

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

### NOTICE OF ACCEPTANCE (NOA)

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

**MIAMI-DADE COUNTY** 

Stanley 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-3000" Aluminum Automatic Sliding Glass Door: So-Sx-Sx-So w/Full Breakout-LMI

**APPROVAL DOCUMENT:** Drawing No. **20-33199** (former **17-4571**), titled "Dura-Storm 3000 Bi-parting Automatic sliding-LMI (Missile E)", sheets 1 through 9 of 9, dated 09/27/18 and last revised on 11/24/2020, prepared by Engineering Express, 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. See sheet 2 for Design Pressure rating. See sheets 3, 4 & 5 for wood, concrete and steel substrates installation.
- 2. The Adams Rite (2)-point G-86 panic devices that was successfully **as** tested is integral part of the approval.
- 3. Not approved where water infiltration is required.
- 3. Glass to be divided w/ Horizontal muntin bars (detail V, sheet 6) & DLO height not to exceed 36" max (sheet 6).
- 4. Electrical devices, functions and installation is not part of this approval and to be reviewed and approved by Authority Having Jurisdiction (AHJ).

**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 #17-0821.16 consists of this page 1 & evidence pages E1 and E-2, as well as approval document mentioned above. The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

MIAMI-DADE COUNTY
APPROVED

Ishaq I. Chands

NOA No. 20-1216.24 Expiration Date: September 27, 2023 Approval Date: February 04, 2021

Page 1 of 2

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### 1. Evidence submitted in previous files

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No. 17-4571, titled "Dura-Storm 3000 Bi-parting Automatic sliding-LMI (Missile E)", sheets 1 through 9 of 9, dated 09/27/18 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 (0.34 cfm/sq.ft.@6.24 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 (Risk category IV).
  - 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 aluminum automatic entrance doors (So-Sx-Sx-So), prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-9322**, dated 12/15/17 and last revised on 06-05-18, signed and sealed by Idalmis Ortega, P. E.

Note: This test report has been revised by an addendum letter, issued by Fenestration Testing Lab, signed and sealed by Idalmis Ortega, P. E on 06/05/18.

### C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2017 (6<sup>th</sup> Edition), prepared by Engineering Express, dated 08-14-17, signed and sealed by Frank L. Bennardo, P.E.
- 2. Glazing complies w/ ASTME-1300-02, -4 & -09.

#### D. QUALITY ASSURANCE

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

#### E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 17-1026.02 issued to SAF-GLAS, L.L.C. for "SAF GLAS, Polycarbonate laminate", expiring on 12/16/22.

#### F. STATEMENTS

- 1. Statement letter of conformance and letter of no financial interest, prepared by Engineering Express, dated 08-14-17, signed and sealed by Frank L. Bennardo, P.E.
- 2. Statement letter dated DEC 01, 2017, issued by William Rodriguez Inc., to Fenestration Testing Lab, referenced to loss and damage to stored data, video, PDF and zip files, signed by Bill Rodriguez, IT professional.
- 3. Lab compliance as part of the above referenced test report.

#### G. OTHER

- 1. Impact pictures evidence provided by manufacturer.
- 2. AR G-86 Panic Rod modified end mount dated 09/24/2018, verified and stamped by FTL.
- 3. RER e-mails dated SEP 18, 2018 & SEP 20, 2018, referenced to future verification test.

\_ Ishaq I. Chands\_

Ishaq I. Chanda, P.E.

Product Control Unit Supervisor NOA No. 20-1216.24

**Expiration Date: September 27, 2023** 

Approval Date: February 04, 2021

#### **Stanley Access Technologies, LLC**

#### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### 2. New Evidence submitted

#### A. DRAWINGS

1. Drawing No. **20-33199** (former **17-4571**), titled "Dura-Storm 3000 Bi-parting Automatic sliding-LMI (Missile E)", sheets 1 through 9 of 9, dated 09/27/18 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. Notice of Acceptance No. 17-1026.02 issued to SAF-GLAS, L.L.C. for "SAF GLAS, Polycarbonate laminate", expiring on 12/16/22.

#### F. STATEMENTS

- 1. Statement letter of conformance to FBC 2020 (7<sup>th</sup> 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
- 3. Statement letter dated DEC 01, 2017, issued by William Rodriguez Inc., to Fenestration Testing Lab, referenced to loss and damage to stored data, video, PDF and zip files, signed by Bill Rodriguez, IT professional. (submitted under #17-0821.16)
- 4. Lab compliance as part of the above referenced test report.

