



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 Double Flush Outswing Commercial Steel Door w/wo Panic Exit-LMI**

**APPROVAL DOCUMENT:** Drawing No **IRF-D07 Rev Q**, titled "Steelcraft H series Double Flush outswing", sheets 1 through 17 of 17, prepared by the manufacturer, dated 05-20-07 and last revised on 07/18/2022, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

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

**Limitations:**

1. See sheets **1 & 2** for Design Pressures, Sizes and Hardware. See sheets **5, 6, 7** and **8** for door sizes VS threshold types, brand and water infiltration limitations. Lower design Pressure shall control the entire assembly.
2. New Von Duprin **HH9954** mullion must meet min thickness & strength as listed in sheet **16**. See Hollow mullion in sheet **15**. Drop-in or expansion mullion anchor assembly must be from the anchor manufacturer (No substitution parts permitted). Use of Ives viewers (model U696/U698) is limited to max. +/-75 PSF.
3. Top strike plates **338 & 4188** can be used w/wo roller option for Concealed Vert. Rod Panic (CVR) in sheets **10 & 12**.
4. Electrical/Electronic functions and Fire ratings are **not** part of this approval, such functions to be reviewed and approved by AHJ.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, Cincinnati, Ohio and Series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein

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

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

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

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

This NOA **revises & renews NOA #20-1005.20** 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 **Ishaq I. Chanda, P.E.**



NOA No. 22-0427.02  
Expiration Date: May 05, 2028  
Approval Date: August 04, 2022  
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 **IRF-D07 Rev K**, titled "Steelcraft H series Double Flush outswing", sheets 1 through 13 of 13, prepared by the manufacturer, dated 05-20-07 and last revised on 08/30/15, signed and sealed by Thomas Gordon, P.E.

**B. TESTS (Submitted under files #15-0930.05 /#13-1217.17/#12-0305.13/ #10-0209.06/#07-0829.03)**

**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.

**2. Test reports on**

- 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**

- 1) Air Infiltration Test, per TAS 202-94
- 2) Water Resistance Test per FBC TAS 202-94(Not conducted)
- 3) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 4) Large Missile Impact Test per FBC, TAS 201-94
- 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 6) Forced Entry Test, per 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 and **NCTL-210- 3357-1**, both signed and sealed by Gerry Ferrara, P. E.

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. (The **CTLA-1035W** has been revised by an addendum).

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

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 22-0427.02**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- C. CALCULATIONS:** (submitted under file #**15-0930.05**)
1. Anchor verification calculations per FBC 2014 (5<sup>th</sup> Edition) dated 08/30/15, 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.
- D. QUALITY ASSURANCE BY**
1. Miami Dade Department of Regulatory and Economic Resources (RER).
- E. MATERIAL CERTIFICATIONS** (items 6 thru 9, submitted under file # **10-0209.07**)
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. 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”.
  7. 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.
  8. 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 referenced above.
1. Letter of conformance to FBC 2014 (5<sup>th</sup> Edition), dated 08/30/15-, 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. Statement letter of conformance to FBC 2007 and no financial interest, dated FEB 02, 2010, prepared, signed and sealed by Gordon Thomas, P.E.

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 22-0427.02**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS (continue):**

7. Laboratory Compliance statement issued as part of the above test reports.
8. 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.
9. 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.

**G. OTHER**

1. This NOA **renews NOA #15-0930.05**, 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 consolidates NOA (s) associated with these files are NOA #10-0209.07, 07-0829.04, 02-0712.01, 02-0712.03, 03-0908.03, 04-0203.03, 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. Evidence submitted under previous submittal.**

**A. DRAWINGS**

1. Drawing No **IRF-D07 Rev N**, titled "Steelcraft H series Double Flush outswing", sheets 1 through 17 of 17, prepared by the manufacturer, dated 05-20-07 and last revised on 04/24/18, 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 verification test **NCTL-210-3549-1** for VonDuprin HH9954 mullion per TAS 202, 201 & 203, issued by National Certified Testing, signed & sealed by Gerry Ferrara, P. E.
3. Additional Reference test report No. CTLA-1107W for strap anchor qualification.

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 22-0427.02**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**

## **Schlage Lock Company**

### **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

#### **C. CALCULATIONS:**

1. Anchor verification calculation complying w/ FBC 2017(6<sup>th</sup> Edition) dated 04/04/2017 and last revised on 04/09/2018, 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 # 4 thru 6, submitted under file # 17-1026.24)**

1. Letter statement dated April 03, 2018, issued by Allegion for future catalog update and inclusive of the upgrading of Von Duprin HH 9954 mullion, signed by Jim Donlan, Compliance Engineer.
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. 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.
4. Ingersoll-Rand press release, dated 12/10/12, integrating the brands of Ingersoll-Rand and Schlage among others.
5. 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
6. Certification of Formation dated 12-08-2003 of Schlage Lock Company, LLC, issued by Secretary of State of Delaware.
7. Statement letter dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
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.
9. 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
10. 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 #17-0326.04**, expiring on 05/05/23.
2. Test proposals **#14-0251, #14-0252-R, 14-0253, #14-0254-R1, #14-1086 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).
5. Allegion's (Schlage/ Former Ingersoll-Rand) future updated HH9954 Von-Duprin Mullion catalog.

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 22-0427.02**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. Evidence submitted in previous NOA**

**A. DRAWINGS**

1. Drawing No **IRF-D07 Rev N**, titled “Steelcraft H series Double Flush outswing”, sheets 1 through 17 of 17, prepared by the manufacturer, dated 05-20-07 and last revised on 04/24/18, 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).

**E. MATERIAL CERTIFICATIONS**

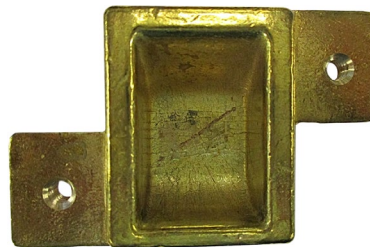
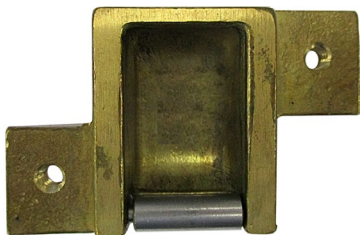
1. None

**F. STATEMENTS (submitted under file # 17-0426.04)**

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 # 17-0426.04**, expiring 05/05/23.
2. Optional CVR top strikes #338 w/wo Roller (see below)



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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 22-0427.02**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No **IRF-D07 Rev O** titled “Steelcraft H series Double Flush outswing”, sheets 1 through 17 of 17, prepared by the manufacturer, dated 05-20-07 and last revised on 03/04/20, 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 # 19-1016.05)**

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

**G. OTHER**

1. This NOA revises NOA # 19-1016.05, expiring 05/05/23.

**5. Evidence submitted under previous approval**

**A. DRAWINGS**

1. Drawing No **IRF-D07 Rev P** titled “Steelcraft H series Double Flush outswing”, sheets 1 through 17 of 17, prepared by the manufacturer, dated 05-20-07 and last revised on 01/29/21, 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 # 20-0310.10, expiring 05/05/23.

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 22-0427.02**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**6. New Evidence submitted**

**A. DRAWINGS**

1. Drawing No **IRF-D07 Rev Q**, titled "Steelcraft H series Double Flush outswing", sheets 1 through 17 of 17, 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.

**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.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

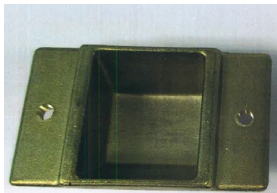
1. None.

**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 # 20-1005.20**, expiring 05/05/28.
2. CVR Falcon 4188 (top strike) options w/wo Roller



4188 Top strike without Roller



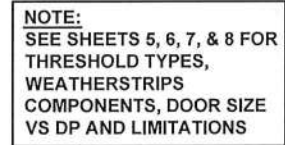
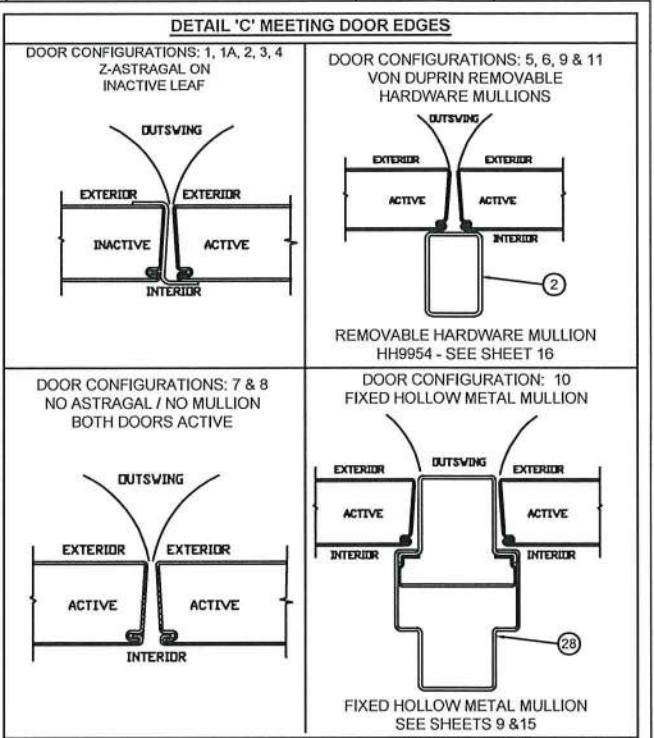
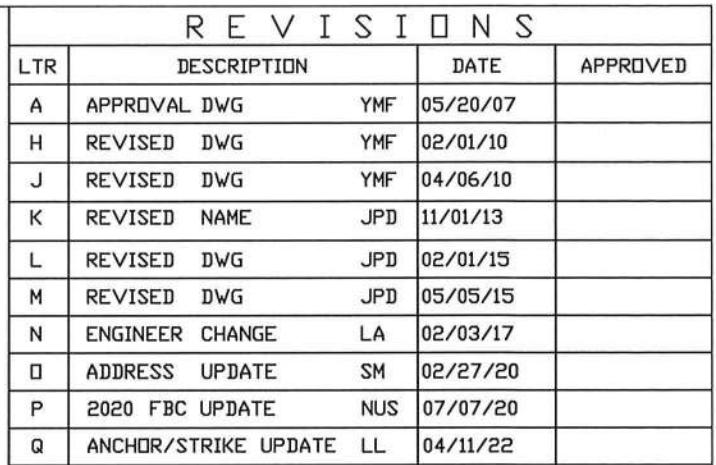
4188 Top strike with Roller

*Ishaq I. Chanda*

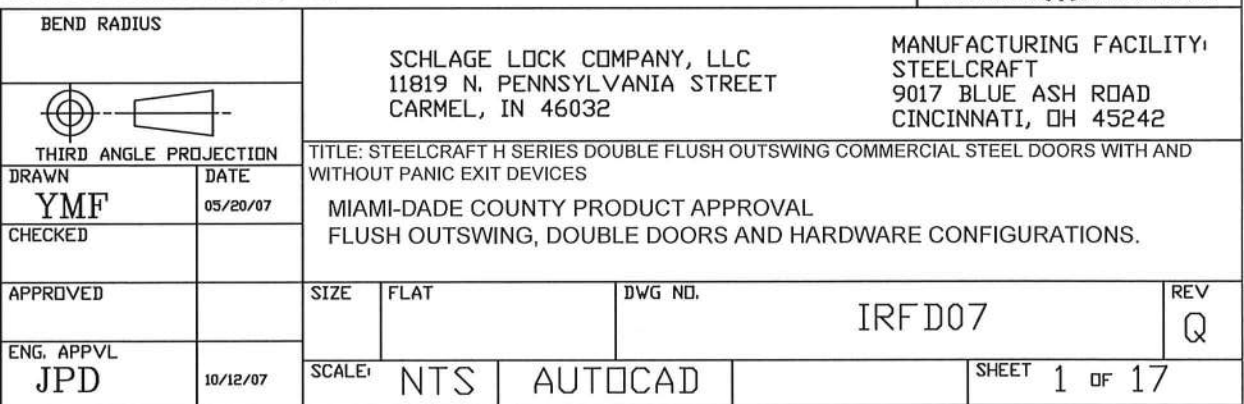
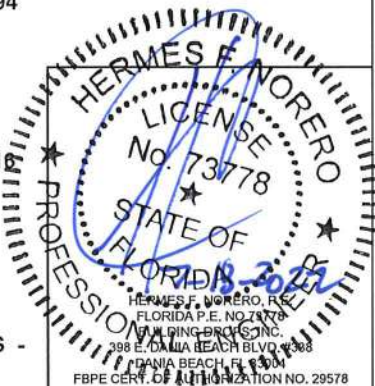
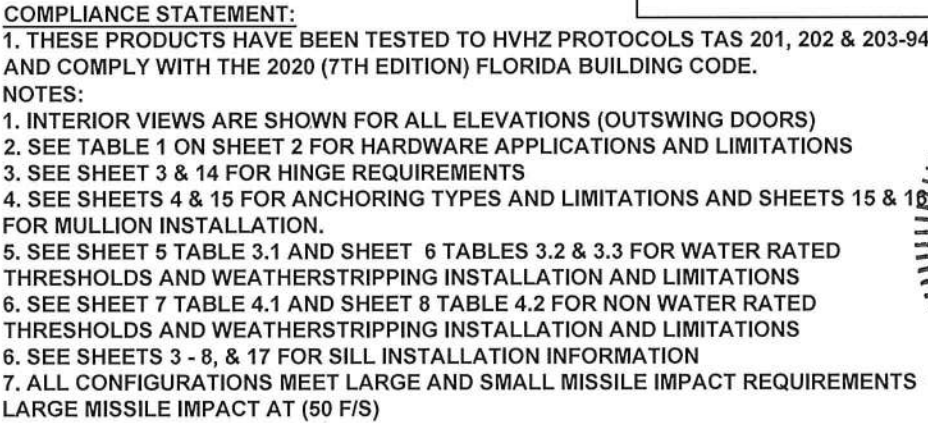
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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 22-0427.02**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**





**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0427.02  
Expiration Date 05/05/2028  
By Ishaq I. Chande  
**Miami-Dade Product Control**





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	96	96	Mortise Lock	L/LV9400/AD/CO MD	10-072	Schlage	Function with deadbolt, 3/4" min. throw latch & 1" min throw deadbolt
						MA	ANSI	Falcon	
	60	60	96	96	Mortise Lock	L/LV9000/AD/CO MS	10-025	Schlage	Function without deadbolt, 3/4" min. throw latch
2	55	55	96	96	Cylindrical Lock	AL	10-025	Schlage	1/2" throw latch
3	65	65	96	96	Cylindrical Lock	D/ND/AD/CO CYL	10-025	Schlage	1/2" throw latch
4	75	75	96	96	Cylindrical Lock	D/ND/AD/CO CYL	10-025	Schlage	3/4" throw latch
						T	ANSI	Falcon	3/4" throw latch
5	90 SEE NOTE 4.	90 SEE NOTE 4.	96	96	Rim Exit Device	XP98, XP99, XP98-F, XP99-F	909/954	Von Duprin	for pairs use HH9954 mullion by Von Duprin
6	70	70	96	96	Rim Exit Device	88-F	468.0000	Von Duprin	for pairs use HH9954 mullion by Von Duprin
						98, 99, 98-F, 99-F	499F	Von Duprin	
7	70	70	96	96	Surface Vertical Rod Exit Device	9827, 9927, 9827-F, 9927-F	299F/499F Top, 304L Bottom	Von Duprin	
						25-V, F-25-V	3788 Top, 2130 Bottom	Falcon	
8	70	70	96	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
						F-25-C	4188 Top, 2130 Bottom	Falcon	for use with or without roller
9	70	70	96	96	Three-Point Latching Device	9857, 9957, 9857-F, 9957-F	"299F/499F Top, 499F Middle, 304L Bottom"	Von Duprin	for pairs use HH9954 mullion by Von Duprin
10	70	70	48	96		9857, 9957, 9857-F, 9957-F	"299F/499F Top, 299F/499F Middle, 304L Bottom"	Von Duprin	See note #2
11	70	55	96	96	Rim Exit Device	25-R, F-25-R	499F	Falcon	for pairs use HH9954 mullion by Von Duprin

REVISIONS				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL	DWG YMF	05/20/07	
C	REVISED	DWG RAP	12/03/07	
D	REVISED	DWG YMF	01/16/08	
E	REVISED	DWG YMF	02/28/08	
F	REVISED	DWG YMF	05/30/08	
G	REVISED	PER_MDBCCD YMF	02/06/09	
H	REVISED	DWG YMF	03/18/09	
J	REVISED	DWG YMF	04/06/10	
K	REVISED	NAME JPD	11/01/13	
L	REVISED	DWG JPD	02/01/15	
M	REVISED	DWG JPD	05/05/17	
N	ENGINEER	CHANGE LA	02/23/17	
O	ADDRESS	UPDATE SM	02/27/20	
P	2020 FBC	UPDATE NUS	07/07/20	
Q	ANCHOR/STRIKE	UPDATE LL	04/06/22	

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
**NOA-No.** 22-0427.02  
**Expiration Date** 05/05/2028  
**By** Ishag I. Chank  
**Miami-Dade Product Control**

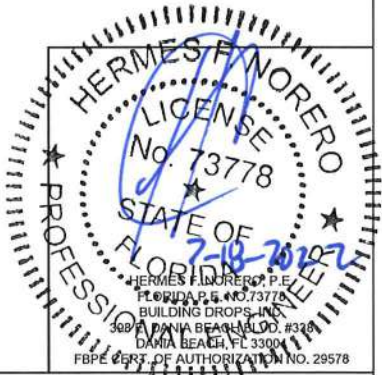
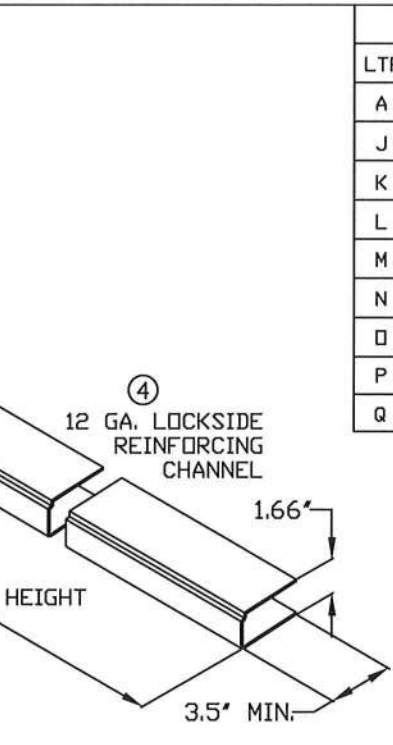
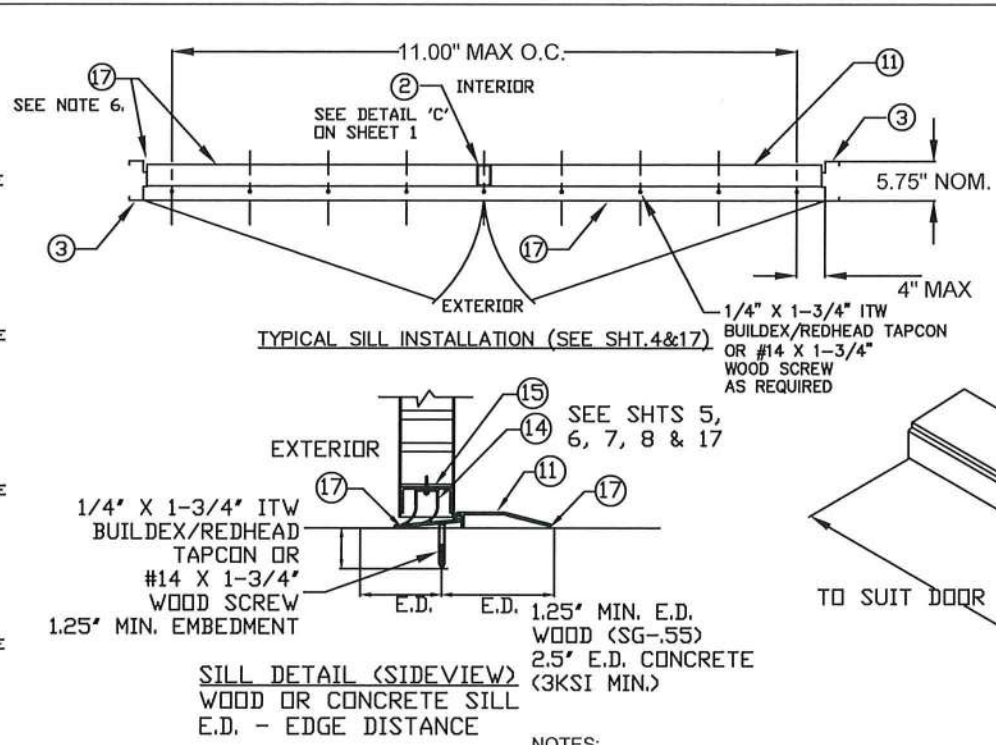
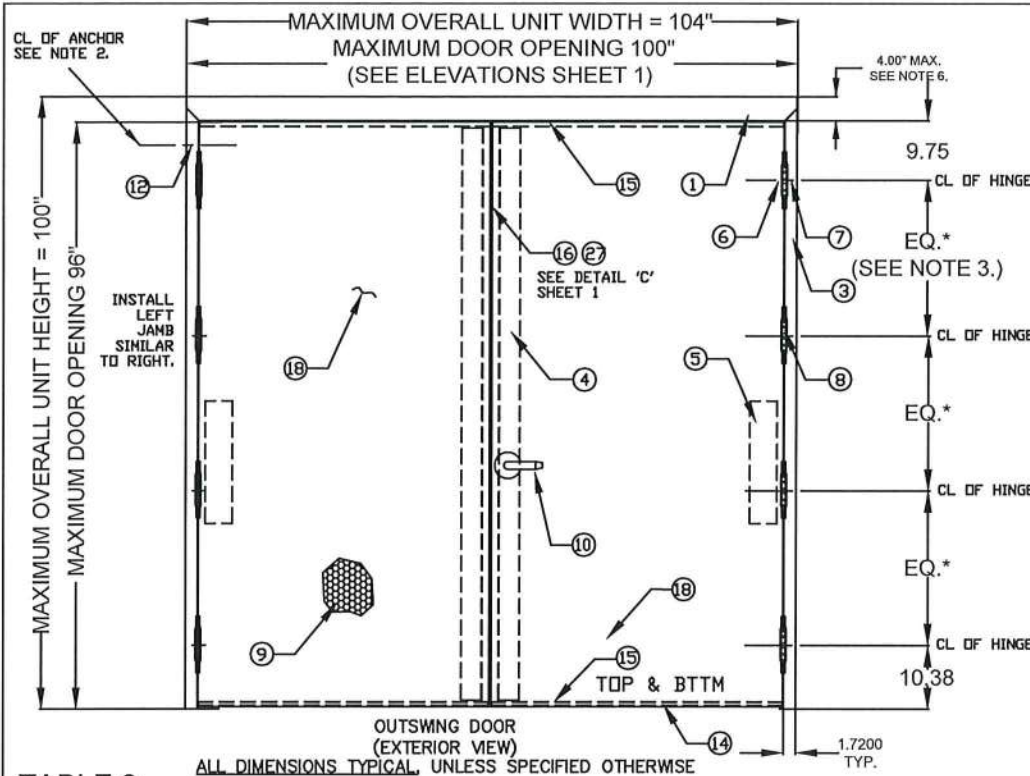


TABLE 1.

