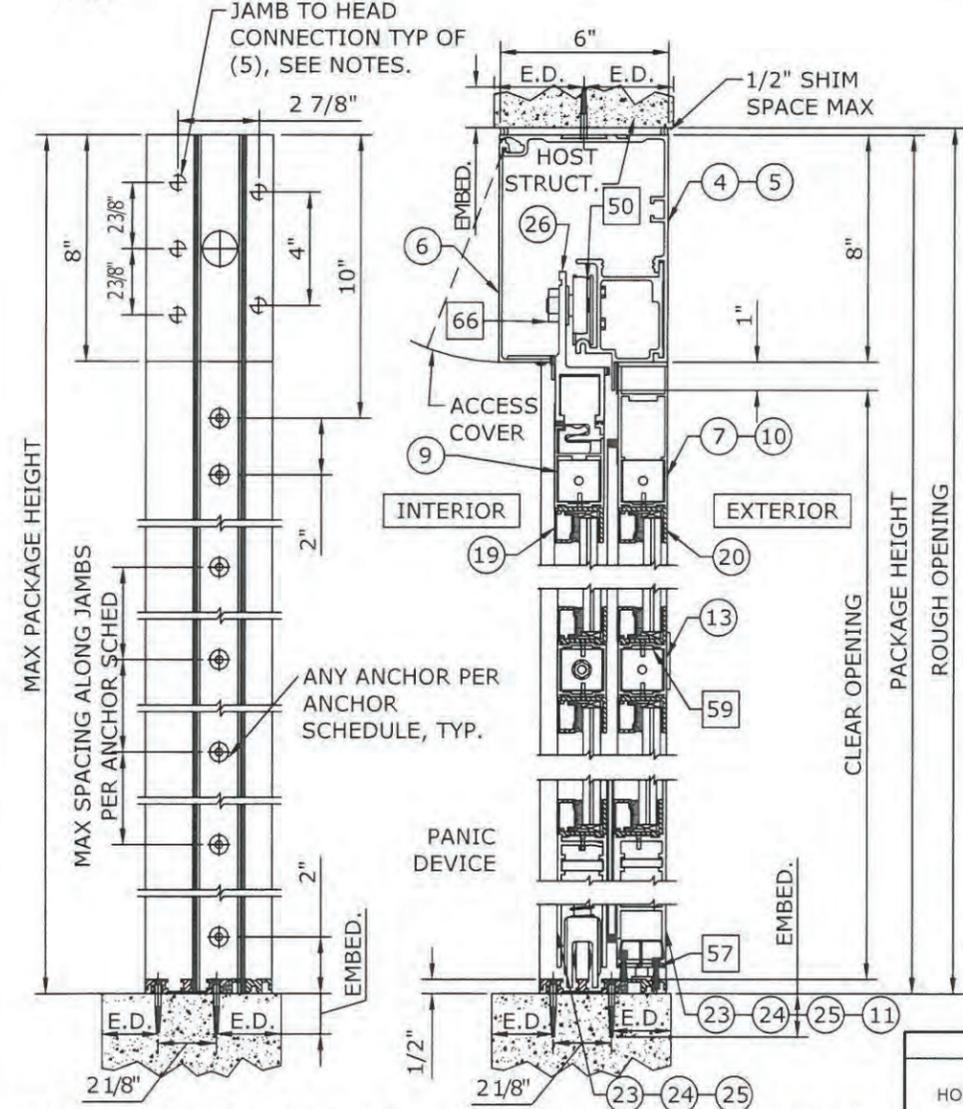
# DURA-STORM SERIES 3000 SECTIONS & ANCHORING, STANDARD 5-PT LOCKS

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

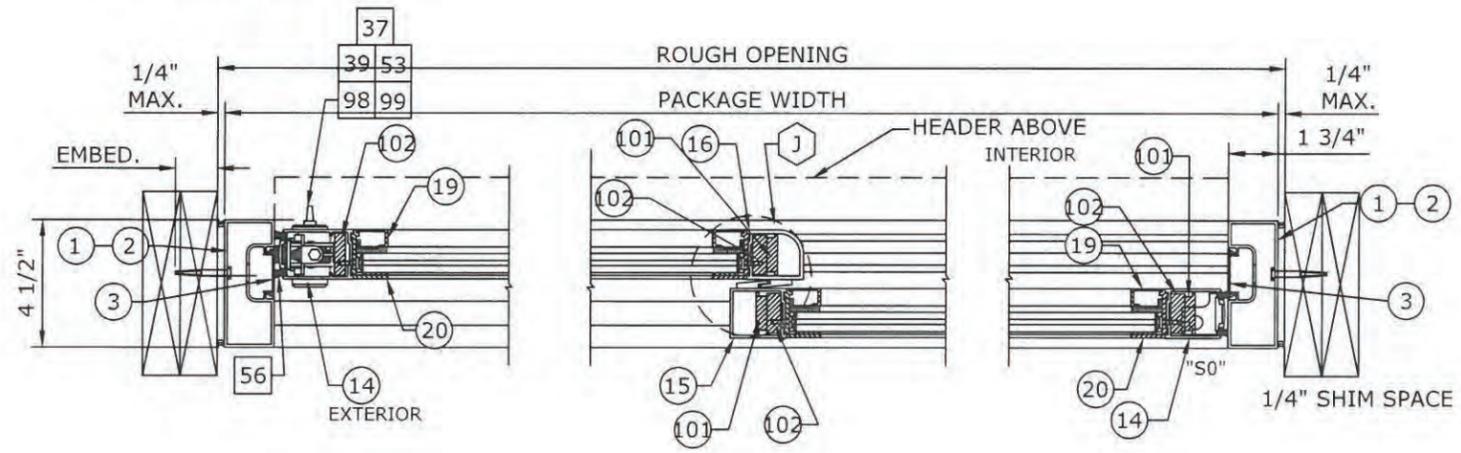
NOVEMBER 13, 2023



**HEADER ANCHORING**  
SINGLE SLIDE



**FRAME ANCHORING**  
N.T.S. **4 VERTICAL SECTION**  
2" = 1'-0"



**6 HORIZONTAL SECTION**  
2" = 1'-0" SINGLE SLIDE

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- XXXX : EXTRUSION, MULTI-PIECE
- XX-XX : EXTRUSION, OPTION
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- XXXX : PART, MULTI-PIECE