#### **G. OTHER** (items # 2 thru 4, *submitted under #17-0821.16*)

- 1. This NOA revises #17-0821.16, expiring 09/27/24.
- 2. Impact pictures evidence provided by manufacturer.
- 3. AR G-86 Panic Rod modified end mount dated 09/24/2018, verified and stamped by FTL.
- 4. RER e-mails dated SEP 18, 2018 & SEP 20, 2018, referenced to future.

Ishaq I. Chands

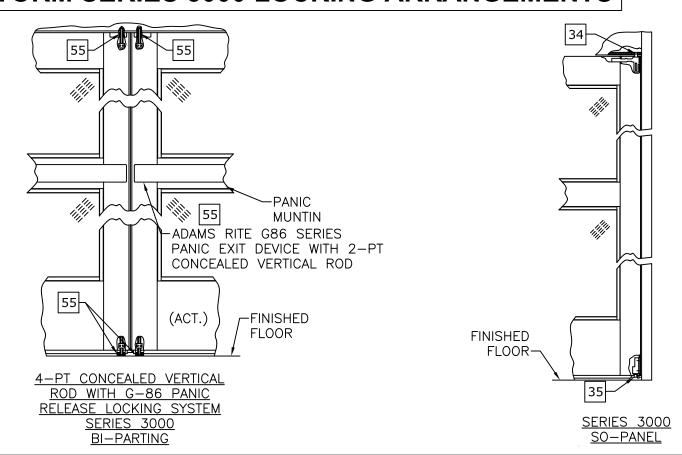
Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1216.24
Expiration Date: September 27, 2023

Approval Date: February 04, 2021

# **DURA-STORM SERIES 3000 LOCKING ARRANGEMENTS**

4/3,4,5 S0-SX-SX-S0 (BI-PART)

DURA-STORM 3000 TYPICAL ELEVATIONS



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CT 06032 FARMINGTON,

PYRIGHT ENGINEERING EXPRESS 20-33199

SCALE: NTS UNLESS NOTED

DOORS HAVE BEEN TESTED & DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) HIGH VELOCITY HURRICANE ZONE (HVHZ) AND MIAMI-DADE COUNTY PROTOCOLS TAS 201 FOR LARGE MISSILE IMPACT (RISK CATEGORY IV, 80 FT/S), TAS 202 FOR UNIFORM STATIC AIR PRESSURE AND TAS 203 FOR CYCLIC WIND

2. PERMIT HOLDER 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.

4. 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 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.

STRUCTURAL DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM UNIFORM LOAD TESTED PRESSURES DIVIDED BY A 1.5

DOORS DETAILED HEREIN HAVE BEEN DESIGNED AND TESTED TO THE MAXIMUM SPANS AND LOADS SHOWN ON THESE DRAWINGS REFERENCE FENESTRATION TESTING LAB REPORT 9322.

ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS, SPACED AS NOTED HEREIN, MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER

WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.

WOOD HOST STRUCTURE SHALL BE "SOUTHERN PINE" G=0.55 OR GREATER DENSITY.

10. 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.

11. ALL BOLTS AND WASHERS SHALL BE ZINC COATED, GALVANIZED. OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI, EXCEPT INSTALLATION ANCHORS.

ANCHORS PER ANCHOR SCHEDULE

ON SHEET 6.

1. ALL ALUMINUM PARTS SHALL BE 6063-T6 ALUMINUM ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.

2. GLAZING 5/8" ANNEALED LAMINATED, IMPACT RATED (SEE GLAZING DETAIL SHEET 7)

3. CORNER PANEL CONSTRUCTION: PANEL CORNERS ARE BUTT JOINED, SECURED WITH FOUR (4) FULL WIDTH 5/16" THREADED TIE RODS AT TOP RAIL, INTERMEDIATE HORIZONTÁL MUNTIN BAR, AND BOTTOM RAIL. ALL JOINTS ARE WELDED.

4. 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

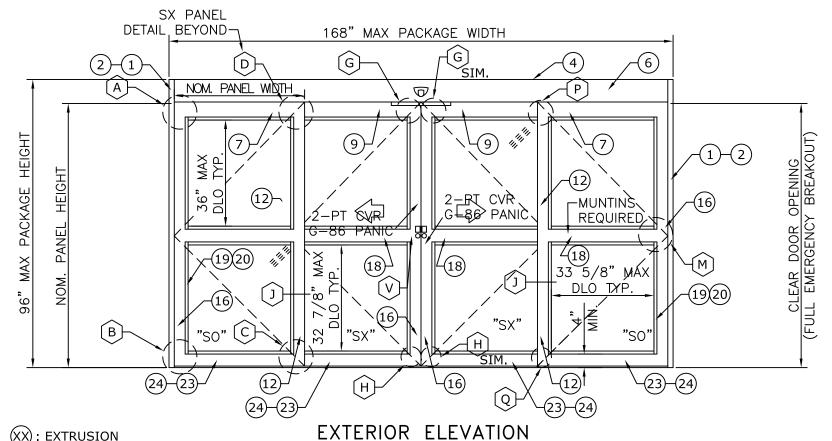
5. THIS SYSTEM HAS NOT BEEN TESTED PER ANSI Z97.1

