



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 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., 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 plate **338** 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 #20-0310.08** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5 and E-6, as well as approval document mentioned above.

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



Ishaq I. Chanda

NOA No. 20-1005.18
Expiration Date: May 05, 2023
Approval Date: February 18, 2021
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.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.18
Expiration Date: May 05, 2023
Approval Date: February 18, 2021

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- 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.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.18
Expiration Date: May 05, 2023
Approval Date: February 18, 2021

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.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.18
Expiration Date: May 05, 2023
Approval Date: February 18, 2021

Schlage Lock Company

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).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.18
Expiration Date: May 05, 2023
Approval Date: February 18, 2021

Schlage Lock Company

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 N, 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 03/04/2020, 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 (submitted under file # 19-1016.03)

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. Application request of address change only by Schlage Lock company, signed by Donald James.

G. OTHER

1. This NOA revises NOA # 19-1016.03, expiring 05/05/23.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.18
Expiration Date: May 05, 2023
Approval Date: February 18, 2021

Schlage Lock Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. 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.

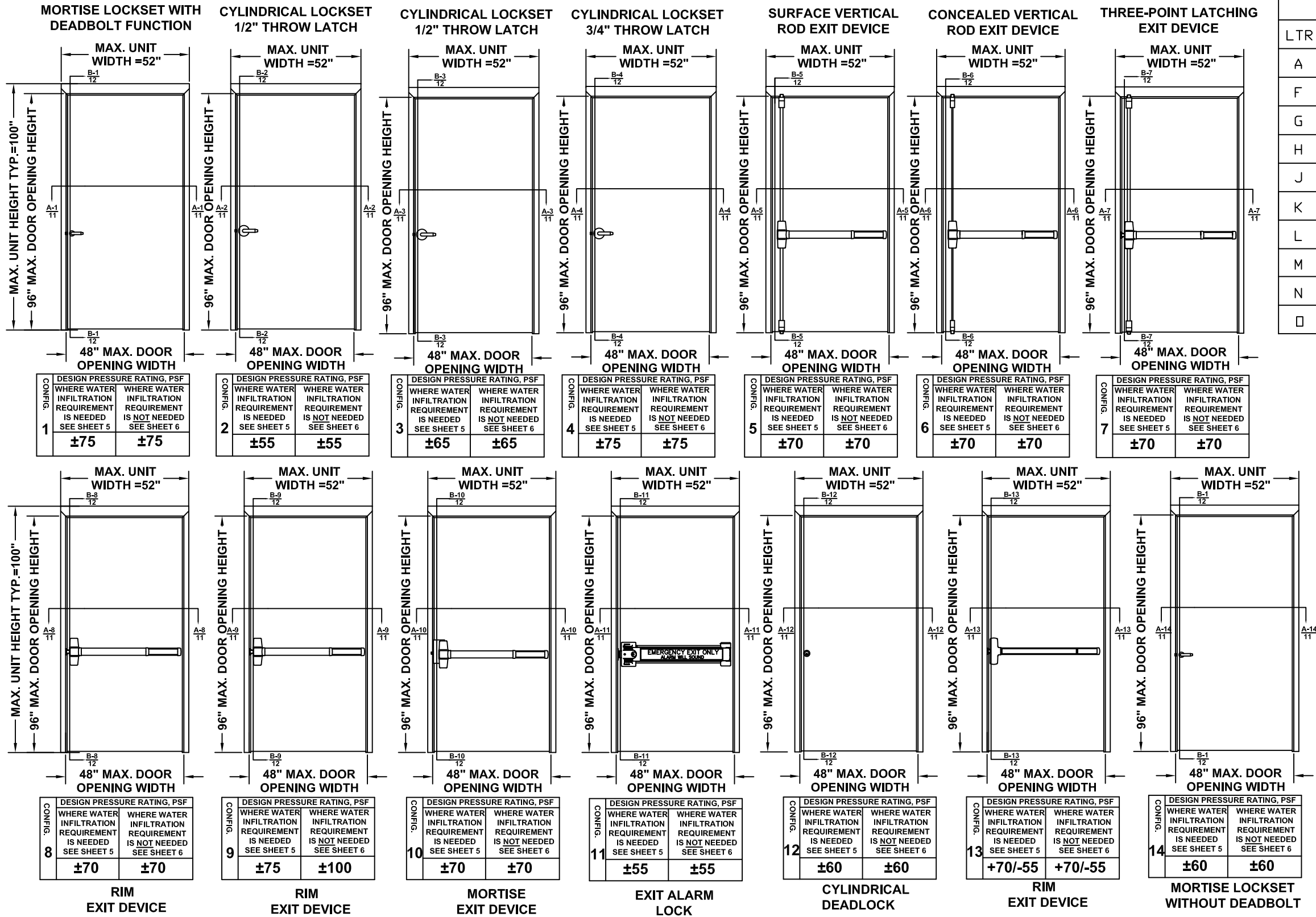
F. STATEMENTS

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.

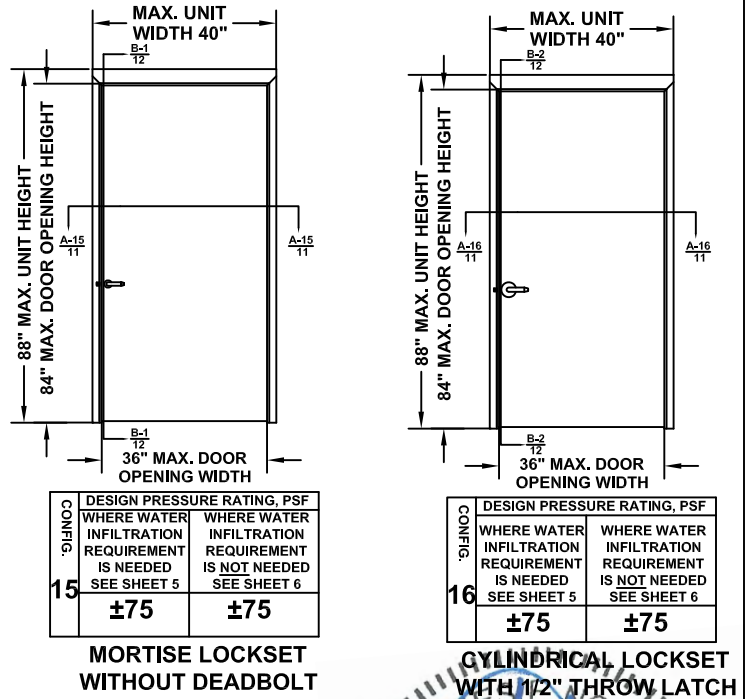
G. OTHER

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

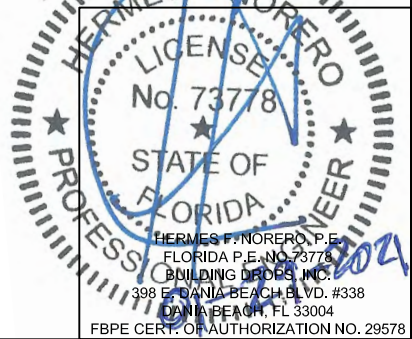
Ismael I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.18
Expiration Date: May 05, 2023
Approval Date: February 18, 2021



R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07	
F	REVISED DWG	YMF	06/02/08	
G	REVISED DWG	YMF	01/20/10	
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	
O	2020 FBC UPDATE	NUS	07/07/20	



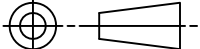
NOTE:
SEE SHEETS 5 & 6 FOR
THRESHOLD TYPES,
WEATHERSTRIP
COMPONENTS, DOOR SIZE,
AND DP LIMITATIONS.



COMPLIANCE STATEMENT:
1. THESE PRODUCTS HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS 201, 202 & 203-94 AND COMPLY WITH THE 2020 (7TH EDITION) FLORIDA BUILDING CODE.

NOTES:
1. INTERIOR VIEWS ARE SHOWN FOR ALL ELEVATIONS
2. SEE TABLE 1 ON SHEET 2 FOR HARDWARE APPLICATIONS AND LIMITATIONS
3. SEE SHEETS 3 & 14 FOR HINGE REQUIREMENTS AND OPTIONS
4. SEE SHEET 4 FOR ANCHORING TYPES AND LIMITATIONS. SEE SHEETS 3, 5 AND 6 FOR SILL INSTALLATION DETAILS & CAULKING.
5. SEE SHEET 5 TABLES 3.1 AND 3.2 FOR WATER RATED THRESHOLD AND WEATHERSTRIPPING INSTALLATION AND LIMITATIONS
6. SEE SHEET 6 TABLES 4.1 AND 4.2 FOR NON WATER RATED THRESHOLD AND WEATHERSTRIPPING INSTALLATION AND LIMITATIONS
7. ALL CONFIGURATIONS MEET LARGE AND SMALL MISSILE IMPACT REQUIREMENTS - LARGE MISSILE IMPACT AT (50 F/S)

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.18
Expiration Date 05/05/2023
By Ishag I. Chank
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 <div></div>
ENG. APPVL JPD	10/11/07	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	Conceaed 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	Conceaed Vertical Rod Exit Device	F-25-C	4188 Top, 2130 Bottom	Falcon	
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	

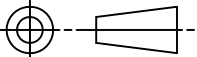
TABLE 1.

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

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	

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.18
Expiration Date 05/05/2023
By Ishaq I. Chank
Miami-Dade Product Control

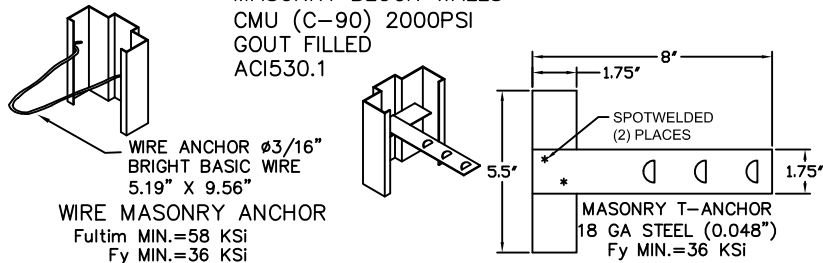
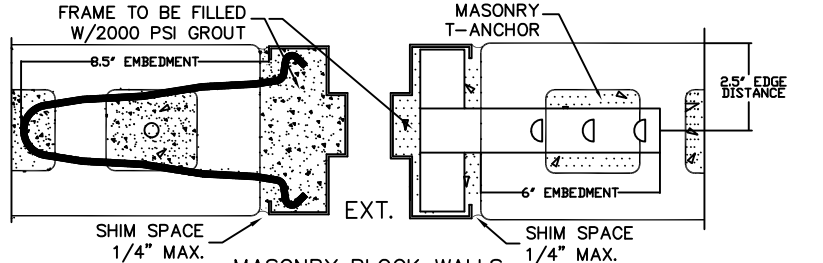
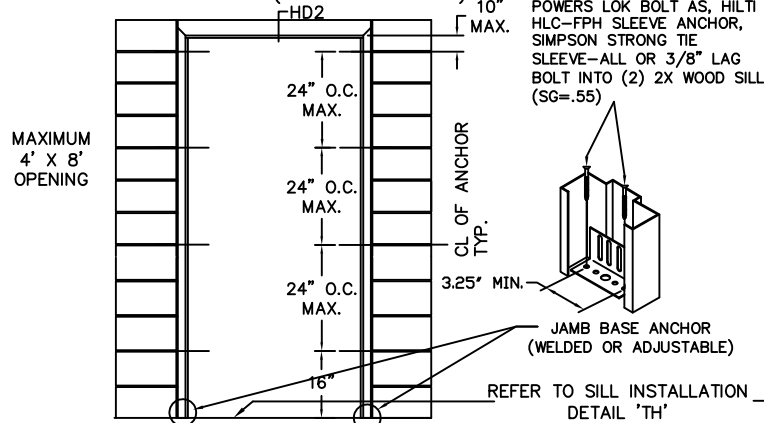


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
		THIRD ANGLE PROJECTION				TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES	
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	
ENG. APPVL JPD	10/11/07	SCALE: NTS		AUTOCAD		SHEET	2 of 14

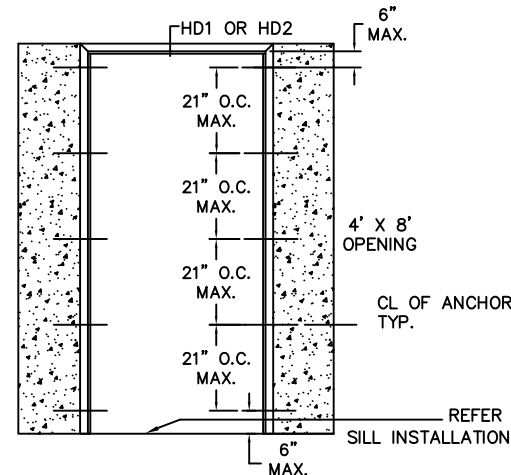
A

**WIRE OR T MASONRY ANCHOR
INTO GROUT FILLED FRAME
& BLOCK WALL (UP TO 100 PSF)**

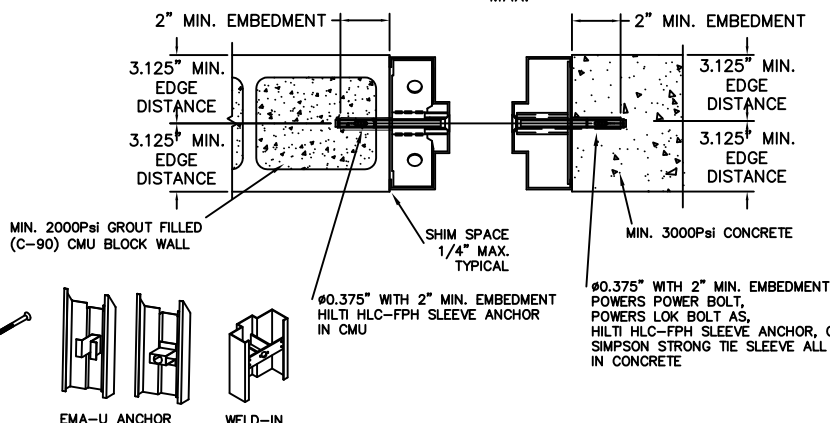
JAMB BASE ANCHOR #0.375"
WITH 2" MIN. EMBEDMENT
POWERS POWER BOLT,
HILTI HLC-FPH SLEEVE ANCHOR,
SIMPSON STRONG TIE
SLEEVE-ALL OR 3/8" LAG
BOLT INTO (2) 2X WOOD SILL
(SG=.55)



**D EXISTING MASONRY ANCHOR (EMA)
INTO CONCRETE OR CMU
(UP TO 100 PSF)**

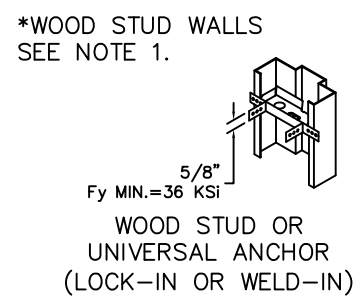
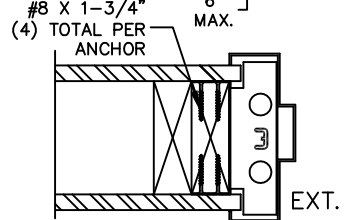
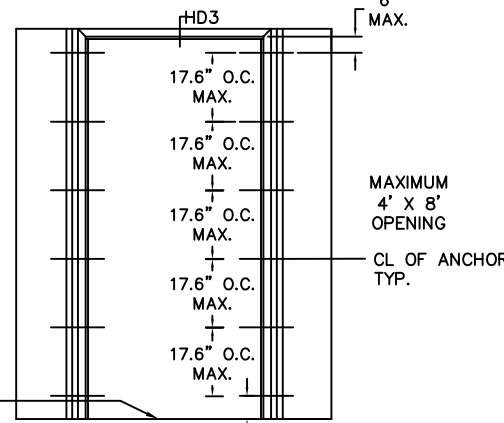


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.18
Expiration Date 05/05/2023
By *Ishay I. Chande*
Miami-Dade Product Control