- XX-XX : PART, OPTION
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FARMINGTON, CT 06032

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SERIES "DURA-STORM 2000/3000"  
BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMI (MISSILE LEVEL D)  
MIAMI-DADE PRODUCT APPROVAL

**PRODUCT APPROVED**  
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By *[Signature]*  
Miami-Dade Product Control

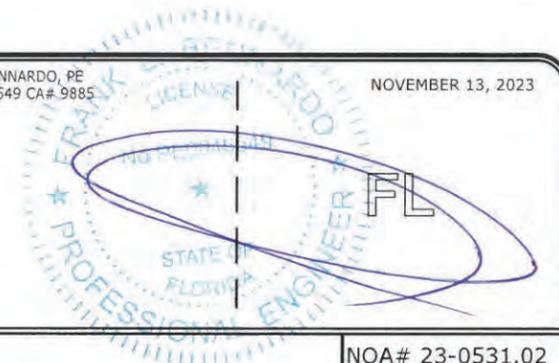
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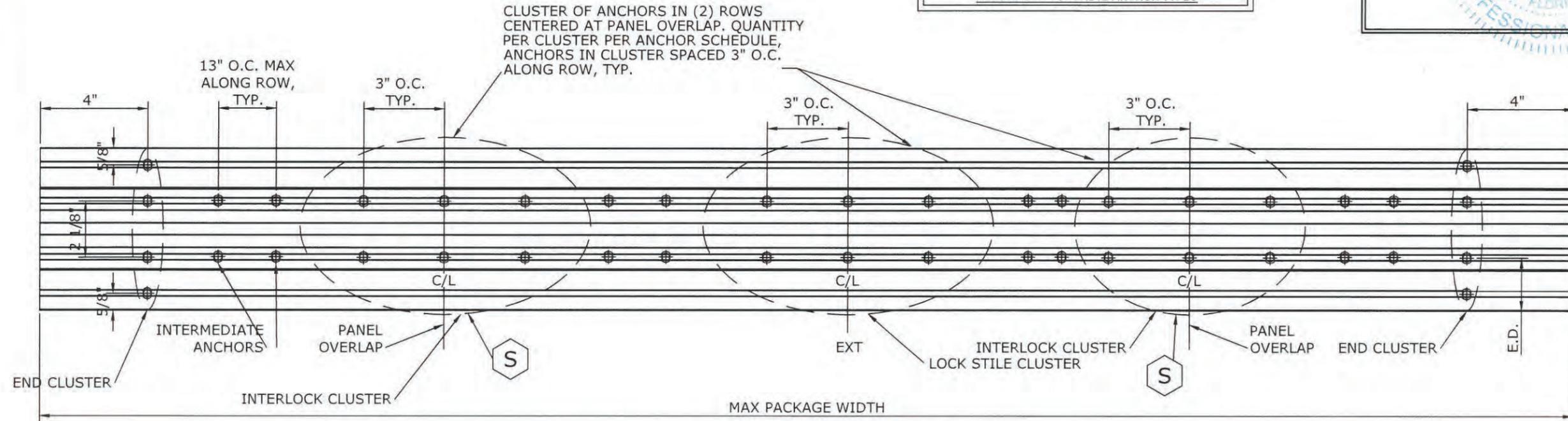
# DURA-STORM SERIES 2000/3000 THRESHOLDS & ANCHORING

