

Product Approval Summary Sheet

The products listed herein have been evaluated for compliance with the Florida Building Code in accordance with the product approval requirements of Florida Statue Chapter 553.842 and the Florida Administrative Code Rule Chapter 61G20-3 and based upon testing, comparative, or rational analysis, or a combination thereof said products comply with the minimum requirements of the Florida Building Code for the purposes intended.

Manufacturer's installation instructions must be available onsite for building inspector.

Persimmon Blvd & Seminole Pratt Whitney **Westlake** **FL 33470** **tbd** **tbd**

Building Permit Address City State Zip Code Contractor: First Name Last Name

Product Type (Window, Door, etc.)	Product Manufacturer	Product Model Number	Application Number (N.O.A. or Product approval)	Material Attached To (Masonry, Metal, or Wood)	Rating: Impact or Non-Impact
Door #101 & #102B	Allegion Access	DuraStorm 2000	NOA 23-0531.02	Metal	Impact
Door #102C	Kawneer	IR350HW	FL15850	Masonry	Impact
Door #105A & #106	Schlage Lock Co	Steelcraft H Series	NOA 23-0821.18	Masonry	Impact
OH Door #105C	Raynor	FlexFit 175	FL14529-R11	Masonry	Impact
OH Door #105D	Raynor	FlexFit 175	FL14529-R11	Masonry	Impact
Metal Panel	MBCI	PBR	FL11917.5-R4	Metal	
Metal Panel	MBCI	Corrigated	FL42379.07-R0	Wood	
Metal Panel	MBCI	LockSeam Standing Seam	FL11903.6-R4	Wood	
Storefront System	Kawneer	TriFab 451	FL14287-R10	Masonry	Impact



**PRODUCT EVALUATION REPORT
LOKSEAM PANEL**

**FLORIDA BUILDING CODE 7TH EDITION (2020)
FLORIDA PRODUCT APPROVAL
FL 11903.6-R4
ROOFING
METAL ROOFING**

**Prepared For:
MBCI, part of the Cornerstone Building Brands family.
14031 West Hardy
Houston, TX 77064
Telephone: (844) 327-1748
Fax: (281) 445-8110**

**Prepared By:
Bala Sockalingam, Ph.D., P.E.
Florida Professional Engineer #62240
1216 N Lansing Ave., Suite C
Tulsa, OK 74106
Telephone: (918) 492-5992
FAX: (866) 366-1543**

**This report consists of
Evaluation Report (3 Pages including cover)
Installation Details (1 Page)**

**Report No. C2424-6
Date: 12.18.2020**



Manufacturer:	MBCI, part of the Cornerstone Building Brands family.
Manufacturing Locations:	Houston: 14031 West Hardy, Houston, TX 77064 Atlanta: 2280 Monier Ave., Lithia Springs, GA 30122 Adel: 1600 Rogers Road, Adel, GA 31620
Product Name:	LokSeam
Panel Description:	Snap seam standing seam panel with max. 16" wide coverage and 1.75" high ribs
Materials:	Min. 24 ga., 50 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755). Corrosion resistant as per FBC 2020 Section 1507.4.3.
Deck Description:	Min. 19/32" plywood or min. 3/4" thick wood plank (min SG of 0.42) for new constructions or min. 15/32" plywood for existing constructions. Designed by others and installed as per FBC 2020.
Deck Attachment: (Minimum)	8d x 2.5" long ring shank nails or #8 x 2" long wood screws at 6" o.c. in the field and edges. Designed as per FBC 2020.
Underlayment:	TW Metal and Tile self-adhering SBS modified asphalt sheet membrane Or equivalent.
Slope:	3:12 or greater in accordance with FBC 2020 Section 1507.4.2.
Design Uplift Pressure: (Factor of Safety = 2)	-52.5 psf at clip spacing of 48" o.c. -101.0 psf at clip spacing of 6" o.c.
Panel Attachment:	UL90 (HW-6400) clip with (2) #10-12 x 1" long pancake head wood screws per clip. Fastener shall be of sufficient length to penetrate through the deck a minimum of 5/16". Clips and fasteners are corrosion resistant as per FBC 2020 Section 1506.7 and 1507.4.4, respectively
Test Standards:	Roof assembly tested in accordance with UL 580-06 'Uplift Resistance of Roof Assemblies' & UL 1897-04 'Uplift Tests for Roof Covering Systems'.
Test Equivalency:	The test procedures in UL 1897-04 comply with test procedures prescribed in UL 1897-12.
Code Compliance:	The product described herein has demonstrated compliance with FBC 2020 Section 1507.4.

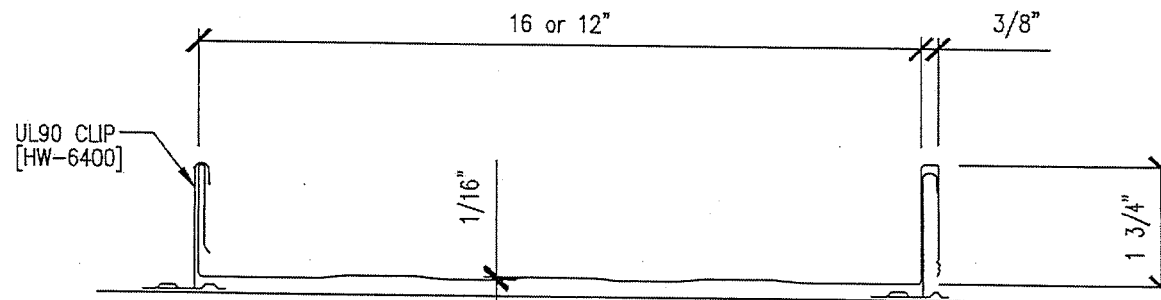
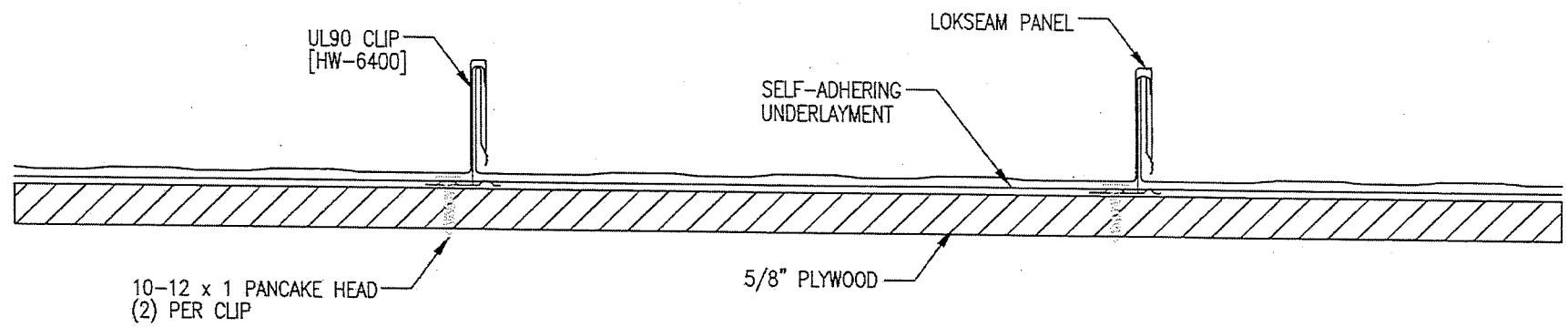
Product Limitations: Design wind loads shall be determined for each project in accordance with FBC 2020 Section 1609 or ASCE 7-16 using allowable stress design. The maximum clip spacing listed herein shall not be exceeded. This evaluation report is not applicable in High Velocity Hurricane Zone. Fire classification is not within scope of this Evaluation Report. Refer to FBC 2020 Section 1505 and current approved roofing materials directory or ASTM E108/UL790 report from an accredited laboratory for fire ratings of this product.

Supporting Documents: UL580 Roof Deck Construction No. 436

UL580 & UL1897 Test Reports

Intertek B&C

Test Report F0821.01-450-44, Reporting Date 10/21/2015



LOKSEAM PANEL PROFILE



**PRODUCT EVALUATION REPORT
PBR PANEL**

**FLORIDA BUILDING CODE 7TH EDITION (2020)
FLORIDA PRODUCT APPROVAL
FL 11917.5-R4
PANEL WALLS
SIDING**

**Prepared For:
MBCI, part of the Cornerstone Building Brands family.
14031 West Hardy
Houston, TX 77064
Telephone: (844) 327-1748
Fax: (281) 445-8110**

**Prepared By:
Bala Sockalingam, Ph.D., P.E.
Florida Professional Engineer #62240
1216 N Lansing Ave., Suite C
Tulsa, OK 74106
Telephone: (918) 492-5992
FAX: (866) 366-1543**

**This report consists of
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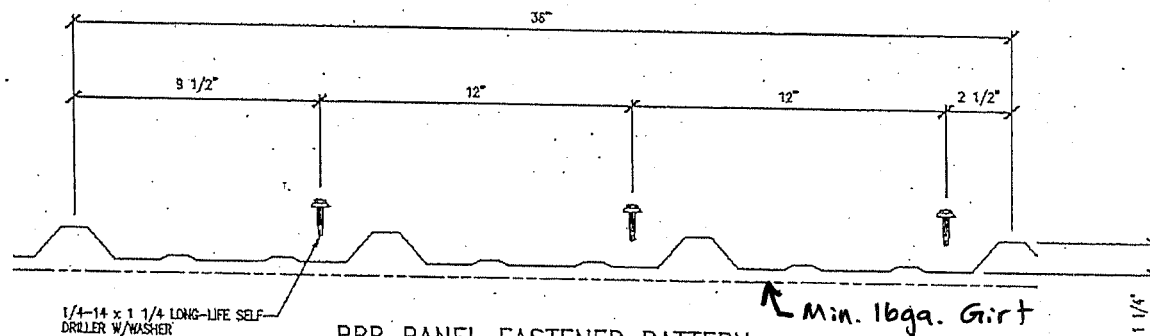
**Report No. C2423-5
Date: 12.17.2020**



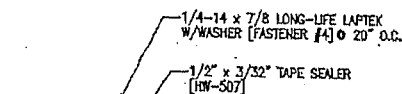
Manufacturer:	MBCI, part of the Cornerstone Building Brands family.
Manufacturing Locations:	Houston: 14031 West Hardy, Houston, TX 77064 Atlanta: 2280 Monier Ave., Lithia Springs, GA 30122 Adel: 1600 Rogers Road, Adel, GA 31620
Product Name:	PBR Panel
Panel Description:	36" wide coverage with (4) 1-1/4" high ribs
Materials:	Min. 29 ga., 80 ksi steel or min. 24 ga., 50 ksi steel. Galvanized coated steel (ASTM A653) or Galvalume coated steel (ASTM A792) or painted steel (ASTM A755) as per FBC 2020 Section 1405.2.
Support Description:	Min. 16 ga., 50 ksi steel section. (Must be designed by others)
Design Pressure: (Factor of Safety = 2)	29 ga.: +60 and -55 psf at support spacing of 48" o.c. 26 ga.: +90 and -80 psf at support spacing of 48" o.c. 24 ga.: +100 and -90 psf at support spacing of 48" o.c. 22 ga.: +150 and -142.5 psf at support spacing of 48" o.c. with two fasteners at each rib.
Panel Attachment: At panel ends At intermediate	1/4"-14 x 1-1/4" long corrosion resistant self-drilling screws with washer. 7"-5"-7" o.c. across panel width 12" o.c. across panel width for 29, 26 and 24 ga. panels 7"-5"-7" o.c. across panel width for 22 ga. panels
Sidelap Attachment:	1/4"-14 x 7/8" long corrosion resistant self-drilling screws with washer at 20" o.c.
Test Standards:	Wall assembly tested in accordance with ASTM E1592-01 'Test Method for Structural Performance of Sheet Metal Roof and Siding Systems by Uniform Static Air Pressure Difference'.
Test Equivalency:	The test procedures in ASTM E1592-01 comply with test procedures prescribed in ASTM E1592-05(2012).
Code Compliance:	The product described herein has demonstrated compliance with FBC 2020 Section 1404.5.
Product Limitations:	Design wind loads shall be determined for each project in accordance with FBC 2020 Section 1609 or ASCE 7-16 using allowable stress design. The maximum support spacing listed herein shall not be exceeded. The design pressure for reduced support spacing may be computed using rational analysis prepared by a Florida Professional

Engineer. This evaluation report is not applicable in High Velocity Hurricane Zone.

Supporting Documents: ASTM E1592 Test Reports
Force Engineering & Testing, Inc.
07-0200T-14 A, B, C. Reporting Date 9/29/2014

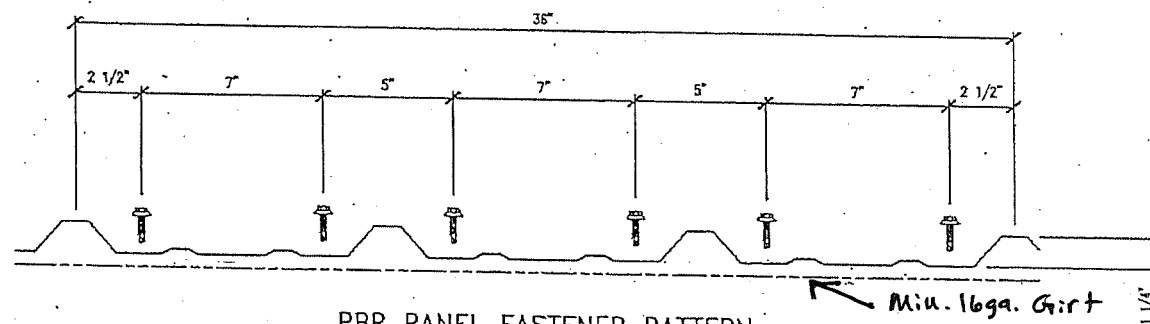


PBR PANEL FASTENER PATTERN
(AT INTERMEDIATE SUPPORTS)



APPLICATION ←
PREVAILING WIND →

PBR PANEL SIDE LAP DETAIL



PBR PANEL FASTENER PATTERN
(AT PANEL ENDS)



398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

Product Evaluation Report

of

**Kawneer Company, Inc.
TriFab 451/451T Storefront System
(WZ3) (Impact)**

for

Florida Product Approval

FL# FL14287

Report No. 8787

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Panel Walls
Sub – Category:	Storefronts
Product:	TriFab 451/451T Storefront System
Materials:	Aluminum
Product Dimensions:	See Installation Instructions, KAW007

Prepared for:

**Kawneer Company, Inc.
555 Guthridge Courts
Norcross, GA 30092**

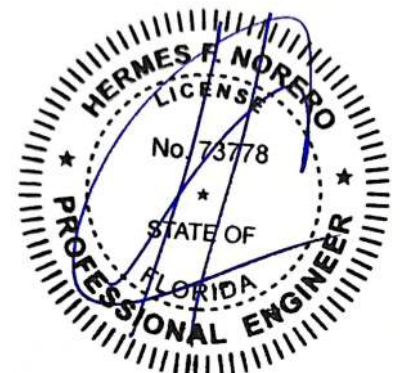
Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 8/28/2023

Contents:

Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.19 12:12:49 -04'00'



Hermes F. Norero, P.E.
Florida No. 73778

Manufacturer: Kawneer Company, Inc.

Product Category: Panel Walls

Product Sub-Category: Storefronts

Compliance Method: State Product Approval Method (1)(d)

Product Name: TriFab 451/451T Storefront System (WZ3) (Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Kawneer Company, Inc.** based on Method 1d of the State of Florida Product Approval, Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the current Florida Building Code.

See Installation Instructions **KAW007**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

Limits of Use:

1. This product has been evaluated and is in compliance with the current Florida Building Code, **excluding** the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and **does not require** an impact resistant covering in Wind Zone 3 or less.
4. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the current Florida Building Code and **does require** an impact resistant covering in Wind Zone 4.
5. Site conditions that deviate from the details of installation instructions **KAW007** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **KAW007** for size and design pressure limitations.

Quality Assurance:

The manufacturer has demonstrated compliance of manufacture of products in accordance with the current Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Architectural Testing, Inc., an Intertek Company.** (FBC Organization # QUA1844)

Performance Standards:

The product described herein has been evaluated per:

- AAMA 501-15
- ASTM E283-04(12)
- ASTM E330-14
- ASTM E331-00(09)
- ASTM E1886-13a
- ASTM E1996-17

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc. (an Intertek company) - Lithia Springs, GA / Atlanta**
(FBC Organization # TST3892)
Report #: G049-0201-10, Report Date: 03/19/10
Report #: D0833.01-550-44, Report Date: 04/01/14
2. Material Certification
Miami-Dade County Notice of Acceptance
Kuraray America, Inc. (Previously DuPont)
SentryGlas Interlayer
3. Quality Assurance
Architectural Testing, Inc., an Intertek Company.
(FBC Organization #: QUA1844)

Installation:

Refer to Installation Instructions (**KAW007**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**KAW007**) for design pressures based on size, configuration, and glass types.

Equivalence of Test Standards:

Various test standards have been evaluated for differences in test methodology, if any, between tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. **Kawneer Company, Inc.** has tested their products to the following test standard edition(s):

- 1) AAMA 501-05
- 2) ASTM E283-04
- 3) ASTM E330-02
- 4) ASTM E331-00
- 5) ASTM E1886-05
- 6) ASTM E1996-09/12

Chapter 35 of the current Florida Building Code references the following editions of the above mentioned test standards:

- 1) AAMA 501-15
- 2) ASTM E283-04(12)
- 3) ASTM E330-14
- 4) ASTM E331-00(09)
- 5) ASTM E1886-13a
- 6) ASTM E1996-17

After review of the above mentioned referenced standards and editions, it has been found that the results and tests carried out meet the requirements for compliance. All referenced standards have been found to be equivalent.

W. W. Schaefer Engineering & Consulting, P.A. (CA #6809)

7480 150th Court North
Palm Beach Gardens, FL 33418
Phone (561)744-3424

ENGINEER'S EVALUATION REPORT #WWS-215**Prepared for:**

Kawneer Company, Inc.
555 Guthridge Court
Norcross, GA 30092-3503
Phone: (770) 449-5555

Prepared by:

Warren W. Schaefer, P.E.
Florida Professional Engineer #44135

Manufacturer: Kawneer Company, Inc.

Product Category: Doors

Evaluation Method: 1-D (Engineer's evaluation)

Product model & name: IR350/500 HW Wind Zone 3 LMI Out-swing Doors

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1822

Door size restrictions and assembly requirements:

See drawing No. 1822

Maximum allowable design pressure:

See drawing No. 1822

Installation requirements:

See drawing No. 1822

Code compliance:

Code section(s) considered with this evaluation:

FBC Chapter 17

Test Standards applicable to the testing of these doors:

ASTM E330, ASTM E1886, ASTM E1996 & AAMA 1304

Test Laboratory: Architectural Testing, Inc. (ATI)

Test report numbers: B3880.01-550-18 & B3877.01-550-18

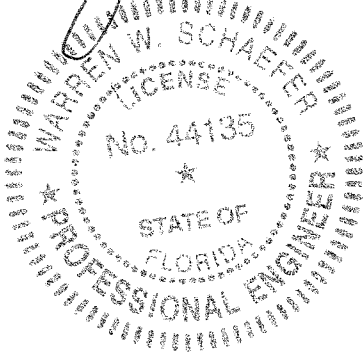
General report notes & system limitations:

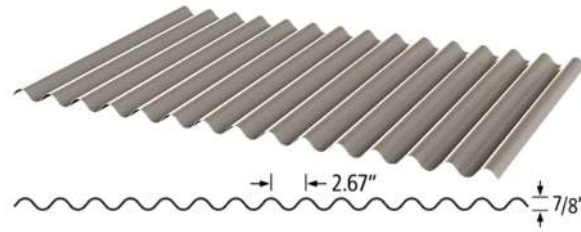
1. All size & installation conditions shown in this report and the referenced drawing No. 1822 are based off the referenced test reports and/or engineering analysis in accordance with the Florida Building Code.
2. Doors shall be constructed in accordance with the descriptions in this report, and the manufacturer's state approved quality assurance entity specifications.
3. This product is approved for use for non-HVHZ (Not approved for use in HVHZ).
4. Job required design wind pressure shall be calculated in accordance with the Florida Building Code Chapter 16 and ASCE 7 Minimum Design Loads for Buildings and Other Structures (0.85 directionality factor may apply per the current ASCE 7 standard).
5. These doors are both small & large missile impact rated for use in wind zone 3 & missile level "D" locations and need not be shuttered.
6. Glazing gaskets were tested in accordance with ASTM C864 per FBC section 2411.3.4.
7. This door system is not approved for use where water infiltration resistance is required by the door. Unless units are installed in non-habitable areas where the unit and the area are designed to accept water infiltration, units shall be installed only at locations protected by a canopy or overhang where-by the overhang(OH) ratio is equal to or more than 1.0 per FBC.

Quality Assurance Entity: (ATI) Architectural Testing, Inc., York, PA

JAN 06 2015

Warren W. Schaefer, P.E.
Florida P.E. #44135



Steel Corrugated Panel on
Plywood

PBC



PBC



7/8" Corrugated

Product Description

Corrugated panel with nominal 7/8" rib height, and panel coverage of 34.67" (max)

Product Material

24ga or 26ga steel (min)

Corrosion resistant per FBC 1507.4.3 where required.

Fastener

#10 x 1.5-inch fastener with sealing washer

Fasteners compliant with FBC 1506.6 where required.

Substrate/Deck

15/32" Plywood (min) or 7/16" OSB (min)

Evaluated by:

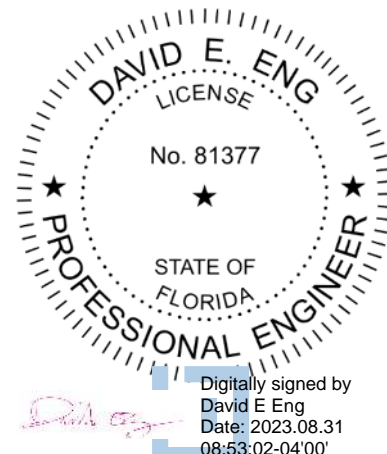
David Eng, PE

Timberlake Cove, LLC

1317 Edgewater Dr, Ste 2339 | Orlando FL

FL PE 81377 | FL CA 33344

www.TimberLakeCove.com



This item has been digitally signed and sealed by D.E. Eng, PE, on the date indicated. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

Maximum Allowable Loads & Installation Requirements:

This product approval covers 2 installation configurations. A factor of safety of 2 has been applied to all allowable uplift pressures shown.

24ga (min) Corrugated on 15/32" plywood (min), max coverage 34.67"

¼"x7/8" lap fastener at 24" o.c.

#10 x 1.5" fastener in valley or #10 x 2" fastener in peaks, in 8" (max) pattern (every third peak or valley, i.e. skip two valleys/peaks):

8" fastener spacing: 177.1 PSF

16" fastener spacing: 101.3 PSF

24" fastener spacing: 67.5 PSF

36" fastener spacing: 45 PSF

26ga (min) Corrugated on 15/32" plywood (min) or 7/16" OSB (min), max coverage 29.33"

¼"x7/8" lap fastener at 24" o.c.

#10 x 1.5" fastener in valley or #10 x 2" fastener in peaks, in 8" (max) pattern (every third peak or valley, i.e. skip two valleys/peaks):

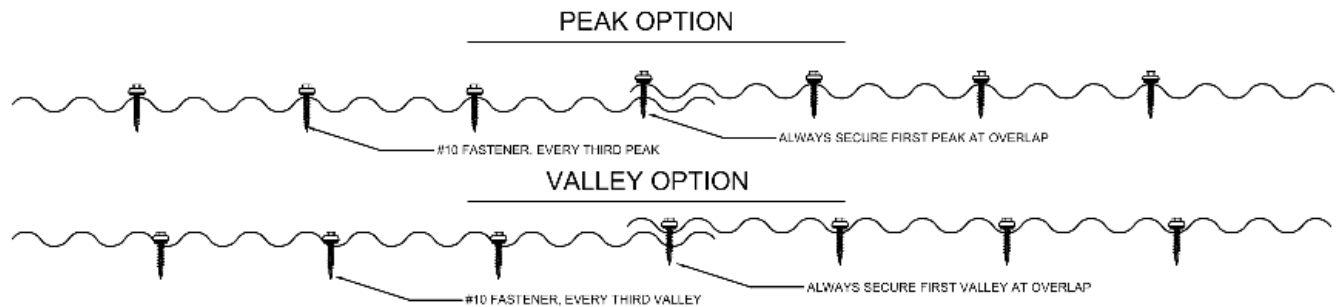
8" fastener spacing: 115.2 PSF

16" fastener spacing: 62.3 PSF

24" fastener spacing: 41.6 PSF

Interpolation between spacing is permitted.

Interpolation between spacing is permitted.



Underlayment: Comply with local building code or FBC 1507.1.1 where required.

Slope: Comply with local building code or FBC 1507.4.2 where required.

Re-Roofing: As permitted by local building code or FBC 1511, this panel may be installed over a single layer of existing shingles or other existing roof covering, provided the existing roof meets the conditions required by the applicable code.

Technical Documentation:

This product has been tested by Farabaugh Engineering and Testing (TST1654) to the TAS 125 standard, test number T165-19 as referenced in FL 29467.1-R1.

This product has been tested by Farabaugh Engineering and Testing (TST1654) to the TAS 125 standard, test number T166-19 as referenced in FL 29467.2-R1.

Compliance Statement:

This product as described has demonstrated compliance with Florida Building Code 2023, 1504.3.2 (**non-HVHZ**), as required by FL Rule 61G20-3, method 1D.

This product as described has been tested and demonstrated compliance with:

- TAS 125: Standard Requirements for Metal Roofing Systems

Design Process:

Compare the maximum allowable loads on page 2 to the ASD uplift pressures for the project to determine sufficiency and installation requirements.

Alternatively, as an option, the load tables in this report provides one prescriptive option for the fastening requirement for the applicable wind loads for roofs within the parameters described. For roofs outside of the listed parameters, design wind loads shall be determined as required by FBC 1609, ASCE 7, or other design code in force, using allowable stress. These load tables are based on ASCE 7-22. Use of these tables assumes that the structure is: Enclosed and conforms to wind-borne debris provisions and is a regular shaped building and is not subject to across-wind loading, vortex shedding, or instability; nor does it have a site location for which channeling or buffeting warrant consideration

Engineering analysis may be completed by other licensed engineers for project specific approval by local authorities having jurisdiction.

Optional Load Tables:

These load tables are provided as a courtesy to provide one possible prescriptive option for a generic, typical structure without calculating the design pressures.

For structures outside the parameters of these load tables (e.g. height above 30 feet), calculate the required allowable design pressure and compare to the maximum allowable loads shown on page 2. These load tables shall not be construed to in any way limit the installation of this product to the cases shown.

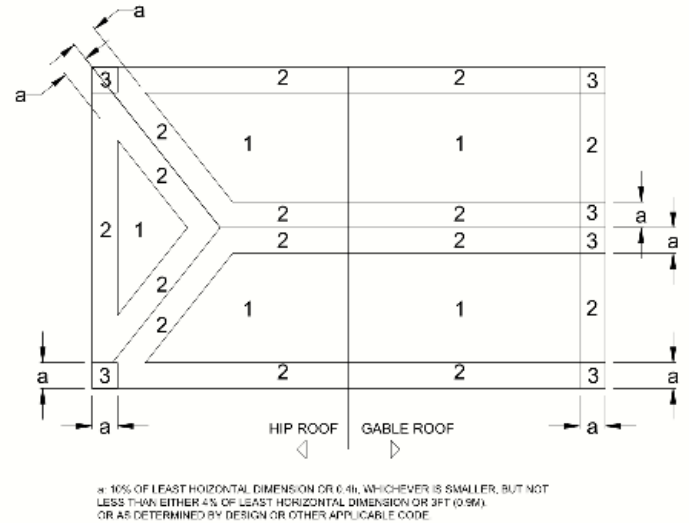
Contact the manufacturer for further information, or consult a licensed design professional.

Instructions:

Select the appropriate load table that applies to the structure in question.

Determine the design wind speed for the project location.

Use the attachment method indicated for that windspeed within each roof zone.



ROOF ZONES FOR GENERIC BUILDING

Use this load table for structures which meet the following criteria:

Are located in **Exposure B** area

Have either a **flat roof, or gable/hip roof** with **max slope of 45° (±12:12)**

Have a mean roof height of **30 feet or less**

FL42379.07: 24ga (min) 7/8" Corrugated on 15/32" (min)

plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	36"	36"	36"	36"	24"	24"	24"	16"	16"
Zone 2:	36"	36"	24"	24"	24"	16"	16"	16"	8"
Zone 3:	24"	24"	16"	16"	16"	16"	8"	8"	8"

Use this load table for structures which meet the following criteria:

Are located in **Exposure B** area

Have either a **hip roof** with **max slope of 45° (±12:12)**

or gable roof with **slope between 27° and 45° (±6.1:12 - 12:12)**

Have a mean roof height of **30 feet or less**

FL42379.07: 24ga (min) 7/8" Corrugated on 15/32" (min)

plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	36"	36"	36"	36"	24"	24"	24"	24"	16"
Zone 2:	36"	36"	24"	24"	24"	16"	16"	16"	16"
Zone 3:	36"	24"	24"	16"	16"	16"	16"	8"	8"

Use this load table for structures which meet the following criteria:

Are located in **B, C, or D exposure** area

Have either a **flat roof, or gable/hip roof** with **max slope of 45° (±12:12)**

Have a mean roof height of **30 feet or less**

FL42379.07: 24ga (min) 7/8" Corrugated on 15/32" (min)

plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	24"	24"	24"	16"	16"	16"	8"	8"	8"
Zone 2:	24"	16"	16"	16"	8"	8"	8"	8"	8"
Zone 3:	16"	16"	8"	8"	8"	8"	NR	NR	NR

Use this load table for structures which meet the following criteria:

Are located in **B, C, or D exposure** area

Have either a **hip roof** with **max slope of 45° (±12:12)**

or gable roof with **slope between 27° and 45° (±6.1:12 - 12:12)**

Have a mean roof height of **30 feet or less**

FL42379.07: 24ga (min) 7/8" Corrugated on 15/32" (min)

plywood

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	36"	24"	24"	24"	16"	16"	16"	8"	8"
Zone 2:	24"	16"	16"	16"	8"	8"	8"	8"	8"
Zone 3:	16"	16"	16"	8"	8"	8"	8"	NR	NR

Use this load table for structures which meet the following criteria:

Are located in **Exposure B** area

Have either a **flat roof, or gable/hip roof** with **max slope of 45° (±12:12)**

Have a mean roof height of **30 feet or less**

FL42379.07: 26ga (min) 7/8" Corrugated on 15/32" (min)

plywood or 7/16" (min) OSB

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	24"	24"	24"	16"	16"	16"	8"	8"	8"
Zone 2:	24"	16"	16"	16"	8"	8"	8"	8"	8"
Zone 3:	16"	16"	8"	8"	8"	8"	8"	NR	NR

Use this load table for structures which meet the following criteria:

Are located in **Exposure B** area

Have either a **hip roof** with **max slope of 45° (±12:12)**

or gable roof with **slope between 27° and 45° (±6.1:12 - 12:12)**

Have a mean roof height of **30 feet or less**

FL42379.07: 26ga (min) 7/8" Corrugated on 15/32" (min)

plywood or 7/16" (min) OSB

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	24"	24"	24"	24"	16"	16"	16"	8"	8"
Zone 2:	24"	24"	16"	16"	8"	8"	8"	8"	8"
Zone 3:	16"	16"	16"	8"	8"	8"	8"	8"	NR

Use this load table for structures which meet the following criteria:

Are located in **B, C, or D exposure** area

Have either a **flat roof, or gable/hip roof** with **max slope of 45° (±12:12)**

Have a mean roof height of **30 feet or less**

FL42379.07: 26ga (min) 7/8" Corrugated on 15/32" (min)

plywood or 7/16" (min) OSB

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	16"	16"	8"	8"	8"	8"	8"	NR	NR
Zone 2:	8"	8"	8"	8"	8"	NR	NR	NR	NR
Zone 3:	8"	8"	8"	NR	NR	NR	NR	NR	NR

Use this load table for structures which meet the following criteria:

Are located in **B, C, or D exposure** area

Have either a **hip roof** with **max slope of 45° (±12:12)**

or gable roof with **slope between 27° and 45° (±6.1:12 - 12:12)**

Have a mean roof height of **30 feet or less**

FL42379.07: 26ga (min) 7/8" Corrugated on 15/32" (min)

plywood or 7/16" (min) OSB

Wind	120	130	140	150	160	170	180	190	200
Zone 1:	16"	16"	16"	8"	8"	8"	8"	8"	NR
Zone 2:	16"	8"	8"	8"	8"	NR	NR	NR	NR
Zone 3:	8"	8"	8"	8"	NR	NR	NR	NR	NR

Locations and Trade Names

This product is manufactured by Cornerstone Building Brands by one or more of the following brands, and is distributed under one or more the trade names shown below. Each brand maintains a variety of manufacturing facilities and trade names, to include the ones noted here. Contact the manufacturers listed for the most up-to-date list of locations serving the Florida market.

**Corporate Headquarters**

5020 Weston Parkway | Cary, NC 27513

**PBC**

1601 Rogers Road | Adel, GA 31620



4020 SW 449 St | Horseshoe Beach, Florida 32648
6461 Topaz Court | Fort Myers, Florida 33966

**PBC**

1601 Rogers Rd | Adel, GA 31620

**7/8" Corrugated**

490 Oak Rd. | Ocala, FL 34472
3365 US Hwy. 41 South | Tifton, GA 31794

Certification of Independence:

David Eng, PE and Timberlake Cove, LLC do not have, nor will acquire a financial interest in any company manufacturing or distributing products under this evaluation. The same entities do not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.

Exclusions and Limitations:

Design of deck and roof structure (to include attachment of plywood or wood plank) shall be completed by others. Fire classification and shear diaphragm design are outside the scope of this evaluation. Accelerated weathering/salt spray is outside the scope of this evaluation.

This report is limited to compliance with structural wind load requirements of FBC 1504.3.2, as required by Rule 61G20-3. Neither Timberlake Cove nor the manufacturer shall be responsible for any conclusions, interpretations, or designs made by others based on this evaluation report. This report is limited solely to documenting compliance with Rule 61G20-3, and makes no express or implied warranty regarding performance of this product. Installation shall be subject to the local building code and authority having jurisdiction; this report shall not be construed to supersede local codes in force.



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

Dryvit Systems, Inc.
One Energy Way
West Warwick, RI 02893

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: Outsulation and Outsulation Plus MD EIF Systems over Concrete/Concrete Blocks

APPROVAL DOCUMENT: Drawing No. **OSOPLCONCBK**, titled "Outsulation System or Outsulation Plus MD System over Concrete or Concrete Block", sheets 1 through 3 of 3, dated 10/08/2009, prepared by Dryvit Systems, Inc, signed and sealed by Scott Wolters, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein. Each container (bucket or drum) needs to be labeled. Unit is further defined as each roll of reinforcing mesh.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 21-0521.07** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



Ishaq I. Chanda

NOA No. 22-0225.01
Expiration Date: August 15, 2023
Approval Date: June 02, 2022
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs

A. DRAWINGS “Submitted under NOA # 10-0209.11”

1. Drawing No. **OSOPLCONCBLK**, titled “Outsulation System or Outsulation Plus MD System over Concrete or Concrete Block”, sheets 1 through 3 of 3, dated 10/08/2009, prepared by Dryvit Systems, Inc, signed and sealed by Scott Wolters, P.E.

B. TESTS “Submitted under NOA # 10-0209.11”

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
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Dryvit Outsulation Plus MD System over Concrete Masonry, prepared by Hurricane Test Laboratory, LLC, Test Report No. **G387-0701-09**, dated 12/01/2009, signed and sealed by Vinu J. Abraham, P.E.

“Submitted under NOA # 08-0729.13”

2. Test report on Tensile Bond per ASTM C297 of Dryvit Primus (P) Mixture to Various Substrates, prepared by ETC Laboratories, Test Report No. **ETC-06-1059-18353.1**, dated 12/01/2006, signed and sealed by Joseph L. Doldan, P.E.
3. Test report on Tensile Bond per ASTM C297 of Dryvit Primus (P) Mixture to Dryvit Backstop NT, prepared by ETC Laboratories, Test Report No. **ETC-06-1059-18354.1**, dated 12/05/2006, signed and sealed by Joseph L. Doldan, P.E.
4. Test report on Tensile Bond per ASTM C297 of Dryvit Genesis (G) Mixture to Various Substrates, prepared by ETC Laboratories, Test Report No. **ETC-06-1059-18355.1**, dated 12/01/2006, signed and sealed by Joseph L. Doldan, P.E.
5. Test report on Tensile Bond per ASTM C297 of Dryvit Genesis (G) Mixture to Dryvit Backstop NT, prepared by ETC Laboratories, Test Report No. **ETC-06-1059-18356.1**, dated 12/05/2006, signed and sealed by Joseph L. Doldan, P.E.
6. Test report on Tensile Bond per ASTM C297 of Dryvit Genesis DM (GDM) Mixture to Various Substrates, prepared by ETC Laboratories, Test Report No. **ETC-06-1059-18357.1**, dated 12/05/2006, signed and sealed by Joseph L. Doldan, P.E.

“Submitted under NOA # 08-0729.13”

7. Test report on Tensile Bond per ASTM C297 of Dryvit Genesis (DM) to Dryvit Backstop NT to Various Substrates, prepared by ETC Laboratories, Test Report No. **ETC-06-1059-18358.1**, dated 12/05/2006, signed and sealed by Joseph L. Doldan, P.E.
8. Test report on Tensile Bond per ASTM C297 of Dryvit Backstop NT to Various Substrates, prepared by ETC Laboratories, Test Report No. **ETC-06-1059-18360.1**, dated 12/05/2006, signed and sealed by Joseph L. Doldan, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 22-0225.01
Expiration Date: August 15, 2023
Approval Date: June 02, 2022

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. None.

F. STATEMENTS “Submitted under NOA # 15-0929.20”

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Wolters Engineering, dated 09/10/2015, signed and sealed by Scott Wolters, P.E.

“Submitted under NOA # 12-0703.03”

2. Statement letter of code conformance to 2010 FBC issued by Wolters Engineering, dated 06/27/2012, signed and sealed by Scott Wolters, P.E.

2. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs

A. DRAWINGS

1. None.

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. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th Edition (2017) FBC issued by Wolters Engineering, dated 07/12/2017, signed and sealed by Scott Wolters, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 22-0225.01
Expiration Date: August 15, 2023
Approval Date: June 02, 2022

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **OSOPLCONCBLK**, titled "Outsulation System or Outsulation Plus MD System over Concrete or Concrete Block", sheets 1 through 3 of 3, dated 10/08/2009, prepared by Dryvit Systems, Inc, signed and sealed by Scott Wolters, 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. None.

F. STATEMENTS

1. Statement letter of code conformance to the 7th Edition (2020) FBC issued by Wolters Engineering, dated May 10, 2021, signed and sealed by Scott Wolters, P.E.

G. OTHER

1. This NOA revises NOA # 17-0807.13, expiring 08/15/2022.

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **OSOPLCONCBLK**, titled "Outsulation System or Outsulation Plus MD System over Concrete or Concrete Block", sheets 1 through 3 of 3, dated 10/08/2009, prepared by Dryvit Systems, Inc, signed and sealed by Scott Wolters, 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. None.

F. STATEMENTS

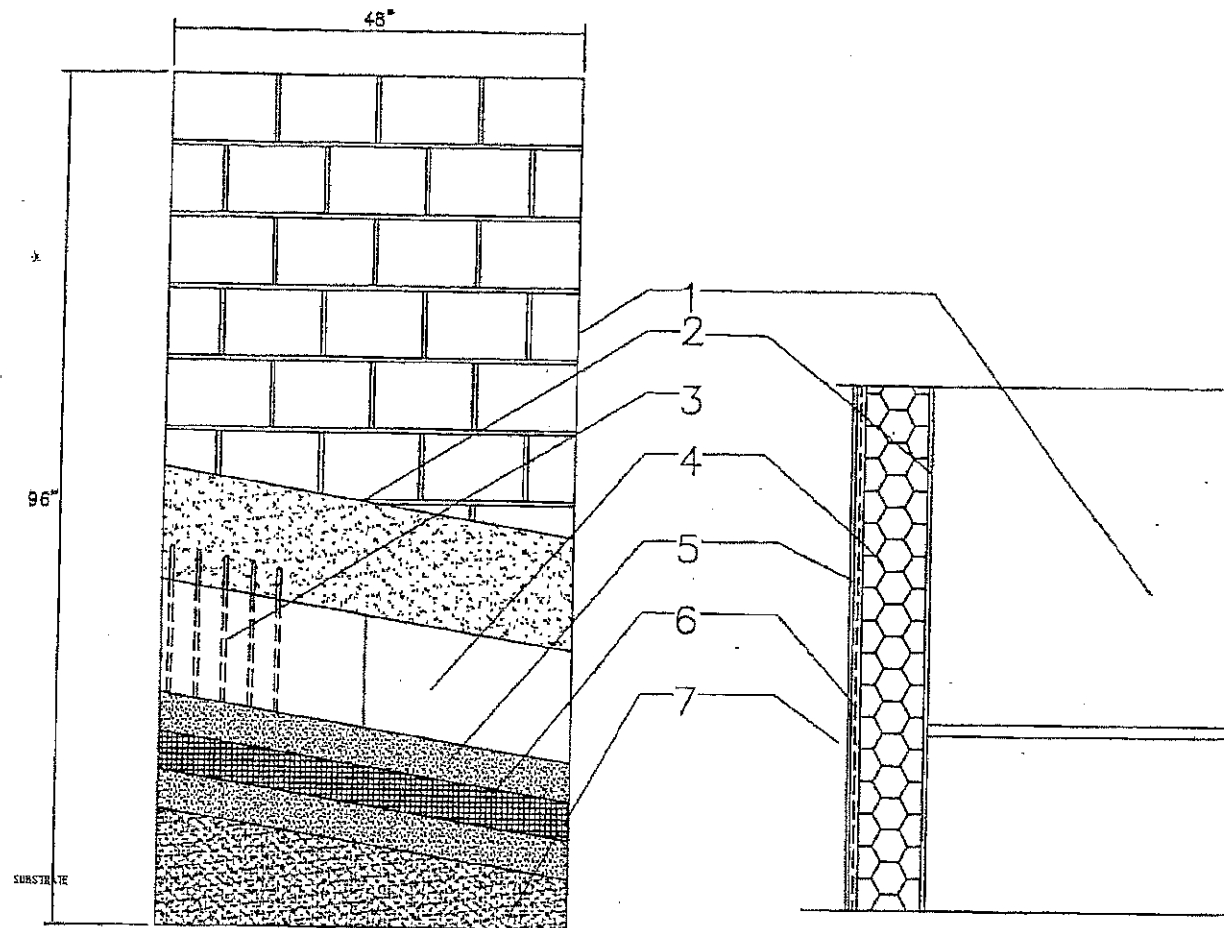
1. Statement letter of code conformance to the 7th Edition (2020) FBC issued by Wolters Engineering, dated May 10, 2021, signed and sealed by Scott Wolters, P.E.
2. e-mail statement request dated 05/24/22, by Dryvit system Inc., for one year renewal, while retest & name change under progress, signed by John Croyle, Tech Specialist (Tremco).

G. OTHER

1. This NOA renews NOA # 21-0521.07, expiring 08/15/2023.

Ishaq I. Chanda
Product Control Unit Supervisor
NOA No. 22-0225.01
Expiration Date: August 15, 2023
Approval Date: June 02, 2022

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 22-0225.01
Expiration Date 08/15/2023
By Ishag I. Chanda
Miami-Dade Product Control



MATERIAL LIST

- ① CONCRETE WALL (ACI 318) CONCRETE MASONRY STRUCTURE (ASTM C90) AND TYPE S MORTAR (ASTM C270) COMPLYING WITH S.F.B.C.
- ② DRYVIT BACKSTOP® NT REQUIRED FOR OUTSULATION PLUS MD SYSTEM
- ③ ADHERE THE EXPANDED POLYSTYRENE (EPS) INSULATION BOARD WITH DRYVIT'S PRIMUS®, GENESIS® OR GENESIS® DM MIXTURE. PRIMUS IS AN ACRYLIC MODIFIED PRODUCT AND GENESIS IS AN ACRYLIC MODIFIED FIBER REINFORCED BASED PRODUCT. THEY ARE MIXED 1:1 BY WEIGHT WITH PORTLAND CEMENT AND WATER. GENESIS DM IS A DRYMIX POLYMER MODIFIED CEMENTITIOUS FIBER REINFORCED MATERIAL WHICH IS MIXED WITH WATER. THE ADHESIVE IS APPLIED WITH A 3/8" X 1/2" NOTCHED TROWEL WITH NOTCHES SPACED A MAXIMUM OF 1 1/2" O.C. THE ADHESIVE SHALL BE APPLIED TO THE BACK OF THE INSULATION BOARD SO THAT THE BEADS RUN VERTICALLY WHEN THE INSULATION BOARD IS PLACED ON THE WALL
- ④ MINIMUM 1" THICK INSULATION BOARD MEETING DRYVIT SPECIFICATION DS 131. INSULATION BOARD SUPPLIER SHALL POSSESS A CURRENT NOA WITH MIAMI DADE COUNTY
- ⑤ DRYVIT BASE COAT: PRIMUS®, GENESIS®, OR GENESIS® DM; PRIMUS OR GENESIS IS MIXED 1:1 BY WEIGHT WITH PORTLAND CEMENT AND WATER. PRIMUS AND GENESIS ARE 100 PERCENT ACRYLIC MODIFIED PRODUCTS. GENESIS DM IS A DRY MIX THAT IS MIXED WITH WATER
- ⑥ DRYVIT'S STANDARD REINFORCING MESH: 4.3 OZ/SQ. YD FIBERGLASS REINFORCING MESH EMBEDDED IN THE DRYVIT BASE COAT. THE STANDARD REINFORCING MESH SHALL BE LAPPED A MINIMUM OF 2 1/2" AT ALL EDGES.
- ⑦ DRYVIT FINISH: A 100 PERCENT ACRYLIC BASED MATERIAL AVAILABLE IN VARIOUS TEXTURES.