- NOTES:**
- 1. FOR DOOR CONFIGURATIONS 1, 1A, 2, 3, & 4, INACTIVE LEAF REQUIRES IVES SB360 SURFACE BOLTS IN TOP AND BOTTOM
  - 2. DOOR CONFIGURATION 10 IS USING FIXED HOLLOW METAL MULLION BETWEEN TWO DOORS (SEE MULLION DETAIL IN SHEET 15)
  - 3. SEE SHEETS 10 THROUGH 16 FOR LOCKING HARDWARE AND HARDWARE MULLION DETAILS
  - 4. DOOR CONFIGURATION 5 IS RATED FOR MAXIMUM DESIGN PRESSURE UP TO ±75 PSF WITH ZERO INT'L THRESHOLD 11A OR FOR DOOR OPENINGS UP TO 3'-0" X 7'-0" WITH NGP THRESHOLD 11B AND ±50 PSF FOR DOOR OPENINGS UP TO 4'-0" X 8'-0" WITH NGP THRESHOLD 11B WHEN WATER INFILTRATION REQUIREMENT IS NEEDED. SEE SHEETS 5 AND 6.
  - 4.1 DOOR CONFIGURATION 5 IS WATER RATED FOR A MAXIMUM DESIGN PRESSURE UP TO ±75 WITH ZERO INT'L THRESHOLD (11A) OPTIONS AND UP TO ±90 PSF WITH THE NON-WATER RATED NGP 950 THRESHOLD (12B) OPTIONS WHEN WATER INFILTRATION REQUIREMENT IS NOT REQUIRED. SHEET 8.
  - 5. SCHLAGE AL-SERIES CYLINDRICAL LOCK (DOOR CONFIGURATION 2) IS LIMITED TO ±55 PSF MAXIMUM DESIGN PRESSURE

BEND RADIUS		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 DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
THIRD ANGLE PROJECTION		MIAMI-DADE COUNTY PRODUCT APPROVAL			
DRAWN YMF		FLUSH OUTSWING DOORS AND HARDWARE CONFIGURATIONS			
CHECKED		COMMERCIAL DOOR OPENING DOUBLE FLUSH DOORS.			
APPROVED		SIZE	FLAT	DWG NO.	REV
ENG. APPVL JPD		SCALE	NTS	IRFD07	Q
10/12/07		AUTOCAD		SHEET 2 OF 17	





REVISIONS				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWGS.	YMF	05/20/07	
J	REVISED DWG	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	02/23/17	
O	ADDRESS UPDATE	SM	02/27/20	
P	2020 FBC UPDATE	NUS	07/07/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/06/22	

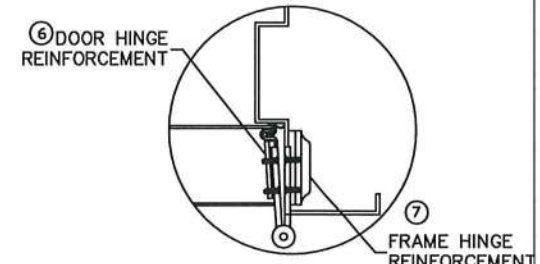


TABLE 2

	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD SEE SHT 9 ASTM A366	.053\"	MAX. 100\"
2	1	VON DUPRIN HH9954 HARDWARE MULLION	.312\" A500 STL	MAX. 96\" HEIGHT.
3	2	HINGE JAMB SEE SHT 9 ASTM A366	.053\" MIN. STL	MAX. 100\" HEIGHT.
4	2	LOCK SIDE REINFORCEMENT CHANNEL	.093\" MIN. STL	3.5 X 93.44 MAX
5	2	HINGE SIDE PANIC REINFORCEMENT	.067\" MIN. STL	MAX. 20\"
6	NOTE 2.	HINGE REINFORCEMENT DOOR ASTM A621	.167\" MIN. STL.	1.23\" X 9.19\" MIN.
7	NOTE 2.	HINGE REINFORCEMENT FRAME ASTM A621	.167\" MIN. STL.	1.5\" X 9.19\" MIN.
8	NOTE 2.	4.5\" X 4.5\" BUTT HINGES (SEE SHT.17)	.134 MIN.	(8) #12-24 MS PER HINGE
		OPTIONAL CONTINUOUS HINGE (SEE SHT.17)	.750\" MIN. STL/.12 ALUM	MAX. 95\"
9	2	CORE MATERIAL (SHT15) D) HONEYCOMB C) STEEL STIFFENED A/F) POLYSTYRENE B/F) POLYURETHANE/POLYISOCYANURATE E) MINERAL BOARD TEMPERATURE RISE CORE		
10	2	LOCKING HARDWARE - SEE SHEETS 2, 10, 11 & 12		
		THRESHOLD SILL W/BUMPER GASKET (SEE SHTS. 5, 6, 7, & 8)		
11	1	11A) 566 ZERO WATER SHTS 5&6 NON WATER SHT 7 11B) 950A NGP WATER RATED SHT 6 NON WATER SHT 8 11C) 65 ZERO NON WATER RATED SHEET 7 11D) 568 ZERO NON WATER RATED SHEET 7	.125\" ALUM. 6063 T5 .078\" ALUM. 6063 T5 .125\" ALUM. 6063 T5 .125\" ALUM. 6063 T5	5.0\"X0.5\"X96\"MAX. 6.0\"X0.5\"X96\"MAX.
12	NOTE 1.	JAMB ANCHOR ASTM A924	SEE SHEET 7	
13	SEE SHTS 6, 7 & 8	13A) PS074 DOOR SEAL STEELCRAFT 13B)188S, 13C)117S, 13D)8144S, 13E)8150S DOOR SEAL ZERO	TPE SILICONE	VARIES
14	2	FAS-SEAL DOOR SWEEP SEE SHTS 5,6,7&8	TPE	MAX. 47.66\"
15	4	END CHANNEL ASTM A924 (14 GA - INVERTED)		.69\" X 1.66\" X 47.66\" MAX.
16	1	16A) 328 SPLIT ASTRAGAL BY ZERO INT'L 16B) 137 SPLIT ASTRAGAL BY NGP	SEE SHEETS 5 & 7 SEE SHEETS 6 & 8	
17	AS NEEDED	CAULK - BUTYL RUBBER OR 100% SILICONE	SEE SHTS 5,6,7&8	
18	2	DOOR SLAB (16 OR 14 GA)	SEE SHEET 9	4\" X 8\" MAX.
19	1	19A) 8150S DOOR SEAL BY ZERO INT'L SEE SHTS 5 & 7 19B) 188S DOOR SEAL BY ZERO INT'L SEE SHTS 6 & 7	TPE	MAX. 24\" MAX. 96\"
20	4	202N DOOR SEAL BY NGP SEE SHEET 6	TPE	MAX. 96\" FOR VERTICAL MAX. 48\" FOR HORIZONTAL
21	2	21A) 139 DOOR SWEEP BY ZERO INT'L 21B) 328 DOOR SWEEP BY ZERO INT'L 21C) 200N DOOR SWEEP BY NGP	SEE SHEETS 5 & 6	
22	2	22A) 475 ADJUSTABLE SEAL BY ZERO INT'L SEE SHEET 6 22B) 170N ADJUSTABLE SEAL BY NGP SEE SHEET 6	TPE	MAX. 48\" MAX. 104\"
23	1	23A) 142 RAIN DRIP BY ZERO INT'L		
	2	23B) 11 RAIN DRIP BY ZERO INT'L 23C) 16A RAIN DRIP BY NGP	SEE SHEETS 5 & 6	MAX. 48\"
24	2	TOP CAP GALV. A60 ASTM A924	.020\" MIN. STL	0.5\" X 1.76\" X 48\" MAX.
25	2	IVES 360 12\" SURFACE BOLT		
26	1	ASA STRIKE		
27	1	Z-ASTRAGAL	.067\" MIN. STL	MAX. 95.5
28	1	HOLLOW METAL MULLION (SINGLE OR DOUBLE RABBIT)	SEE SHEET 9	MAX. 96\"
29	1	IVES 698/U698 DOOR VIEWER	BRASS	

- NOTES:
- ANCHOR REQUIREMENTS: SEE SHEETS 4 & 17 FOR APPROVED ANCHORS AND INSTALLATION REQUIREMENTS. SEE SHEETS 15 & 16 FOR MULLION INSTALLATION.
  - HINGE REQUIREMENTS:  
FOR DOOR OPENING UP TO 90\" HIGH - MIN. (3) BUTT HINGES  
FOR DOOR OPENING OVER 90\" - 96\" HIGH - MIN. (4) BUTT HINGES  
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 NOT TO EXCEED 35.5\" FOR THREE HINGES.  
FOR APPROVED CONTINUOUS HINGE MODELS SEE SHEET 17.
  - SEE SHEETS 1, 2 & 9 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
  - HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
  - 4\" FACE FRAME HEAD IS AVAILABLE. SEE SHEETS 4 AND 17.
  - APPLY CAULK TO FULL LENGTH OF SILL AND ENTIRE PERIMETER OF FRAME. SEE SHEETS 5, 6, 7, & 8.
  - SEE SHEET 13 FOR HORIZONTAL SECTION A-A, SEE SHEET 14 FOR VERTICAL SECTIONS B-B AND C-C.
  - EXIT HARDWARE OPTIONS:  
FOR 98/99 & XP98/99 SERIES - FUNCTIONS E, QEL, RX, LX, SS, EL, CX, F  
TRIM: ALL APPLICABLE TRIMS AVAILABLE.  
FOR 88-F SERIES - FUNCTION E  
TRIM: ALL APPLICABLE TRIMS AVAILABLE.  
PN MODEL OFFERED.  
FOR 2670 GUARD-X  
TRIM: ALL APPLICABLE TRIMS AVAILABLE.  
FOR 25-R, 25-C & 25-V SERIES - FUNCTIONS DM,LM, KOR, ED, EL, EA, FSA, FSE, HWEA  
TRIM: ALL APPLICABLE TRIMS AVAILABLE
  - PN MODEL OFFERED.
  - ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.
  - OPTIONAL POWER TRANSFERS, MONITORING SWITCHES, SUPPLEMENTARY MAGNETIC LOCKS MAY BE USED AS ALLOWED BY CODE AND IT DOES NOT EFFECT THE MECHANICAL PROPERTIES OF EXIT DEVICE AND/OR INHIBIT EGRESS. TO BE REVIEWED BY BUILDING OFFICIAL.
  - WEATHERSTRIPPING:  
- WHEN WATER INFILTRATION IS REQUIRED INSTALL PER SHEETS 5 OR 6 AS APPLICABLE  
- WHEN WATER INFILTRATION IS NOT REQUIRED INSTALL PER SHEETS 7 OR 8 AS APPLICABLE
  - SILL SHALL BE ANCHORED PER INSTALLATION DETAIL ON THIS SHEET AND SHEETS 4 & 17.
  - GASKETING QUANTITY WILL INCREASE WHEN USED WITH HOLLOW METAL MULLION. SEE SHEET 6, 7 & 8 FOR DETAILS.

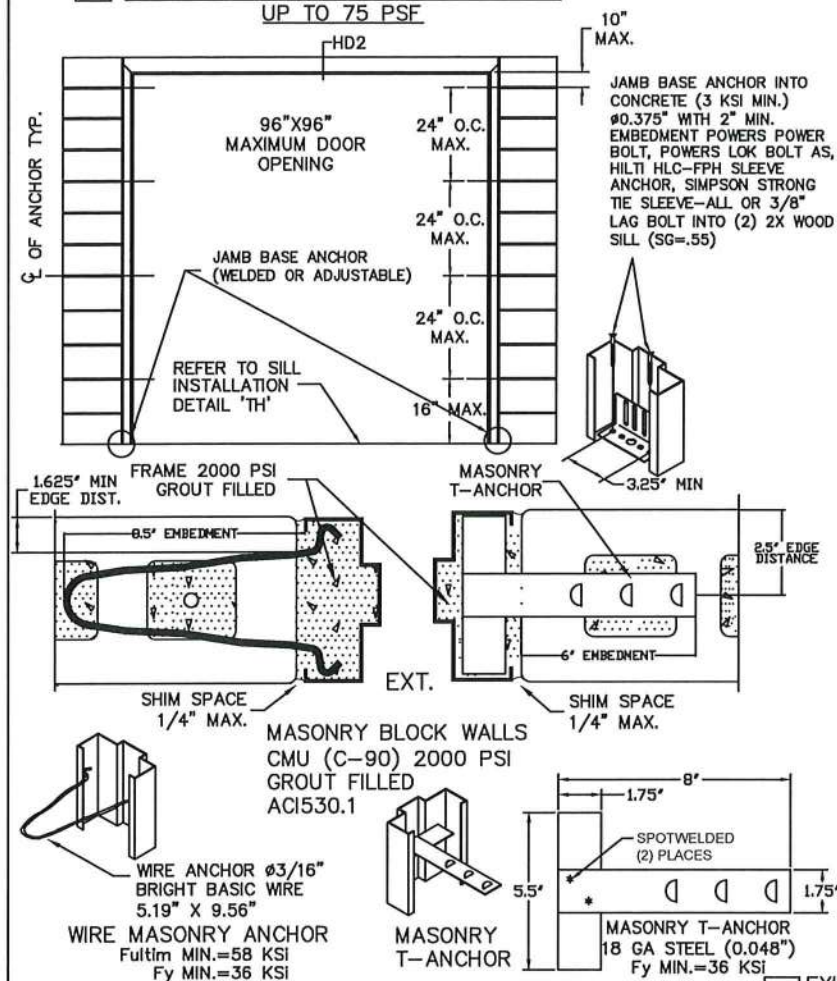
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0427.02  
Expiration Date 05/05/2028  
By Ishag I. Chank  
Miami-Dade Product Control

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 DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	MIAMI-DADE COUNTY PRODUCT APPROVAL H SERIES FLUSH DOUBLE DOORS OUTSWING CONFIGURATIONS			
CHECKED		SIZE FLAT	DWG NO. IRFD07	REV Q	
APPROVED		SCALE NTS	AUTOCAD	SHEET 3 OF 17	
ENG. APPVL JPD	10/12/07				

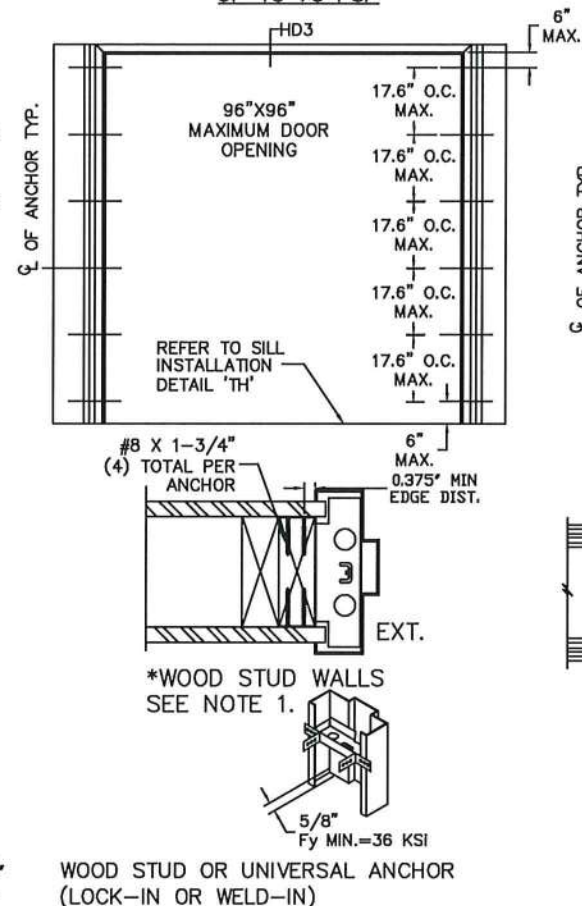




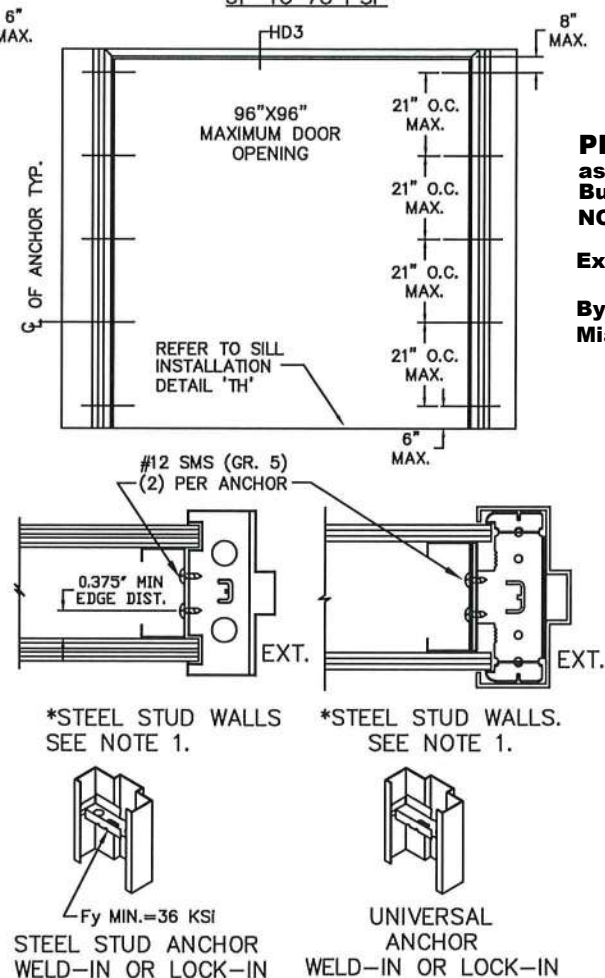
**A** WIRE OR T MASONRY ANCHOR INTO  
GROUT FILLED FRAME AND BLOCK WALL  
UP TO 75 PSF



**B** WOOD STUD ANCHOR  
UP TO 75 PSF

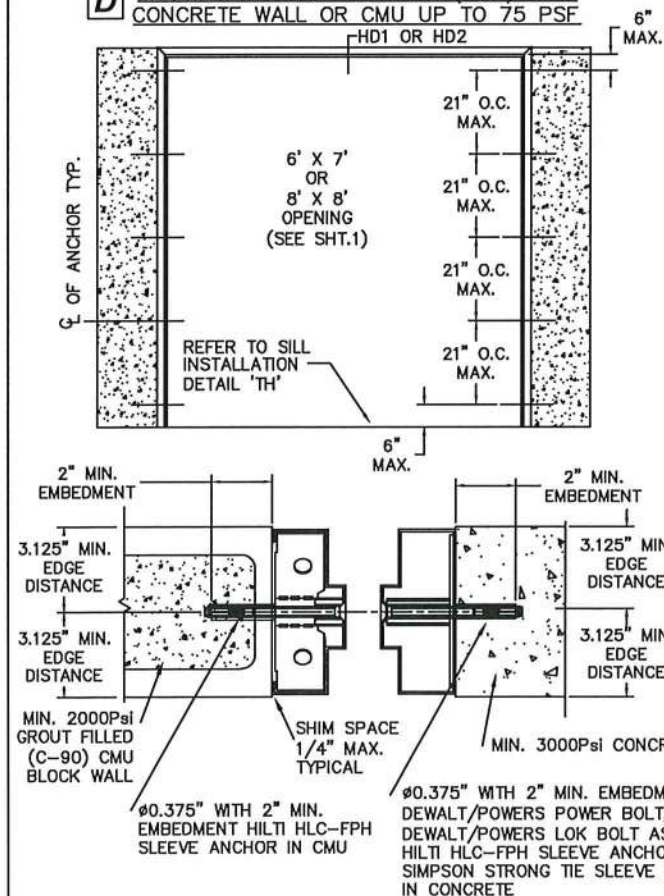


**C** STEEL STUD ANCHOR  
UP TO 75 PSF

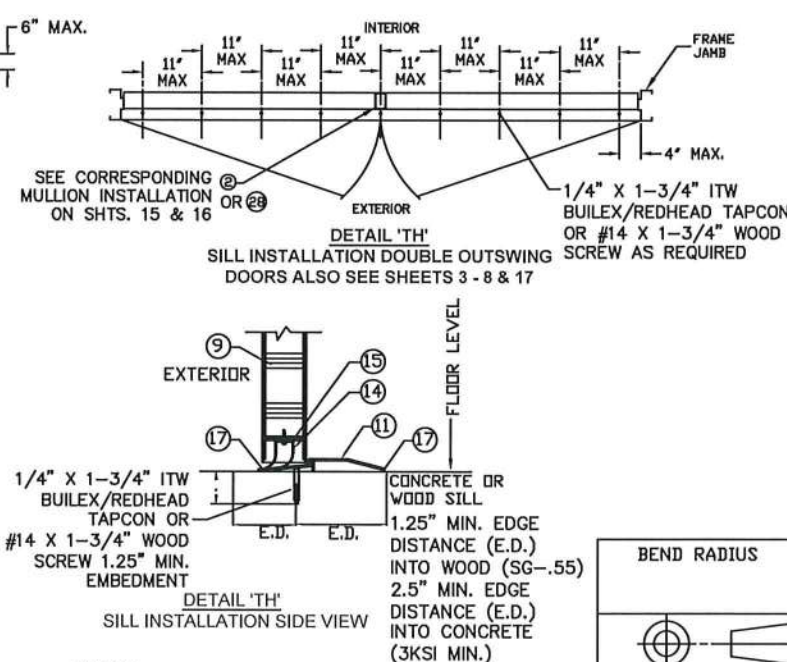
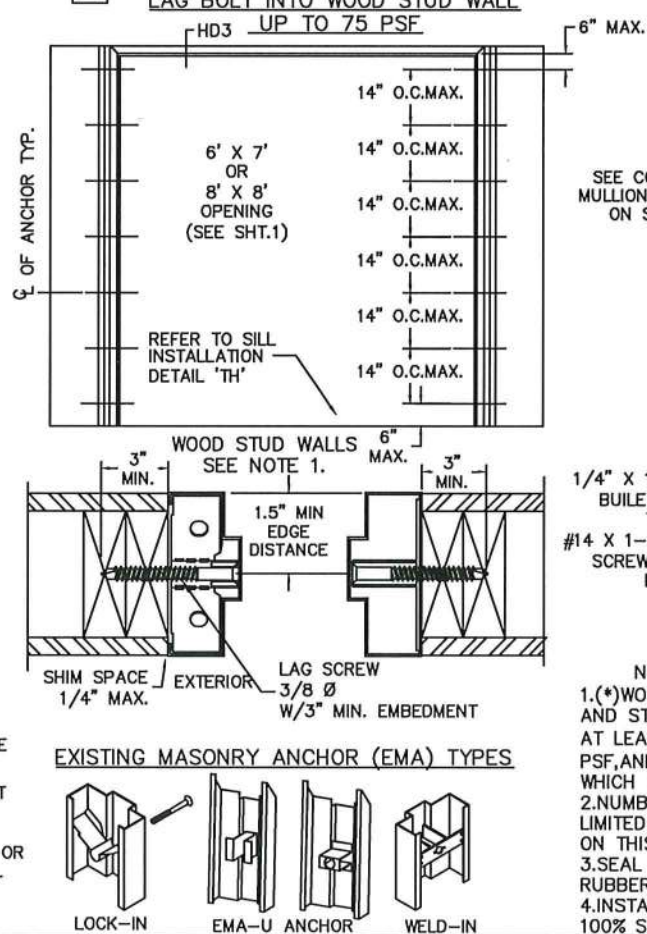


**PRODUCT RENEWED**  
as complying with the Florida  
**Building Code**  
**NOA-No.** 22-0427.02  
**Expiration Date** 05/05/2028  
**By** Isaac L. Chande  
**Miami-Dade Product Control**

**D** EXISTING MASONRY ANCHOR (EMA) INTO  
CONCRETE WALL OR CMU UP TO 75 PSF



**E** EXISTING MASONRY ANCHOR (EMA) WITH  
LAG BOLT INTO WOOD STUD WALL  
-HD3 UP TO 75 PSF

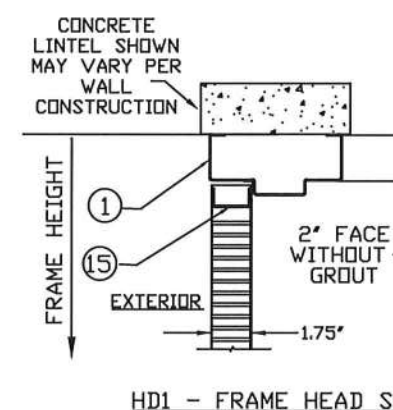


NOTES:

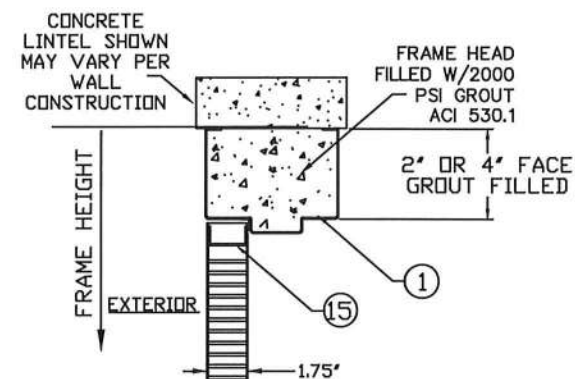
1. (\*)WOOD OR (\*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF, AND 375#/FT. FOR ASSEMBLIES RATED @ 90 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS 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.