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

NOVEMBER 13, 2023

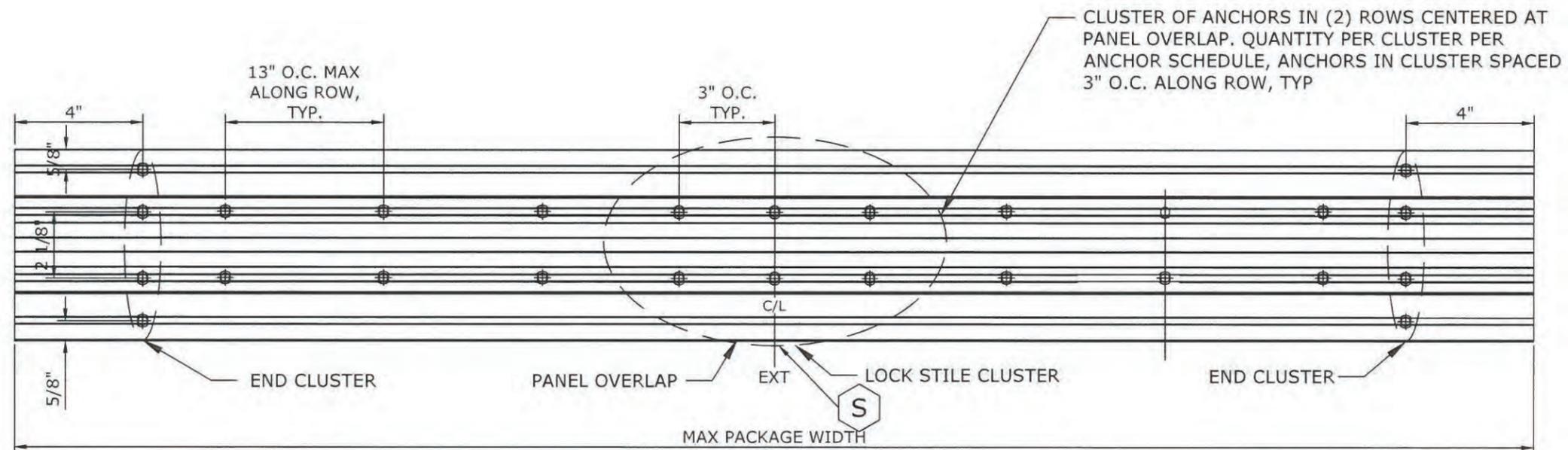


**NOTE: USE CONCRETE ANCHOR PER ANCHOR SCHEDULE FOR ALL THRESHOLD ANCHORAGE DETAILS SHOWN HEREIN. SEE SHEETS 5 - 7 FOR ANCHOR SCHEDULE AND ALLOWABLE CONCRETE ANCHOR TYPES**



## THRESHOLD ANCHORING

N.T.S. (APPLICABLE TO 3KSI CONCRETE ONLY)



## THRESHOLD ANCHORING

N.T.S. (APPLICABLE TO 3KSI CONCRETE ONLY)

NOA# 23-0531.02

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BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMT (MISSILE LEVEL D)  
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DRWN	CHKD	DATE
SQ	RS	11/13/23

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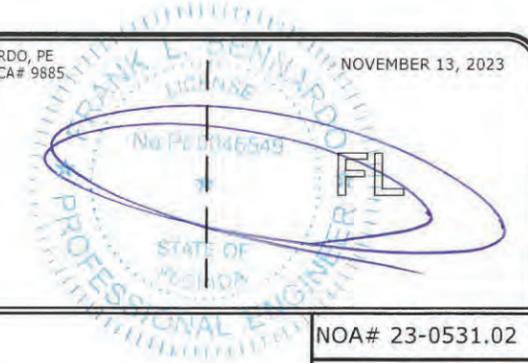
11 OF 17

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# DURA-STORM SERIES 2000/3000 THRESHOLDS & ANCHORING

FRANK BENNARDO, PE  
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RS		11/13/23
SO		