GENERAL NOTES

1. THE SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA BUILDING CODE INCLUDING THE LATEST SUPPLEMENTS.
2. THIS SYSTEM SHALL BE APPLIED BY A LICENSED PLASTERING CONTRACTOR FOLLOWING THIS NOTICE OF ACCEPTANCE THE RECOMMENDATION OF DRYVIT SYSTEMS, INC. AND THE APPLICABLE SECTIONS OF THE FLORIDA BUILDING CODE.
3. THE ENGINEER AND/OR ARCHITECT OF RECORD FOR EACH PROJECT USING THE SYSTEM SHALL DESIGN THE CONCRETE OR BLOCK WALL TO ENSURE CONFORMANCE WITH ALL GOVERNING CODES AND THIS DOCUMENT
4. INSULATION BOARDS SHALL BE POSITIONED IN A RUNNING BOND PATTERN.
5. THE CONCRETE OR BLOCK WALL SURFACE SHALL BE DRY CLEAN AND FREE OF ALL LOOSE DEBRIS PRIOR TO PLACING THE SYSTEM
6. DETAILS ON SHEETS 2 AND 3 OF 3 ARE TYPICAL AND SHOW INTENT TO PREVENT WATER INFILTRATION INTO AND BEHIND THIS SYSTEM. ALTERNATE DETAILS AND SPECIFIC CONDITIONS NOT COVERED BY THE TYPICAL DETAILS ARE THE RESPONSIBILITY OF THE LICENSED DESIGN PROFESSIONALS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 12-0703.03
Expiration Date 08/15/2017
By [Signature]
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-0249.11
Expiration Date 08/15/2017
By [Signature]
Miami-Dade Product Control
Division

DESIGN PRESSURE

±160 PSF

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0521.07
Expiration Date 08/15/2022
By Ishag I. Chanda
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 17-0807.13
Expiration Date 08/15/2022
By [Signature]
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 17-0531.03
Expiration Date 08/15/2022
By [Signature]
Miami-Dade Product Control

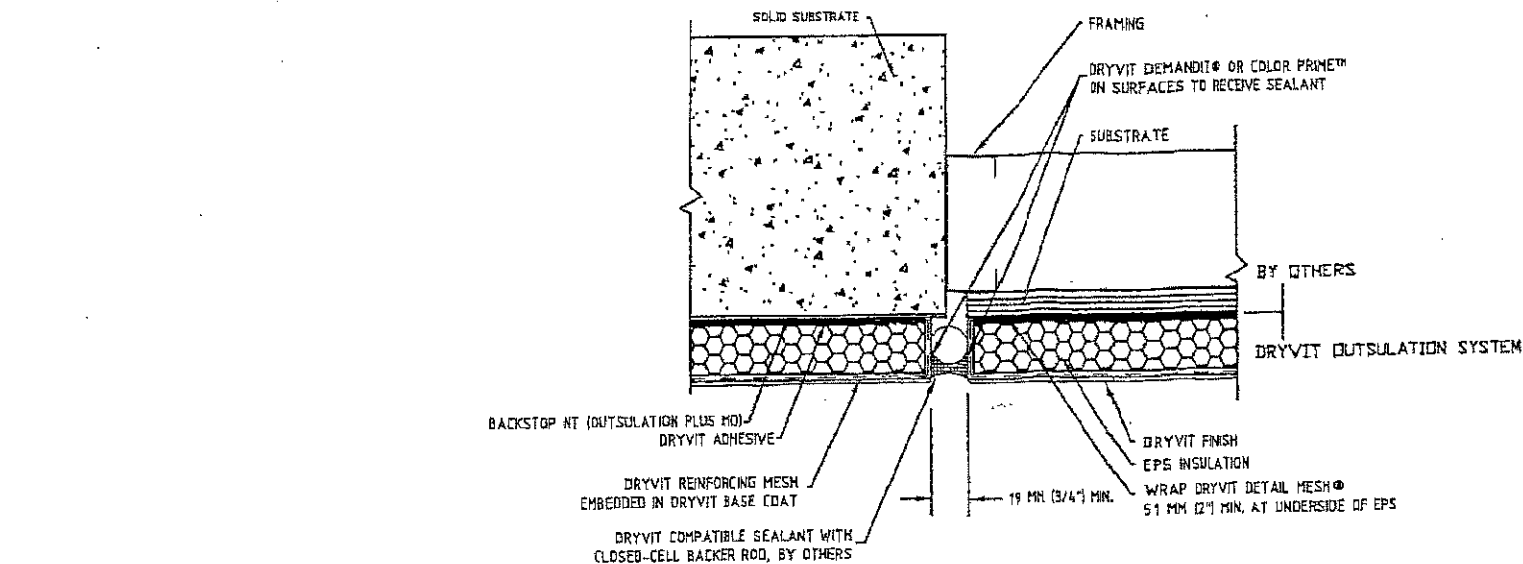
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0929.20
Expiration Date 08/15/2017
By [Signature]
Miami-Dade Product Control

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
PH/FAX: (954) 921-5828

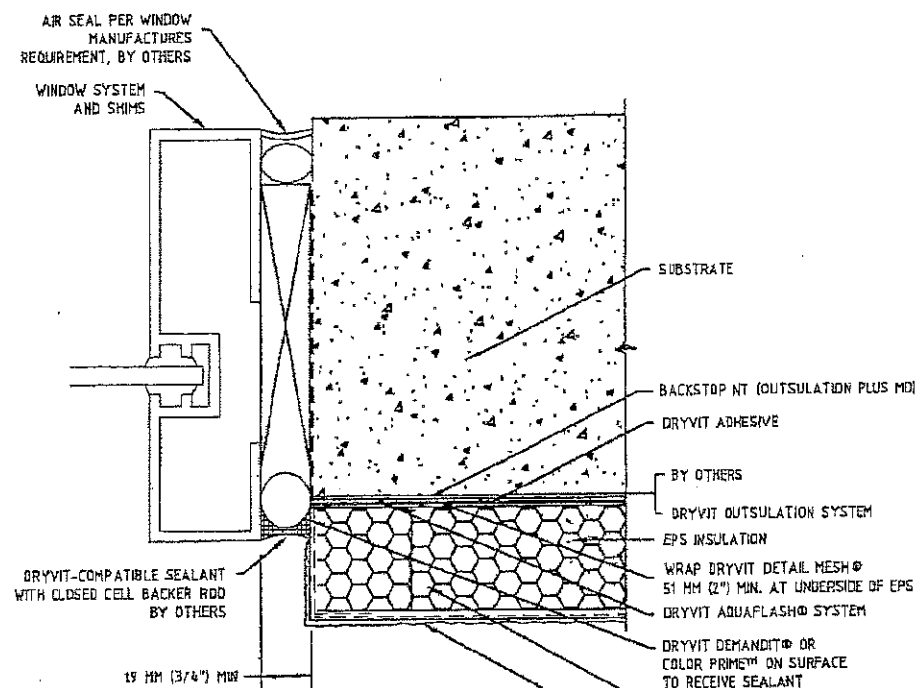
SEAL: [Signature]
1-15-10

DRYVIT SYSTEMS, INC. dryvit
One Energy Way
West Warwick, Rhode Island
DWG. NO.: 050PLCONGBLK
SHEET NO: 1 OF 3
ISSUE DATE: 10/08/09
REV DATE:
OUTSULATION® SYSTEM OR OUTSULATION® PLUS MD SYSTEM® OVER CONCRETE OR CONCRETE BLOCK

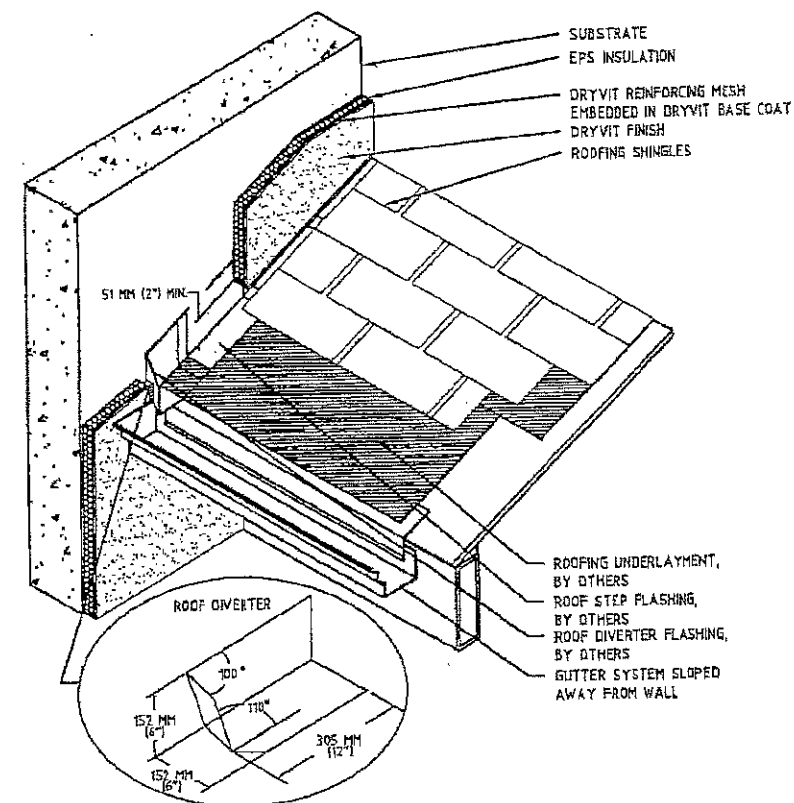
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 22-0225.01
Expiration Date 08/15/2023
By Ishag I. Chanda
Miami-Dade Product Control



EXPANSION JOINT



JAMB TERMINATION



TERMINATION AT SLOPED ROOF

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-0703.03
Expiration Date 08/15/2017
By [Signature]
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 10-0209.11
Expiration Date 08/15/2012
By [Signature]
Miami-Dade Product Control
Division

DESIGN PRESSURE
± 160 PSF

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0521.07
Expiration Date 08/15/2022
By Ishag I. Chanda
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 17-0807.13
Expiration Date 08/15/2022
By [Signature]
Miami-Dade Product Control

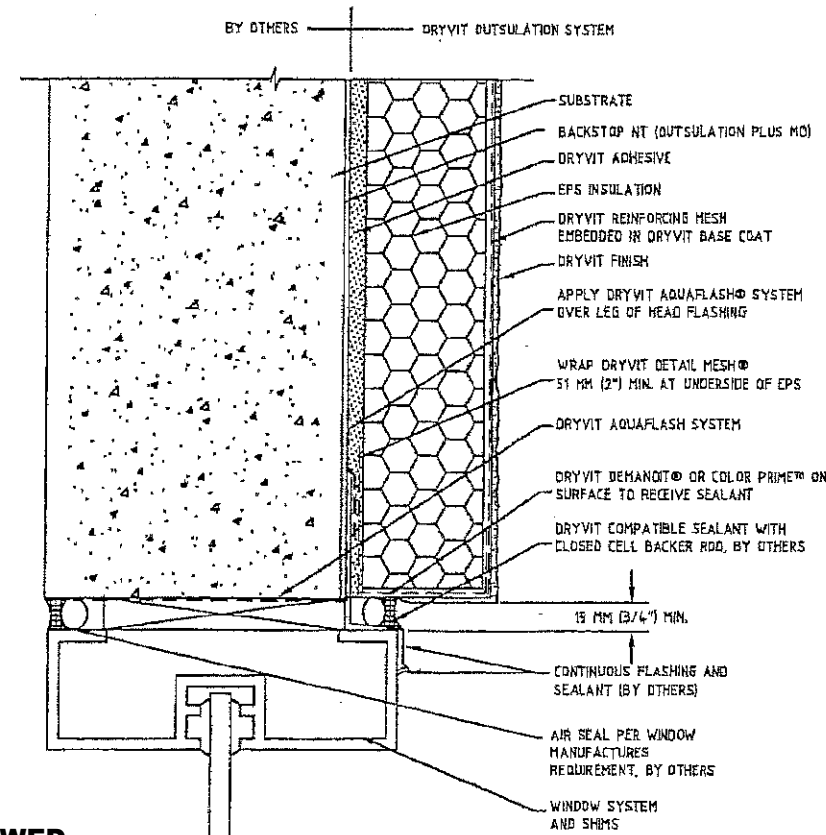
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 17-0531.03
Expiration Date 08/15/2022
By [Signature]
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0929.20
Expiration Date 08/15/2017
By [Signature]
Miami-Dade Product Control

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
PH/FAX: (954) 921-5828

SEAL: [Signature]
1-15-10

DRYVIT SYSTEMS, INC. dryvit®
One Energy Way
West Warwick, Rhode Island
DWG. NO.: OSOPLCONCBLK
SHEET NO: 2 OF 3
ISSUE DATE: 10/08/09
REV. DATE:
OUTSULATION SYSTEM OR OUTSULATION PLUS MD SYSTEM
OVER CONCRETE OR CONCRETE BLOCK

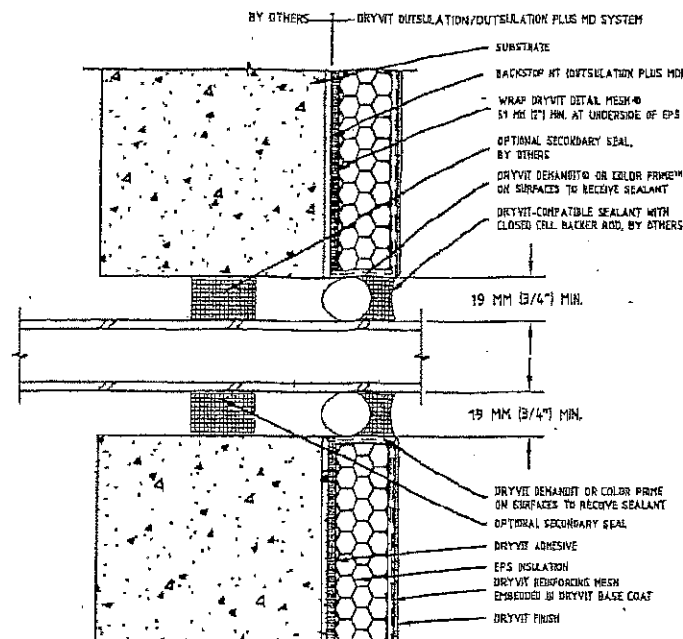


HEAD TERMINATION

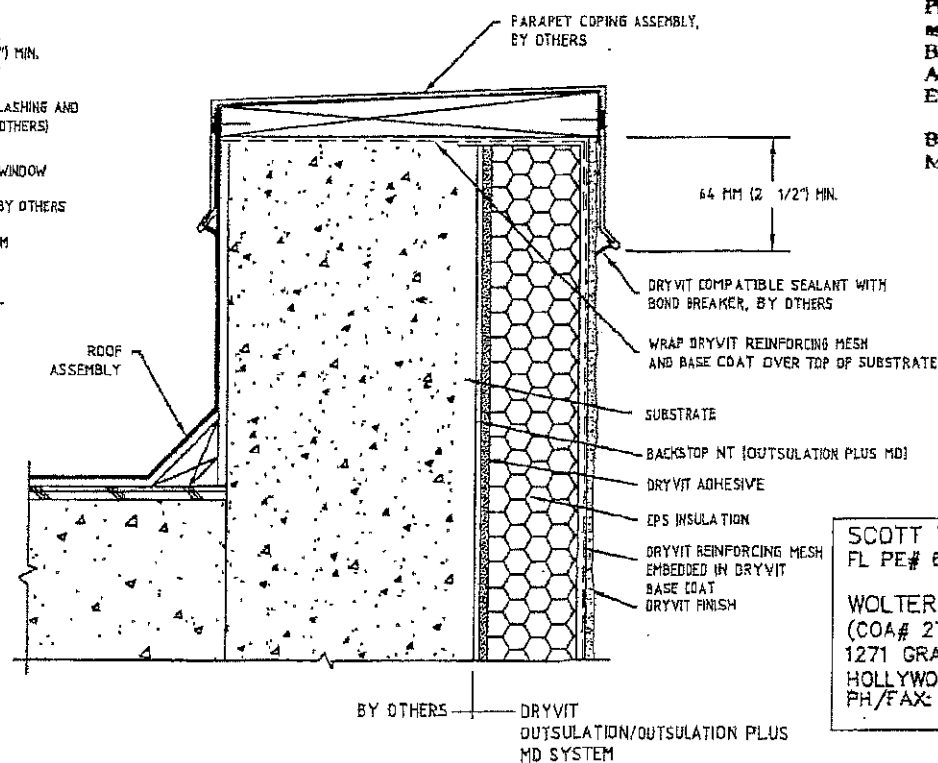
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 22-0225.01
Expiration Date 08/15/2023
By Ishag I. Chanda
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 21-0521.07
Expiration Date 08/15/2022
By Ishag I. Chanda
Miami-Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 17-0531.03
Expiration Date 08/15/2022
By [Signature]
Miami-Dade Product Control

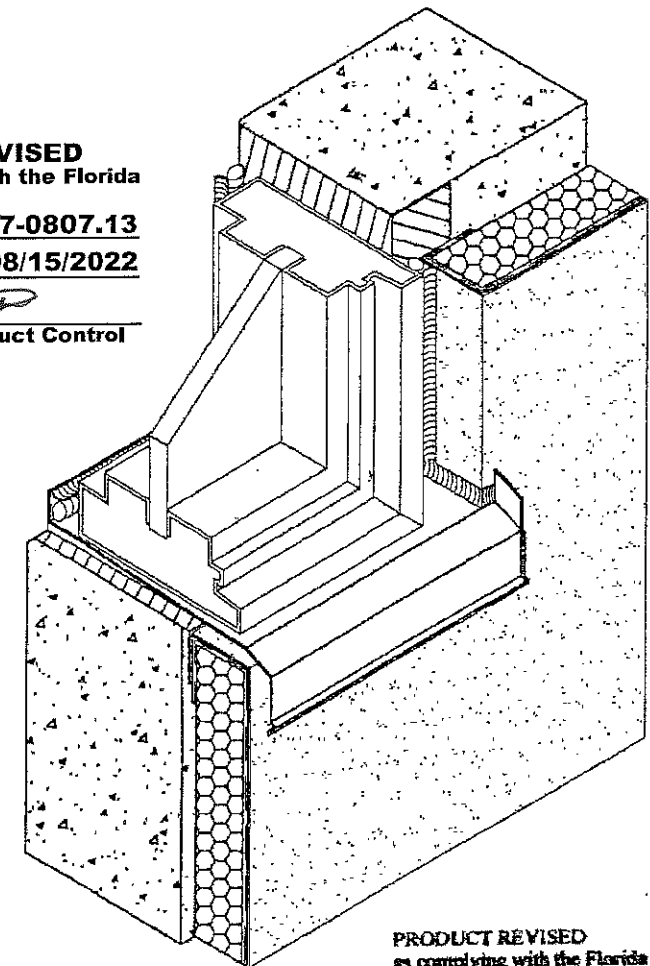


PENETRATIONS



PARAPET

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 17-0807.13
Expiration Date 08/15/2022
By [Signature]
Miami-Dade Product Control



WINDOW OPENING

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-0703.03
Expiration Date 03/15/2017
By [Signature]
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0929.20
Expiration Date 03/15/2017
By [Signature]
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 10-0209.11
Expiration Date 03/15/2012
By [Signature]
Miami-Dade Product Control
Division

DESIGN PRESSURE
± 160 PSF

SCOTT WOLTERS
FL PE# 62354
WOLTERS ENGINEERING
(COA# 27194)
1271 GRANT STREET
HOLLYWOOD, FL 33019
PH/FAX: (954) 921-5828

SEAL: Scott Wolters

1-15-10

DRYVIT SYSTEMS, INC.
One Energy Way
West Warwick, Rhode Island
DWG. NO.: 050PLCONCBLK

dryvit

SHEET NO. 3 OF 3
ISSUE DATE: 10/08/09
REV. DATE: [Signature]
OUTSULATION SYSTEM OR OUTSULATION PLUS MD SYSTEM
OVER CONCRETE OR CONCRETE BLOCK



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

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

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

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.F.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/ft² @ **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** (8th 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.



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

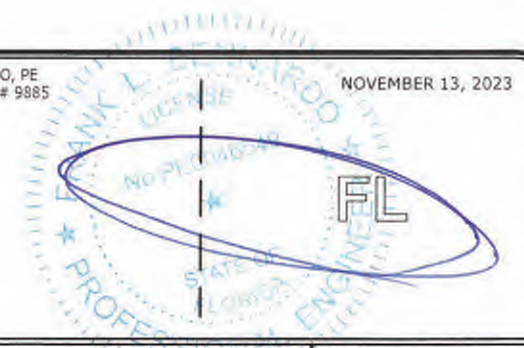
FRANK BENNARDO, PE
PE# 0046549 CA# 9885

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



GENERAL NOTES:

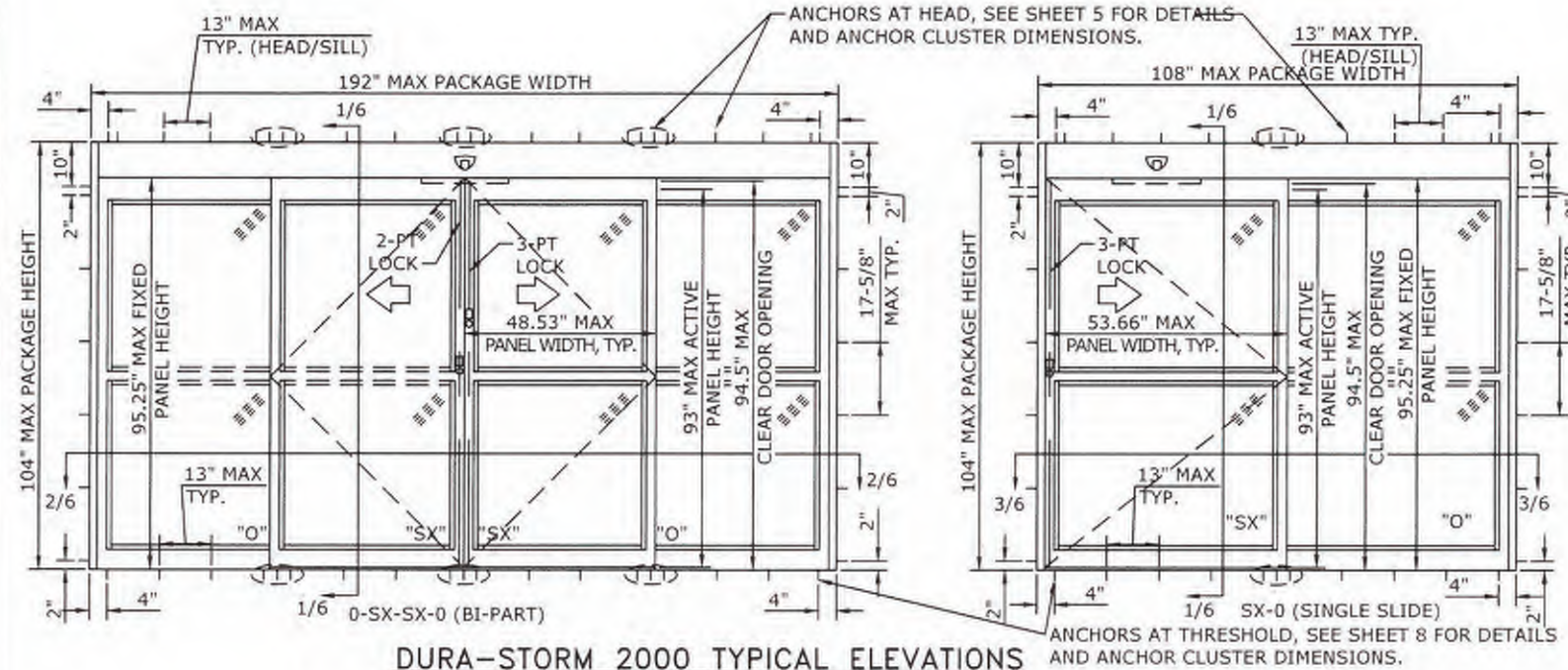
- DOORS HAVE BEEN TESTED & DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) HIGH VELOCITY HURRICANE ZONE (HVHZ) AND MIAMI-DADE COUNTY PROTOCOLS TAS 201 FOR LARGE MISSILE IMPACT, TAS 202 FOR UNIFORM STATIC AIR PRESSURE AND TAS 203 FOR CYCLIC WIND LOADING.
- 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 $C_d = 1.6$ 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:
ALLEGIION 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:

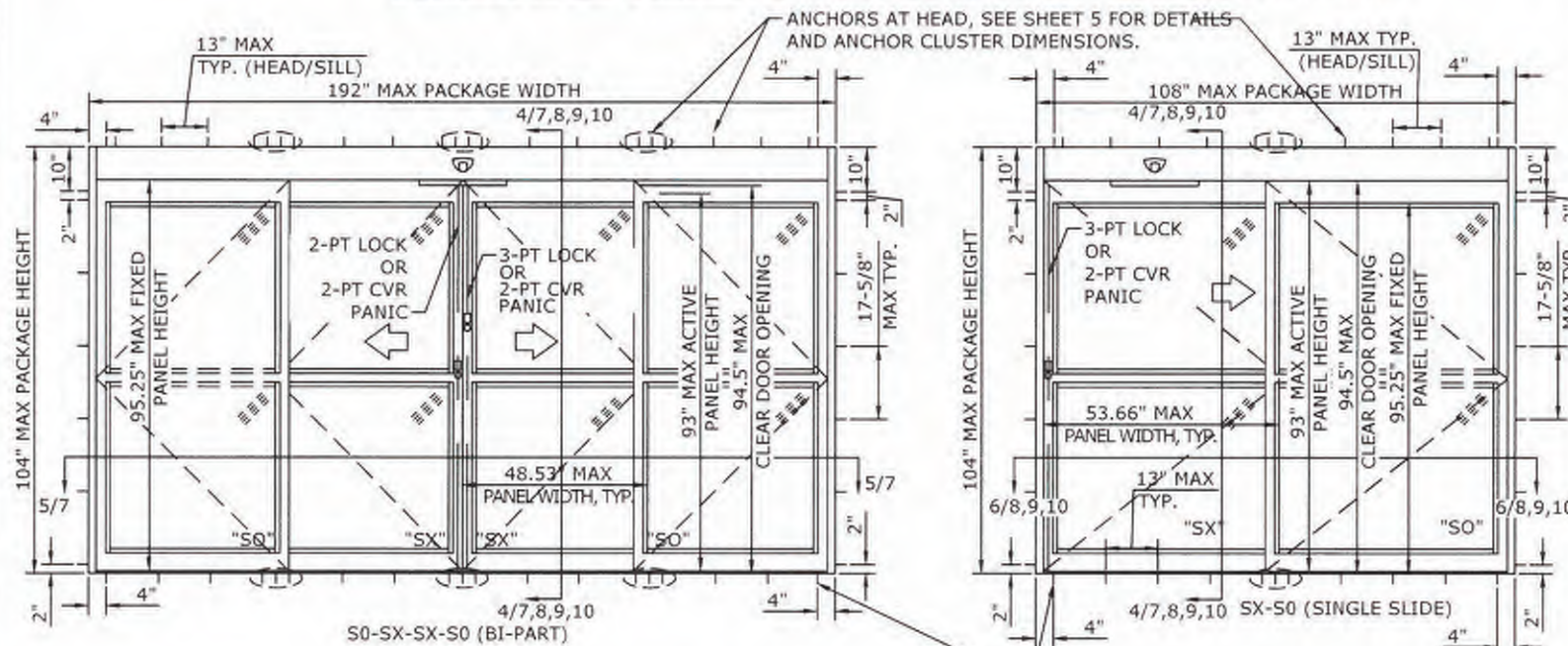
- ALL ALUMINUM PARTS SHALL BE 6063-T6 ALUMINUM ALLOY AND TEMPER, UNLESS OTHERWISE NOTED.
- GLAZING 9/16" LAMINATED IMPACT RATED OR 1-1/8" INSULATED LAMINATED RATED (SEE GLAZING DETAILS SHEET 13)
- CORNER PANEL CONSTRUCTION: PANEL CORNERS ARE BUTT JOINED, SECURED WITH FULL WIDTH 5/16" THREADED TIE RODS 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:
7.1. 3000 SERIES WITH STANDARD PANIC RELEASE, REQUIRES 2" OR 4 1/4" MUNTIN.
7.2. MUNTIN OPTIONS WITHOUT PANIC INCLUDE, 2", 4 1/4", OR NONE.
7.3. 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



DURA-STORM 2000 TYPICAL ELEVATIONS



DURA-STORM 3000 TYPICAL ELEVATIONS

ANCHORS AT THRESHOLD, SEE SHEET 8 FOR DETAILS
AND ANCHOR CLUSTER DIMENSIONS.

NOA# 23-0531.02

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

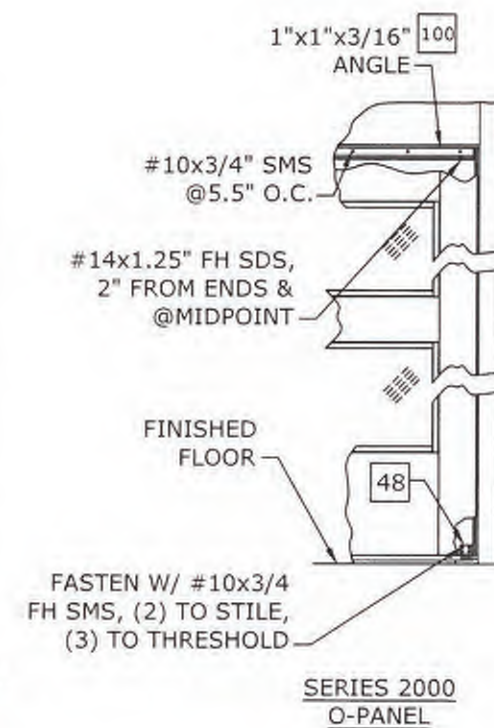
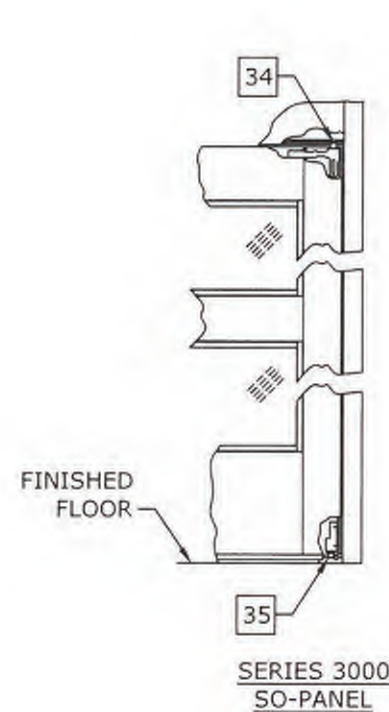
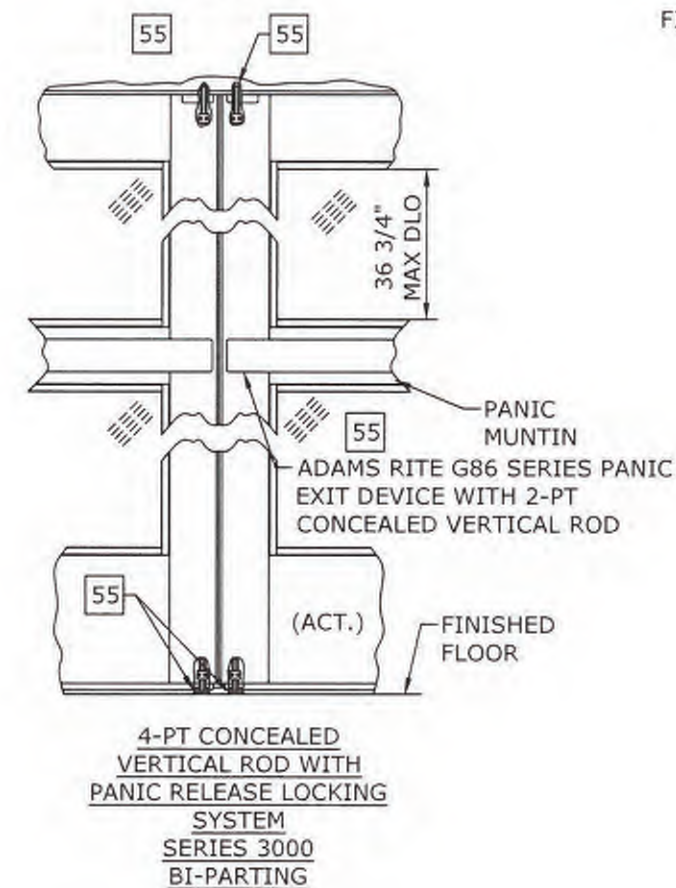
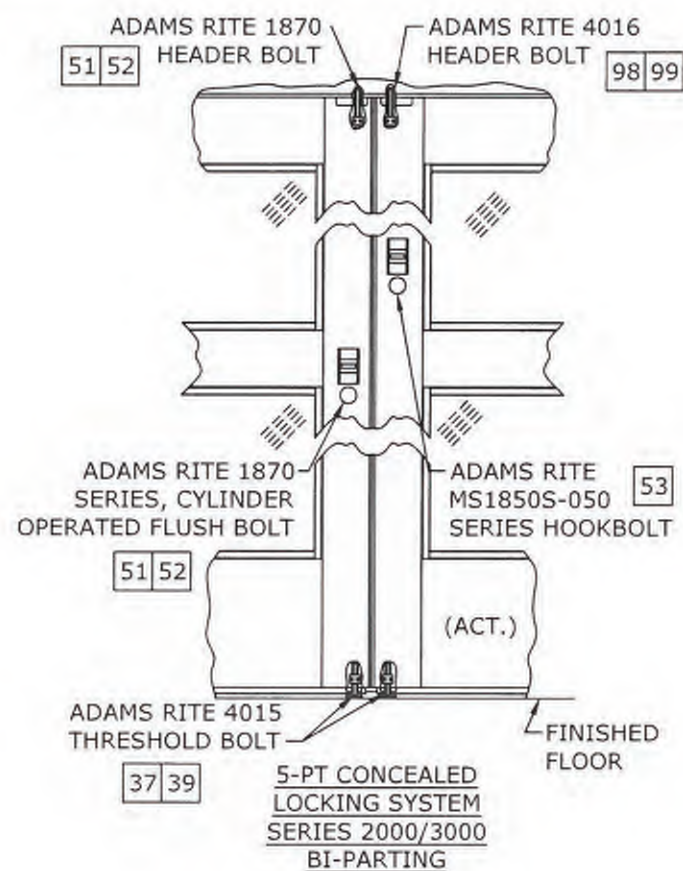
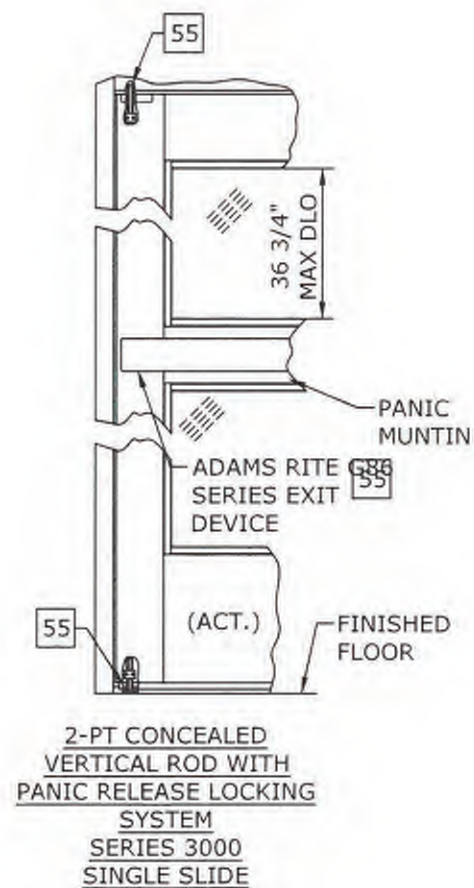
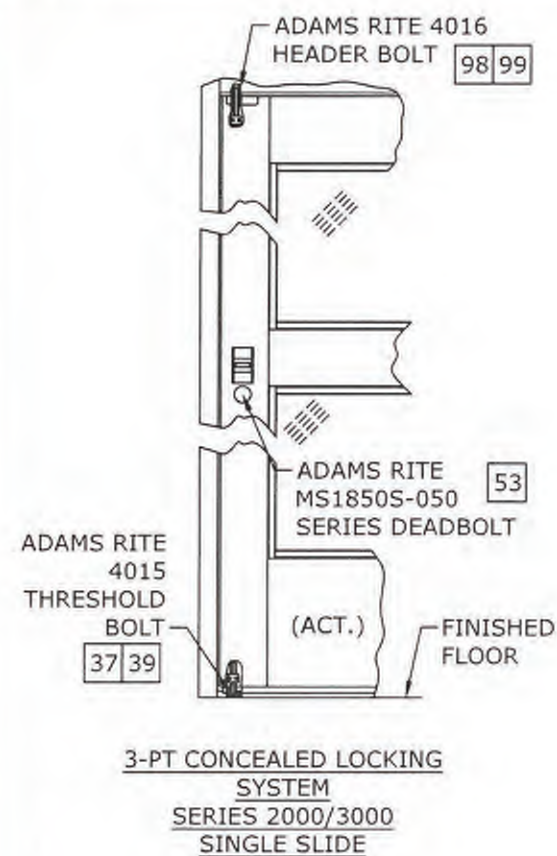
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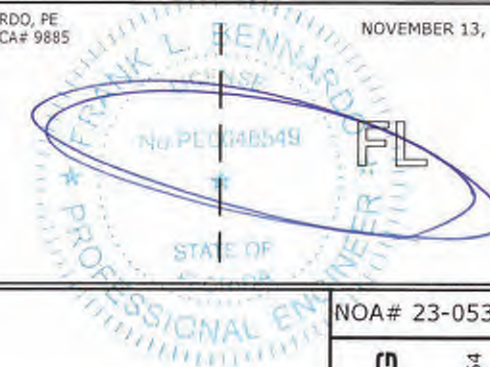
DURA-STORM SERIES 2000/3000 LOCKING ARRANGEMENTS



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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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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
11/13/23	SO	RS	

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DURA-STORM SERIES 2000 ELEVATION AND PLAN

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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

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 BI-PART AVAILABLE PACKAGE WIDTH INFORMATION						
PACKAGE WIDTH	ROUGH OPENING	STILE TYPE	NOMINAL CLEAR DOOR OPENING	NOMINAL PANEL WIDTH (SX)	NOMINAL PANEL WIDTH (O)	CAULKING ALLOWANCE
192.0"	192.5"	NARROW	82.55"	48.5"	48.1"	1/4" / SIDE
192.0"	192.5"	MEDIUM	78.25"	49.4"	49.4"	1/4" / SIDE

SERIES 2000 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"

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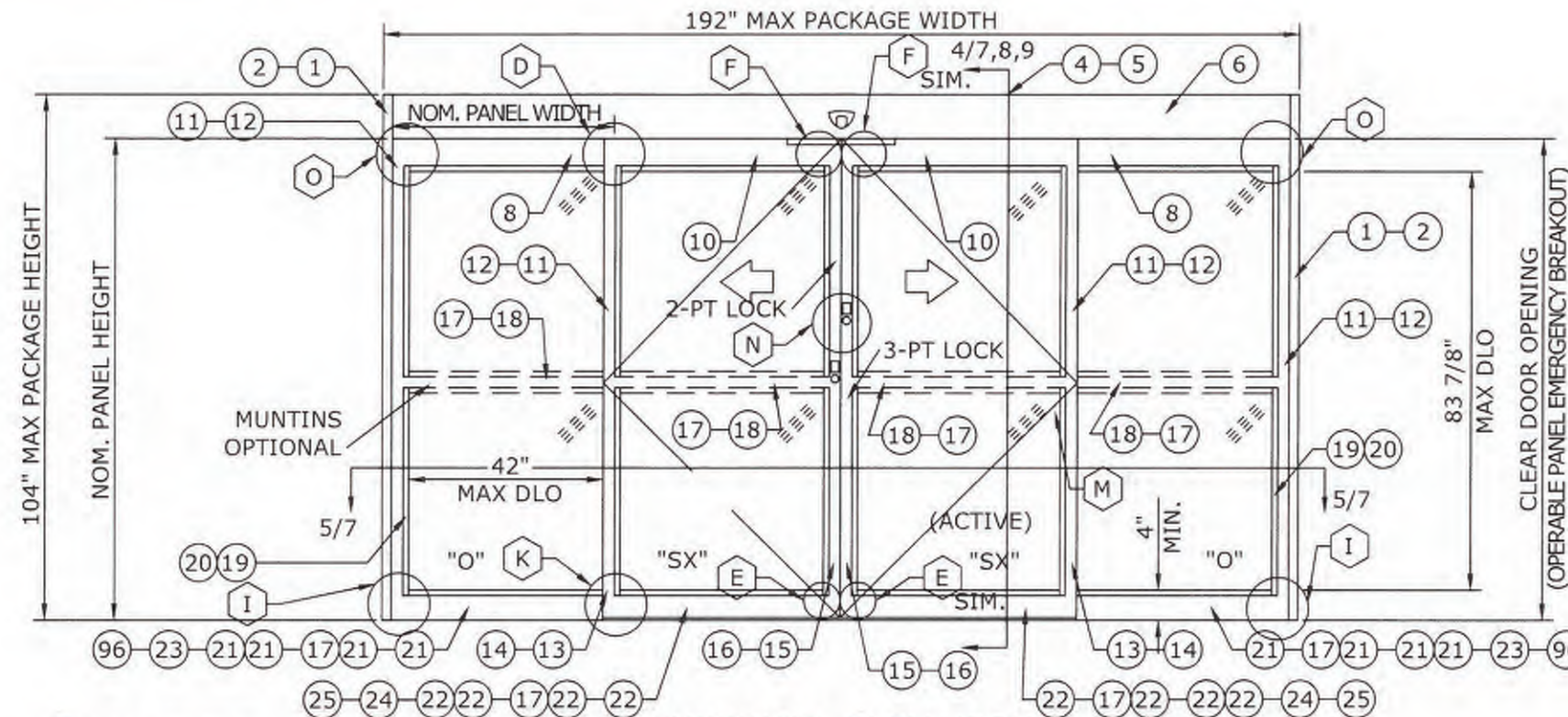
ALLEGION ACCESS TECHNOLOGIES, LLC
65 SCOTT SWAMP ROAD
FARMINGTON, CT 06032
SERIES "DURA-STORM 2000/3000"
BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMT (MISSILE LEVEL D)
MIAMI-DADE PRODUCT APPROVAL

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

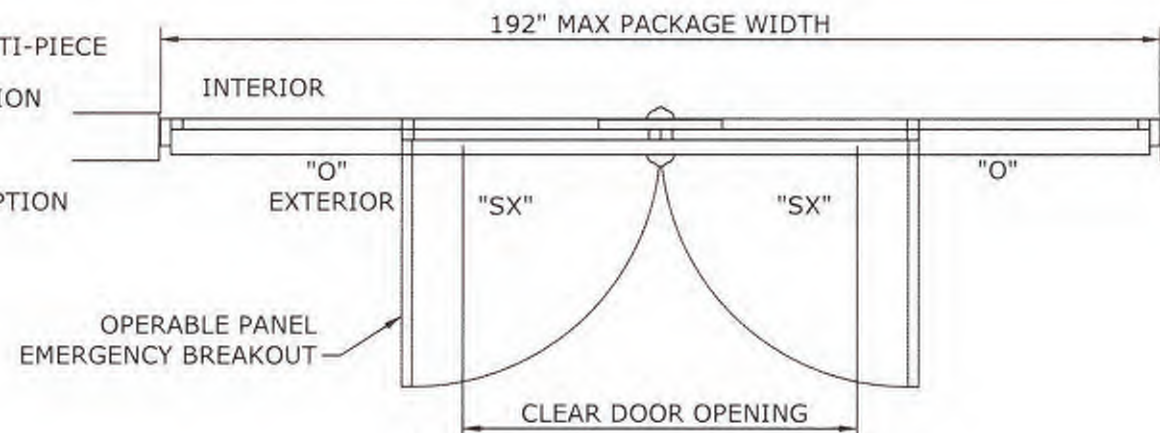
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SCALE: NTS UNLESS NOTED

03 OF 17



- (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



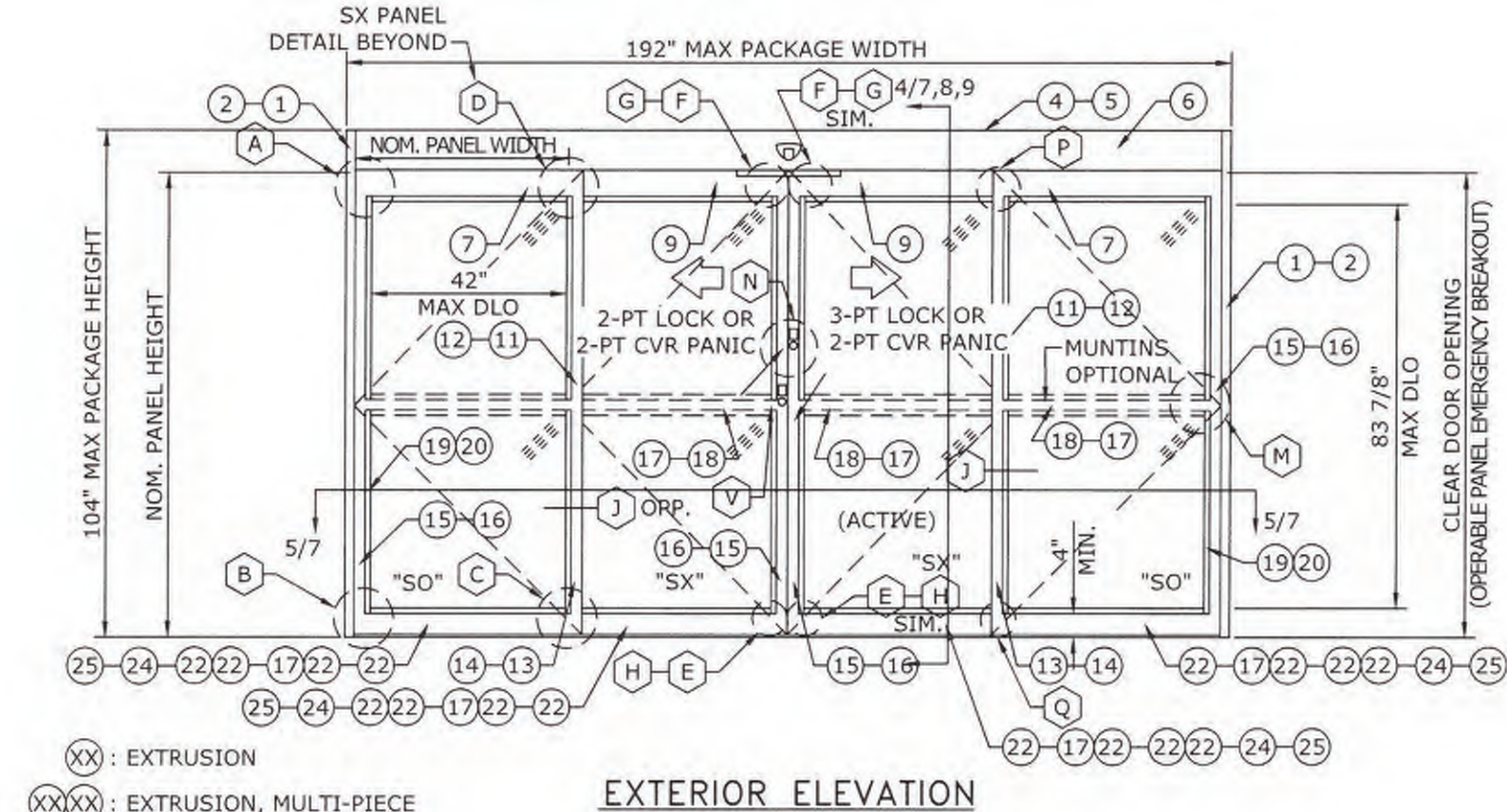
- NOTES:**
1. TYPICAL DOOR SHOWN. RAIL OPTIONS AVAILABLE AS INDICATED. NARROW STILES ARE BASIS FOR TESTING FOR ALL DOORS. MEDIUM STILES CONSIDERED EQUIVALENT TO OR BETTER THAN NARROW STILES.
 2. HORIZONTAL MUNTIN BAR REQUIRED.
 3. 5-POINT LOCKING STANDARD (3-PT ACTIVE & 2-PT ACTIVE).
 4. PRODUCT SHALL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

DURA-STORM SERIES 3000 ELEVATION AND PLAN

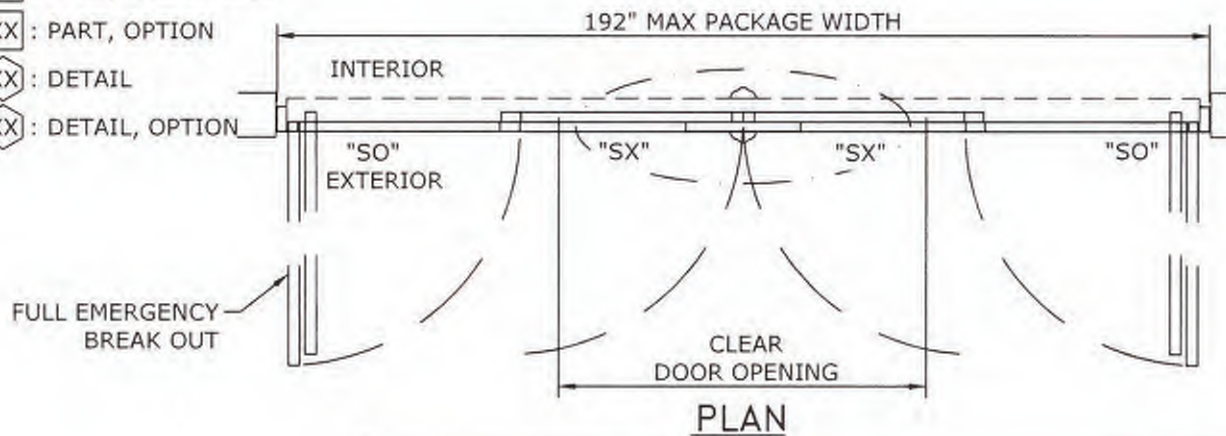
PRODUCT APPROVED
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NOA-No. 23-0531.02
Approval Date 02/22/2029
By 
Miami-Dade Product Control

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

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



- 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:**
1. 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.
 2. HORIZONTAL MUNTIN BAR REQUIRED.
 3. 5-POINT LOCKING STANDARD (3-PT ACTIVE & 2-PT ACTIVE).
 4. PRODUCT SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH PRODUCT APPROVALS.
 5. SEE SHEETS 6 THROUGH 11 FOR REQUIRED ANCHORAGE.
 6. SEE SHEET 13 FOR GLAZING DETAILS.

