



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

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

**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(5<sup>th</sup> 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(6<sup>th</sup> 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 (5<sup>th</sup> Edition) and FBC 2017 (6<sup>th</sup> 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(6<sup>th</sup> 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 7<sup>th</sup> 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.

A blue ink signature, likely of Sifang Zhao, is written over a horizontal line.

**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**

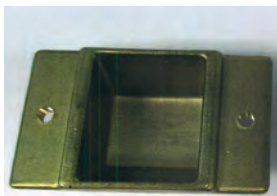
1. None.

**F. STATEMENTS**

1. Statement letter of conformance to **FBC 7<sup>th</sup> 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

A handwritten signature in blue ink, appearing to read 'Sifang Zhao'.

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 8<sup>th</sup> 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.

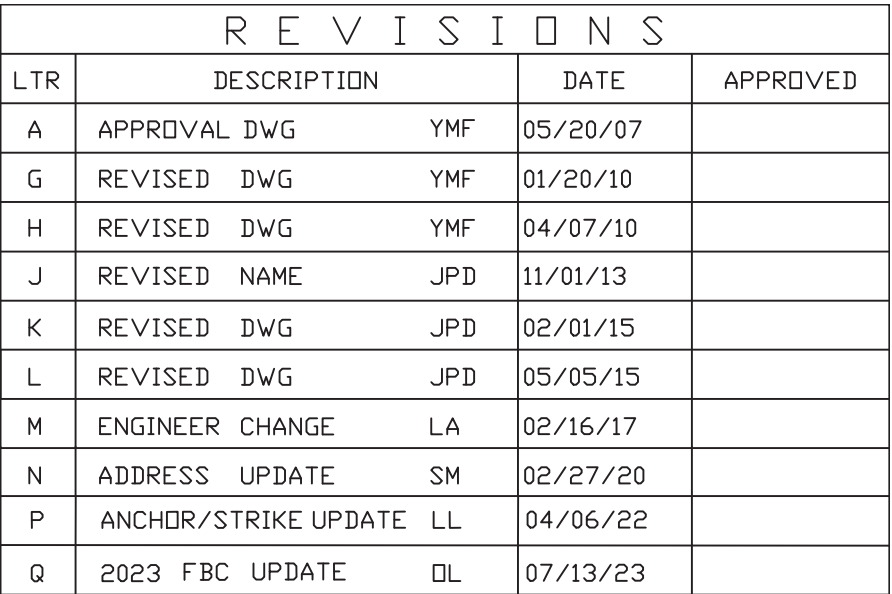


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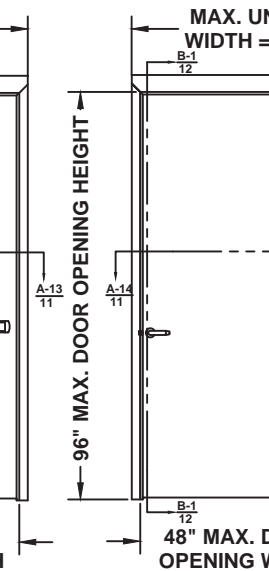
**Sifang Zhao, P.E.**  
**Product Control Examiner**  
**NOA No. 23-0821.18**

**Expiration Date: May 05, 2028**  
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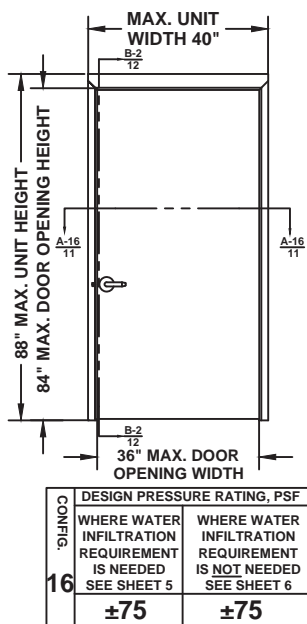


CONF. <b>7</b>	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED SEE SHEET 5	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED SEE SHEET 6
	<b>±70</b>	<b>±70</b>



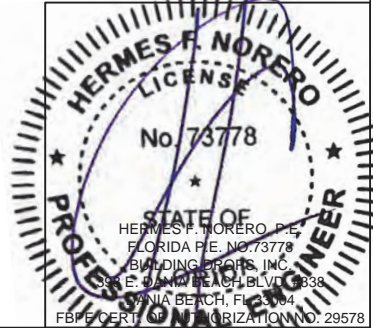
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## MORTISE LOCKSET WITHOUT DEADBOLT



**CYLINDRICAL LOCKSET  
WITH 1/2" THROW LATCH**

**NOTE:  
SEE SHEETS 5 & 6 FOR  
THRESHOLD TYPES,  
WEATHERSTRIP  
COMPONENTS, DOOR SIZE,  
AND DP LIMITATIONS.**



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.	REV
		IRFS07	Q
SCALE:	NTS	AUTOCAD	SHEET 1 of 14




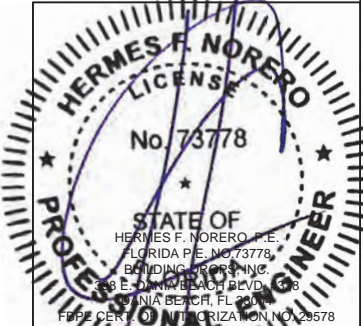
Door Configuration	Maximum Design Pressure, PSF		Maximum Door Opening Size, in.		Locking Hardware Description				Comments
	Positive	Negative	Width	Height	Hardware Family	Model/Series	Strike Models	Brand	
1	75	75	48	96	Mortise Lock	L/LV9400/AD/CO MD	10-072	Schlage	Functions with deadbolt, 3/4" min. throw 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	

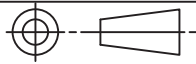
TABLE 1.

- 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

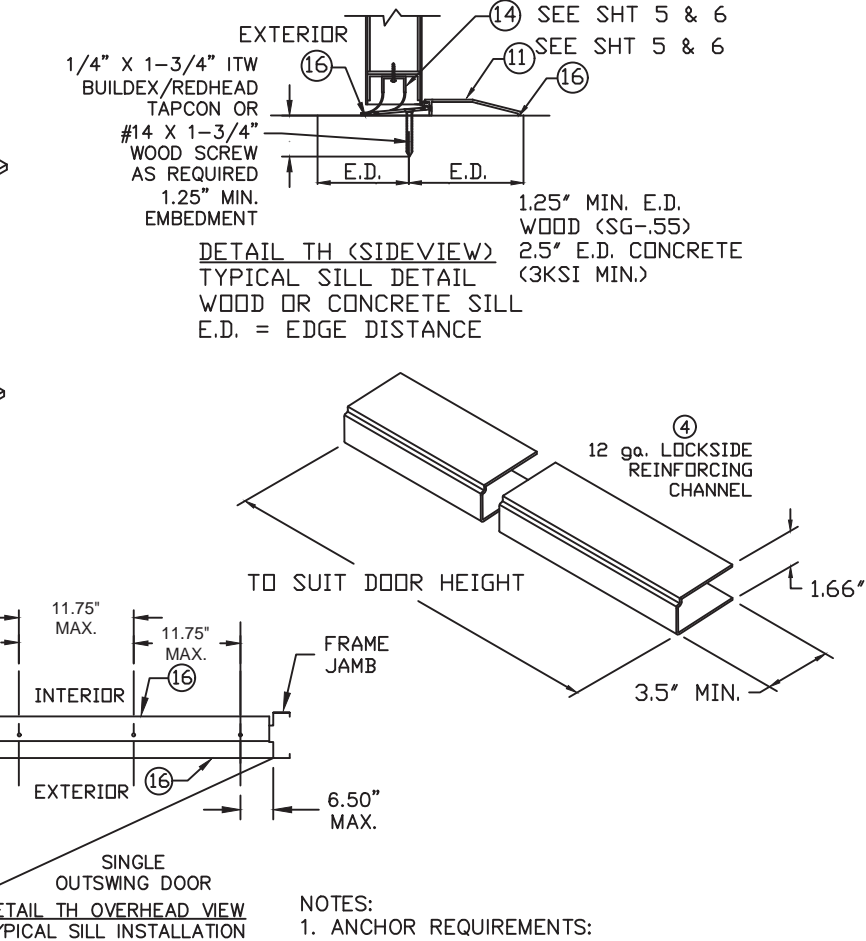
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LTR	DESCRIPTION		DATE	APPROVED
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C	REVISED	DWG RAP	12/10/07	
D	REVISED	DWG YMF	01/04/08	
E	REVISED	DWG YMF	03/31/08	
F	REVISED	DWG YMF	06/02/08	
G	REVISED	DWG YMF	03/03/09	
H	REVISED	DWG YMF	04/07/10	
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**



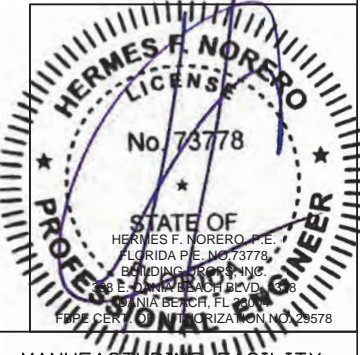
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
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






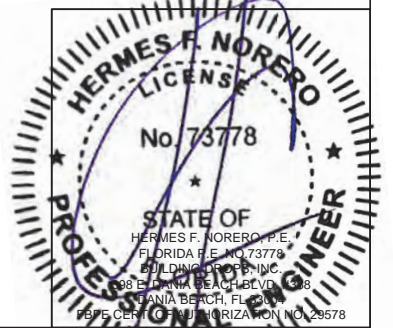
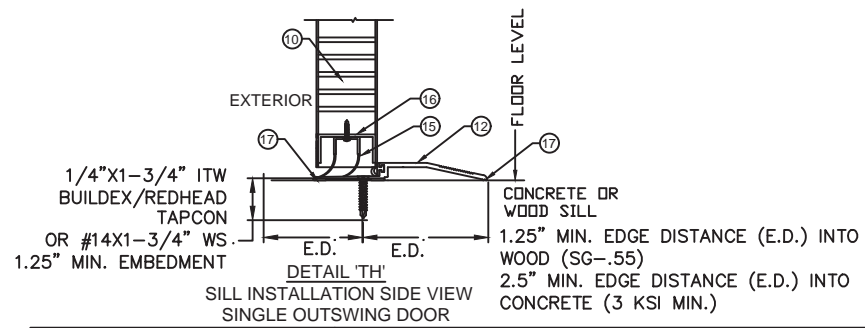
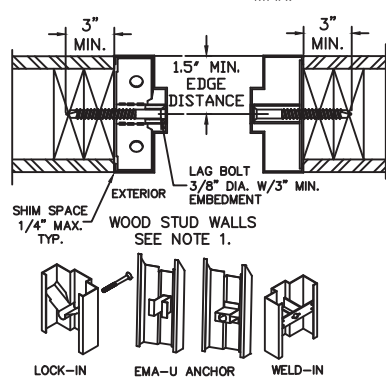
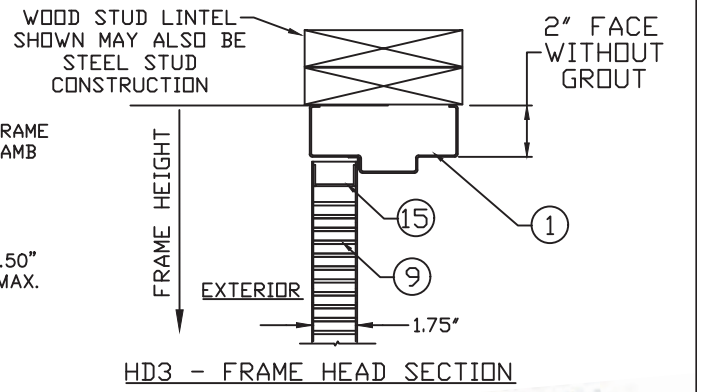
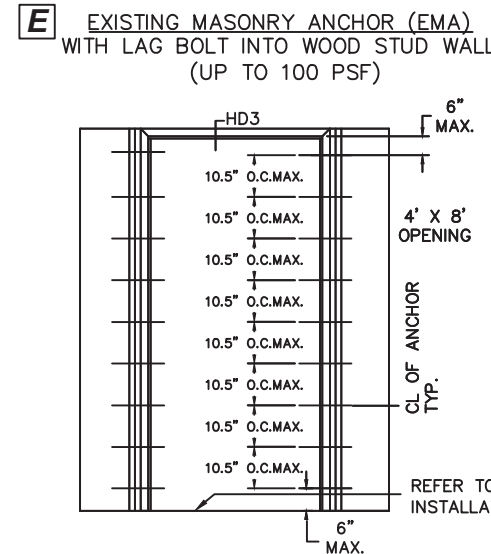
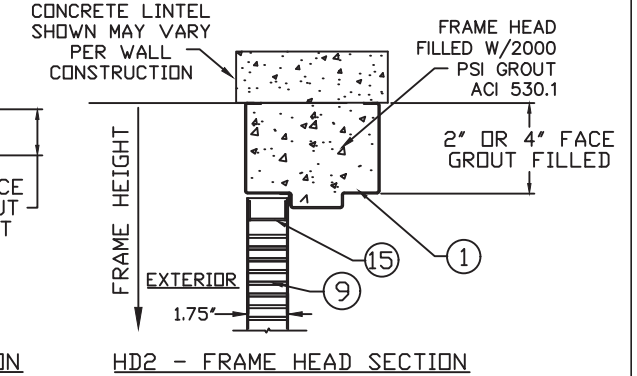
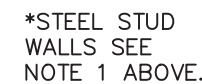
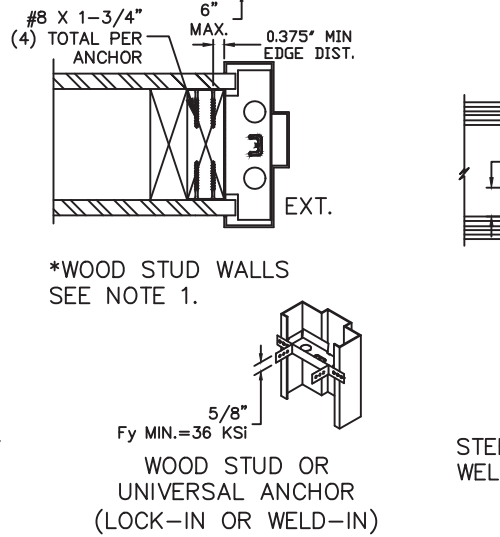
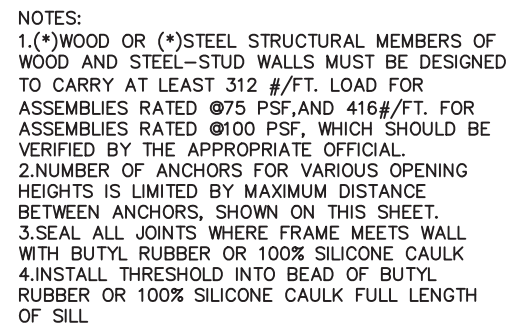
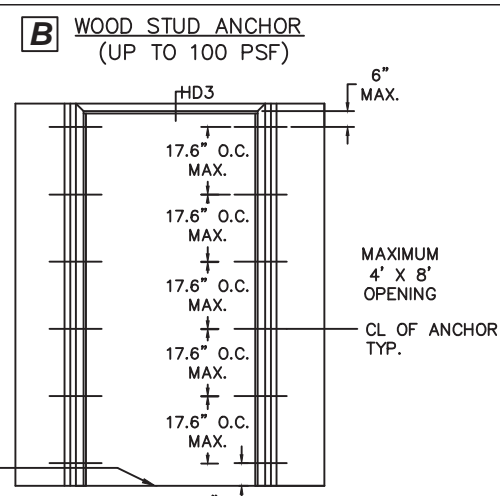
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0821.18