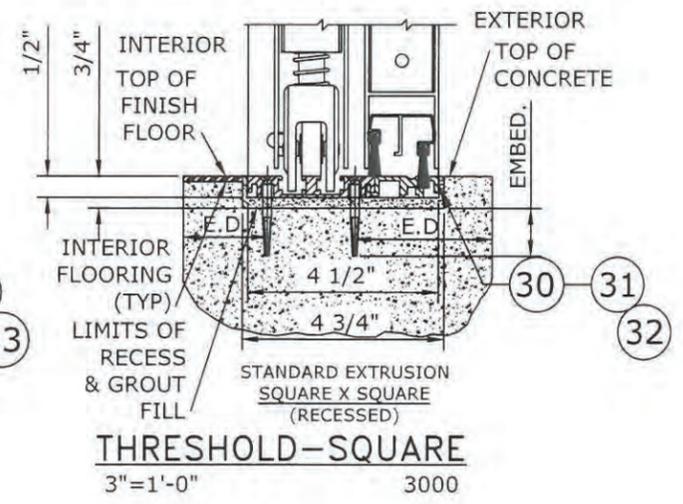
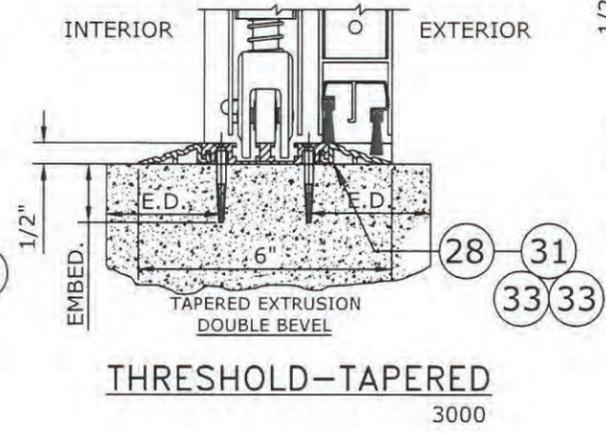
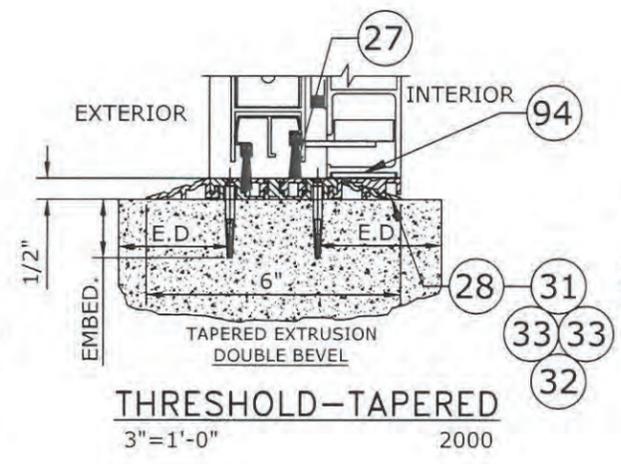
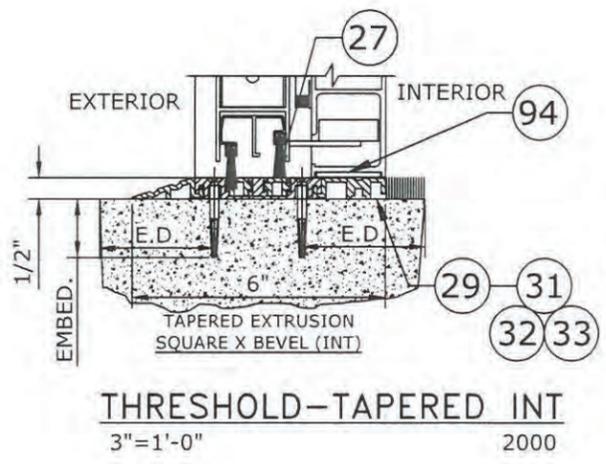
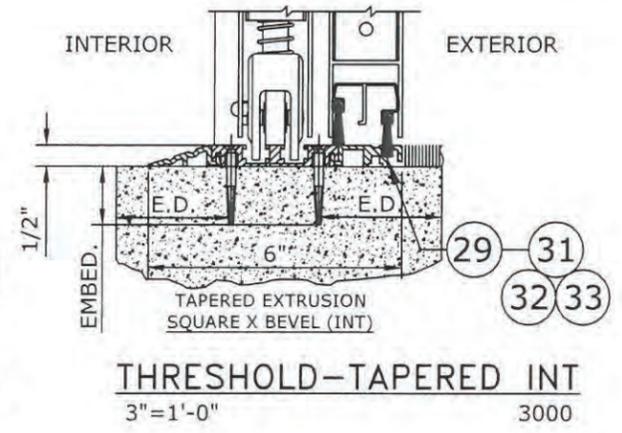
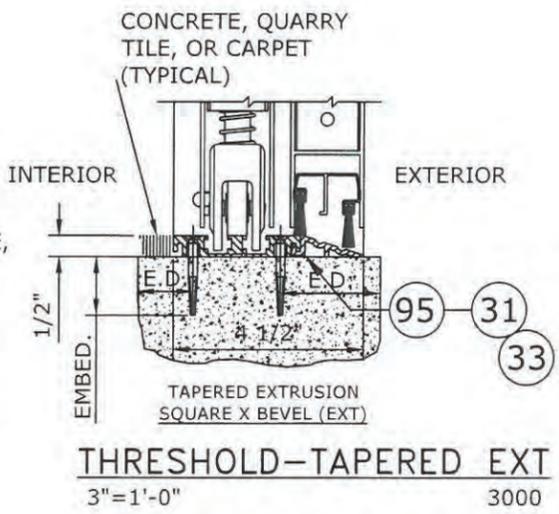
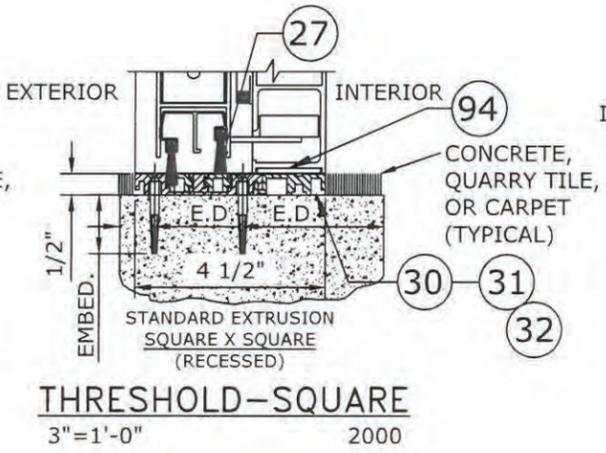
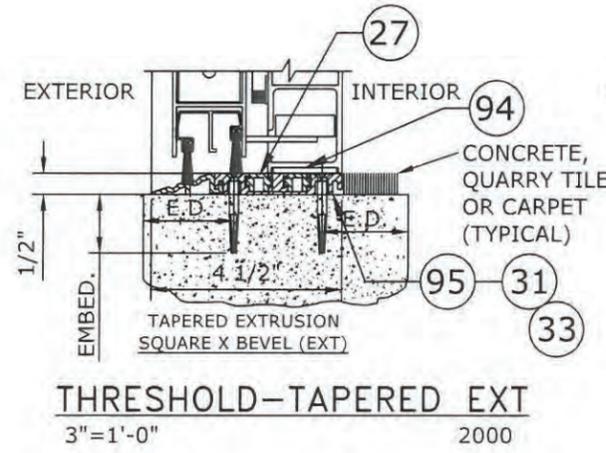
  