FOR HELPFUL RESOURCES, SITE SPECIFIC JOB ORDERING & MORE NFORMATION ABOUT THIS PRODUCT RELATED SERVICES

SCAN HERE 国機區

VISIT ECALC.IO/33199

## **DURA-STORM SERIES 3000 ELEVATION AND PLAN**

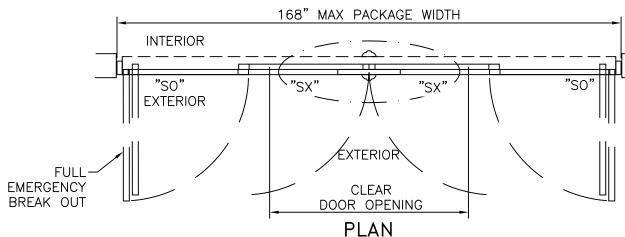


S0-SX-SX-S0 (BI-PART)

(XX): EXTRUSION

(XX)—(XX): EXTRUSION, OPTION

XX : PART (XX): DETAIL



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
168.0"	168.5"	MEDIUM	66.3"	43.4"	43.4"	1/4" / SIDE

SERIES 3000 BI-PART AVAILABLE PACKAGE HEIGHT INFORMATION						
PACKAGE HEIGHT	ROUGH OPENING	STILE TYPE	NOMINAL CLEAR DOOR OPENING	NOMINAL PANEL HEIGHT (SX)	NOMINAL PANEL HEIGHT (SO)	CAULKING ALLOWANCE
96.0"	96.3"	MEDIUM	86.5"	90.4"	87.3"	1/4" TOP

**PRODUCT REVISED** as complying with the Florida Building Code NOA-No. 20-1216.24

Expiration Date 09/27/2023

Ishag 1. Chands Miami-Dade Product Control

DESIGN RATINGS						
MISSILE IMPACT RATING						
	RISK CATEGORY IV, 80 FT	CATEGORY IV, 80 FT/S, "LEVEL E"				
DESIGN PRESSURE RATING (PSF[Pa])						
	WHERE WATER INFILTRATION RATING IS REQUIRED	WHERE WATER INFILTRATION RATING IS NOT REQUIRED				
POSITIVE	NOT APPROVED	75 PSF				
NEGATIVE	NOT APPROVED	75 PSF				