By                       
Miami-Dade Product Control



1. ANCHOR REQUIREMENTS:  
SEE SHEET 4 FOR APPROVED ANCHORS AND INSTALLATION.
2. HINGE REQUIREMENTS: 4.5" STD WT. MIN.  
FOR DOOR OPENING UP TO 90" HIGH - MIN (3) HINGES  
FOR DOOR OPENING OVER 90" - 96" HIGH - MIN (4) HINGES  
STD LOCATIONS: 9.75" FROM RABBIT IN HEAD TO CL OF TOP HINGE  
10.38" FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED  
IN BETWEEN. HINGE LOCATIONS MAY VARY, MAX SPACING DO NOT EXCEED 35.5" FOR 3 HINGES.  
SEE SHEET 14 FOR APPROVED CONTINUOUS HINGE MODELS
3. SEE SHEETS 1, 2 & 3 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
4. HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
5. 4" FACE FRAME HEAD IS AVAILABLE. SEE SHEET 4
6. APPLY CAULK TO FULL LENGTH OF SILL AND ENTIRE PERIMETER OF FRAME. SEE SHEETS 5 & 6
7. WEATHERSTRIPPING:
  - WHEN WATER INFILTRATION IS REQUIRED INSTALL PER SHEET 5. (ZERO INTL 566 VS NGP 950)
  - WHEN WATER INFILTRATION IS NOT REQUIRED - INSTALL PER SHEET 6. (ZERO INTL 566, 65 & 568 VS NGP 950)
8. SEE SHEET 11 FOR HORIZONTAL CROSS SECTION A-A, SEE SHEET 12 FOR VERTICAL CROSS SECTION B-B.
9. TYPICAL SILL INSTALLATION SHALL BE ANCHORED PER OVERHEAD AND SIDEVIEW VIEW TH DETAILS ON THIS SHEET.
10. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.
11. OPTIONAL POWER TRANSFERS, MONITORING SWITCHES, SUPPLEMENTAL MAGNETIC LOCKS MAY BE USED AS ALLOWED BY CODE AND IT DOES NOT EFFECT THE MECHANICAL PROPERTIES OF EXIT DEVICE OR LOCK AND/OR INHIBIT EGRESS; TO BE REVIEWED BY THE BUILDING OFFICIAL.

BEND RADIUS				SCHLAGE LOCK COMPANY, LLC		MANUFACTURING FACILITY:	
				11819 N. PENNSYLVANIA STREET		STEELCRAFT	
THIRD ANGLE PROJECTION				CARMEL, IN 46032		9017 BLUE ASH ROAD	
DRAWN		DATE		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS			
YMF		05/20/07		WITH AND WITHOUT PANIC EXIT DEVICES			
CHECKED				MIAMI-DADE COUNTY PRODUCT APPROVAL			
				H-SERIES FLUSH SINGLE DOORS (OUTSWING)			
APPROVED		SIZE	FLAT	DWG NO.	IRFS07		REV
							Q
ENG. APPVL		SCALE:		SHEET		3 of 14	
JPD		10/11/07		NTS AUTOCAD			



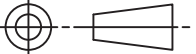
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DATE		FRAME ANCHOR DETAILS & INSTALLATION CONDITIONS.			
05/20/07					
23-0821.18 Date 05/05/2028		SIZE	FLAT	DWG NO.	REV
				IRFS07	Q
10/11/07 Product Control		SCALE:	NTS	AUTOCAD	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)

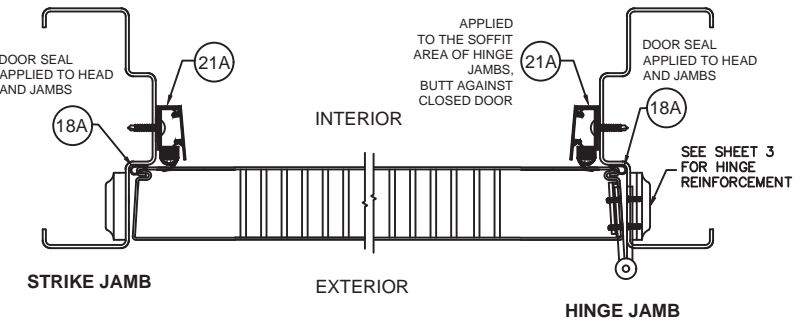
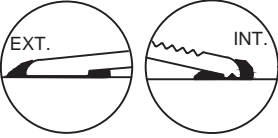
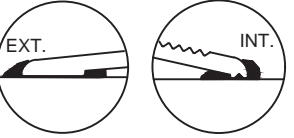
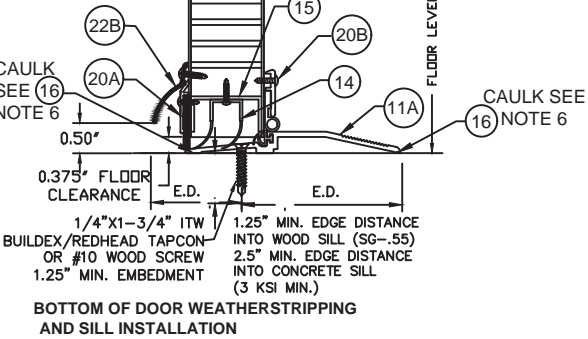
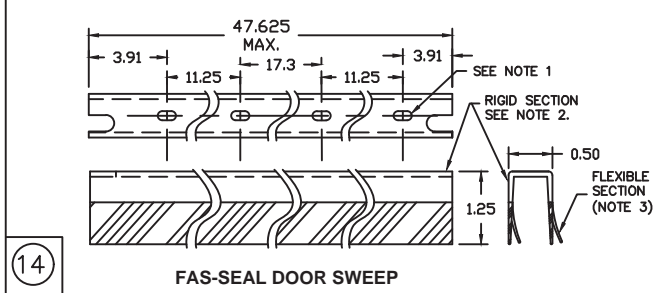
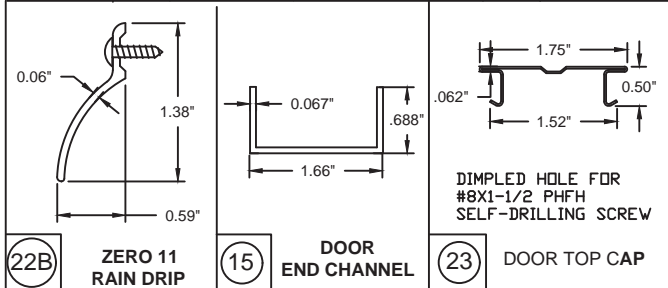
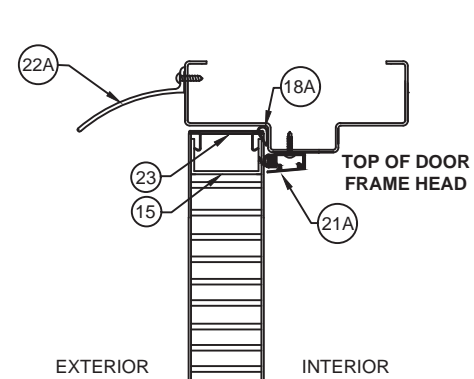
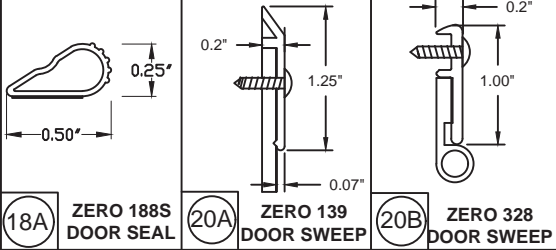
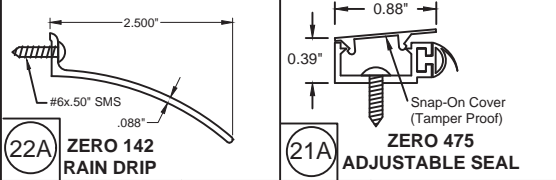
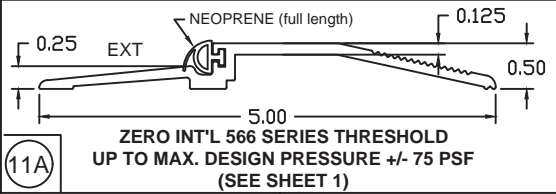
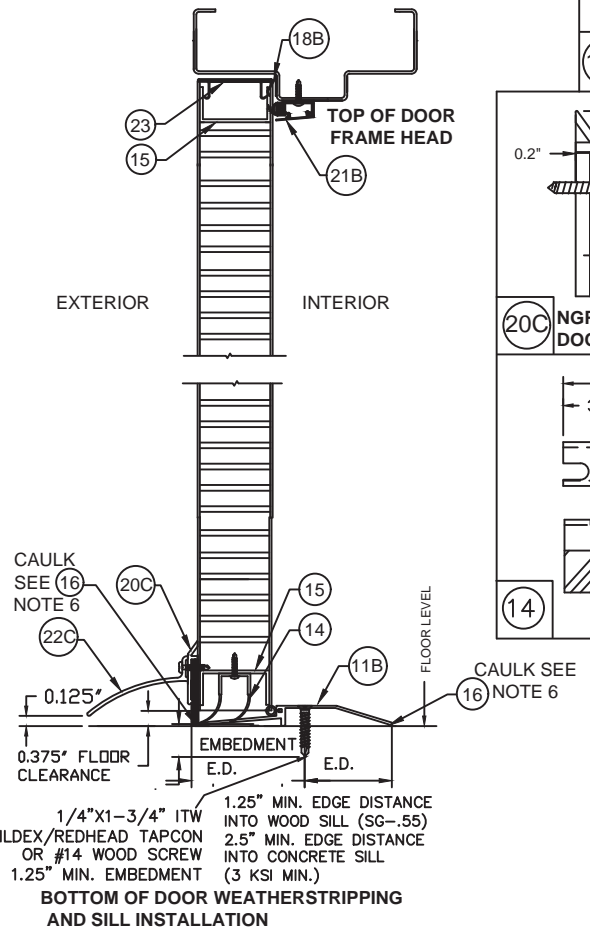
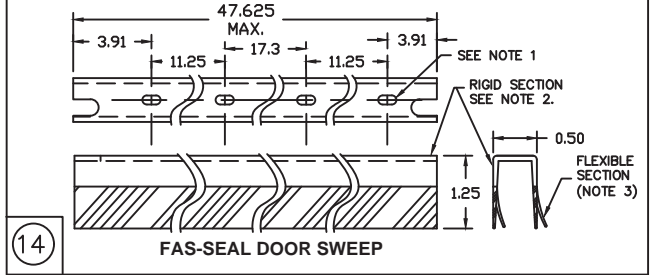
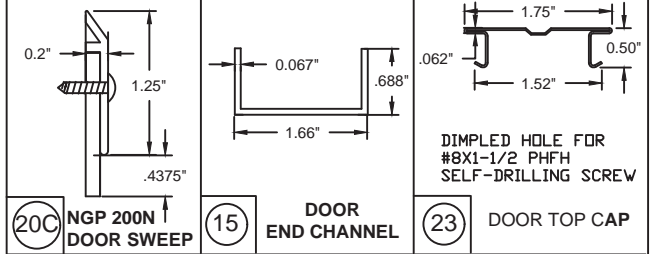
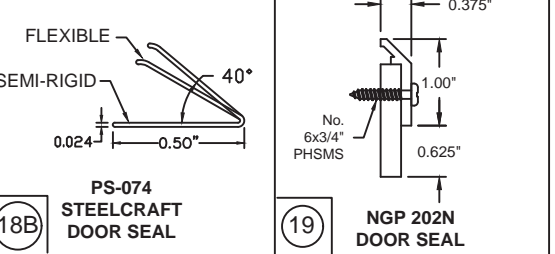
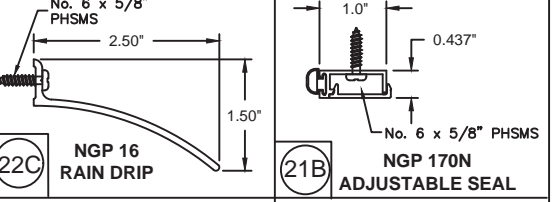
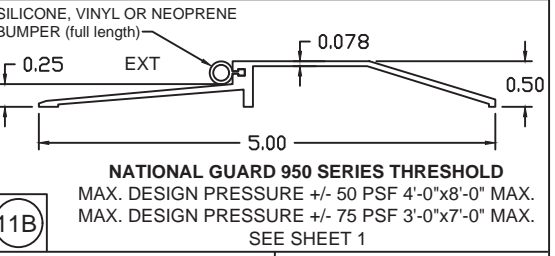


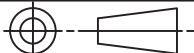
TABLE 3.2 WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

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>					
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			
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