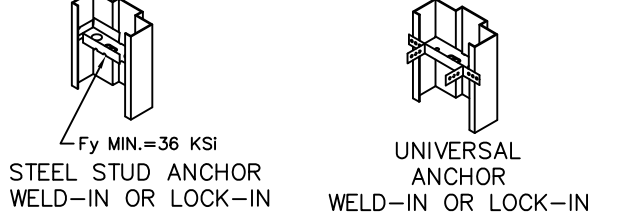
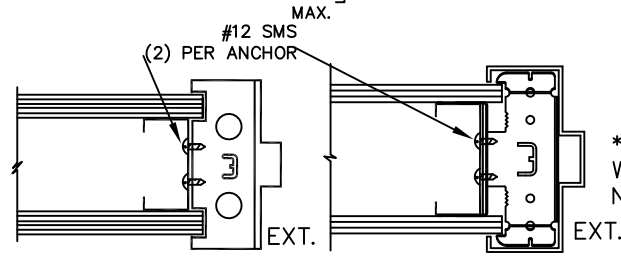
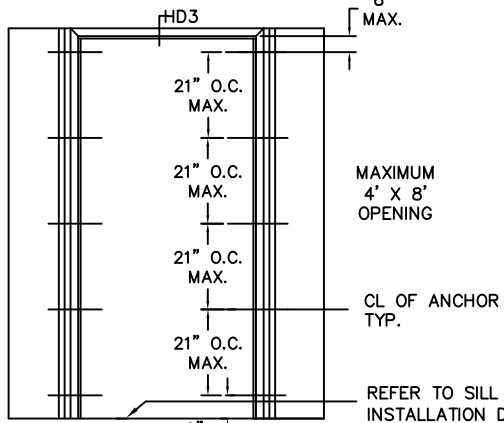
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**WOOD STUD ANCHOR
(UP TO 100 PSF)**



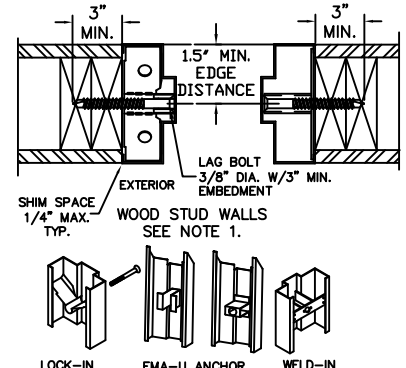
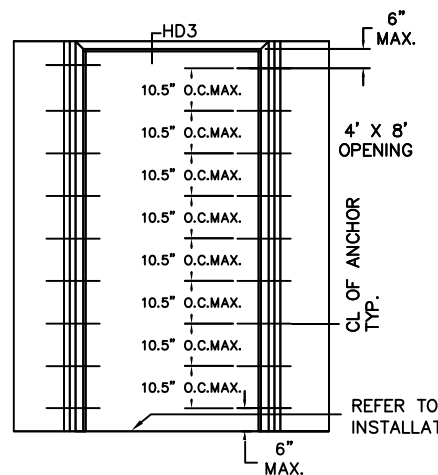
C

**STEEL STUD ANCHOR
(UP TO 100 PSF)**

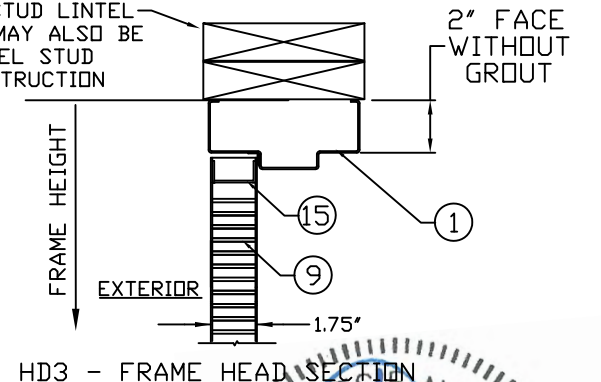
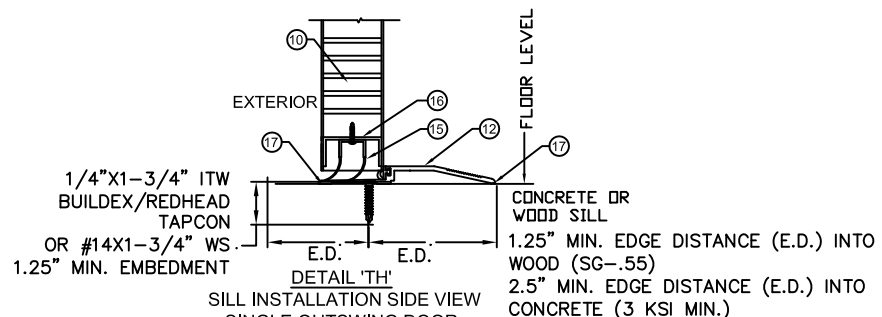
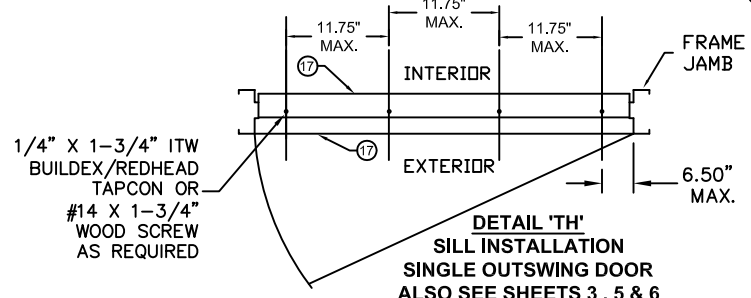
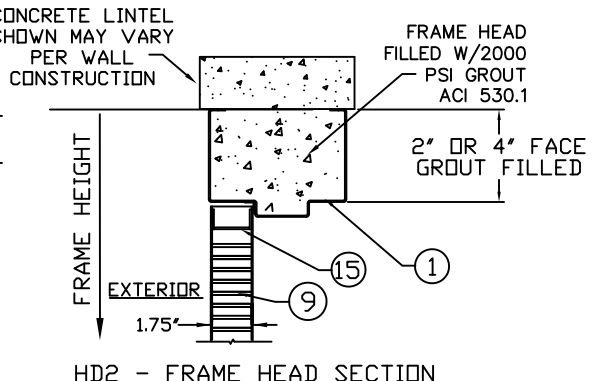
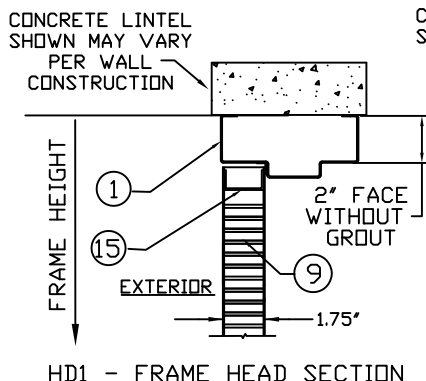


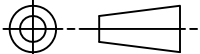
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**EXISTING MASONRY ANCHOR (EMA)
WITH LAG BOLT INTO WOOD STUD WALL
(UP TO 100 PSF)**

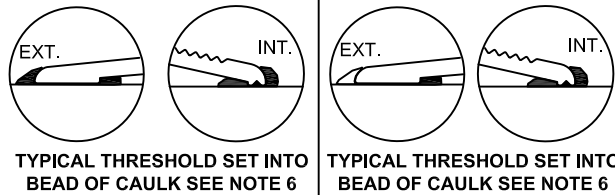
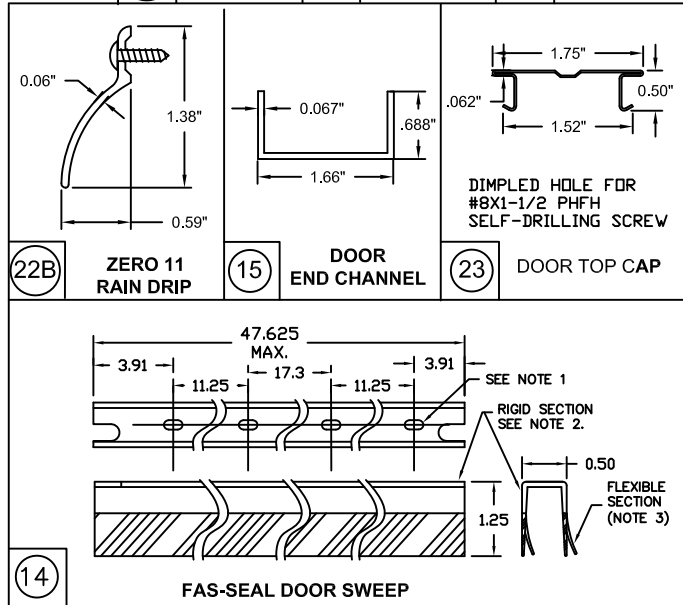
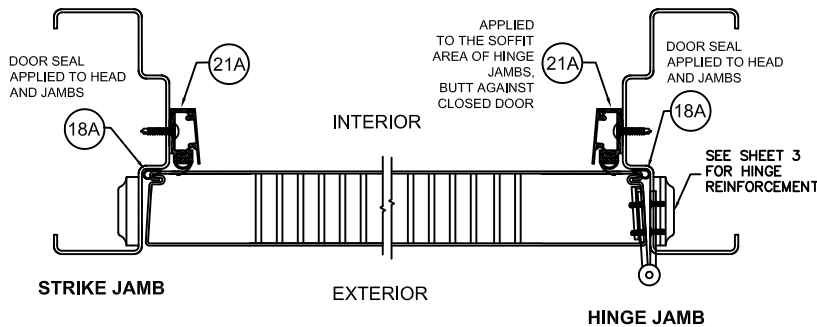


NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF
WOOD AND STEEL-STUD WALLS MUST BE DESIGNED
TO CARRY AT LEAST 312 #/FT. LOAD FOR
ASSEMBLIES RATED @75 PSF,AND 416#/FT. FOR
ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE
VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING
HEIGHTS 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

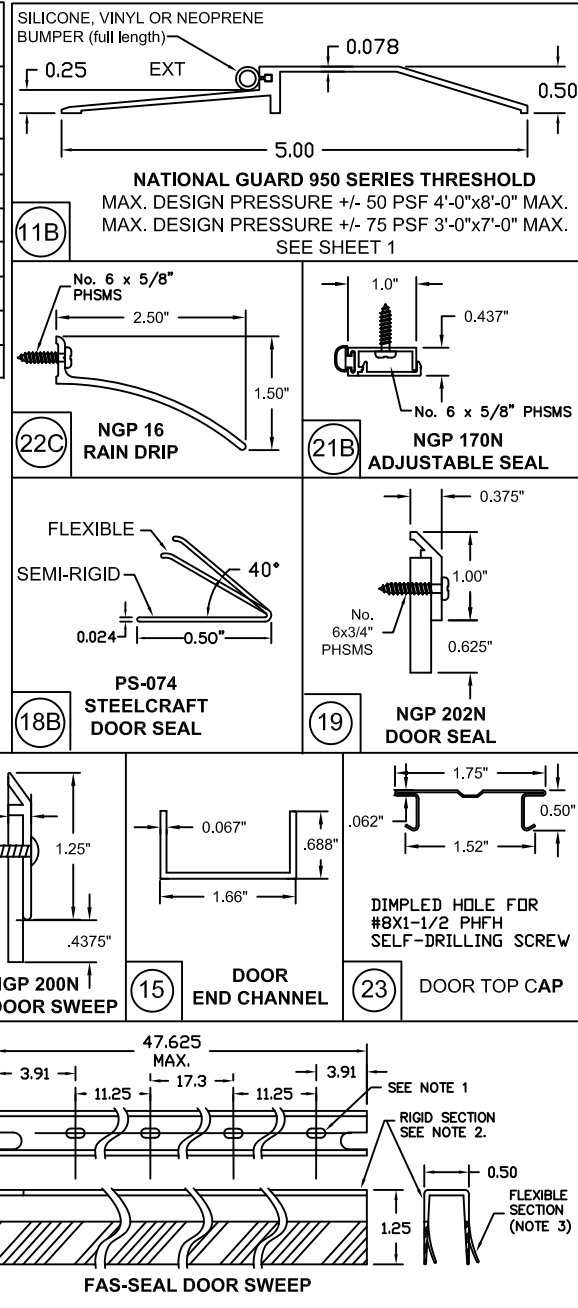
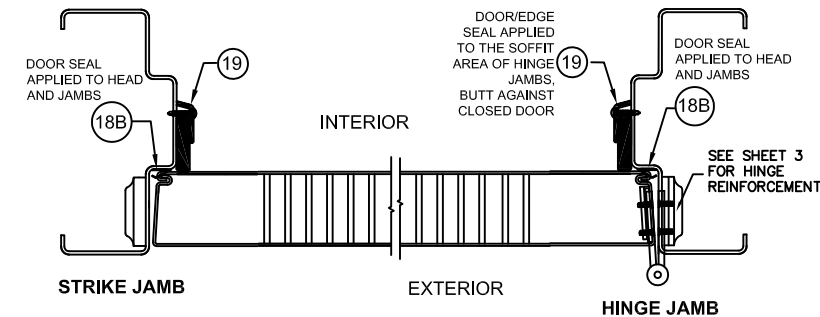


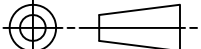
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
						
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES				
DRAWN	DATE	FRAME ANCHOR DETAILS & INSTALLATION CONDITIONS.				
YMF	05/20/07					
CHECKED						
APPROVED		SIZE	FLAT	DWG NO.	REV	
				IRFS07	<div></div>	
ENG. APPVL	10/11/07	SCALE:	NTS	AUTOCAD	SHEET	4 of 14
JPD						

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



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



- | | | | | | | |
|---|------------------|---|------|---|--------|--------------------|
| 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 | SINGLE FLUSH DOOR PERIMETER SEAL HARDWARE
APPROVED WHERE WATER INFILTRATION IS REQUIRED | | | | |
| CHECKED | | | | | | |
| APPROVED | | SIZE | FLAT | DWG NO. | IRFS07 | REV
<div></div> |
| ENG. APPVL
JPD | 10/11/07 | SCALE: | NTS | AUTOCAD | SHEET | 5 of 14 |

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	

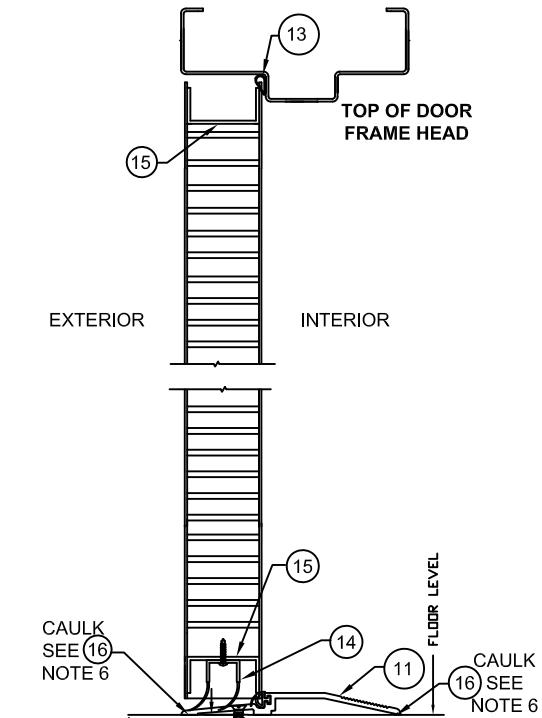
By Ishaq I. Chande
Miami-Dade Product Control



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)