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TAN

20-33199

SCALE: NTS UNLESS NOTED

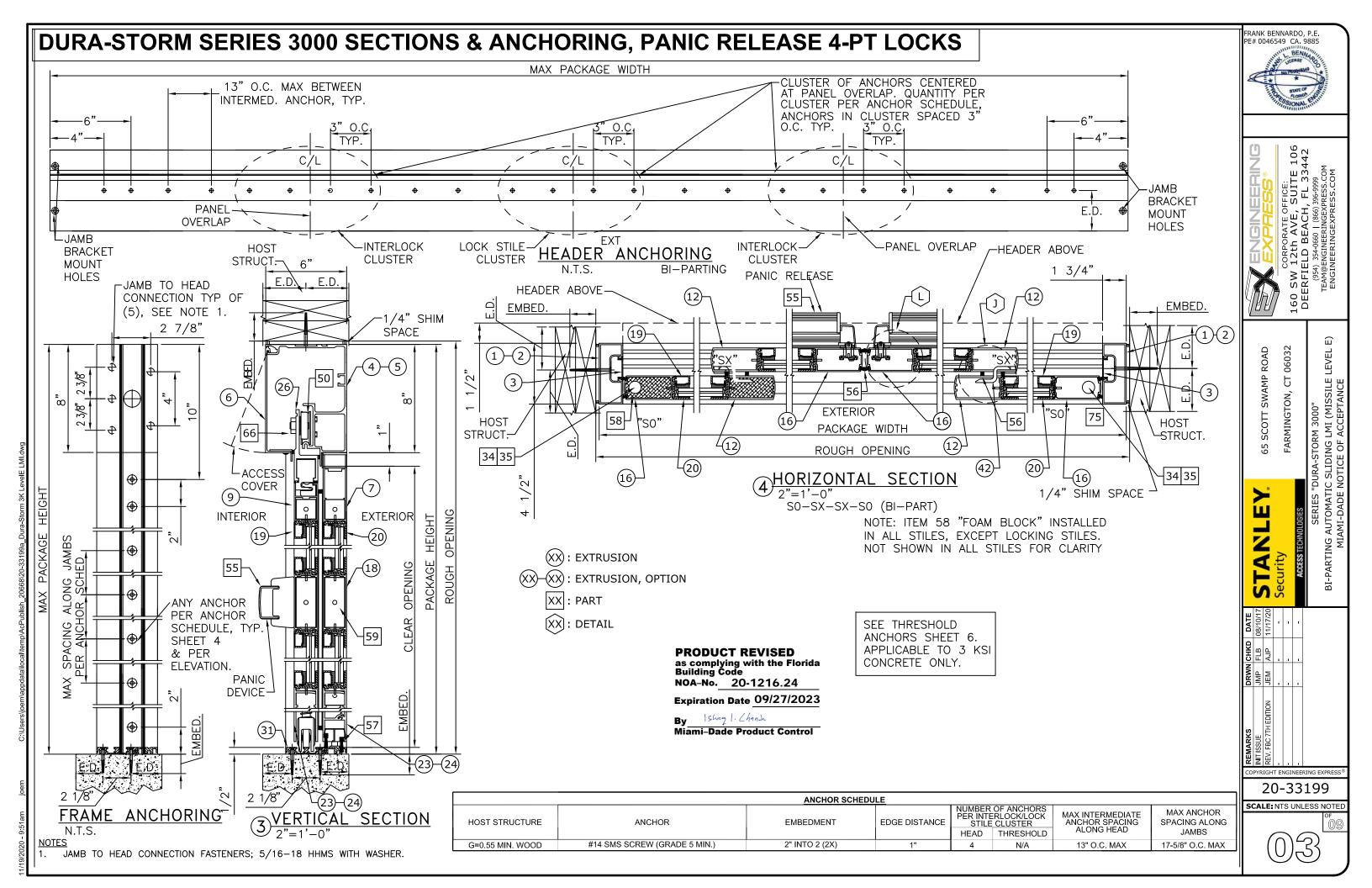
1. TYPICAL DOOR SHOWN, RAIL OPTIONS AVAILABLE AS INDICATED.

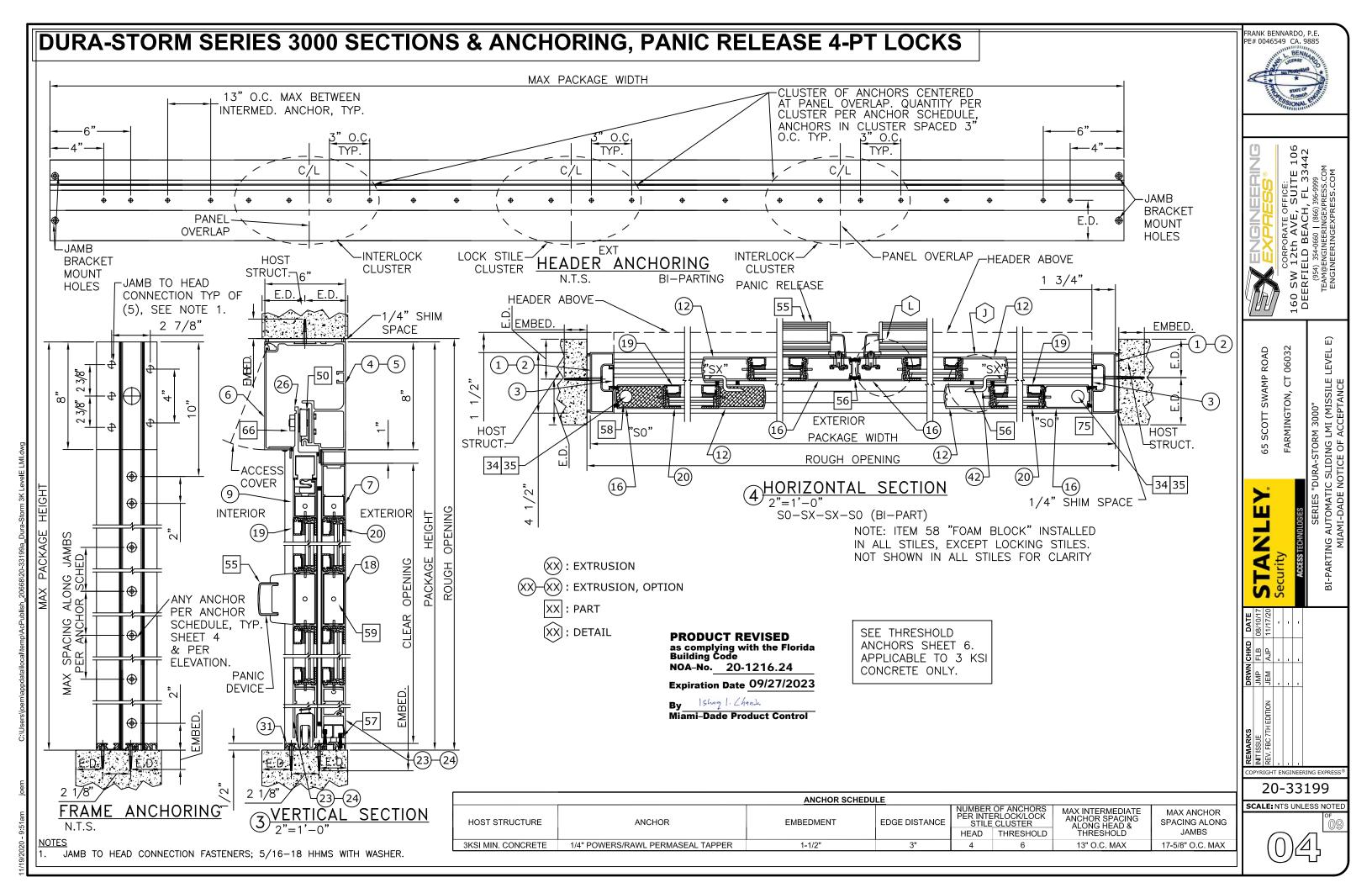
HORIZONTAL MUNTIN BAR REQUIRED.