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Miami-Dade Product Control

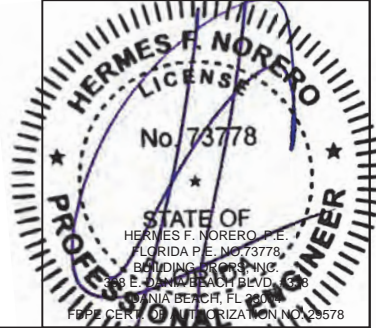




TABLE 4.1 NON WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLDS

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)

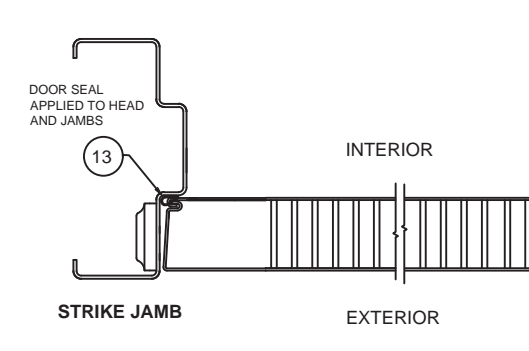
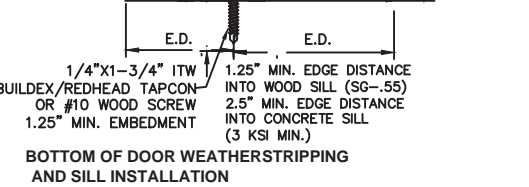
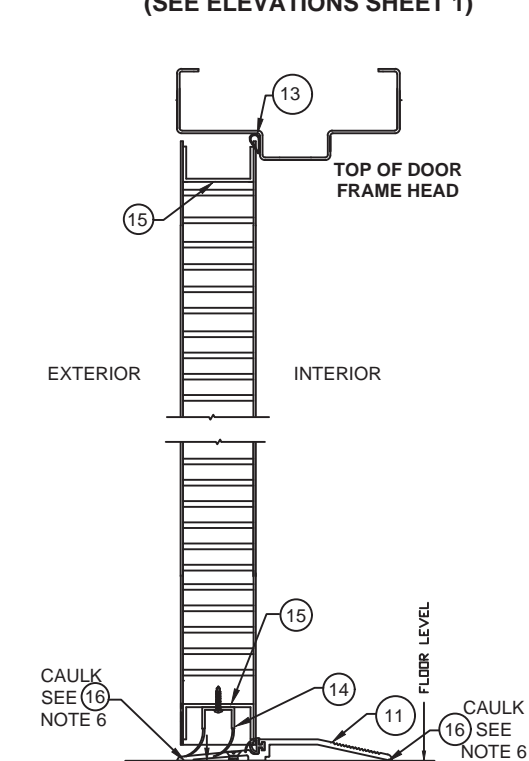
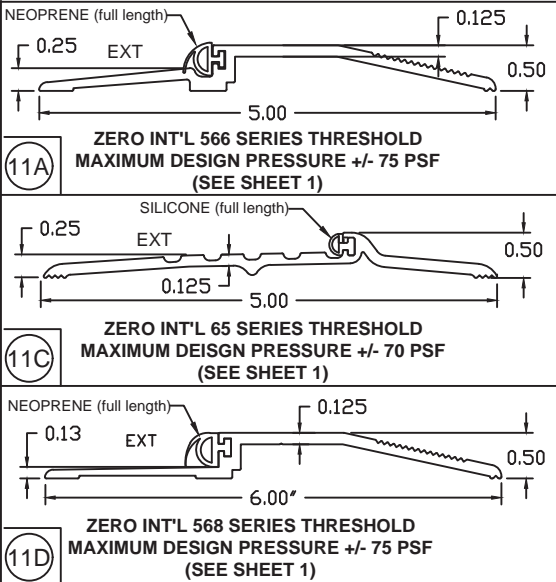
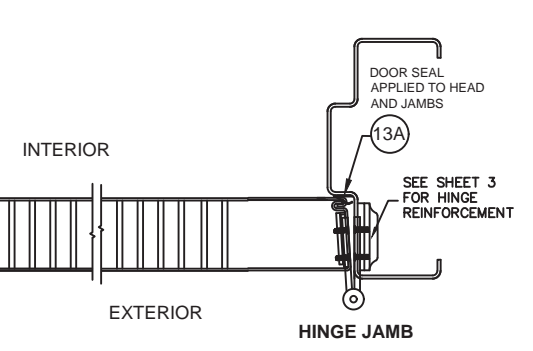
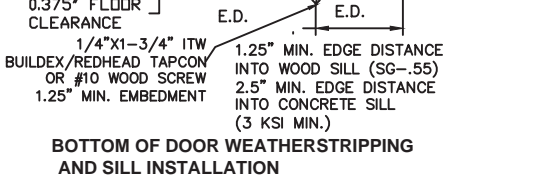
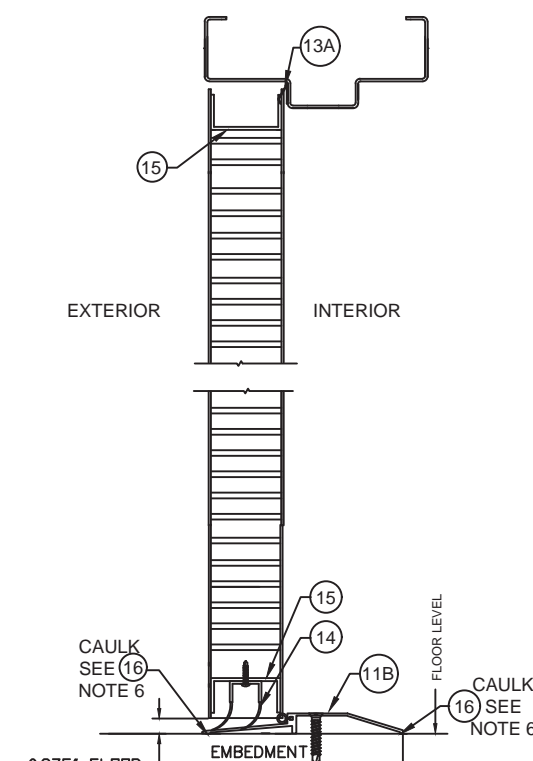
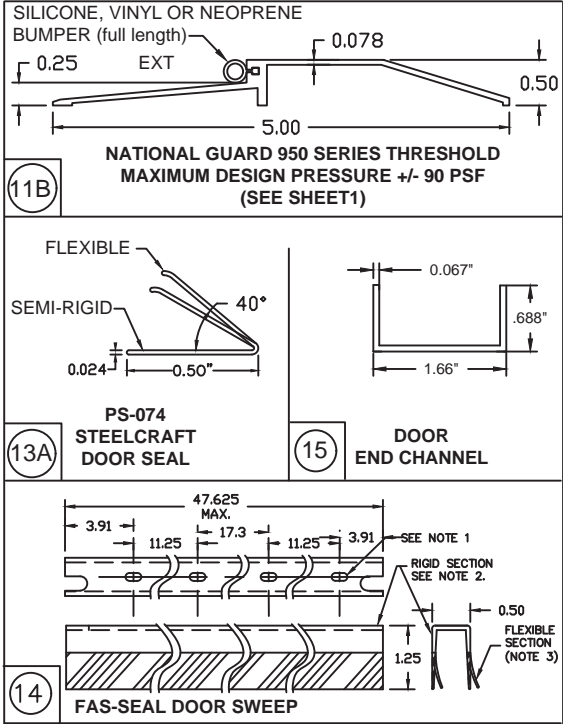


TABLE 4.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

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)



- 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	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 CHECKED			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
APPROVED	DATE 05/20/07			SIZE FLAT
ENG. APPVL JPD	10/11/07			DWG NO. IRFS07
SCALE: NTS			AUTOCAD	
			SHEET 6 of 14	

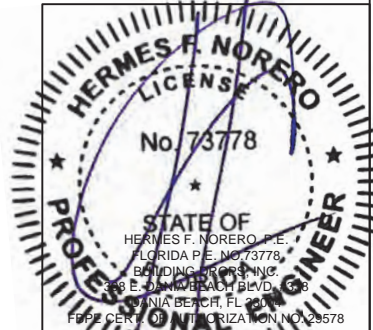
REVISIONS

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

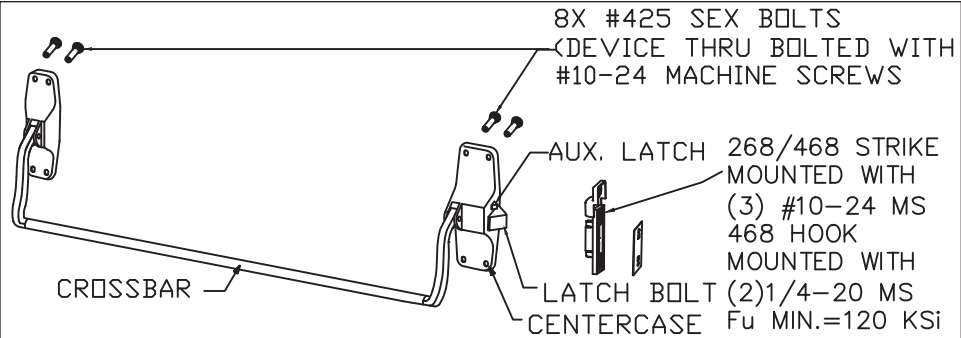
Expiration Date 05/05/2028

By  
Miami-Dade Product Control

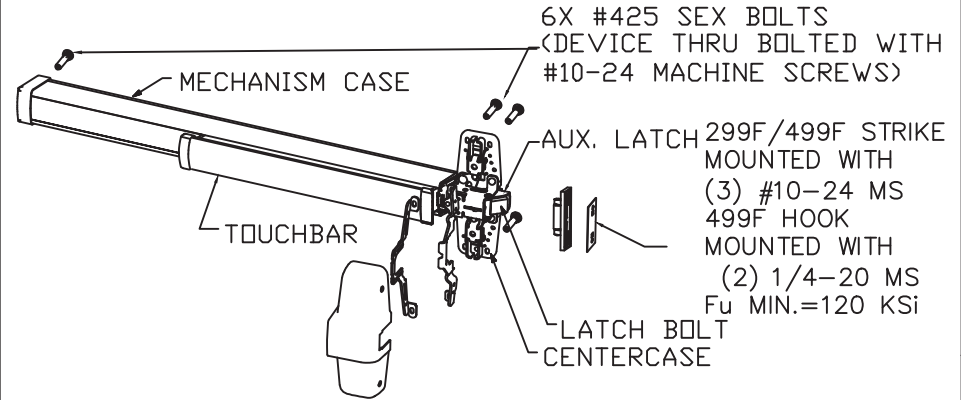




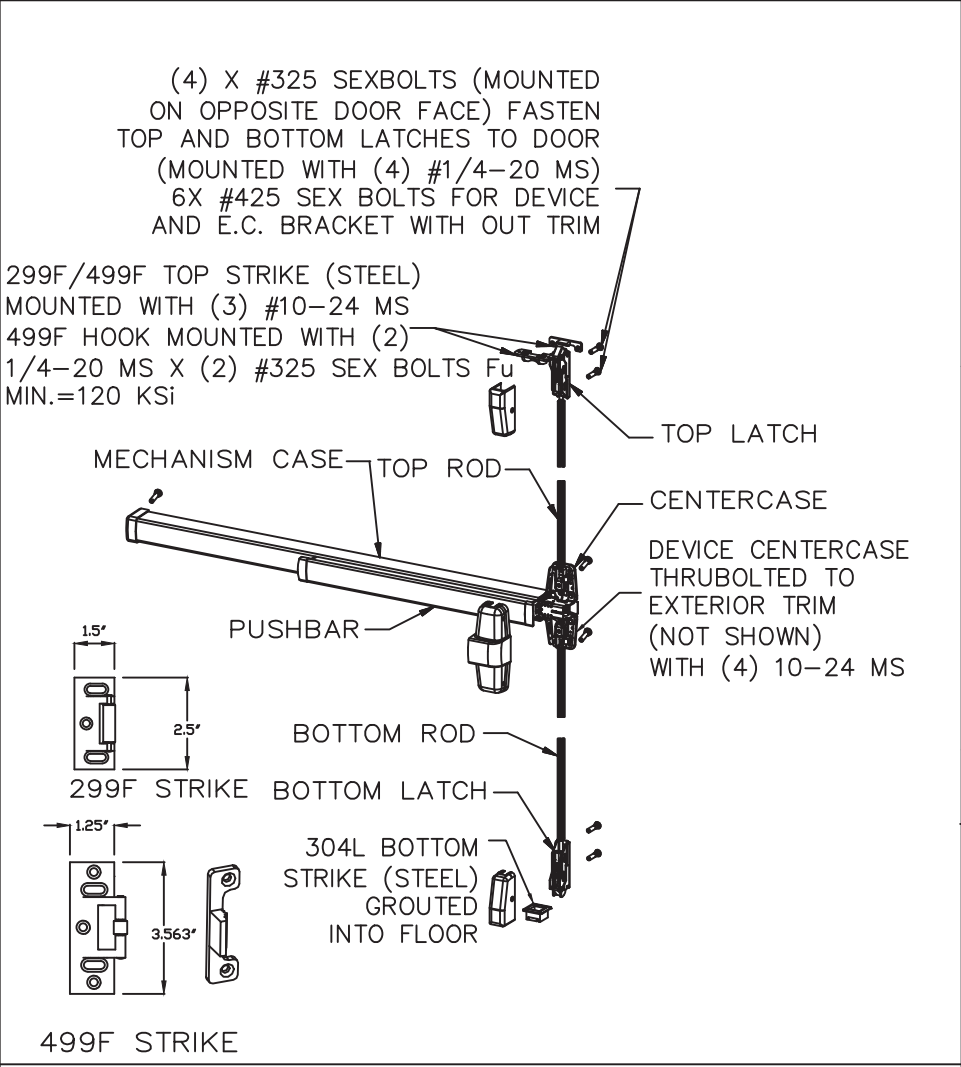




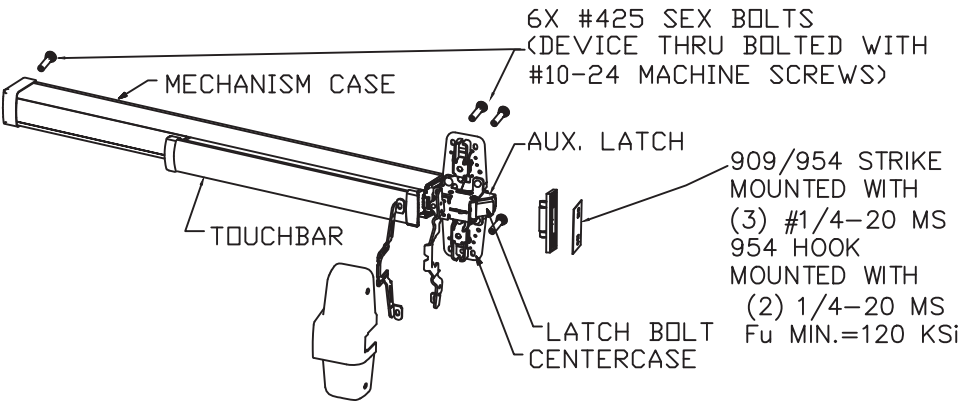
RIM EXIT DEVICE VON DUPRIN 88-F  
USED IN DOOR CONFIGURATION 8 (SEE SHT.1)