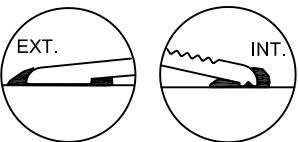
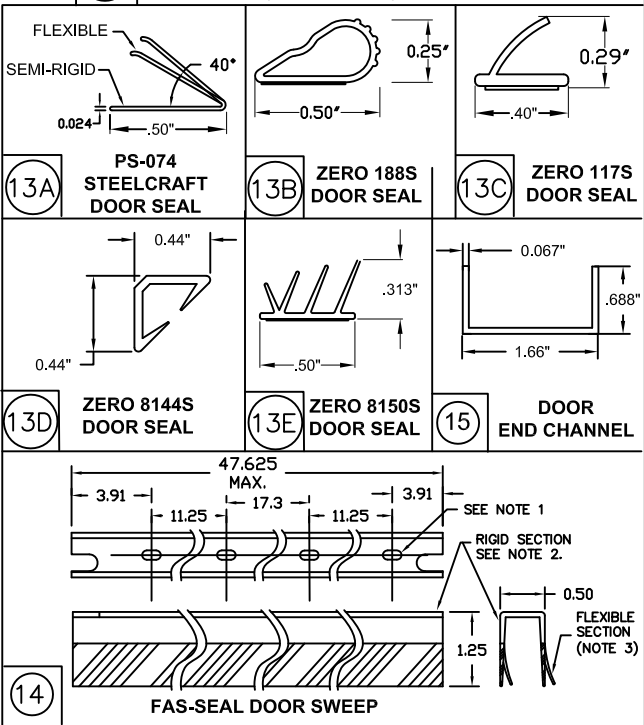
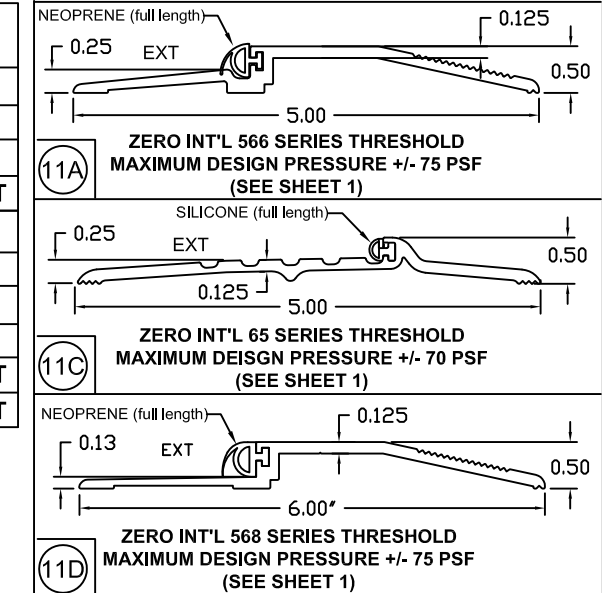
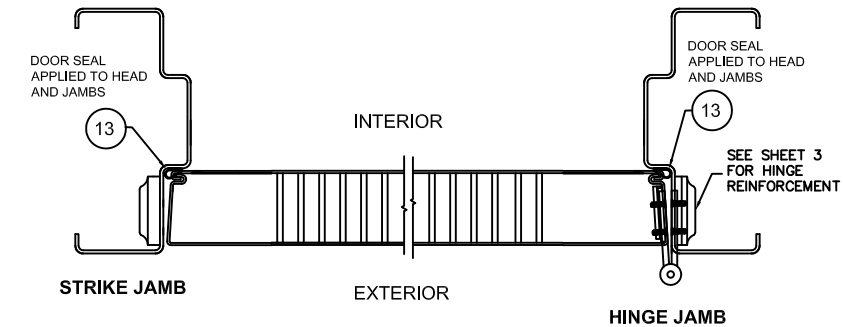


CAULK SEE NOTE 6

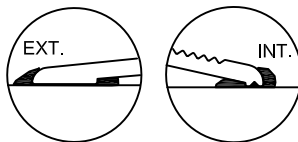
1/4"x1-3/4" ITW BUILDDEX/REDHEAD TAPCON OR #10 WOOD SCREW 1.25" MIN. EMBEDMENT

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



TYPICAL THRESHOLD SET INTO BEAD OF CAULK SEE NOTE 6



TYPICAL THRESHOLD SET INTO BEAD OF CAULK SEE NOTE 6

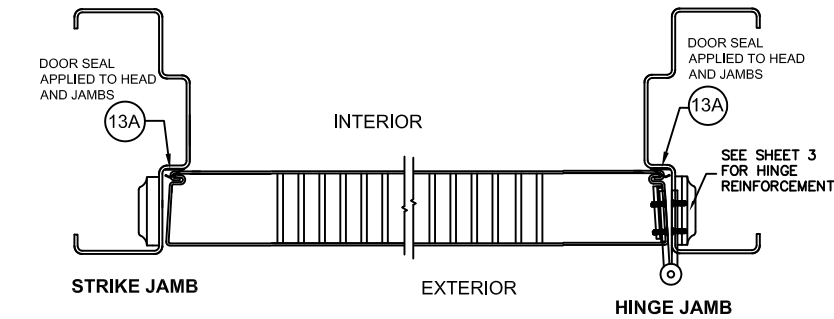
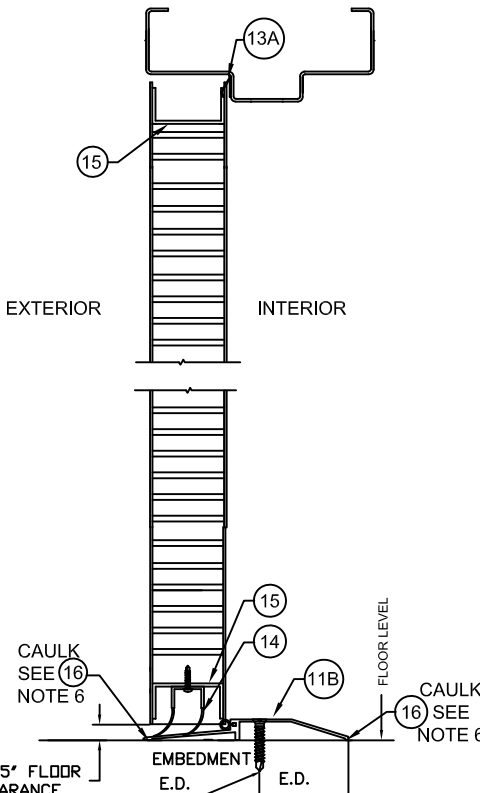


TABLE 4.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

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)

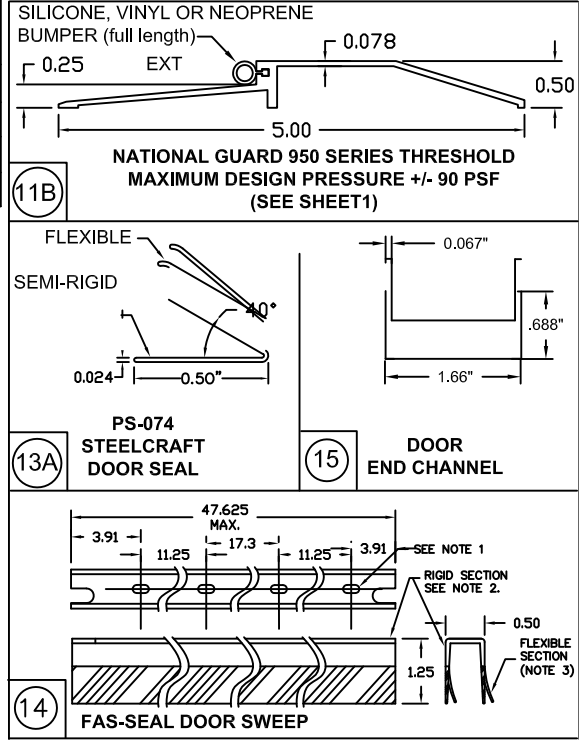


0.375" FLOOR CLEARANCE

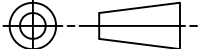
1/4"x1-3/4" ITW BUILDDEX/REDHEAD TAPCON OR #10 WOOD SCREW 1.25" MIN. EMBEDMENT

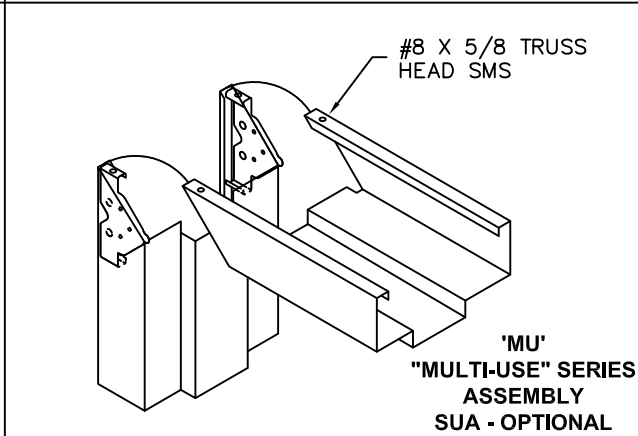
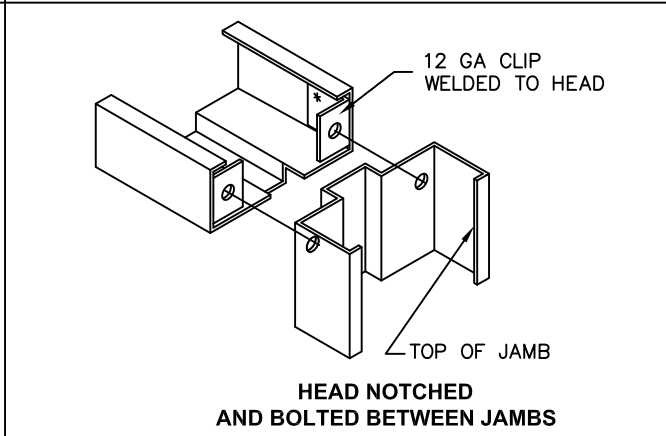
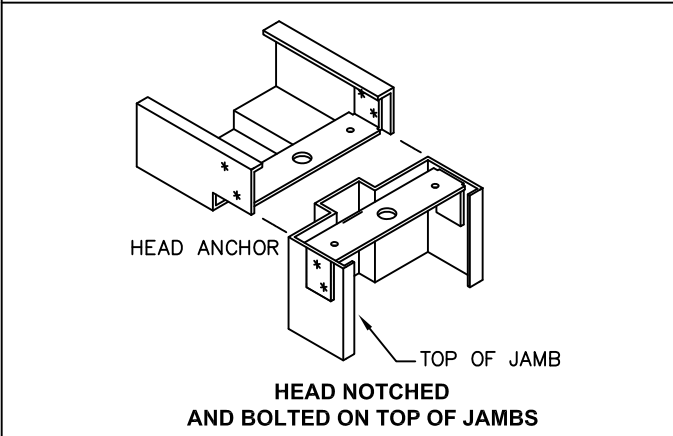
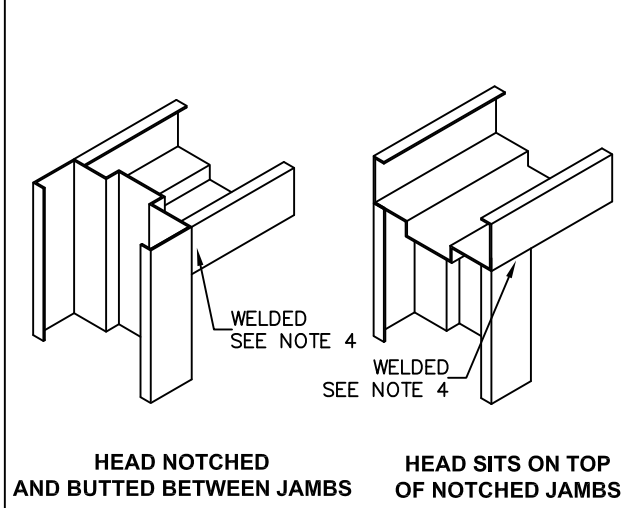
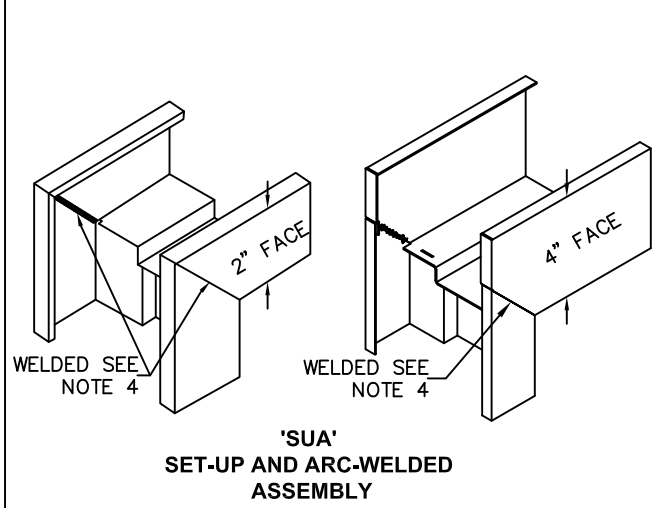
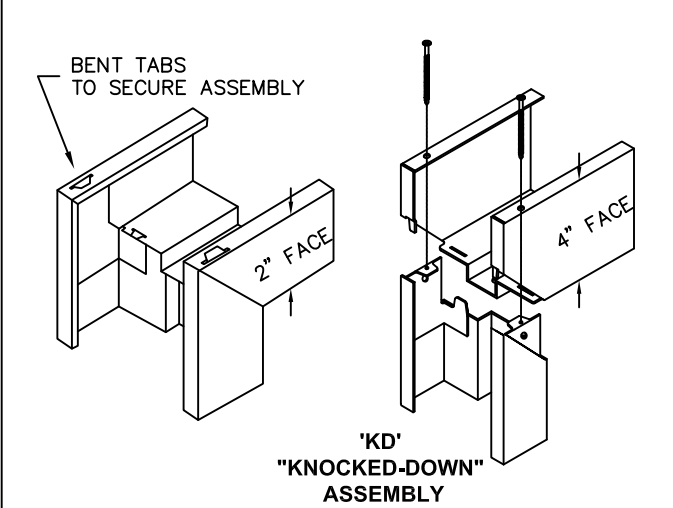
1.25" MIN. EDGE DISTANCE INTO WOOD SILL (SG-.55) 2.5" MIN. EDGE DISTANCE INTO CONCRETE SILL (3 KSI MIN.)

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		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	SINGLE FLUSH DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS <u>NOT</u> REQUIRED					
CHECKED							
APPROVED		SIZE	FLAT	DWG NO.	IRFS07		REV <div></div>
ENG. APPVL JPD	10/11/07	SCALE:	NTS	AUTOCAD	SHEET		6 of 14



R E V I S I O N S					
LTR	DESCRIPTION			DATE	APPROVED
D	REVISED	DWG	YMF	01/08/08	
G	REVISED	DWG	YMF	03/03/09	
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	
O	2020 FBC	UPDATE	NUS	07/07/20	

TABLE 5. AVAILABLE STEELCRAFT DOOR CONFIGURATIONS

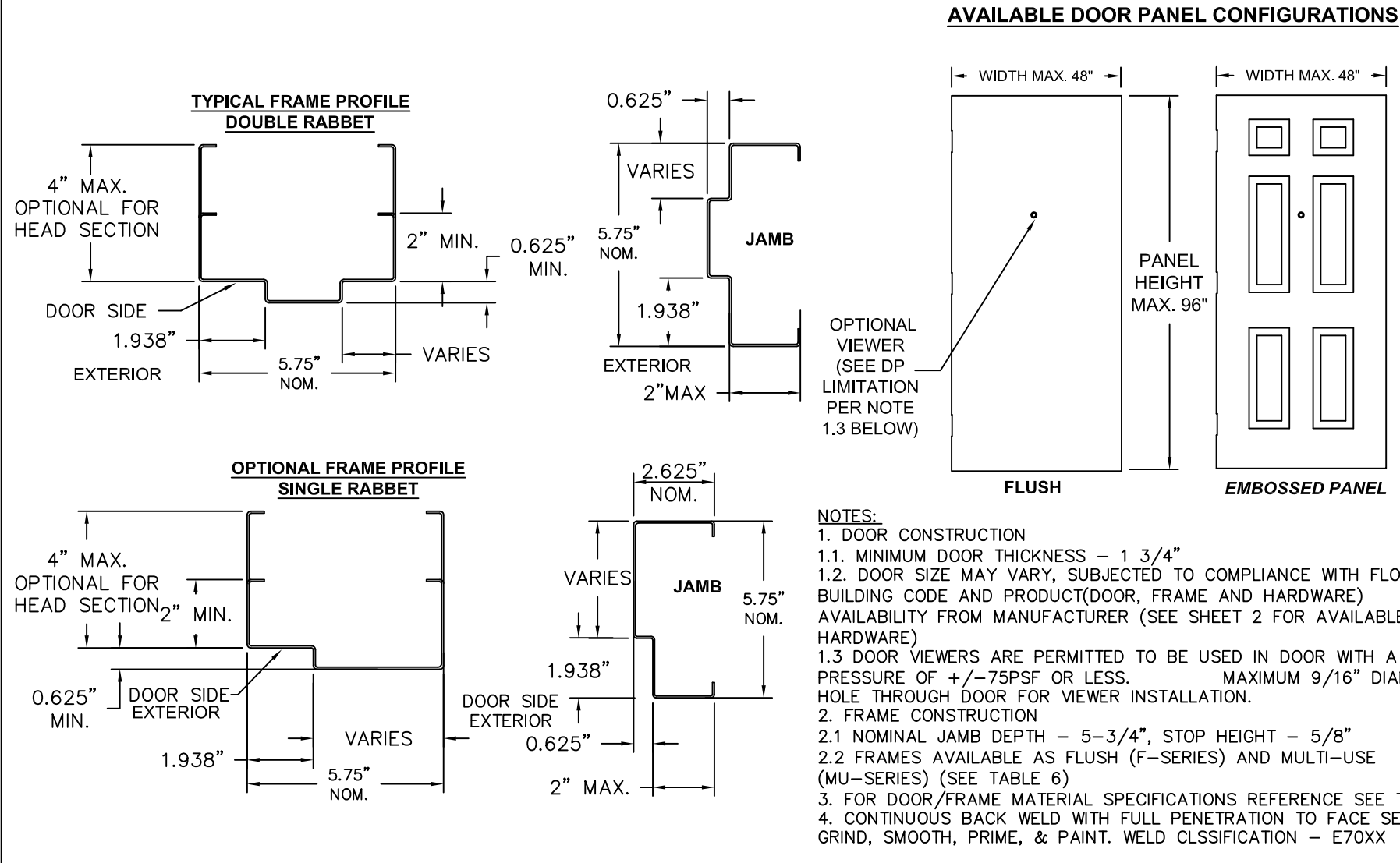
CORE MATERIAL PER SHT.4	MAXIMUM OPENING SIZE		SKIN MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK
HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	VARIES SEE SHEET 2 TABLE 1		CRS GALV	16/.053" 14/.067"
HONEYCOMB POLYSTYRENE POLYURETHANE	VARIES SEE SHEET 2 TABLE 1		STAINLESS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