## REVISIONS

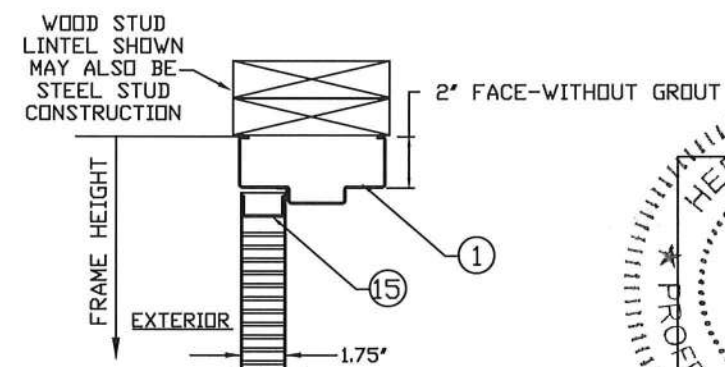
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F	REVISED DWG	YMF	05/30/08	
G	REVISED PER_MDBCCD	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED DWG	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	02/10/17	
O	ADDRESS UPDATE	SM	02/27/20	
P	2020 FBC UPDATE	NUS	07/07/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	



## HD1 - FRAME HEAD SECTION

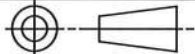


HD2 - FRAME HEAD SECTION



### HD3 - FRAME HEAD SECTION

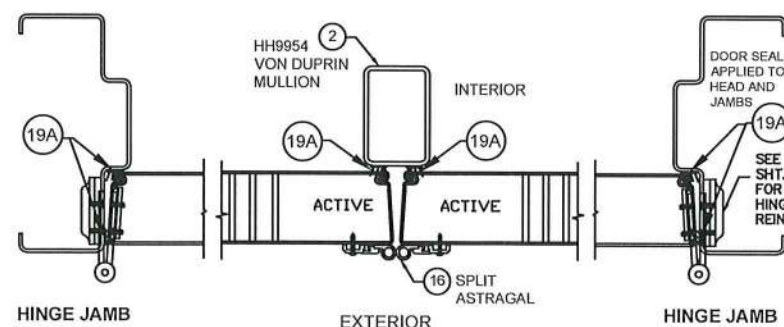
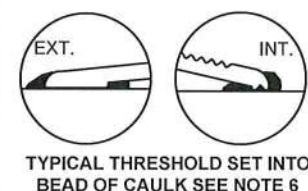
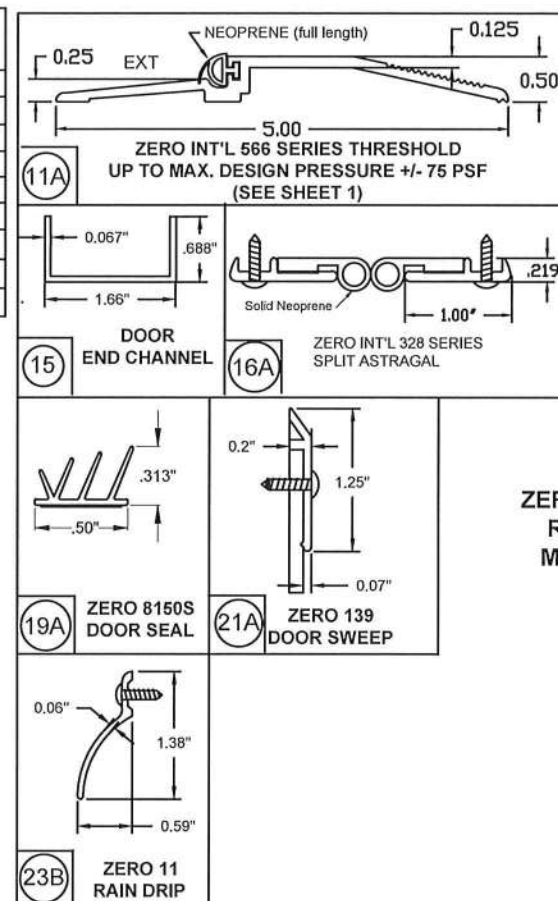
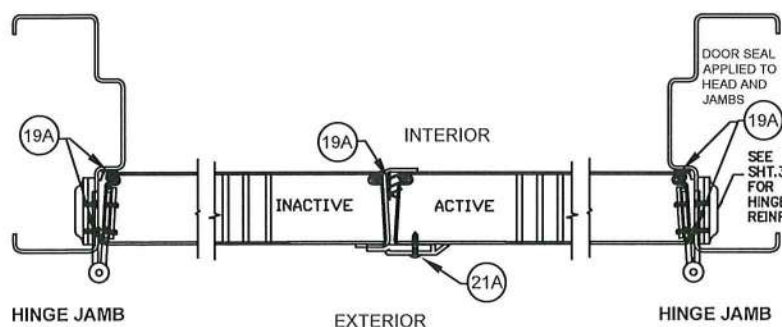
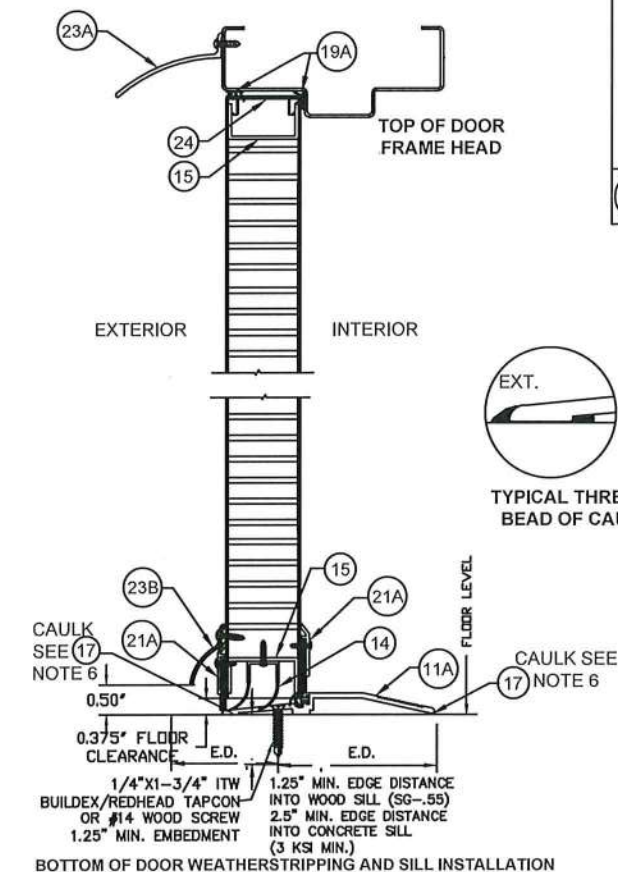


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	ANCHOR DETAILS / INSTALLATION CONDITIONS			
CHECKED		FOR ASSEMBLIES WITH A DESIGN PRESSURE RATING OF 75 PSF OR LESS			
APPROVED		SIZE	FLAT	DWG NO.	REV
				IRFD07	Q
ENG. APPVL JPD	10/12/07	SCALE	NTS	AUTOCAD	SHEET 4 OF 17

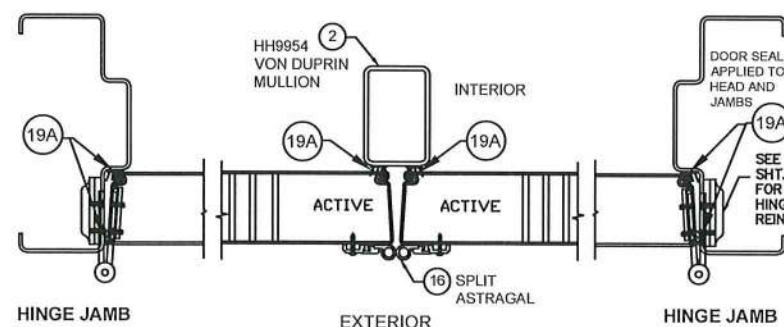
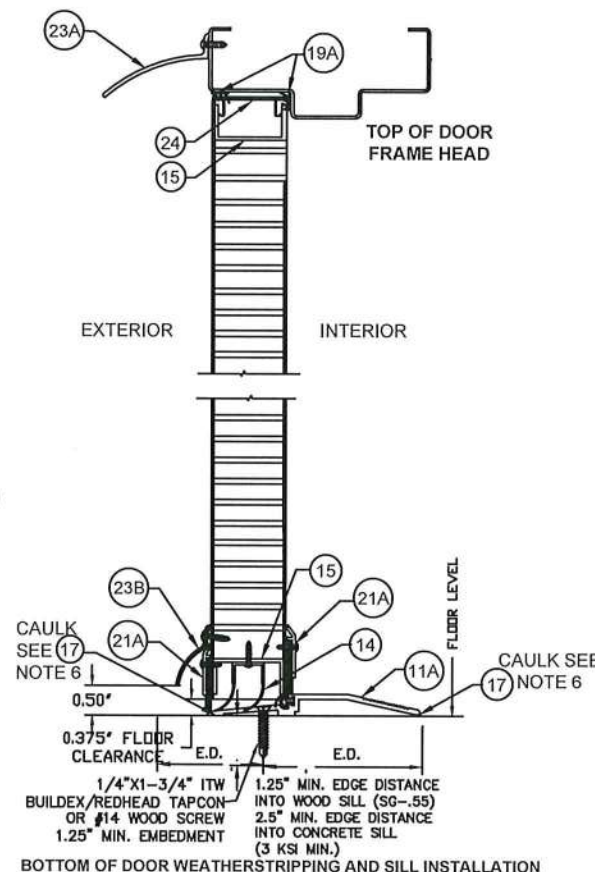


ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
11A	566 THRESHOLD	ZERO INT'L
14	FAS-SEAL SWEEP	STEELCRAFT
15	END CHANNEL	STEELCRAFT
16A	328 SPLIT ASTRAGAL	ZERO INT'L
19A	8150S DOOR SEAL	ZERO INT'L
21A	139 DOOR SWEEP	ZERO INT'L
23A	142 RAIN DRIP	ZERO INT'L
23B	11 RAIN DRIP	ZERO INT'L
24	DOOR TOP CAP	STEELCRAFT

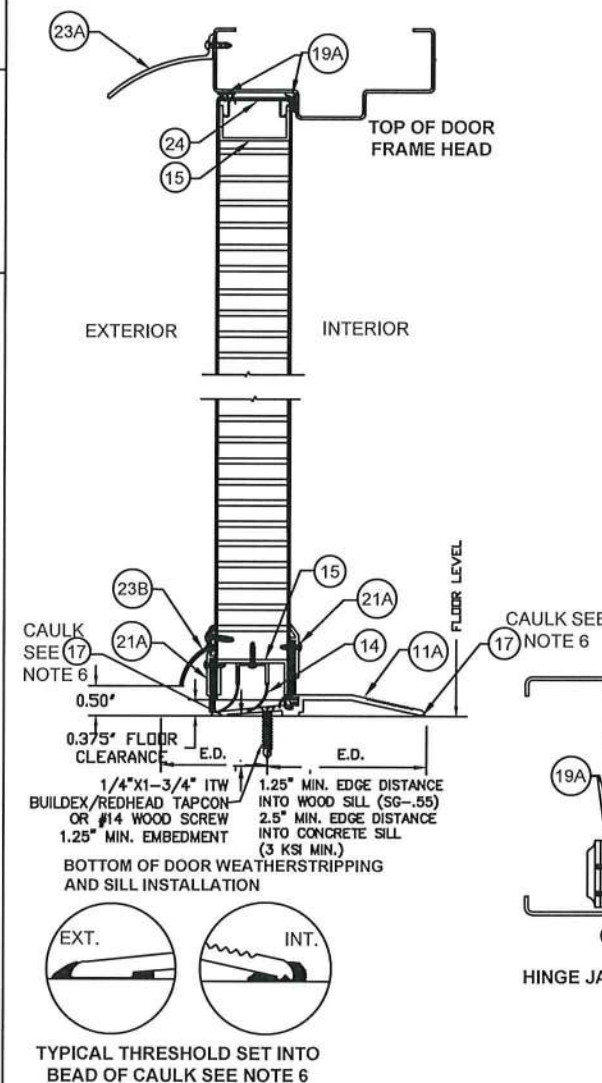
FOR CONFIGURATIONS:  
1, 1A, 2, 3 & 4 (SEE ELEVATIONS SHEET 1)



FOR CONFIGURATIONS:  
5, 6, 9, & 11 (SEE ELEVATIONS SHEET 1)

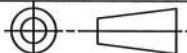


FOR CONFIGURATIONS:  
7 & 8 (SEE ELEVATIONS SHEET 1)



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) 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		MANUFACTURING FACILITY	
THIRD ANGLE PROJECTION				11819 N. PENNSYLVANIA STREET		STEELCRAFT	
DRAWN YMF		DATE 05/20/07		CARMEL, IN 46032		9017 BLUE ASH ROAD	
CHECKED				CINCINNATI, OH 45242			
APPROVED				TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AN			
ENG. APPVL JPD		10/11/07		WITHOUT PANIC EXIT DEVICES			
		SIZE		FLAT		DWG NO.	
						IRFD07	
		SCALE		NTS		REV	
				AUTOCAD		Q	
						SHEET	
						5 of 17	

R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07	
E	REVISED DWG	YMF	04/09/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED DWG	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED DWG	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	02/03/17	
Q	ADDRESS UPDATE	SM	02/27/20	
P	2020 FBC UPDATE	NUS	07/07/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0427.02

**Expiration Date** 05/05/2028

By Ishaq I. Chande  
Miami-Dade Product Control

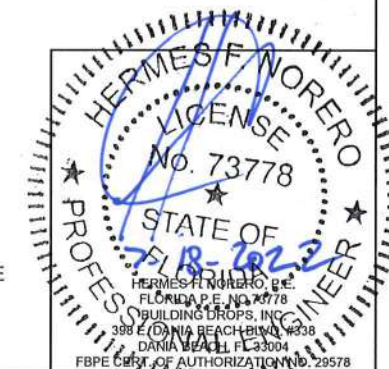
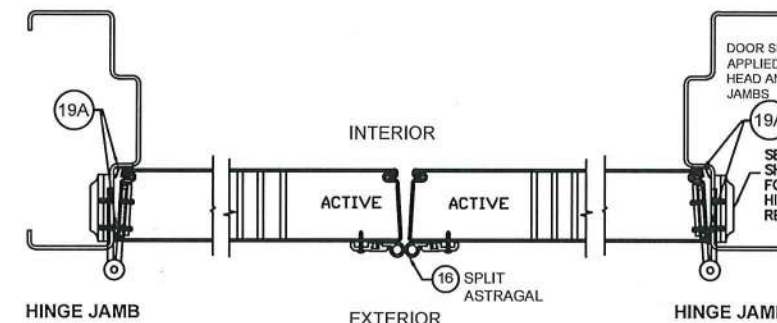




TABLE 3.2 WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLD 566

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
11A	566 THRESHOLD	ZERO INT'L
14	FAS-SEAL SWEEP	STEELCRAFT
15	END CHANNEL	STEELCRAFT
19B	188S DOOR SEAL	ZERO INT'L
21A	139 DOOR SWEEP	ZERO INT'L
21B	328 DOOR SWEEP	ZERO INT'L
22A	475 ADJUSTABLE SEAL	ZERO INT'L
23A	142 RAIN DRIP	ZERO INT'L
23B	11 RAIN DRIP	ZERO INT'L
24	DOOR TOP CAP	STEELCRAFT

ZERO INT'L 566 THRESHOLD GASKETING SYSTEM  
REQUIREMENTS FOR WATER INFILTRATION -  
MAXIMUM DESIGN PRESSURE RATING 70 PSF -  
(SEE CONFIGURATION 10, ELEVATIONS SHEET 1)

FOR CONFIGURATION:  
10 (SEE ELEVATIONS SHEET 1)