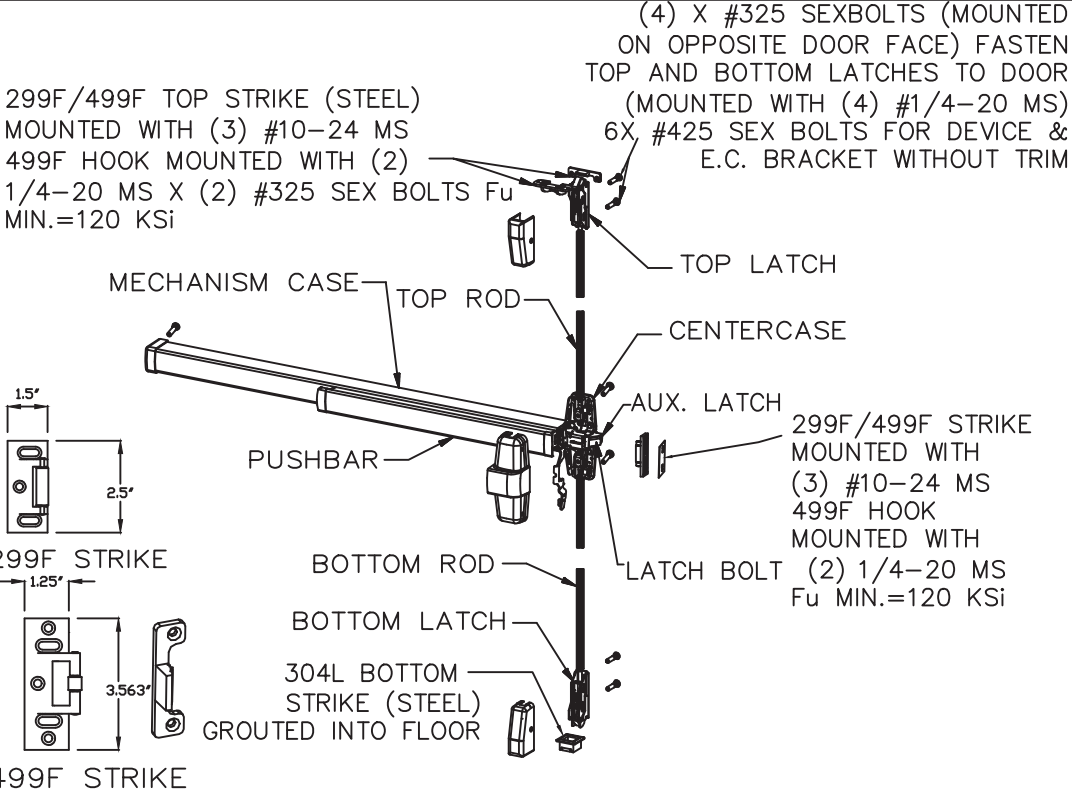
RIM EXIT DEVICE VON DUPRIN 98, 99, 98-F & 99-F  
(USED IN DOOR CONFIGURATION 8 (SEE SHT.1))



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

DRAWN	DATE
YMF	05/20/07
CHECKED	CDATE
APPROVED	ADATE
ENG. APPVL	EDATE
JPD	10/11/07

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

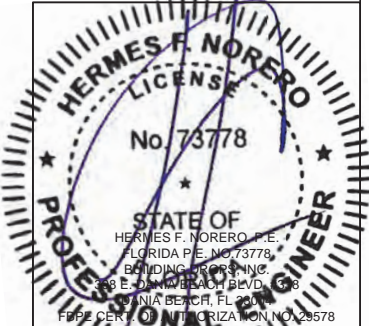
EXIT HARDWARE OPTIONS FOR FLUSH SINGLE DOORS

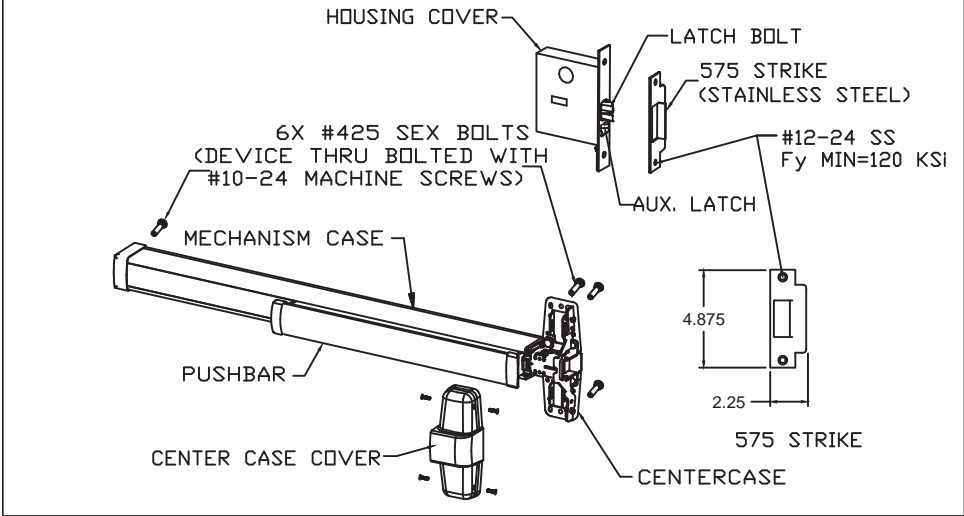
SIZE	FLAT	DWG NO.	REV
		IRFS07	Q
SCALE:	NTS	AUTOCAD	SHEET 8 of 14

REVISIONS

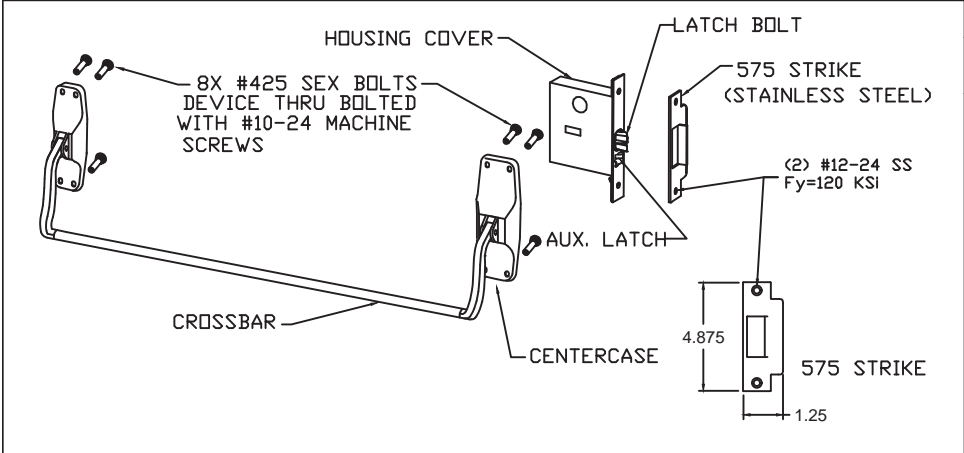
LTR	DESCRIPTION	DATE	APPROVED
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D	REVISED DWG	YMF	01/08/08
F	REVISED DWG	YMF	06/03/08
G	REVISED DWG	YMF	03/03/09
H	REVISED DWG	YMF	04/07/10
J	REVISED NAME	JPD	11/01/13
K	REVISED DWG	JPD	02/01/15
M	ENGINEER CHANGE	LA	02/16/17
N	ADDRESS CHANGE	JPD	01/10/20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

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

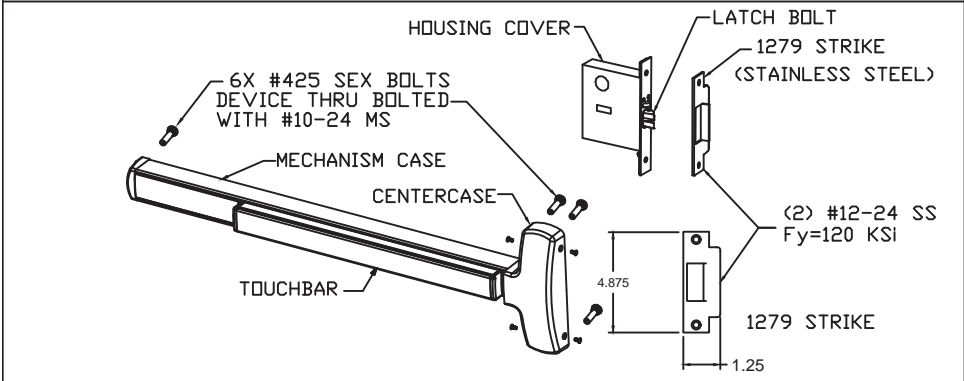




MORTISE EXIT DEVICE VON DUPRIN 9875, 9975, 9875-F & 9975-F  
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

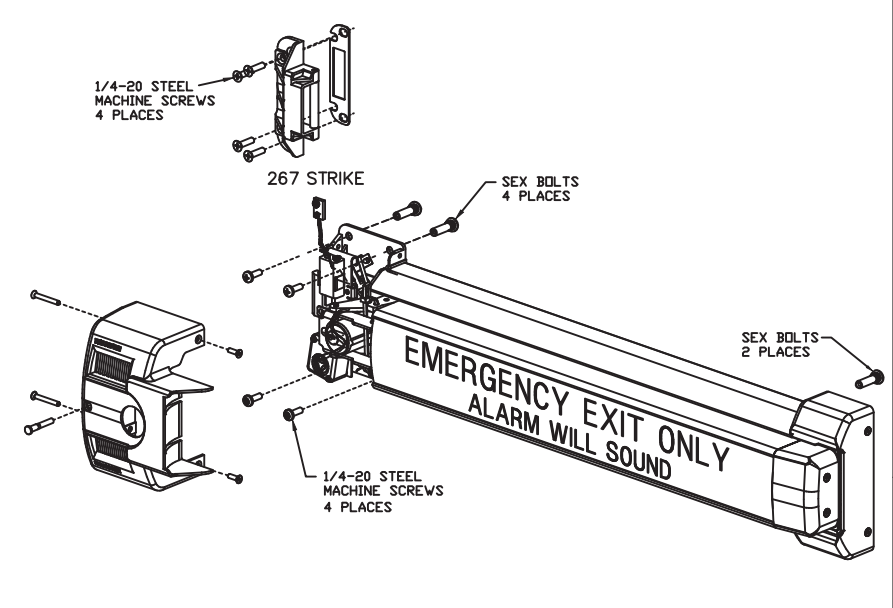


MORTISE EXIT DEVICE VON DUPRIN 8875 & 8875-F  
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

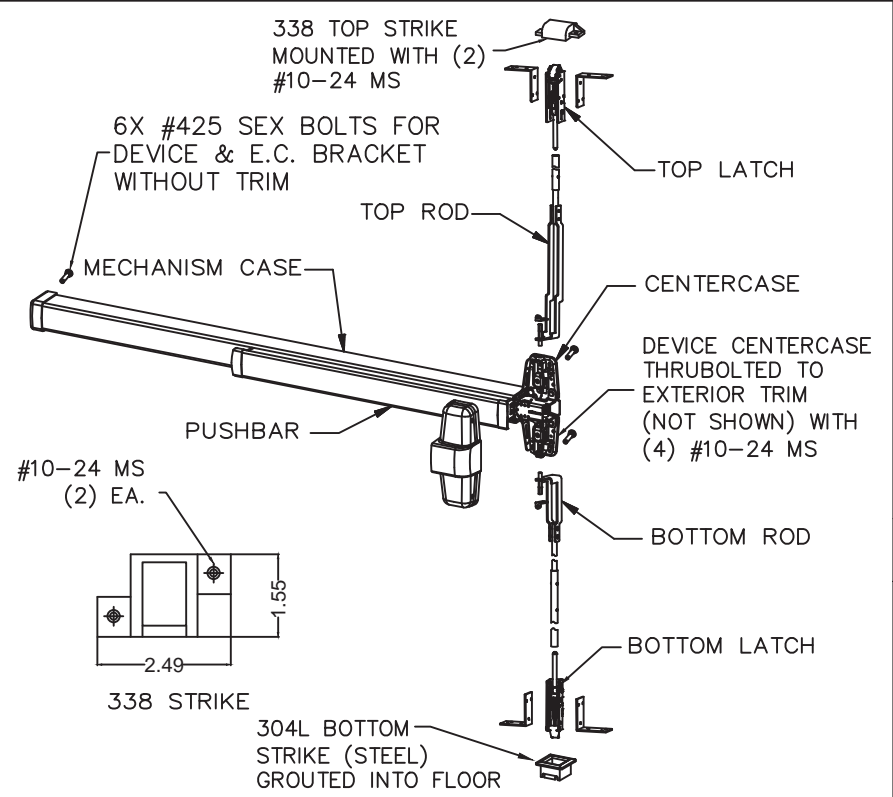


MORTISE EXIT DEVICE FALCON 25-M & F-25-M  
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