TABLE 6. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

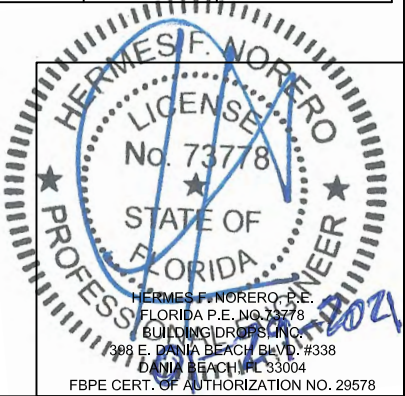
FRAME SERIES	JAMB DEPTH	MAX. OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" MIN.	VARIES SEE SHEET 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067" 12/.099"
				STAINLESS STEEL	16/.053"
MU	5.75" MIN.	VARIES SEE SHEET 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067"

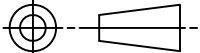
TABLE 7. STEEL DOOR/FRAME
MECHANICAL PROPERTIES

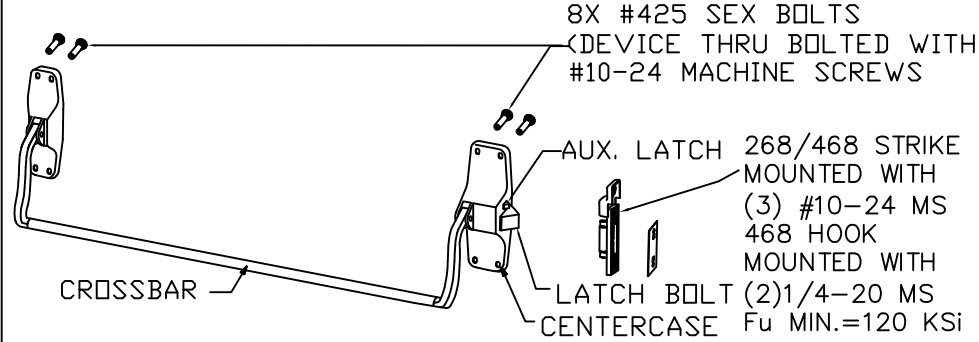
MATERIAL	ASTM REF.	YIELD KSi	TENSILE KSi
CRS	A366	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV: A60	A924	MIN. 31.2	MIN. 73.2
SS: 304,316	A240		



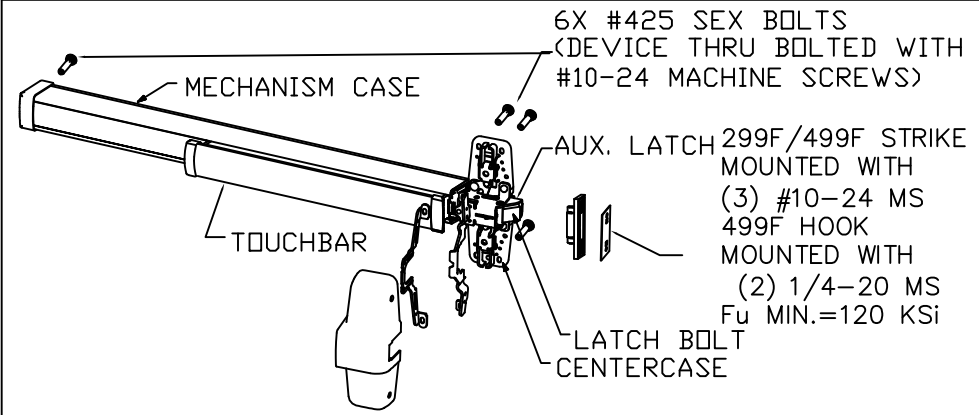
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.18
Expiration Date 05/05/2023
By Ishag I. Chank
Miami-Dade Product Control



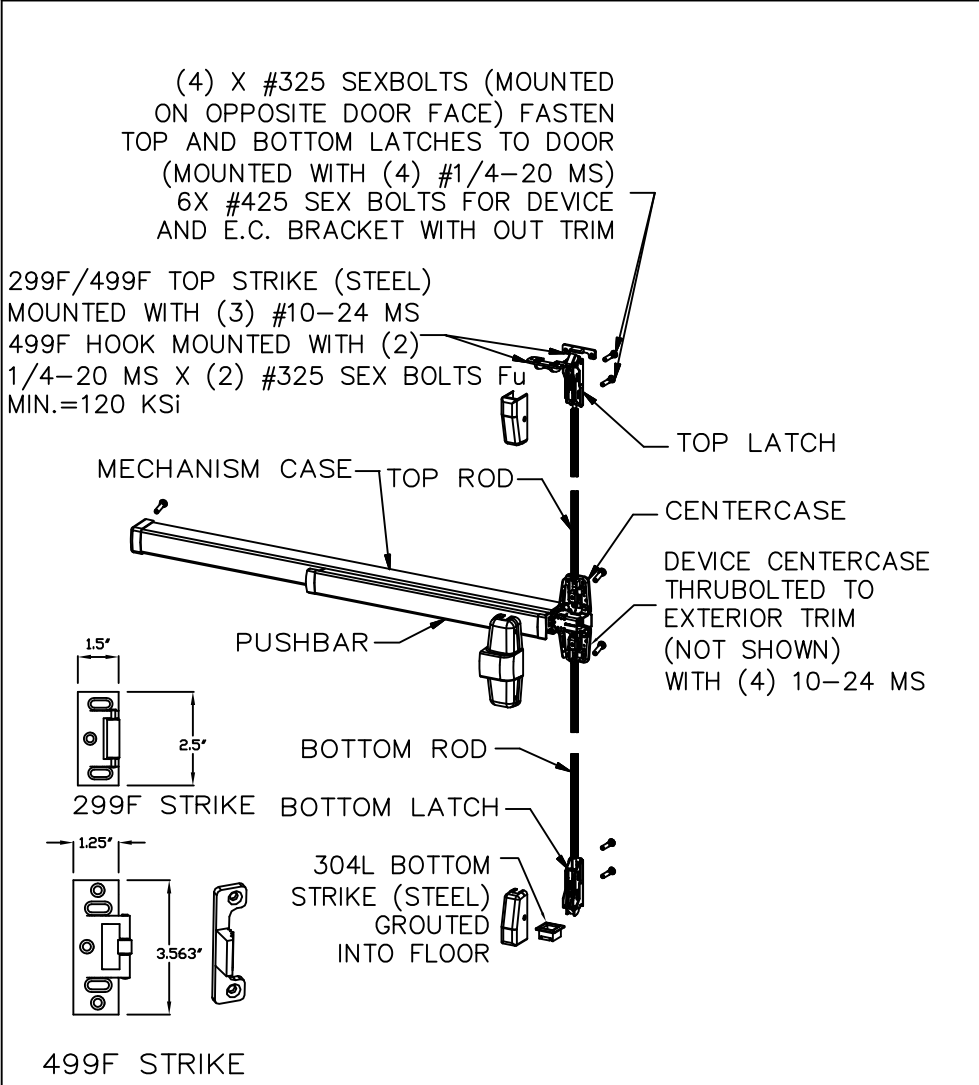
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
						
THIRD ANGLE PROJECTION		TITLE STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES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



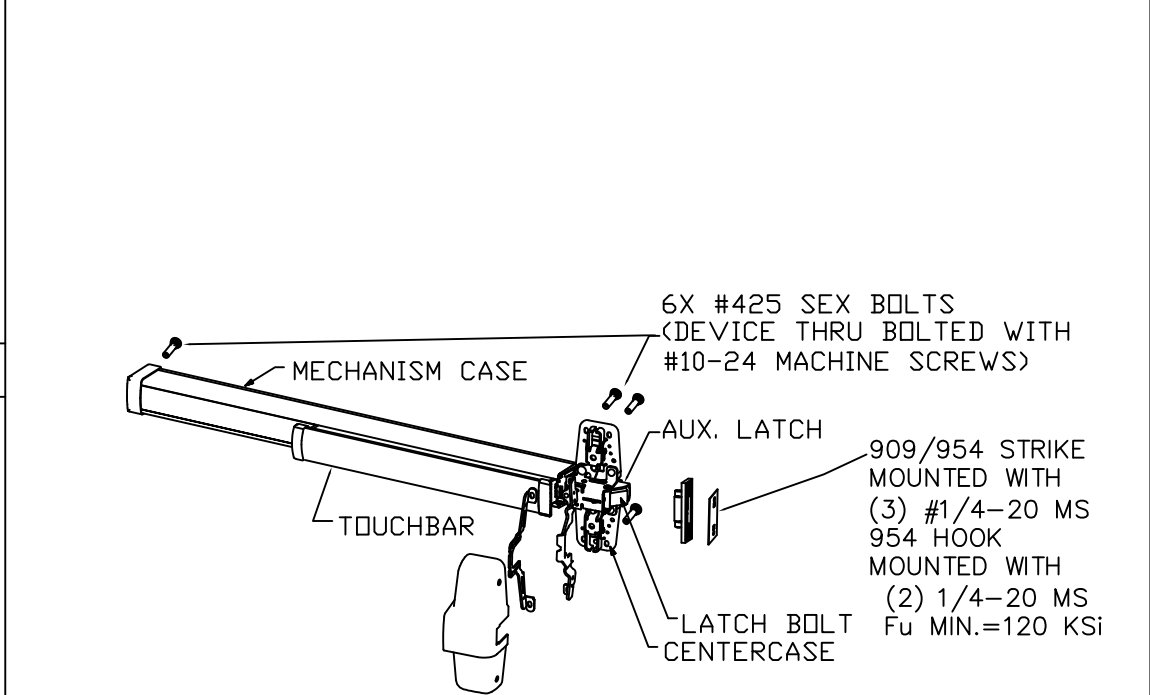
RIM EXIT DEVICE VON DUPRIN 88-F
USED IN DOOR CONFIGURATION 8 (SEE SHT.1)



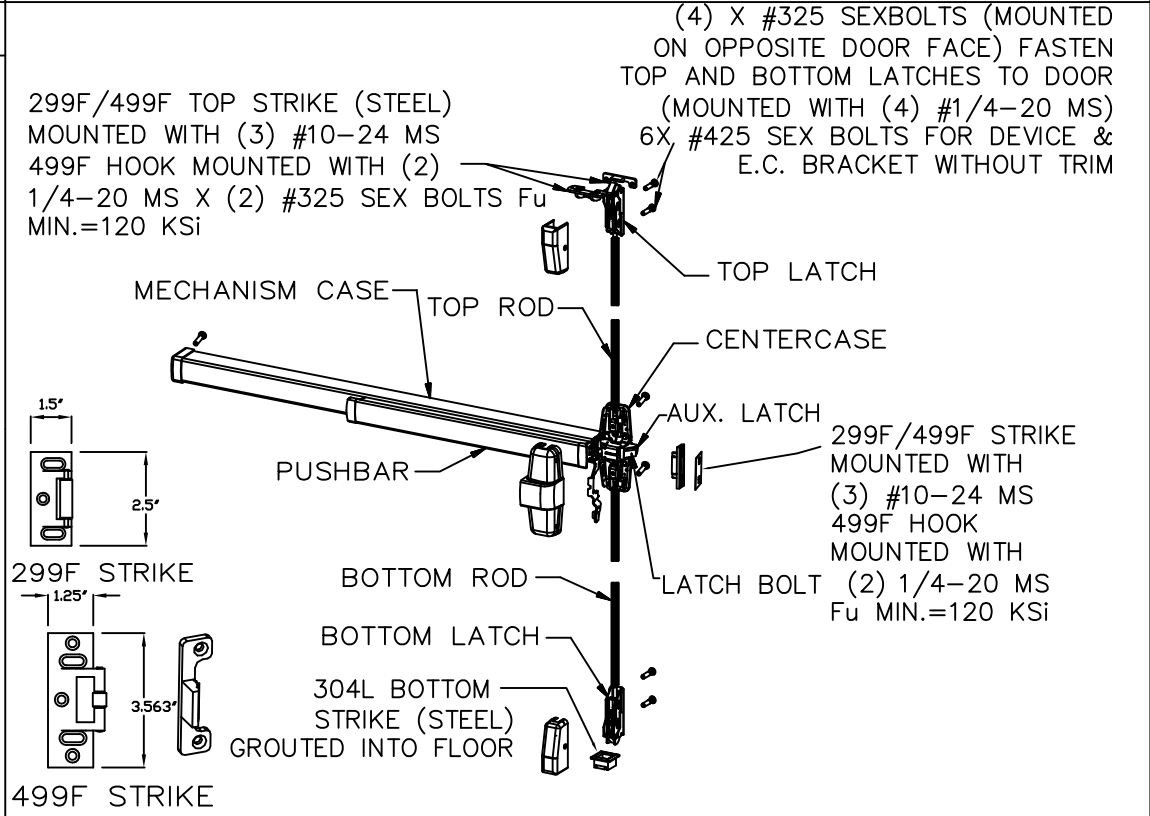
RIM EXIT DEVICE VON DUPRIN 98, 99, 98-F & 99-F
(USED IN DOOR CONFIGURATION 8 (SEE SHT.1))



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:
ELECTRIC/ELECTRONIC FUNCTION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND MUST BE REVIEWED BY AUTHORITY HAVING JURISDICTION

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

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

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1005.18
Expiration Date 05/05/2023
By Ishag I. Chande
Miami-Dade Product Control

HERMES F. NORERO, P.E.
LICENSE NO. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

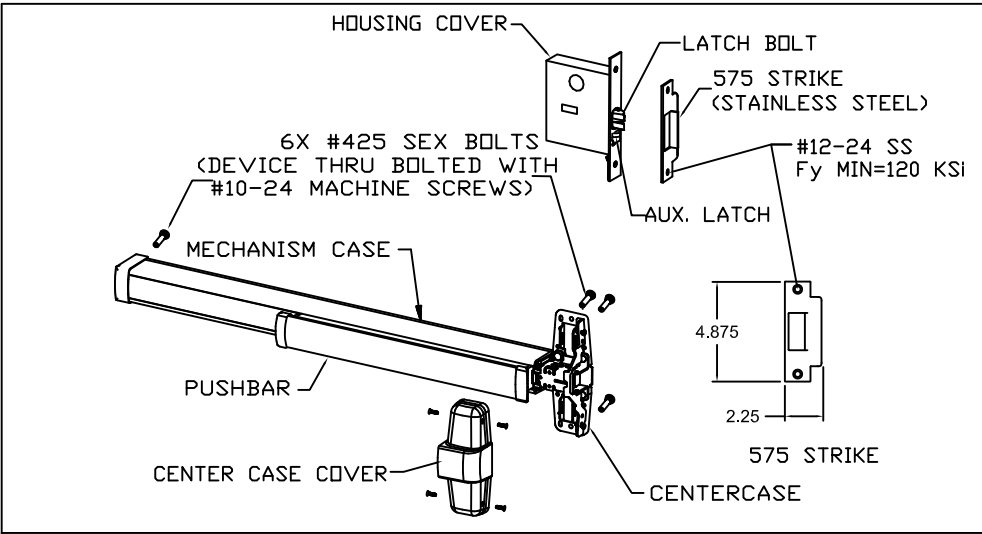
SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032