<u>DESIGN RATINGS</u>		
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"

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FARMINGTON, CT 06032

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

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

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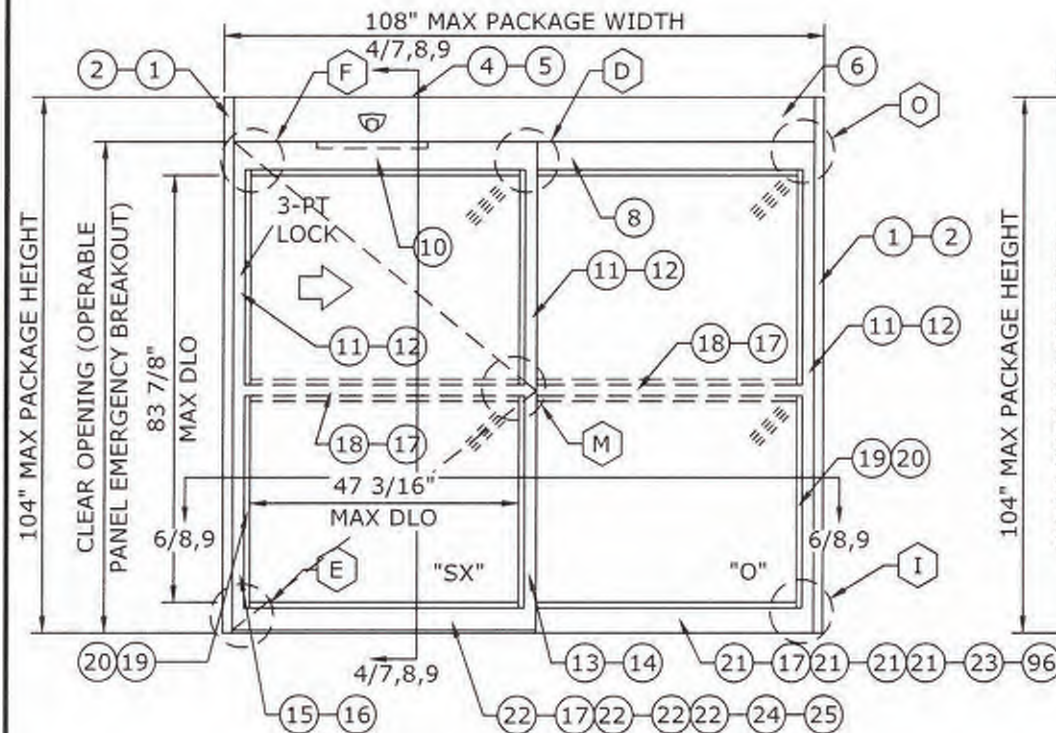
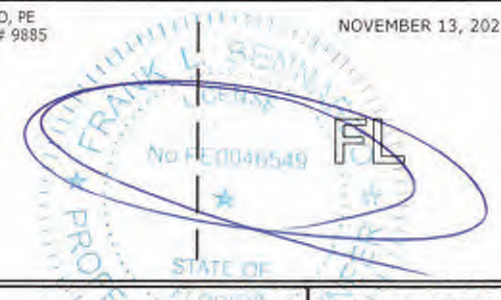
04 of 17

DURA-STORM SERIES 2000/3000 ELEVATION AND PLAN

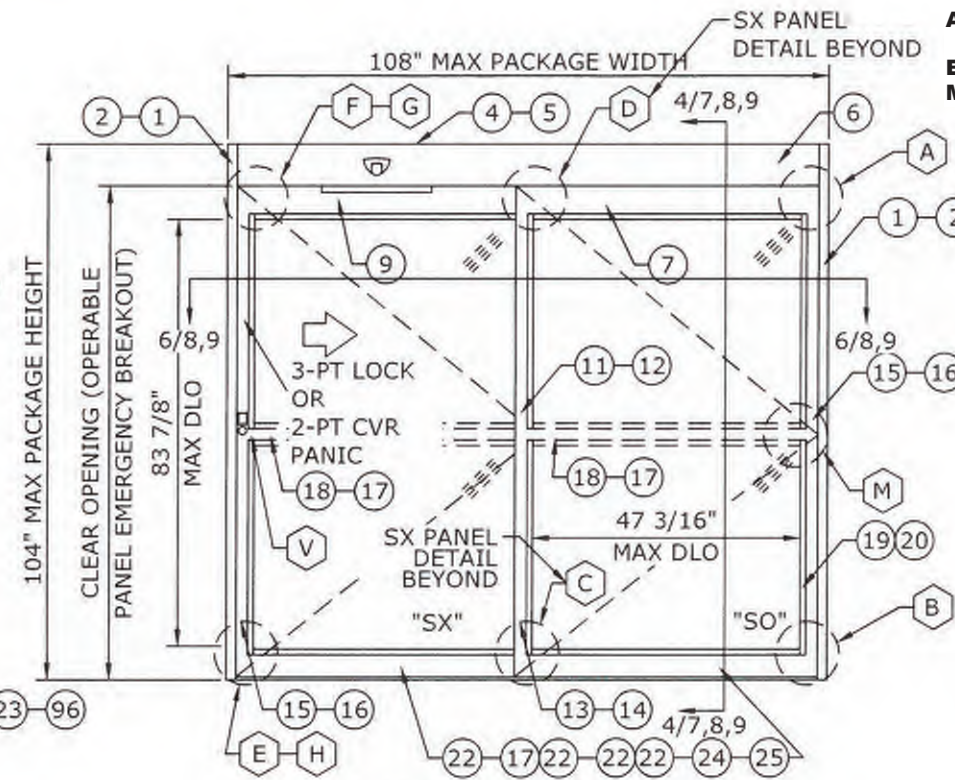
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By 
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PE# 0046549 CA# 9885

NOVEMBER 13, 2023



SERIES 2000 (SX-O) SINGLE SLIDE
EXTERIOR ELEVATION



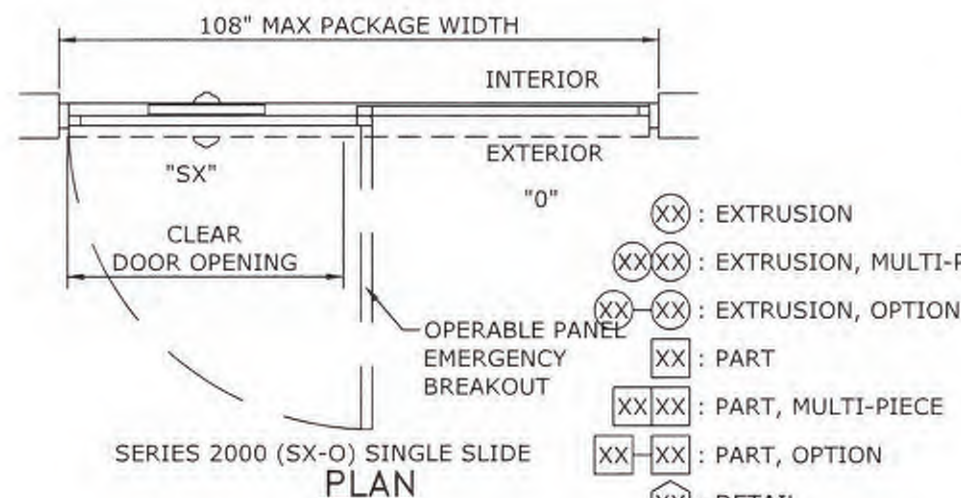
SERIES 3000 (SX-SO) SINGLE SLIDE
EXTERIOR ELEVATION

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

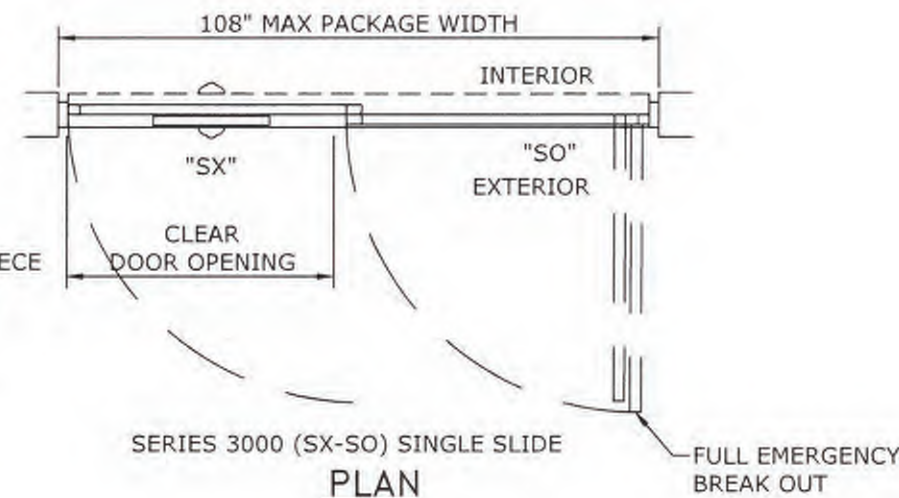
SERIES 2000 AND 3000 SINGLE SLIDE AVAILABLE PACKAGE WIDTH INFORMATION						
PACKAGE WIDTH	ROUGH OPENING	STYLE TYPE	NOMINAL CLEAR DOOR OPENING	NOMINAL PANEL WIDTH (SX)	NOMINAL PANEL WIDTH (SO)	CAULKING ALLOWANCE
108.0"	108.5"	NARROW	46.5"	53.6"	53.3"	1/4" / SIDE
108.0"	108.5"	MEDIUM	44.3"	54.5"	54.5"	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 = 45.5



SERIES 2000 (SX-O) SINGLE SLIDE
PLAN



SERIES 3000 (SX-SO) SINGLE SLIDE
PLAN

- : EXTRUSION
 ○○○○: EXTRUSION, MULTI-P
 ○○○-○○: EXTRUSION, OPTION
 〓〓: PART
 〓〓〓〓: PART, MULTI-PIECE
 〓〓-〓〓: PART, OPTION
 〓〓: DETAIL
 〓〓-〓〓: DETAIL, OPTION

- | |
|---|
| NOTES: |
| <ol style="list-style-type: none"> 1. 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. 2. HORIZONTAL MUNTIN BAR REQUIRED. 3. 5-POINT LOCKING STANDARD (3-PT ACTIVE & 2-PT ACTIVE). 4. PRODUCT SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH PRODUCT APPROVALS. 5. SEE SHEETS 6 THROUGH 11 FOR REQUIRED ANCHORAGE. 6. SEE SHEET 13 FOR GLAZING DETAILS. |

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65 SCOTT SWAMP ROAD
FARMINGTON, CT 06032

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

[illegible]

23-67901

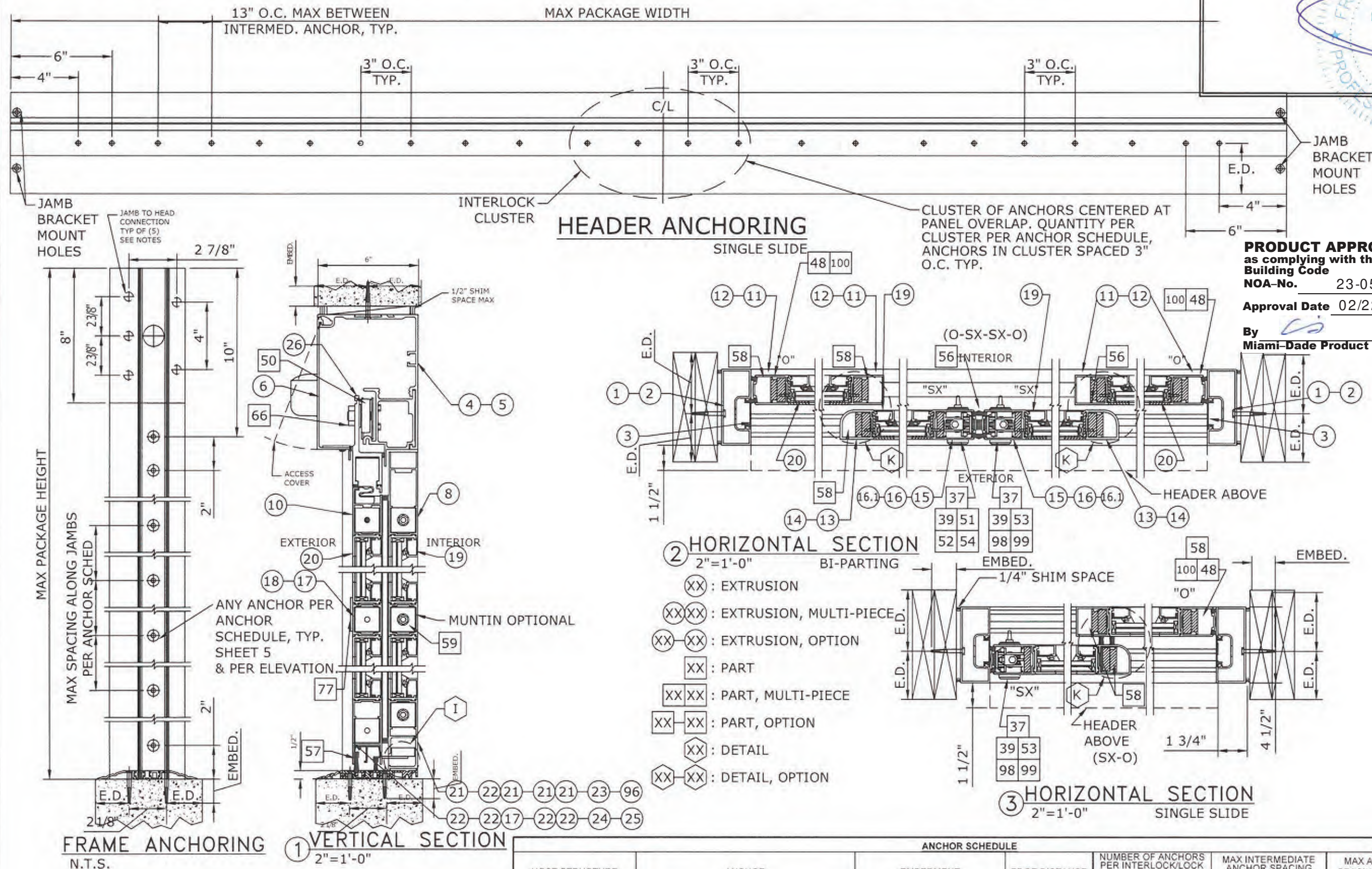
SCALE: NTS UNLESS NOTED

05 17

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

FRANK BENNARD, 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

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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

DATE	11/13/23
DRWN	SO
CHKD	RS
ISSUED	
REMARKS	
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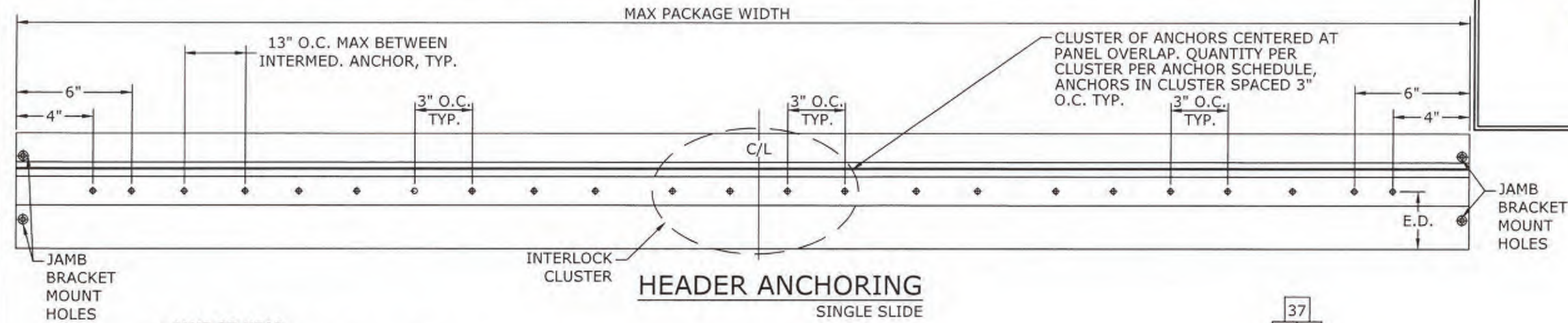
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06 OF 17

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

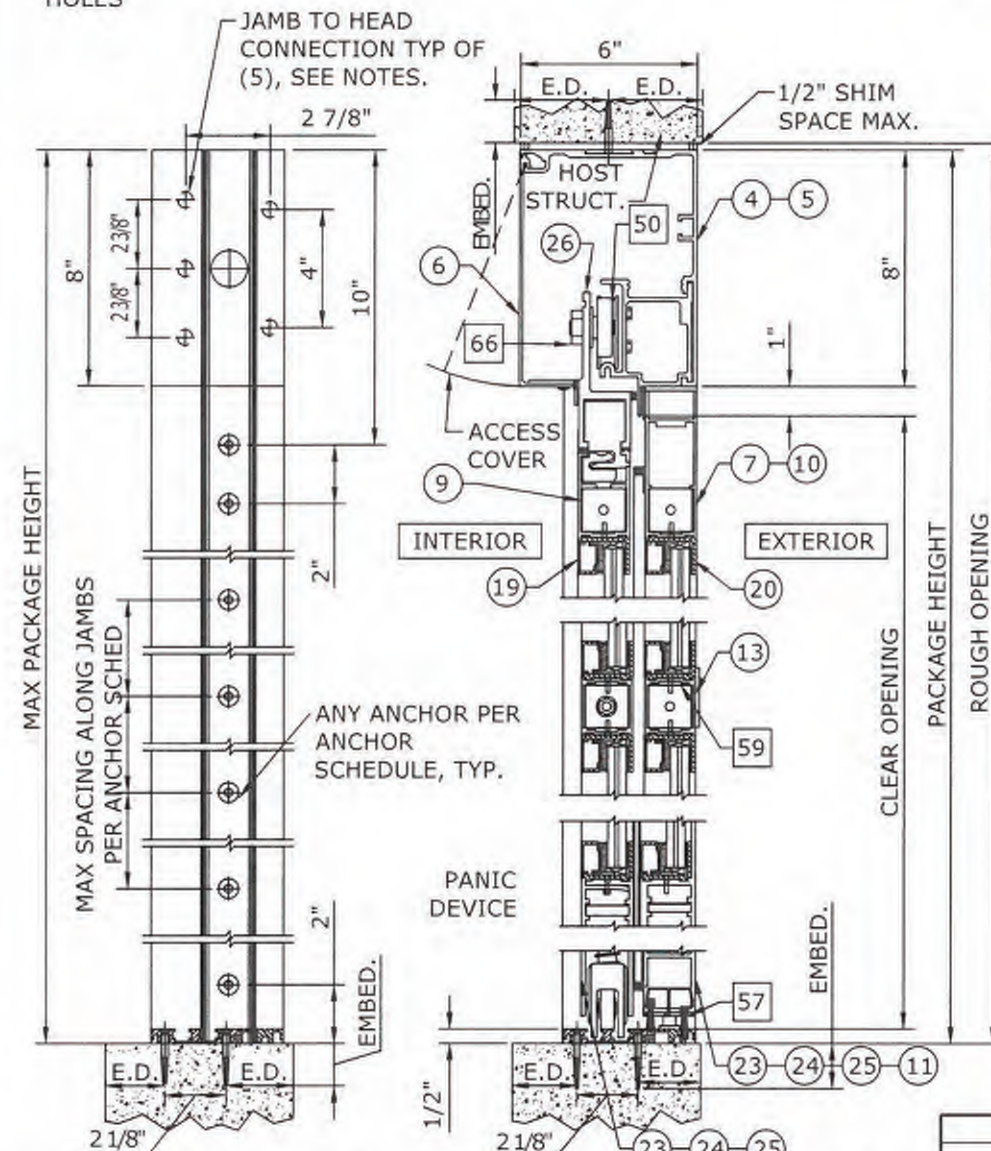
FRANK BENNARDI, PE
PE# 0046549 CA# 9885

NOVEMBER 13, 2023

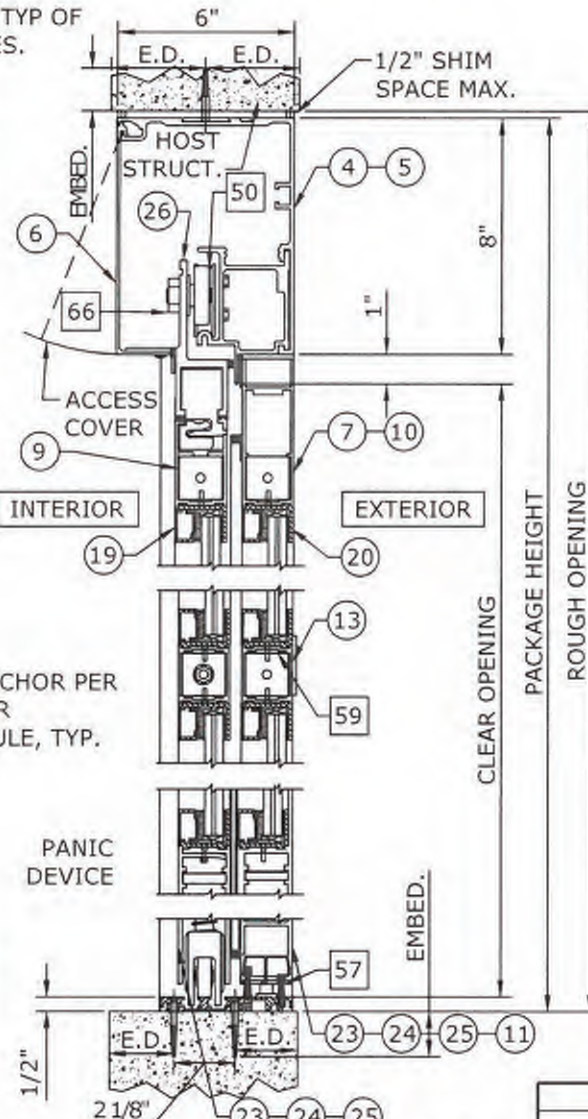


NOA# 23-0531.02

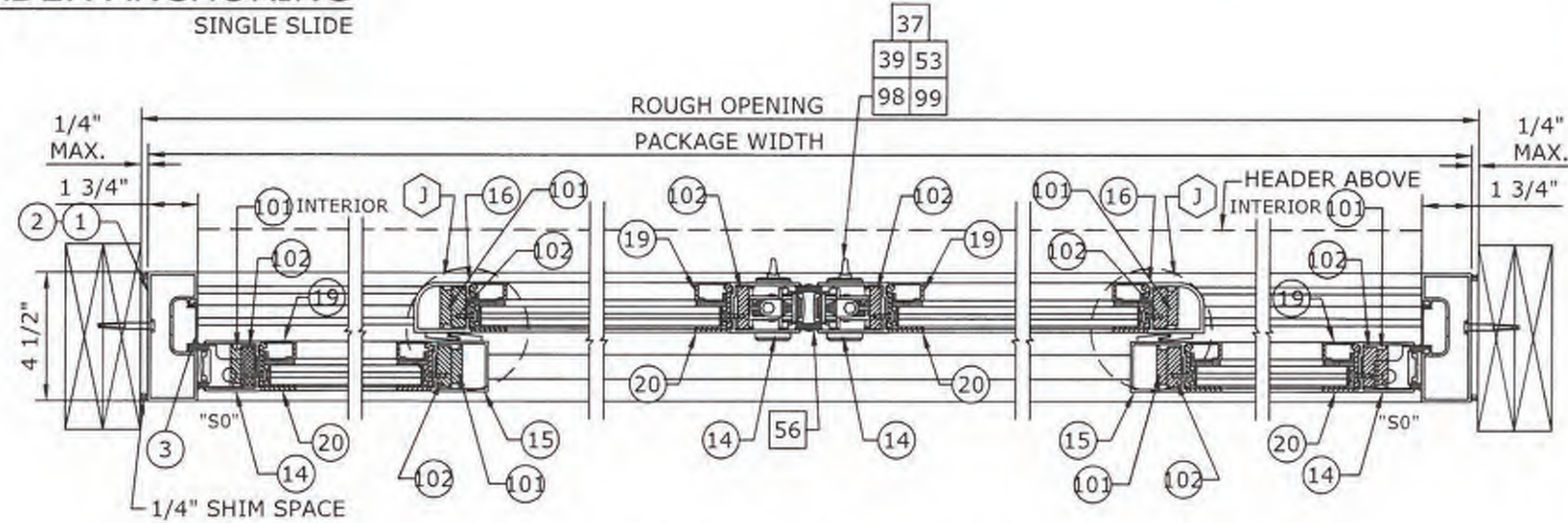
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FRAME ANCHORING
N.T.S.



VERTICAL SECTION
2\"=1'-0"



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

- 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

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

- 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+

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
				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

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

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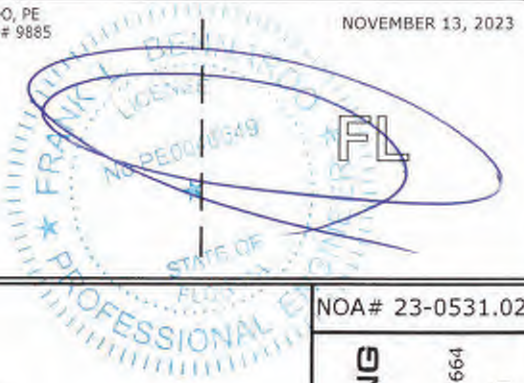
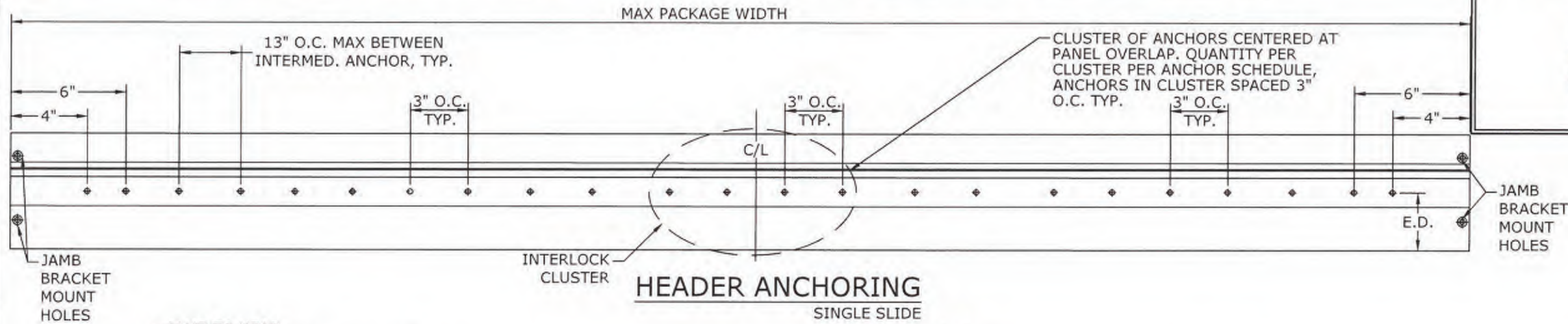
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08 17

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

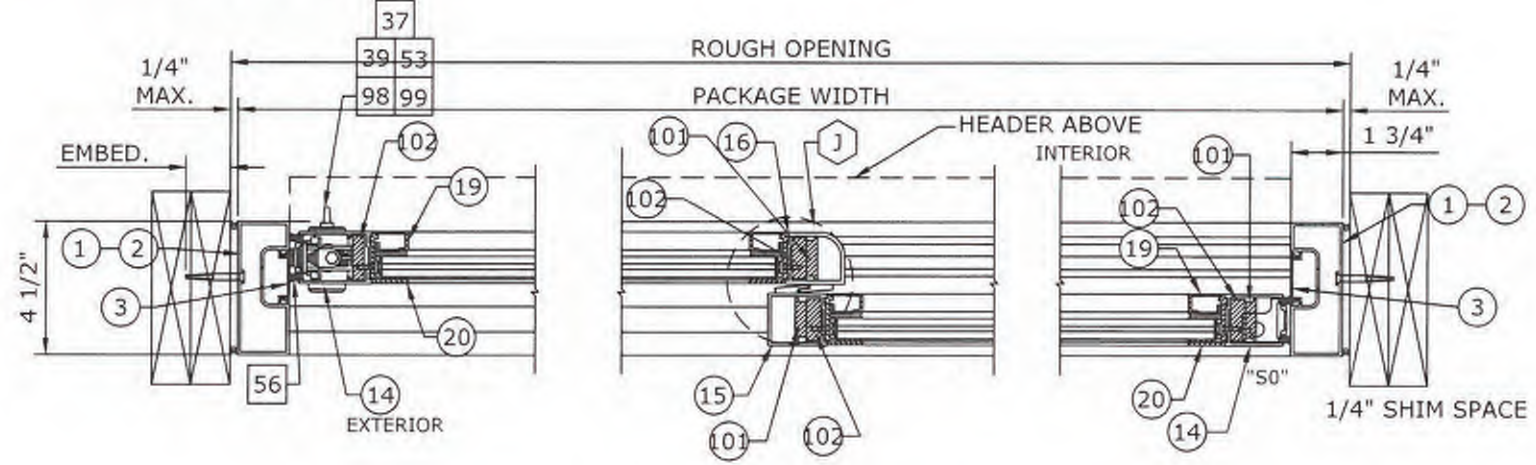
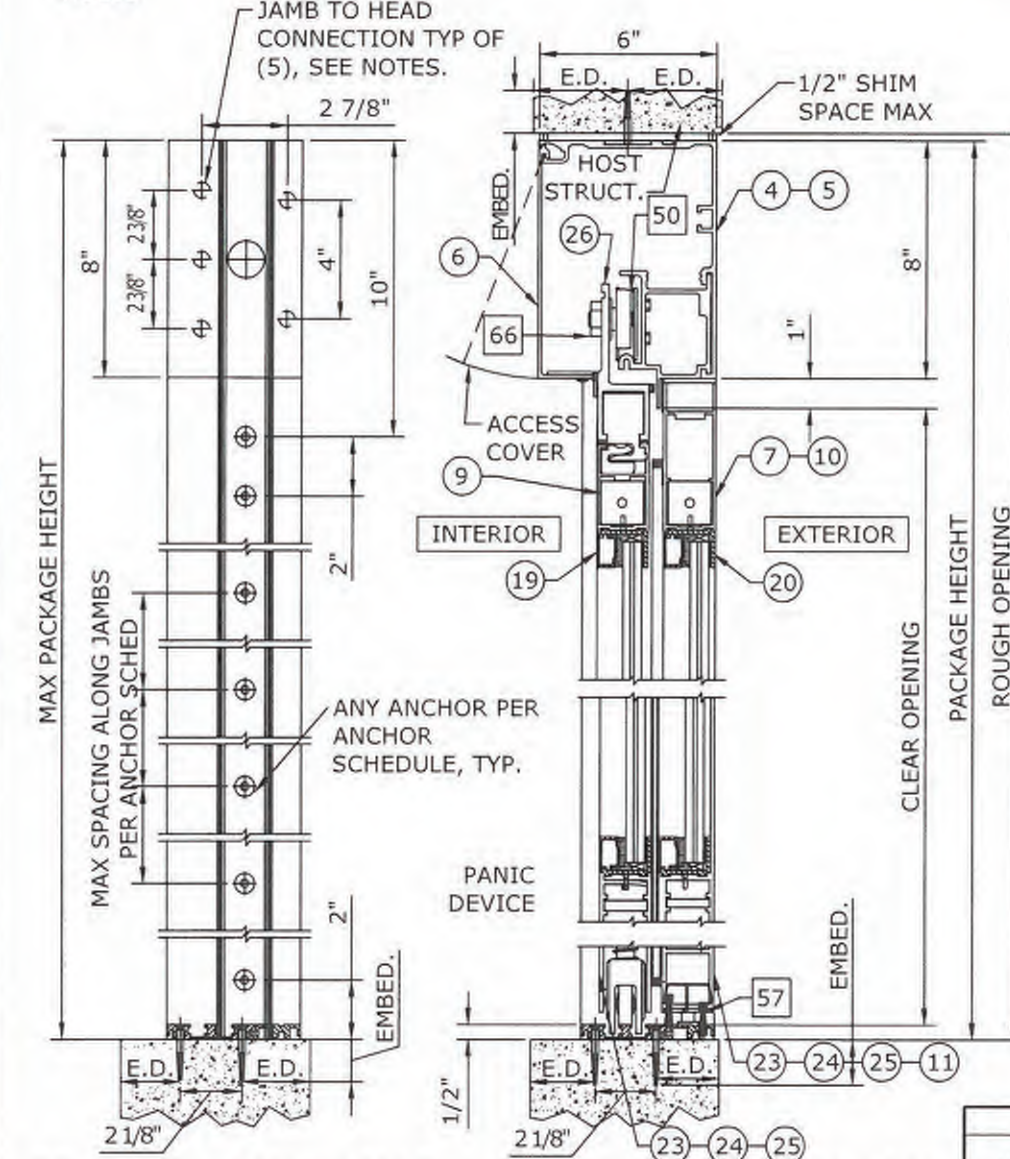
FRANK BENNARDO, PE
PE# 0046549 CA# 9885

NOVEMBER 13, 2023



NOA# 23-0531.02

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- 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

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

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

NOTES:

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

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
				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

DRWN	CHKD	DATE
SO	RS	11/13/23
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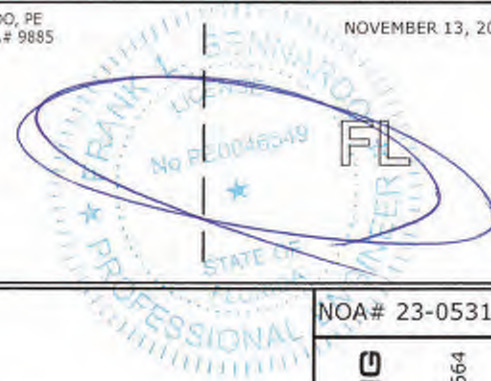
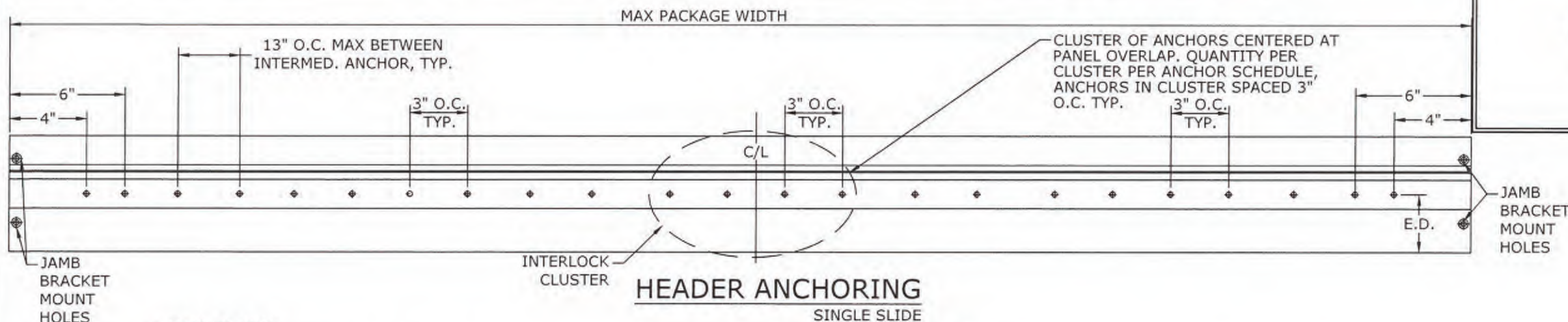
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DURA-STORM SERIES 3000 SECTIONS & ANCHORING, STANDARD 5-PT LOCKS

FRANK BENNARDI, PE
PE# 0046549 CA# 9885

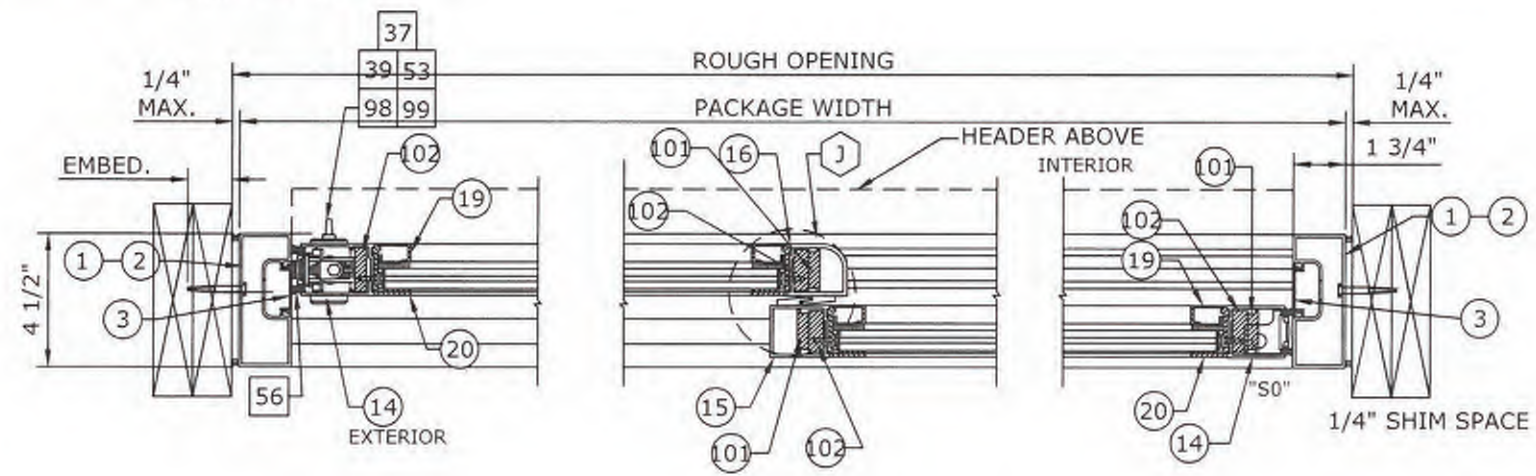
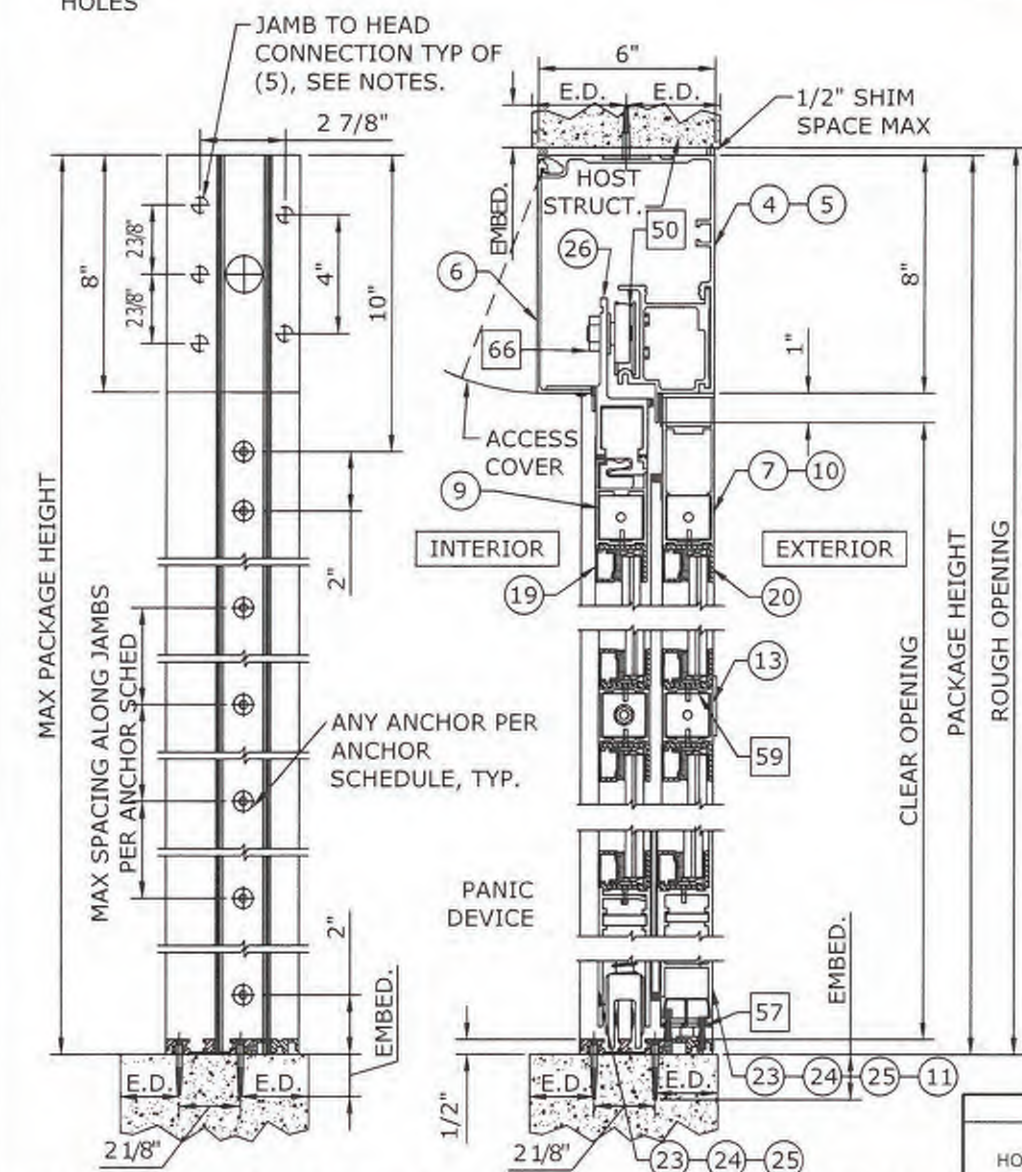
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6 HORIZONTAL SECTION
2"=1'-0" SINGLE SLIDE