REMARKS
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# DURA-STORM SERIES 2000/3000 EXTRUSIONS

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Building Code

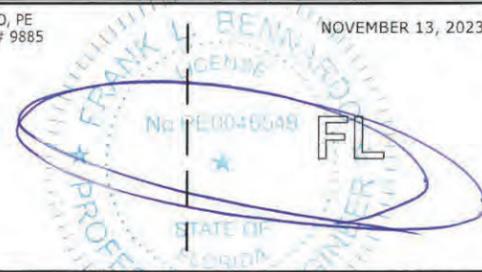
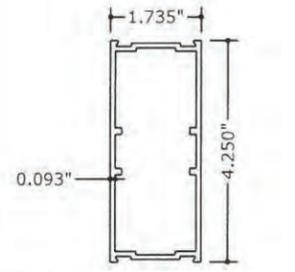
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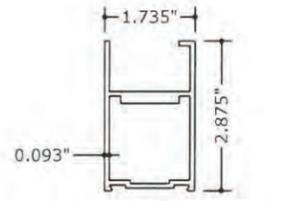
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PE# 0046549 CA# 9885

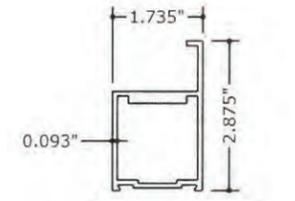
NOVEMBER 13, 2023

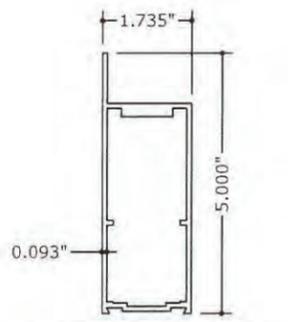
**18** MUNTIN BAR  
N.T.S. 6063-T6



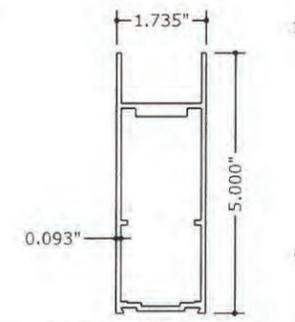
**9** TOP RAIL, SX (3000)  
N.T.S. 6063-T6



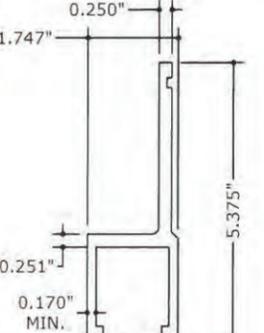
**10** TOP RAIL, SX (2000)  
N.T.S. 6063-T6



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



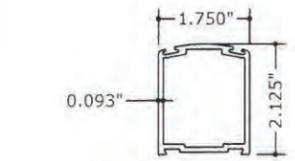
**8** TOP RAIL, O (2000)  
N.T.S. 6063-T6



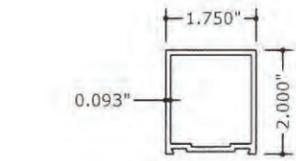
**26** HANGER  
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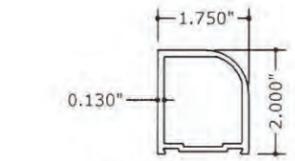
**79** PANIC MUNTIN CLIP  
N.T.S. 6063-T6



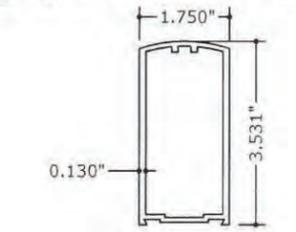
**15** STILE (NARROW)  
N.T.S. 6063-T6



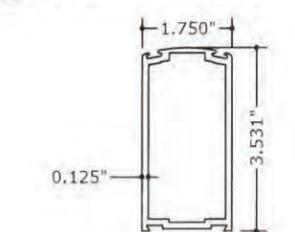
**11** STILE FIXED (NARROW)  
N.T.S. 6063-T6



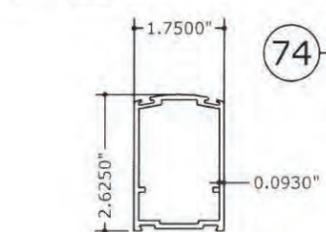
**13** STILE PIVOT (NARROW)  
N.T.S. 6063-T6