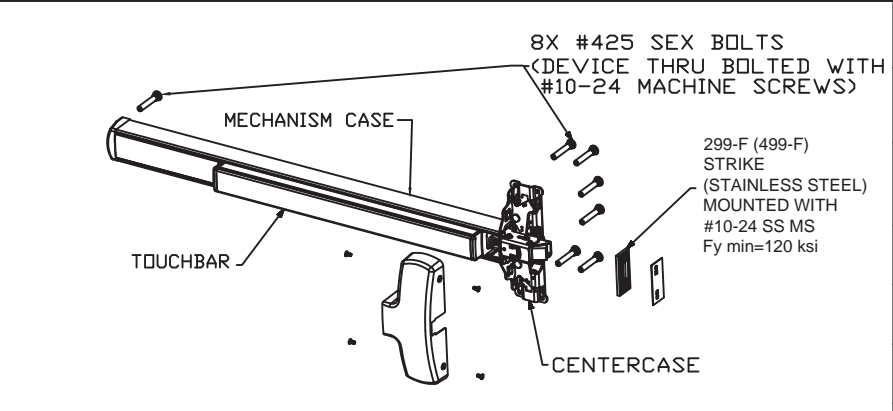
NOTES:  
1. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.  
2. EXIT HARDWARE OPTIONS:  
FOR 98/99 & XP98/99 SERIES - E, RX, LX, SS, EL, QEL, CX, F ALK, CD, PN TRIMS: ALL APPLICABLE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



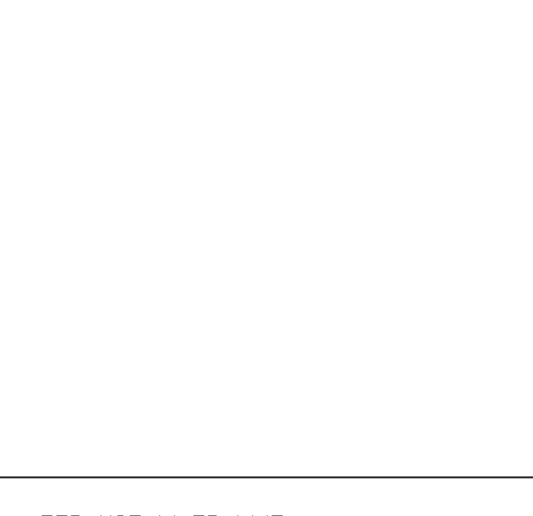
EXIT ALARM LOCK VON DUPRIN 2670 GUARD-X  
USED IN DOOR CONFIGURATION 11 (SEE SHT.1)



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)

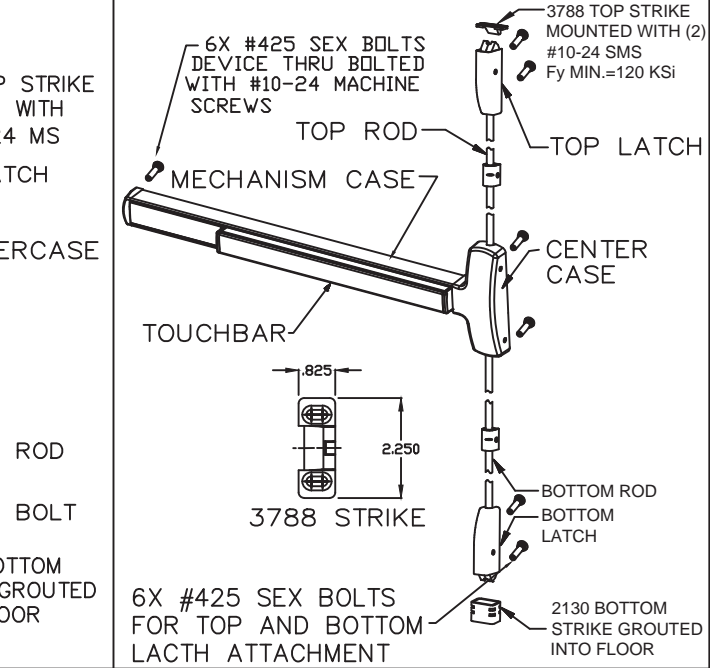


RIM EXIT DEVICE FALCON (F)25-R  
USED IN DOOR CONFIGURATION 13 (SEE SHT.1)



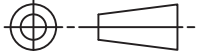
CONCEALED VERTICAL ROD EXIT DEVICE FALCON F-25-C  
USED IN DOOR CONFIGURATION 6 (SEE SHT.1)

R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
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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

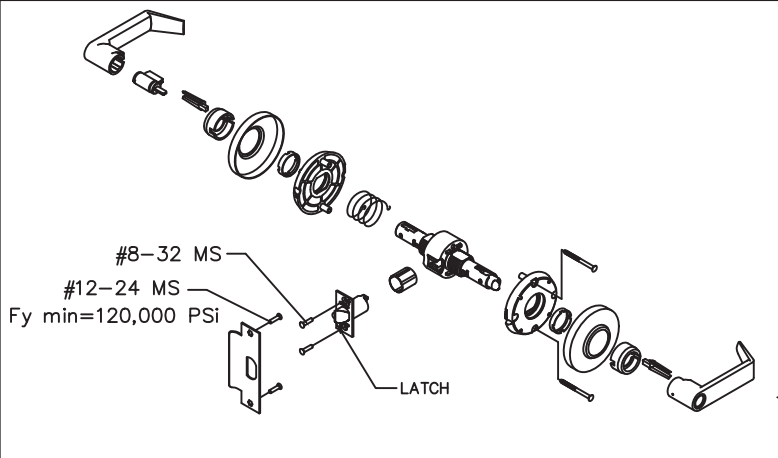


SURFACE VERTICAL ROD EXIT DEVICE FALCON (F)25-V  
USED IN DOOR CONFIGURATION 5 (SEE SHT.1)

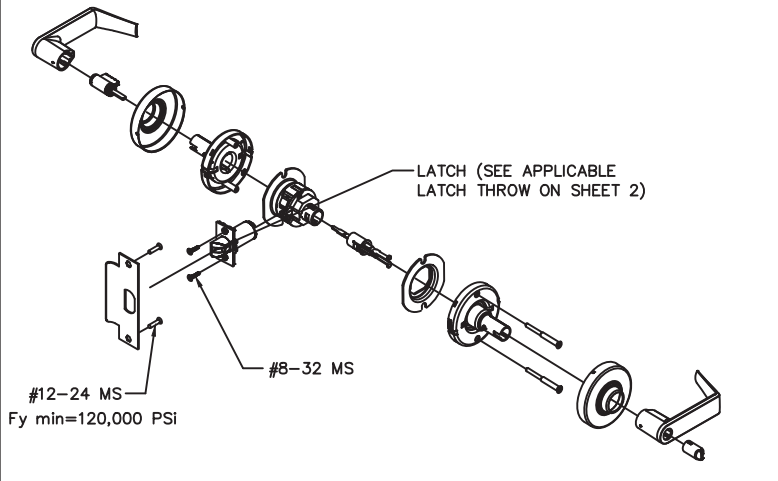
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0821.18  
Expiration Date 05/05/2028  
By   
Miami-Dade Product Control

BEND RADIUS		<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>					
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	EXIT HARDWARE OPTIONS FOR FLUSH SINGLE DOORS			
CHECKED					
APPROVED		SIZE	FLAT	DWG NO.	REV
				IRFS07	Q
ENG. APPVL JPD	10/11/07	SCALE:	NTS	AUTOCAD	SHEET 9 of 14

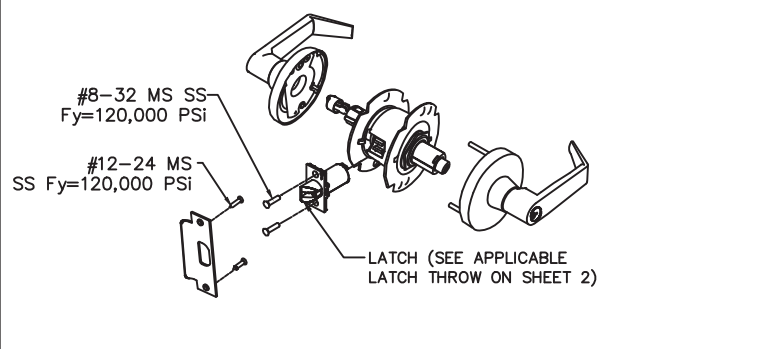




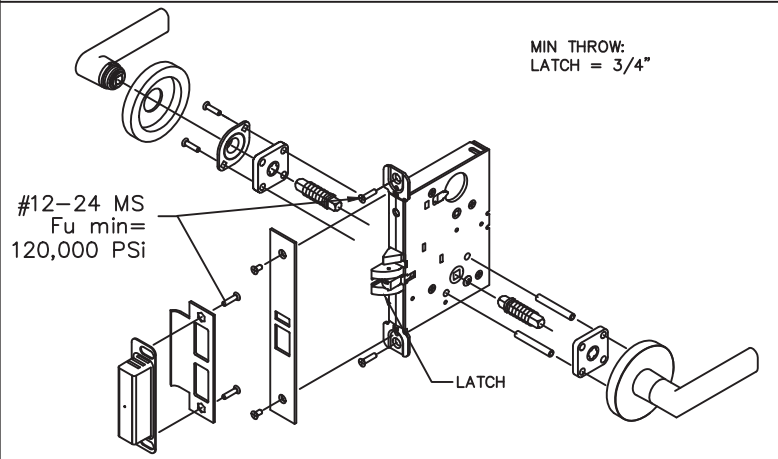
SCHLAGE AL-SERIES **CYLINDRICAL LOCKSET** WITH 1/2" THROW LATCH  
USED IN **DOOR CONFIGURATION 2** (SEE SHT.1)



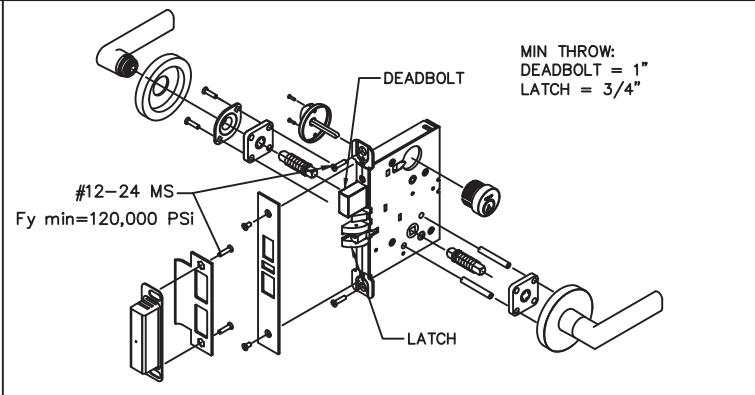
SCHLAGE D/ND-SERIES CYLINDRICAL LOCKSET  
USED IN **DOOR CONFIGURATIONS 3 & 4 & 16** (SEE SHTS.1&2)



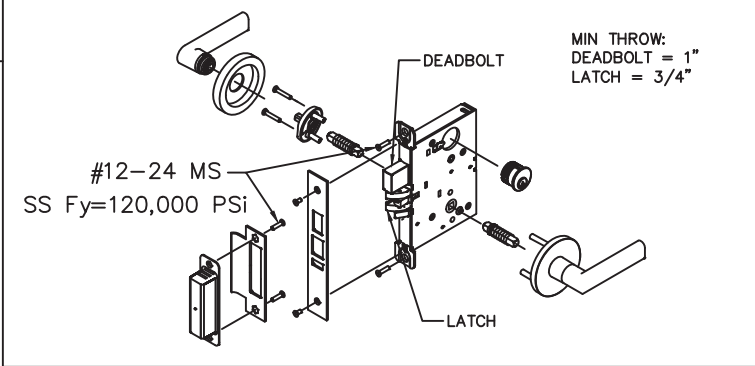
FALCON T-SERIES CYLINDRICAL LOCKSET  
USED IN **DOOR CONFIGURATIONS 4 & 16** (SEE SHTS.1&2)



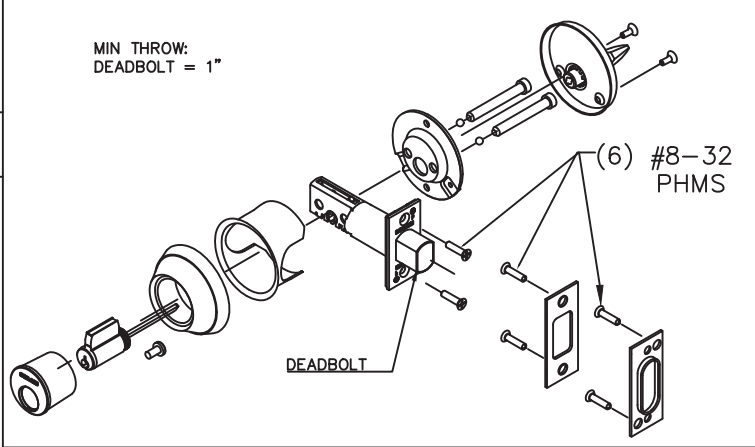
SCHLAGE L/LV 9000 SERIES MORTISE **LOCKSET** WITHOUT DEADBOLT  
USED IN **DOOR CONFIGURATIONS 14 & 15** (SEE SHTS.1&2)



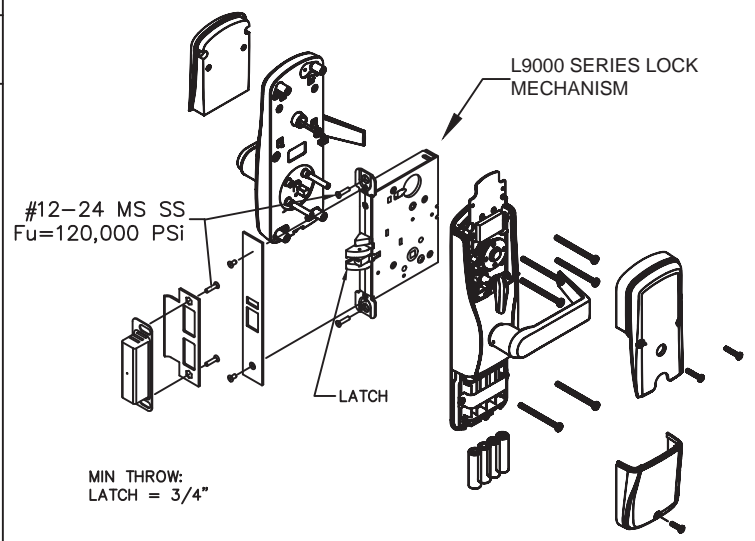
SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET WITH DEADBOLT  
FUNCTION USED IN **DOOR CONFIGURATION 1** (SEE SHTS.1&2)