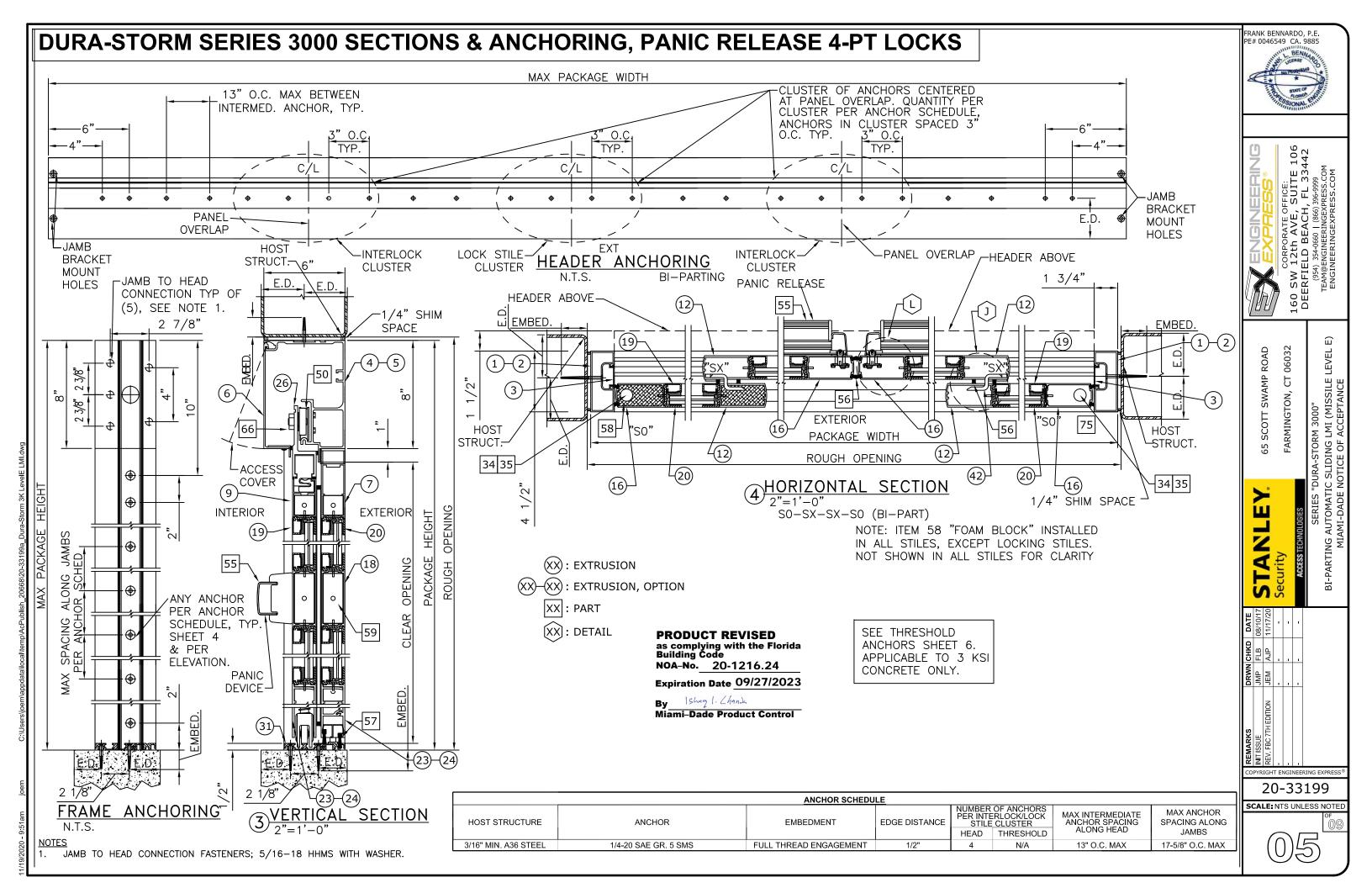
PRODUCT SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH PRODUCT APPROVALS.