**12** STILE LEAD (MEDIUM)  
N.T.S. 6063-T6



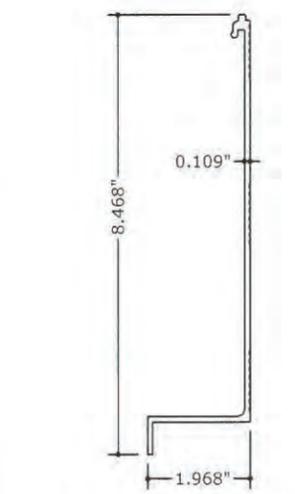
**16** STILE LOCK (MEDIUM)  
N.T.S. 6063-T6



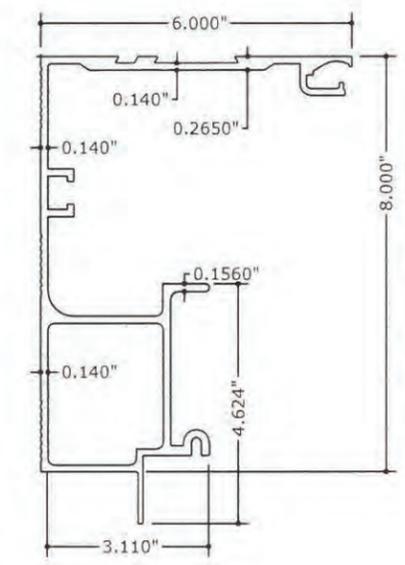
**16.1** STILE LOCK (REINFORCED)  
N.T.S. 6063-T6



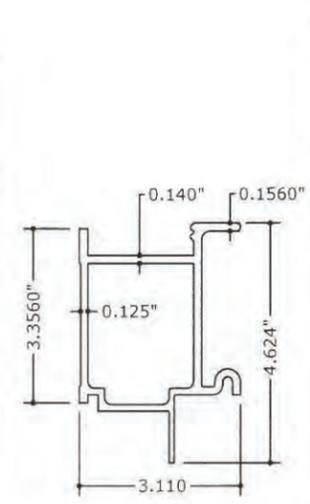
**74** STEEL PANIC REINFORCING  
N.T.S. ASTM A-36



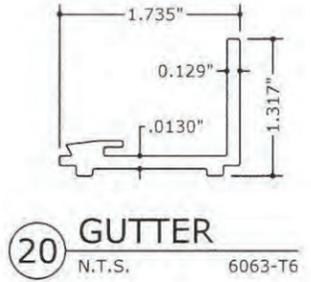
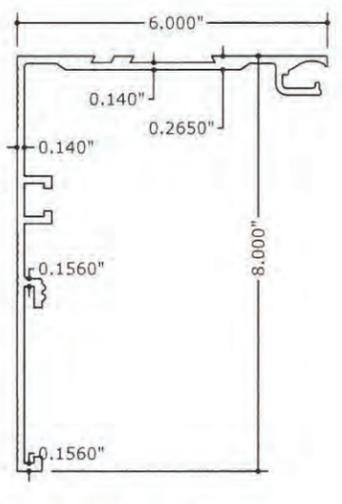
**6** HEADER COVER  
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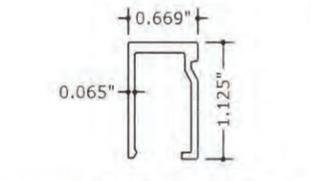
**4** HEADER  
N.T.S. 6063-T6



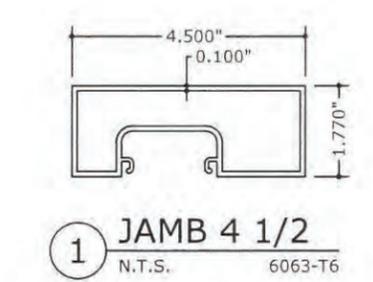
**5** HEADER (2 PC.)  
N.T.S. 6063-T6



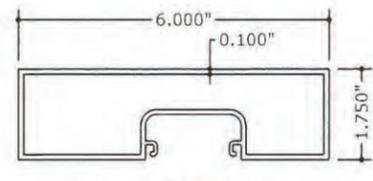
**20** GUTTER  
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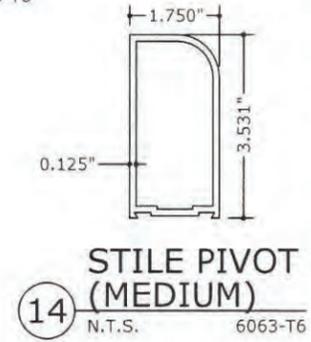
**19** GLASS STOP  
N.T.S. 6063-T6



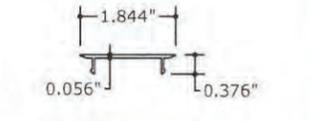
**1** JAMB 4 1/2  
N.T.S. 6063-T6



**2** JAMB 6  
N.T.S. 6063-T6



**14** STILE PIVOT (MEDIUM)  
N.T.S. 6063-T6



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

NOA# 23-0531.02

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65 SCOTT SWAMP ROAD  
FARMINGTON, CT 06032