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

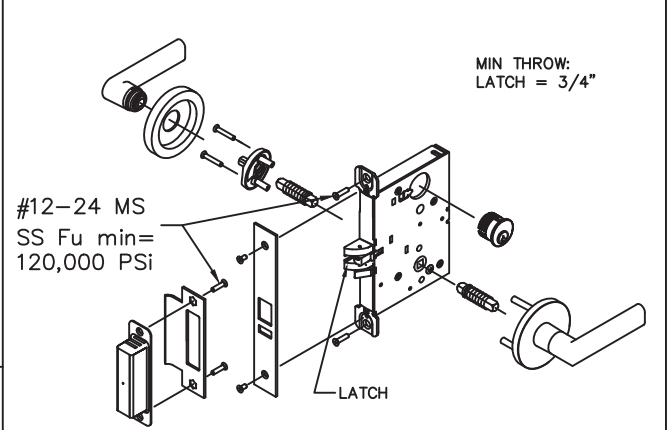


SCHLAGE B600/700/800 CYLINDRICAL DEADLOCK  
USED IN **DOOR CONFIGURATION 12** (SEE SHTS.1&2)

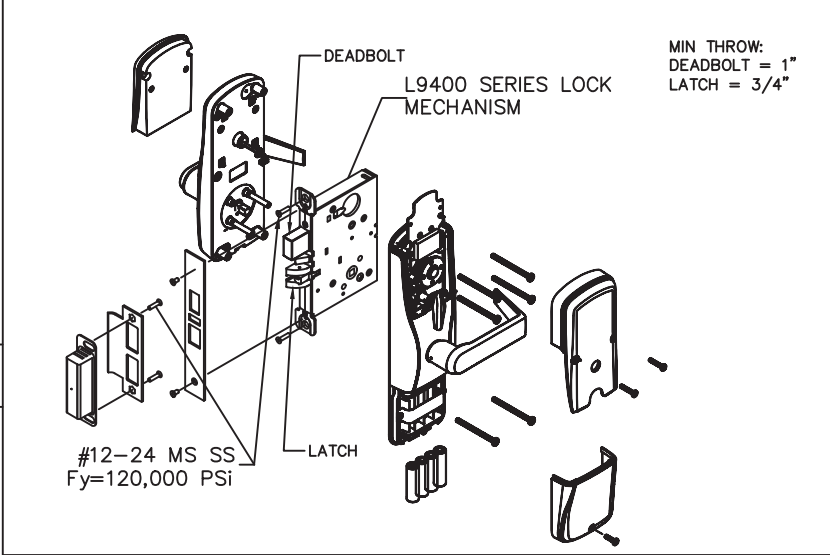


SCHLAGE AD/CO MS SERIES MORTISE LOCKSET WITHOUT DEADBOLT  
USED IN **DOOR CONFIGURATIONS 14 & 15** (SEE SHTS.1&2)

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.

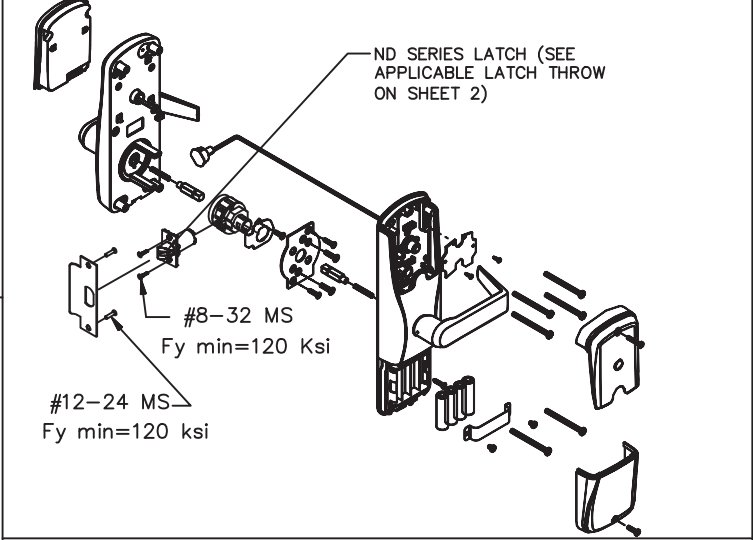


FALCON MA-SERIES MORTISE LOCKSET  
WITHOUT DEADBOLT FUNCTION USED IN **DOOR  
CONFIGURATION 15** (SEE SHTS.1&2)



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

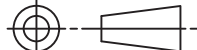
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E	REVISED	DWG	YMF	04/08/08	
F	REVISED	DWG	YMF	06/03/08	
G	REVISED	DWG	YMF	03/03/09	
H	REVISED	DWG	YMF	04/07/10	
J	REVISED	NAME	JPD	11/01/13	
K	REVISED	DWG	JPD	02/01/15	
M	ENGINEER	CHANGE	LA	02/16/17	
N	ADDRESS	UPDATE	SM	02/27/20	
P	ANCHOR/STRIKE	UPDATE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



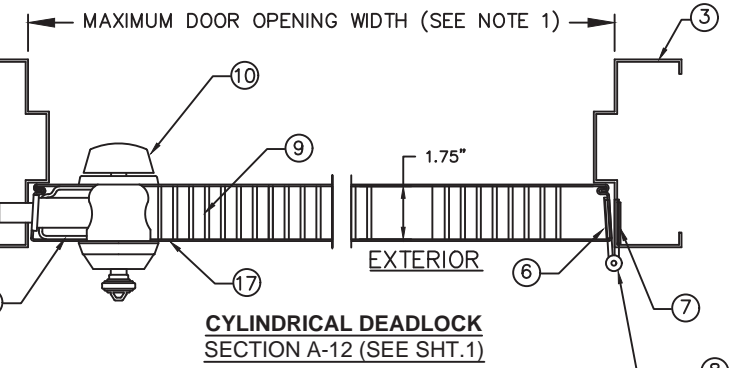
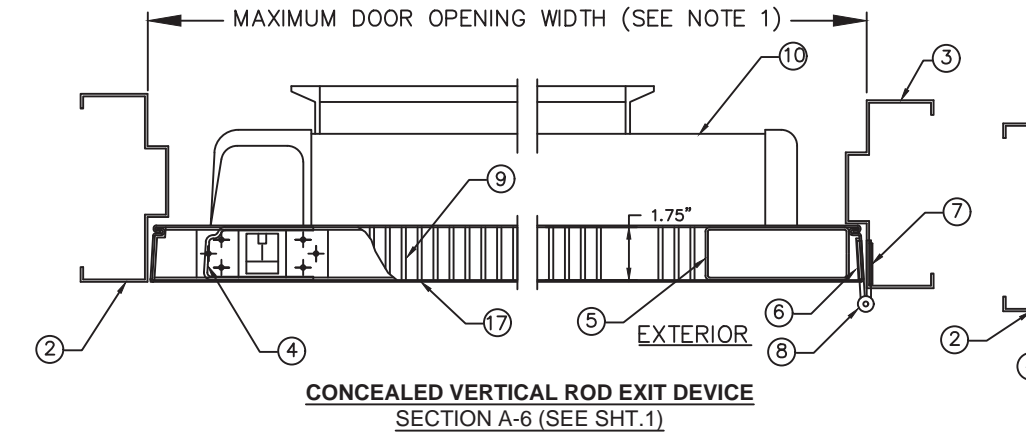
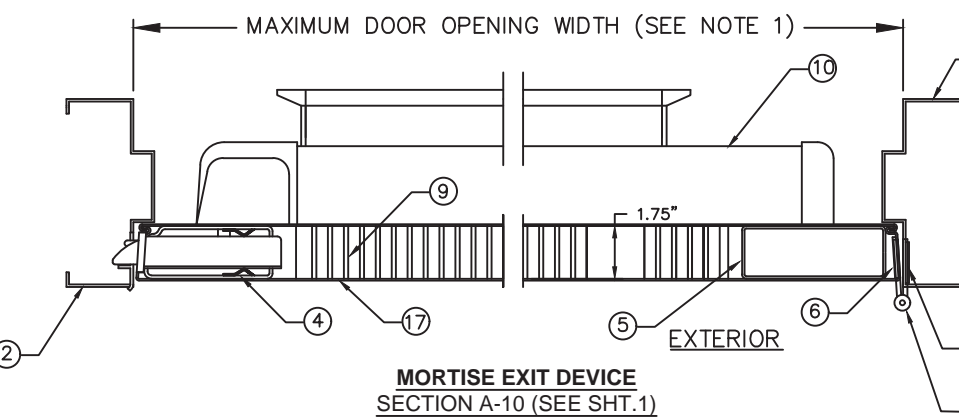
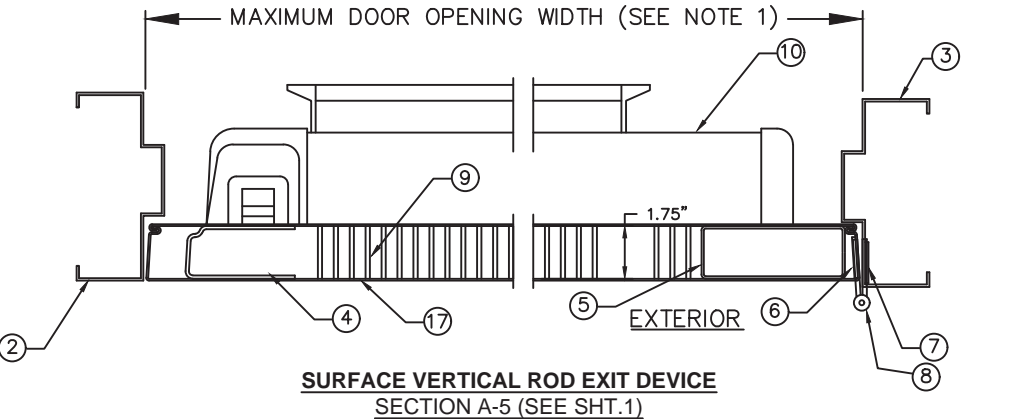
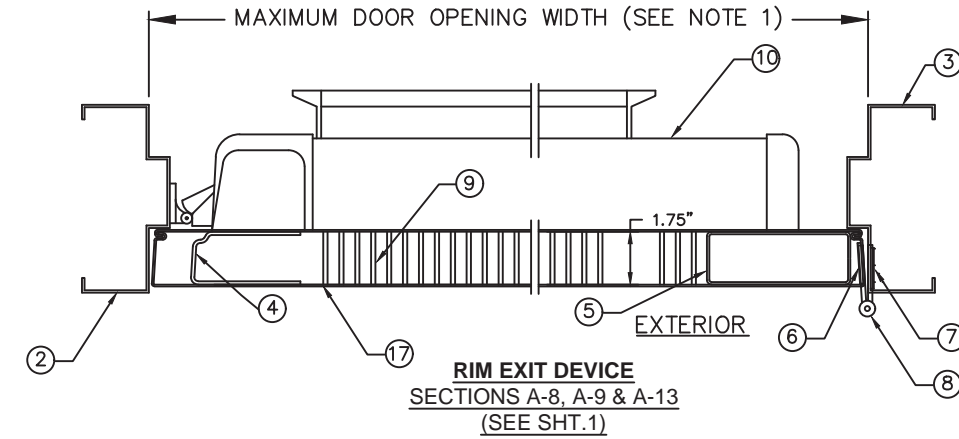
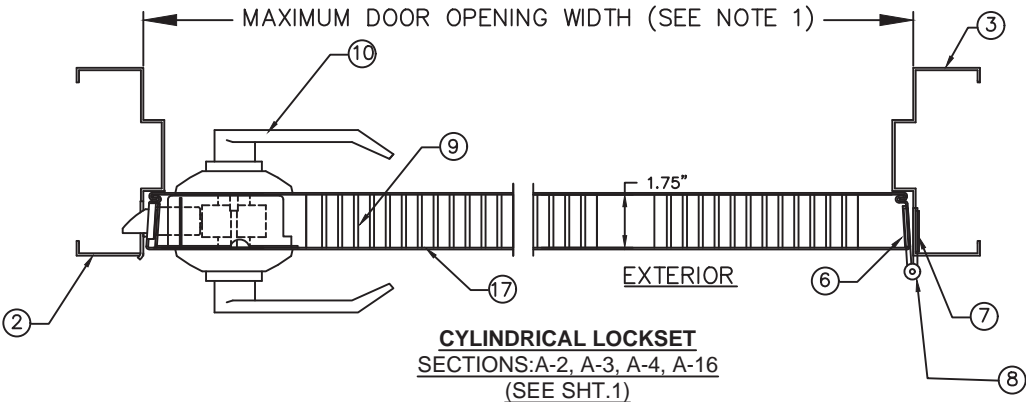
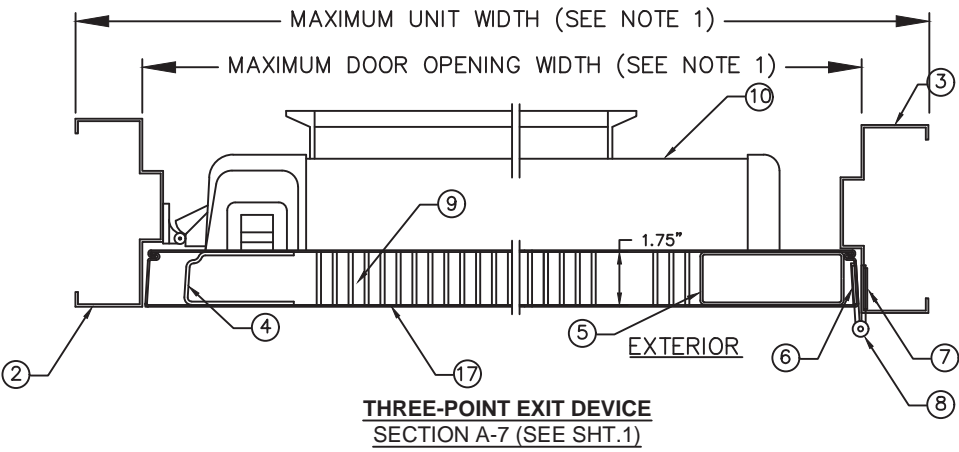
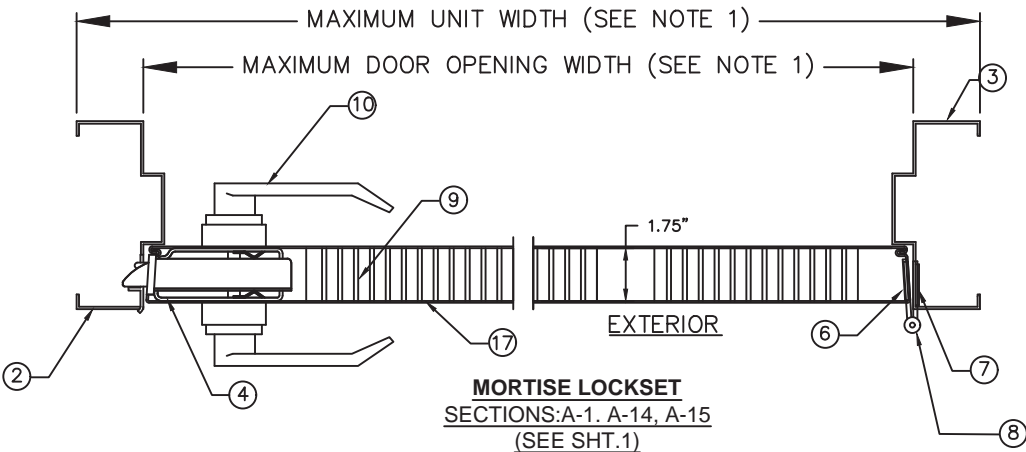
SCHLAGE AD/CO CY SERIES CYLINDRICAL LOCKSET  
USED IN CONFIGURATIONS: 3 & 4 & 16 (SEE SHTS.1&2)