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

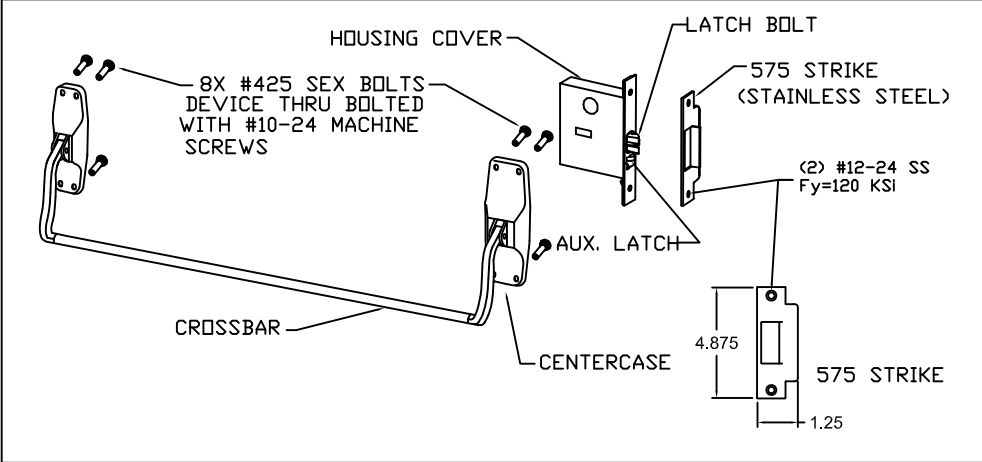
TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES

EXIT HARDWARE OPTIONS FOR FLUSH SINGLE DOORS

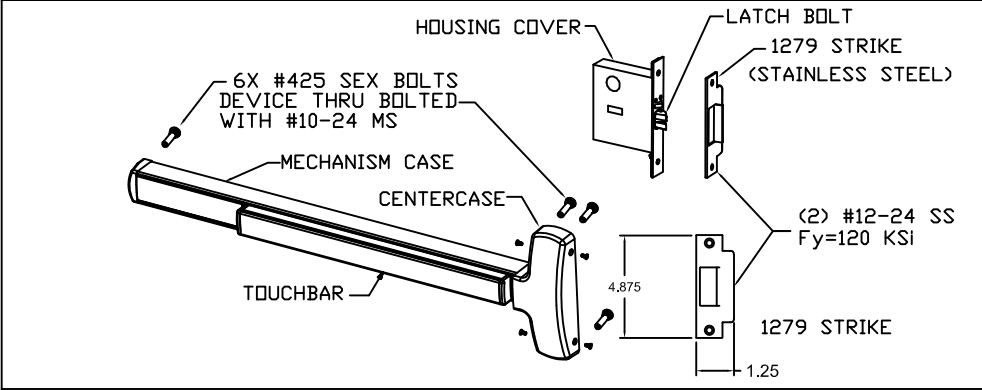
SIZE	FLAT	DWG NO.	IRFS07	REV	□
SCALE:	NTS	AUTOCAD	SHEET	8 of 14	



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

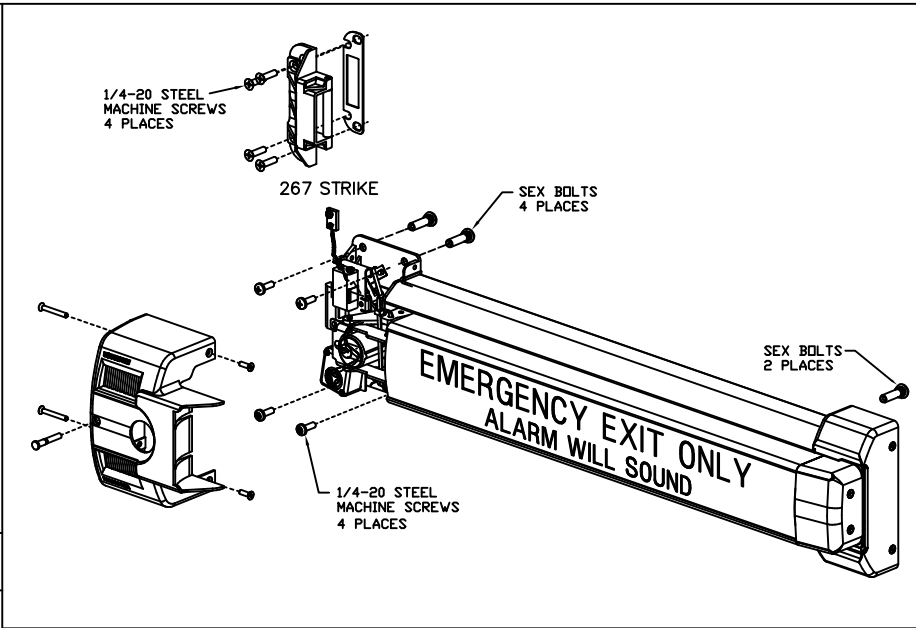


MORTISE EXIT DEVICE VON DUPRIN 8875 & 8875-F
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

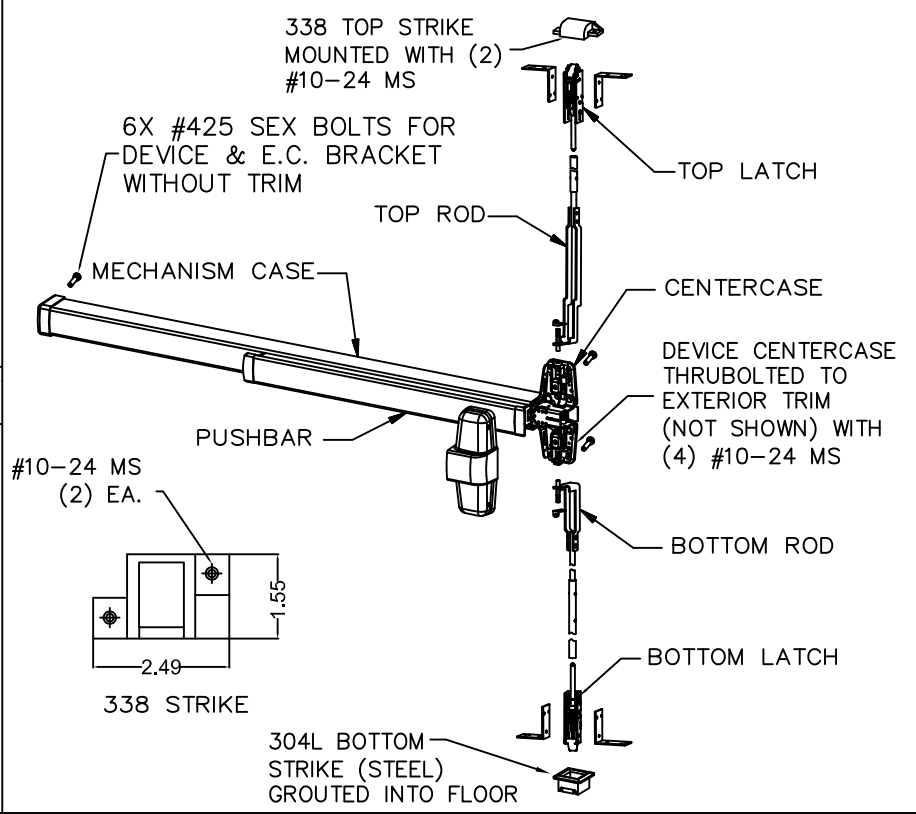


MORTISE EXIT DEVICE FALCON 25-M & F-25-M
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

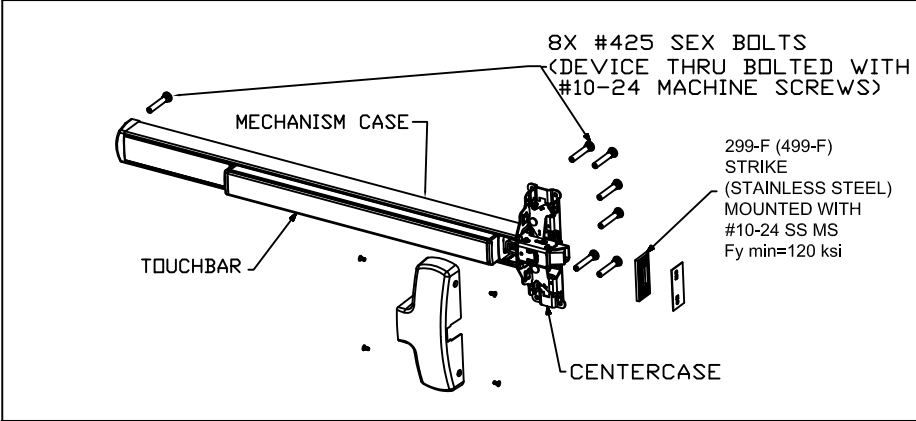
NOTES:
1. ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.
2. EXIT HARDWARE OPTIONS:
FOR 98/99 & XP98/99 SERIES - E, RX, LX, SS, EL, QEL, CX, F ALK, CD, PN TRIMS: ALL APPLICABLE TRIMS AVAILABLE.
FOR 88-F SERIES RIM - OPTION E TRIMS: 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)

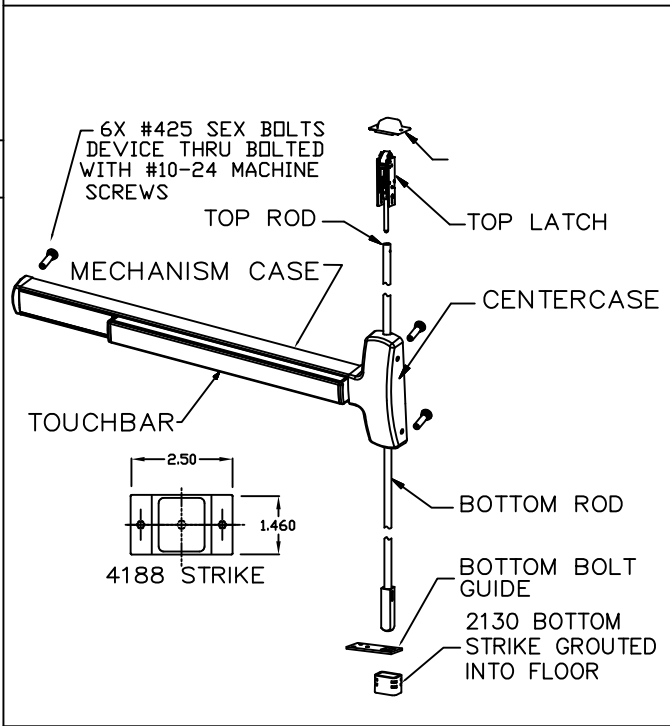


CONCEALED VERTICAL ROD EXIT DEVICE VON DUPRIN 98/9947-F & HH98/9947 WITH 2-3/4" BACKSET
USED IN DOOR CONFIGURATION 6 (SEE SHT.1)

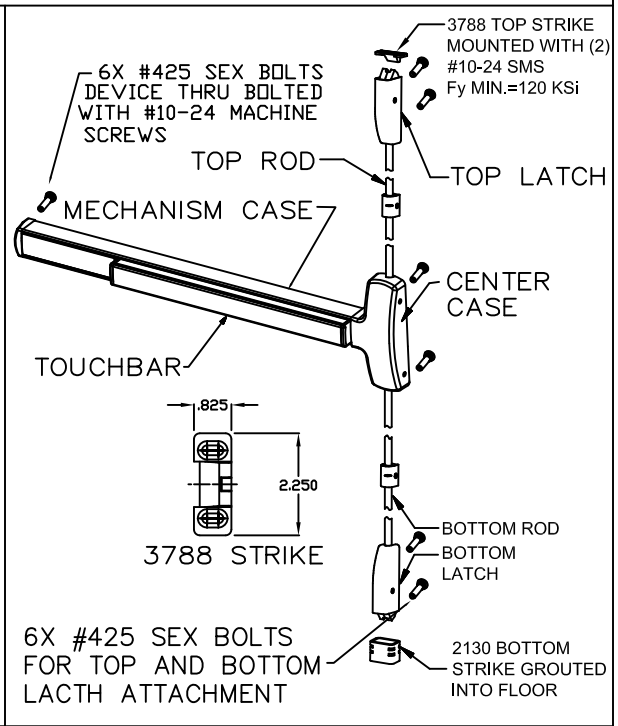


RIM EXIT DEVICE FALCON (F)25-R
USED IN DOOR CONFIGURATION 13 (SEE SHT.1)

R E V I S I O N S					
LTR	DESCRIPTION		DATE	APPROVED	
A	APPROVAL	DWG	YMF	05/20/07	
D	REVISED	DWG	YMF	12/10/07	
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	
Q	2020	FBC	UPDATE	NUS	07/07/20



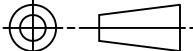
CONCEALED VERTICAL ROD EXIT DEVICE FALCON F-25-C
USED IN DOOR CONFIGURATION 6 (SEE SHT.1)

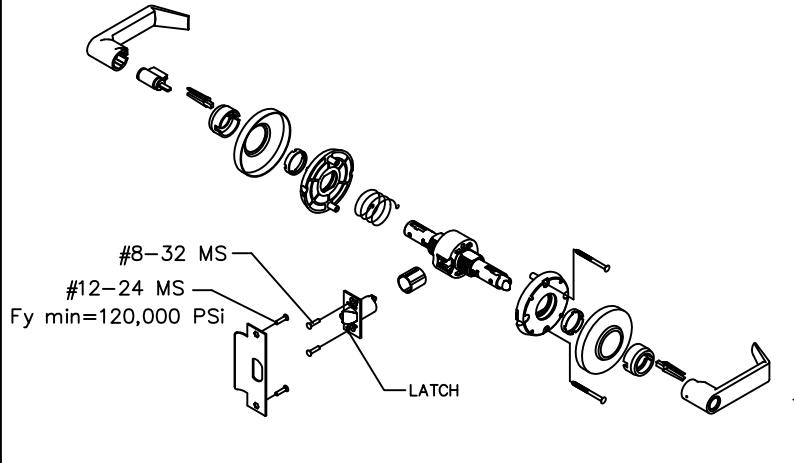


SURFACE VERTICAL ROD EXIT DEVICE FALCON (F)25-V
USED IN DOOR CONFIGURATION 5 (SEE SHT.1)

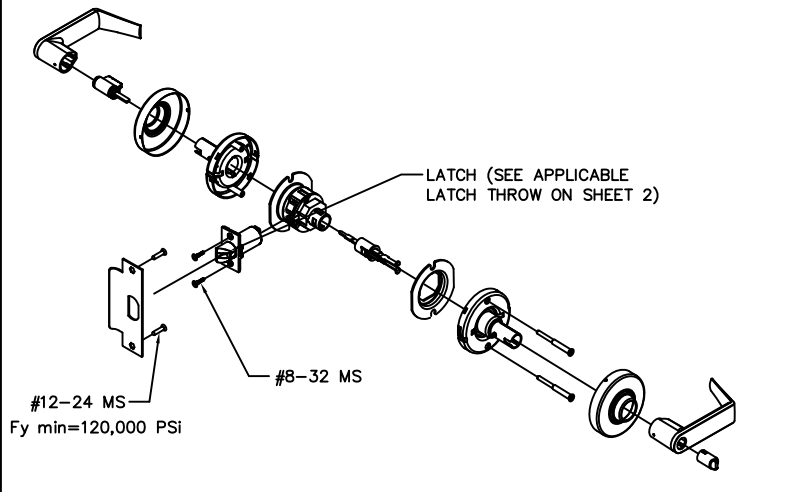
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1005.18
Expiration Date 05/05/2023
By *Ishaq I. Chande*
Miami-Dade Product Control

HERMES F. NORERO, P.E.
LICENSE No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FLORIDA P.E. NO. 73778
BUILDING DESIGN, INC.
398 E. OCEANIA BEACH BLVD. #338
OCEANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

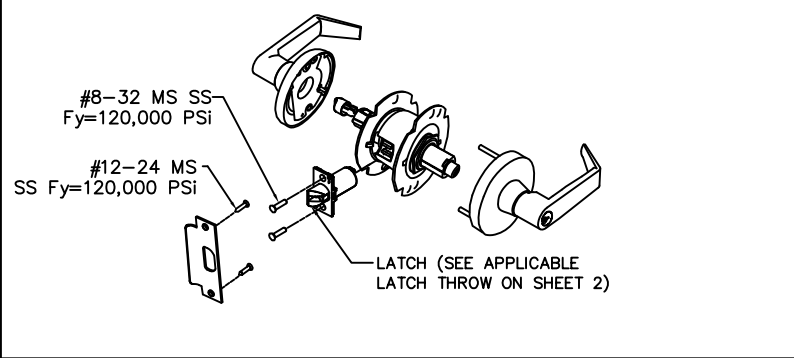
BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div>		<div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>	
<div></div>					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH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