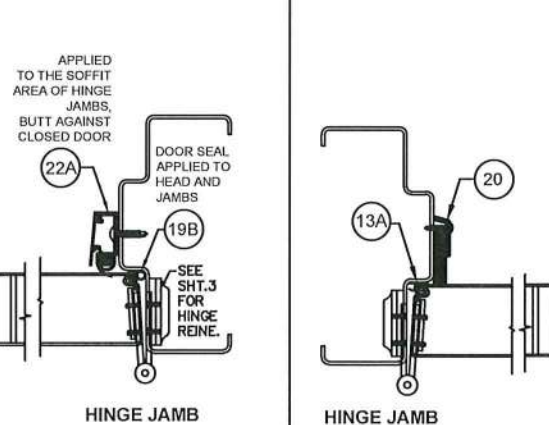
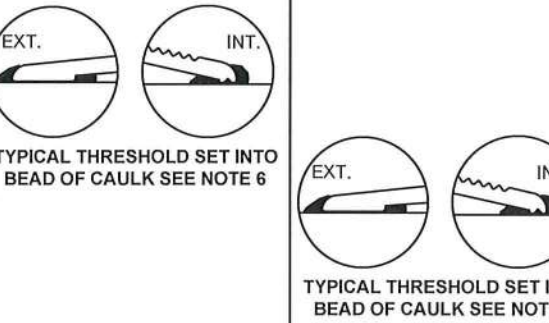
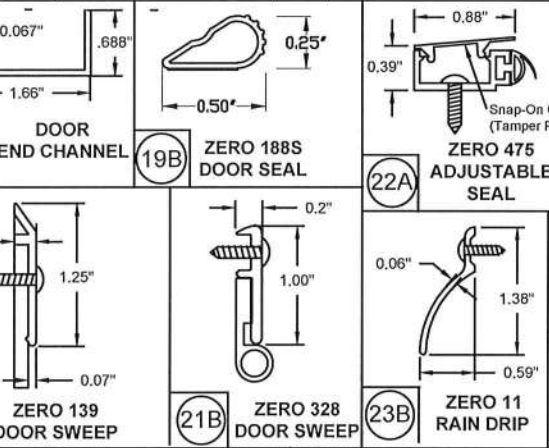
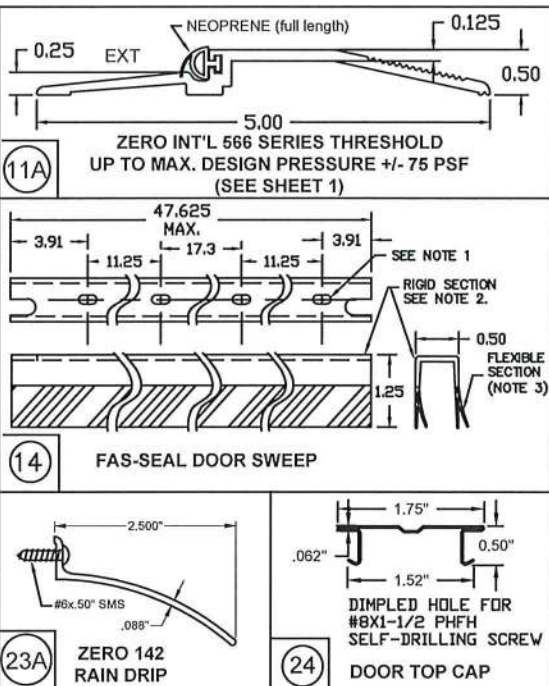
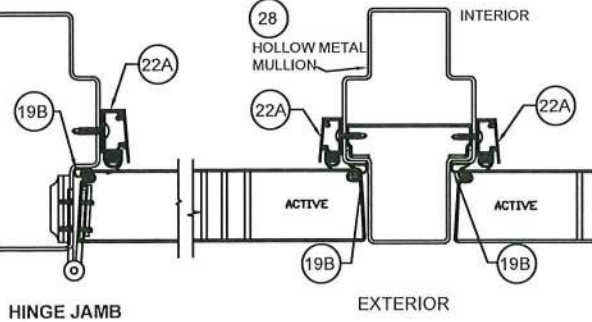
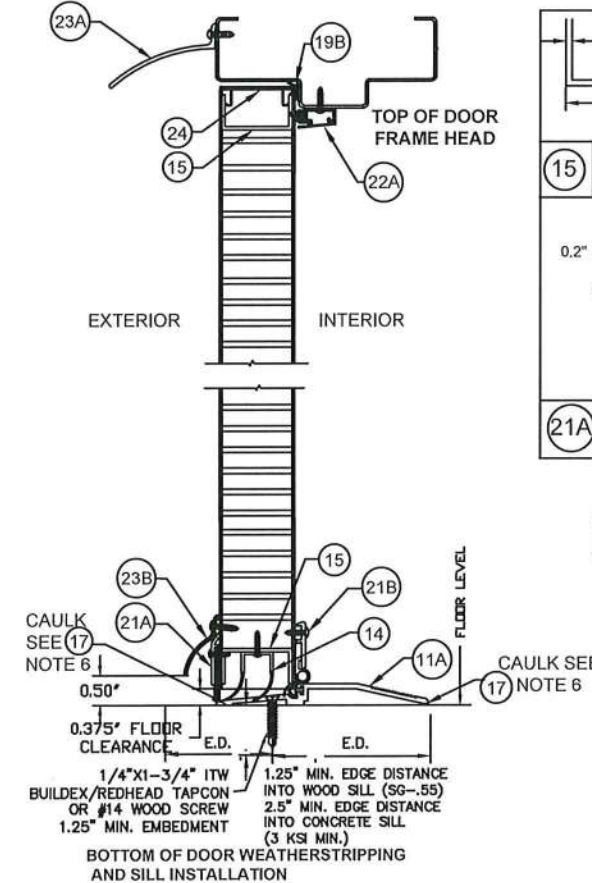
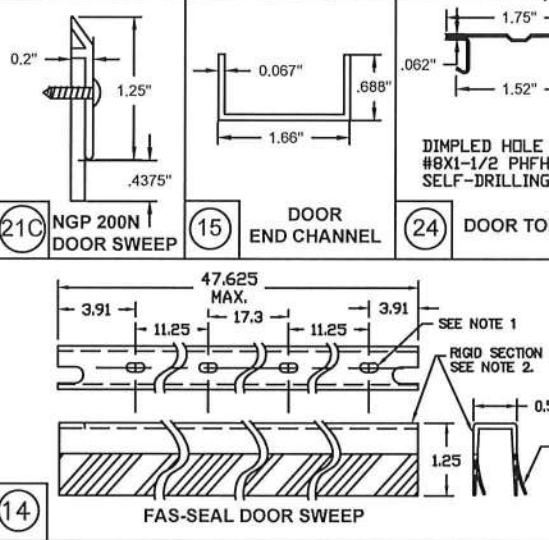
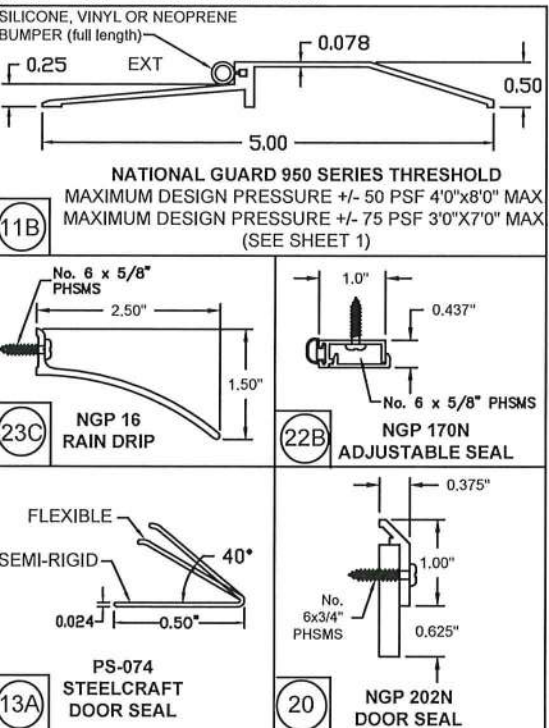
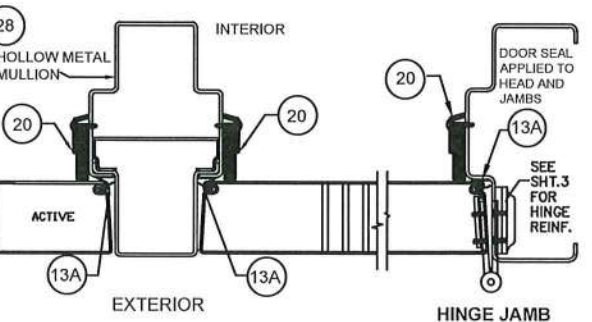
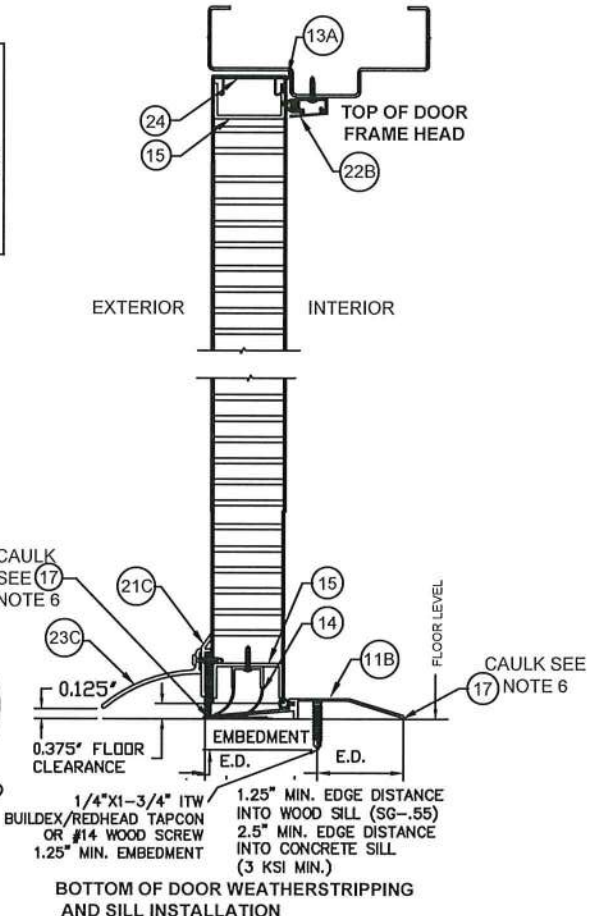


TABLE 3.3 WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
11B	950 THRESHOLD	NGP
14	FAS-SEAL SWEEP	STEELCRAFT
15	END CHANNEL	STEELCRAFT
13A	PS074 DOOR SEAL	STEELCRAFT
20	202N DOOR SEAL	NGP
21C	200N DOOR SWEEP	NGP
22B	170N ADJUSTABLE SEAL	NGP
23C	16A RAIN DRIP	NGP
24	DOOR TOP CAP	STEELCRAFT

NGP 950 THRESHOLD GASKETING SYSTEM  
REQUIREMENTS FOR WATER INFILTRATION -  
MAXIMUM DESIGN PRESSURE RATING ±70 PSF FOR  
MAXIMUM DOOR SIZE OF 3'-0" X 7'-0"  
MAXIMUM DESIGN PRESSURE +50/-70 PSF FOR  
MAXIMUM DOOR SIZE OF 4'-0" X 8'-0"  
(SEE CONFIGURATION 10, ELEVATIONS SHEET 1)

FOR CONFIGURATION:  
10 (SEE ELEVATIONS SHEET 1)

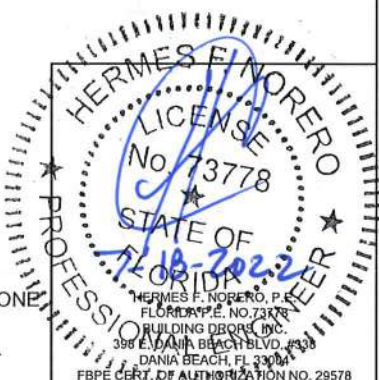


- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
  2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
  3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
  4. FAS-SEAL DOOR SWEEP (14), AND THRESHOLD (11A OR 11B) AS APPLICABLE ARE REQUIRED FOR ALL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

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

REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	REVISED DWG	YMF	05/20/07	
E	REVISED DWG	YMF	04/09/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED DWG	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED DWG	YMF	04/06/10	
K	REVISED DWG	JPD	11/01/13	
L	REVISED NAME	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	02/03/17	
O	ADDRESS UPDATE	SM	02/27/20	
P	2020 FBC UPDATE	NUS	07/07/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	

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Miami-Dade Product Control

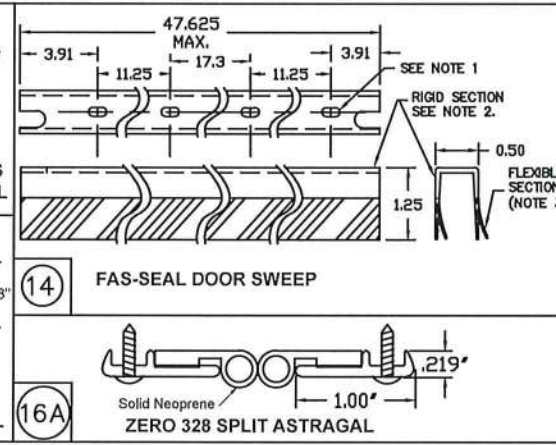
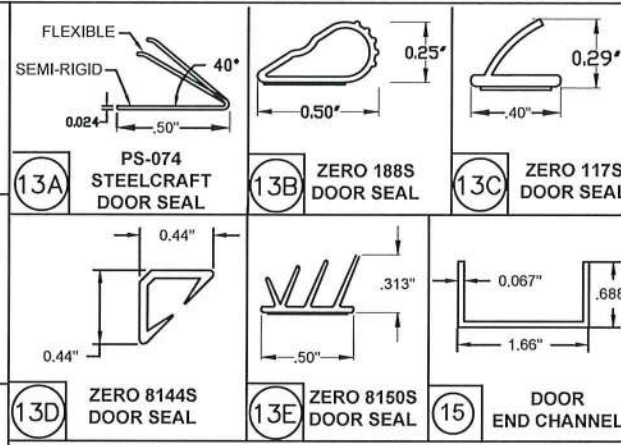
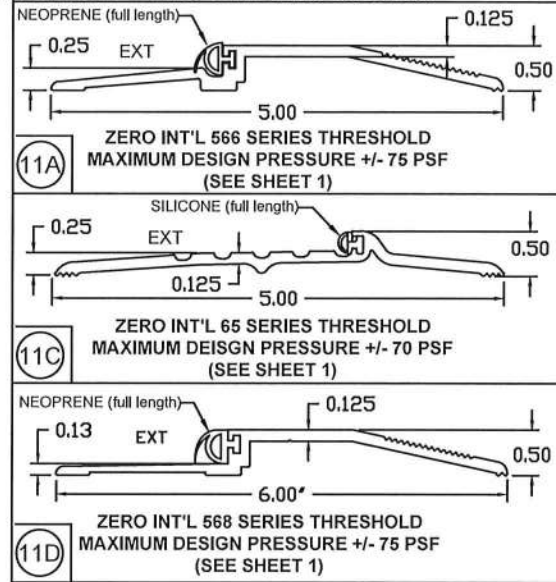


SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES		DOUBLE FLUSH DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS REQUIRED	
SIZE FLAT	DWG NO. IRFD07	REV Q	
SCALE NTS	AUTOCAD	SHEET 6 of 17	



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

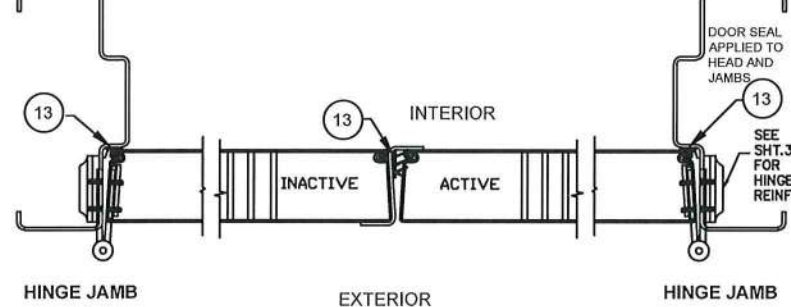
ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
11	11A 566 THRESHOLD	ZERO INT'L
	11C 65 THRESHOLD	ZERO INT'L
	11D 568 THRESHOLD	ZERO INT'L
13	13A PS074 DOOR SEAL	STEELCRAFT
	13B 188S DOOR SEAL	ZERO INT'L
	13C 117S DOOR SEAL	ZERO INT'L
	13D 8144S DOOR SEAL	ZERO INT'L
	13E 8150S DOOR SEAL	ZERO INT'L
14	FAS-SEAL SWEEP	STEELCRAFT
15	END CHANNEL	STEELCRAFT
16A	328 SPLIT ASTRAGAL	ZERO INT'L



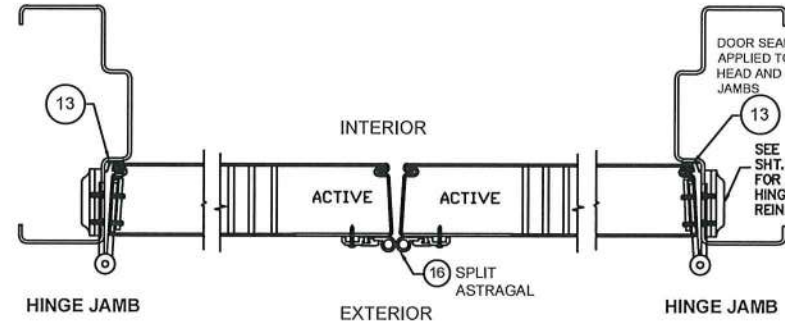
REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
E	REVISED DWG	YMF	04/09/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED DWG	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED DWG	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	02/03/17	
P	2020 FBC UPDATE	NUS	07/07/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	

ZERO INT'L 566, 65 AND 568 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED MAXIMUM DESIGN PRESSURE RATING 75 PSF - EXCEPT CONFIGURATION 10 LIMITED TO 70 PSF MAXIMUM DOOR SIZE 4'-0" X 8'-0" (SEE ELEVATIONS SHEET 1)

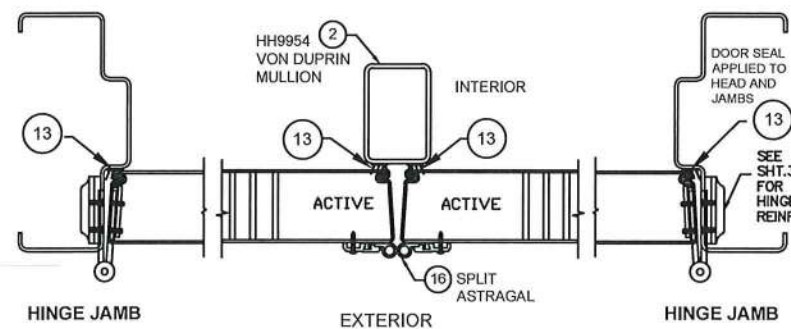
FOR CONFIGURATIONS: 1, 1A, 2, 3 & 4 (SEE ELEVATIONS SHEET 1)



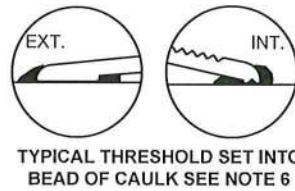
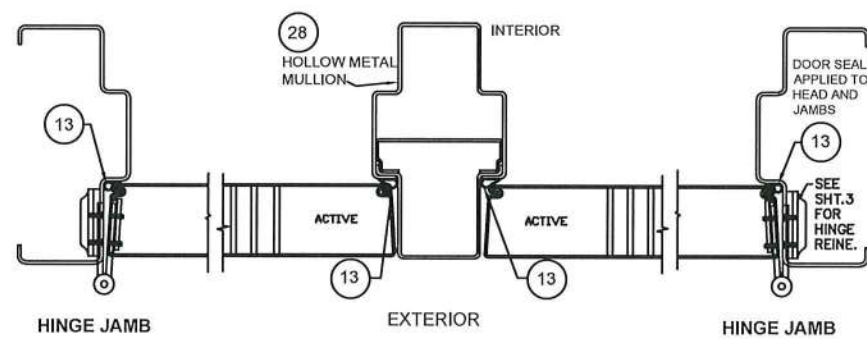
FOR CONFIGURATIONS: 7 & 8 (SEE ELEVATIONS SHEET 1)



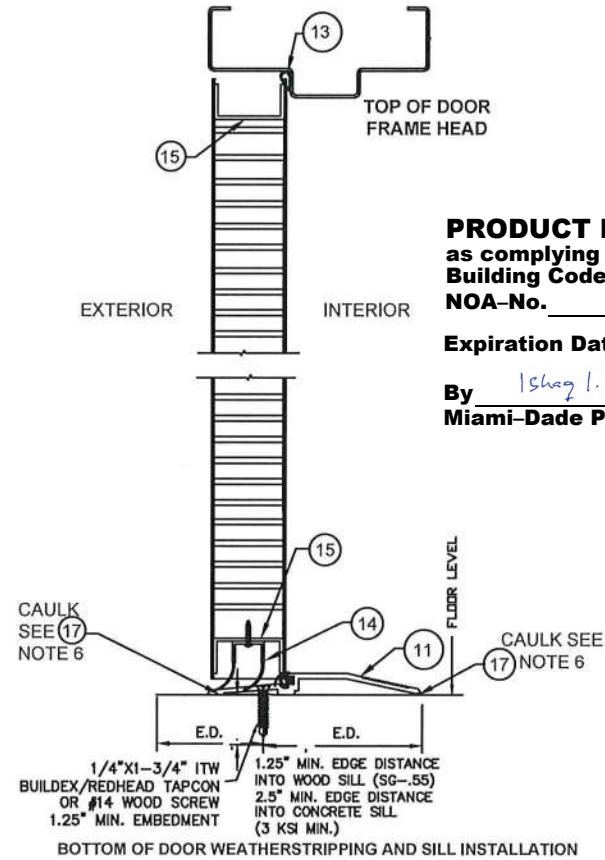
FOR CONFIGURATIONS: 5, 6, 9, & 11 (SEE ELEVATIONS SHEET 1)



FOR CONFIGURATION: 10 (SEE ELEVATIONS SHEET 1)



ALL CONFIGURATIONS



**PRODUCT RENEWED**  
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Expiration Date 05/05/2028  
By Ishaq I. Chande  
Miami-Dade Product Control



- 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, 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

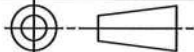
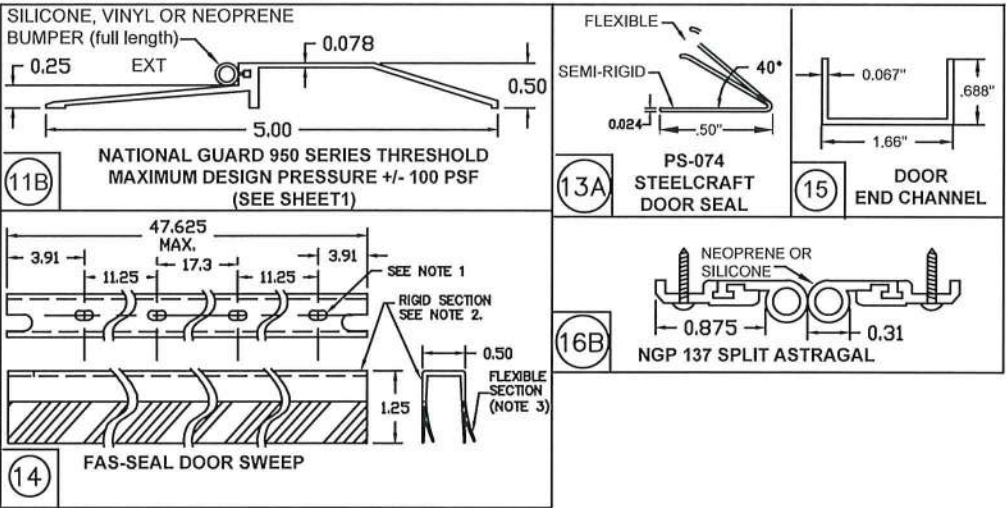
BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION				TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	DOUBLE FLUSH DOOR PERIMETER SEAL ZERO INT'L HARDWARE APPROVED WHERE WATER INFILTRATION IS <u>NOT</u> REQUIRED					
CHECKED							
APPROVED		SIZE FLAT	DWG NO. IRFD07			REV Q	
ENG. APPVL JPD	10/11/07	SCALE NTS	AUTOCAD			SHEET 7 of 17	