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

- (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:**
- 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+

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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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

DATE	11/13/23
DRWN	CHKD
RS	RS
SQ	SQ
REMARKS	INT ISSUE
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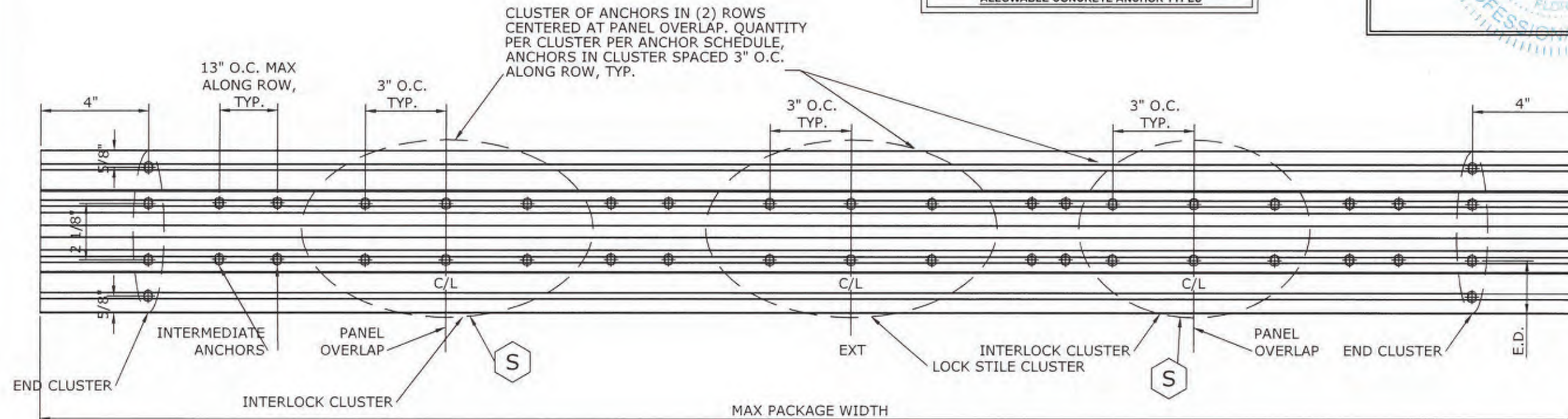
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DURA-STORM SERIES 2000/3000 THRESHOLDS & ANCHORING

FRANK BENNARDI, PE
PE# 0046549 CA# 9885

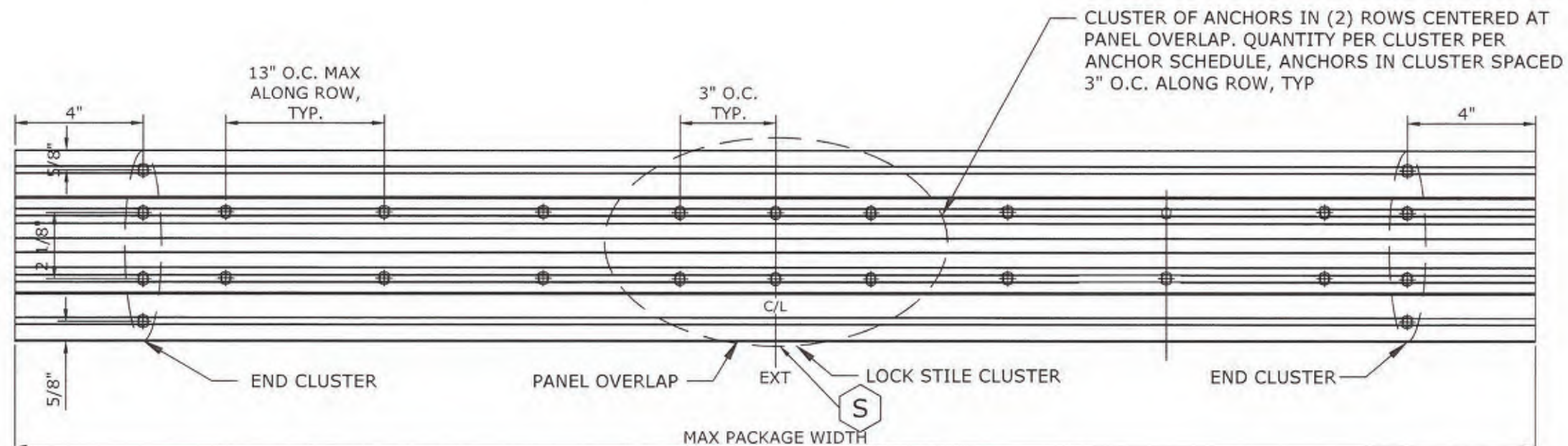
NOVEMBER 13, 2023

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)

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

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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

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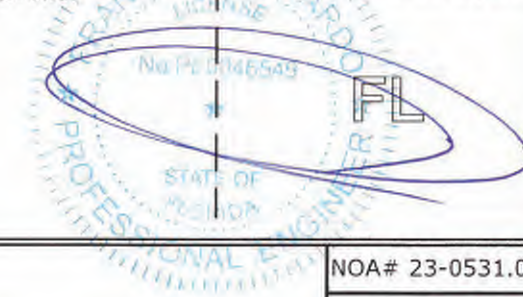
11 OF 17

DURA-STORM SERIES 2000/3000 THRESHOLDS & ANCHORING

PRODUCT APPROVED
as complying with the Florida
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NOA-No. 23-0531.02
Approval Date 02/22/2029
By 
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FRANK BENNARDO, PE
PE# 0046549 CA# 9885

NOVEMBER 13, 2023



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FARMINGTON, CT 06032

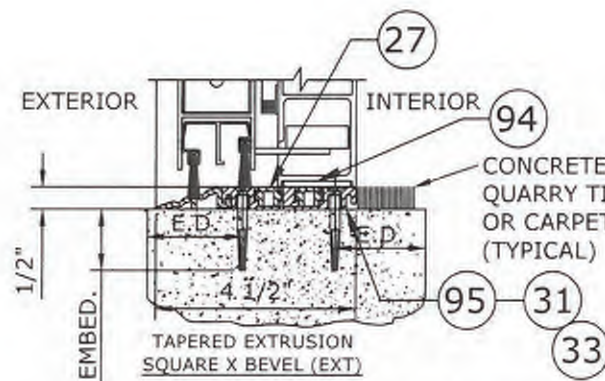
ALLEGION
SERIES "DURA-STORM 2000/3000"
BI-PARTING & SINGLE SLIDE AUTOMATIC SGD LMT (MISSILE LEVEL D)
MIAMI-DADE PRODUCT APPROVAL

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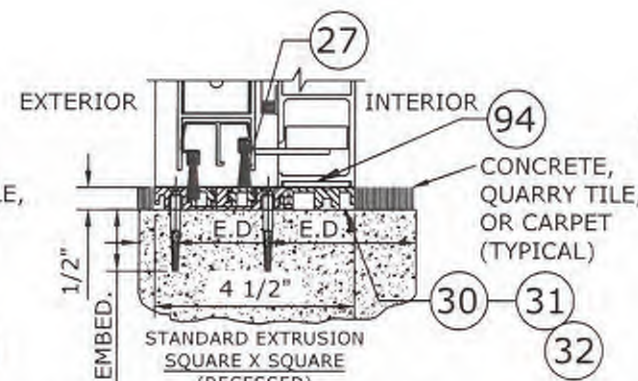
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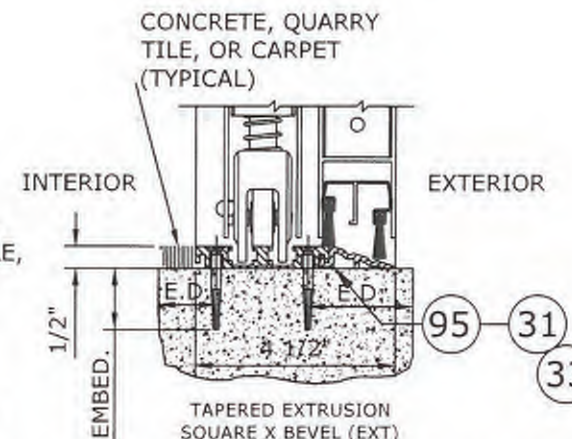
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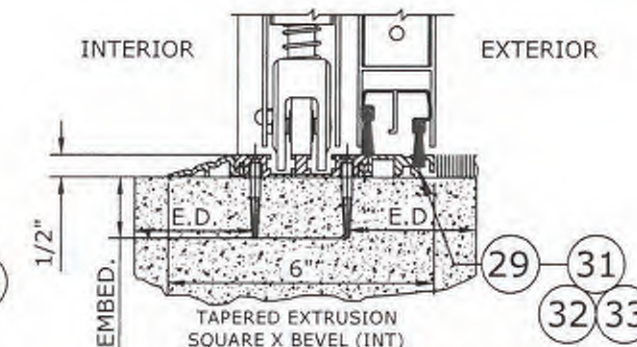
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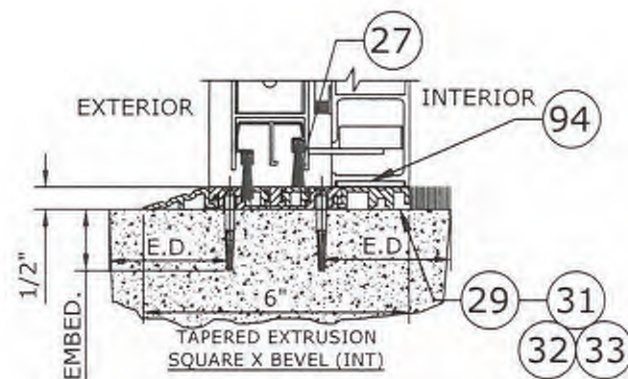
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3"=1'-0" 2000



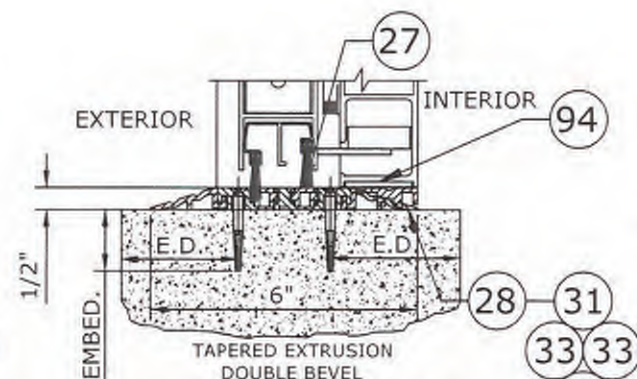
THRESHOLD-TAPERED EXT
3"=1'-0" 3000



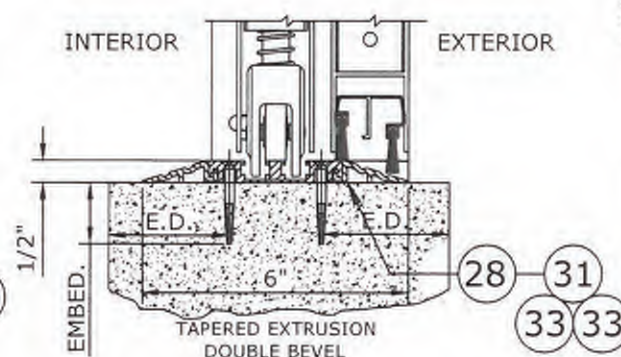
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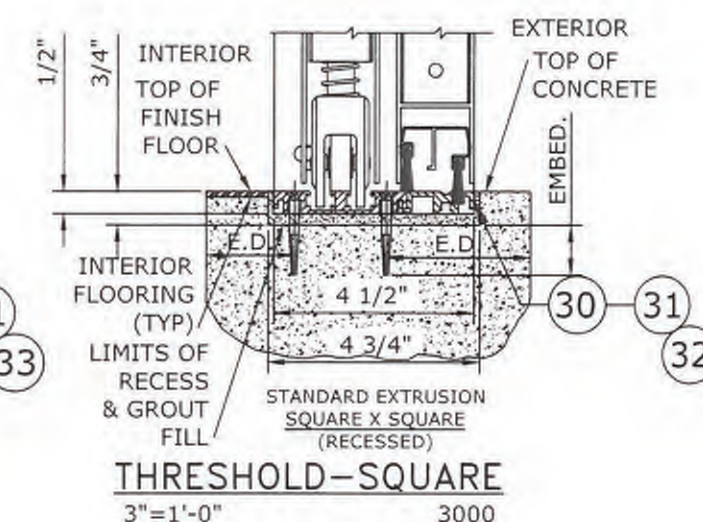
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3"=1'-0" 2000



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



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



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

DURA-STORM SERIES 2000/3000 GLASS DETAILS

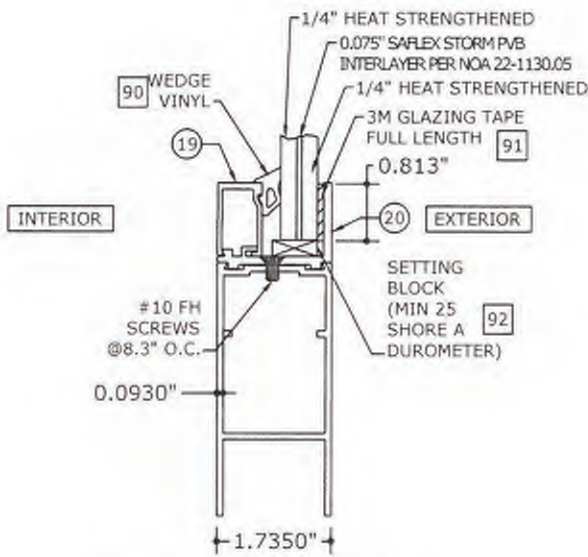
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PE# 0046549 CA# 9885

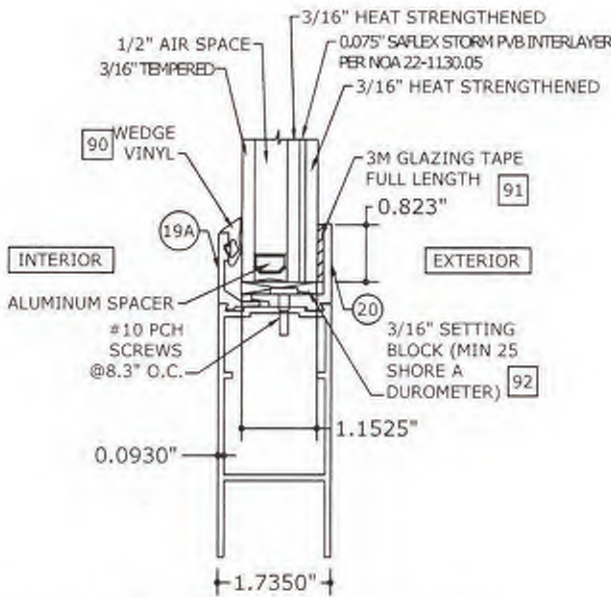
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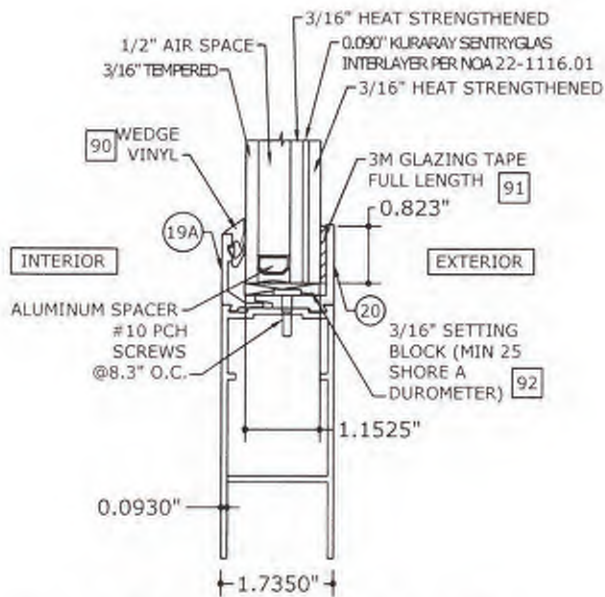
NOTE: GLASS SIZE = DLO + 1-13/16"



**GL1 9/16" LAMINATED
GLAZING DETAILS**
TYPE 1



**GL2 1 1/8" LAMINATED/INSULATED
GLAZING DETAIL**
TYPE 2



**GL3 1 1/8" LAMINATED/INSULATED
GLAZING DETAIL**
TYPE 3

GLASS NOTES:

- TYPE 1 (GL1) - LAMINATED
EXT LITE: 1/4" CLEAR HEAT STRENGTHENED
INTERLAYER: 0.075" SAFLEX STORM (22-1130.05)
INT LITE: 1/4" CLEAR HEAT STRENGTHENED
- TYPE 2 (GL2) - LAMINATED/INSULATED
EXT LITE: 3/16" CLEAR HEAT STRENGTHENED
INTERLAYER: 0.075" SAFLEX STORM (22-1130.05)
MID LITE: 3/16" CLEAR HEAT STRENGTHENED
AIR SPACE: 1/2" WITH ALUMINUM SPACER
INT LITE: 3/16" TEMPERED
- TYPE 3 (GL3) - LAMINATED/INSULATED
EXT LITE: 3/16" CLEAR HEAT STRENGTHENED
INTERLAYER: 0.090" KURARAY SENTRYGLAS (NOA: 22-1116.01)
MID LITE: 3/16" CLEAR HEAT STRENGTHENED
AIR SPACE: 1/2" WITH ALUMINUM SPACER
INT LITE: 3/16" TEMPERED

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65 SCOTT SWAMP ROAD
FARMINGTON, CT 06032

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

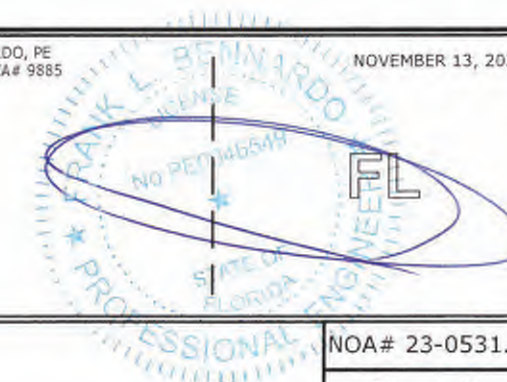
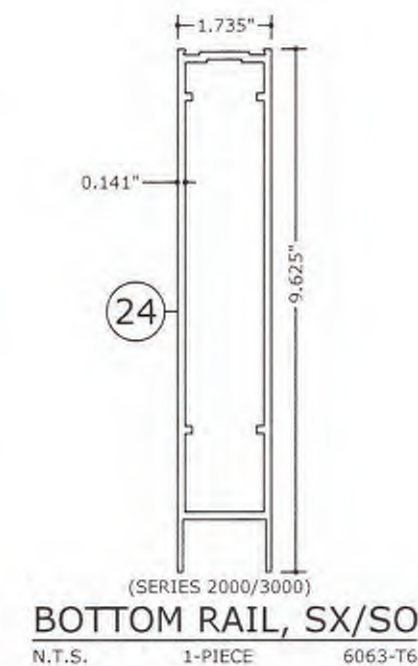
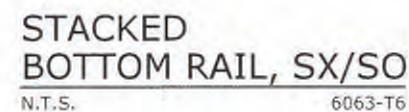
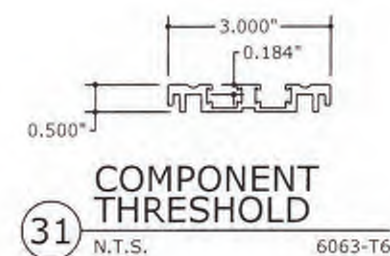
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FARMINGTON, CT 06032

SERIES "DURA-STORM 2000/3000"

SINGLE SLIDE AUTOMATIC SGD LMI (MISS
MIAMI DADE PRODUCT APPROVAL

SERIES "

MIAMI, FL

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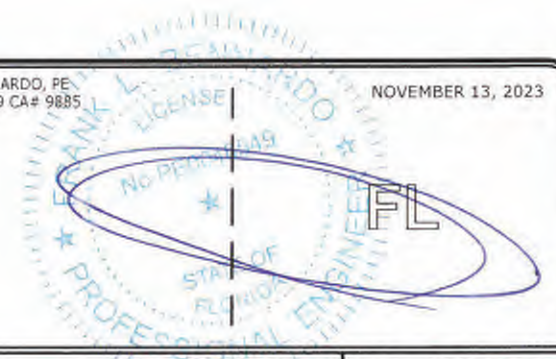
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15 OF 17

DURA-STORM SERIES 2000/3000 DETAILS

FRANK BENNARDO, PE
PE# 0046549 CA# 9885

NOVEMBER 13, 2023



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FARMINGTON, CT 06032

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MIAMI-DADE PRODUCT APPROVAL

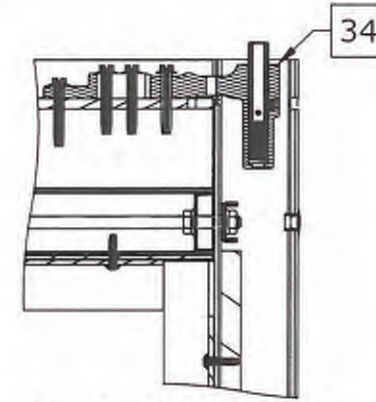
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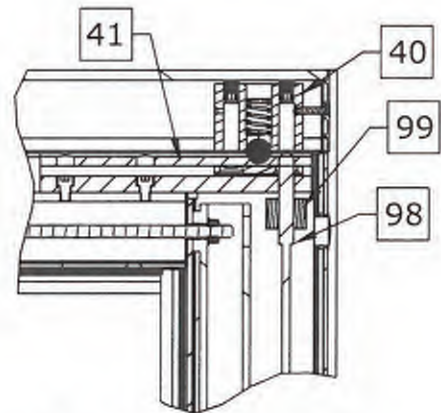
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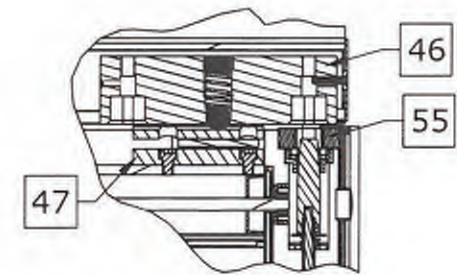
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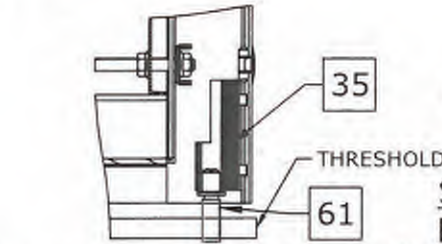
P SO PANEL
BALL
DETENT TOP
NTS SERIES 3000



F STD BOLT TOP
NTS SERIES 2000/3000



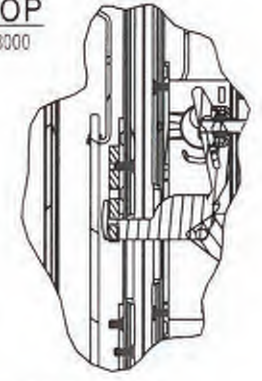
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NTS 3000



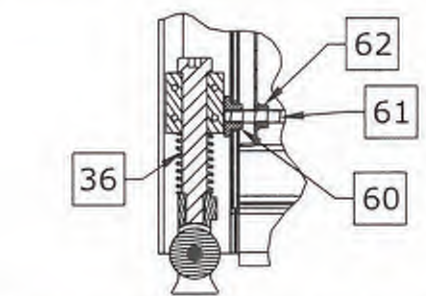
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NTS SERIES 3000



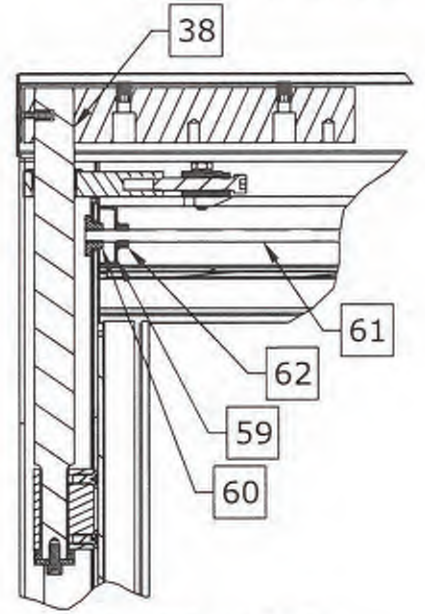
Q SO PANEL
BALL DETENT
BOTTOM
NTS SERIES 3000



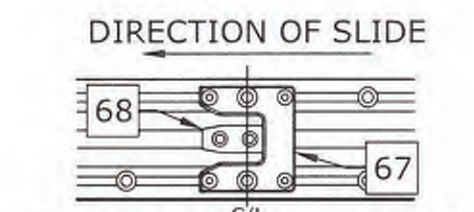
N 3-POINT
LATCH DETAIL
NTS SERIES 2000/3000



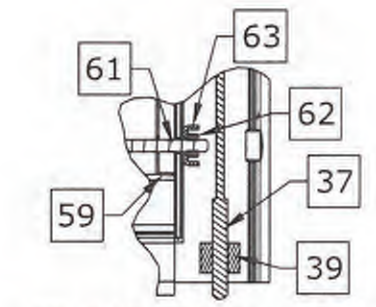
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NTS SERIES 3000



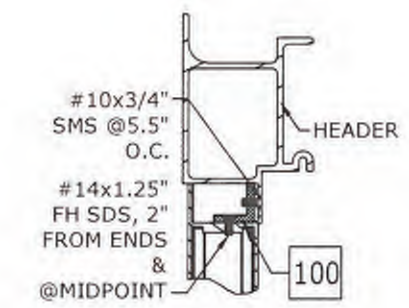
D SX PIVOT TOP
NTS SERIES 2000/3000



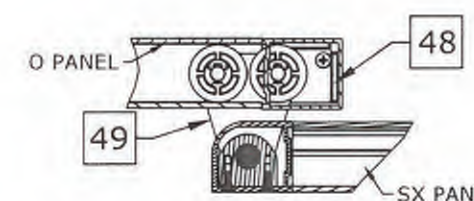
S GUIDE CAPTURE PLATE
NTS 3000



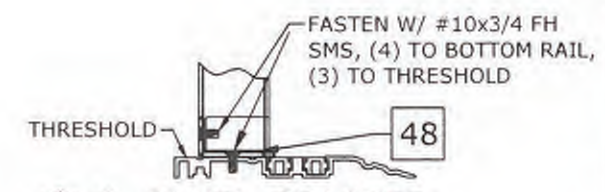
E STD BOLT BOTTOM
NTS SERIES 2000/3000



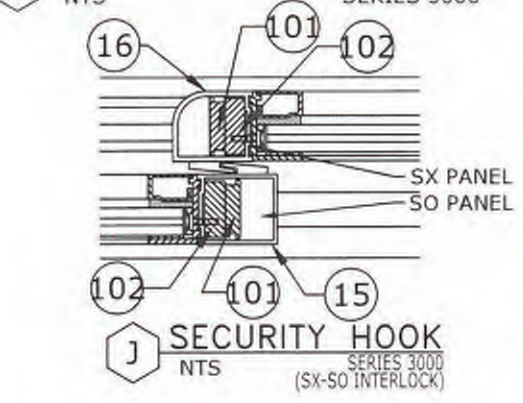
O O PANEL ANGLE
NTS SERIES 2000



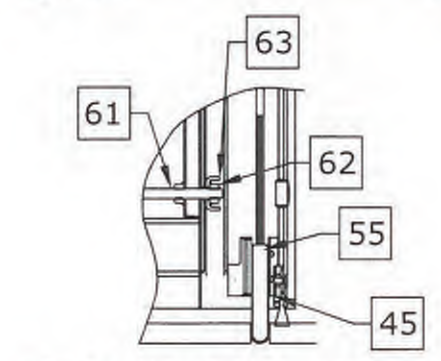
K SX GUIDE/PIVOT BOTTOM
NTS SERIES 2000
(O-SX INTERLOCK)



I O-PANEL BRACKET
NTS SERIES 2000



J SECURITY HOOK
NTS SERIES 3000
(SX-SO INTERLOCK)



H PANIC BOLT BOTTOM
NTS 3000

DURA-STORM SERIES 3000 BILL OF MATERIALS

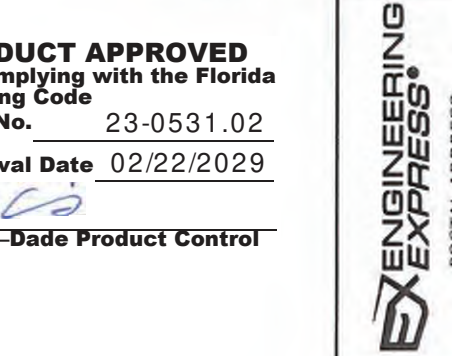
BILL OF MATERIALS	
REFERENCE	DESCRIPTION
1	Extrusion - Jamb - 4 1/2"
2	Extrusion - Jamb - 6"
3	Extrusion - Jamb - Insert
4	Extrusion - Header - 1 PC
5	Extrusion - Header - 2 PC
6	Extrusion - Header Cover -
7	Extrusion - Top Rail - SO
8	Extrusion - Top Rail - O
9	Extrusion - Top Rail - SX
10	Extrusion - Top Rail - SX
11	Extrusion - Stile, Narrow - Fixed
12	Extrusion - Stile, Medium - Lead
13	Extrusion - Stile, Narrow - Pivot
14	Extrusion - Stile, Medium - Pivot
15	Extrusion - Stile, Narrow - Lead
16	Extrusion - Stile, Medium - Lock
16.1	Extrusion - Stile, Narrow - Lock
17	Extrusion - Muntin Bar/Stacked Bottom Rail Part - 2"
18	Extrusion - Muntin Bar - 4.25"
19	Extrusion - Glass Stop
20	Extrusion - Glass Gutter
21	Extrusion - Bottom Rail O - 4"
22	Extrusion - Bottom Rail SO/SX - 4"
24	Extrusion - Bottom Rail SX/SO - 1 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
40	Component - Ball Detent - Std
41	Component - Detent Block - Std
42	Component - Security Hook - Std
43	Component - Backing Plate - Security Hook

BILL OF MATERIALS	
REFERENCE	DESCRIPTION
46	Component - Ball Detent
47	Component - Detent Block
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 -
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
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	Component - Guide Capture Plate
68	Component - Guide Capture Plate - Aligner
74	Component - Steel Plate - Panic Reinforcing (48" Min.)
75	Component - Key Operator - Adams Rite
79	Component - Muntin Clip (with Panic)
90	Glazing - Wedge Vinyl - RM270864 by Trelleborg
91	Glazing - 3M Tape -
92	Glazing - Setting Block -
94	Extrusion - Key Strip
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
101	STEEL REINFORCEMENT BAR (PARTIAL A36 OR 1018) (4' LONG; CENTERED)
102	STEEL REINFORCEMENT (CONTINUOUS A36 OR 1018 BAR)

NON-CALL OUT PART #S FROM 44,45, 67-73, 78, 80-89 ARE NOT PART OF BOM

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



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

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

[illegible]

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23-67901

SCALE: NTS UNLESS NOTED

17 OF 17



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

Schlage Lock Company
11819 N. Pennsylvania Street
Carmel, IN 46032

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: SteelCraft H Series Single Flush Outswing Commercial Steel Door w/wo Panic Exit-LMI

APPROVAL DOCUMENT: Drawing No **IRFS07 Rev Q**, titled "Steelcraft H series Single Flush outswing", sheets 1 through 14 of 14, prepared by the manufacturer, dated 05-20-07 and last revised on 07/11/2023, signed and sealed by Hermes F. Norero, 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 sheets **1 & 2** for Design Pressures, Sizes and Hardware. See sheets **5** and **6** for door sizes VS threshold types, brand and water infiltration limitations. Lower design Pressure shall control the entire assembly.
2. Use of Ives viewers (model U696/U698) is limited to +/-75 PSF.
3. The top strike plates **338** and **4188** can be used w/wo roller option for Concealed Rod Panic devices (CVR) shown in sheet **9**.
4. Electrical/Electronic functions and Fire ratings are **not** part of this approval, such functions to be reviewed and approved by AHJ.

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** NOA **#22-0427.01** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5, E-6 and E-7, as well as approval document mentioned above.

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

S. Zhao



12/07/2023

NOA No. 23-0821.18
Expiration Date: May 05, 2028
Approval Date: December 07, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. **Evidence submitted under previous approvals**

A. DRAWINGS

1. Manufacturer's parts and sections drawings (Submitted under file as below).
2. Drawing No **IRFS07 Rev L**, titled "Steelcraft H series Single Flush outswing", sheets 1 through 15 of 15, prepared by the manufacturer, dated 05-20-07 and last revised on 08/11/15, signed and sealed by Thomas Gordon, P.E.

B. TESTS (Submitted under files **#15-0826.23/#13-1217.16/#12-0305.14/ #10-0209.07/#07-0829.04**)

1. Test report on

- 1) Air Infiltration Test, per TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 3) Large Missile Impact Test per FBC, TAS 201-94
- 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 5) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of Single outswing steel doors w/ Stainless steel continuous Hinges & modified Hat stiffeners, marked by Certified Testing Lab, Test Reports No(s). **CTLA-3045W** dated February 16, 2015, signed and sealed by Ramesh Patel, P.E.

Along with manufacturer's parts and section drawings of double outswing steel doors w/CVC panic exit and Peep hole, marked by Element Material Technology, Test Reports No(s). **ESP011623P** dated May 14, 2013, signed and sealed by Jason Sheen, P.E.

Along with manufacturer's parts and section drawings of double flush outswing steel doors, marked by National Certified Testing Lab, Test Reports No. **NCTL-210- 3580-2**, dated March 25, 2009, signed and sealed by Gerry Ferrara, P. E.

2. Test reports

- 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94.
- 2) Water Resistance Test per FBC TAS 202-94

Along with marked-up drawings and installation diagram of double steel commercial doors, prepared by National Certified Testing Laboratories Inc., Test Report No. **NCTL- 210-03-0514-11**, dated August 31, 2004, **NCTL 210- 03-3511-1** dated 04/09/08 and **NCTL 210- 03-3549-1** dated 08/26/08, all signed and sealed by Gerry Ferrara, P. E.

Note: Test report No(s): **NCTL210-3549-1** and **NCTL-210-3511-1** have been revised by an addendum letter, issued by Lab, dated Feb. 04, 2009, signed & sealed by Gerard J. Ferrara, P. E

3. Test report on (submitted under file # **07-0829.04**)

- 1) Air Infiltration Test, per TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 3) Large Missile Impact Test per FBC, TAS 201-94
- 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 5) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of double-glazed outswing steel doors, marked by Certified Testing Lab, Test Reports No(s). **CTLA-776W** dated February 20, 2002, **CTLA-975W** dated Jan 23, 2003, **CTLA-882W** dated Aug 29, 2002, **CTLA-1035W** dated May 28, 2003 and, **CTLA-1086-W** dated Nov. 17, 2003 and **CTLA-1107W-3** dated June 30, 2004, all signed and sealed by Ramesh Patel, P.E. (this report has addendum letter dated Feb 20, 2009, signed and sealed by Ramesh Patel, P.E.



Sifang Zhao, P.E.

Product Control Examiner

NOA No. 23-0821.18

Expiration Date: May 05, 2028

Approval Date: December 07, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- C. CALCULATIONS:** (Submitted under file # **15-0826.23**)
1. Anchor verification calculation complying w/ FBC 2014(5th Edition) dated 08/10/15, prepared, signed & sealed by Thomas Gordon., P.E.
 2. Hinge Load Evaluation report dtd 01/04/04, prepared, signed & sealed by Thomas Gordon, P.E. (Submitted under file # **10-0209.09**)
- D. QUALITY ASSURANCE BY**
1. Miami Dade Department of Regulatory and Economic Resources (RER).
- E. MATERIAL CERTIFICATIONS** (submitted under files #**12-0305.16**/# **10-0209.09**)
1. Material composition & Flammability properties and Material Safety Data sheet of Pyrophobic P25C-60 core by Pyrophobic System LTD, dated DEC 05, 2010, issued by I. Zhvanetsky, chemical consultant.
 2. Material composition & Flammability properties and Material Safety Data sheet of Calcium Silicate mineral block, issued by Marshfield Door Sys, Inc., Marshfield. WI 54449.
 3. Test Report No. **12-11177**, Nov 29, 2012, issued by Commercial Testing Co. for "Surface Flame spread & Smoke density Characteristics of Building material" per ASTM E84-12 for "Elfoam P200", issued to Elliott Co. of Indianapolis Inc.
 4. Test Report No. **16206-122543 (1015P200(3))**, dated November 29, 2004 for "Surface Burning Characteristics of Bldg material" per ASTM E84 and self-Ignition per ASTM 1929D for "Polyisocyanurate" issued by Omega Point Laboratories, Inc. to Elliot Co., Indianapolis, IN.
 5. Tensile test report # CTLA-776W (0194H), dtd 02/25/02 prepared by CTL, Architectural Division, sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
 6. Tensile Test report No: A103W1-Test 1, 2 & 3 dated 23 APR 03 per ASTM E-8 for steel face sheet, prepared by Certified Testing laboratory, signed and sealed by Ramesh Patel, P.E.
 7. Test Report No. **3094867SAT-001**, April 13, 2006, issued by Intertek for "Surface Burning Characteristics of Building material" per ASTM E84 and self-Ignition per ASTM 1929D for "EPS", issued to Falcon Foam, a Div of Atlas Roofing, re-named as "ATLAS EPS".
- F. STATEMENTS:** Except items #1, balanced items submitted under files #**13-1217.16**/ #**10-0209.09**
1. Letter of conformance to **FBC 2014** and "No financial interest", dated 09/23/15, prepared, signed and sealed by Gordon Thomas, P.E.
 2. Statement letter dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
 3. Ingersoll-Rand press release, dated 12/10/12, integrating the brands of Ingersoll-Rand and Schlage among others.
 4. Department of State Certification of Reinstatement for **SCHLAGE LOCK COMPANY, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/17/06 and filed with the Secretary of State
 5. Certification of Formation dated 12-08-2003 of Schlage Lock Company, LLC, issued by Secretary of State of Delaware.
 6. Laboratory Compliance Statements issued as part of above test reports.
 7. Addendum letter dated DEC 19, 2011, issued by Certified Testing Lab verifying wire anchors, strength of grout, stud anchor, Strike plate and MA series Mortise Lock, supplemented w/ marked-up drawings, signed and sealed by Ramesh Patel, P.E.
 8. Letter of certification dated 04/20/10, issued by Ingersoll-Rand for electronic CO lock series mechanical /functional parts same as AD, ND and AD-M series.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.18

Expiration Date: May 05, 2028
Approval Date: December 07, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER

1. This NOA **renews NOA #15-0826.23**, expiring on 05/05/18.
2. Request for 1-Year renewal by Schlage Company dated 04/20/17, signed by James Donlan.
3. Test proposals # **14-0252**, **-0254**, **#14-1086**, **#14-0254-R1** and **#12-0797R** approved by RER.
4. Consolidation Test proposal # **06-2468**, dated 04/27/07 approved by BCCO.
5. Previously consolidated NOA(s) associated with this file are NOA(s) #1029.07, 07-829.04, 020712.01, 02-0712.03, 03-0908.03, 04-0303.03 and 05-0103.01.
6. Technical brochures of butt Hinges, continuous Hinges, Schlage & Falcon Mortise Locks, Supplied by Schlage Company (former Ingersoll-Rand).

2. Previous evidence submitted under file #17-0326.06.

A. DRAWINGS

1. Drawing No **IRFS07 Rev M**, titled "Steelcraft H series Single Flush outswing", sheets 1 through 14 of 14, prepared by the manufacturer, dated 05-20-07 and last revised on 03/29/18, signed and sealed by Hermes F. Norero, P.E.

B. TESTS

1. Additional Test report on
 - 1) Uniform Static Air Pressure Test, Loading per TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 4) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of double flush outswing steel doors, marked by National Certified Testing Lab, Test Reports No. **NCTL-210- 3580-2**, dated March 25, 2009, signed and sealed by Gerry Ferrara, P. E.

Along with manufacturer's parts and section drawings of glazed outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). **NCTL-210-3232-1** dated 02/24/06 and **NCTL-210-3357-1** dated Dec 28, 2006, signed and sealed by Gerard J. Ferrara, P.E.

Along with manufacturer's parts and section drawings of glazed outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). **NCTL-210-3232-1** dated 02/24/06 and **NCTL-210-3357-1** dated Dec 28, 2006, signed and sealed by Gerard J. Ferrara, P.E

2. Additional Reference test report No. CTLA-1107W for strap anchor qualification.

C. CALCULATIONS:

1. Anchor verification calculation complying w/ FBC 2017(6th Edition) dated 04/04/2017 and last revised on 02/12/2018, prepared by Building Drops, signed & sealed by Hermes F. Norero., P.E.

D. QUALITY ASSURANCE BY

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

E. MATERIAL CERTIFICATIONS:

1. None.

F. STATEMENTS: (items # 2 thru 6, submitted under file # 17-1026.24)

1. Letter of adoption of another Engineer's work per FLA rule 61G15-27, dated 03/14/2017, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Letter of conformance to FBC 2014 (5th Edition) and FBC 2017 (6th Edition), dated 02/08/18, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
3. Ingersoll-Rand press release, dated 12/10/12, integrating the brands of Ingersoll-Rand and Schlage among others.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.18

Expiration Date: May 05, 2028
Approval Date: December 07, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS: (continue)

4. Department of State Certification of Reinstatement for **SCHLAGE LOCK COMPANY, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/17/06 and filed with the Secretary of State
5. Certification of Formation dated 12-08-2003 of Schlage Lock Company, LLC, issued by Secretary of State of Delaware.
6. Statement letter dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
7. Letter of certification dated 04/20/10, issued by Ingersoll-Rand for electronic CO lock series mechanical /functional parts same as AD, ND and AD-M series.
8. Addendum letters dated Feb 20, 2009 for test reports Test report CTLA-1035W, issued by Certified Testing lab, signed and sealed by Ramesh Patel, P.E
9. Addendum letter dated DEC 19, 2011, issued by Certified Testing Lab verifying wire anchors, strength of grout, stud anchor, Strike plate and MA series Mortise Lock, supplemented w/ marked-up drawings, signed and sealed by Ramesh Patel, P.E.

G. OTHER

1. This NOA **revises & renews NOA #17-0326.06**, expiring on 05/05/23.
2. Test proposals # **14-0252**, **-0254**, **#14-1086**, **#14-0254-R1** and **#12-0797R** approved by RER.
3. Consolidation Test proposal # **06-2468**, dated 04/27/07 approved by BCCO.
4. Technical brochures of butt Hinges, continuous Hinges, Schlage & Falcon Mortise Locks, Supplied by Schlage Company (former Ingersoll-Rand).

3. Evidence submitted in previous NOA

A. DRAWINGS

1. Drawing No **IRFS07 Rev M**, titled "Steelcraft H series Single Flush outswing", sheets 1 through 14 of 14, prepared by the manufacturer, dated 05-20-07 and last revised on 03/29/18, signed and sealed by Hermes F. Norero, P.E.

B. TEST

1. Test report on
 - 1) Uniform Static Air Pressure Test, Loading per TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with manufacturer's parts and section drawings of Single outswing Flush steel doors w/ SVR and top Strike #338 w/roller, issued by UL Testing Lab, Test Reports No(s). **SV31245-20190521** dated SEP 03, 2019, signed and sealed by Alex Spyrou, P.E.

Along with manufacturer's parts and section drawings of Single outswing glazed steel doors w/ SVR and top Strike #338 w/roller, issued by UL Testing Lab, Test Reports No(s). **SV31245-20190624** dated SEP 03, 2019, signed and sealed by Alex Spyrou, P.E.