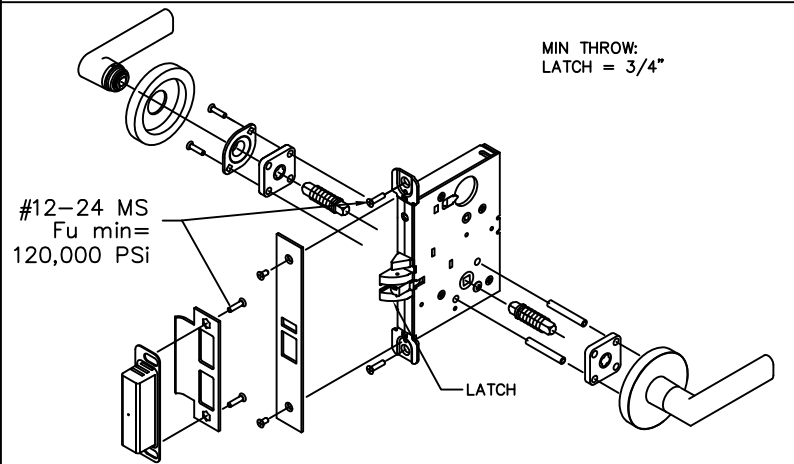
SCHLAGE AL-SERIES CYLINDRICAL LOCKSET WITH 1/2" THROW LATCH
USED IN DOOR CONFIGURATION 2 (SEE SHT.1)



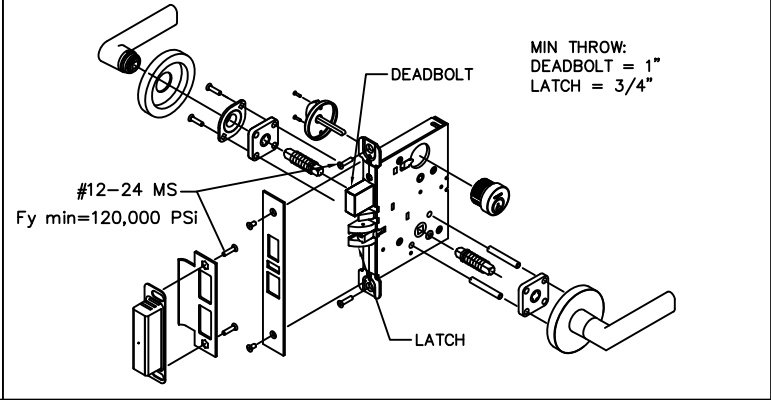
SCHLAGE D/ND-SERIES CYLINDRICAL LOCKSET
USED IN DOOR CONFIGURATIONS 3 & 4 & 16 (SEE SHTS.1&2)



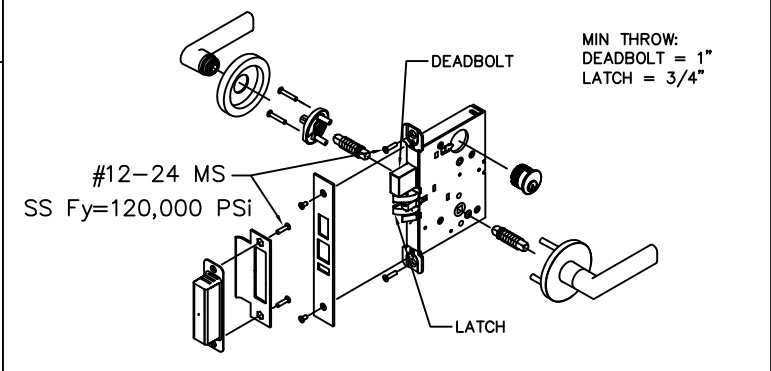
FALCON T-SERIES CYLINDRICAL LOCKSET
USED IN DOOR CONFIGURATIONS 4 & 16 (SEE SHTS.1&2)



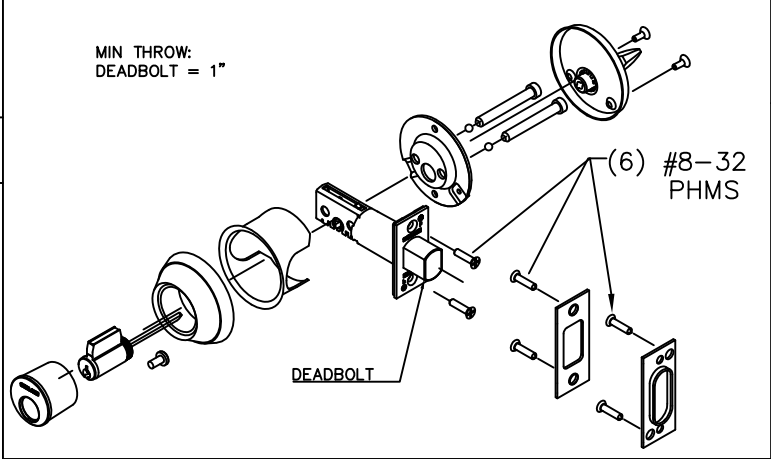
SCHLAGE L/LV 9000 SERIES MORTISE LOCKSET WITHOUT DEADBOLT
USED IN DOOR CONFIGURATIONS 14 & 15 (SEE SHTS.1&2)



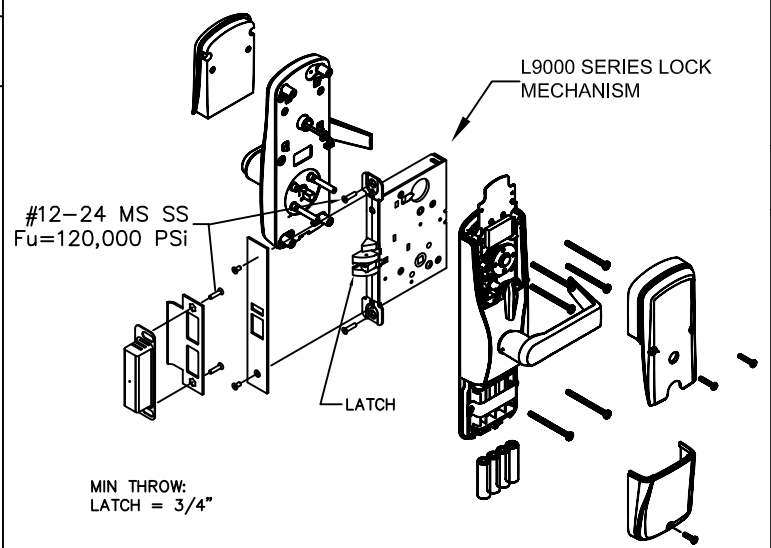
SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET WITH DEADBOLT
FUNCTION USED IN DOOR CONFIGURATION 1 (SEE SHTS.1&2)



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



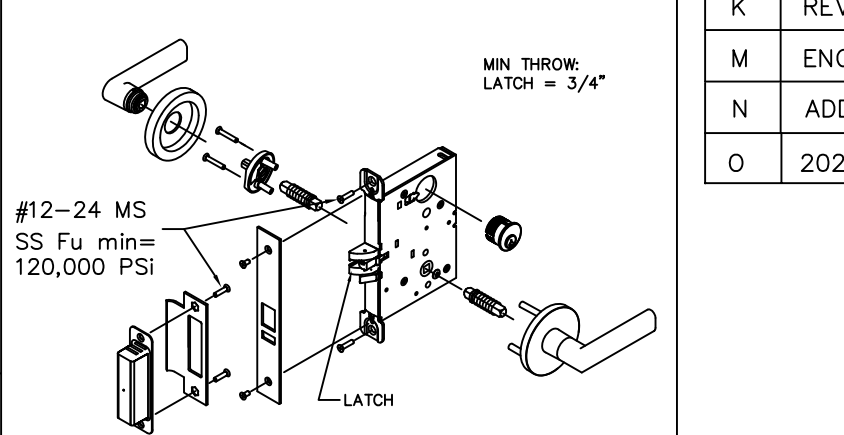
SCHLAGE B600/700/800 CYLINDRICAL DEADLOCK
USED IN DOOR CONFIGURATION 12 (SEE SHTS.1&2)



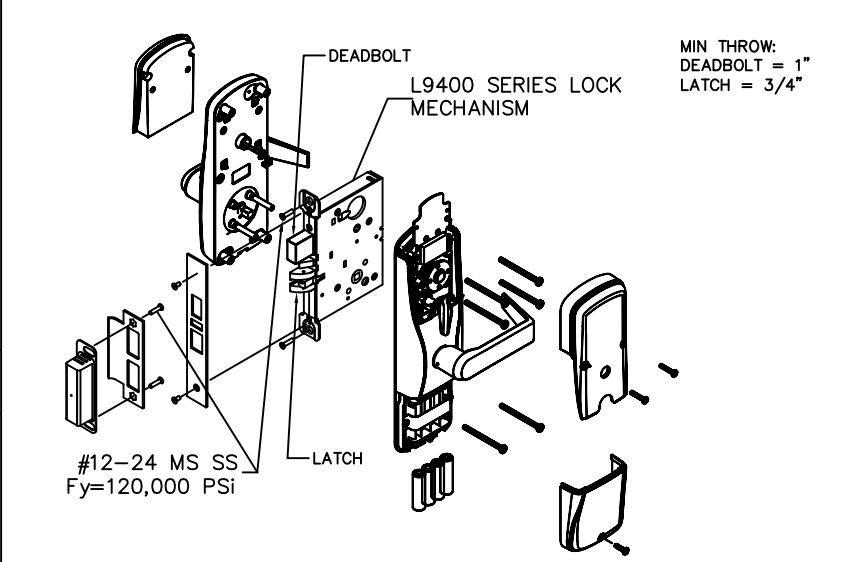
SCHLAGE AD/CO MS SERIES MORTISE LOCKSET WITHOUT DEADBOLT
USED IN DOOR CONFIGURATIONS 14 & 15 (SEE SHTS.1&2)

PRODUCT REVISED
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NOA-No. 20-1005.18
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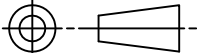
By Ismael L. Chandra
Miami-Dade Product Control



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

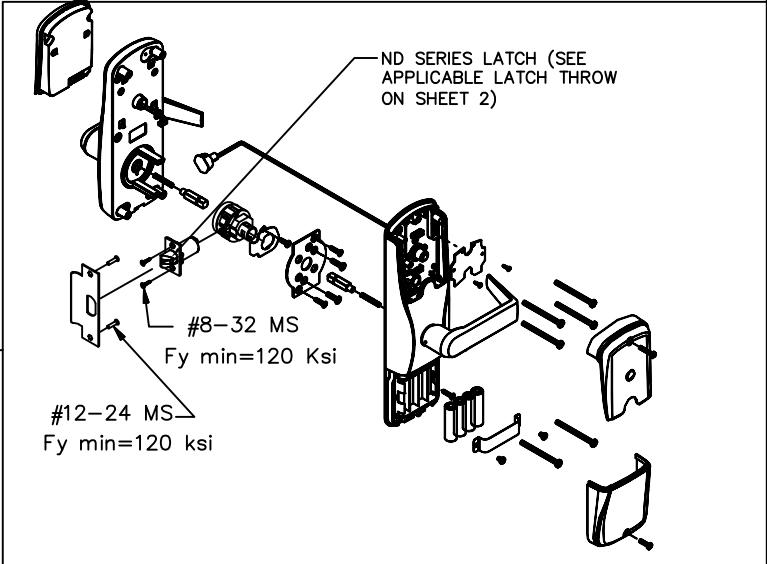


SCHLAGE AD/CO MD SERIES MORTISE LOCKSET W/DEADBOLT
USED IN CONFIGURATIONS: 1 (SEE SHTS. 1&2)

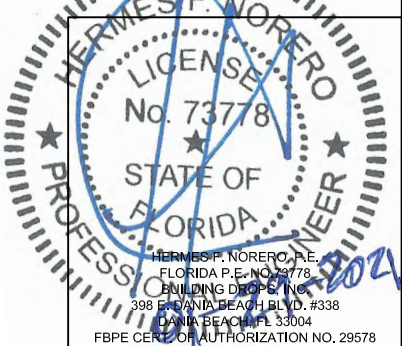
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
							
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES					
DRAWN YMF	DATE 05/20/07	HARDWARE OPTIONS FOR FLUSH SINGLE DOORS.					
CHECKED							
APPROVED		SIZE	FLAT	DWG NO.		REV	
				IRFS07		0	
ENG. APPVL JPD	10/11/07	SCALE:	NTS	AUTOCAD		SHEET	10 of 14

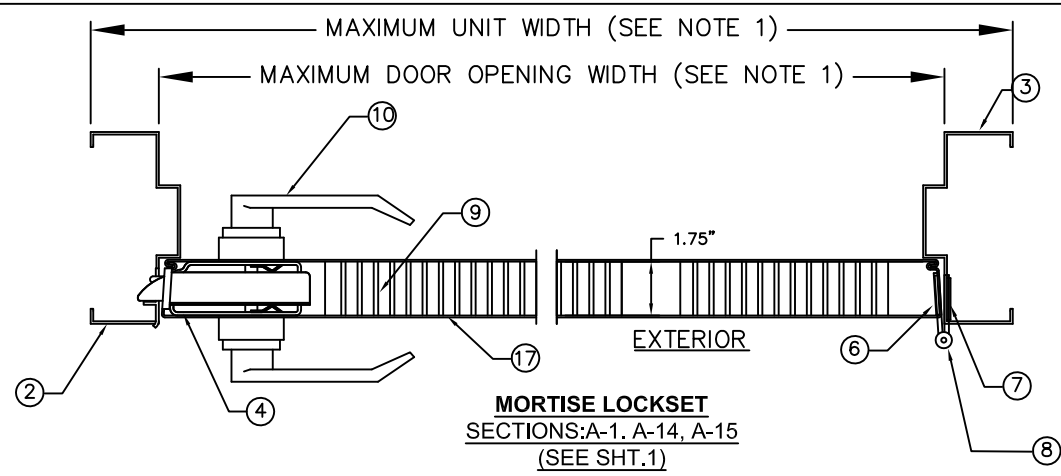
REVISIONS

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	02/16/17	
N	ADDRESS	UPDATE	SM	02/27/20	
O	2020	FBC	UPDATE	NUS	07/07/20

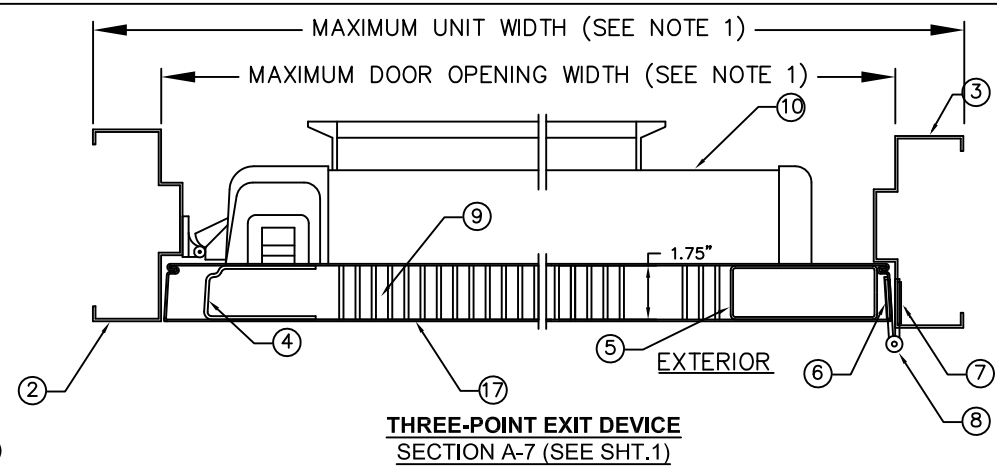


SCHLAGE AD/CO CY SERIES CYLINDRICAL LOCKSET
USED IN CONFIGURATIONS: 3 & 4 & 16 (SEE SHTS.1&2)