TABLE 4.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD

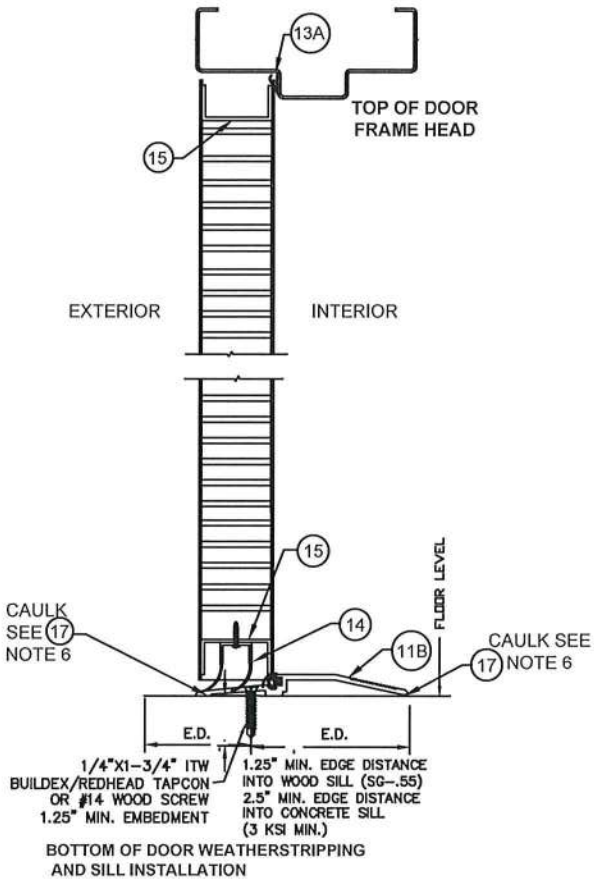
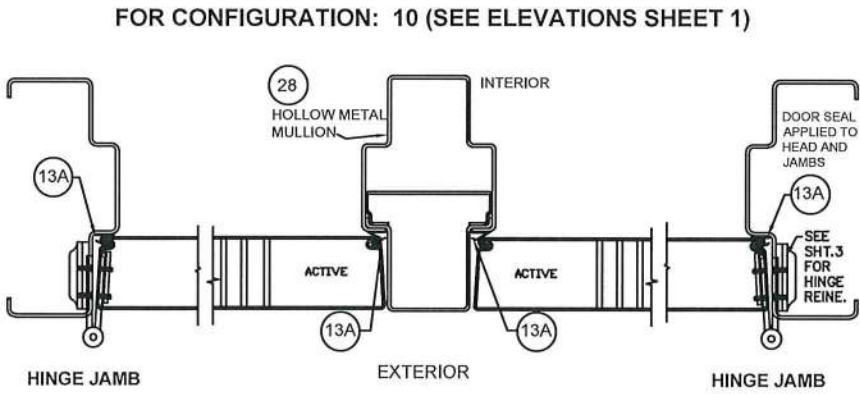
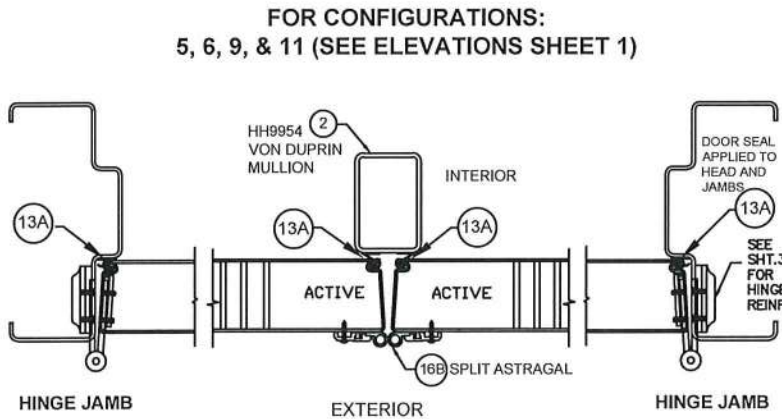
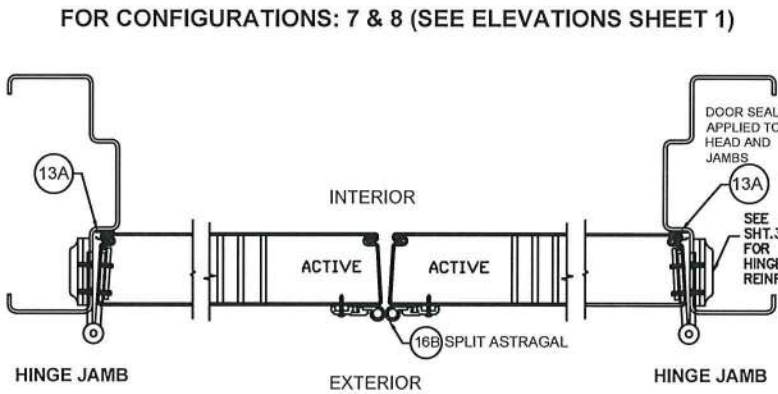
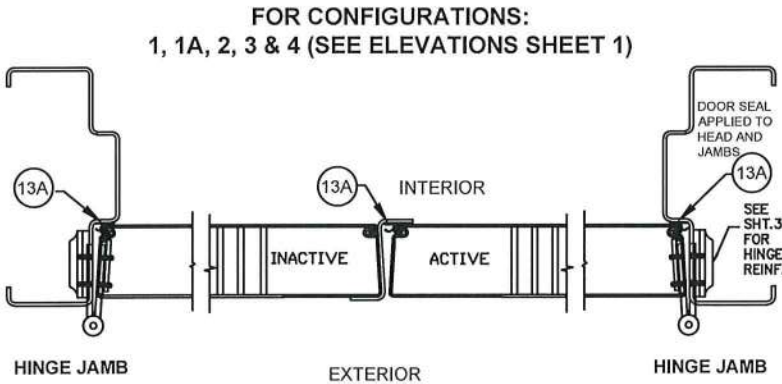
ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
11B	950 THRESHOLD	NGP
13A	PS074 DOOR SEAL	STEELCRAFT
14	FAS-SEAL SWEEP	STEELCRAFT
15	END CHANNEL	STEELCRAFT
16B	137 SPLIT ASTRAGAL	NGP

NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED -  
MAXIMUM DESIGN PRESSURE 90 PSF FOR MAXIMUM DOOR SIZE OF 4'-0" X 8'-0"  
EXCEPT CONFIGURATION 10 LIMITED TO MAX 70 PSF (SEE ELEVATIONS SHEET 1)

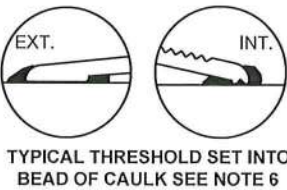


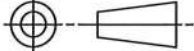
**PRODUCT RENEWED**  
as complying with the Florida Building Code  
NOA-No. 22-0427.02  
Expiration Date 05/05/2028  
By *Ishay L. Chan*  
Miami-Dade Product Control

REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
E	REVISED DWG	YMF	04/09/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED DWG	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED DWG	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	02/03/17	
O	ADDRESS UPDATE	SM	02/27/20	
P	2020 FBC UPDATE	NUS	07/07/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	



- 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) AND THRESHOLD (11B) 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 DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	DOUBLE FLUSH DOOR PERIMETER NGP SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS <u>NOT</u> REQUIRED			
CHECKED					
APPROVED		SIZE FLAT	DWG NO. IRF D07		REV Q
ENG. APPVL JPD	10/11/07	SCALE NTS	AUTOCAD	SHEET 8 of 17	



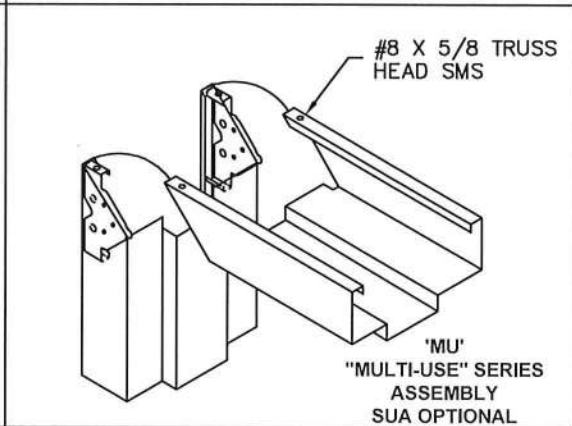
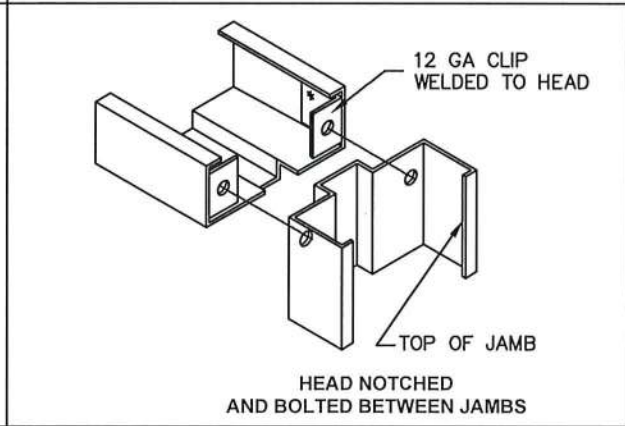
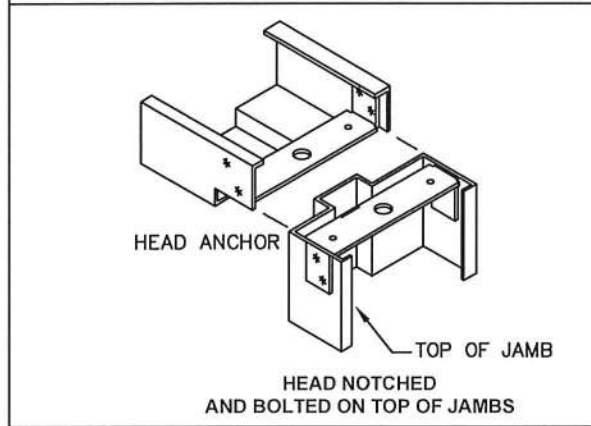
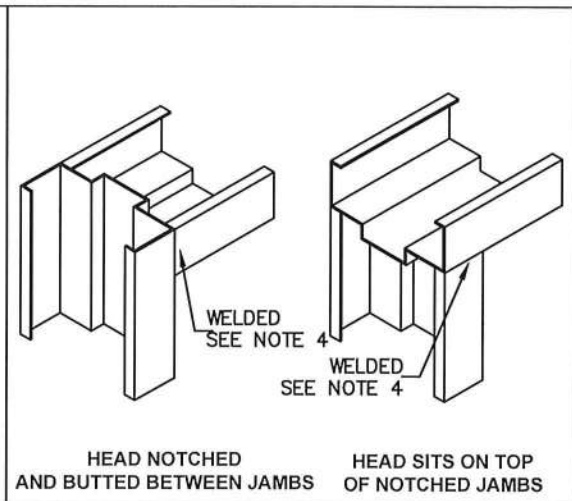
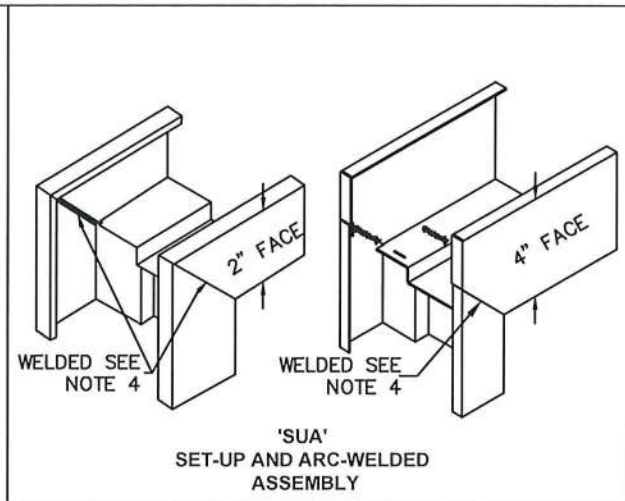
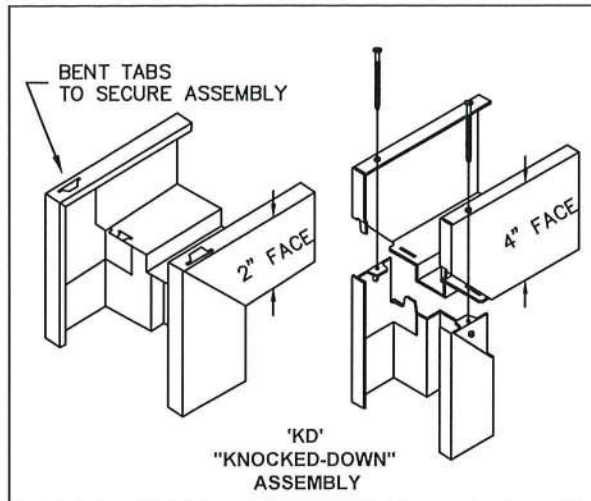


TABLE 7. STEEL MECHANICAL PROPERTIES

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: 304,306	A240		

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Miami-Dade Product Control

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF 05/20/07	
F	REVISED DWG	YMF 06/02/08	
G	REVISED PER_MDBCCO	YMF 02/06/09	
H	REVISED DWG	YMF 03/18/09	
J	REVISED DWG	YMF 04/06/10	
K	REVISED NAME	JPD 11/01/13	
L	REVISED DWG	JPD 02/01/15	
M	REVISED DWG	JPD 02/01/15	
N	ENGINEER CHANGE	LA 03/10/17	
O	ADDRESS UPDATE	SM 02/27/20	
P	2020 FBC UPDATE	NUS 07/07/20	
Q	ANCHOR/STRIKE UPDATE	LL 04/11/22	

TABLE 6. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

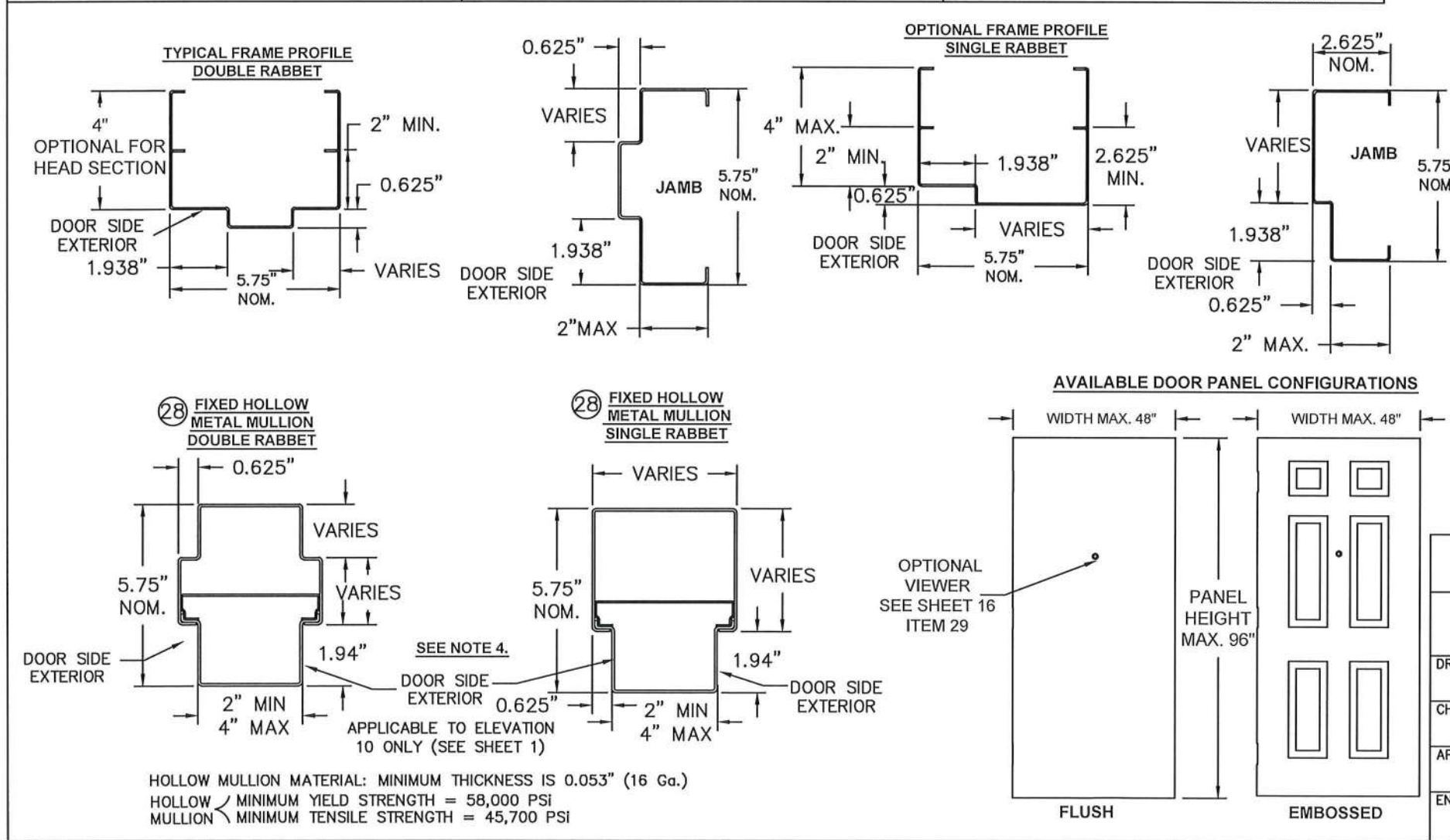
FRAME SERIES	JAMB DEPTH	MAX. OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" NOM.	8'0"	8'0"	CRS/HRS GALV	16/.053" 14/.067" 12/.099"
				STAINLESS STEEL	16/.053"
MU	5.75" NOM.	8'0"	8'0"	CRS/HRS GALV	16/.053" 14/.067"

TABLE 5. AVAILABLE STEELCRAFT DOOR CONFIGURATIONS

CORE MATERIAL PER SHT.13	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"

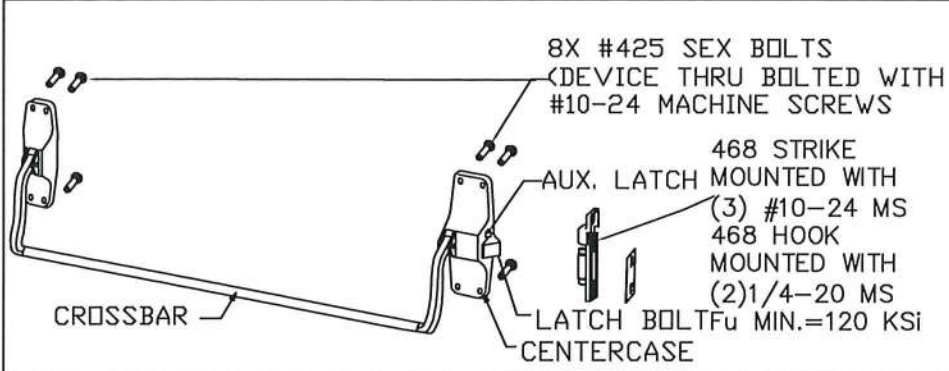
NOTES:

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

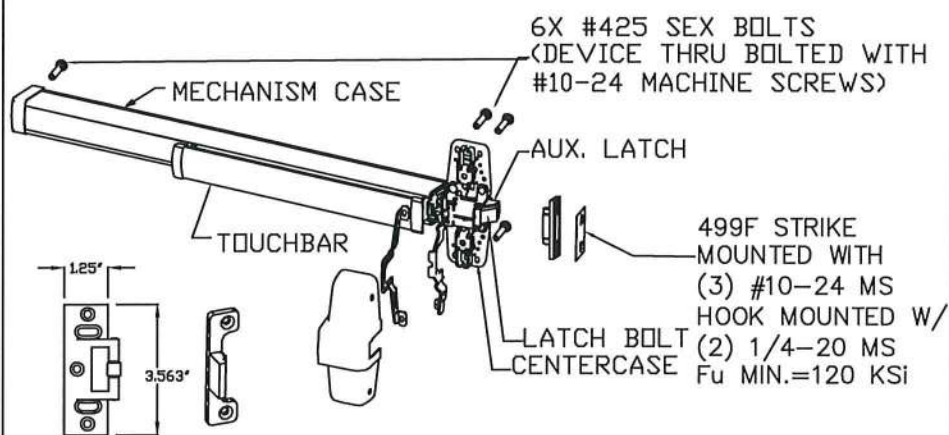


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF		DATE 05/20/07			
CHECKED		FRAME PROFILE, CORNER DETAILS AND DOOR FRAME MATERIAL, AND SIZE OPTIONS			
APPROVED		SIZE	FLAT	DWG NO.	REV
ENG. APPVL JPD		SCALE: NTS		AUTOCAD	IRFD07 Q
10/12/07		SHEET 9 OF 17			