C. CALCULATIONS

1. None

D. QUALITY ASSURANCE

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



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.18

Expiration Date: May 05, 2028
Approval Date: December 07, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS (submitted under file # **17-0426.02**)

1. Statement letter of conformance to FBC 2017(6th edition) dated 02-08-2018, prepared by Building Drops, signed & sealed by Hermes F. Norero, P.E.
2. Statement letter of adopting another Engineer's work per Florida Rules 61G615-27 dated March 14, 2017, prepared by Building Drops, signed & sealed by Hermes F. Norero, P.E.

G. OTHER

1. This NOA **revises NOA # 17-0426.02**, expiring 05/05/23.
2. Optional CVR top strikes #338 w/wo Roller (see below)



4. Evidence submitted previous approval

A. DRAWINGS

1. Drawing No **IRFS07 Rev O**, titled "Steelcraft H series Single Flush outswing", sheets 1 through 14 of 14, prepared by the manufacturer, dated 05-20-07 and last revised on 01/29/2021, signed and sealed by Hermes F. Norero, P.E.

B. TEST

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance to **FBC 7th Edition (2020)** and of no financial interest, dated 09/02/20, issued by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Statement letter dated 09/02/20 issued by Allegion in reference to DWG. revision changes, signed by Donlan James, code compliance Engineer.

G. OTHER

1. This NOA **revises NOA # 20-0310.08**, expiring 05/05/23.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.18
Expiration Date: May 05, 2028
Approval Date: December 07, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Evidence submitted previous approval

A. DRAWINGS

1. Drawing No **IRFS07 Rev P**, titled “Steelcraft H series Single Flush outswing”, sheets 1 through 14 of 14, prepared by the manufacturer, dated 05-20-07 and last revised on 07/18/2022, signed and sealed by Hermes F. Norero, P.E.

B. TEST

1. Test report on
 - 1) Uniform Static Air Pressure Test, Loading per TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 4) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of double flush outswing steel doors w/ CVR Panic with Falcon 4188 w/Roller (top strike) & Falcon 2130 (bottom strike), marked by Under Writers (UL) Lab, LLC, Test Reports No. SV31245-20220217-R3, dated March 24, 2022, signed and sealed by Alexis Spyrou, P. E. (*Submitted under NOA#22-0427.01*)

C. CALCULATIONS

1. Hilti’s anchor verification calculation dated 05/04/2022, using Hilti’s software prepared by Building drops, Inc, signed and sealed by Hermes F. Norero, P.E.
(*Submitted under NOA#22-0427.01*)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance to **FBC 7th Edition (2020)** and of no financial interest, dated 05-05-2022, issued by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.

G. OTHER

1. This NOA **revises & renews NOA # 20-1005.18**, expiring 05/05/28.
2. CVR Falcon 4188 (top strike) options w/wo Roller



4188 Top strike without Roller



4188 Top strike with Roller

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.18

Expiration Date: May 05, 2028
Approval Date: December 07, 2023

Schlage Lock Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. New Evidence submitted

A. DRAWINGS

1. Drawing No **IRFS07 Rev Q**, titled “Steelcraft H series Single Flush outswing”, sheets 1 through 14 of 14, prepared by the manufacturer, dated 05-20-07 and last revised on 07/11/2023, signed and sealed by Hermes F. Norero, P.E.

B. TEST

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance to **FBC 8th Edition (2023)** and of no financial interest, dated 07-13-2023, issued by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.

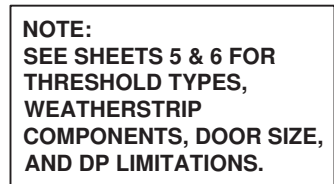
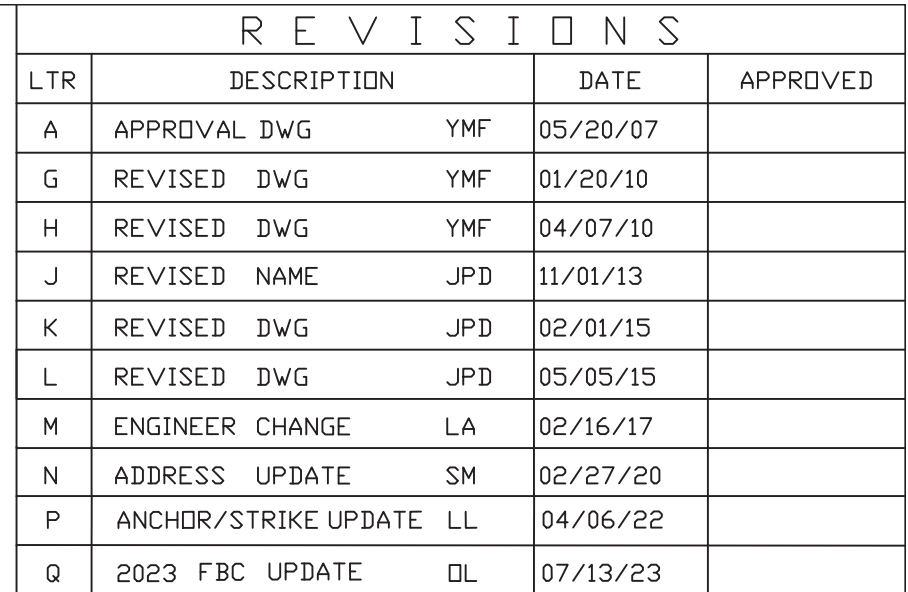
G. OTHER

1. This NOA **revises NOA # 22-0427.01**, expiring 05/05/28.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.18

Expiration Date: May 05, 2028
Approval Date: December 07, 2023



SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
MIAMI-DADE COUNTY PRODUCT APPROVAL FLUSH OUTSWING DOORS AND HARDWARE CONFIGURATIONS COMMERCIAL DOOR OPENING SINGLE FLUSH DOORS.			
SIZE	FLAT	DWG NO. <div style="text-align: center; font-size: 1.5em;">IRFS07</div>	REV <div style="text-align: center; font-size: 1.5em;">Q</div>
SCALE:	NTS	AUTOCAD	SHEET 1 of 14

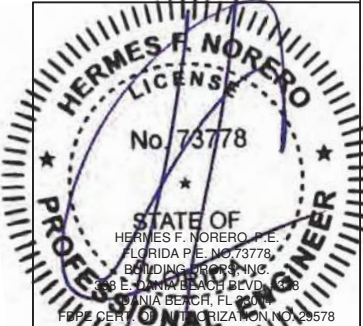
Door Configuration	Maximum Design Pressure, PSF		Maximum Door Opening Size, in.		Locking Hardware Description				Comments
	Positive	Negative	Width	Height	Hardware Family	Model/Series	Strike Models	Brand	
1	75	75	48	96	Mortise Lock	L/LV9400/AD/CO MD	10-072	Schlage	Functions with deadbolt, 3/4" min. throw latch & 1" min. throw deadbolt
	75	75	48	96	Mortise Lock	MA	ANSI	Falcon	
2	55	55	48	96	Cylindrical Lock	AL	10-025	Schlage	1/2" throw latch
3	65	65	48	96	Cylindrical Lock	D/ND/AD/CO CYL	10-025	Schlage	1/2" throw latch
4	75	75	48	96	Cylindrical Lock	D/ND/AD/CO CYL	10-025	Schlage	3/4" throw latch
	75	75	48	96	Cylindrical Lock	T	ANSI	Falcon	3/4" throw latch
5	70	70	48	96	Surface Vertical Rod Exit Device	9827, 9927, 9827-F, 9927-F	299F/499F Top, 304L Bottom	Von Duprin	
	70	70	48	96	Surface Vertical Rod Exit Device	25-V, F-25-V	3788 Top, 2130 Bottom	Falcon	
6	70	70	48	96	Concealed Vertical Rod Exit Device	9847-F, 9947-F, HH9847, HH9947	338 Top, 304L Bottom	Von Duprin	HH98/9947 devices have a 2-3/4" backset
	70	70	48	96	Concealed Vertical Rod Exit Device	F-25-C	4188 Top, 2130 Bottom	Falcon	4188 for use with or without roller
7	70	70	48	96	Three-Point Latching Device	9857, 9957, 9857-F, 9957-F	299F/499F Top/Middle, 304L Bottom	Von Duprin	
8	70	70	48	96	Rim Exit Device	98, 99, 98-F, 99-F	299F/499F	Von Duprin	
	70	70	48	96	Rim Exit Device	88-F	268,468	Von Duprin	
9	75/100 SEE NOTE 2.	75/100 SEE NOTE 2.	48	96	Rim Exit Device	XP98, XP99, XP98-F, XP99-F	909/954	Von Duprin	
10	70	70	48	96	Mortise Exit Device	9875, 9975, 9875-F, 9975-F	575	Von Duprin	
	70	70	48	96	Mortise Exit Device	8875, 8875-F	575	Von Duprin	
	70	70	48	96	Mortise Exit Device	25-M, F-25-M	1279	Falcon	
11	55	55	48	96	Exit Alarm Lock	2670 GUARD-X	267	Von Duprin	
12	60	60	48	96	Cyl. Deadlock	B600/700/800	10-055	Schlage	1" min. throw deadbolt
13	70	55	48	96	Rim Exit Device	25-R, F-25-R	299F/499F	Falcon	
14	60	60	48	96	Mortise Lock	L/LV9000/AD/CO MS	10-072	Schlage	Functions without deadbolt, 3/4" min. throw latch
15	75	75	36	84	Mortise Lock	L/LV9000/AD/CO MS	10-072	Schlage	Functions without deadbolt, 3/4" min. throw latch
	75	75	36	84	Mortise Lock	MA	ANSI	Falcon	
16	75	75	36	84	Cylindrical Lock	D/ND/AD/CO CYL	10-025	Schlage	1/2" throw latch
	75	75	36	84	Cylindrical Lock	T	ANSI	Falcon	

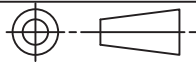
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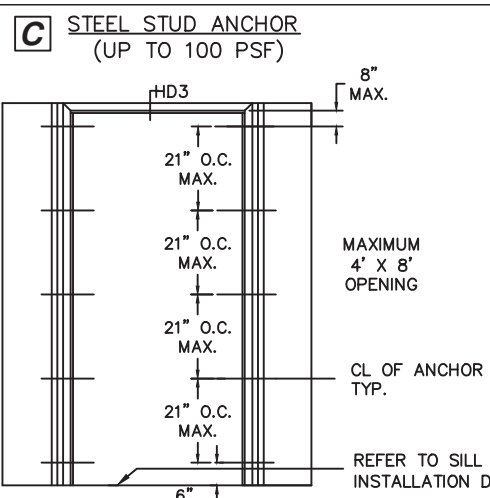
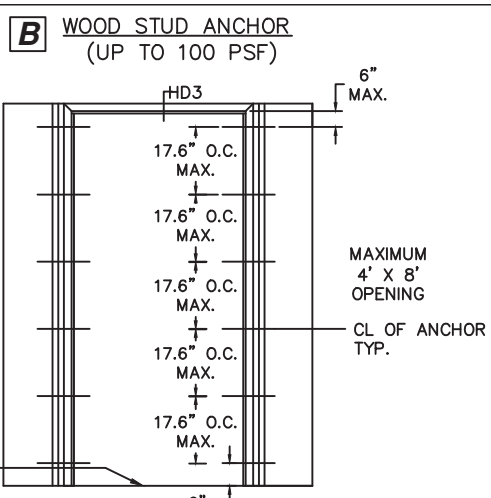
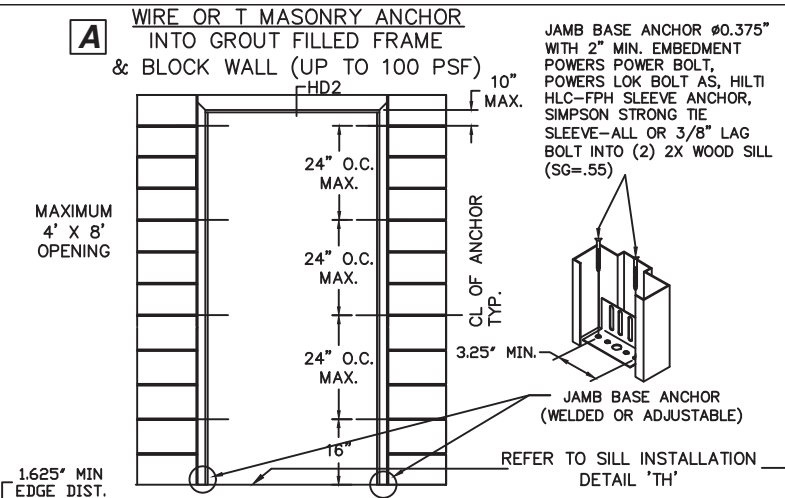
- NOTES:**
1. SEE SHEETS 8, 9 & 10 FOR LOCKING HARDWARE.
2. DOOR CONFIGURATION 9 IS RATED FOR MAXIMUM DESIGN PRESSURE UP TO ±75 PSF WITH ZERO INT'L THRESHOLD 11A OR FOR DOOR OPENINGS UP TO 3'-0"X7"-0" WITH NGP THRESHOLD 11B AND ±50 PSF FOR DOOR OPENINGS UP TO 4'-0"X8'-0" WITH NGP THRESHOLD 11B WHEN WATER IN FILTRATION REQUIREMENT IS NEEDED. SEE SHEET 5.
- 2.1 DOOR CONFIGURATION 9 IS RATED FOR A MAXIMUM DESIGN PRESSURE UP TO ±75 PSF WITH ZERO INT'L THRESHOLD OPTIONS AND UP TO ±100 PSF WITH THE NGP THRESHOLD OPTIONS WHEN WATER INFILTRATION REQUIREMENT IS NOT NEEDED. SEE SHEET 6
3. SCHLAGE AL-SERIES CYLINDRICAL LOCK, DOOR CONFIGURATION 2, IS LIMITED TO ±55 PSF MAXIMUM DESIGN PRESSURE

R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL	DWG YMF	05/20/07	
B	REVISED	DWG RAP	10/11/07	
C	REVISED	DWG RAP	12/10/07	
D	REVISED	DWG YMF	01/04/08	
E	REVISED	DWG YMF	03/31/08	
F	REVISED	DWG YMF	06/02/08	
G	REVISED	DWG YMF	03/03/09	
H	REVISED	DWG YMF	04/07/10	
J	REVISED	NAME JPD	11/01/13	
J	REVISED	NAME JPD	11/01/13	
M	ENGINEER	CHANGE LA	02/16/17	
N	ADDRESS	CHANGE JPD	01/10/20	
O	2020 FBC	UPDATE NUS	07/07/20	
P	STRIKE	UPDATE LL	04/06/22	
Q	2023 FBC	UPDATE OL	07/13/23	

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.18
Expiration Date 05/05/2028
By 
Miami-Dade Product Control

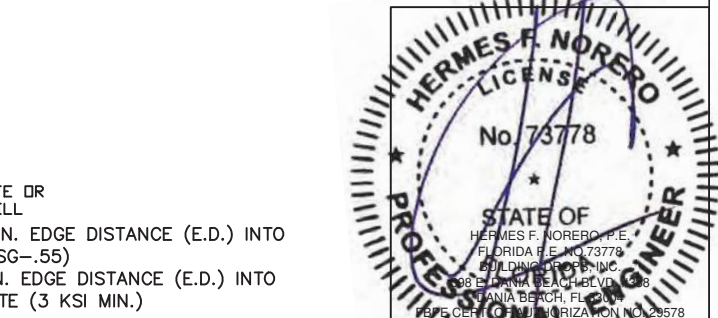
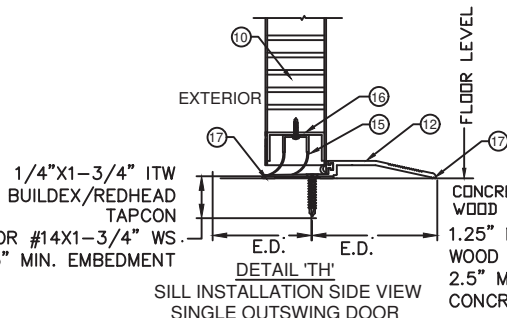
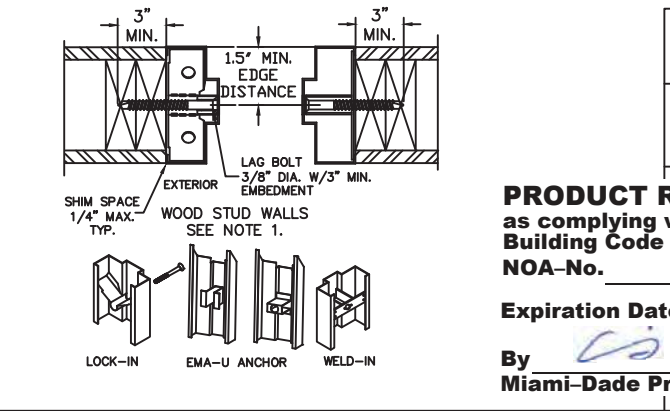
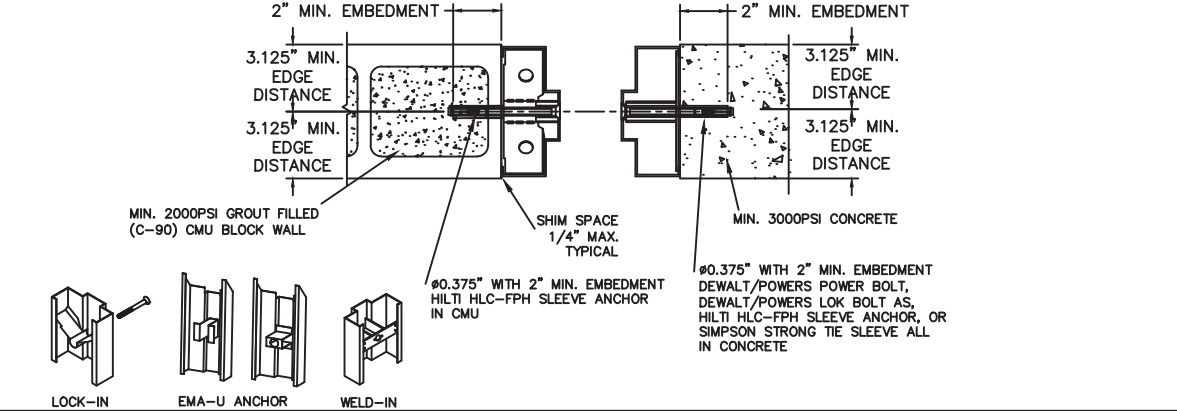
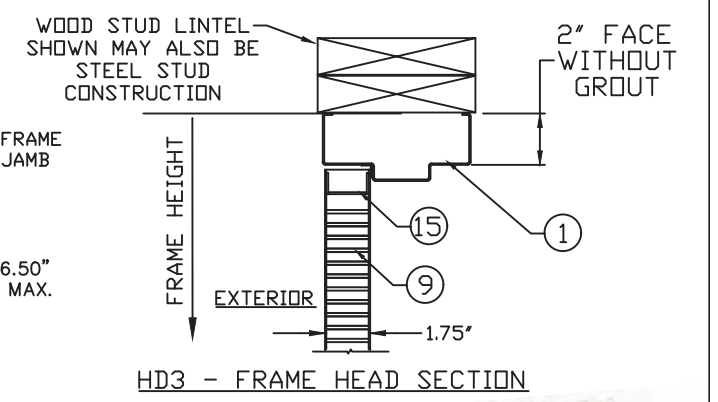
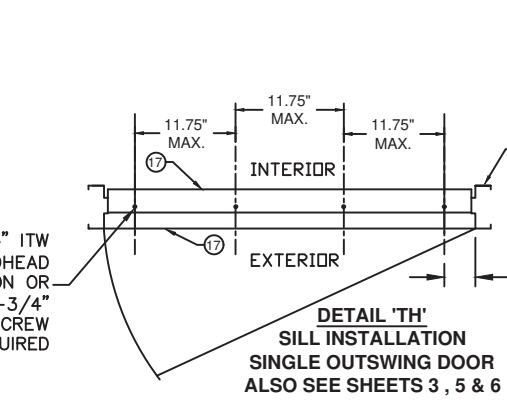
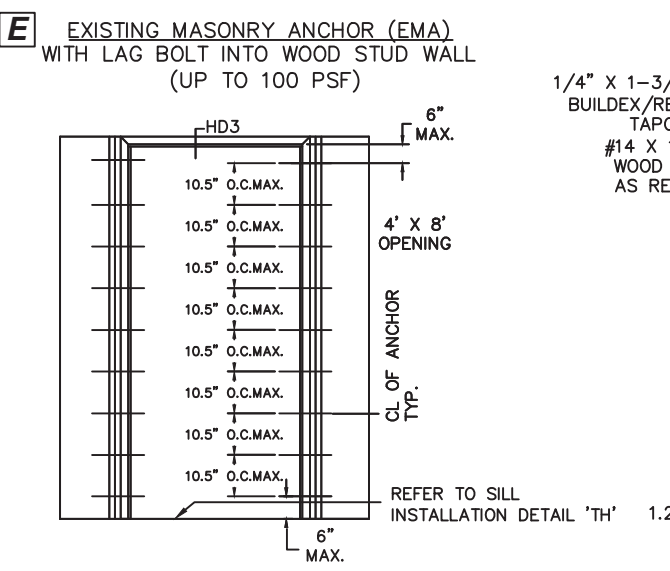
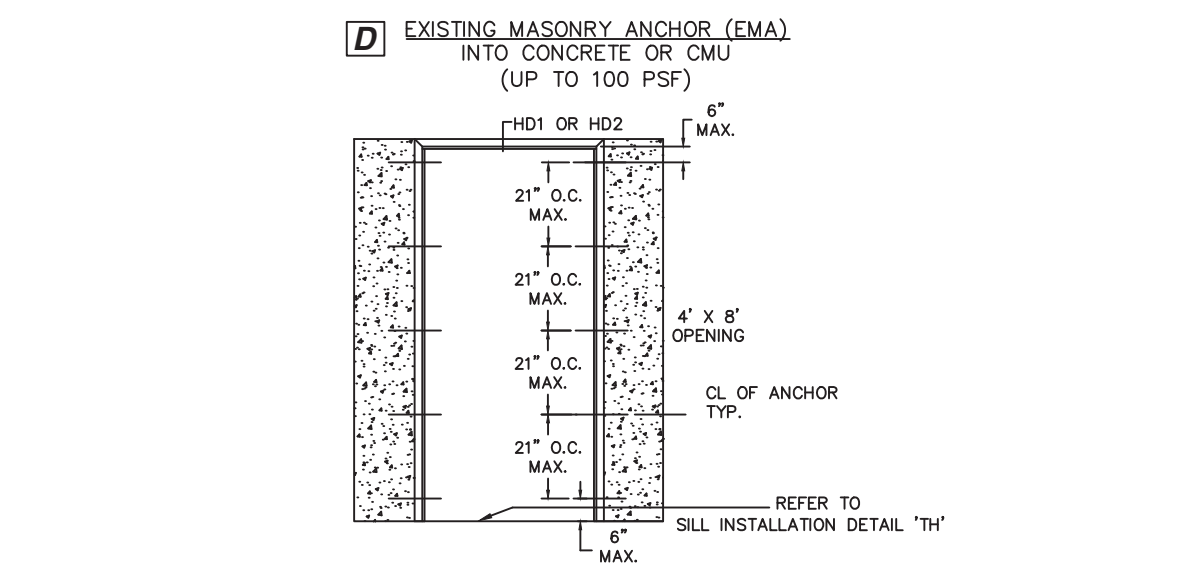
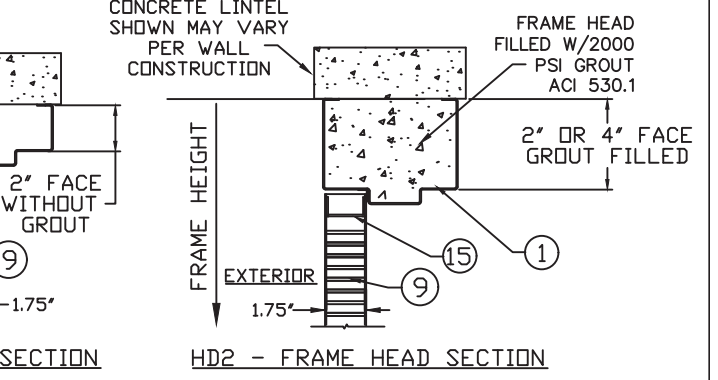
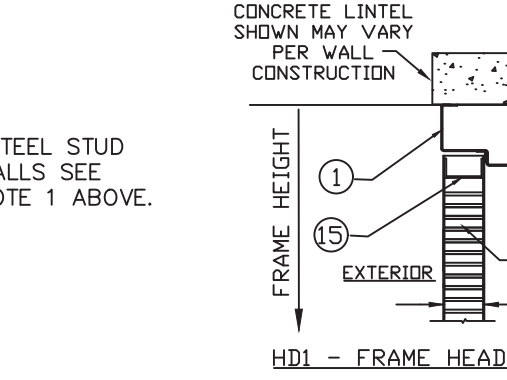
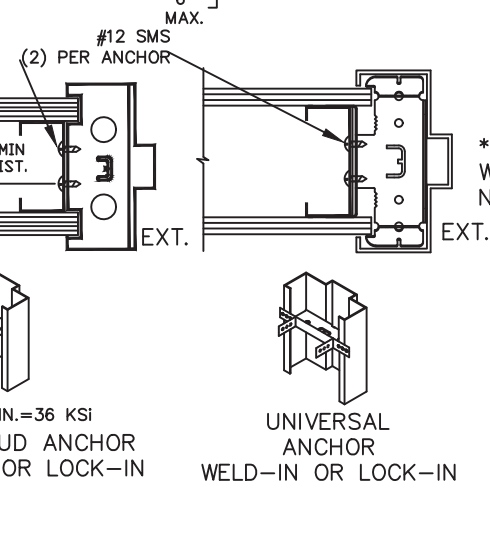
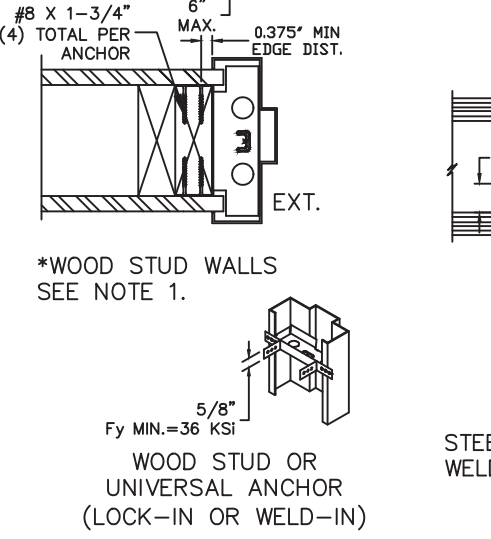
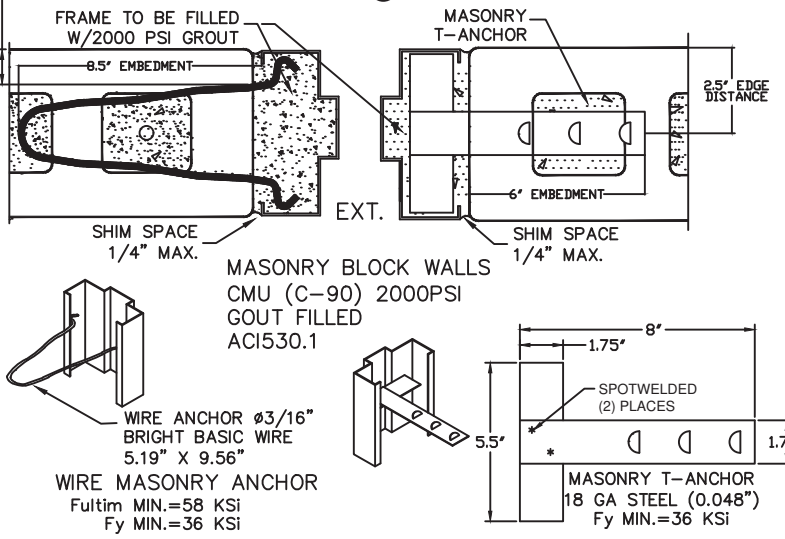


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	MIAMI-DADE COUNTY PRODUCT APPROVAL FLUSH OUTSWING DOORS AND HARDWARE CONFIGURATIONS COMMERCIAL DOOR OPENING SINGLE FLUSH DOORS.			
CHECKED					
APPROVED		SIZE	FLAT	DWG NO. IRFS07	REV Q
ENG. APPVL JPD	10/11/07	SCALE: NTS AUTOCAD			SHEET 2 of 14



NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF, AND 416#/FT. FOR ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR 100% SILICONE CAULK
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR 100% SILICONE CAULK FULL LENGTH OF SILL

R E V I S I O N S				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
G	REVISED DWG	YMF	03/03/09	
H	REVISED DWG	YMF	04/07/10	
J	REVISED NAME	JPD	11/01/13	
K	REVISED DWG	JPD	02/01/15	
L	REVISED DWG	JPD	05/05/15	
M	ENGINEER CHANGE	LA	02/16/17	
N	ADDRESS UPDATE	SM	02/27/20	
P	ANCHOR/STRIKE UPDATE LL		04/06/22	
Q	2023 FBC UPDATE	DL	07/13/23	



BEND RADIUS		THIRD ANGLE PROJECTION	
DATE 05/20/07		DATE 10/11/07	
PRODUCT REVISED as complying with the Florida Building Code NOA-No. 23-0821.18 Expiration Date 05/05/2028 By <i>CS</i> Miami-Dade Product Control			
SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES FRAME ANCHOR DETAILS & INSTALLATION CONDITIONS.			
SIZE	FLAT	DWG NO.	REV
SCALE: NTS	AUTOCAD	IRFS07	Q
SHEET 4 of 14			

TABLE 3.1 WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLD 566

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
11A	566 THRESHOLD	ZERO INT'L
14	FAS-SEAL SWEEP	STEELCRAFT
15	END CHANNEL	STEELCRAFT
18A	188S DOOR SEAL	ZERO INT'L
20A	139 DOOR SWEEP	ZERO INT'L
20B	328 DOOR SWEEP	ZERO INT'L
21A	475 ADJUSTABLE SEAL	ZERO INT'L
22A	142 RAIN DRIP	ZERO INT'L
22B	11 RAIN DRIP	ZERO INT'L
23	DOOR TOP CAP	STEELCRAFT

ZERO INT'L 566 THRESHOLD GASKETING SYSTEM REQUIREMENTS FOR WATER INFILTRATION - MAXIMUM DESIGN PRESSURE RATING 75PSF - MAXIMUM DOOR SIZE 4'-0" X 8'-0" (SEE ELEVATIONS SHEET 1)

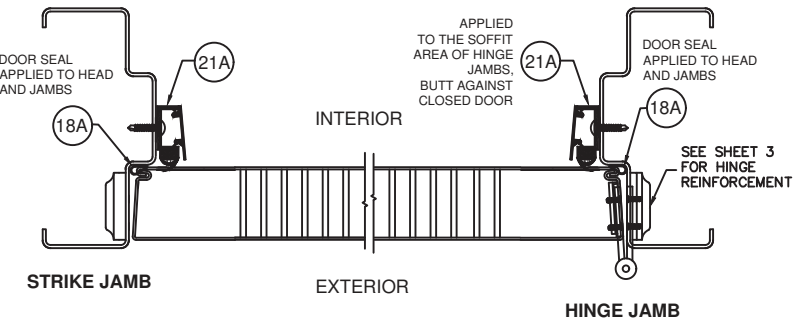
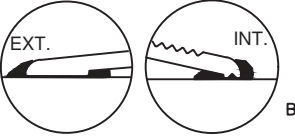
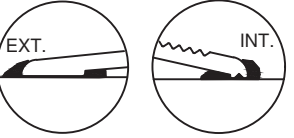
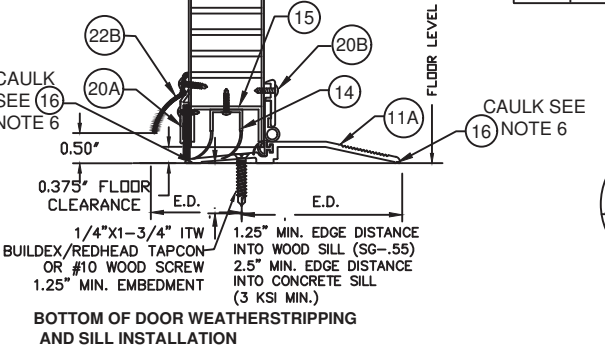
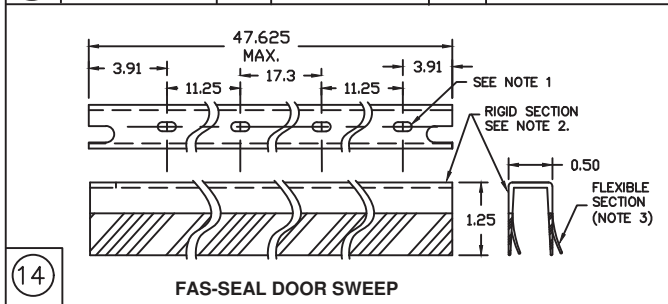
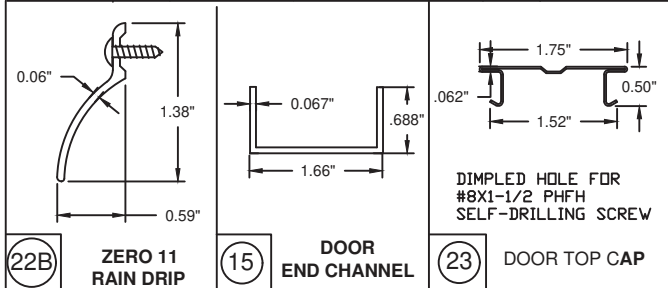
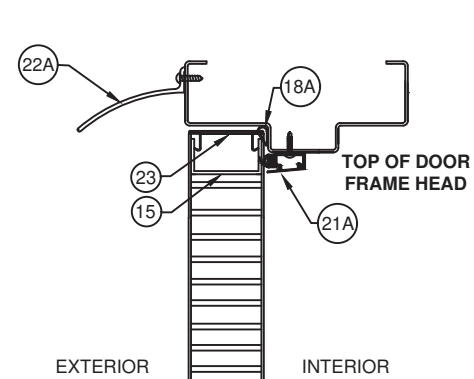
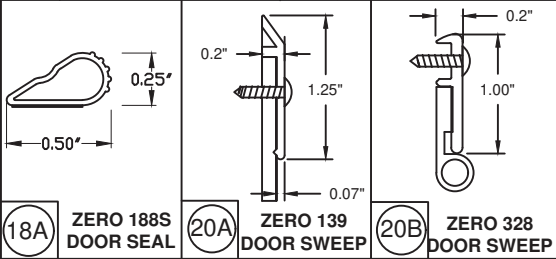
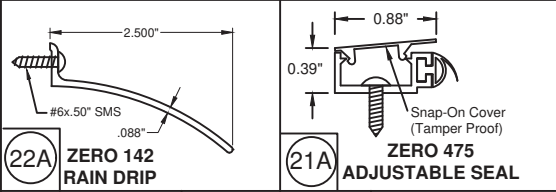
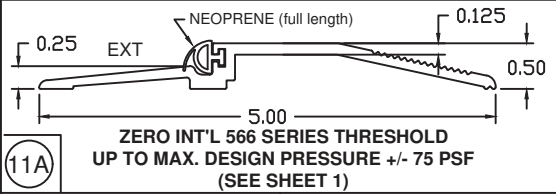
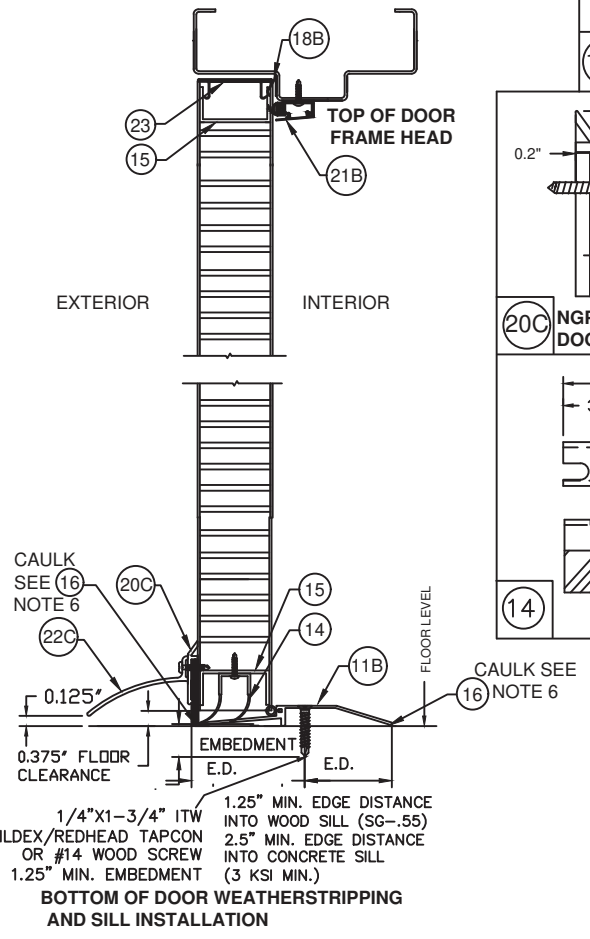
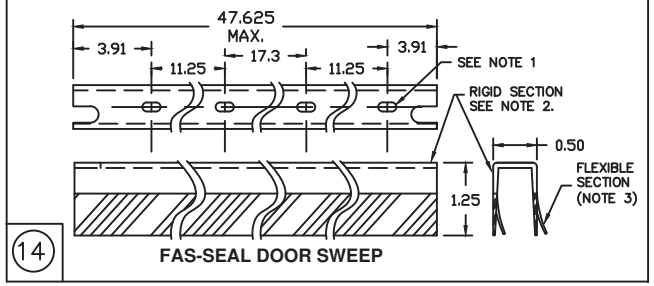
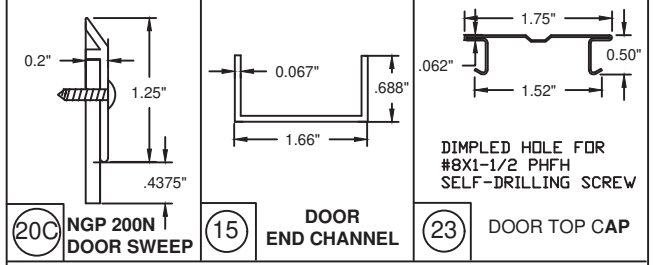
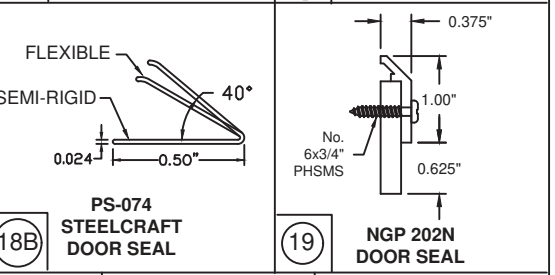
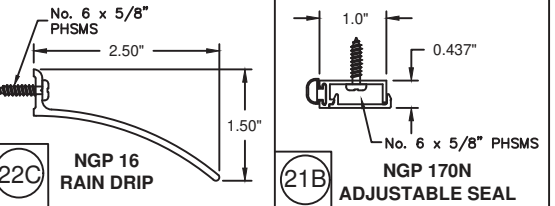
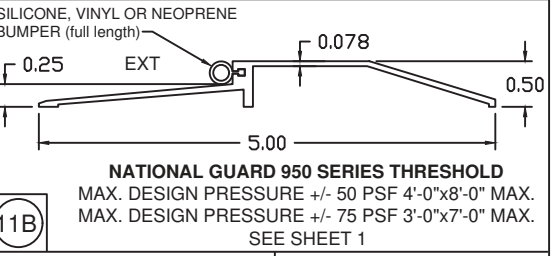


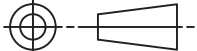
TABLE 3.2 WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
11B	950 THRESHOLD	NGP
14	FAS-SEAL SWEEP	STEELCRAFT
15	END CHANNEL	STEELCRAFT
18B	PS074 DOOR SEAL	STEELCRAFT
19	202N DOOR SEAL	NGP
20C	200N DOOR SWEEP	NGP
21B	170N ADJUSTABLE SEAL	NGP
22C	16A RAIN DRIP	NGP
23	DOOR TOP CAP	STEELCRAFT

NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS FOR WATER INFILTRATION - MAXIMUM DESIGN PRESSURE RATING 75PSF FOR MAXIMUM DOOR SIZE OF 3'-0" X 7'-0" MAXIMUM DESIGN PRESSURE 50 PSF FOR MAXIMUM DOOR SIZE OF 4'-0" X 8'-0" (SEE ELEVATIONS SHEET 1)



- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. FAS-SEAL DOOR SWEEP (14), AND THRESHOLD (11A OR 11B) ARE REQUIRED FOR ALL INSTALLATIONS.
 5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR 100% SILICONE CAULK
 6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR 100% SLICONE CAULK FULL LENGTH OF SILL

BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div> <div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>			
<div></div> <div>THIRD ANGLE PROJECTION</div>					
DRAWN YMF	DATE 05/20/07	TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
CHECKED		SINGLE FLUSH DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS REQUIRED			
APPROVED		SIZE FLAT	DWG NO. IRFS07	REV Q	
ENG. APPVL JPD	10/11/07	SCALE: NTS	AUTOCAD	SHEET 5 of 14	

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
B	REVISED DWG	RAP	10/11/07
D	REVISED DWG	YMF	01/07/07
E	REVISED DWG	YMF	04/03/08
F	REVISED DWG	YMF	06/03/08
G	REVISED DWG	YMF	03/03/09
H	REVISED DWG	YMF	04/07/10
J	REVISED NAME	JPD	11/01/13
K	REVISED DWG	JPD	02/01/15
L	REVISED DWG	JPD	05/05/15
M	ENGINEER CHANGE	LA	02/03/17
N	ADDRESS UPDATE	SM	02/27/20
O	2020 FBC UPDATE	NUS	07/07/20
P	ANCHOR/STRIKE UPDATE	LL	04/06/22
Q	2023 FBC UPDATE	DL	07/13/23

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.18

Expiration Date 05/05/2028

By
Miami-Dade Product Control

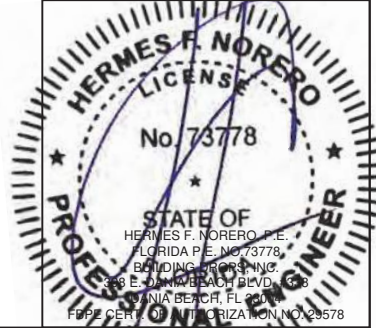
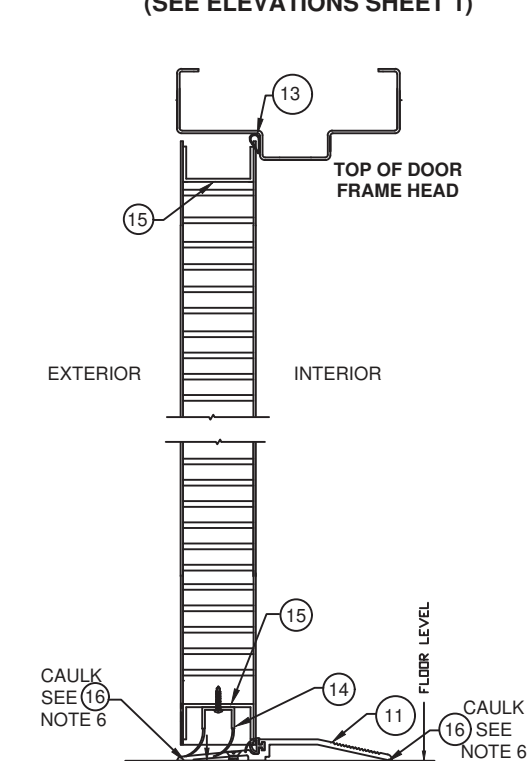
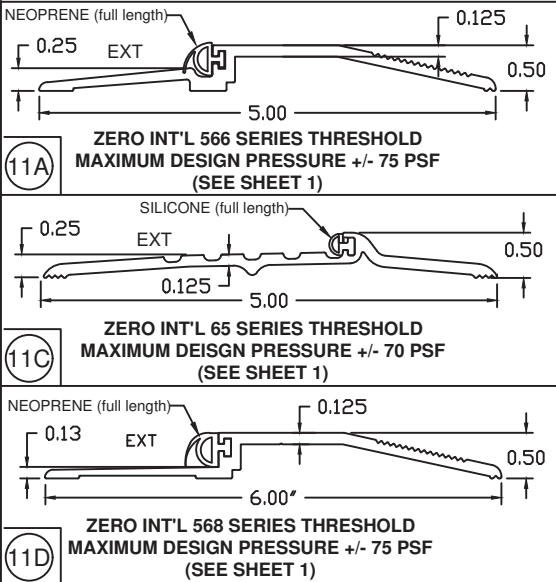


TABLE 4.1 NON WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLDS

ITEM NUMBER	MODEL No./ DESCRIPTION		MFG.
11	12A	566 THRESHOLD	ZERO INT'L
	12C	65 THRESHOLD	ZERO INT'L
	12D	568 THRESHOLD	ZERO INT'L
13	14A	PS074 DOOR SEAL	STEELCRAFT
	14B	188S DOOR SEAL	ZERO INT'L
	14C	117S DOOR SEAL	ZERO INT'L
	14D	8144S DOOR SEAL	ZERO INT'L
	14E	8150S DOOR SEAL	ZERO INT'L
14		FAS-SEAL SWEEP	STEELCRAFT
15		END CHANNEL	STEELCRAFT

ZERO INT'L 566, 65 AND 568 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED
MAXIMUM DESIGN PRESSURE RATING 75PSF -
MAXIMUM DOOR SIZE 4'-0" X 8'-0"
(SEE ELEVATIONS SHEET 1)