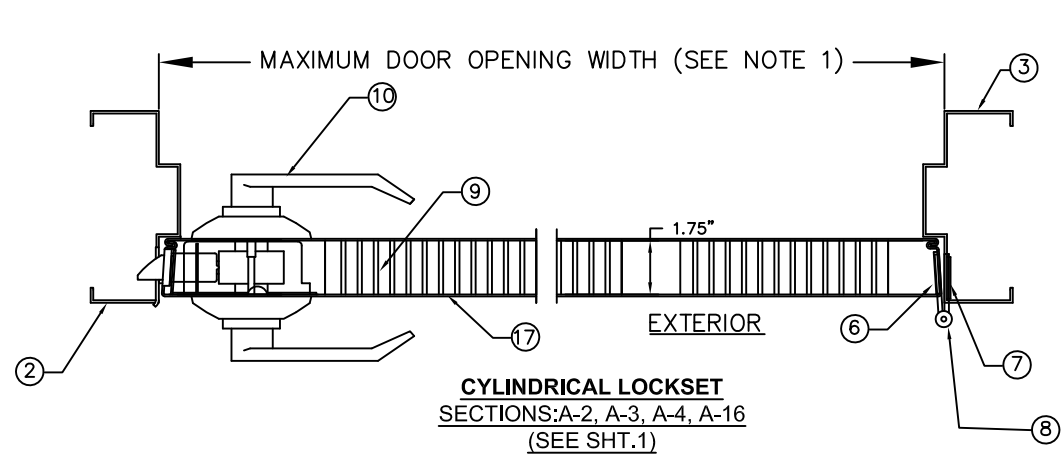




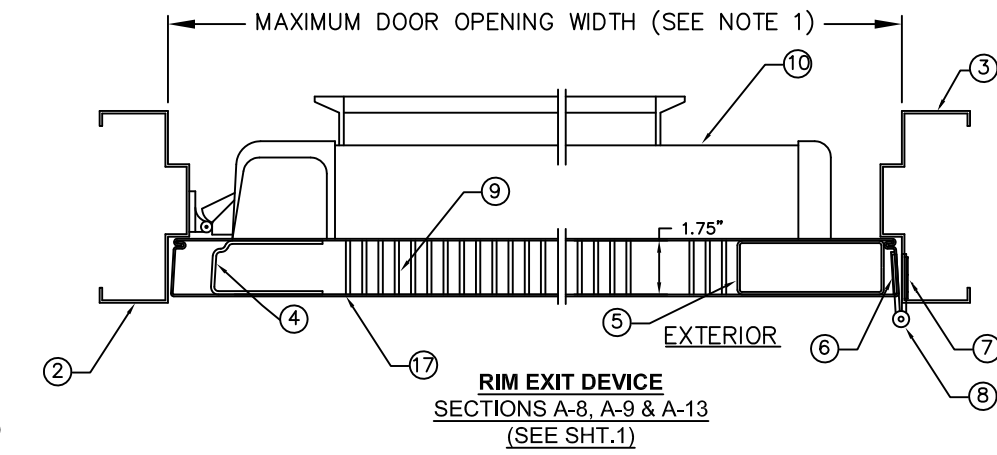
MORTISE LOCKSET
SECTIONS: A-1, A-14, A-15
(SEE SHT.1)



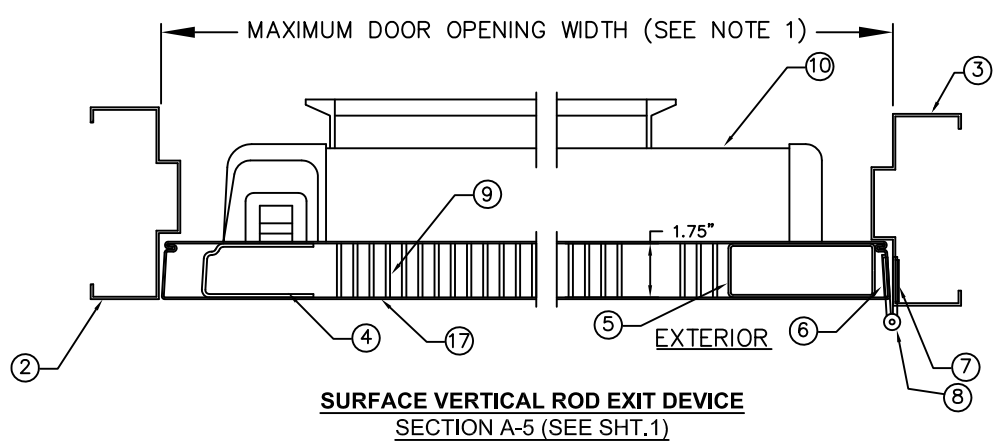
THREE-POINT EXIT DEVICE
SECTION A-7 (SEE SHT.1)



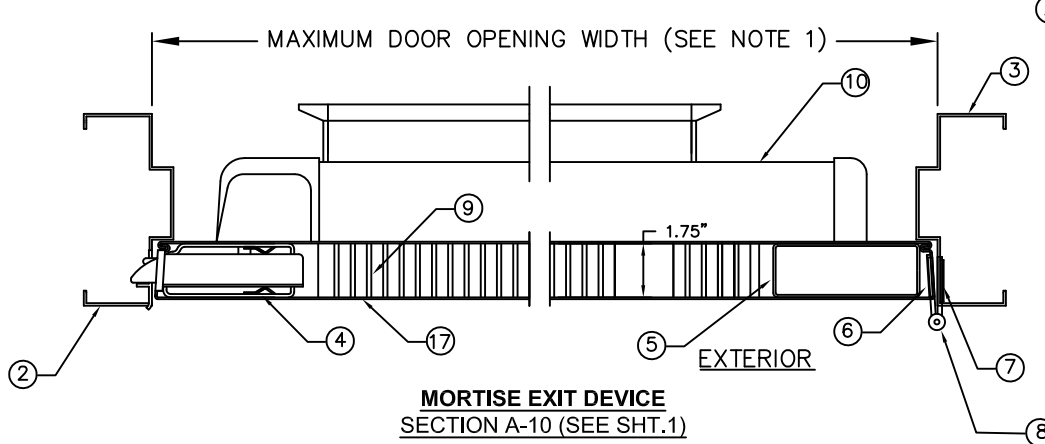
CYLINDRICAL LOCKSET
SECTIONS: A-2, A-3, A-4, A-16
(SEE SHT.1)



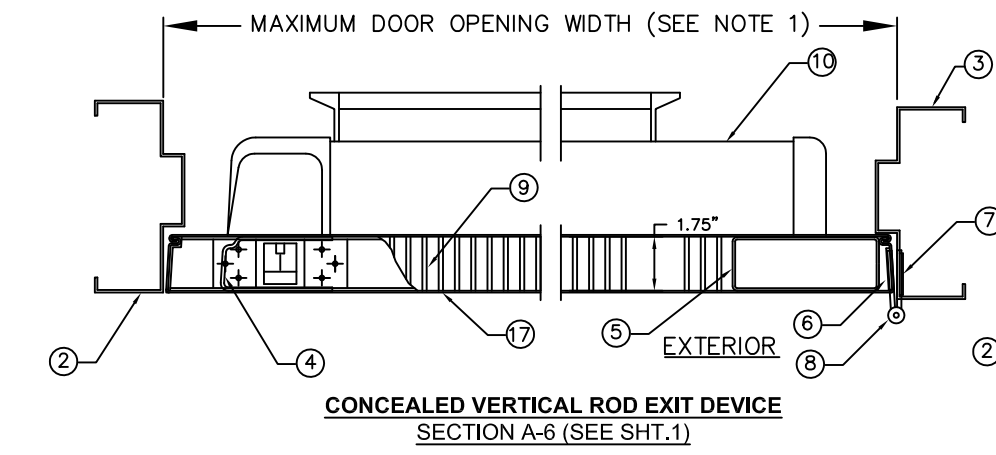
RIM EXIT DEVICE
SECTIONS A-8, A-9 & A-13
(SEE SHT.1)



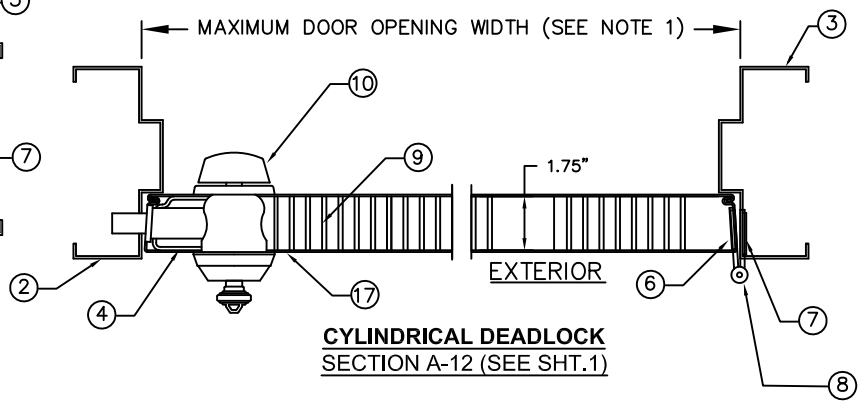
SURFACE VERTICAL ROD EXIT DEVICE
SECTION A-5 (SEE SHT.1)



MORTISE EXIT DEVICE
SECTION A-10 (SEE SHT.1)

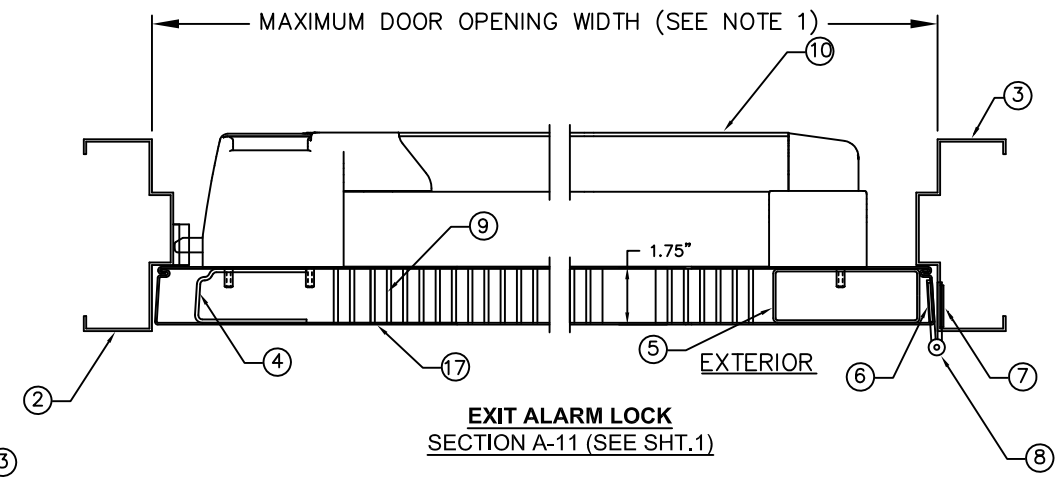


CONCEALED VERTICAL ROD EXIT DEVICE
SECTION A-6 (SEE SHT.1)



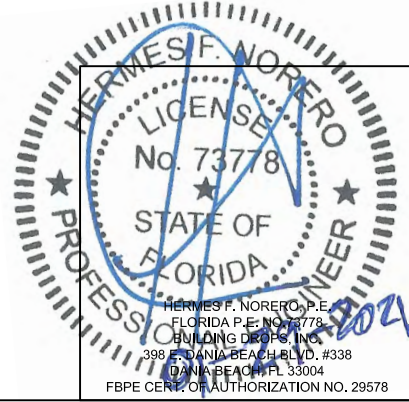
CYLINDRICAL DEADLOCK
SECTION A-12 (SEE SHT.1)

R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL	DWG	YMF	05/20/07
E	REVISED	DWG	YMF	04/08/08
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
O	2020 FBC	UPDATE	NUS	07/07/20



EXIT ALARM LOCK
SECTION A-11 (SEE SHT.1)

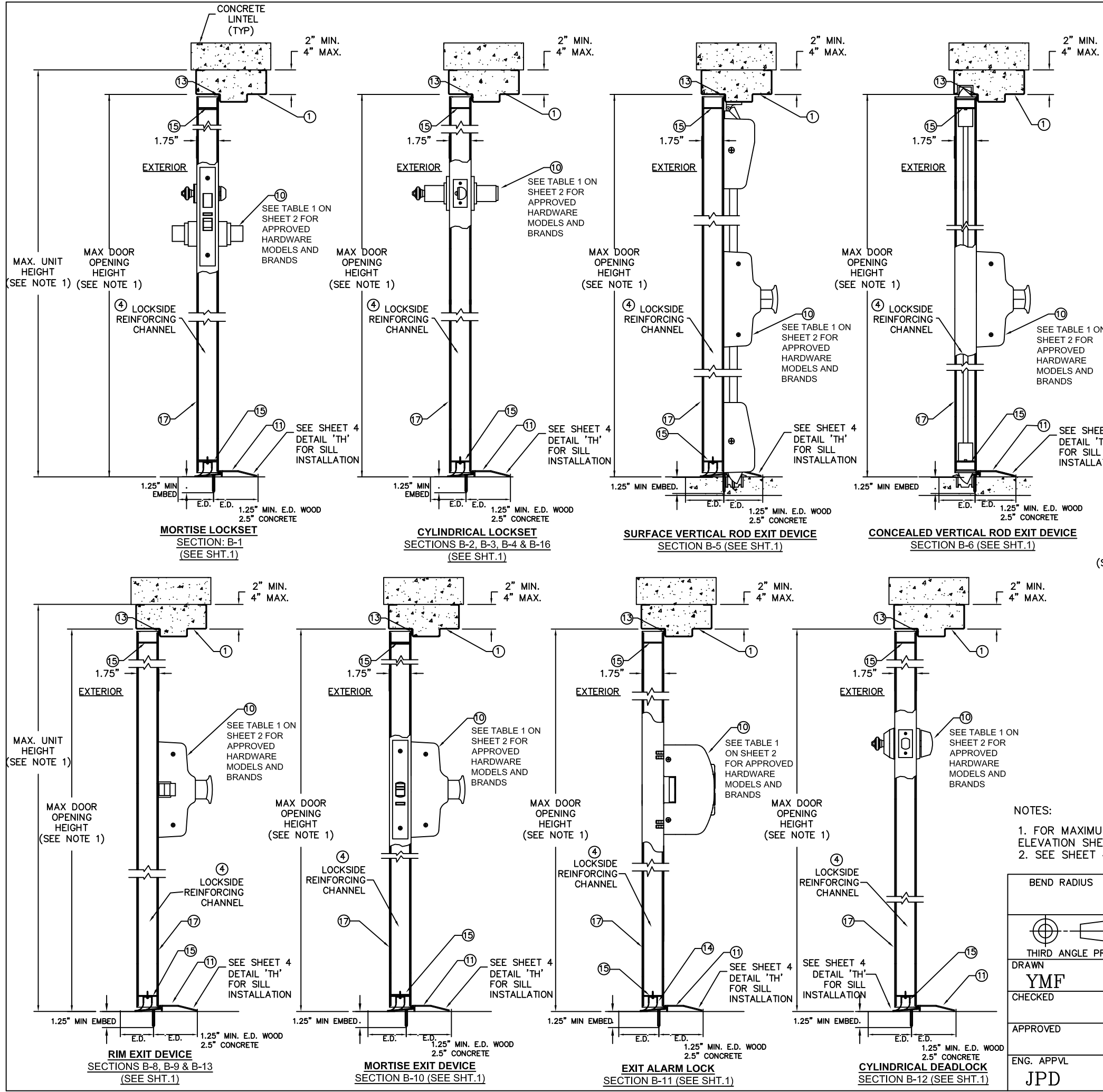
PRODUCT REVISED
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Expiration Date 05/05/2023
By *Ishaq I. Chande*
Miami-Dade Product Control



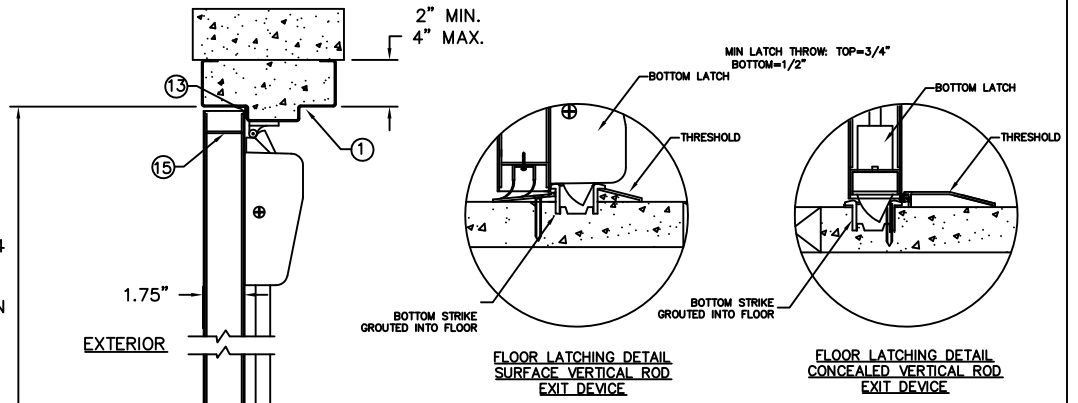
NOTES:

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.