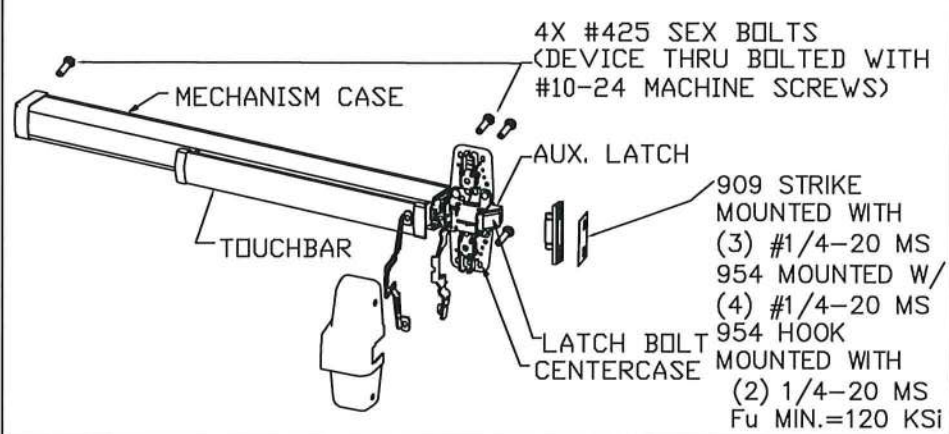




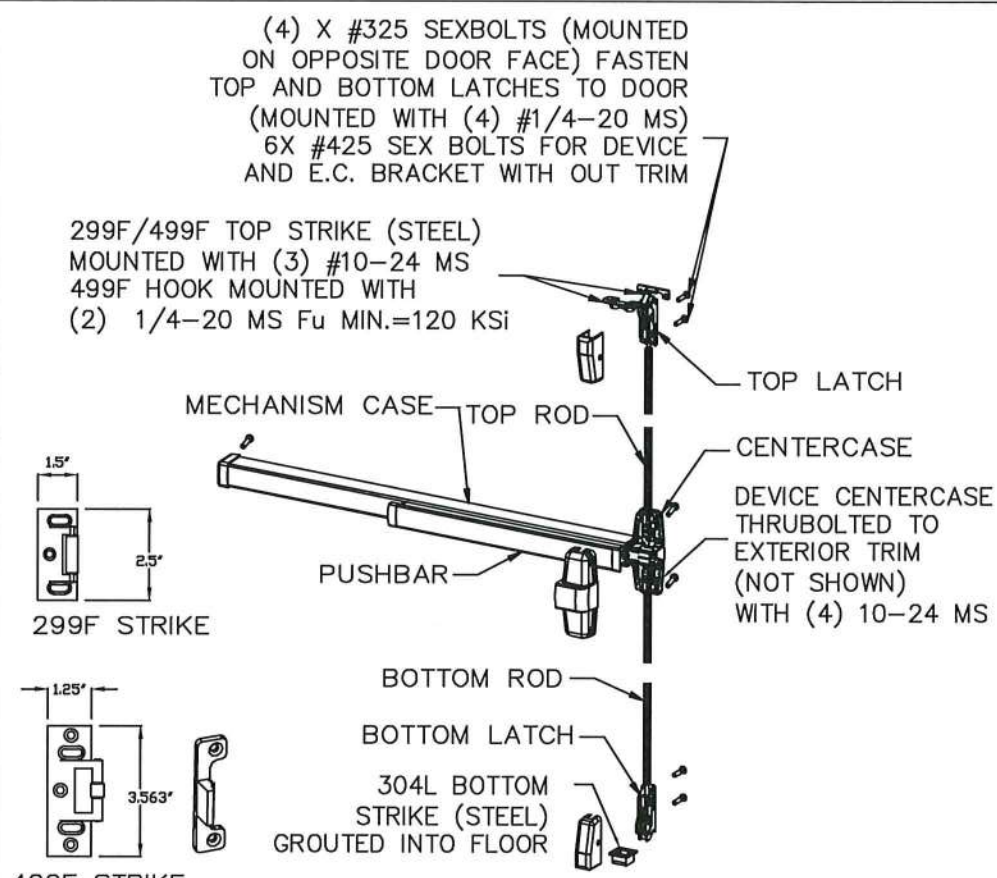
RIM EXIT DEVICE VON DUPRIN 88-F  
USED IN DOOR CONFIGURATION: 6



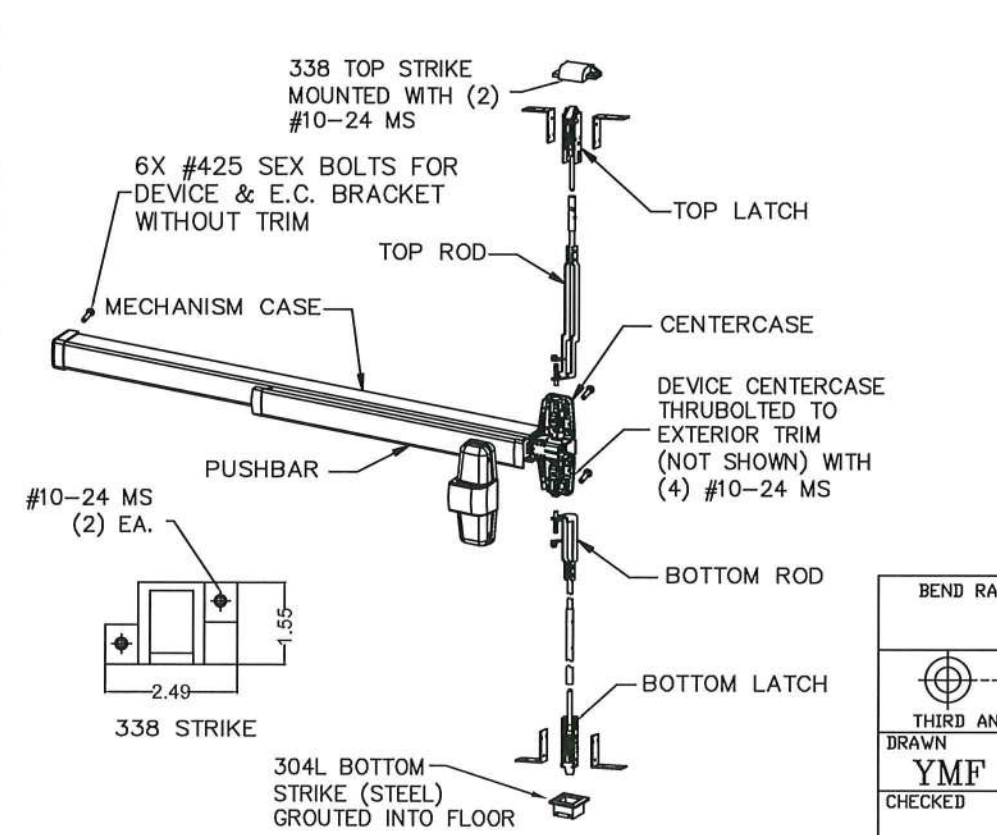
RIM EXIT DEVICE VON DUPRIN 98, 99, 98-F & 99-F  
USED IN DOOR CONFIGURATION: 6



RIM EXIT DEVICE VON DUPRIN XP98, XP99, XP98-F & XP99-F  
USED IN DOOR CONFIGURATION: 5

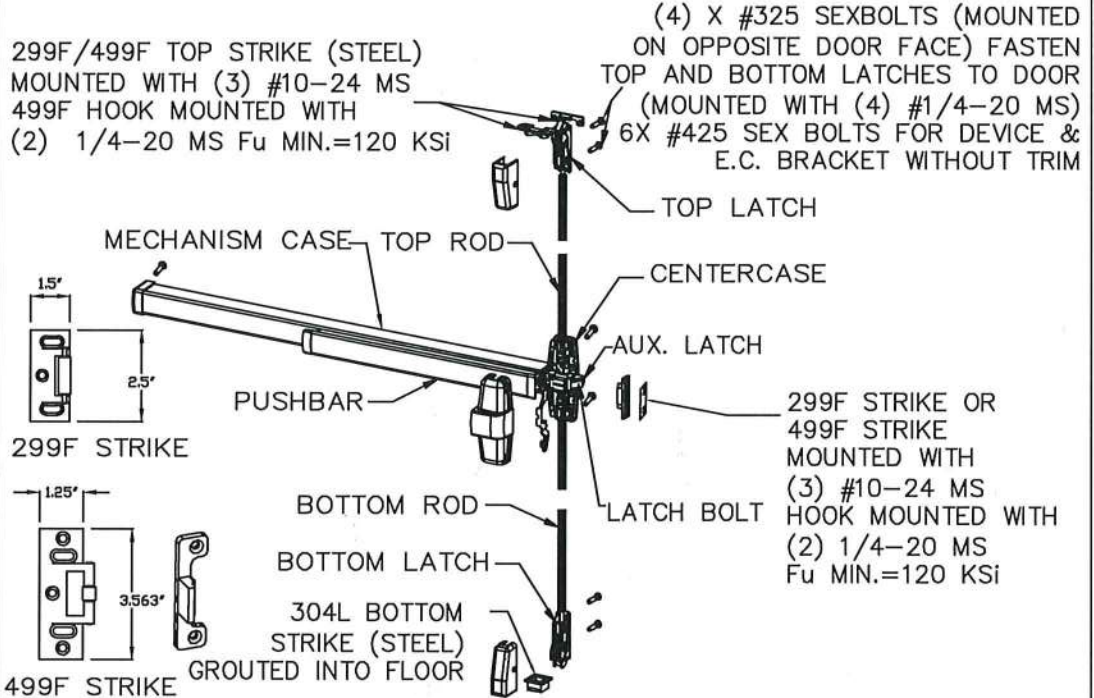


SURFACE VERTICAL ROD EXIT DEVICE VON DUPRIN 9827, 9927, 9827-F & 9927-F  
USED IN DOOR CONFIGURATION: 7



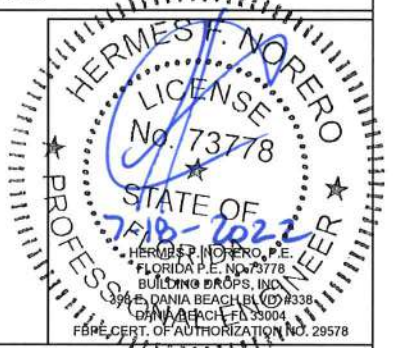
VON DUPRIN 98/9947-F, HH98/9947 CONCEALED VERTICAL ROD EXIT  
DEVICE USED IN CONFIGURATION: 8

REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
F	REVISED DWG YMF	06/02/08		
G	REVISED PER_MDBCCD YMF	02/06/09		
H	REVISED DWG YMF	03/18/09		
J	REVISED PER_MDBCCD YMF	04/06/10		
K	REVISED NAME JPD	11/01/13		
L	REVISED DWG JPD	02/01/15		
M	REVISED DWG JPD	05/05/15		
N	ENGINEER CHANGE LA	03/10/17		
O	ADDRESS UPDATE SM	02/27/20		
P	2020 FBC UPDATE NUS	07/07/20		
Q	ANCHOR/STRIKE UPDATE LL	04/06/20		

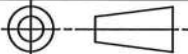


THREE-POINT EXIT DEVICE VON DUPRIN 9857, 9957, 9857-F & 9957-F  
USED IN DOOR CONFIGURATIONS: 9 & 10

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0427.02  
Expiration Date 05/05/2028  
By Ishaq I. Chande  
Miami-Dade Product Control

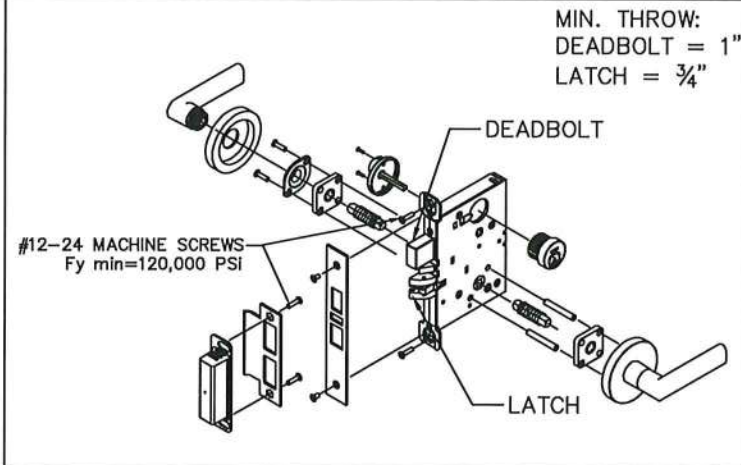
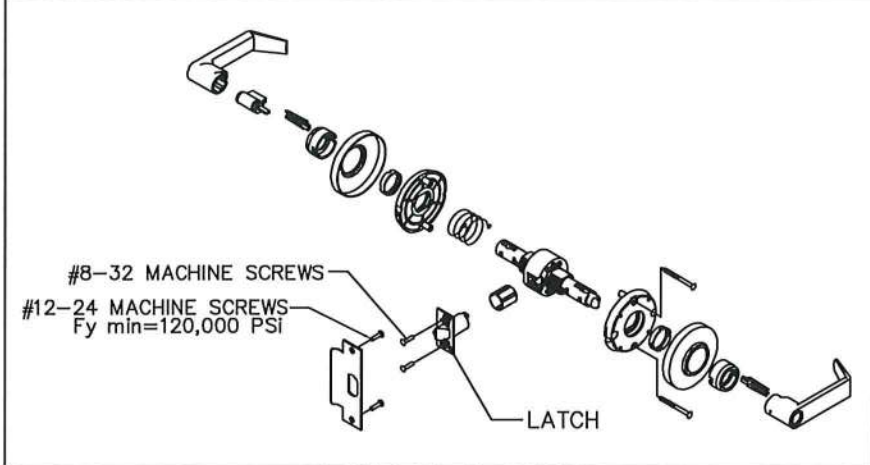


NOTES:  
1. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.  
2. EXIT HARDWARE OPTIONS:  
FOR 98/99 & XP98/99 SERIES - OPTIONS E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN  
TRIM: ALL APPLICABLE TRIMS AVAILABLE.  
FOR 88-F SERIES - OPTION E; TRIM: ALL APPLICABLE TRIMS AVAILABLE. PN MODEL OFFERED.

BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div> <div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>									
<div></div> <div>THIRD ANGLE PROJECTION</div>											
DRAWN YMF		DATE 05/20/07		<div>TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES.</div> <div>EXIT HARDWARE FOR FLUSH DOUBLE DOORS.</div>							
CHECKED		CDATE									
APPROVED		ADATE		SIZE		FLAT		DWG NO. IRFD07		REV Q	
ENG. APPVL JPD		EDATE 10/12/07		SCALE: NTS		AUTOCAD				SHEET 10 OF 17	

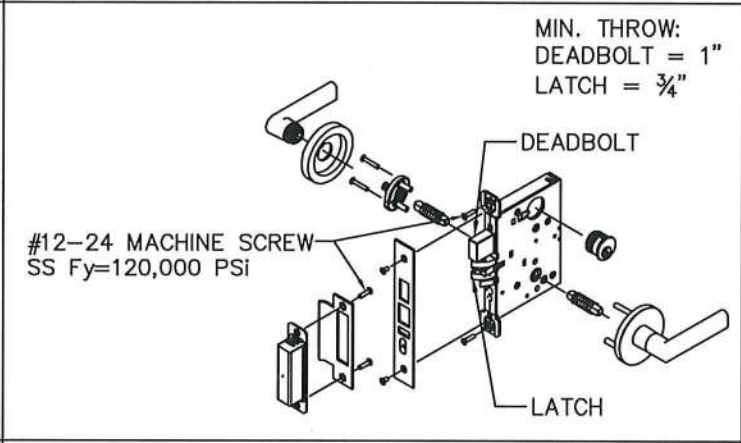
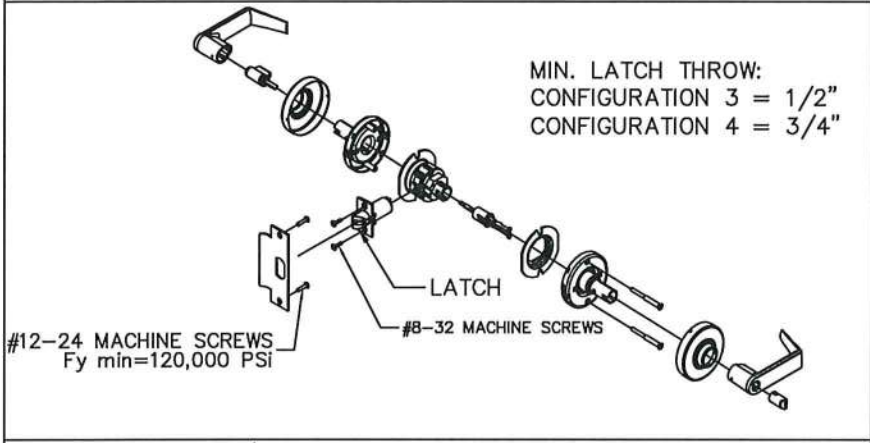
SCHLAGE LOCK COMPANY, LLC  
11819 N. PENNSYLVANIA STREET  
CARMEL, IN 46032  
MANUFACTURING FACILITY:  
STEELCRAFT  
9017 BLUE ASH ROAD  
CINCINNATI, OH 45242  
TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES.  
EXIT HARDWARE FOR FLUSH DOUBLE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





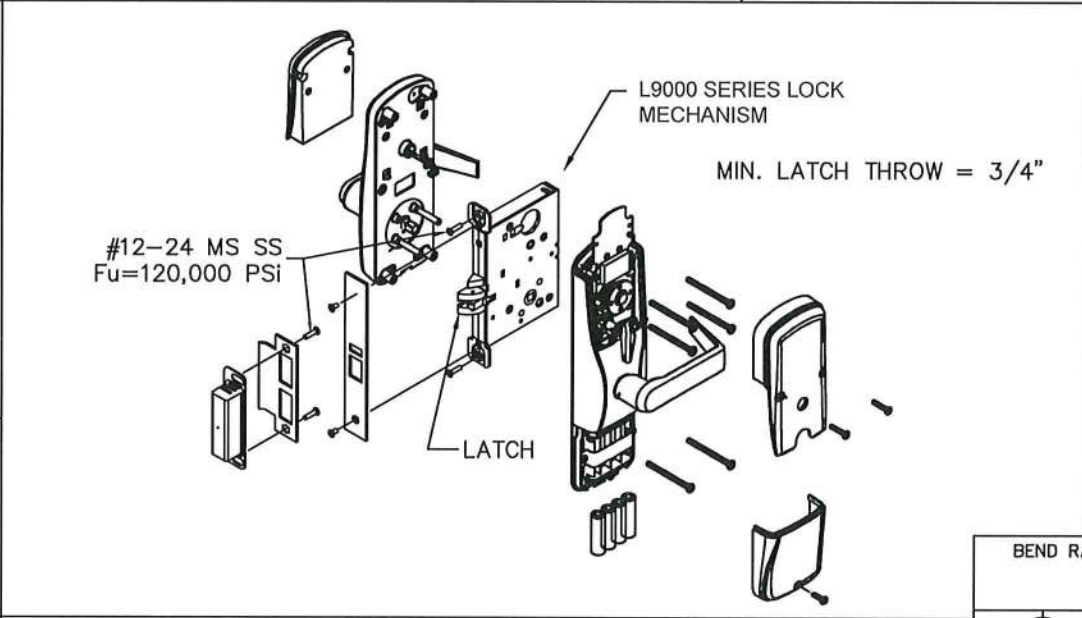
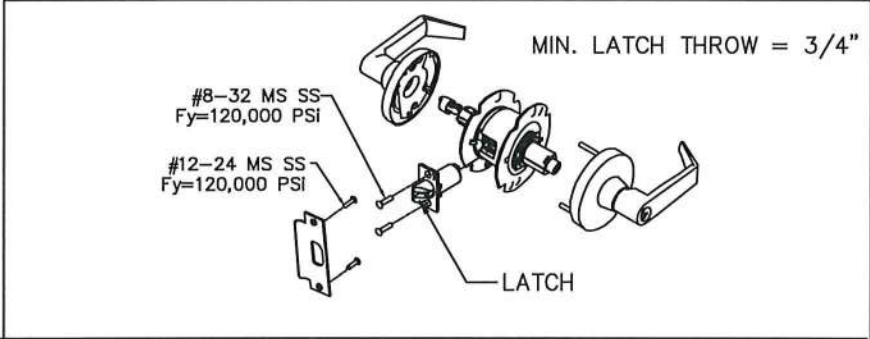
SCHLAGE AL SERIES  
CYLINDRICAL LEVER LOCKSET WITH 1/2" THROW LATCH  
USED IN CONFIGURATION: 2

SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET  
W/ DEADBOLT. USED IN CONFIGURATION: 1



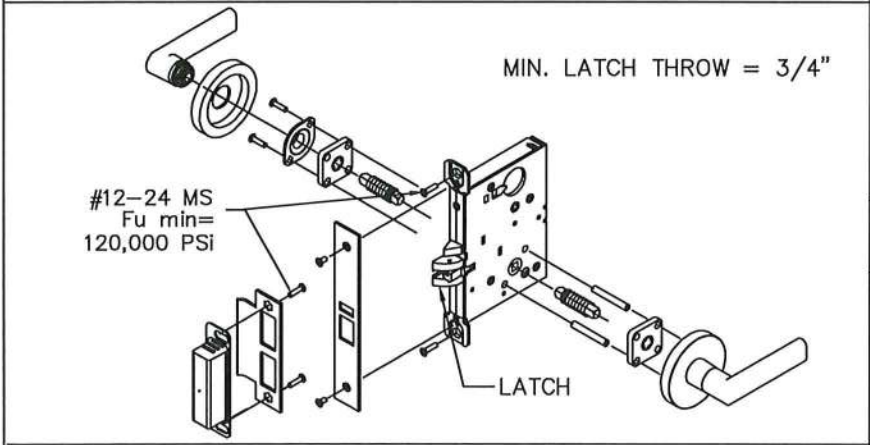
SCHLAGE D/ND-SERIES CYLINDRICAL LEVER LOCKSET.  
USED IN CONFIGURATIONS: 3 & 4

FALCON MA-SERIES MORTISE LOCKSET W/ DEADBOLT  
USED IN CONFIGURATION: 1



FALCON, T-SERIES CYLINDRICAL LEVER LOCKSET  
USED IN CONFIGURATION: 4

SCHLAGE AD/CO MS SERIES MORTISE LOCK WITHOUT DEADBOLT  
USED IN CONFIGURATION: 1A

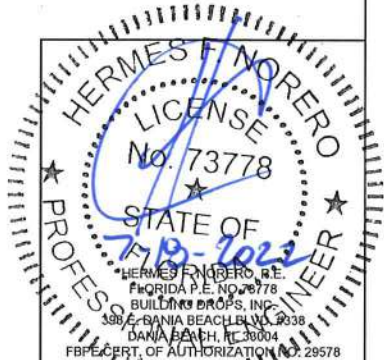


SCHLAGE L/LV 9000 SERIES MORTISE LOCK WITHOUT DEADBOLT  
USED IN CONFIGURATION: 1A

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.

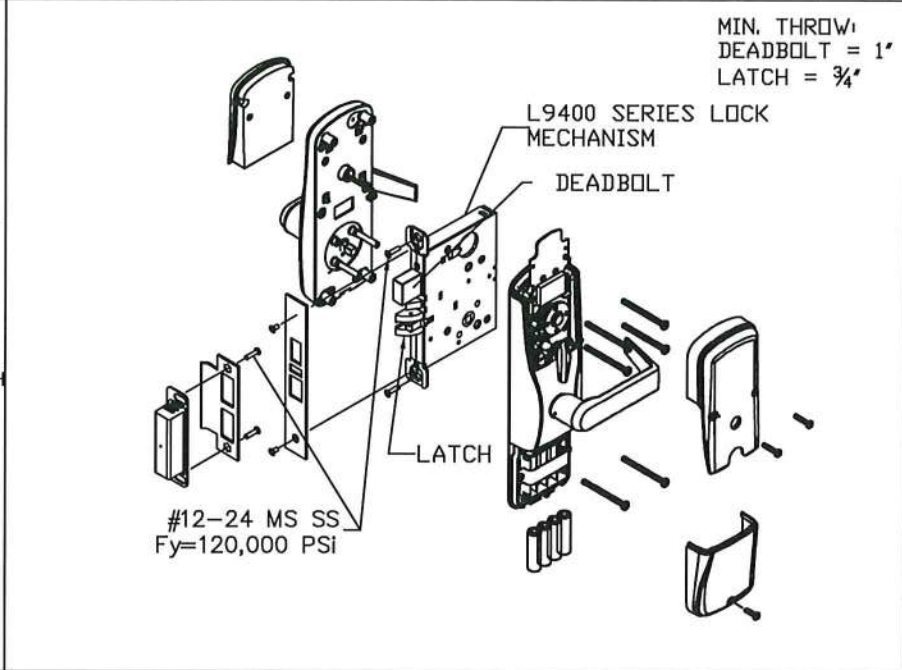
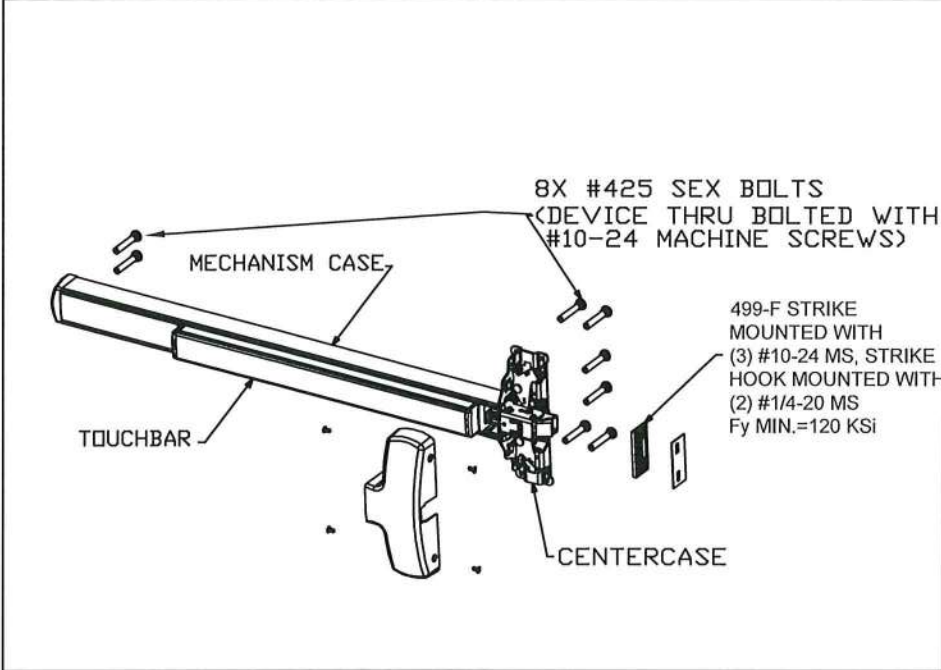
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0427.02  
Expiration Date 05/05/2028  
By Ishag I. Chande  
Miami-Dade Product Control

REVISIONS				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL	DWG	YMF	05/20/07
D	REVISED	DWG	YMF	01/23/08
E	REVISED	DWG	YMF	04/09/08
F	REVISED	DWG	YMF	06/02/08
G	REVISED	PER_MDBCCO	YMF	02/06/09
H	REVISED	DWG	YMF	03/18/09
J	REVISED	PER_MDBCCO	YMF	04/06/10
K	REVISED	NAME	JPD	11/01/13
L	REVISED	DWG	JPD	02/01/15
M	REVISED	DWG	JPD	05/05/15
N	ENGINEER	CHANGE	LA	03/10/17
O	ADDRESS	UPDATE	SM	02/27/20
P	2020 FBC	UPDATE	NUS	07/07/20
Q	ANCHOR/STRIKE	UPDATE	LL	04/06/20