1/4"x1-3/4" ITW BUILDDEX/REDHEAD TAPCON OR #10 WOOD SCREW 1.25" MIN. EMBEDMENT
1.25" MIN. EDGE DISTANCE INTO WOOD SILL (SG-.55)
2.5" MIN. EDGE DISTANCE INTO CONCRETE SILL (3 KSI MIN.)
BOTTOM OF DOOR WEATHERSTRIPPING AND SILL INSTALLATION

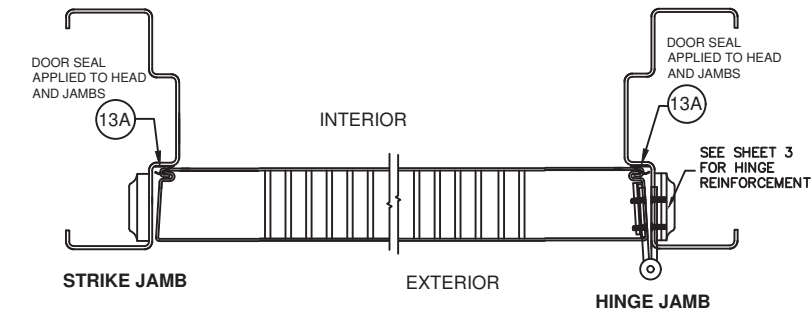
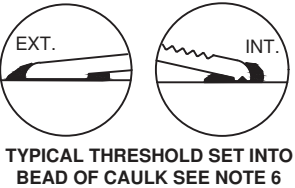
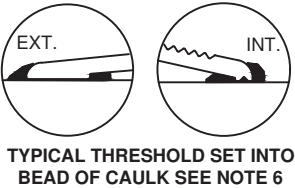
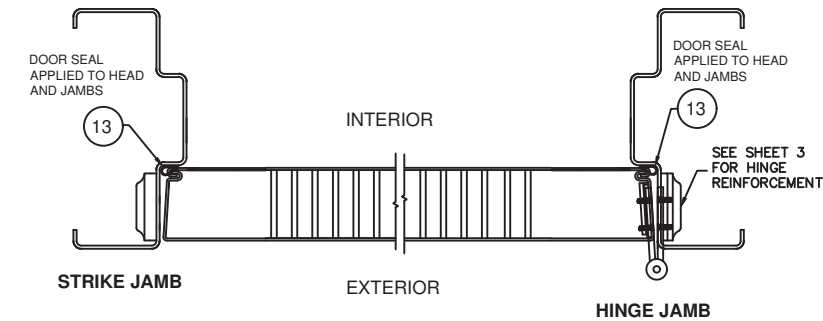
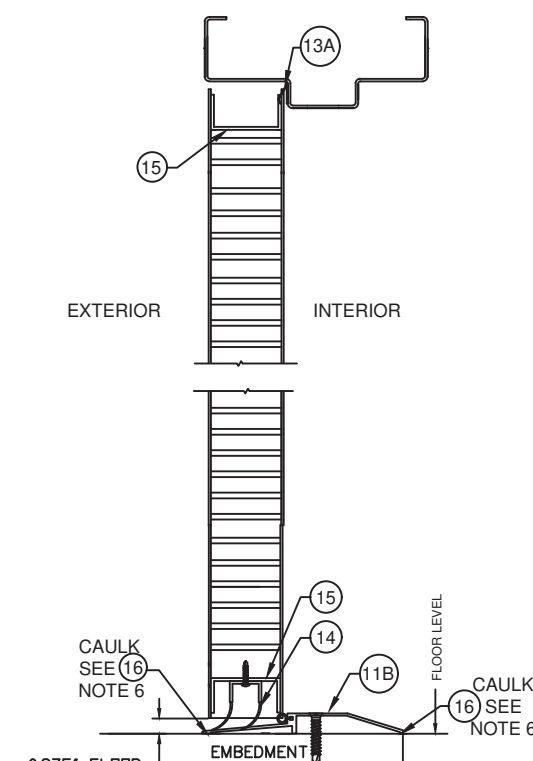
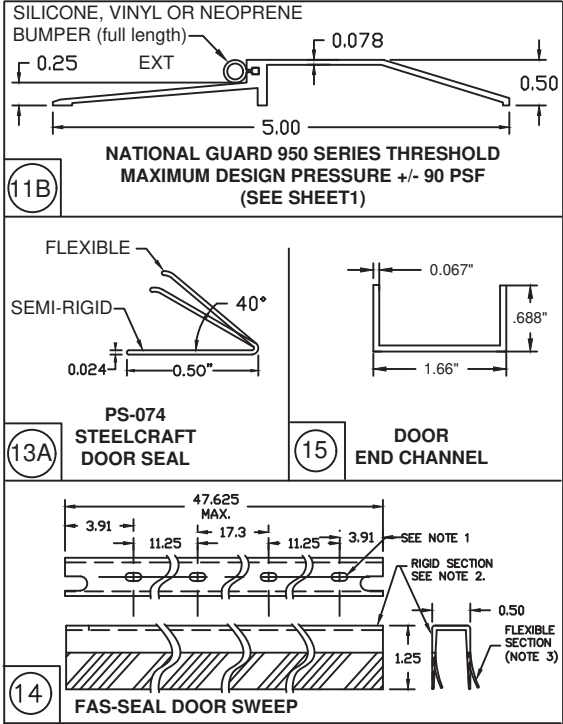


TABLE 4.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
11B	950 THRESHOLD	NGP
13A	PS074 DOOR SEAL	STEELCRAFT
14	FAS-SEAL SWEEP	STEELCRAFT
15	END CHANNEL	STEELCRAFT

NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED -
MAXIMUM DESIGN PRESSURE 100 PSF FOR
MAXIMUM DOOR SIZE OF 4'-0" X 8'-0"
(SEE ELEVATIONS SHEET 1)



0.375" FLOOR CLEARANCE
1/4"x1-3/4" ITW BUILDDEX/REDHEAD TAPCON OR #10 WOOD SCREW 1.25" MIN. EMBEDMENT
1.25" MIN. EDGE DISTANCE INTO WOOD SILL (SG-.55)
2.5" MIN. EDGE DISTANCE INTO CONCRETE SILL (3 KSI MIN.)
BOTTOM OF DOOR WEATHERSTRIPPING AND SILL INSTALLATION

- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. FAS-SEAL DOOR SWEEP (15), DOOR SEAL (13A, 13B, 13C, 13D, 13E) AND THRESHOLD (11A, 11B, 11C, 11D) AS APPLICABLE, ARE REQUIRED FOR ALL INSTALLATIONS.
 5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR 100% SILICONE CAULK
 6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR 100% SILICONE CAULK FULL LENGTH OF SILL

BEND RADIUS		THIRD ANGLE PROJECTION		DRAWN		DATE		CHECKED		APPROVED		ENG. APPVL		JPD		10/11/07		SCALE: NTS		AUTOCAD		SHEET 6 of 14	
SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES		SINGLE FLUSH DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS NOT REQUIRED		SIZE		FLAT		DWG NO.		IRFS07		REV		Q							

REVISIONS

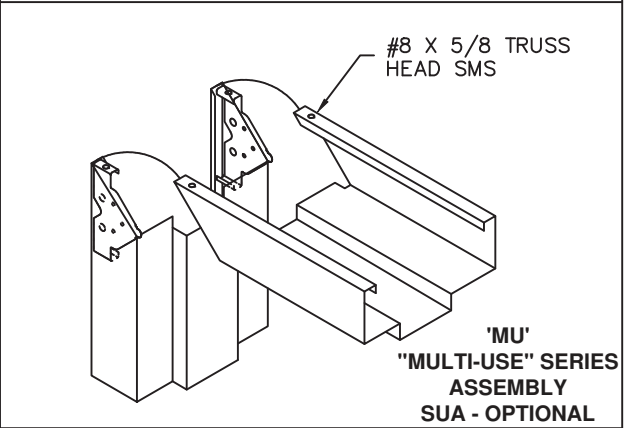
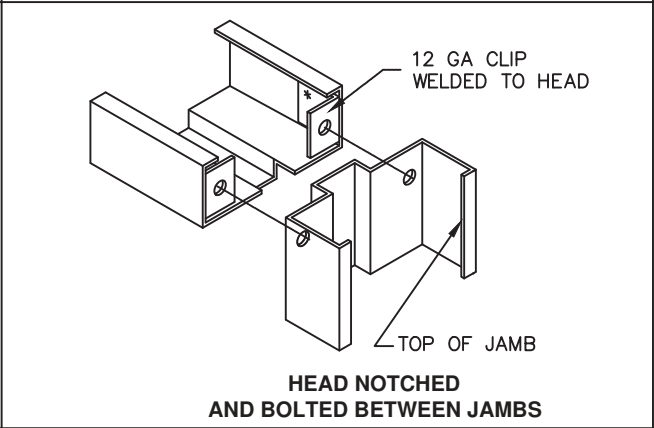
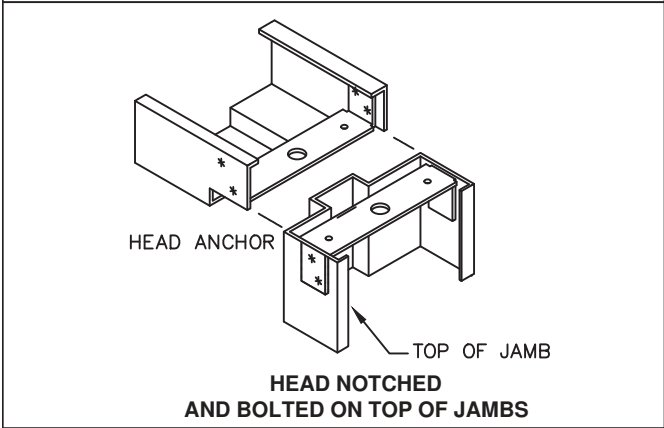
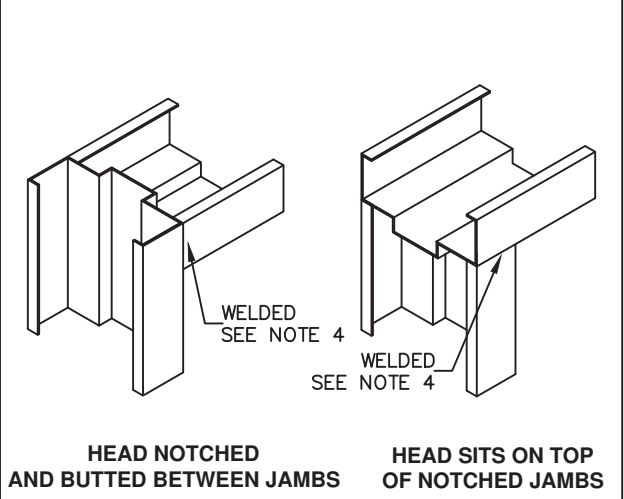
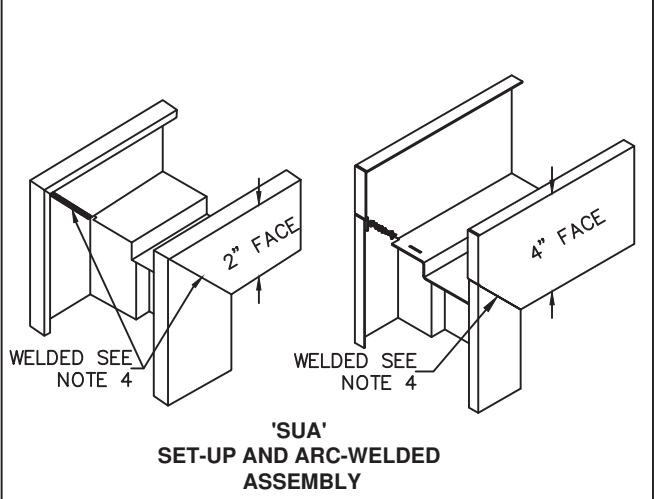
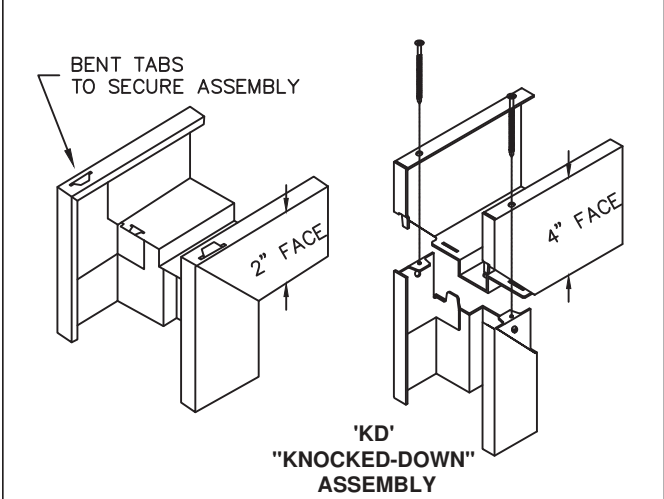
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E	REVISED DWG	YMF	04/03/08
F	REVISED DWG	YMF	06/03/08
G	REVISED DWG	YMF	03/03/09
H	REVISED DWG	YMF	04/07/10
J	REVISED NAME	JPD	11/01/13
K	REVISED DWG	JPD	02/01/15
L	REVISED DWG	JPD	05/05/15
M	ENGINEER CHANGE	LA	02/03/17
N	ADDRESS UPDATE	SM	02/27/20
O	2020 FBC UPDATE	NUS	07/07/20
P	ANCHOR/STRIKE UPDATE	LL	04/06/22
Q	2023 FBC UPDATE	DL	07/13/23

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NOA-No. 23-0821.18

Expiration Date 05/05/2028

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R E V I S I O N S					
LTR	DESCRIPTION			DATE	APPROVED
D	REVISED	DWG	YMF	01/08/08	
H	REVISED	DWG	YMF	04/07/10	
J	REVISED	NAME	JPD	11/01/13	
K	REVISED	NAME	JPD	02/01/15	
M	ENGINEER	CHANGE	LA	02/16/17	
N	ADDRESS	UPDATE	SM	02/27/20	
P	ANCHOR/STRIKE UPDATE		LL	04/06/22	
Q	2023 FBC UPDATE		OL	07/13/23	

TABLE 5. AVAILABLE STEELCRAFT DOOR CONFIGURATIONS

CORE MATERIAL PER SHT.4	MAXIMUM OPENING SIZE		SKIN MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK
HONEYCOMB POLYSTYRENE POLYURETHANE (POLYSOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	VARIES SEE SHEET 2 TABLE 1		CRS GALV	16/.053" 14/.067"
HONEYCOMB POLYSTYRENE POLYURETHANE	VARIES SEE SHEET 2 TABLE 1		STAINLESS STEEL	16/.053"

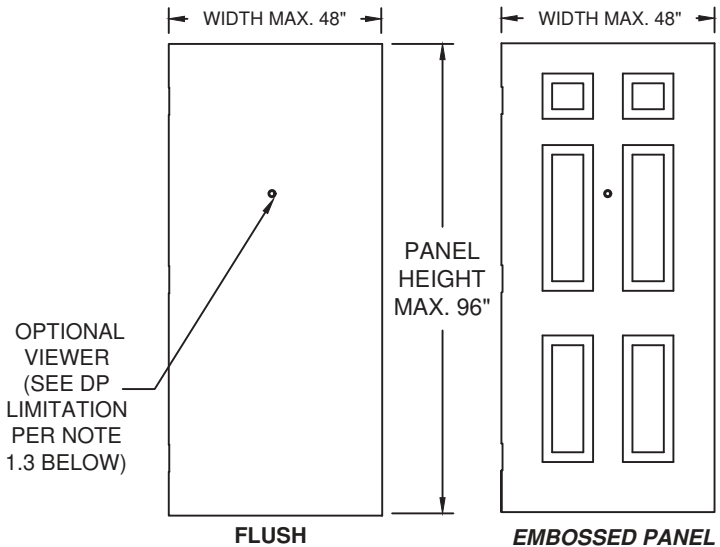
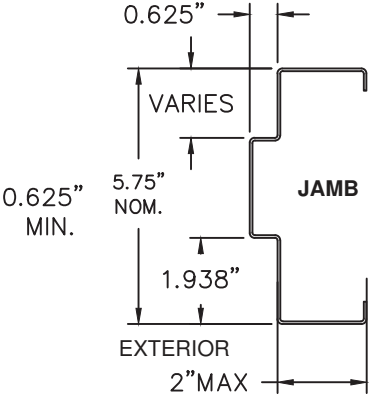
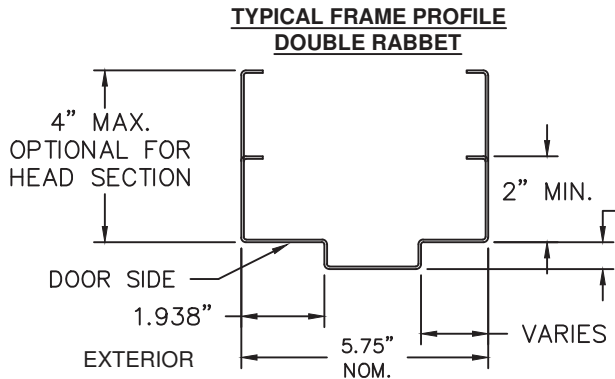
TABLE 6. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

FRAME SERIES	JAMB DEPTH	MAX. OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" NOM.	VARIES SEE SHEET 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067" 12/.099"
				STAINLESS STEEL	16/.053"
MU	5.75" NOM.	VARIES SEE SHEET 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067"

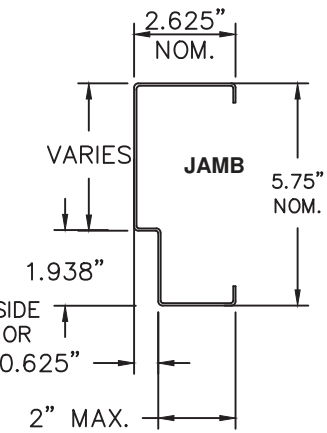
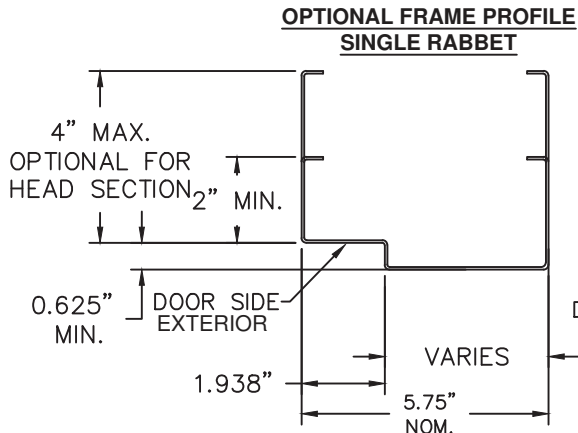
TABLE 7. STEEL DOOR/FRAME
MECHANICAL PROPERTIES


MATERIAL	ASTM REF.	YIELD KSi	TENSILE KSI
CRS	A366	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV: A60	A924	MIN. 31.2	MIN. 73.2
SS: 304,316	A240		

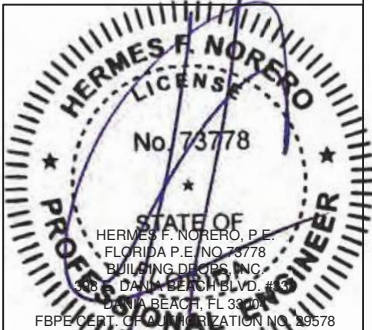
AVAILABLE DOOR PANEL CONFIGURATIONS

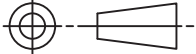


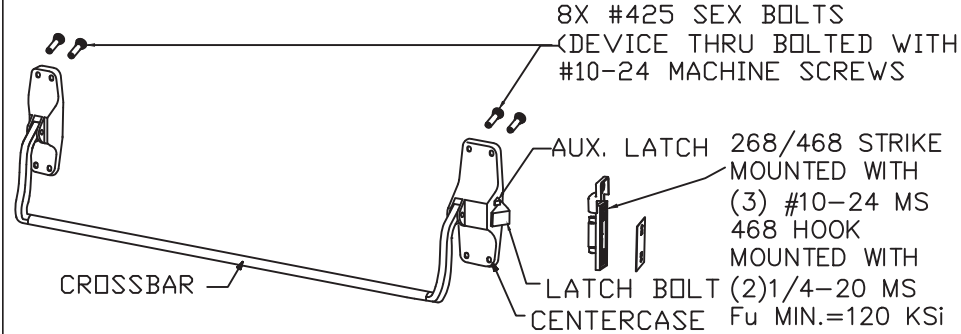
- NOTES:
- DOOR CONSTRUCTION
 - 1.1. MINIMUM DOOR THICKNESS - 1 3/4"
 - 1.2. DOOR SIZE MAY VARY, SUBJECTED TO COMPLIANCE WITH FLORIDA BUILDING CODE AND PRODUCT(DOOR, FRAME AND HARDWARE) AVAILABILITY FROM MANUFACTURER (SEE SHEET 2 FOR AVAILABLE HARDWARE)
 - 1.3 DOOR VIEWERS ARE PERMITTED TO BE USED IN DOOR WITH A DESIGN PRESSURE OF +/-75PSF OR LESS. MAXIMUM 9/16" DIAMETER HOLE THROUGH DOOR FOR VIEWER INSTALLATION.
 2. FRAME CONSTRUCTION
 - 2.1 NOMINAL JAMB DEPTH - 5-3/4", STOP HEIGHT - 5/8"
 - 2.2 FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULTI-USE (MU-SERIES) (SEE TABLE 6)
 3. FOR DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 7.
 4. CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM. GRIND, SMOOTH, PRIME, & PAINT. WELD CLASSIFICATION - E70XX



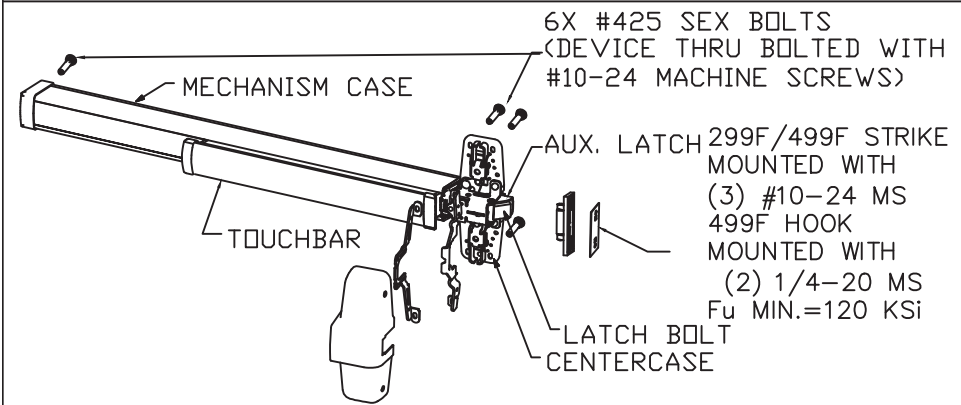
PRODUCT REVISED
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NOA-No. 23-0821.18
Expiration Date 05/05/2028
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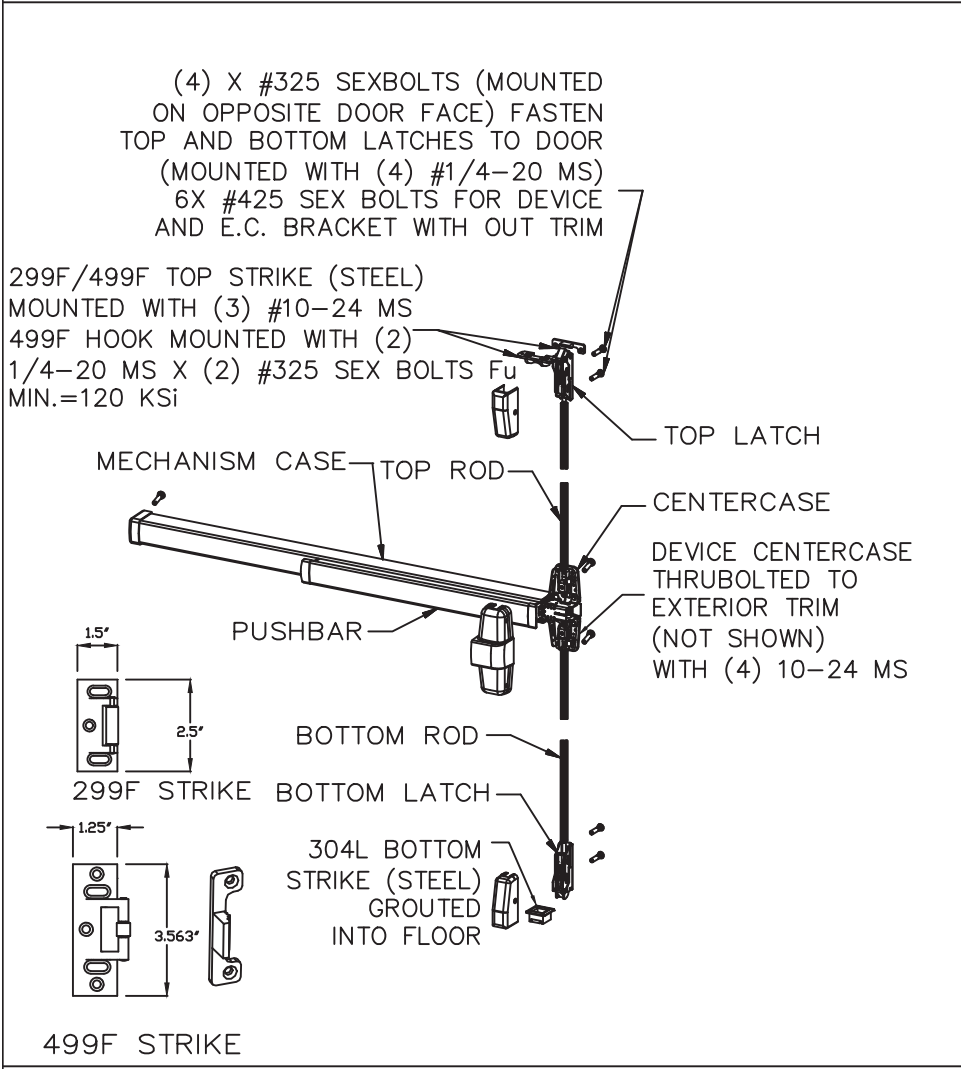
BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div>			<div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>						
<div></div> <div>THIRD ANGLE PROJECTION</div>											
DRAWN YMF		DATE 05/20/07		<div>TITLE STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES</div> <div>FRAME PROFILE, CORNER DETAILS AND DOOR FRAME MATERIAL, AND SIZE OPTIONS</div>							
CHECKED											
APPROVED				SIZE		FLAT	DWG NO. IRFS07		REV Q		
ENG. APPVL JPD		10/11/07		SCALE:		NTS		AUTOCAD		SHEET 7 of 14	



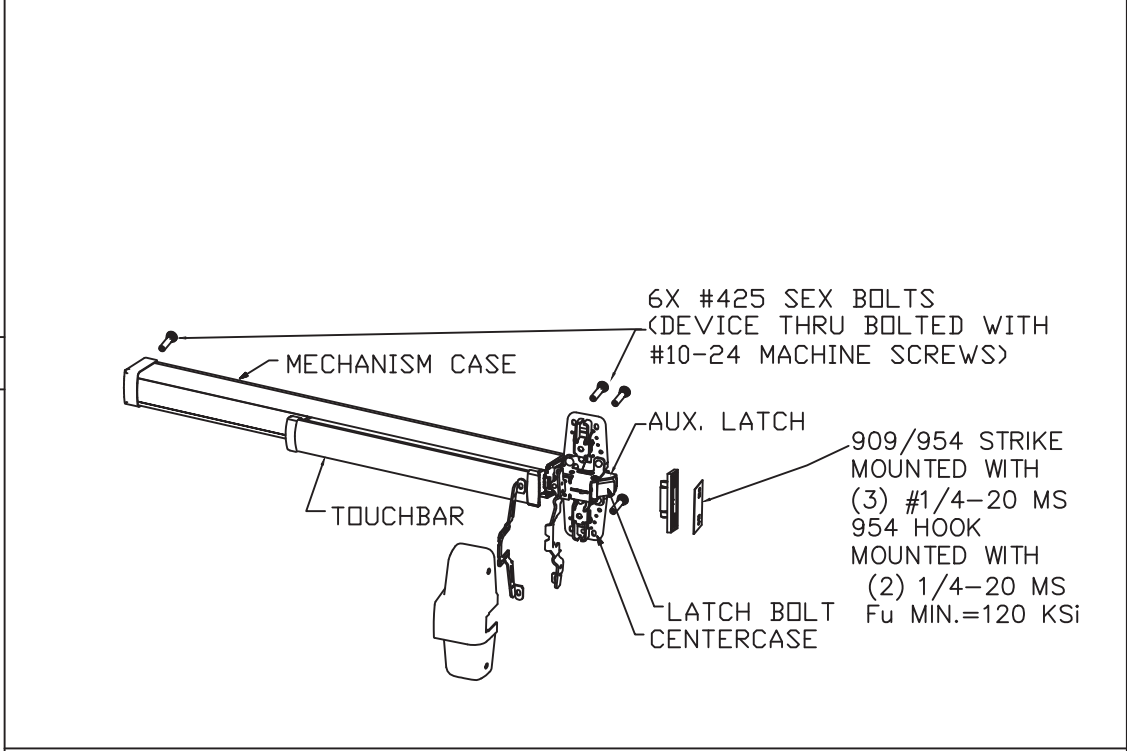
RIM EXIT DEVICE VON DUPRIN 88-F
USED IN DOOR CONFIGURATION 8 (SEE SHT.1)



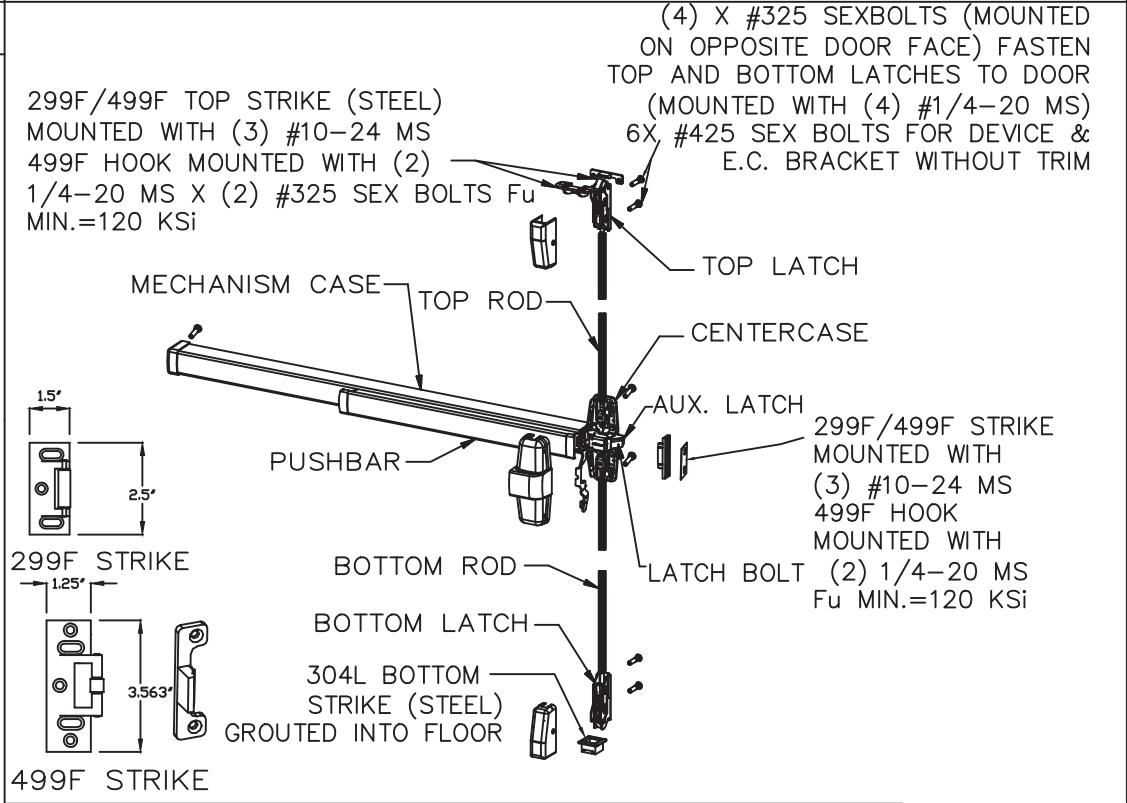
RIM EXIT DEVICE VON DUPRIN 98, 99, 98-F & 99-F
(USED IN DOOR CONFIGURATION 8 (SEE SHT.1))



SURFACE VERTICAL ROD EXIT DEVICE VON DUPRIN 9827, 9927, 9827-F & 9927-F
USED IN DOOR CONFIGURATION 5 (SEE SHT.1)



RIM EXIT DEVICE VON DUPRIN XP98, XP99, XP98-F & XP99-F
USED IN DOOR CONFIGURATION 9 (SEE SHT.1)



THREE-POINT EXIT DEVICE VON DUPRIN 9857, 9957, 9857-F & 9957-F
USED IN DOOR CONFIGURATION 7 (SEE SHT.1)


NOTES:
ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.
EXIT HARDWARE OPTIONS:
FOR 98/99 XP98/99 SERIES - E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN TRIMS: ALL APPLICABLE TRIMS AVAILABLE.
PN MODEL OFFERED.

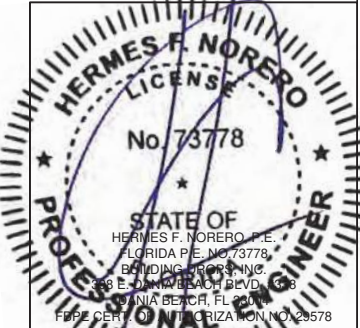
BEND RADIUS

THIRD ANGLE PROJECTION

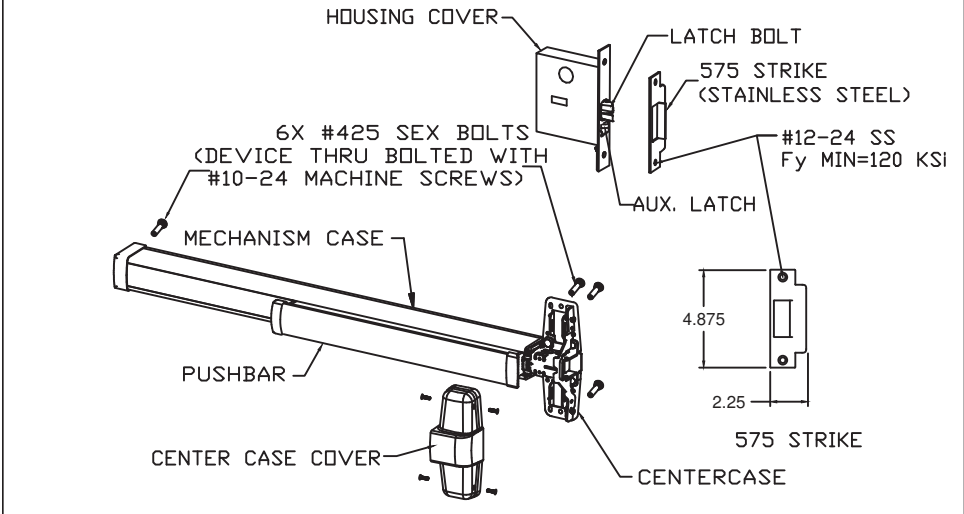
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CHECKED	CDATE
APPROVED	ADATE
ENG. APPVL	EDATE
JPD	10/11/07

R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07	
D	REVISED DWG	YMF	01/08/08	
F	REVISED DWG	YMF	06/03/08	
G	REVISED DWG	YMF	03/03/09	
H	REVISED DWG	YMF	04/07/10	
J	REVISED NAME	JPD	11/01/13	
K	REVISED DWG	JPD	02/01/15	
M	ENGINEER CHANGE	LA	02/16/17	
N	ADDRESS CHANGE	JPD	01/10/20	
O	2020 FBC UPDATE	NUS	07/07/20	
P	ANCHOR/STRIKE UPDATE	LL	04/06/22	
Q	2023 FBC UPDATE	DL	07/13/23	

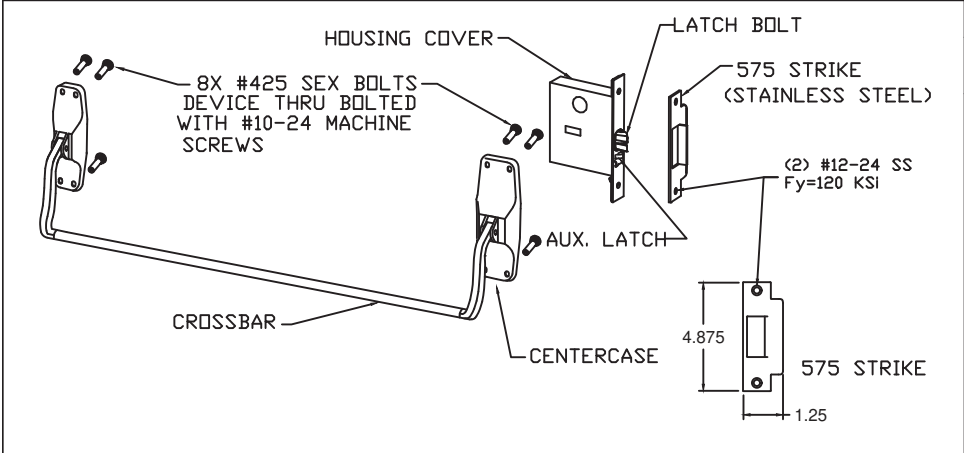
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NOA-No. 23-0821.18
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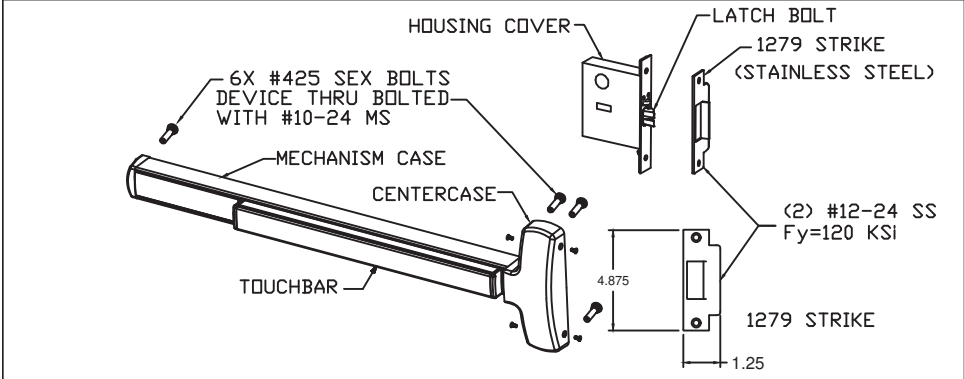
SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES				
EXIT HARDWARE OPTIONS FOR FLUSH SINGLE DOORS				
SIZE	FLAT	DWG NO.	IRFS07	REV Q
SCALE:	NTS	AUTOCAD	SHEET	8 of 14



MORTISE EXIT DEVICE VON DUPRIN 9875, 9975, 9875-F & 9975-F
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

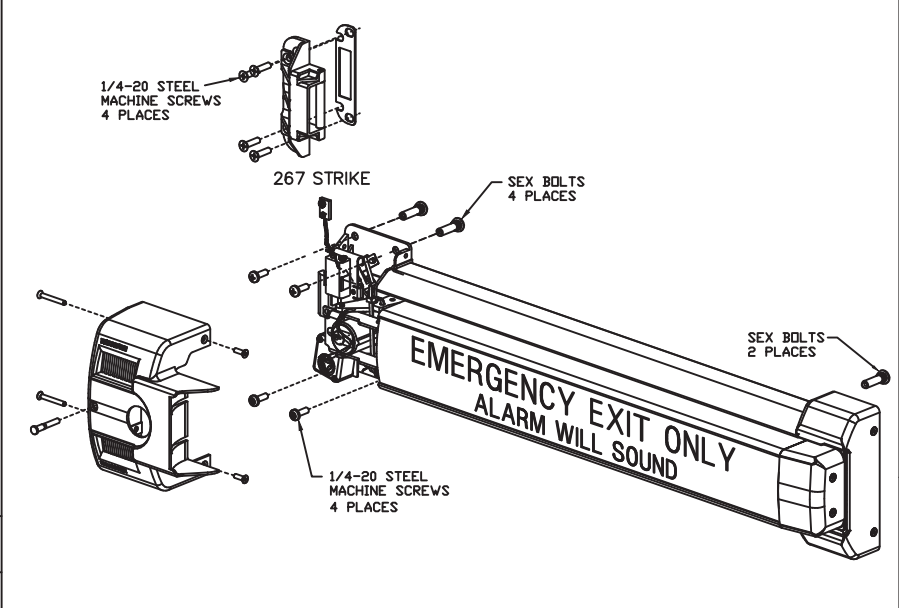


MORTISE EXIT DEVICE VON DUPRIN 8875 & 8875-F
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

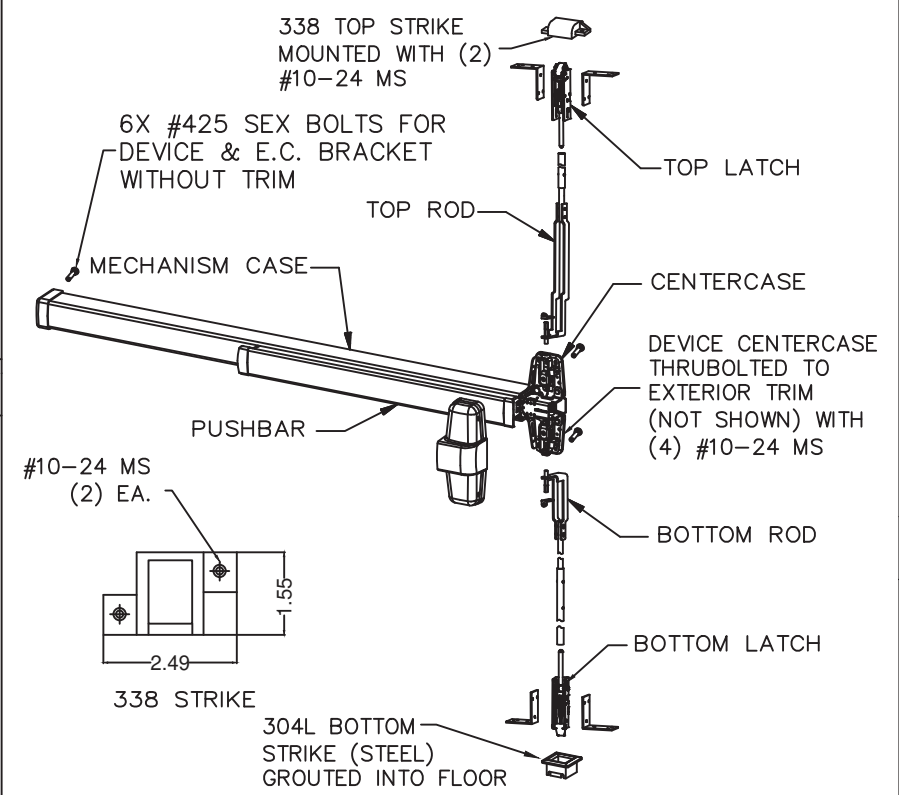


MORTISE EXIT DEVICE FALCON 25-M & F-25-M
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

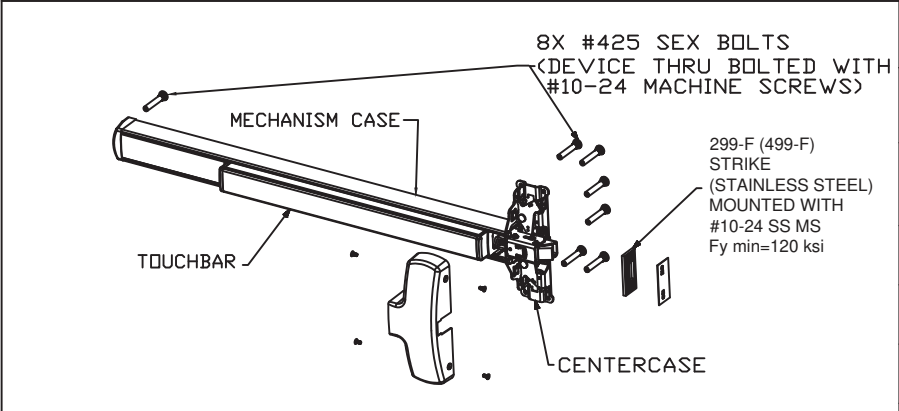
NOTES:
1. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.
2. EXIT HARDWARE OPTIONS:
FOR 98/99 & XP98/99 SERIES - E, RX, LX, SS, EL, QEL, CX, F ALK, CD, PN TRIMS: ALL APPLICABLE TRIMS AVAILABLE.
FOR 88-F SERIES RIM - OPTION E
TRIMS: ALL APPLICABLE TRIMS AVAILABLE. PN MODEL OFFERED.
FOR 2670 GUARD-X
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.
FOR FALCON (F)25-R, (F)25-M, F-25-C & (F)25-V SERIES - AE, DM, LM, LK, KOR, ED, MEL, EA, FSA, FSE, CD, LD, HWEA
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.