**ALLEGION**  
SERIES "DURA-STORM 2000/3000"  
BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMI (MISSILE LEVEL D)  
MIAMI-DADE PRODUCT APPROVAL

DRWN	CHKD	DATE
RS	RS	11/13/23
SO		

REMARKS
INIT ISSUE

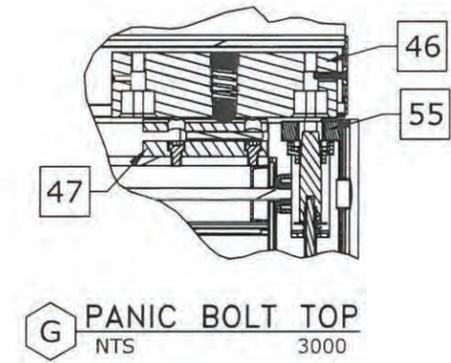
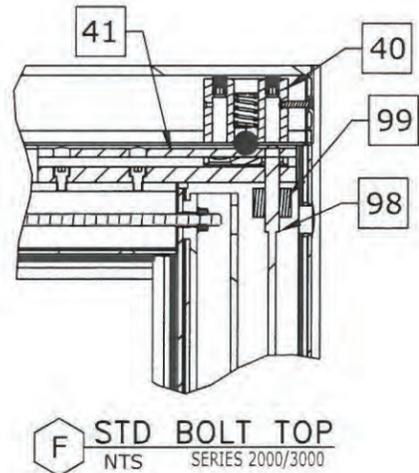
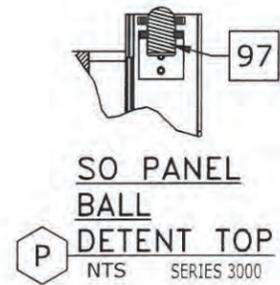
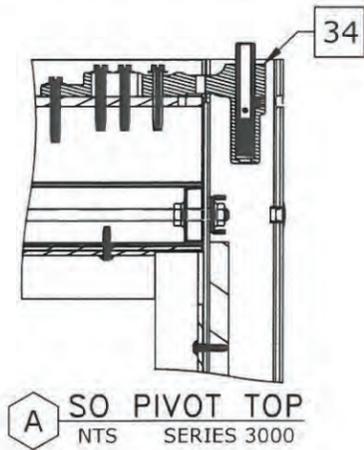
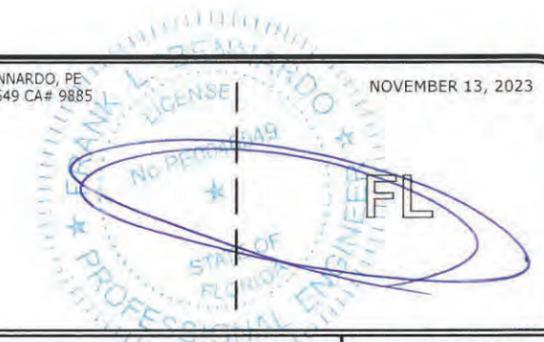
23-67901  
SCALE: NTS UNLESS NOTED