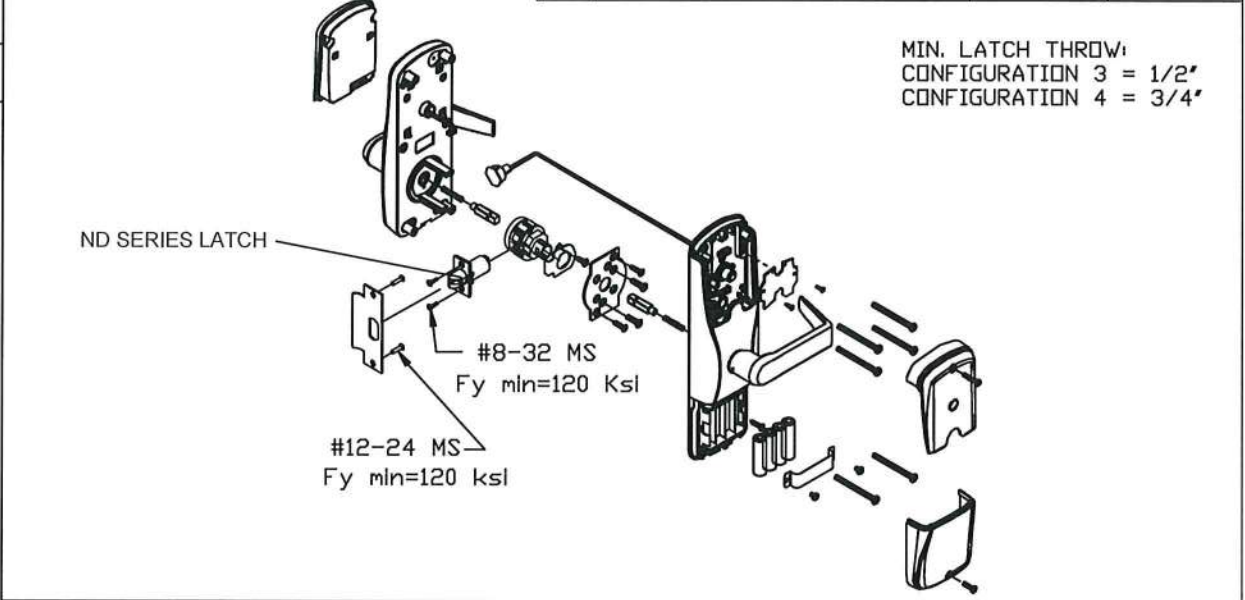
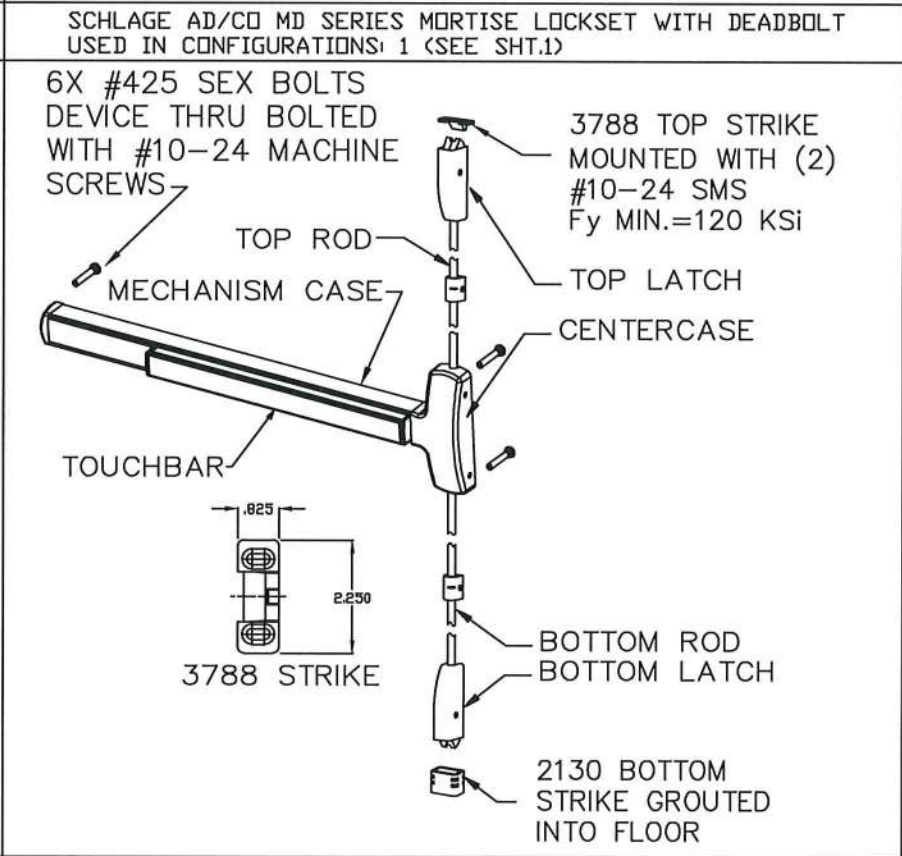
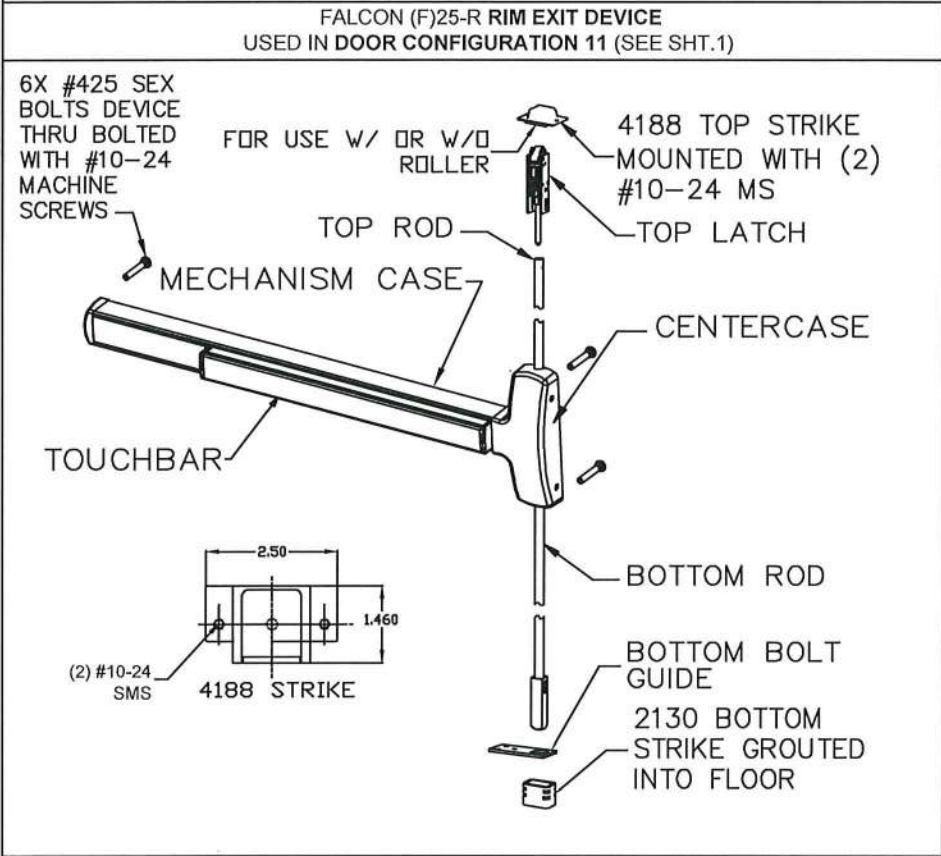
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF		DATE 05/20/07		HARDWARE FOR FLUSH DOUBLE DOORS.	
CHECKED					
APPROVED				SIZE: FLAT DWG NO. IRFD07	
ENG. APPVL JPD		10/12/07		REV Q	
SCALE: NTS		AUTOCAD		SHEET 11 OF 17	





**PRODUCT RENEWED**  
as complying with the Florida Building Code  
NOA-No. 22-0427.02  
Expiration Date 05/05/2028  
By Ishag I. Chande  
Miami-Dade Product Control

REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
D	REVISED DWG	YMF	01/23/08	
E	REVISED DWG	YMF	04/09/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED PER_MDBCCO	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED PER_MDBCCO	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	03/10/17	
O	ADDRESS UPDATE	SM	02/27/20	
P	2020 FBC UPDATE	NUS	07/07/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/06/22	



FALCON F-25-C CONCEALED VERTICAL ROD EXIT DEVICE  
USED IN DOOR CONFIGURATION 8 (SEE SHT.1)

FALCON (F)25-V SURFACE VERTICAL ROD EXIT DEVICE  
USED IN DOOR CONFIGURATION 7 (SEE SHT.1)

NOTES:  
ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL.

EXIT HARDWARE OPTIONS:  
F-25-C & (F)25-V (F) 25-R SERIES - OPTIONS AE, DM, LM, LK, KOR, MEL, EA, FSA, FSE, CX, RX, LX, LD  
TRIMS: ALL APPLICABLE TRIMS AVAILABLE

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

**HERMES F. NORERO**  
LICENSE  
No. 73778  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
HERMES F. NORERO, P.E.  
FLORIDA P.E. NO. 73778  
BUILDING DRG. INC.  
398 E. DANIA BEACH BLVD. #328  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION NO. 23578

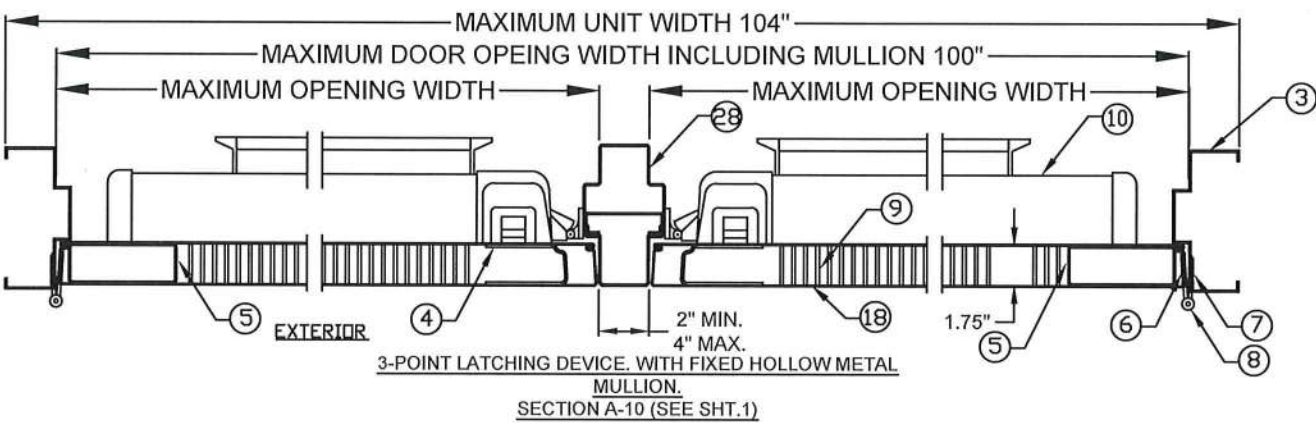
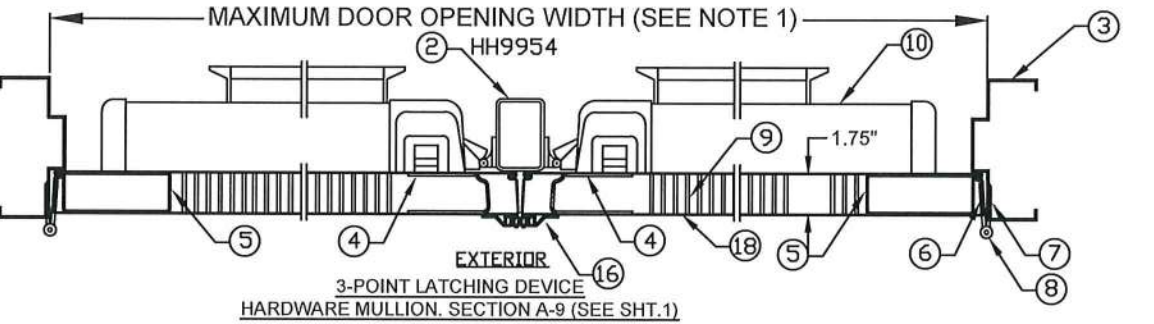
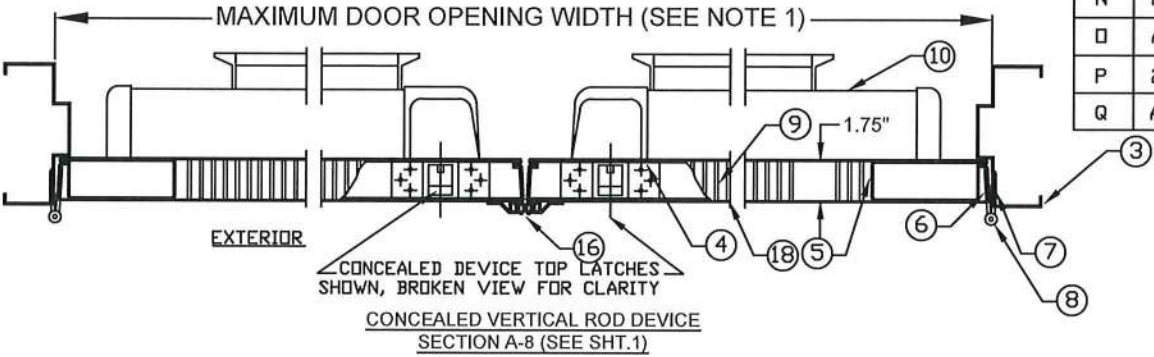
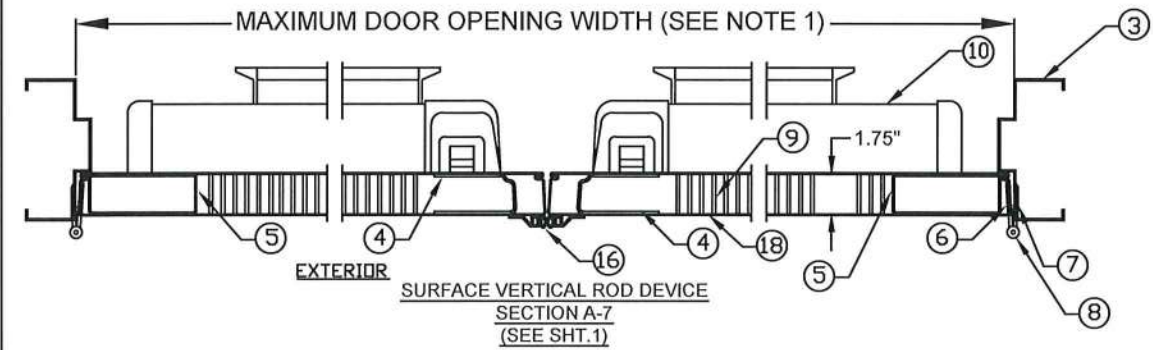
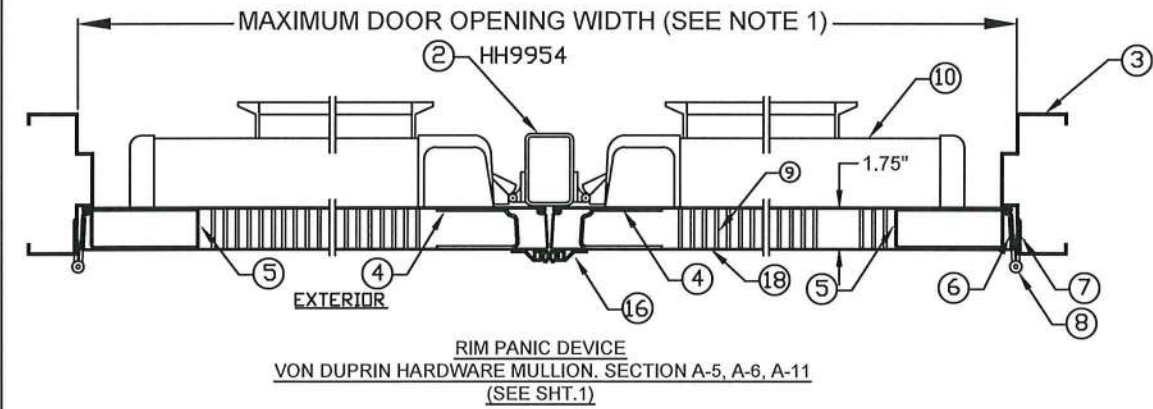
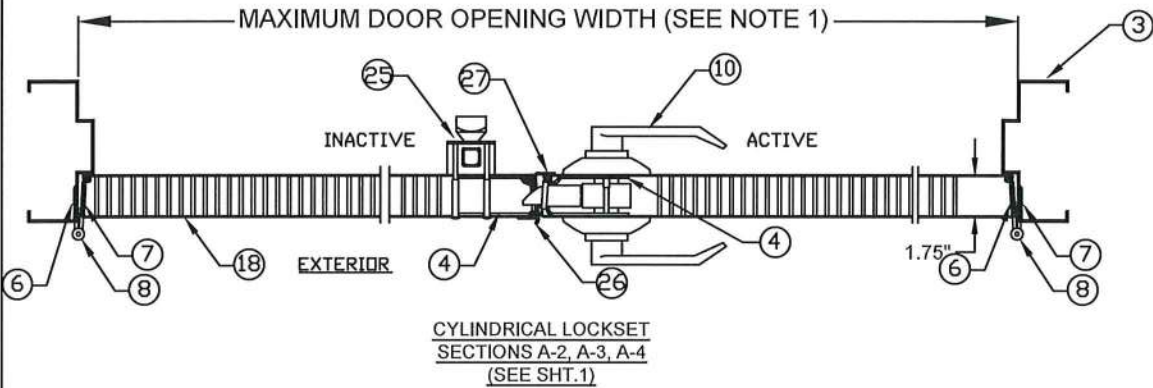
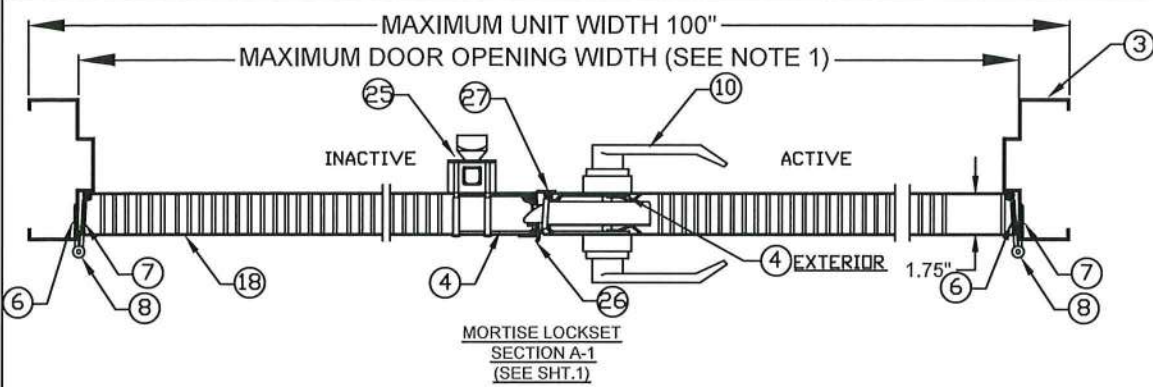
SCHLAGE LOCK COMPANY, LLC  
11819 N. PENNSYLVANIA STREET  
CARMEL, IN 46032

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

TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES  
HARDWARE FOR FLUSH DOUBLE DOORS.

BEND RADIUS	THIRD ANGLE PROJECTION		DRWN	DATE	APPROVED	ADATE	SIZE	FLAT	DWG NO.	REV
			YMF	05/20/07					IRF D07	Q
CHECKED	CDATE	ENG. APPVL	EDATE	SCALE						
		JPD	10/12/07	NTS	AUTOCAD				SHEET 12 OF 17	





R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07	
G	REVISED PER_MDBCCO	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED PER_MDBCCO	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	02/23/17	
O	ADDRESS UPDATE	SM	02/27/20	
P	2020 FBC UPDATE	NUS	07/07/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	

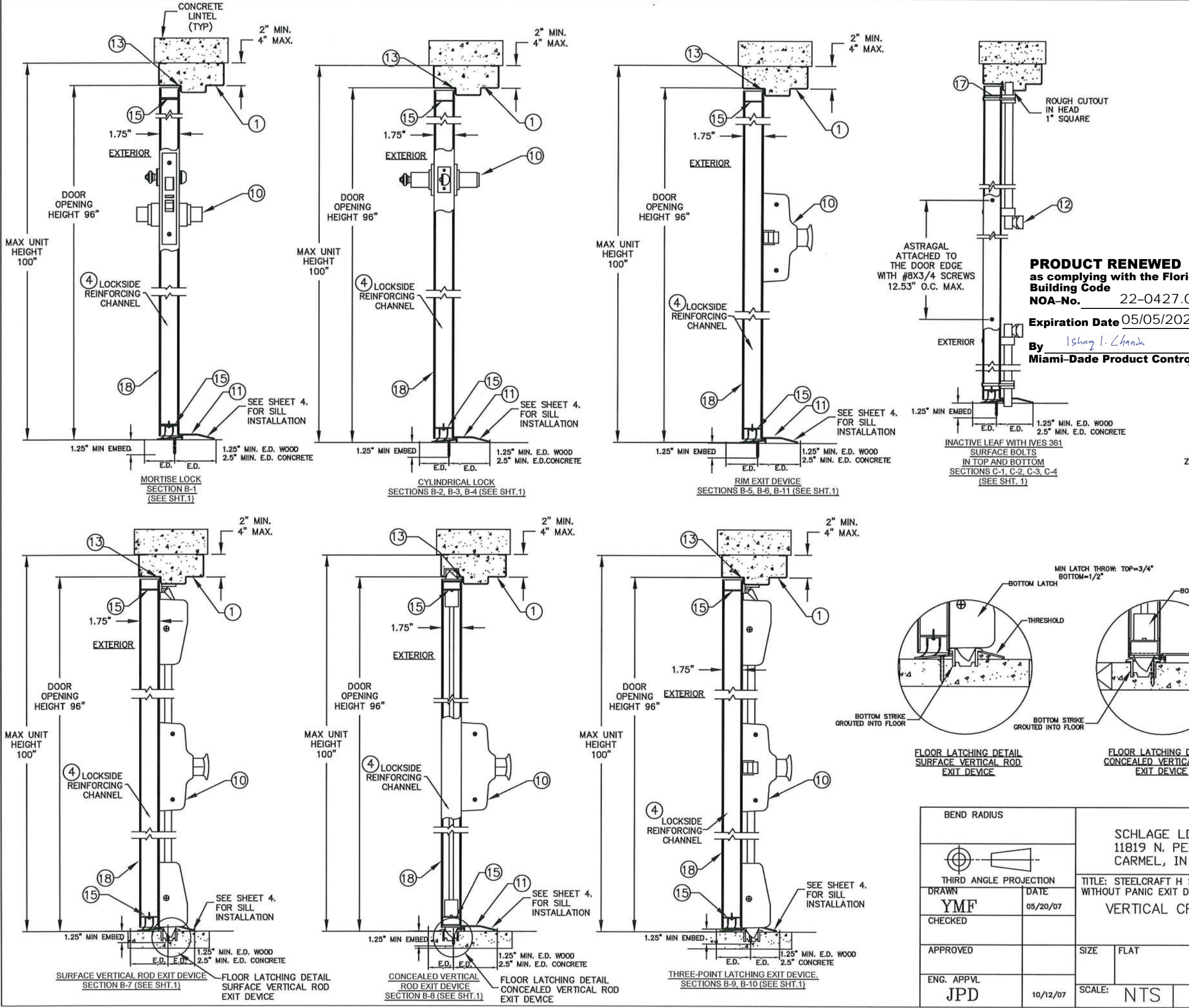
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0427.02  
Expiration Date 05/05/2028  
By *Ishag I. Chande*  
Miami-Dade Product Control



NOTES:  
1. FOR MAXIMUM OPENING SIZE SEE TABLE 1 ON SHEET 2 & FOR MAXIMUM UNIT WIDTH SEE SHEET 1.  
2. SEE SHEET 4 & 15 FOR ANCHOR INSTALLATION AND SHEETS 3, 4, 5, 6 & 15 FOR SILL INSTALLATION DETAILS AND SHEETS 15 & 16 FOR MULLION INSTALLATION.