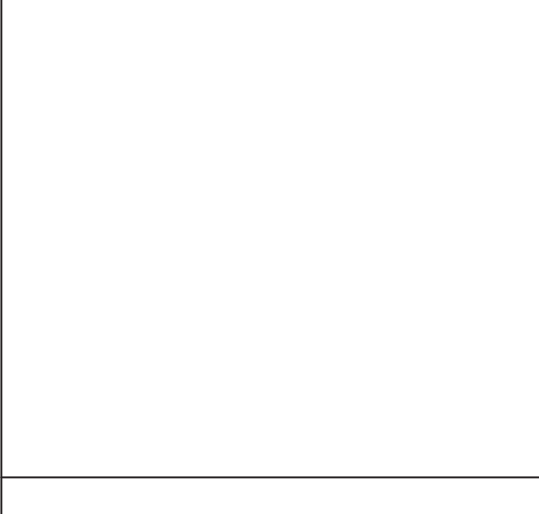
EXIT ALARM LOCK VON DUPRIN 2670 GUARD-X
USED IN DOOR CONFIGURATION 11 (SEE SHT.1)



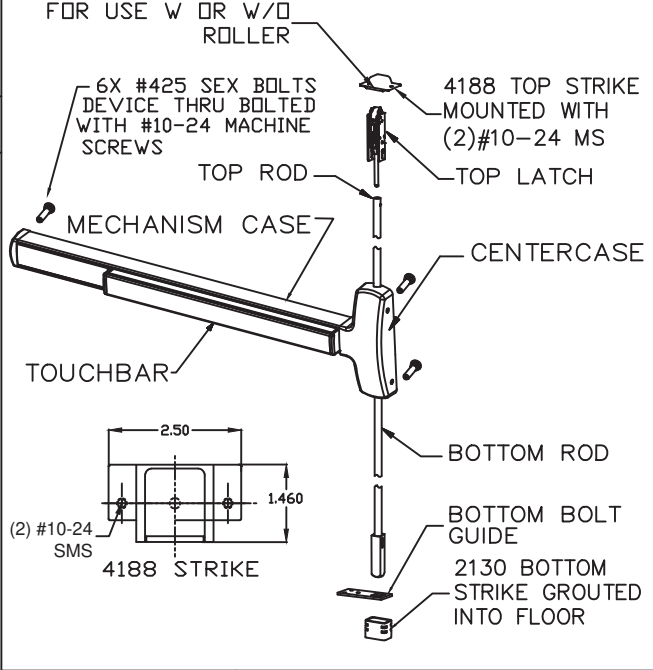
CONCEALED VERTICAL ROD EXIT DEVICE VON DUPRIN
98/9947-F & HH98/9947 WITH 2-3/4" BACKSET
USED IN DOOR CONFIGURATION 6 (SEE SHT.1)



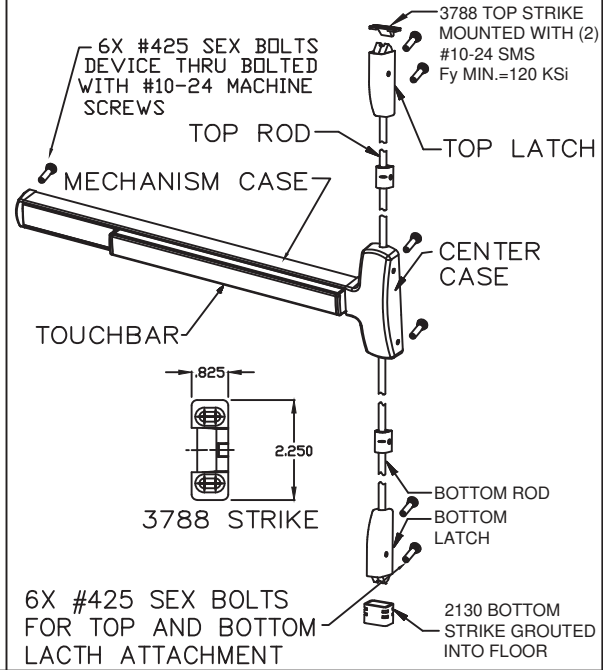
RIM EXIT DEVICE FALCON (F)25-R
USED IN DOOR CONFIGURATION 13 (SEE SHT.1)



R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
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E	REVISED	DWG	YMF	04/08/08
F	REVISED	DWG	YMF	06/03/08
G	REVISED	DWG	YMF	03/03/09
H	REVISED	DWG	YMF	04/07/10
J	REVISED	NAME	JPD	11/01/13
K	REVISED	DWG	JPD	02/01/15
M	ENGINEER	CHANGE	LA	03/10/17
N	ADDRESS	CHANGE	JPD	01/10/20
P	ANCHOR/STRIKE	UPDATE	LL	04/06/22
Q	2023 FBC	UPDATE	DL	07/13/23

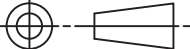


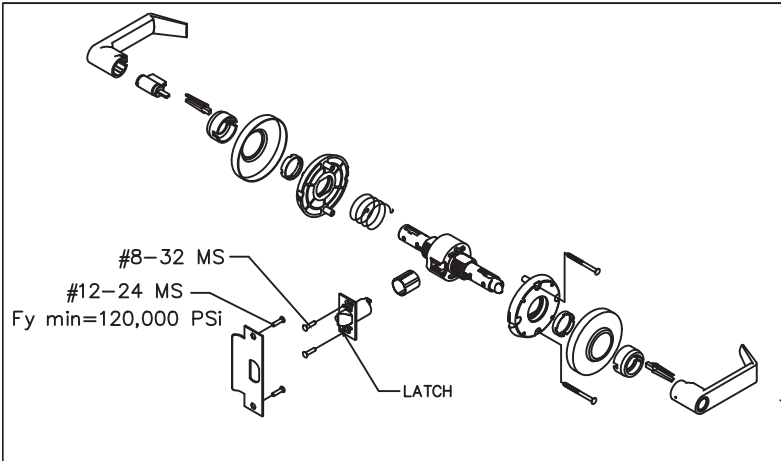
CONCEALED VERTICAL ROD EXIT DEVICE FALCON F-25-C
USED IN DOOR CONFIGURATION 6 (SEE SHT.1)



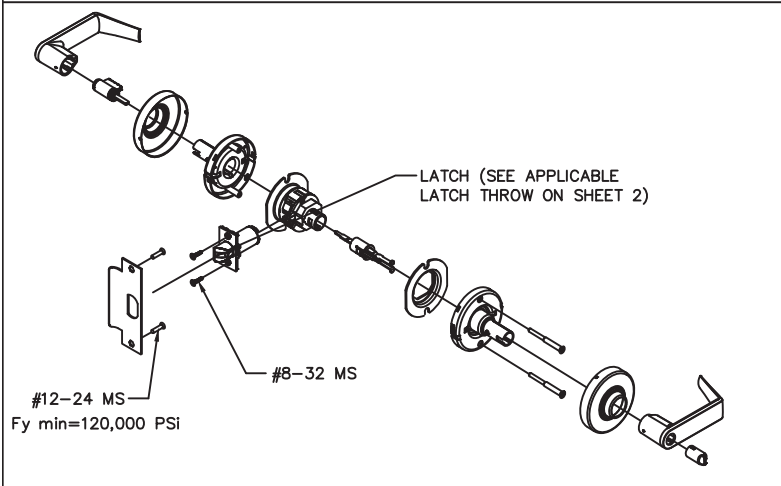
SURFACE VERTICAL ROD EXIT DEVICE FALCON (F)25-V
USED IN DOOR CONFIGURATION 5 (SEE SHT.1)

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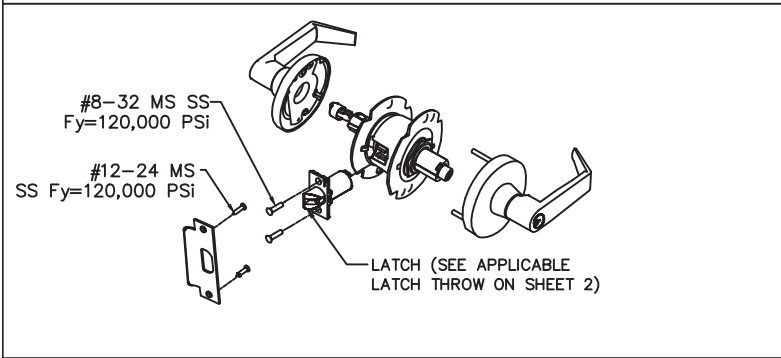
BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242					
THIRD ANGLE PROJECTION											
DRAWN YMF		DATE 05/20/07		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES EXIT HARDWARE OPTIONS FOR FLUSH SINGLE DOORS							
CHECKED											
APPROVED				SIZE		FLAT		DWG NO. IRFS07		REV Q	
ENG. APPVL JPD		10/11/07		SCALE:		NTS		AUTOCAD		SHEET 9 of 14	



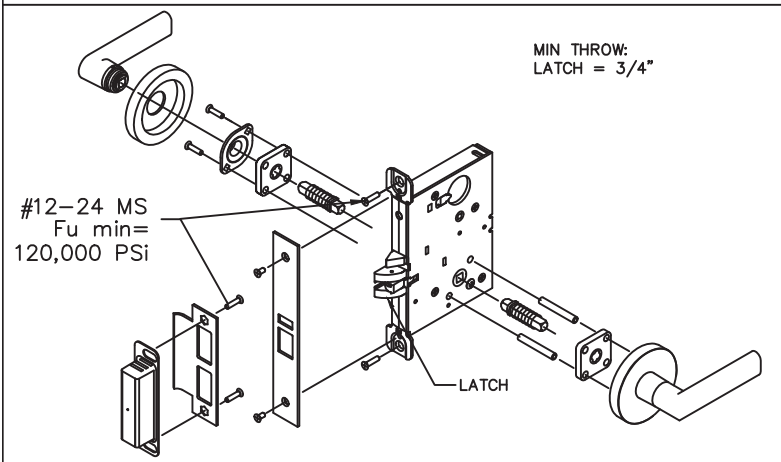
SCHLAGE AL-SERIES **CYLINDRICAL LOCKSET** WITH 1/2" THROW LATCH
USED IN **DOOR CONFIGURATION 2** (SEE SHT.1)



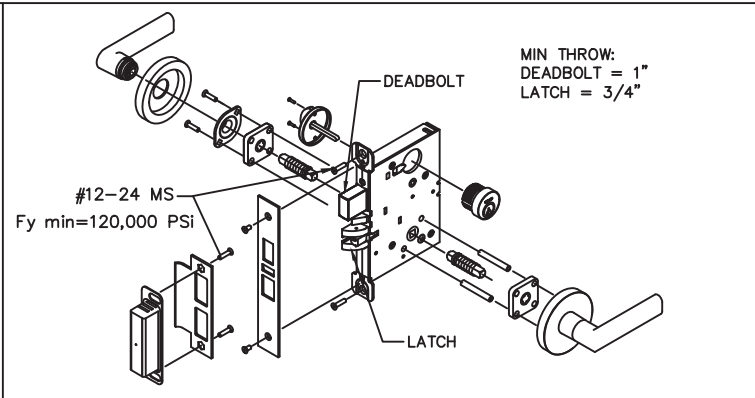
SCHLAGE D/ND-SERIES CYLINDRICAL LOCKSET
USED IN **DOOR CONFIGURATIONS 3 & 4 & 16** (SEE SHTS.1&2)



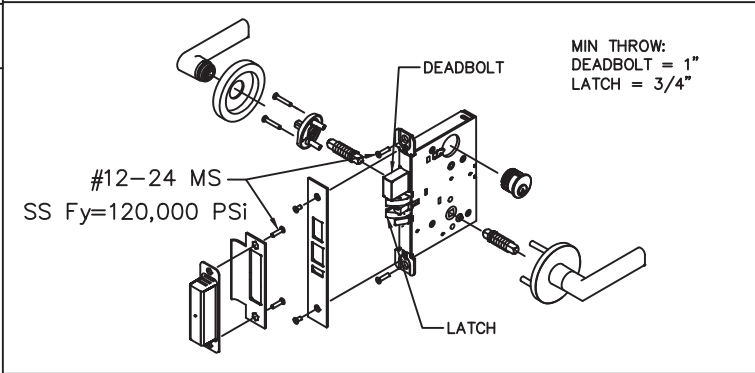
FALCON T-SERIES CYLINDRICAL LOCKSET
USED IN **DOOR CONFIGURATIONS 4 & 16** (SEE SHTS.1&2)



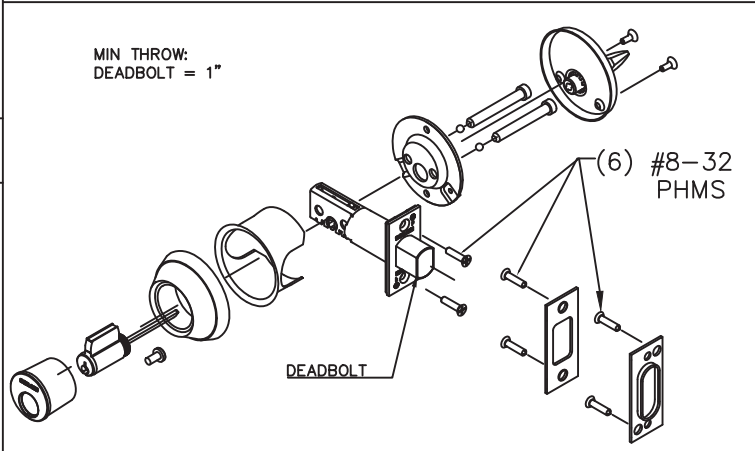
SCHLAGE L/LV 9000 SERIES MORTISE **LOCKSET** WITHOUT DEADBOLT
USED IN **DOOR CONFIGURATIONS 14 & 15** (SEE SHTS.1&2)



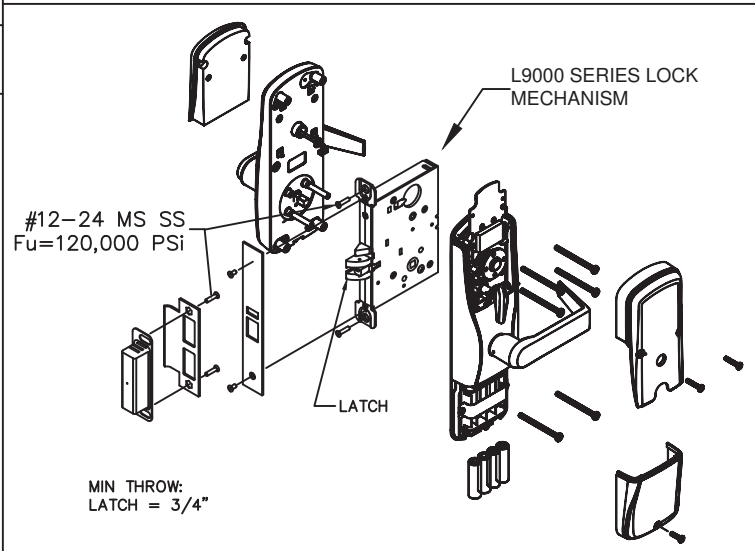
SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET WITH DEADBOLT
FUNCTION USED IN **DOOR CONFIGURATION 1** (SEE SHTS.1&2)



FALCON MA-SERIES MORTISE LOCKSET WITH DEADBOLT FUNCTION
USED IN **DOOR CONFIGURATION 1** (SEE SHTS.1&2)

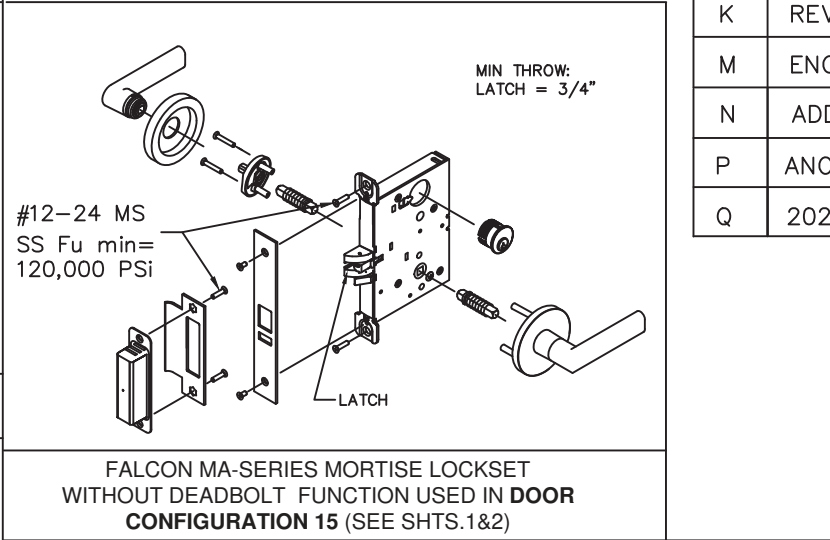


SCHLAGE B600/700/800 CYLINDRICAL DEADLOCK
USED IN **DOOR CONFIGURATION 12** (SEE SHTS.1&2)

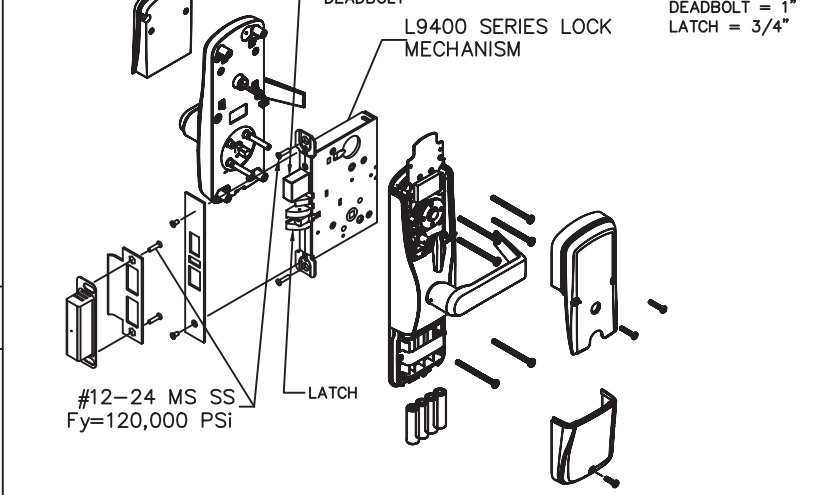


SCHLAGE AD/CO MS SERIES MORTISE LOCKSET WITHOUT DEADBOLT
USED IN **DOOR CONFIGURATIONS 14 & 15** (SEE SHTS.1&2)

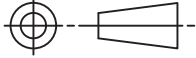
NOTE: ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.



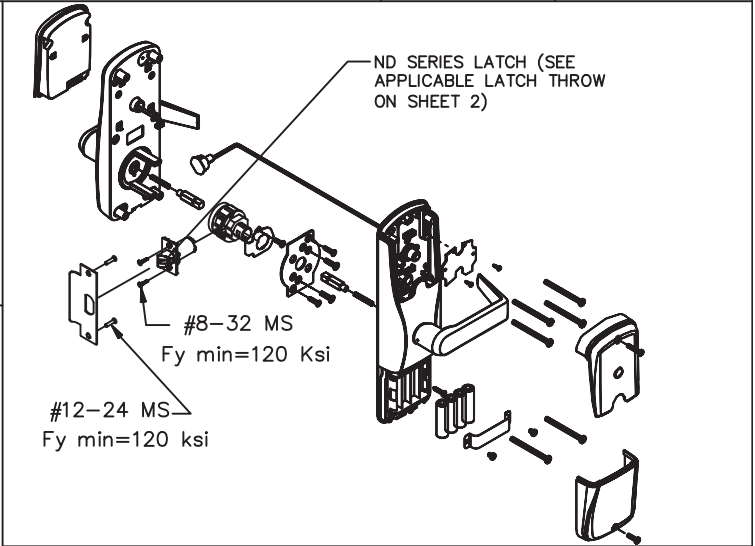
FALCON MA-SERIES MORTISE LOCKSET WITHOUT DEADBOLT FUNCTION USED IN **DOOR CONFIGURATION 15** (SEE SHTS.1&2)



SCHLAGE AD/CO MD SERIES MORTISE LOCKSET W/DEADBOLT
USED IN CONFIGURATIONS: 1 (SEE SHTS. 1&2)

BEND RADIUS		<div>SCHLAGE L 11819 N. PE CARMEL, IN</div>	
<div></div>			
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT WITH AND WITHOUT HARDWARE	
DRAWN YMF	DATE 05/20/07		
CHECKED			
APPROVED		SIZE	FLAT
ENG. APPVL JPD	10/11/07	SCALE:	NTS

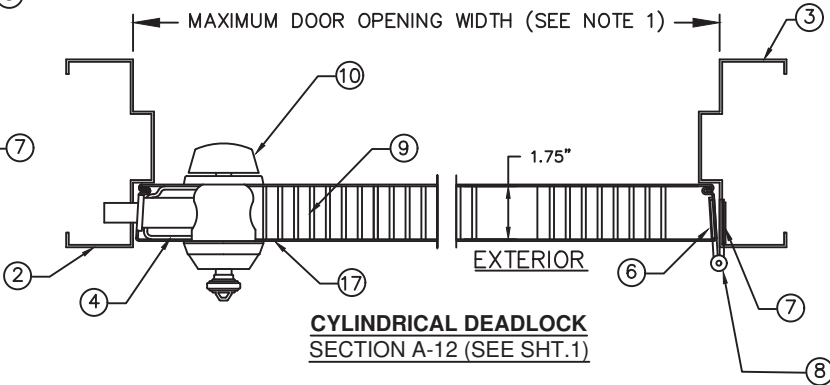
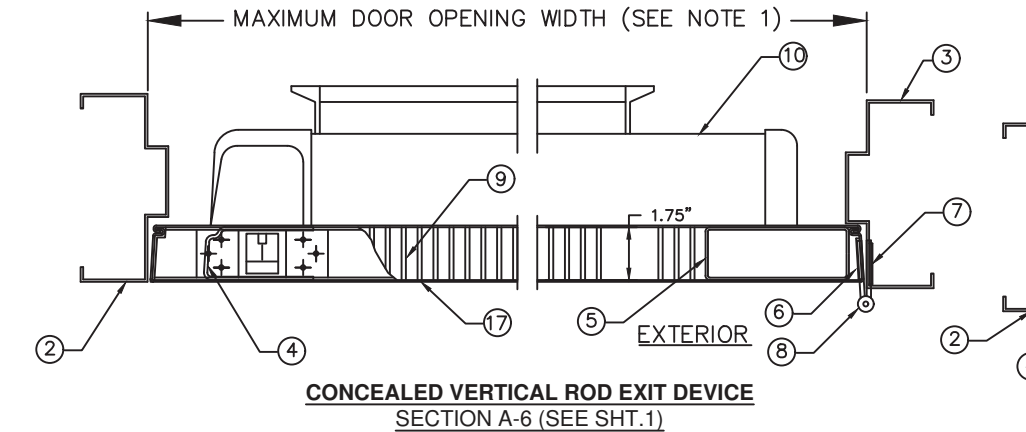
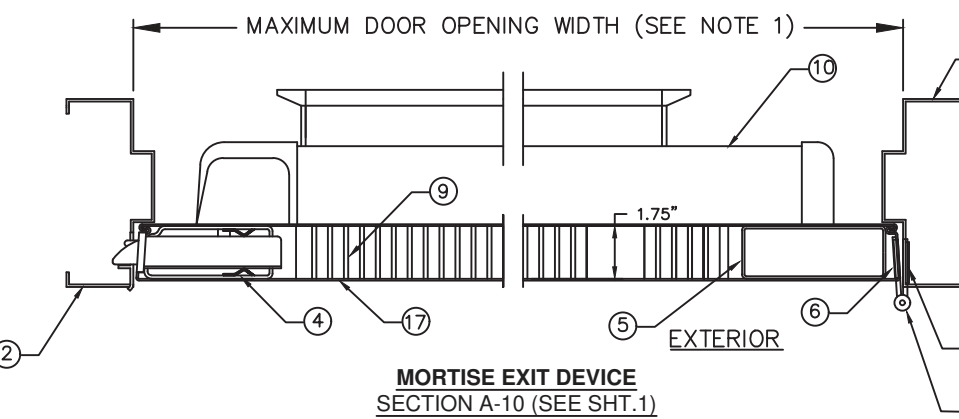
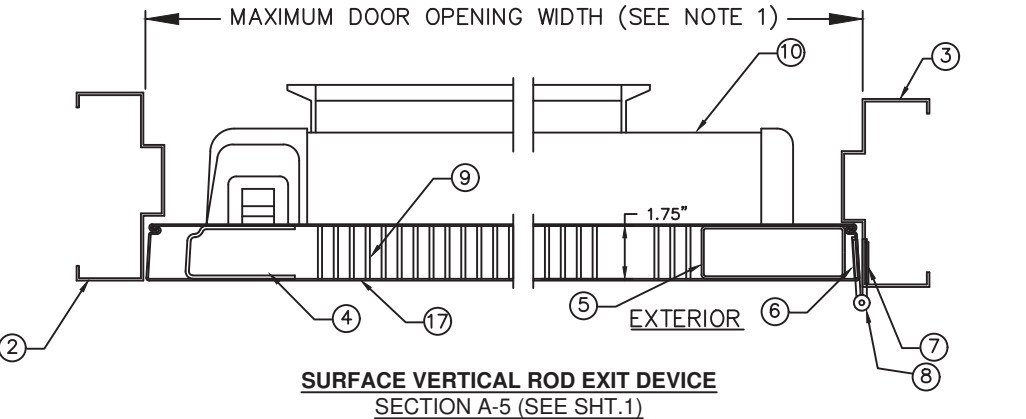
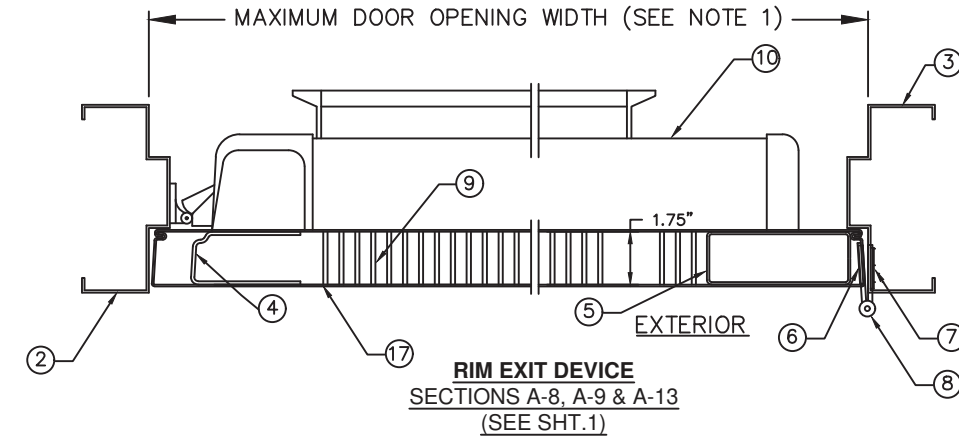
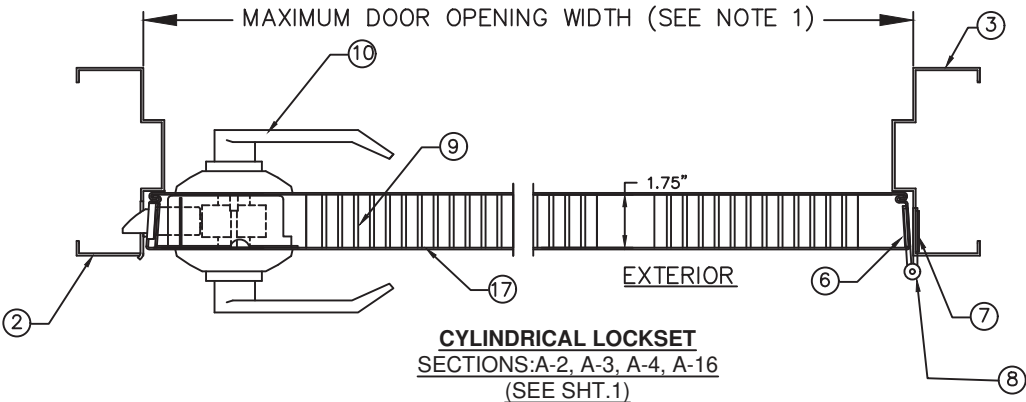
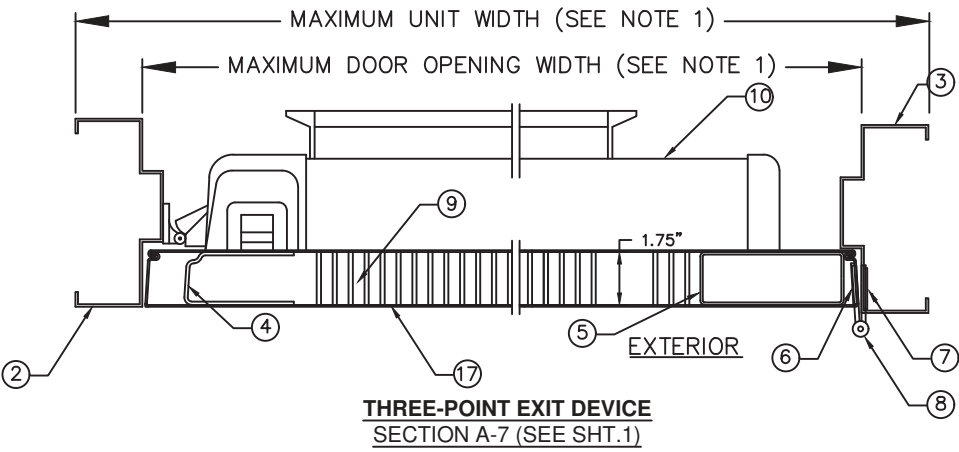
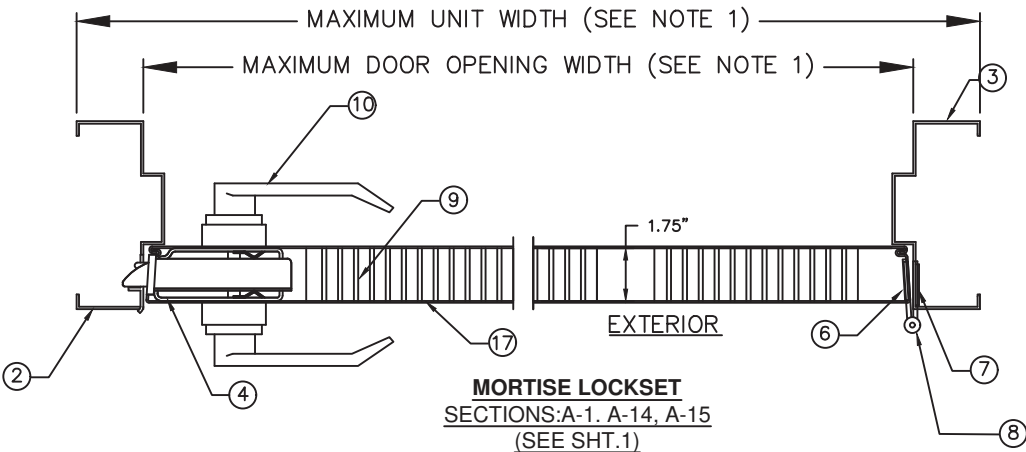
R E V I S I O N S					
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E	REVISED	DWG	YMF	04/08/08	
F	REVISED	DWG	YMF	06/03/08	
G	REVISED	DWG	YMF	03/03/09	
H	REVISED	DWG	YMF	04/07/10	
J	REVISED	NAME	JPD	11/01/13	
K	REVISED	DWG	JPD	02/01/15	
M	ENGINEER	CHANGE	LA	02/16/17	
N	ADDRESS	UPDATE	SM	02/27/20	
P	ANCHOR/STRIKE	UPDATE	LL	04/06/22	
Q	2023	FBC	UPDATE	OL	07/13/23



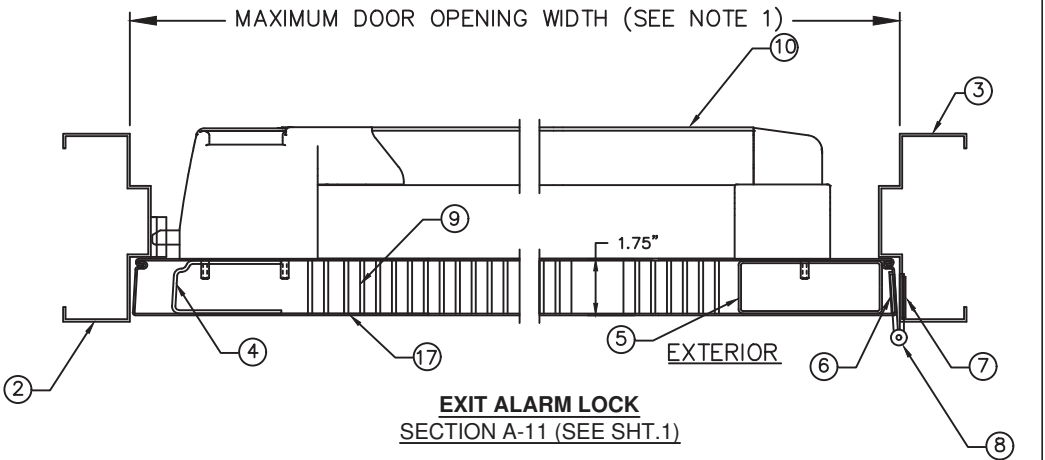
SCHLAGE AD/CO CY SERIES CYLINDRICAL LOCKSET
USED IN CONFIGURATIONS: 3 & 4 & 16 (SEE SHTS.1&2)

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-0821.18
Expiration Date 05/05/2028
By
Miami-Dade Product Control

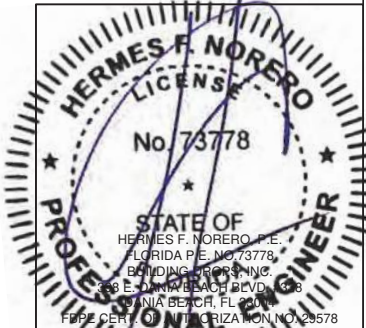
SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES HARDWARE OPTIONS FOR FLUSH SINGLE DOORS.			
SIZE		FLAT	
SCALE:		NTS	
DWG NO.		IRFS07	
AUTOCAD		SHEET 10 of 14	
		REV Q	



R E V I S I O N S					
LTR	DESCRIPTION			DATE	APPROVED
A	APPROVAL	DWG	YMF	05/20/07	
F	REVISED	DWG	YMF	06/03/08	
G	REVISED	DWG	YMF	03/04/09	
H	REVISED	DWG	YMF	04/07/10	
J	REVISED	NAME	JPD	11/01/13	
M	ENGINEER	CHANGE	LA	03/10/17	
N	ADDRESS	UPDATE	SM	02/27/20	
P	ANCHOR/STRIKE	UPDATE	LL	04/06/22	
Q	2023 FBC	UPDATE	OL	07/13/23	



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Building Code
NOA-No. 23-0821.18
Expiration Date 05/05/2028
By
Miami-Dade Product Control



MANUFACTURING FACILITY:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

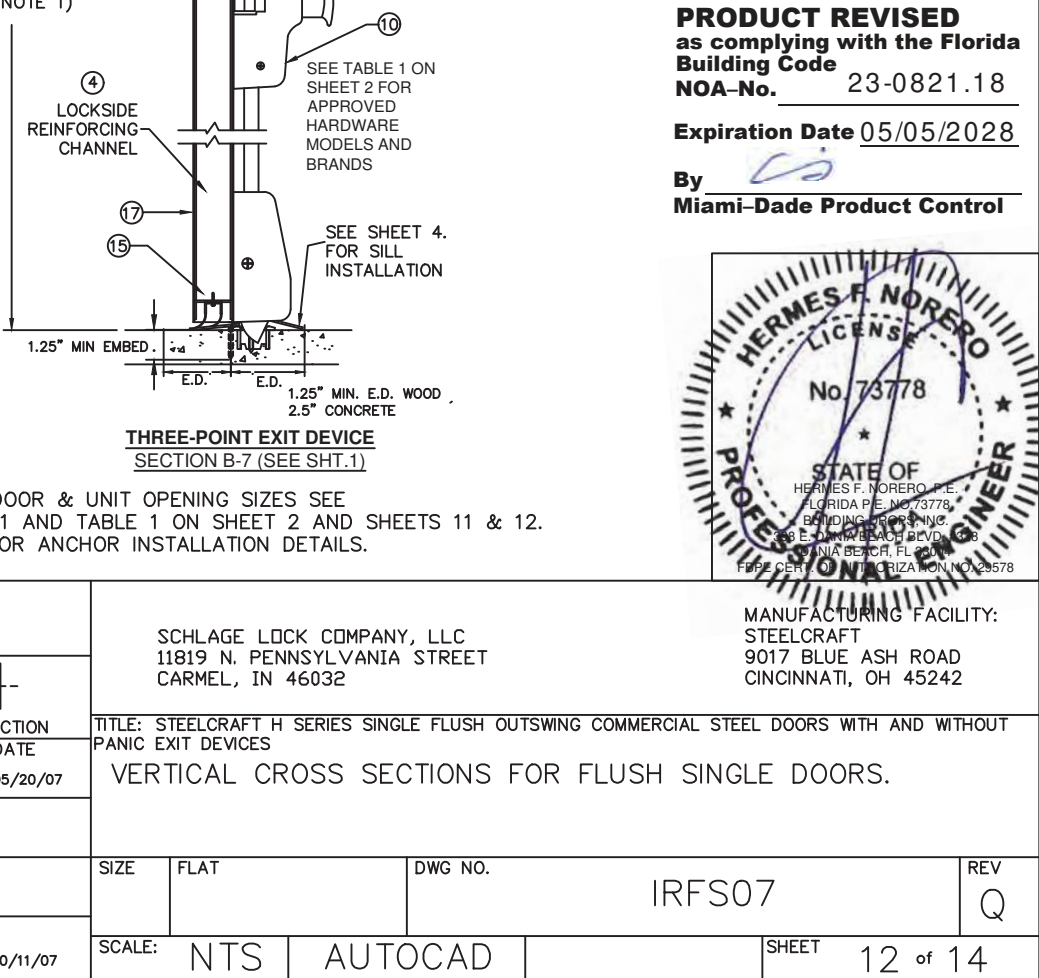
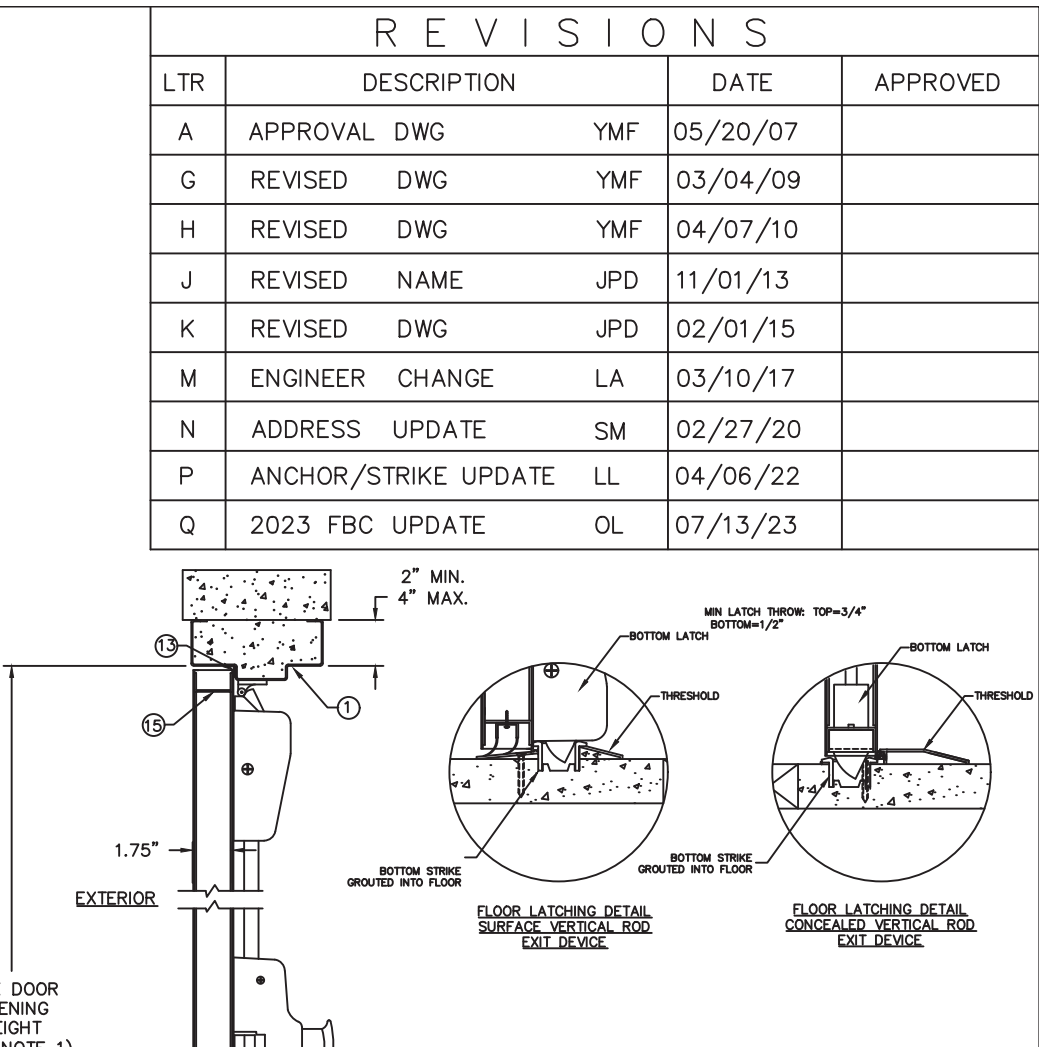
SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032

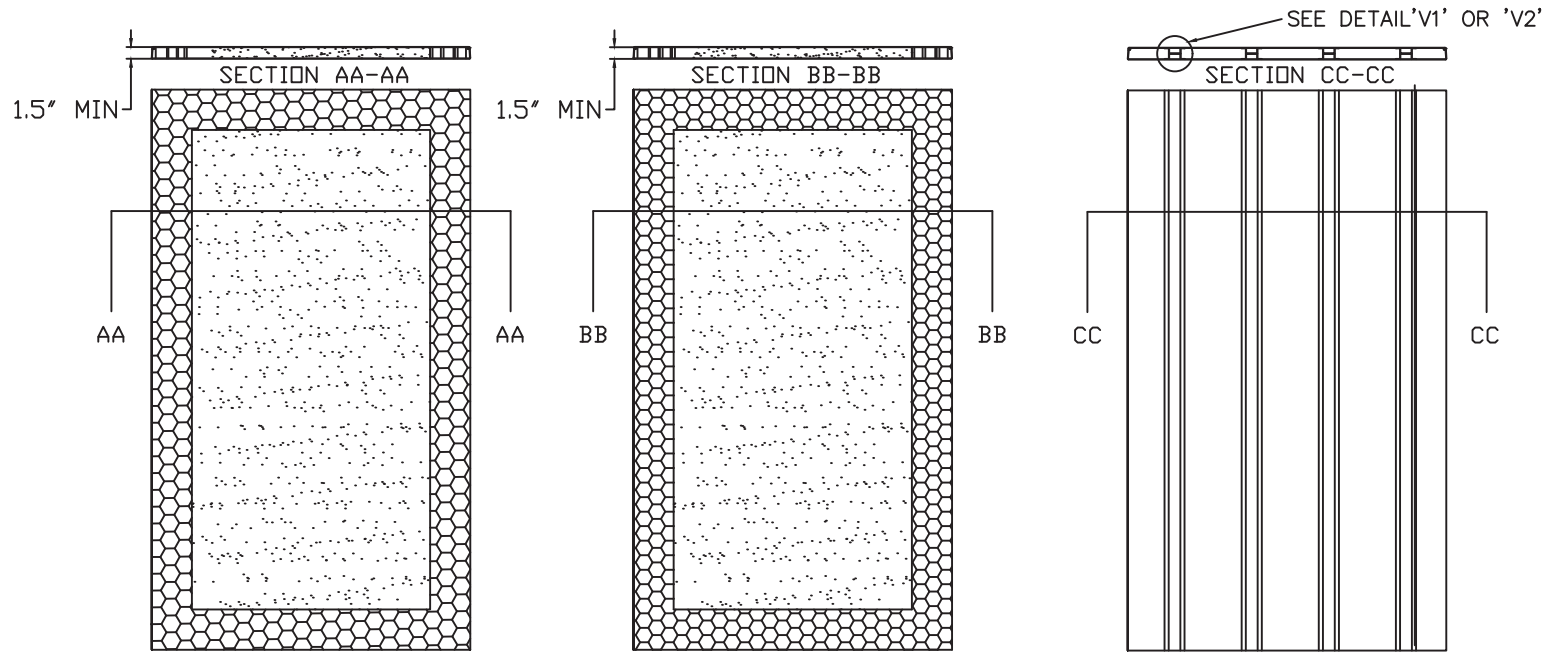
TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES
HORIZONTAL CROSS SECTIONS FOR FLUSH SINGLE DOORS.

BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN YMF	DATE 05/20/007
CHECKED	
APPROVED	
ENG. APPVL JPD	10/11/07

SIZE	FLAT	DWG NO.	IRFS07	REV Q
SCALE:	NTS	AUTOCAD	SHEET 11 of 14	

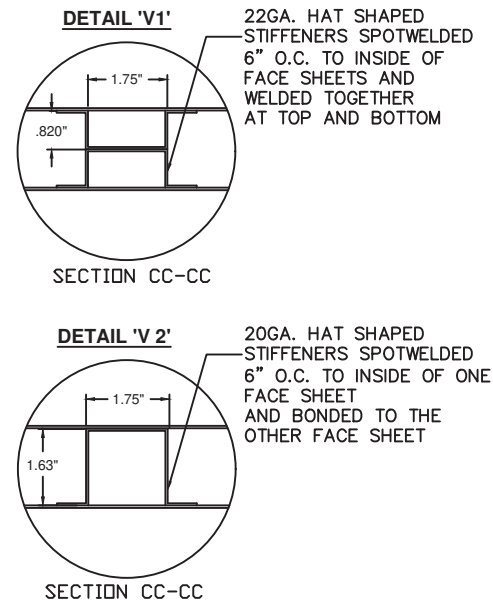
- NOTES:
1. FOR MAXIMUM OPENING DIMENSION SIZES AND MAX UNIT SIZES SEE SHEETS 1, 2, 3, 11 & 12.
 2. SINGLE OUTSWING DOORS, SEE SHEET 4 FOR INSTALLATION INFORMATION.