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

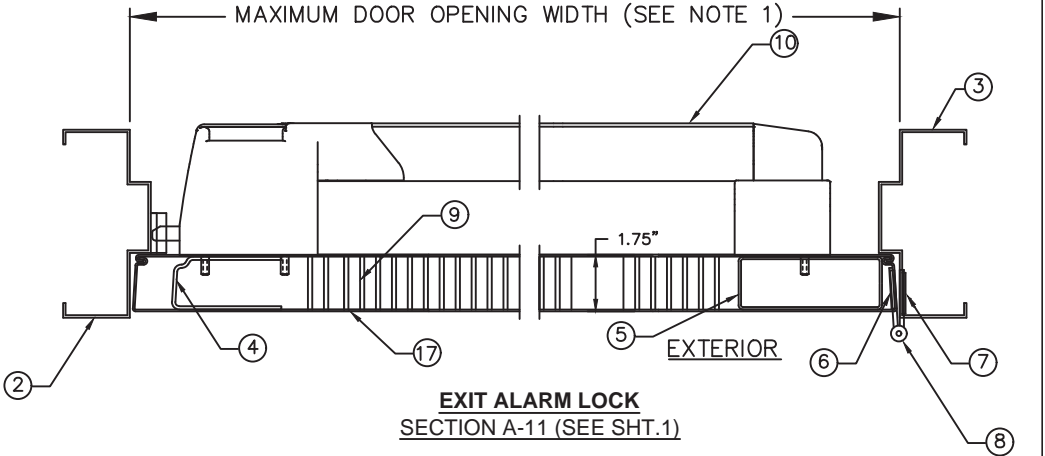
HERMES F. NORERO  
LICENSE  
No. 73778  
STATE OF FLORIDA  
P.E. NO. 73778  
BANDING EXPIRATION  
DATE 05/05/2028  
505 E. DIAMOND BLVD., 3RD  
FLOOR, MIAMI BEACH, FL 33139  
FPEE CERT. AUTHORIZATION NO. 23578


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  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 10 of 14		

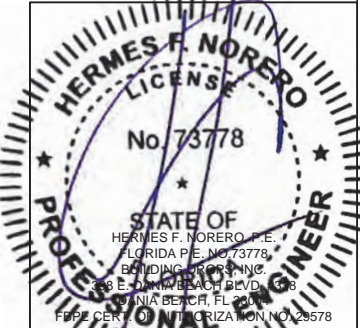


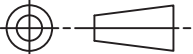


R E V I S I O N S				
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J	REVISED	NAME	JPD	11/01/13
M	ENGINEER	CHANGE	LA	03/10/17
N	ADDRESS	UPDATE	SM	02/27/20
P	ANCHOR/STRIKE	UPDATE	LL	04/06/22
Q	2023 FBC	UPDATE	OL	07/13/23



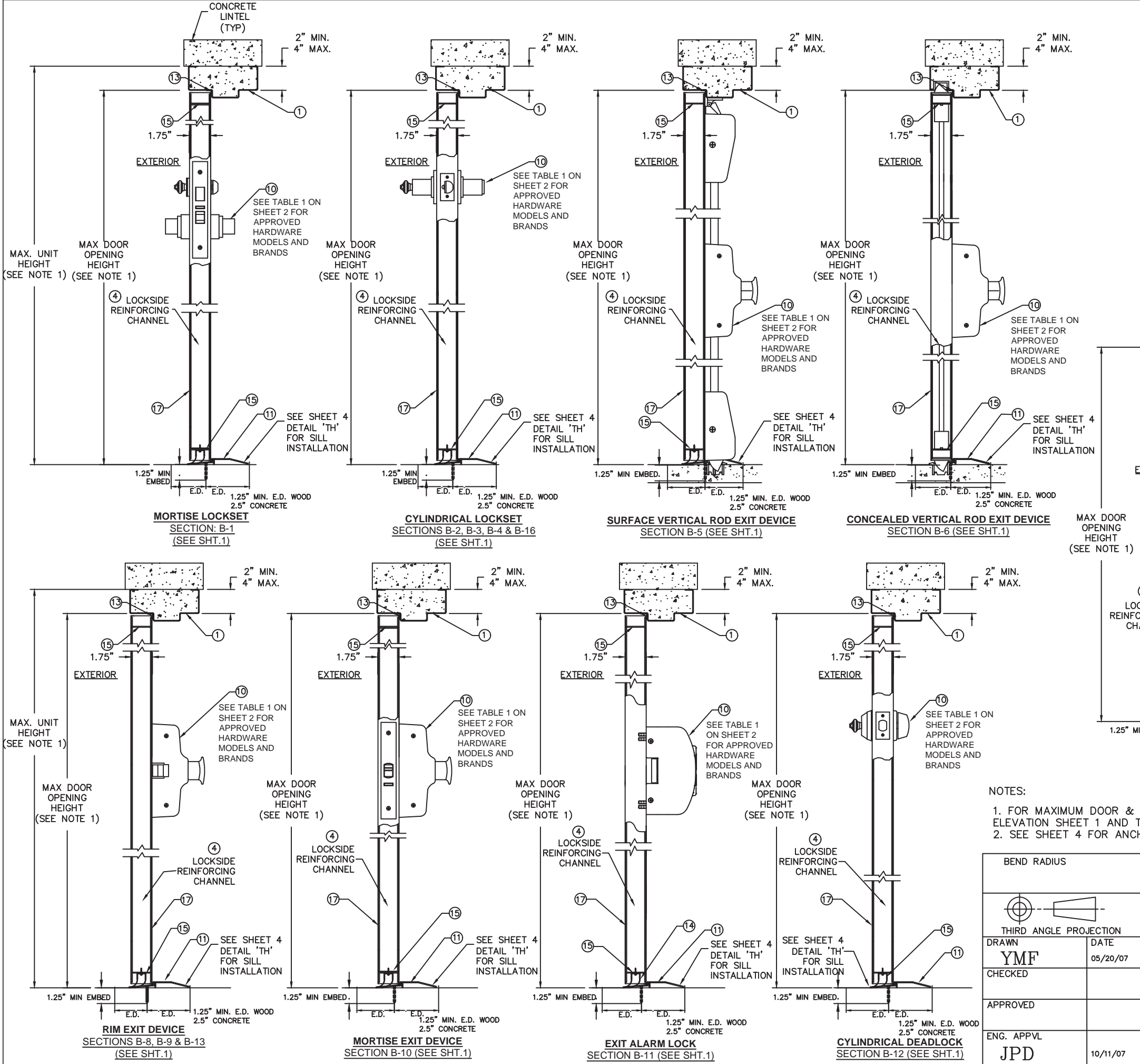
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0821.18  
Expiration Date 05/05/2028  
By   
Miami-Dade Product Control



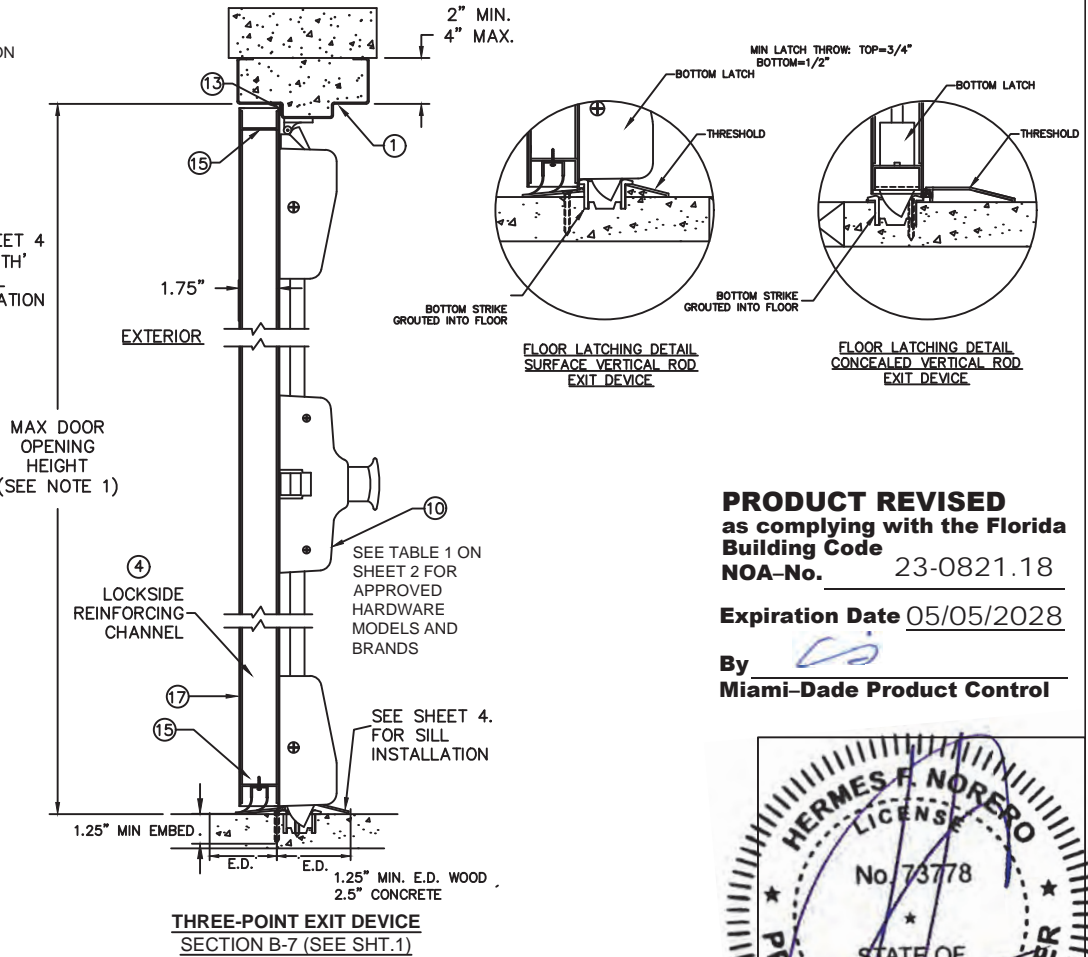
BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION							
DRAWN YMF	DATE 05/20/007	TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES HORIZONTAL CROSS SECTIONS FOR FLUSH SINGLE DOORS.					
CHECKED							
APPROVED		SIZE	FLAT	DWG NO.		REV	
				IRFS07		Q	
ENG. APPVL JPD	10/11/07	SCALE:	NTS	AUTOCAD		SHEET 11 of 14	

NOTES:

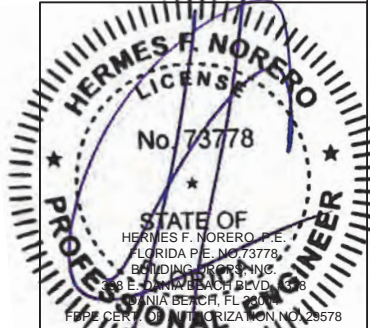
1. FOR MAXIMUM OPENING DIMENSION SIZES AND MAX UNIT SIZES SEE SHEETS 1, 2, 3, 11 & 12.
2. SINGLE OUTSWING DOORS, SEE SHEET 4 FOR INSTALLATION INFORMATION.