BEND RADIUS 		THIRD ANGLE PROJECTION	
DRAWN YMF	DATE 05/20/007	DRAWN YMF	
CHECKED		CHECKED	
APPROVED		APPROVED	
ENG. APPVL JPD	10/11/07	ENG. APPVL JPD	
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 HORIZONTAL CROSS SECTIONS FOR FLUSH SINGLE DOORS.		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES HORIZONTAL CROSS SECTIONS FOR FLUSH SINGLE DOORS.	
SIZE FLAT	DWG NO. IRFS07	SCALE: NTS	REV 0
AUTOCAD		SHEET 11 of 14	



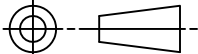
R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL	DWG	YMF	05/20/07
F	REVISED	DWG	YMF	06/03/08
G	REVISED	DWG	YMF	03/04/09
H	REVISED	DWG	YMF	04/07/10
J	REVISED	NAME	JPD	11/01/13
K	REVISED	DWG	JPD	02/01/15
M	ENGINEER	CHANGE	LA	03/10/17
N	ADDRESS	UPDATE	SM	02/27/20
O	2020 FBC	UPDATE	NUS	07/07/20

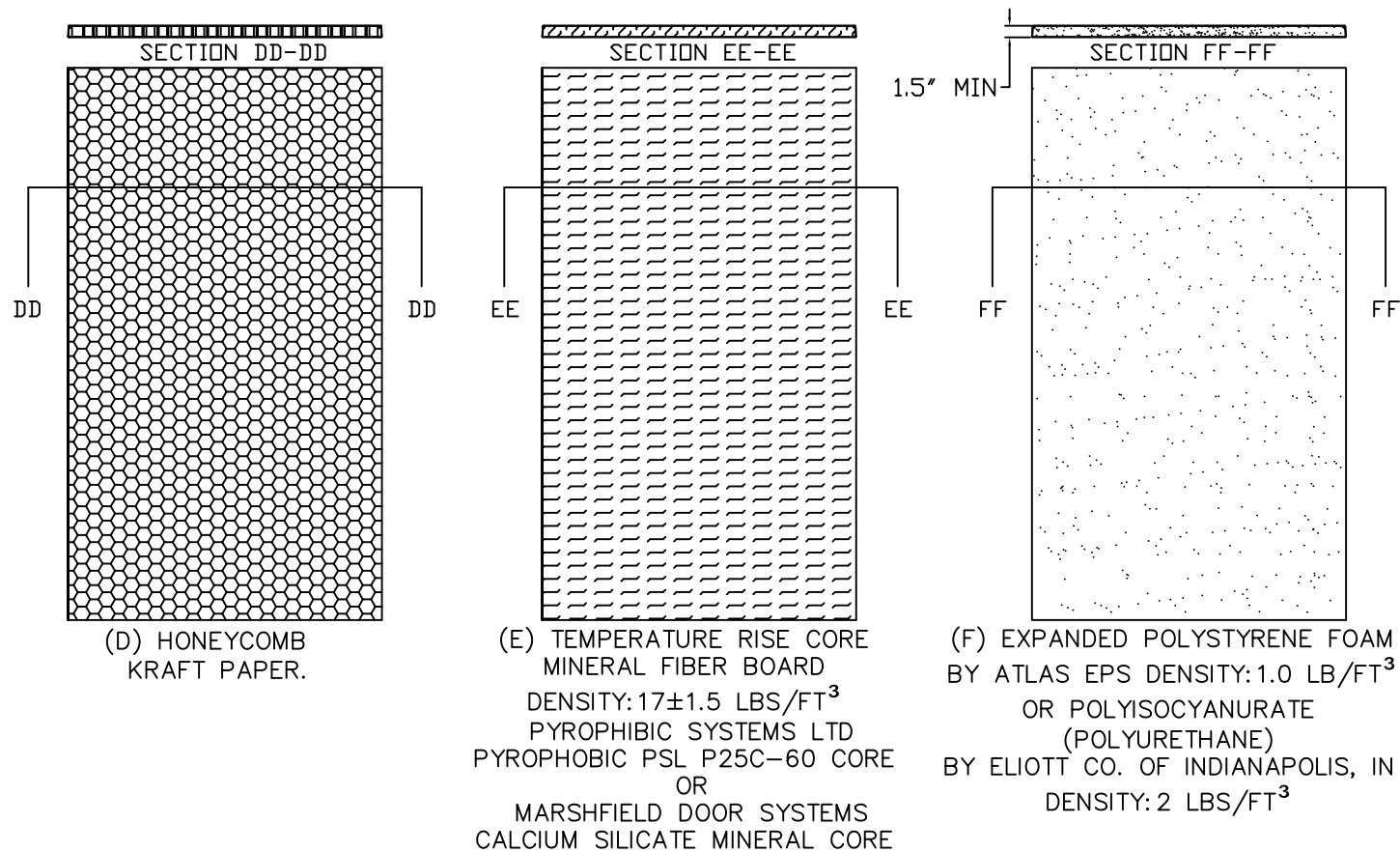
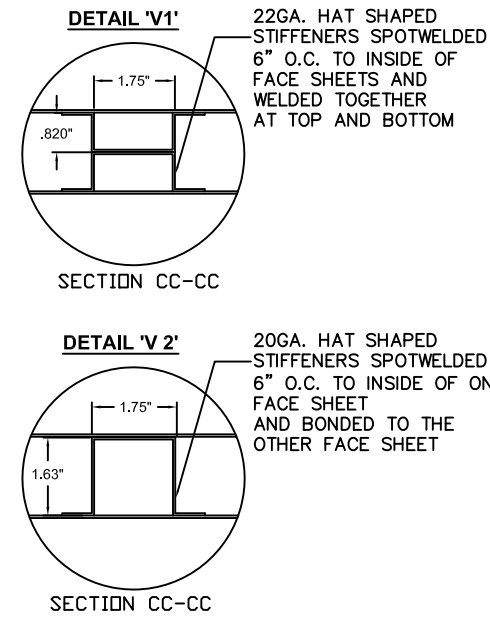
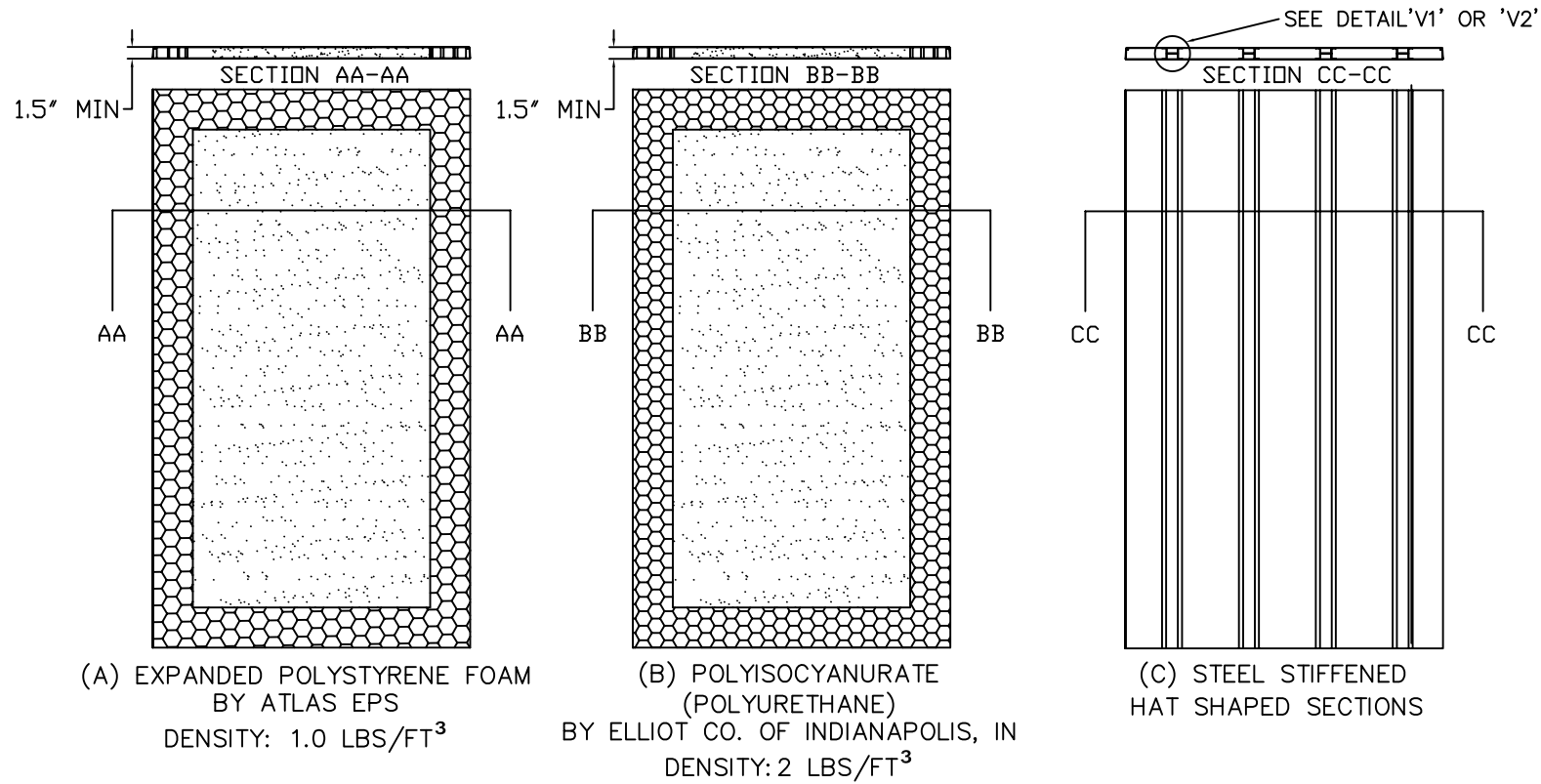


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.18
Expiration Date 05/05/2023
By *Ishag I. Chank*
Miami-Dade Product Control



- NOTES:
1. FOR MAXIMUM DOOR & UNIT OPENING SIZES SEE ELEVATION SHEET 1 AND TABLE 1 ON SHEET 2 AND SHEETS 11 & 12.
 2. 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 0
ENG. APPVL JPD		10/11/07		SCALE: NTS	AUTOCAD	SHEET 12 of 14



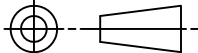
NOTES:

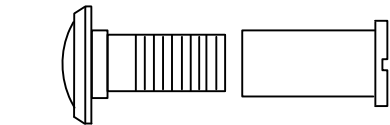
1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS

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	
D	2020 FBC UPDATE	NUS	07/07/20	

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.18
Expiration Date 05/05/2023
By Ishag I. Chank
Miami-Dade Product Control

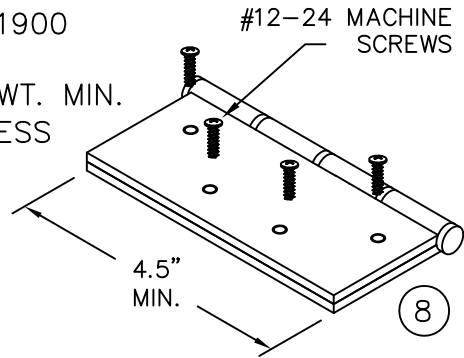


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		
							
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES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

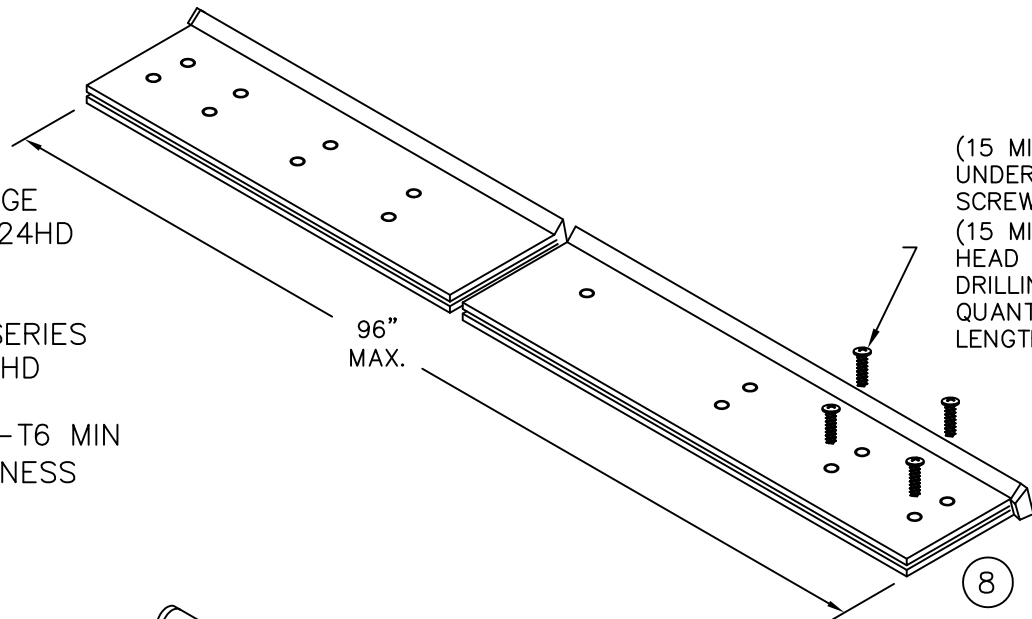


24 IVES 698/U698 DOOR VIEWER
APPLICATION LIMITED TO +/- 75 PSF
DESIGN PRESSURE OR LESS

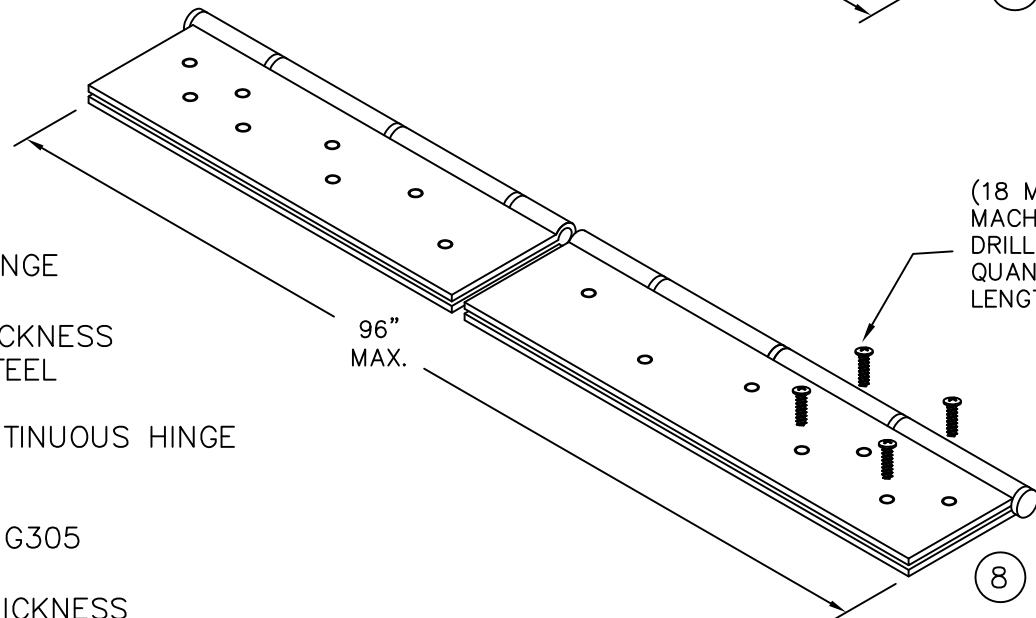
STEEL BUTT HINGE
IVES 5BB1/3CB1
STANLEY FBB179/1900
HAGER BB1279
4.5" X 4.5" STD. WT. MIN.
.134" MIN. THICKNESS
Fy MIN. = 36ksi



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:

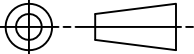
1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
2. SCREW SPACING VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
3. INSTALL HINGES PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS

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	

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.18
Expiration Date 05/05/2023
By Ishaq I. Chahade
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	DATE	TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES					
JPD	02/03/14						
CHECKED		HINGE AND VIEWER OPTIONS					
APPROVED		SIZE	FLAT	DWG NO.			REV
				IRFS07			O
ENG. APPVL		SCALE:	NTS	AUTOCAD		SHEET	14 of 14