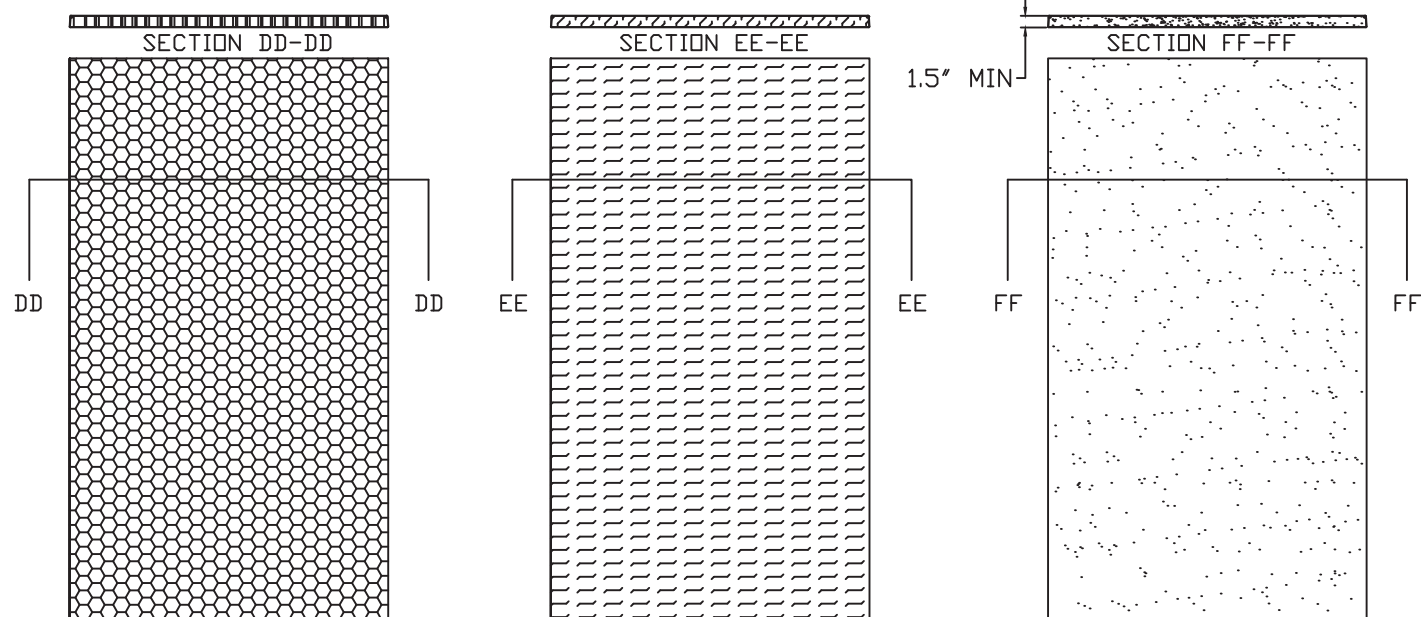


(A) EXPANDED POLYSTYRENE FOAM
BY ATLAS EPS
DENSITY: 1.0 LBS/FT³

(B) POLYISOCYANURATE
(POLYURETHANE)
BY ELLIOT CO. OF INDIANAPOLIS, IN
DENSITY: 2 LBS/FT³



(C) STEEL STIFFENED
HAT SHAPED SECTIONS




(D) HONEYCOMB
KRAFT PAPER.

(E) TEMPERATURE RISE CORE
MINERAL FIBER BOARD
DENSITY: 17±1.5 LBS/FT³
PYROPHIBIC SYSTEMS LTD
PYROPHOBIC PSL P25C-60 CORE
OR
MARSHFIELD DOOR SYSTEMS
CALCIUM SILICATE MINERAL CORE

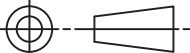
(F) EXPANDED POLYSTYRENE FOAM
BY ATLAS EPS DENSITY: 1.0 LB/FT³
OR POLYISOCYANURATE
(POLYURETHANE)
BY ELLIOTT CO. OF INDIANAPOLIS, IN
DENSITY: 2 LBS/FT³

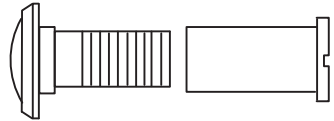
NOTES:
1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS

R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	JPD	02/03/14	
B	REVISED DWG	JPD	02/01/15	
C	REVISED DWG	JPD	05/05/15	
M	ENGINEER CHANGE	LA	03/10/17	
N	ADDRESS UPDATE	SM	02/27/20	
Q	2020 FBC UPDATE	NUS	07/07/20	
P	ANCHOR/STRIKE UPDATE	LL	04/06/22	
Q	2023 FBC UPDATE	DL	07/13/23	

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.18
Expiration Date 05/05/2028
By 
Miami-Dade Product Control

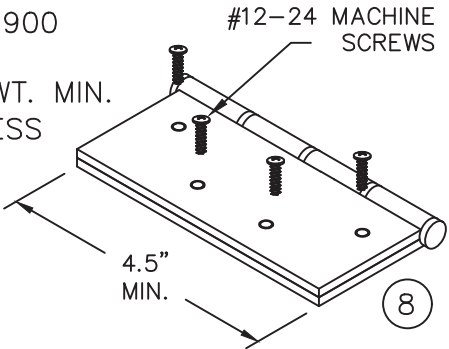


BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION				TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN JPD	DATE 02/03/14	MIAMI-DADE COUNTY PRODUCT APPROVAL DOOR CORE OPTIONS					
CHECKED							
APPROVED		SIZE	FLAT	DWG NO.	IRFS07	REV	Q
ENG. APPVL		SCALE:	NTS	AUTOCAD		SHEET	13 of 14

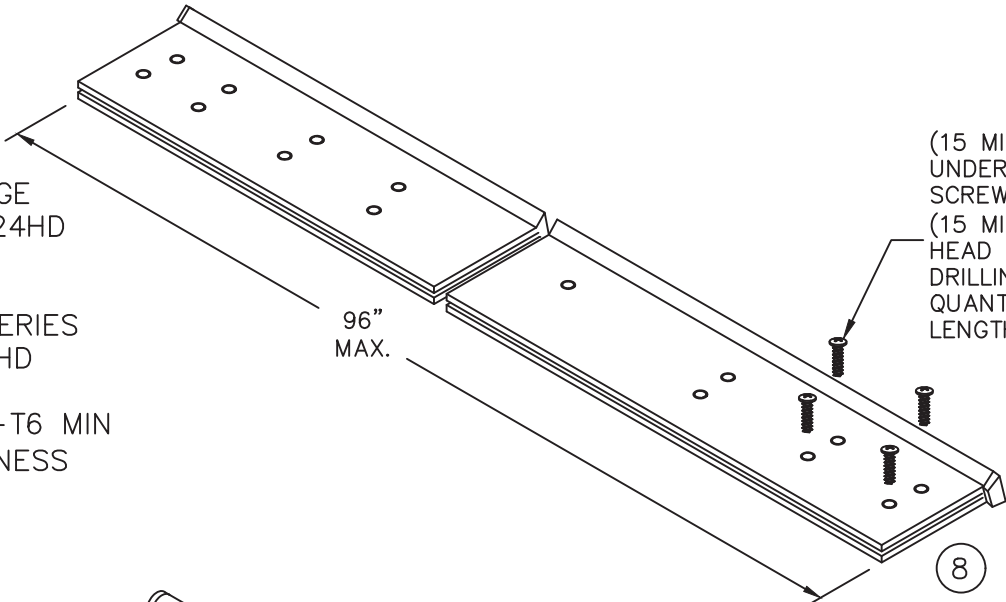


24 IVES 698/U698 DOOR VIEWER
APPLICATION LIMITED TO +/- 75 PSF
DESIGN PRESSURE OR LESS

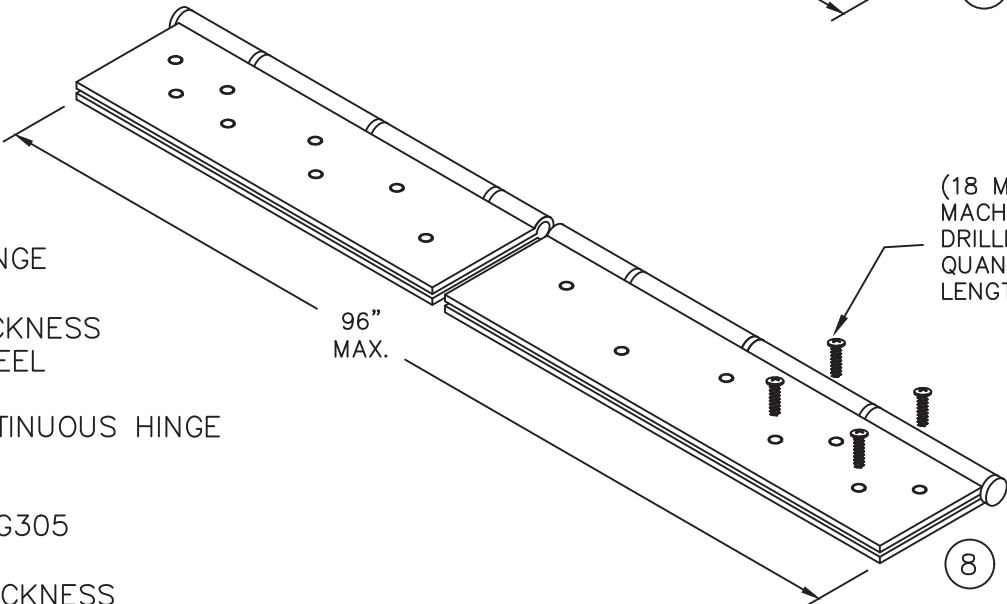
STEEL BUTT HINGE
IVES 5BB1/3CB1
STANLEY FBB179/1900
HAGER BB1279
4.5" X 4.5" STD. WT. MIN.
.134" MIN. THICKNESS
Fy MIN. = 36ksi



CONTINUOUS HINGE
IVES 112HD & 224HD
STANLEY 661HD
SELECT SL11HD
PEMCO FM_HD SERIES
HAGER 780-224HD
ABH A240HD
ALUMINUM 6036-T6 MIN
.110" MIN. THICKNESS



STEEL CONTINUOUS HINGE
IVES 600
.075 MIN. (14GA.) THICKNESS
1012 COLD ROLLED STEEL
Fy MIN. 45ksi
STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
HAGER 790-900
MARKAR FM-300 & HG305
ABH A500
.075" MIN. (14GA.) THICKNESS
304 STAINLESS STEEL
Fy MIN. 31ksi

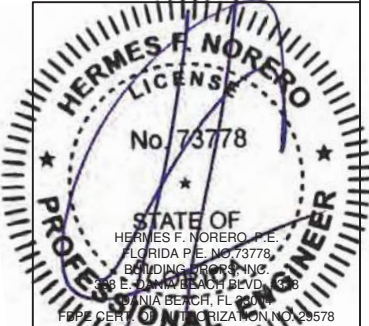


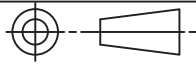
CONTINUOUS HINGE NOTES:
1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
2. SCREW SPACING VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
3. INSTALL HINGES PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	09/05/13	
B	REVISED	02/01/15	
M	ENGINEER CHANGE LA	03/10/17	
N	ADDRESS UPDATE SM	02/27/20	
O	2020 FBC UPDATE NUS	07/07/20	
P	ANCHOR/STRIKE UPDATE LL	04/06/22	
Q	2023 FBC UPDATE OL	07/13/23	

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.18
Expiration Date 05/05/2028
By 
Miami-Dade Product Control



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
						
THIRD ANGLE PROJECTION						
TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES						
DRAWN JPD	DATE 02/03/14	HINGE AND VIEWER OPTIONS				
CHECKED						
APPROVED		SIZE	FLAT	DWG NO. IRFS07	REV Q	
ENG. APPVL		SCALE: NTS	AUTOCAD		SHEET 14 of 14	

Scott A. Brown, Professional Engineer

Evaluation reports are the opinion of the evaluation entity, based on the findings, and in no way constitute or imply approval by a local building authority. I, Scott A. Brown P.E. have reviewed the data submitted by Raynor Garage Doors and in my opinion, the product, material, system, or method of construction specifically identified in this report conforms to the requirements of the 8th Edition (2023) of the Florida Building Code, subject to the limitations in this report.

Report No.: 39-C**Submitted:** 10/06/17

Revised: 08/12/19

Revised: 09/22/23

Category: Exterior Doors**Submitted By:**

Raynor Garage Doors
1101 East River Road
Dixon, IL 61021

Evaluation Entity:

Scott A. Brown P.E.
698 Timber Creek Road
Dixon, IL 61021

Evaluation Test Standards:

ANSI/DASMA 108-2012
ANSI/DASMA 108-2017
ANSI/DASMA 115-2012
ANSI/DASMA 115-2017
TAS 201-94
TAS 202-94
TAS 203-94

1. Product Trade Name**1.1 Pan Doors**

- 1.1.1 SteelForm 24 ga
- 1.1.2 SteelForm 20 ga
- 1.1.3 BuildMark
- 1.1.4 TradeMark

1.2 Sandwich Doors

- 1.2.1 ShowCase
- 1.2.2 Masterpiece
- 1.2.3 TC200
- 1.2.4 FlexFit 175

2. Scope of Evaluation

2.1 Structural: Transverse wind and impact/cyclic loads.

3. Uses

3.1 Raynor garage doors are used as garage doors with specified allowable transverse wind pressures.

4. Models

4.1.1 SteelForm 24 Ga.: Sections shall be pan style 2" thick, roll formed from 24 ga. (.023 min.) commercial quality hot dip galvanized steel per ASTM A-525 and A-526. Each door section has two deep ribs and four pencil grooves for additional strength and a tongue and groove section joint.

4.1.2 SteelForm 20 Ga.: Sections shall be pan style 2" thick, roll formed from 20 ga. (.035 min.) commercial quality hot dip galvanized steel per ASTM A-525 and A-526. Each door section has two deep ribs and four pencil grooves for additional strength and a tongue and groove section joint.

4.1.3 BuildMark also referred to as BuildMark S: Sections shall be pan style 2" thick roll formed from 26ga. (.017 min) hot dipped galvanized steel per ASTM A-525 and A-526. Each door section is wood grain textured with embossed panels and has tongue and-groove section joint.

4.1.4 TradeMark: Sections shall be pan style 2" thick roll formed from 24 ga. (.023 min) hot dipped galvanized steel per ASTM A-525 and A-526. Each door section is wood grain textured with embossed panels and has tongue and-groove section joint.

4.1.5 ShowCase: Sections shall be sandwich-style, 2 inch thick insulated door panels with tongue-and-groove section joint made from minimum 0.015 inch thick galvanized steel roll-formed interior and exterior skins with embossed panels and wood grain texture. The doors are insulated with expanded polystyrene foam that is bonded to the interior and exterior steel skins.

4.1.6 TC200: Sections shall be sandwich-style, 2 inch thick insulated door panels with tongue-and-groove section joint made from minimum 0.015 inch thick galvanized steel roll-formed interior and exterior skins with flush panels and stucco texture. The doors are insulated with expanded polystyrene foam that is bonded to the interior and exterior steel skins.

4.1.7 FlexFit 175: Sections are constructed with a 1-1/2" square fiberglass tube frame and an exterior pultruded fiberglass skin and a polyethylene interior skin. The area between the skins and tube frame is filled with expanded polystyrene foam insulation. Assembly bolts are 1/4" carriage bolts with 1/4" blind nuts. End stiles are held in place using 5/16" carriage bolts and 5/16" Whiz Nuts.

5. Reinforcing

5.1 General: Raynor garage doors sections may be reinforced horizontally with roll-formed galvanized steel U-bars, see 5.1.1 or Box Struts, see 5.1.2.

5.1.1 U-bar: Horizontal reinforcing U-shaped sections, 2-5/8" deep x 2" wide x 18 ga. (.049 inch minimum) galvanized steel, 80 KSI minimum tensile complying with ASTM A-924 hot dipped galvanizing and ASTM A-653 steel specification.

5.1.2 Box Struts: Horizontal reinforcing U-shaped sections, 4-1/2" deep x 5.04" wide x 20 ga. (0.035 inch minimum) galvanized steel, 80 KSI minimum tensile complying with ASTM A-924 hot dipped galvanizing and ASTM A-653 steel specification.

6. Installation

6.1 General: Raynor garage doors are to be installed in accordance with the manufacturer's published installation instructions, engineering drawings and this report. The manufacturer's published installation instructions and this report shall be strictly adhered to and a copy of these instructions shall be available at all times on the job site during installation. The information within this report governs if there are any conflicts between the manufacturer's instructions and this report.

7. Allowable Wind Loads

7.1 General: The doors shown in Table 1 were tested to ANSI/DASMA 108 for static air pressure. Doors shown in Table 2 were tested to ANSI/DASMA 108 for static air pressure and ANSI/DASMA 115 for impact and cyclic loading. Door shown in Table 3 were tested to TAS 202 for static air pressure and ANSI/DASMA 115, TAS 201 and TAS 203 for Impact and Cyclic loading.

Table 1

Door Model(s)	Maximum Door Width	Drawing Number	Design Loads		Large Missile Impact Resistant	Test Report Number	Test Date
FlexFit 175	9'-2"	P-2320-B	+41.6	-46.5	No	1666	6/30/15
	16'-2"		+16.1	-18.1		1668	7/10/15
BuildMark TradeMark	16'-0"	P-2370-A	+29.7	-33.1	No	1899	8/12/19

Table 2

Door Model(s)	Maximum Door Width	Drawing Number	Design Loads		Large Missile Impact Resistant	Test Report Number	Test Date
BuildMark TradeMark	16'-0"	P-3331-B	+29.7	-33.1	Yes	1601 1602	7/9/13 7/12/13
BuildMark TradeMark	18'-0"	P-3333-C	+23.5	-26.2	Yes	1613 1614	8/14/13 8/15/13
ShowCase Masterpiece TC200	16'-0"	P-3332-C	+29.7	-33.1	Yes	1608 1609	7/29/13 7/30/13
ShowCase Masterpiece TC200	18'-0"	P-3332-C	+23.5	-26.2	Yes	1634 1635	11/5/13 11/6/13
ShowCase Masterpiece TC200	9'-0"	P-3325-C	+41.6	-47.1	Yes	1636 1637	11/14/13 11/15/13
FlexFit 175	10'-2"	P-3347-A	+35.0	-37.8	Yes	1776 1777	08/15/17 08/16/17
BuildMark TradeMark	9'-0"	P-3348-A	+36.6	-41.1	Yes	1892 1893	7/09/19 7/10/19
	16'-0"		+23.3	-28.0		1890 1891	6/14/19 6/27/19
BuildMark TradeMark	18'-0"	P-3349-A	+17.7	-19.7	Yes	1896 1897	7/23/19 7/24/19

Table 3

Door Model(s)	Maximum Door Width	Drawing Number	Design Loads		Large Missile Impact Resistant	Test Report Number	Test Date
BuildMark TradeMark	9'-0"	P-3321-B	+41.6	-47.1	Yes	1491 1492	3/23/11 3/24/11
	16'-0"		+29.7	-33.1		1489 1490	3/15/11 3/18/11
ShowCase Masterpiece TC200	16'-0"	P-3324-B	+29.7	-33.1	Yes	1495 1496	12/16/15 12/17/13

8. Substantiating Data

8.1 Test Reports: Testing for doors shown in Tables 1, 2 and 3 was done at Raynor Garage Doors test lab in Dixon Illinois which is accredited by ANSI National Accreditation Board (ANAB) at the time of testing, scope of accreditation can be found at <http://www.anab.org>. Testing was witnessed by an independent third party Florida Registered Professional Engineer Scott A. Brown P.E. Test reports were prepared by the test lab and signed and sealed by the witnessing Florida P.E. See Tables 1, 2 and 3 for report numbers and test dates.

8.2 Engineering Drawings: Drawings listed in Tables 1, 2 and 3 were prepared by Raynor Garage Doors under the direction of Scott A. Brown P.E. and then reviewed, signed, sealed and dated by Scott A. Brown P.E.. See Table 1, 2 and 3 for drawing numbers.

8.3 Calculations: Calculations on jamb attachment, the results are shown on drawings listed in this report. Calculations were used to establish load ratings for door widths not tested. Section bending was evaluated using the bending moment equation $M = w * L^2 / 8$ where “w” is wind load and “L” is door width. Also total load on the door edge hardware was evaluated so that no load on a calculated door component exceeded the load of a tested door component.

9. Report Summary

9.1 Upon review of the data submitted by Raynor Garage Doors, I find that, in my opinion, the models as described in this report conform with or are a suitable alternative to that specified in the 6th Edition (2017) Florida Building Code, subject to the limitations in this report.

10. Limitations

10.1 The doors shall be installed in accordance with the manufacturer’s published installation instructions in this report and the manufacturer’s published installation instructions, engineering drawings and this report.

10.2 The structural elements supporting the door track brackets shall be designed by a registered professional engineer for the wind loads shown on the drawings listed in this evaluation.

10.3 The doors shall not be installed in areas where the transverse wind loads exceed the allowable loads shown in Tables 1, 2 and 3.

10.4 Doors listed in this report do not address the requirements of the High Velocity Hurricane Zone (HVHZ).

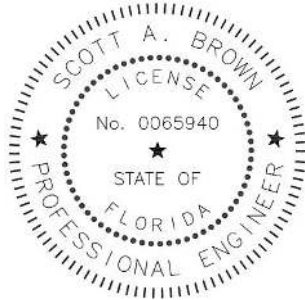
11. Identification

11.1 Each Raynor Garage Door covered by this report shall be labeled with the manufacturer’s name, drawing number, Florida approval number for field identification.

12. Further Information

12.1 For more information on this report contact Scott A. Brown, P.E.
815/288-2261.

12.2 Scott A. Brown P.E. #65940 does not have, nor intend to acquire a financial interest in Raynor Mfg. or any other company manufacturing or distributing products for which this report is being issued; Scott A. Brown P.E. #65940 is not controlled by Raynor Mfg. or any other company manufacturing or distributing any portion of the product being tested, evaluated or approved by this report.

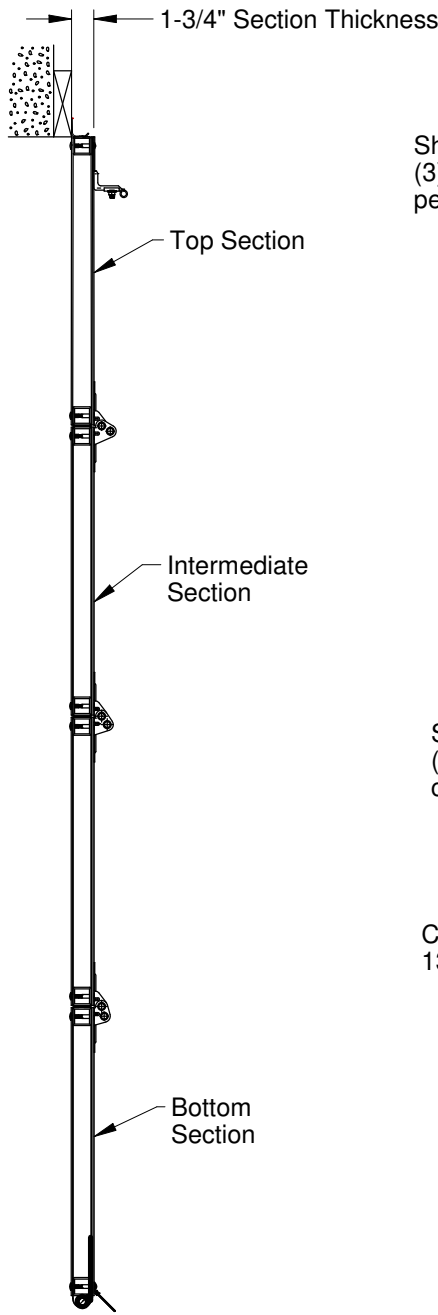


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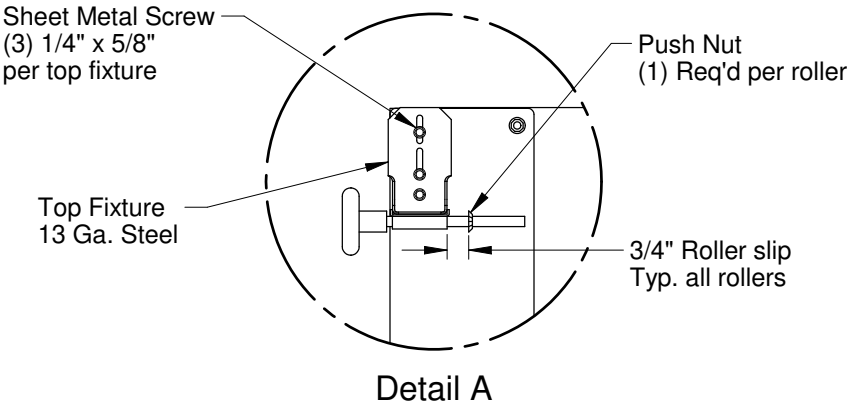
Digitally signed by
Scott A Brown
Date: 2023.10.19
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Willett, Hofmann & Associates, Inc.
809 E. 2nd Street, Dixon, IL 61021
FBPE CA Lic. No. 35415
Structural Adequacy for Wind Load

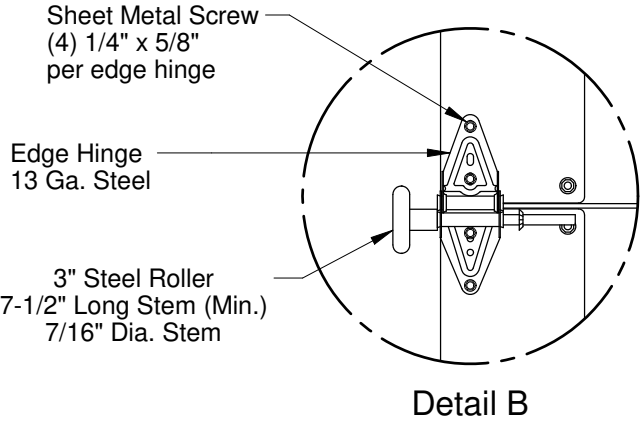
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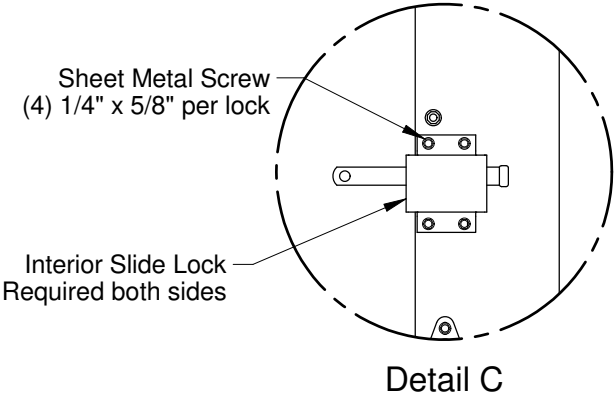
Section A-A



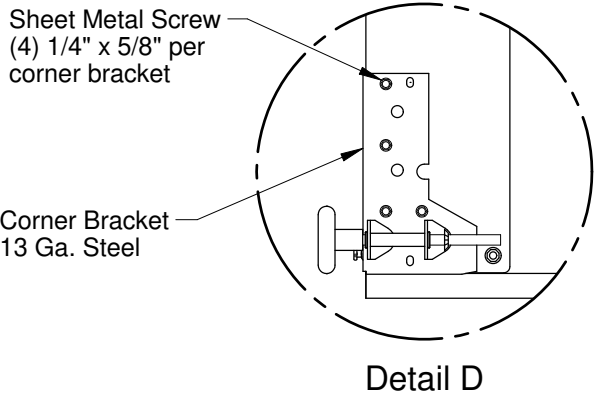
Detail A



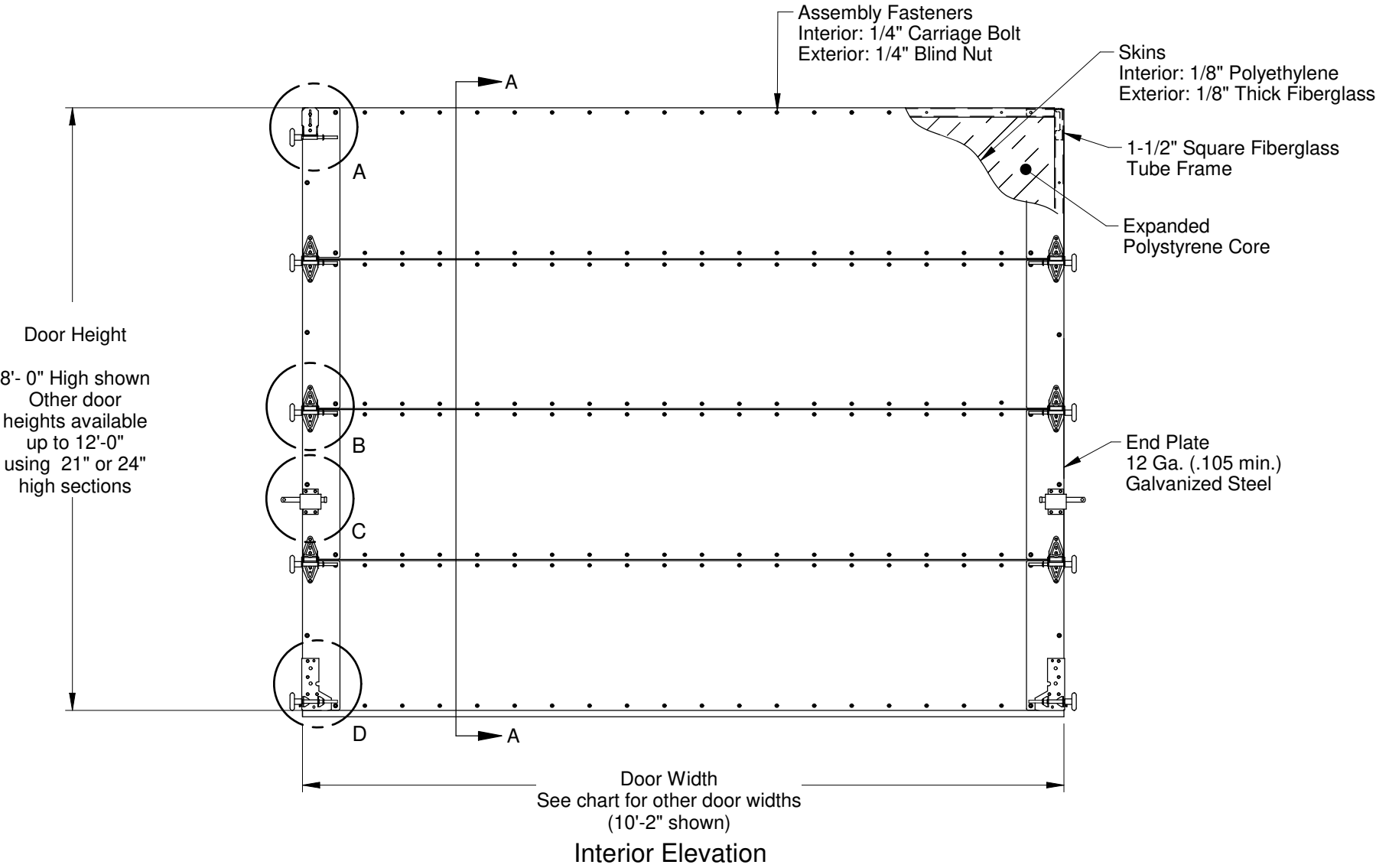
Detail B



Detail C



Detail D



Interior Elevation



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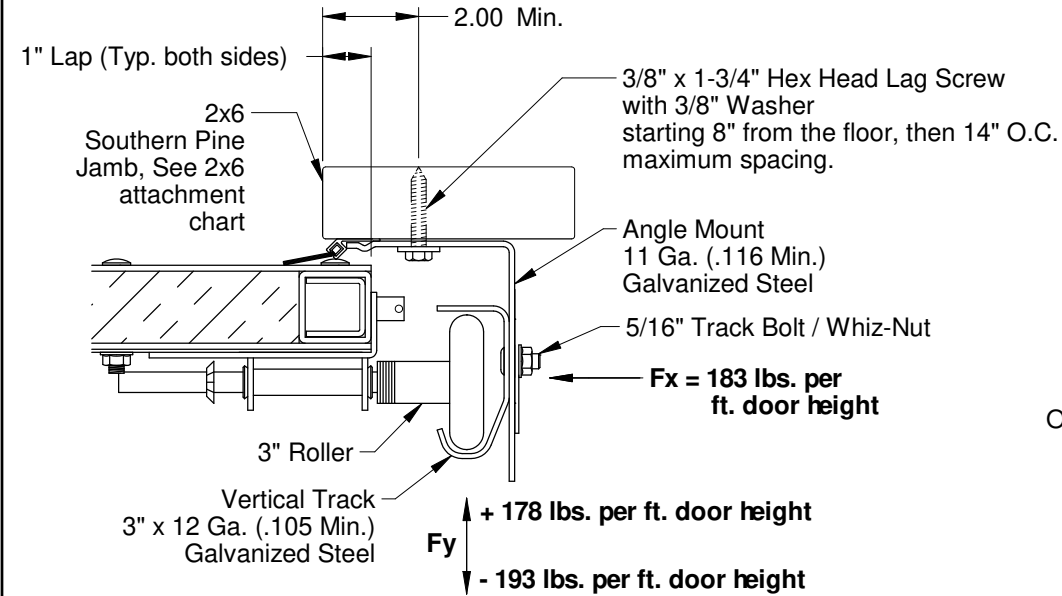
Doors tested per
ANSI/DASMA 108
for static air pressure
and
ANSI/DASMA 115
for large missile impact and
cyclic wind pressure

Max. Door Width	Design Load	
5' - 2"	+ 35.0	- 37.8
6' - 2"		
7' - 2"		
8' - 2"		
9' - 2"		
10' - 2"		

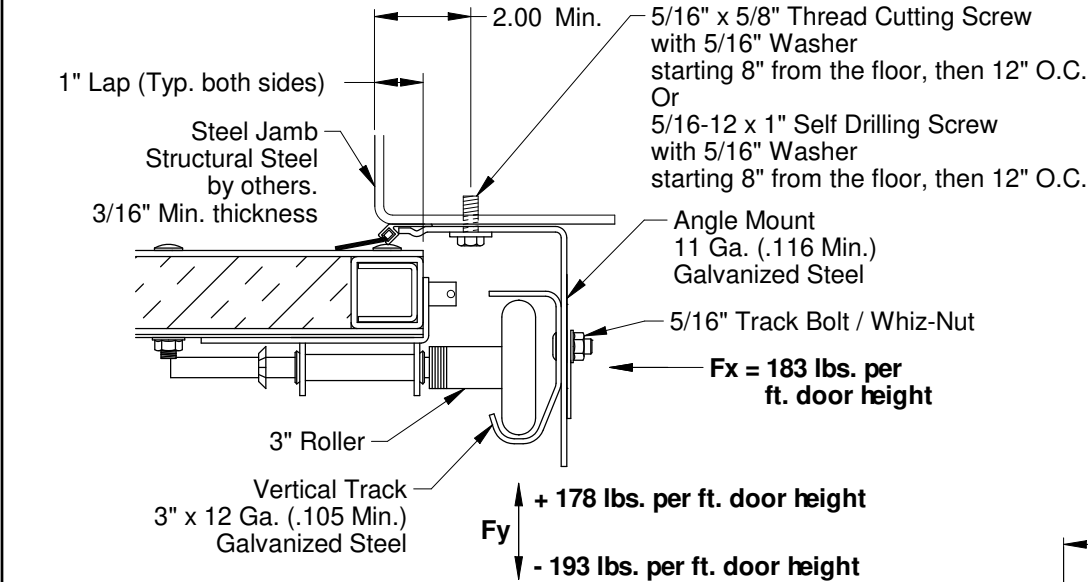
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				Scale: None
				Drawn by: G. Wedekind
				Checked by: G. Wedekind
				Date: 08/07/19
				ECO: 8111.01
Rev.	Description	ECO	Date	
A	New release for production.	8111.01	08/07/19	

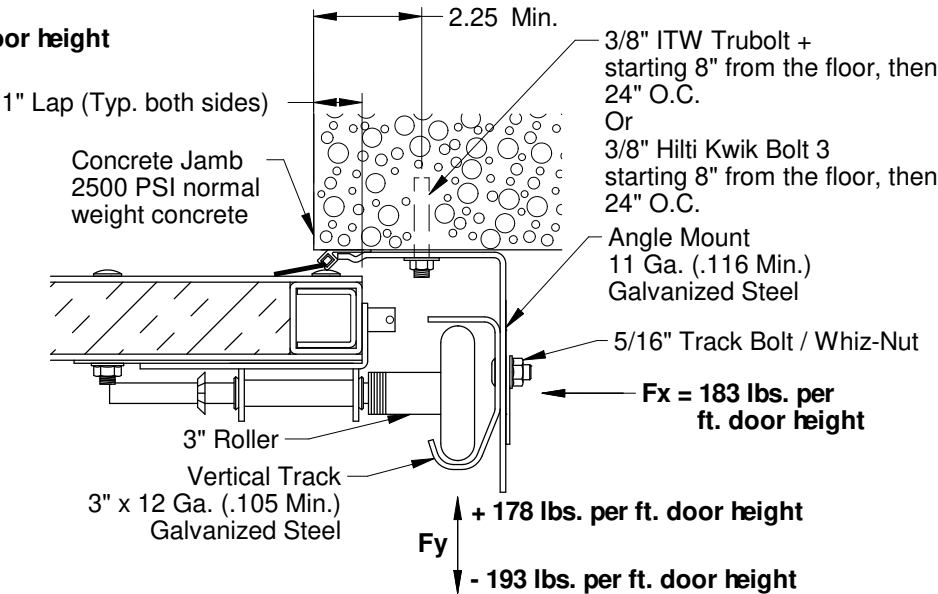
 1101 East River Road Dixon, IL. 61021	Title: Spec, Wind Load FlexFit 175	
	No. P-3347	Sheet 1 of 2 Rev A



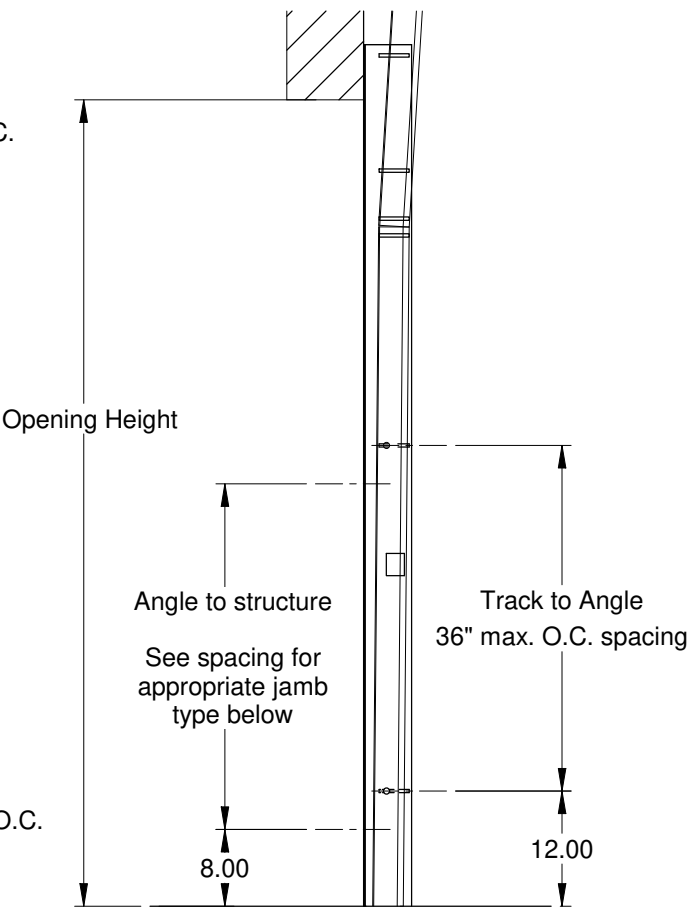
Jamb Detail to Wood Jamb



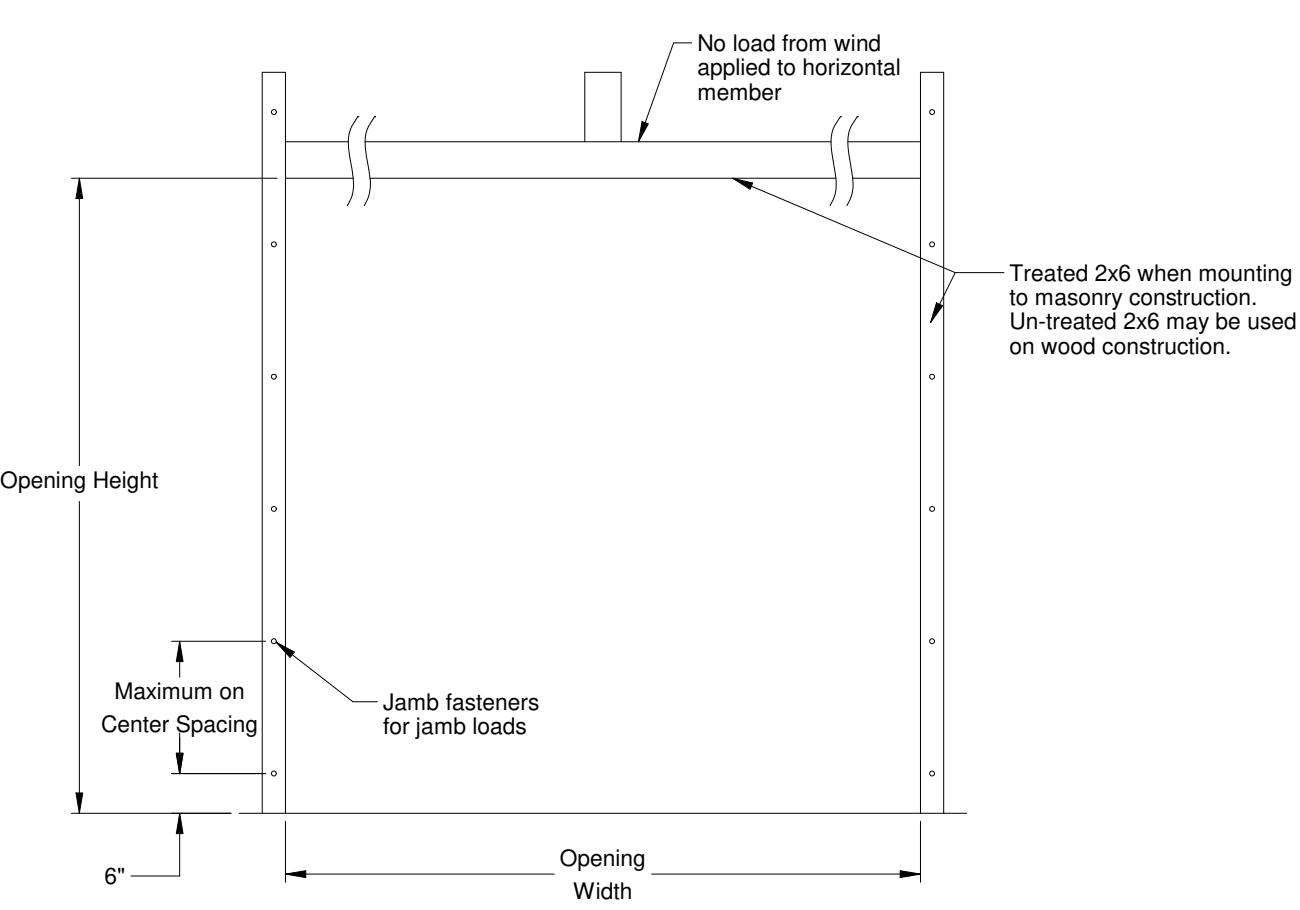
Jamb Detail to Steel Jamb



Jamb Detail to Concrete Jamb



Typical Track Installation Wood, Steel or Masonry Jamb

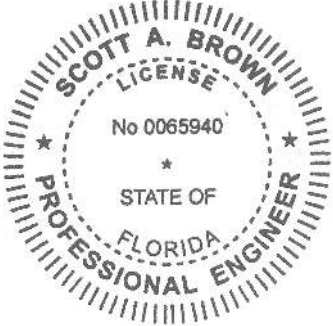


Wood Jamb Attachment

Jamb Attachment Notes

1. Design of the supporting structure shall be the sole responsibility of the building designer and shall be designed for the jamb loads listed in notes 1 and 2.
2. Alternate jamb attachments may be used if approved by a registered Professional Engineer.
3. DASMA Technical Data Sheet TDS-161 may be used for alternate jamb attachments.
4. 3/8" diameter lag screws require 1/16" diameter pilot hole and 1-1/2" minimum edge distance.

2x6 Attachment to Structure						
Structure Type	Fastener Type	Minimum Embedment	Minimum Edge Distance	Minimum on Center Spacing	Maximum on Center Spacing	Allowable Tension Load
2500 PSI Min. Concrete	1/4" Tapcon+ (Plus) with 1-1/8" OD Washer	2"	2.5	6"	12"	526
Southern Pine	3/8" x 3" Lag with 1-1/8" OD Washer	1.50"	2.0"	1.50"	14"	655



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Structural Adequacy for Wind Load

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FlexFit 175

No. P-3347

Sheet 2

Rev A