4. SEE ELEVATIONS SHEET 1 AND SHEETS 3 THROUGH 6 FOR REQUIRED ANCHORAGE.

5. SEE SHEET 8 FOR GLAZING DETAILS.







### **DURA-STORM SERIES 3000 THRESHOLDS & ANCHORING**

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

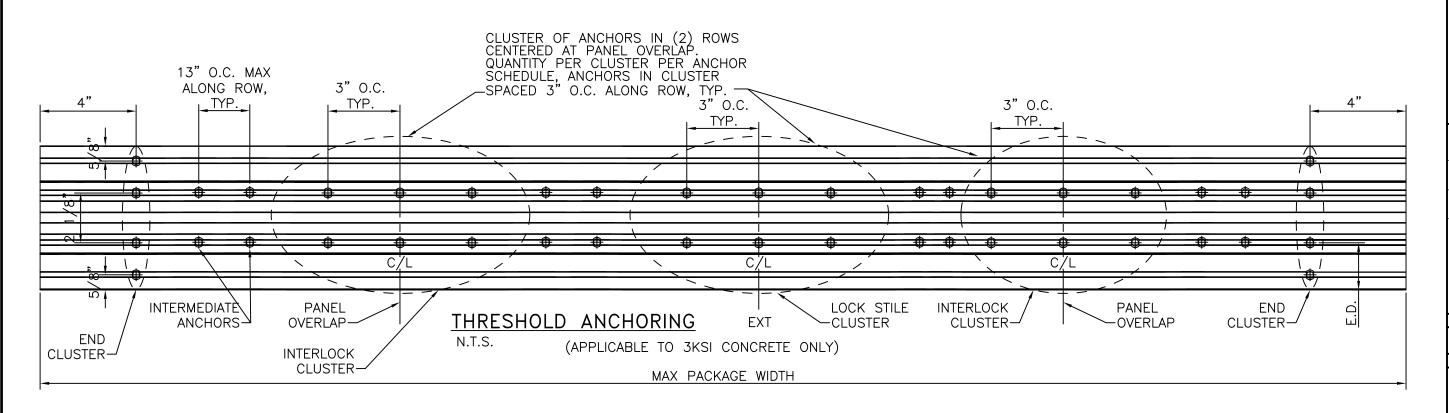
**EXTERIOR** 3/4" **INTERIOR** TOP OF CONCRETE TOP OF **FINISH** FLOOR-INTERIOR FLOORING  $(TYP)_{-}$ 4 3/4' LIMITS OF **RECESS** STANDARD EXTRUSION & GROUT SQUARE X SQUARE (RECESSED) THRESHOLD-SQUARE 3"=1'-0"