# DURA-STORM SERIES 2000/3000 DETAILS

FRANK BENNARDO, PE  
PE# 0046549 CA# 9885

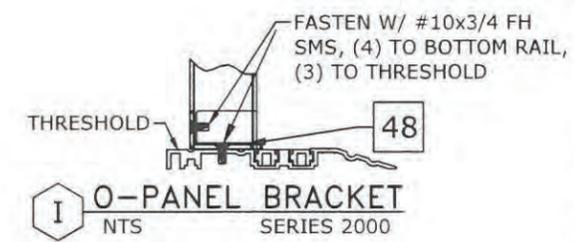
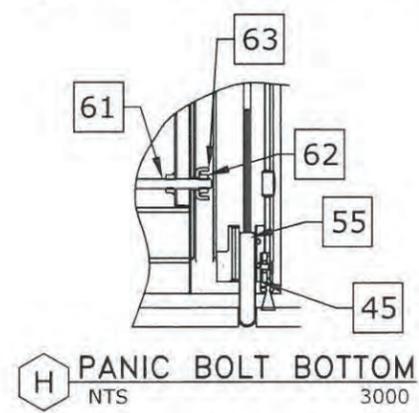
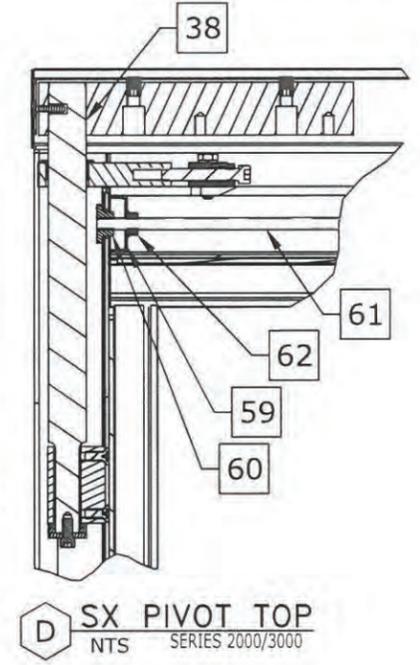
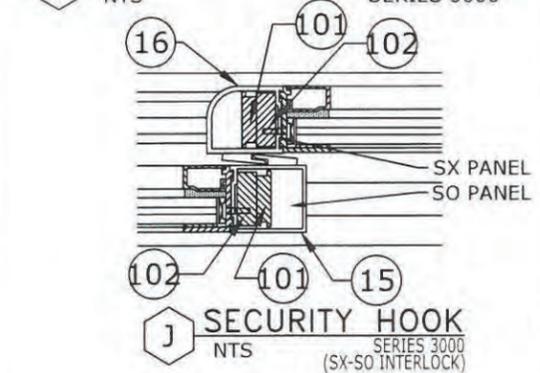
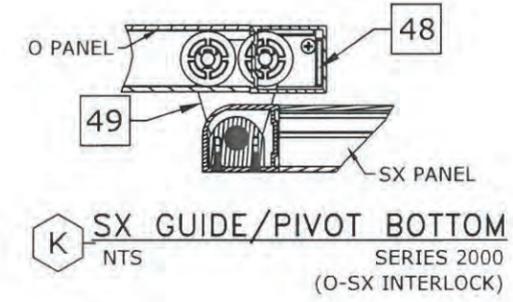
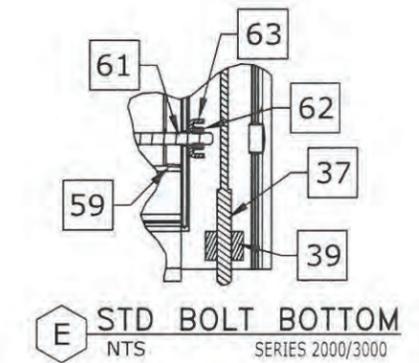
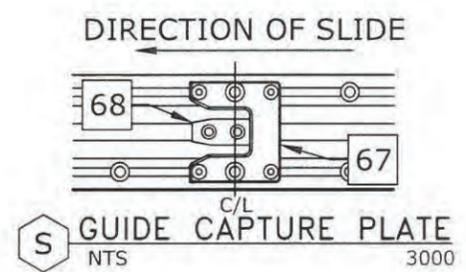
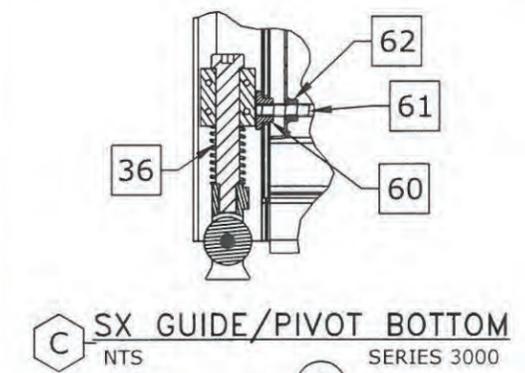
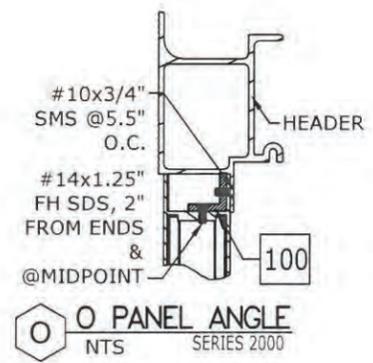
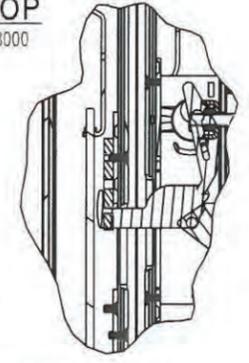
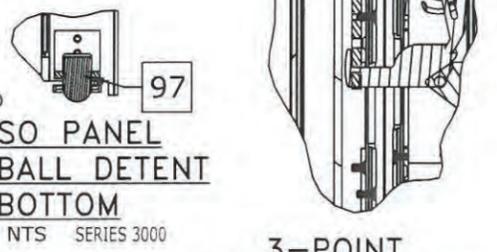
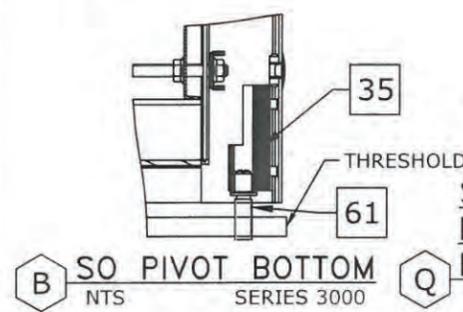
NOVEMBER 13, 2023



**PRODUCT APPROVED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0531.02  
Approval Date 02/22/2029  
By *[Signature]*  
Miami-Dade Product Control

NOA# 23-0531.02

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MIAMI-DADE PRODUCT APPROVAL

REMARKS	DATE
INIT ISSUE	11/13/23
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23-67901

SCALE: NTS UNLESS NOTED