R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL	DWG	YMF	05/20/07
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K	REVISED	DWG	JPD	02/01/15
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

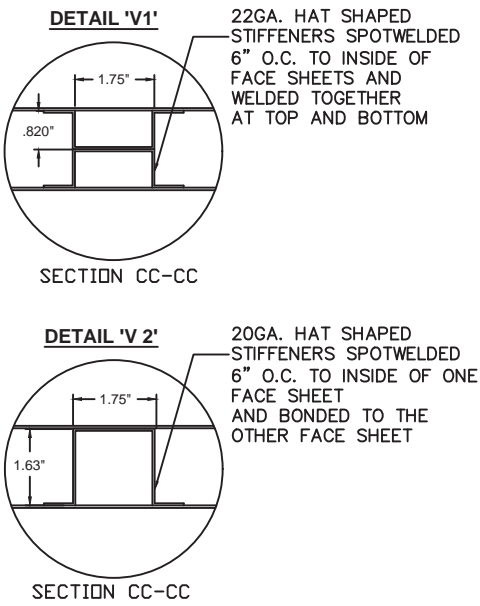
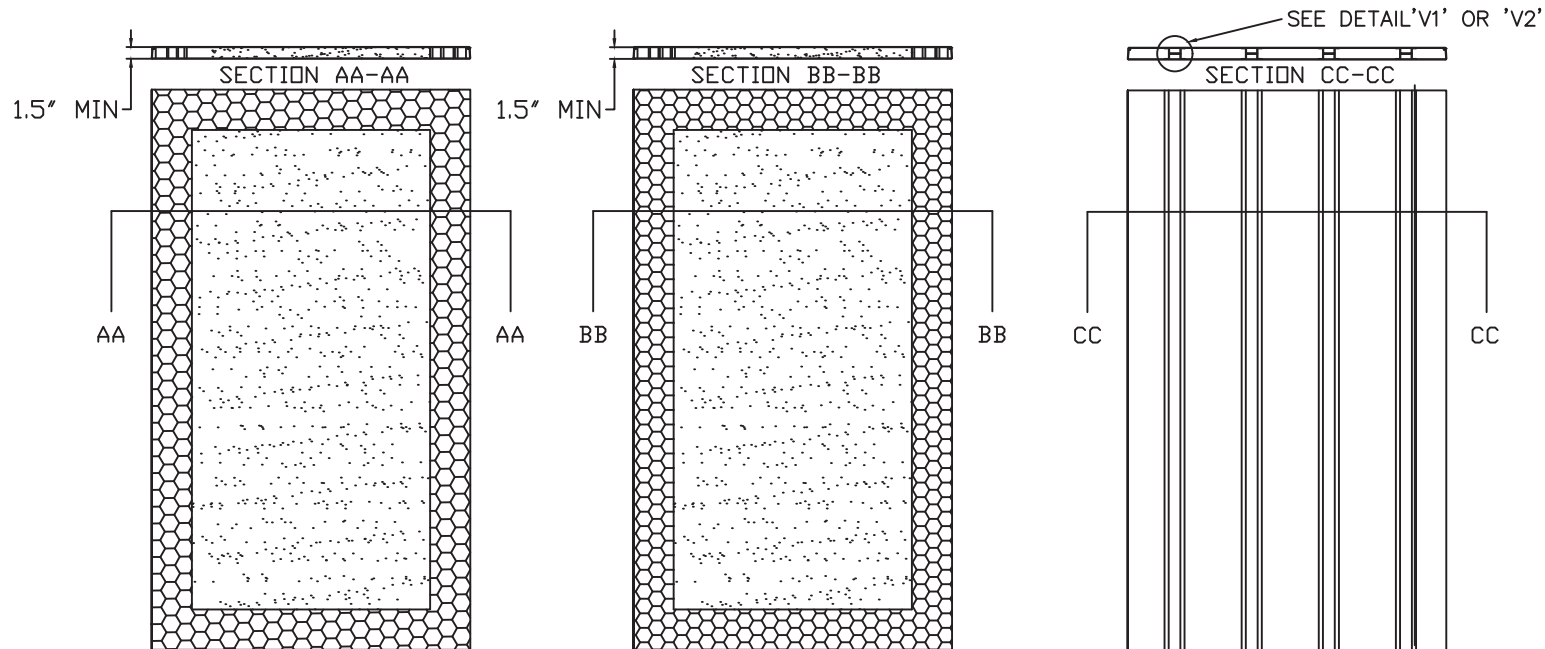


**PRODUCT REVISED**  
as complying with the Florida  
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NOA-No. 23-0821.18  
Expiration Date 05/05/2028  
By *[Signature]*  
Miami-Dade Product Control



- NOTES:
- FOR MAXIMUM DOOR & UNIT OPENING SIZES SEE ELEVATION SHEET 1 AND TABLE 1 ON SHEET 2 AND SHEETS 11 & 12.
  - SEE SHEET 4 FOR ANCHOR INSTALLATION DETAILS.

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	VERTICAL CROSS SECTIONS FOR FLUSH SINGLE DOORS.					
CHECKED							
APPROVED		SIZE FLAT	DWG NO. IRFS07			REV Q	
ENG. APPVL JPD	10/11/07	SCALE: NTS	AUTOCAD		SHEET 12 of 14		

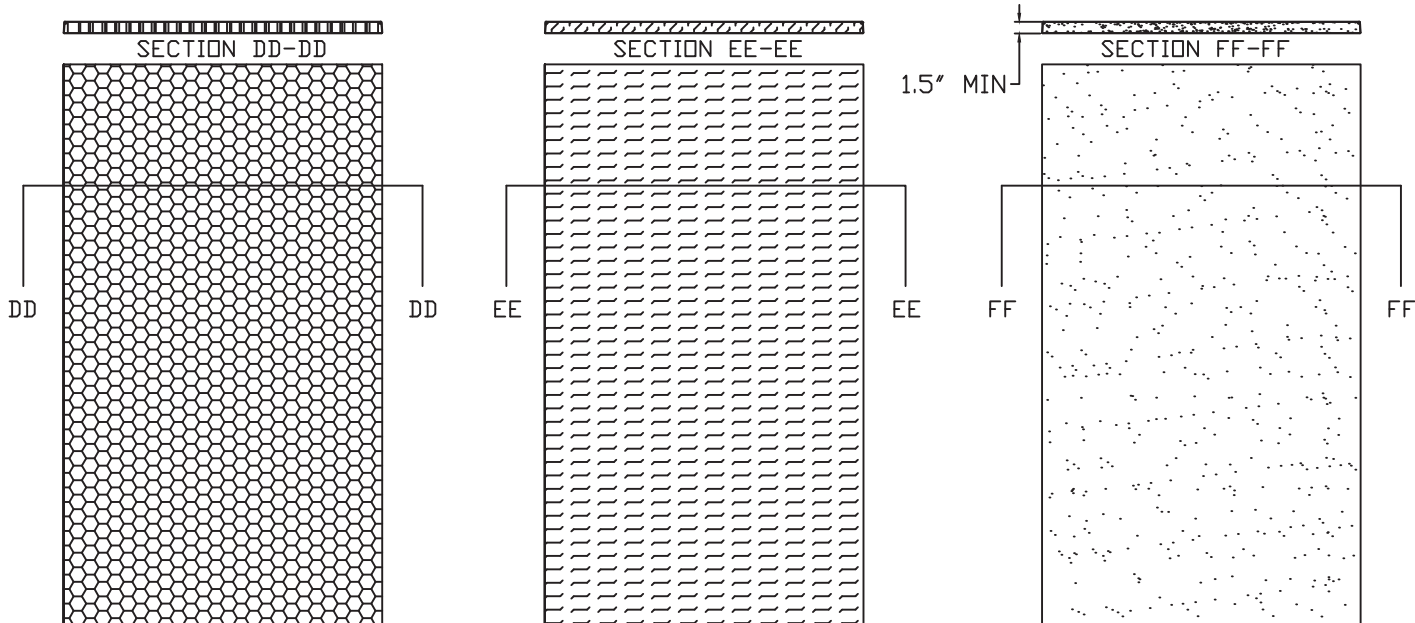


R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	JPD	02/03/14	
B	REVISED DWG	JPD	02/01/15	
C	REVISED DWG	JPD	05/05/15	
M	ENGINEER CHANGE	LA	03/10/17	
N	ADDRESS UPDATE	SM	02/27/20	
Q	2020 FBC UPDATE	NUS	07/07/20	
P	ANCHOR/STRIKE UPDATE	LL	04/06/22	
Q	2023 FBC UPDATE	DL	07/13/23	

(A) EXPANDED POLYSTYRENE FOAM BY ATLAS EPS DENSITY: 1.0 LBS/FT<sup>3</sup>

(B) POLYISOCYANURATE (POLYURETHANE) BY ELLIOT CO. OF INDIANAPOLIS, IN DENSITY: 2 LBS/FT<sup>3</sup>


(C) STEEL STIFFENED HAT SHAPED SECTIONS

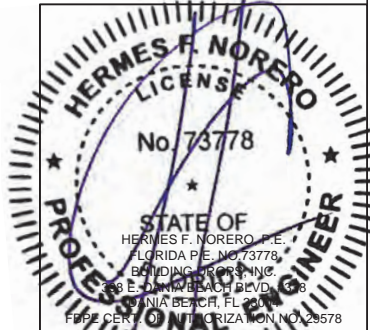


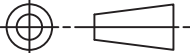
(D) HONEYCOMB KRAFT PAPER.

(E) TEMPERATURE RISE CORE MINERAL FIBER BOARD DENSITY: 17±1.5 LBS/FT<sup>3</sup> 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/FT<sup>3</sup> OR POLYISOCYANURATE (POLYURETHANE) BY ELLIOTT CO. OF INDIANAPOLIS, IN DENSITY: 2 LBS/FT<sup>3</sup>

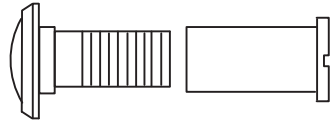
**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 23-0821.18  
Expiration Date 05/05/2028  
By   
Miami-Dade Product Control



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

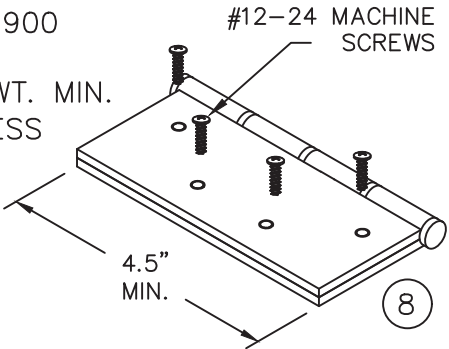
NOTES:  
1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS



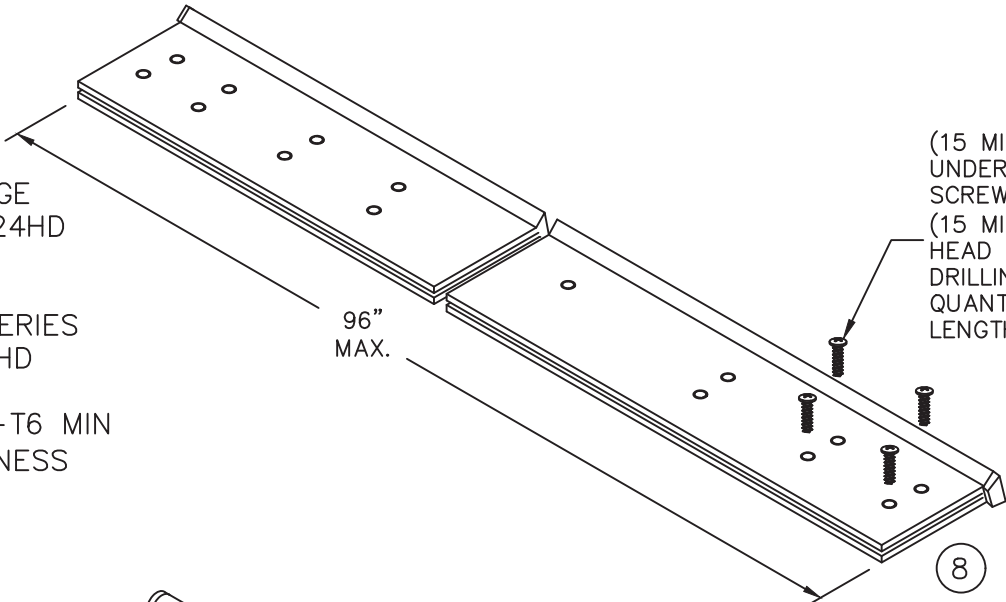


24 IVES 698/U698 DOOR VIEWER  
APPLICATION LIMITED TO +/- 75 PSF  
DESIGN PRESSURE OR LESS

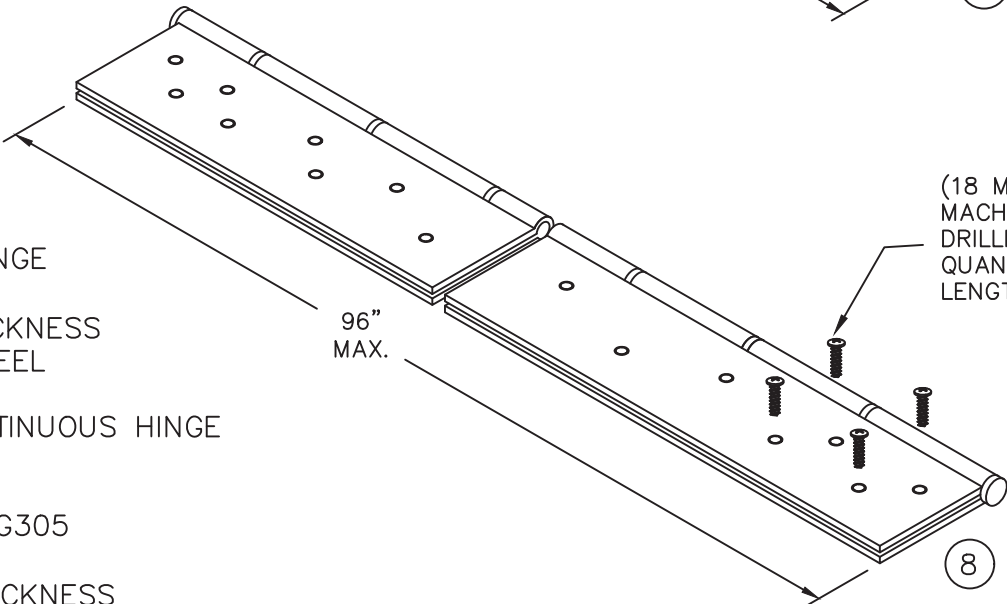
STEEL BUTT HINGE  
IVES 5BB1/3CB1  
STANLEY FBB179/1900  
HAGER BB1279  
4.5" X 4.5" STD. WT. MIN.  
.134" MIN. THICKNESS  
Fy MIN. = 36ksi



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

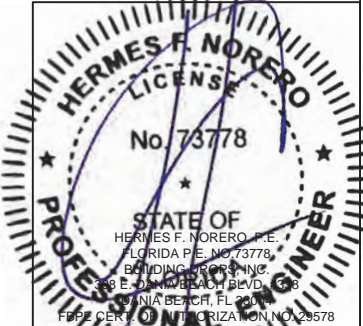


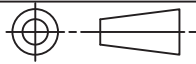
CONTINUOUS HINGE NOTES:  
1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER  
2. SCREW SPACING VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER  
3. INSTALL HINGES PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS

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