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Ishag 1. Chands

Miami-Dade Product Control





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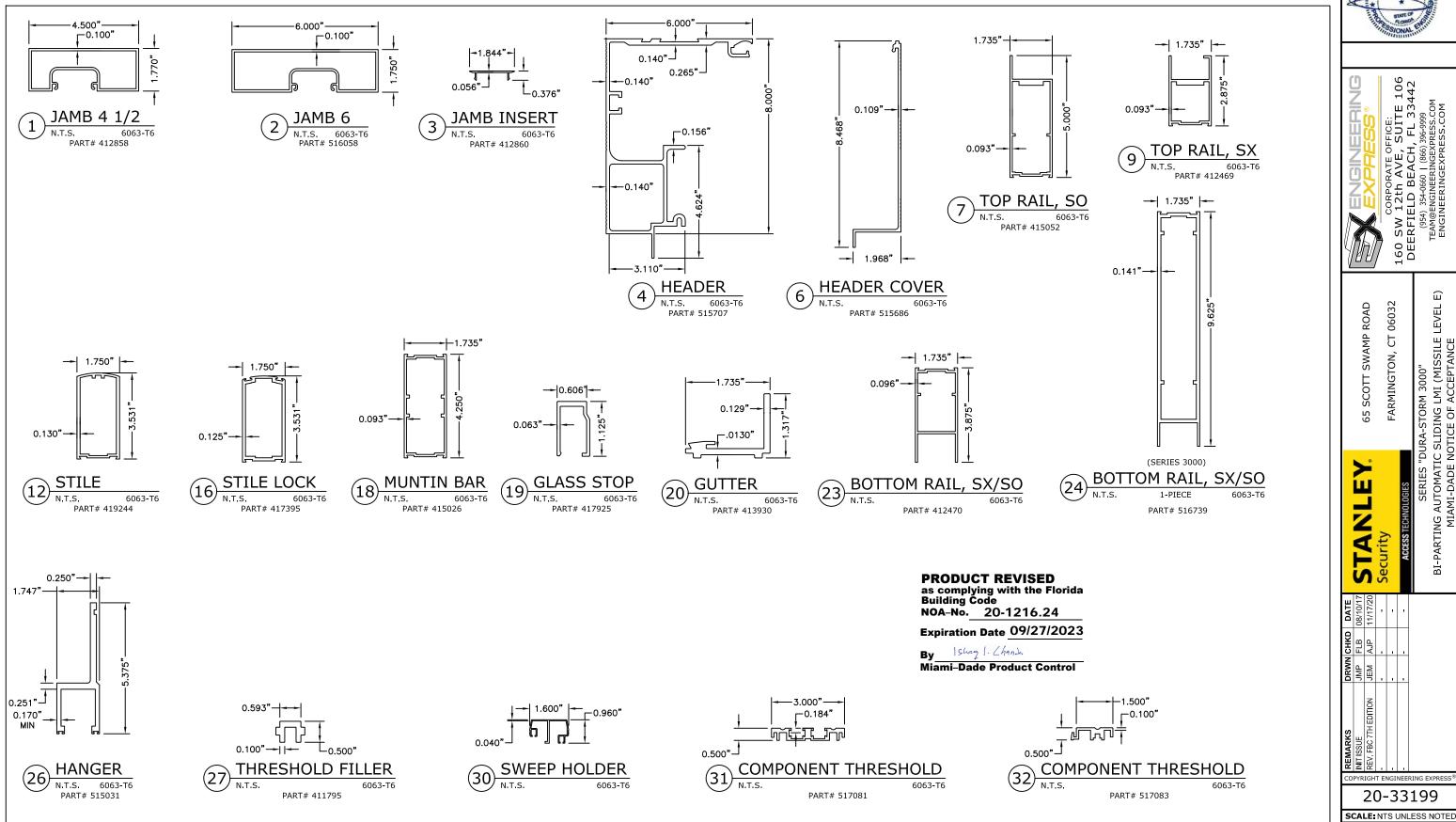
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SCALE: NTS UNLESS NOTED



# **DURA-STORM SERIES 3000 EXTRUSIONS**



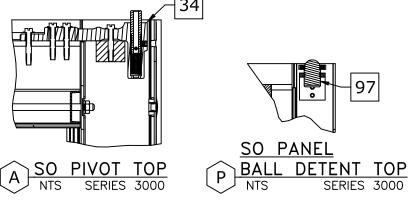
FRANK BENNARDO, P.E. PE# 0046549 CA. 9885

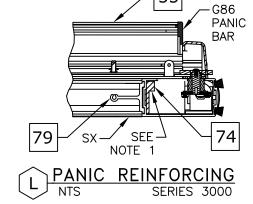
CT 06032 FARMINGTON,

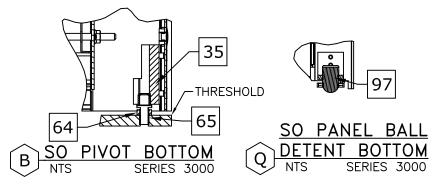
ZAZ

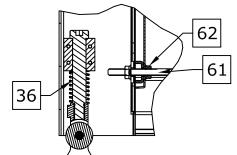
20-33199

## **DURA-STORM SERIES 3000 DETAILS**

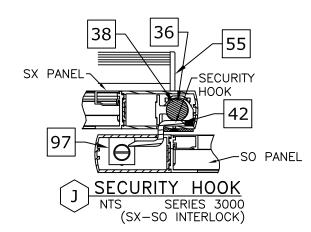


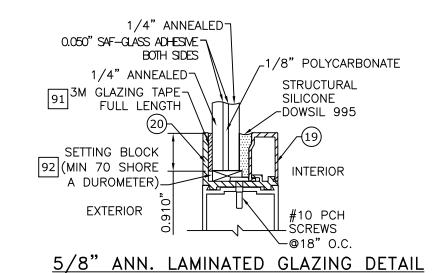






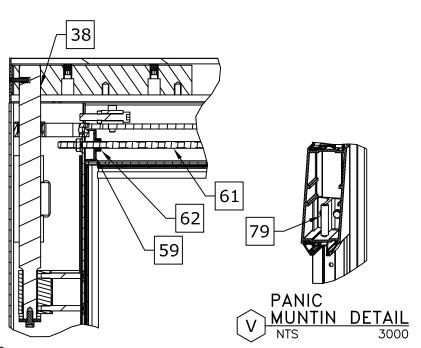
C SX GUIDE/PIVOT BOTTOM

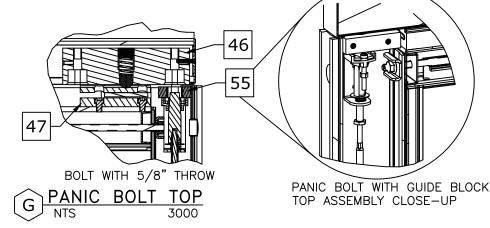


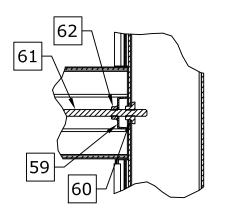


WITH SAFGLAS POLYCARBONATE

INTERLAYER BY SAF-GLAS, LLC





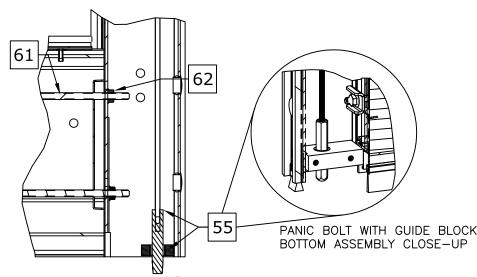


**PRODUCT REVISED** as complying with the Florida Building Code NOA-No. 20-1216.24

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Ishag 1. Chands Miami-Dade Product Control

MUNTIN DETAIL





FARMINGTON, CT 06032

20-33199 SCALE: NTS UNLESS NOTED

1. ITEM 74, "STEEL PLATE-PANIC REINFORCING", IS CONTAINED WITHIN VERTICAL STILE, HAS A MINIMUM LENGTH OF 42", AND IS CENTERED VERTICALLY ABOUT CENTERLINE OF HORIZONTAL MUNTIN. ITEM 74 IS FASTENED AS FOLLOWS: SINGLE ROW #10 X 32 X 1/2" FHTCMS @ 6" OC.

SX PIVOT TOP SERIES 3000

BOLT WITH 5/8" THROW

BILL OF MATERIALS				
REFERENCE	DESCRIPTION			
53	Part Not Used			
54	Component - Exit Indicator -			
55	Component - 2-Pt Panic Device - Adams Rite G86 with concealed vertical rod (top/bottom) and latch assembly.			
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			
67	Part Not Used			
68	Part Not Used			
69	Part Not Used			
70	Part Not Used			
71	Part Not Used			
72	Part Not Used			
73	Part Not Used			
74	Component - Steel Plate - Panic Reinforcing (48" Min.)			
75	Part Not Used			
76	Part Not Used			
77	Part Not Used			
78	Part Not Used			
79	Component - Muntin Clip (with Panic)			
80	Part Not Used			
81	Part Not Used			
82	Part Not Used			
83	Part Not Used			
84	Part Not Used			
85	Part Not Used			
86	Part Not Used			
87	Part Not Used			
88	Part Not Used			
89	Part Not Used			
90	Part Not Used			
91	Glazing - 3M Tape -			
92	Glazing - Setting Block -			
93	Part Not Used Part Not Used			
95	Part Not Used			
96	Part Not Used			
97	Component - Ball Detent - SO			
98	Part Not Used			
99	Part Not Used			
100	Extrusion - 1"x1"x3/16" Angle			

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By Ishag 1. Chands

Miami-Dade Product Control

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CT 06032 FARMINGTON,

65 SCOTT SWAMP ROAD

4

20-33199

SCALE: NTS UNLESS NOTED