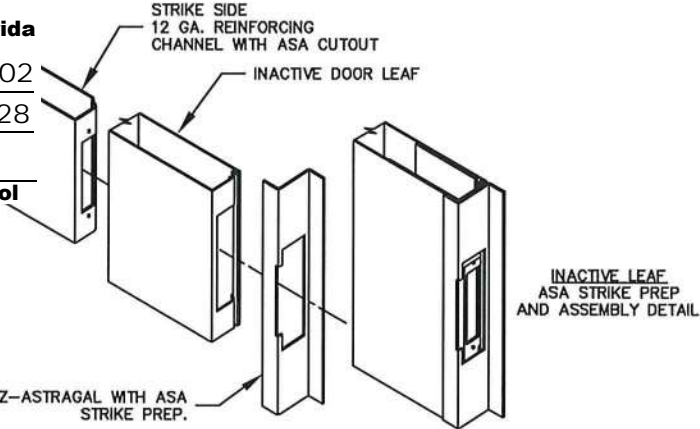
BEND RADIUS 	SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032	MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242
THIRD ANGLE PROJECTION DRAWN YMF CHECKED	DATE 05/20/07	TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES
APPROVED	SIZE FLAT	DWG NO. IRF D07
ENG. APPVL	SCALE: NTS	AUTOCAD
	SHEET 13 OF 17	REV Q



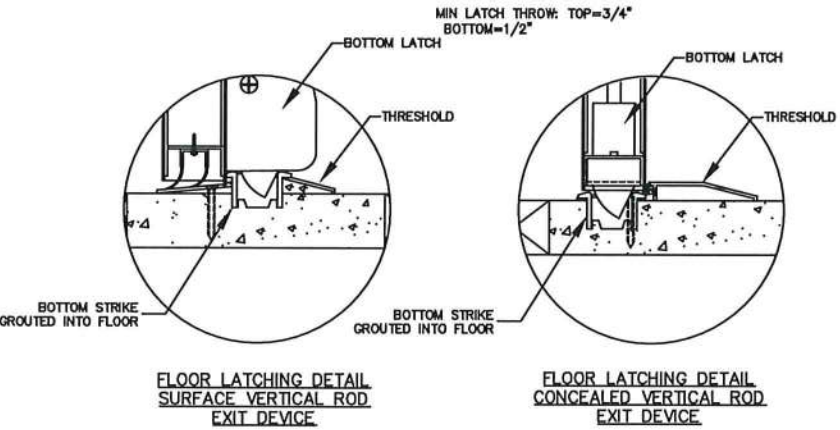


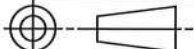
REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
G	REVISED PER_MDBCCO	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED PER_MDBCCO	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	03/10/17	
O	ADDRESS UPDATE	SM	02/27/20	
P	2020 FBC UPDATE	NUS	07/07/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0427.02  
Expiration Date 05/05/2028  
By *Ismael I. Chanda*  
Miami-Dade Product Control

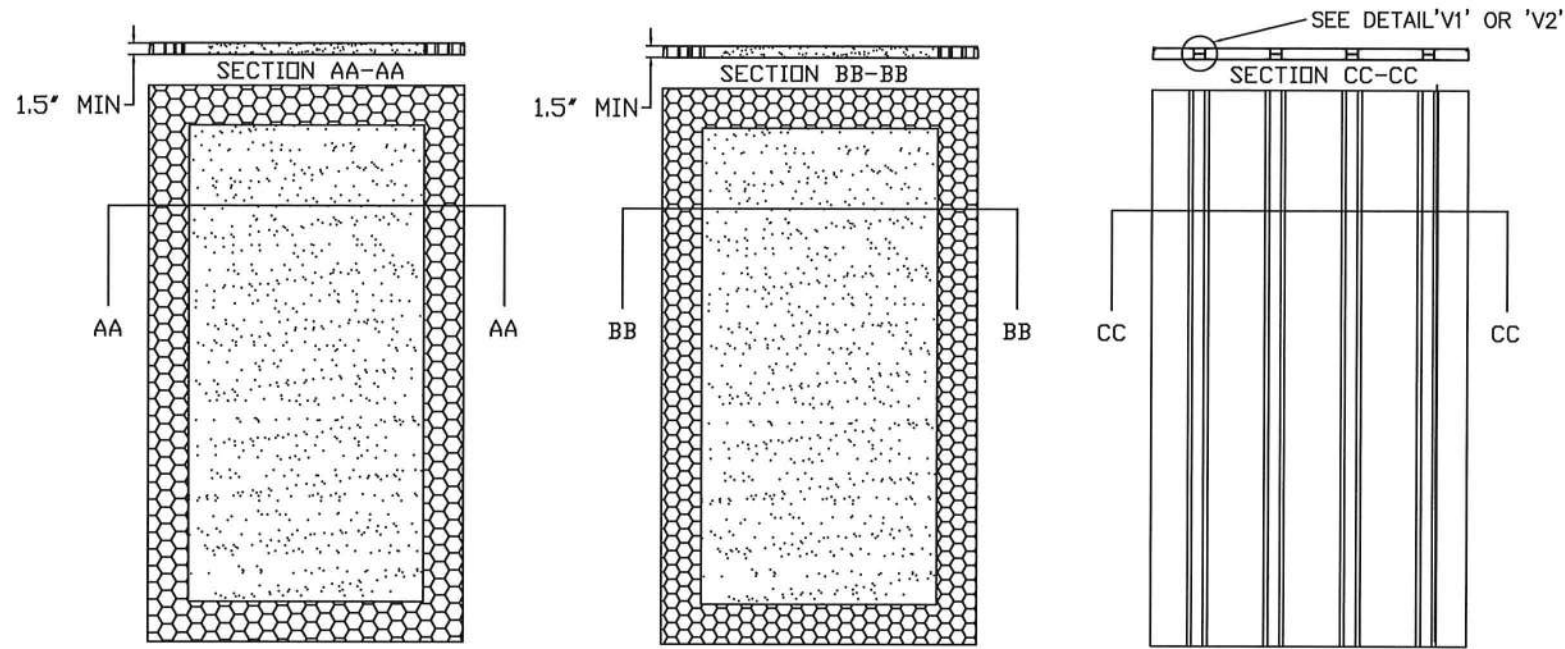


NOTES:  
1. FOR MAXIMUM DOOR AND UNIT  
OPENING SIZES SEE ELEVATION  
SHEET 1 AND TABLE 1 ON SHEET 2.  
2. SEE SHEET 4 & 15 FOR ANCHOR  
INSTALLATION AND SHEETS 3, 4, 5,  
6 & 15 FOR SILL INSTALLATION  
DETAILS AND SHEETS 15 & 16 FOR  
MULLION INSTALLATION.



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 DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES  VERTICAL CROSS SECTIONS FOR FLUSH DOUBLE DOORS.					
YMF	05/20/07						
CHECKED							
APPROVED		SIZE	FLAT	DWG NO.		REV	
				IRFD07		Q	
ENG. APPVL		SCALE:	NTS	AUTOCAD		SHEET 14 OF 17	
JPD	10/12/07						

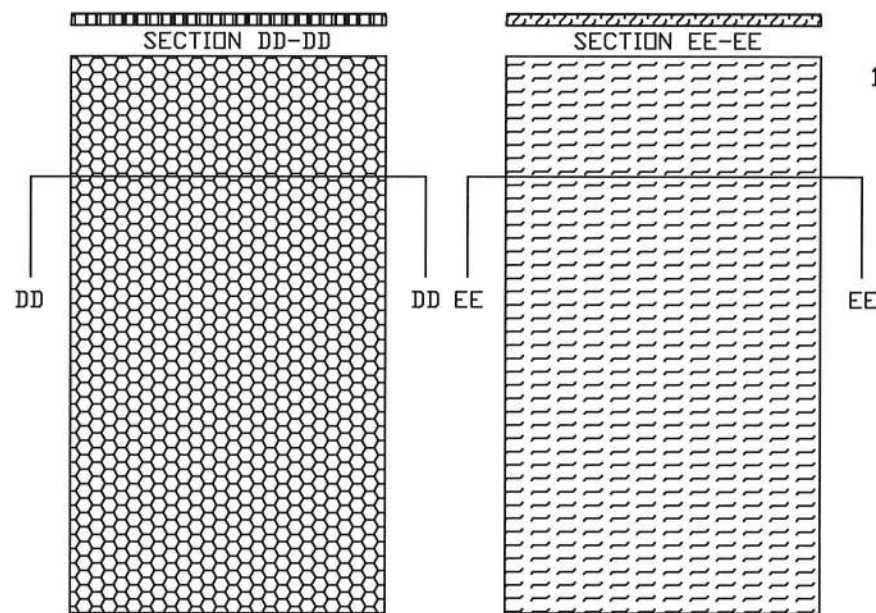
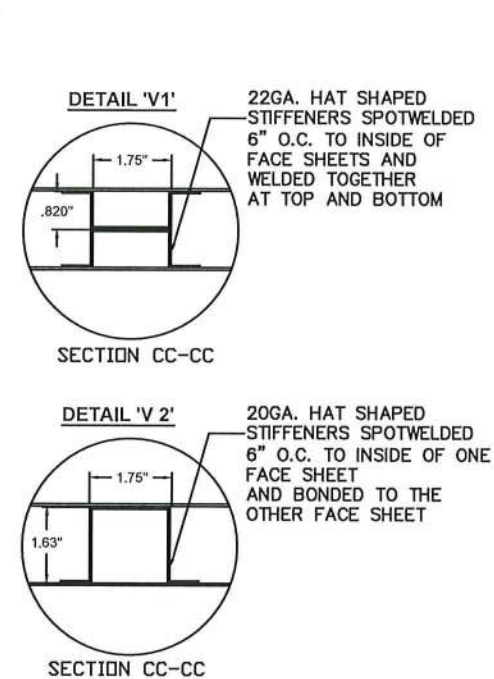




(A) EXPANDED POLYSTYRENE FOAM  
BY ATLAS EPS  
DENSITY: 1.0 LBS/FT<sup>3</sup>

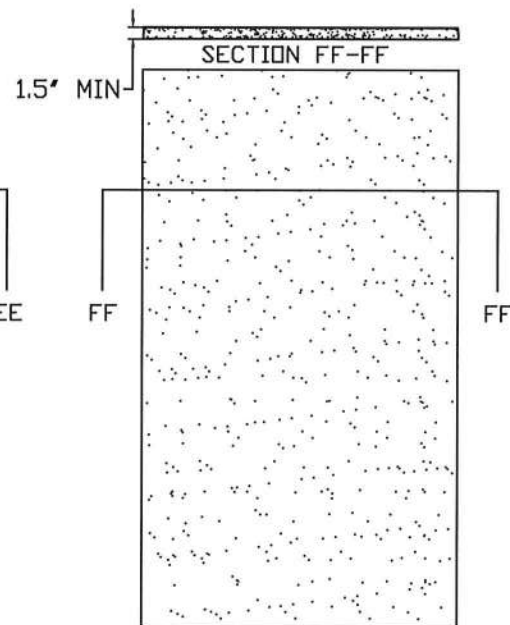
(B) POLYISOCYANURATE  
(POLYURETHANE)  
BY ELLIOT CO. OF INDIANAPOLIS, IN  
DENSITY: 2 LBS/FT<sup>3</sup>

(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-P250C-60  
OR  
MARSHFIELD DOOR SYSTEMS  
CALCIUM SILICATE MINERAL CORE

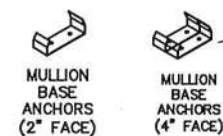


(F) EXPANDED POLYSTYRENE FOAM  
BY ATLAS EPS DENSITY: 1.0 LB/FT<sup>3</sup>  
OR POLYISOCYANURATE  
(POLYURETHANE)  
BY ELLIOT CO. OF INDIANAPOLIS, IN.  
DENSITY: 2 LBS/FT<sup>3</sup>

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0427.02  
Expiration Date 05/05/2028  
By Ishag I. Chande  
Miami-Dade Product Control

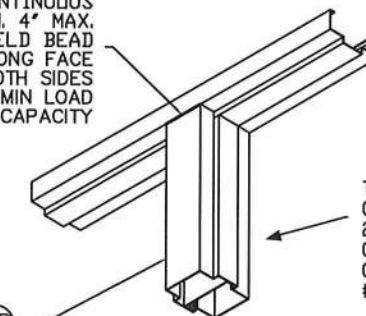
SEE TABLE BELOW FOR APPLICABLE  
ANCHOR TYPES AND REQUIREMENTS

USE 2 MULLION BASE ANCHORS  
FOR 4\"/>



Anchor	Embedment	Edge Distance	Conc. Strength	Spacing	Quantity
Dewalt/Elco 5/16" Ultracon	2"	3.75"	3515 psi	3-3/8" Thru Base Anchor	2 per Base Anchor (2 for 2" Fac 4 for 4" Fac
Dewalt/Powers 3/8" Power-Bolt	2"		3000 psi		
Dewalt/Powers 3/8" Lok Bolt AS	1-1/4"				
Hilti 3/8" Kwik Bolt TZ2	2"				
Dewalt 3/8" Screw-Bolt+	2"				

WELD AT JOINT  
CONTINUOUS  
2\"/>



TO BE FULLY  
GROUTED WITH  
2000 PSI  
GROUT FOR  
CONFIGURATION  
#10

HOLLOW METAL MULLION  
DOUBLE RABBETED  
SHOWN

EXT.

HOLLOW-METAL  
STEEL MULLION

APPLICABLE TO  
ELEVATION 10 ONLY  
(SEE SHT.1)

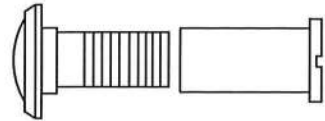
MULLION  
BASE  
ANCHORS



NOTES:  
1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS

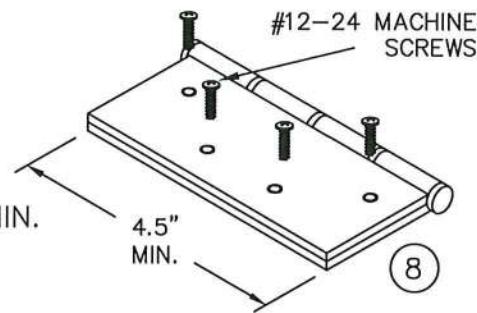
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION					
DRAWN JPD CHECKED					
DATE 02/03/14		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
APPROVED		DOOR CORE OPTIONS AND HOLLOW METAL AND HARDWARE MULLION INSTALLATION			
ENG. APPVL		SIZE FLAT	DWG NO. IRFD07	REV Q	
SCALE: NTS		AUTOCAD		SHEET 15 of 17	





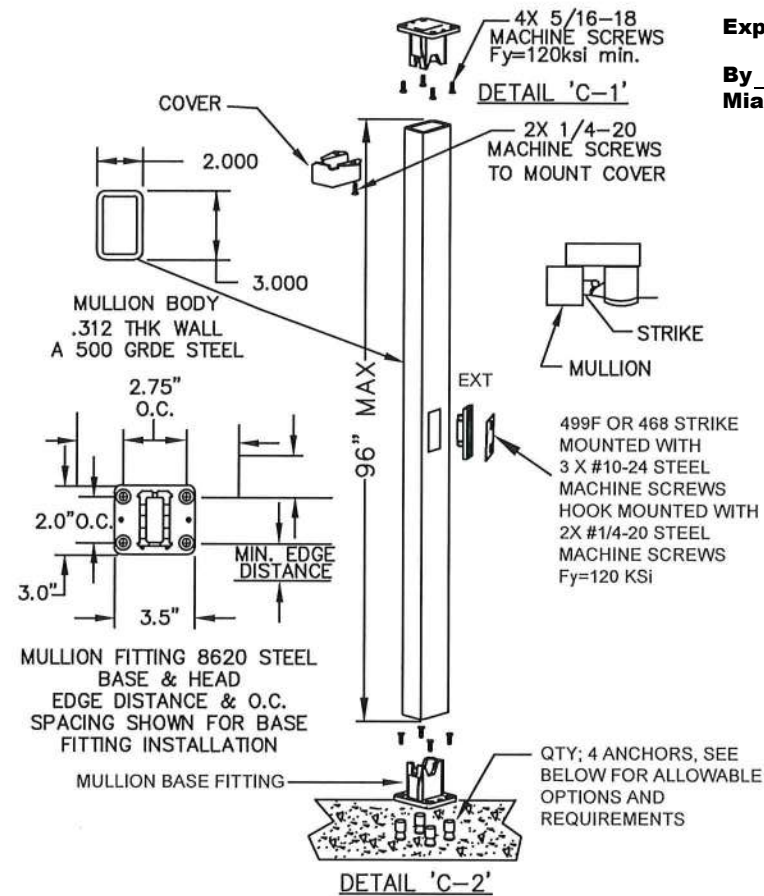
29 IVES 698/U698 DOOR VIEWER  
APPLICATION LIMITED TO +/- 75  
PSF DESIGN PRESSURE OR LESS

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



VON DUPRIN MULLION  
2

HH9954 MULLION

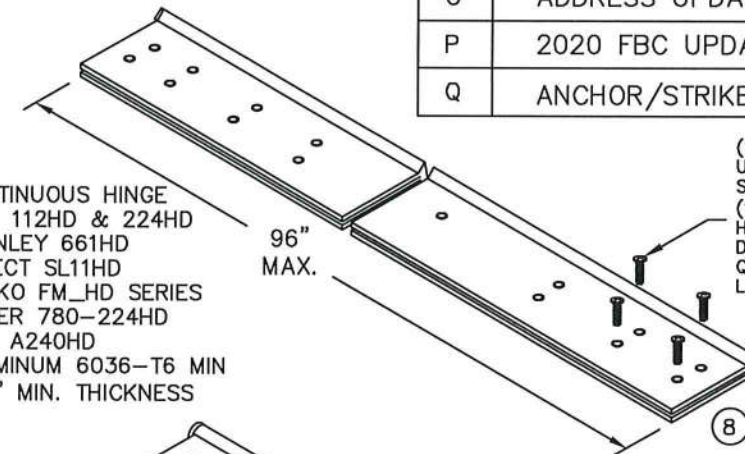


**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0427.02

Expiration Date 05/05/2028

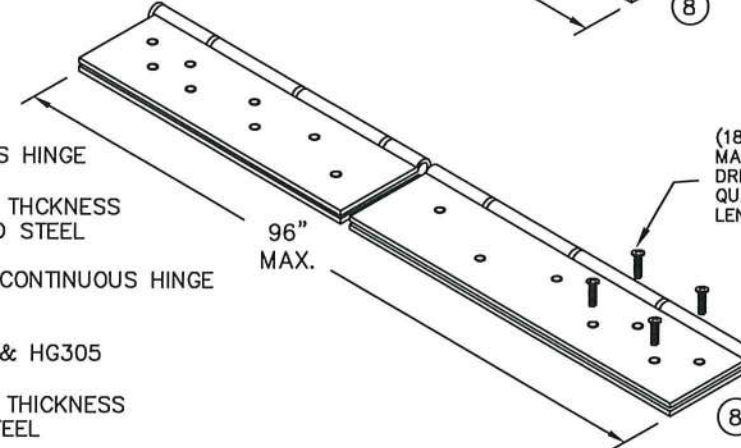
By *Isaac L. Chan*  
Miami-Dade Product Control

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



(15 MIN.) 12-24x3/4" FLAT HEAD  
UNDERCUT SELF DRILLING  
SCREW DOOR LEAF  
(15 MIN.) 12-24 X 1-3/8" FLAT  
HEAD UNDERCUT SELF  
DRILLING SCREW FRAME LEAF  
QUANTITY VARIES PER HINGE  
LENGTH

STEEL CONTINUOUS HINGE  
IVES 600  
.075 (14GA.) MIN. 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 (14GA.) MIN. THICKNESS  
304 STAINLESS STEEL  
Fy MIN. 31ksi



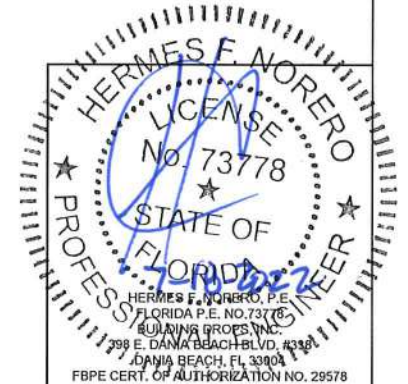
(18 MIN.) #10-24X 1/2" MIN.  
MACHINE SCREW OR SELF  
DRILLING EACH HINGE LEAF  
QUANTITY VARIES PER HINGE  
LENGTH

#### 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

#### MULLION EXPANSION ANCHOR NOTES:

ALLOWABLE ANCHOR TYPES ARE (SEE ABOVE FOR SPACING REQUIREMENTS):  
1/4" DEWALT/POWERS SMART DI+ EXPANSION ANCHORS WITH MIN 1" EMBEDMENT  
AND MIN 2.8" EDGE DISTANCE IN 3000 PSI CONCRETE  
OR  
1/4" HILTI KB-TZ2 (CS OR SS) WITH MIN 1-1/2" EMBEDMENT WITH 3-1/4" EDGE  
DISTANCE IN 4000 PSI CONCRETE



BEND RADIUS				FDPE CERT. OF AUTHORIZATION NO. 29378	
THIRD ANGLE PROJECTION				MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
DRAWN JPD		DATE 02/03/14		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032	
CHECKED				TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES	
APPROVED				HINGE AND VIEWER OPTIONS	
ENG. APPVL				SIZE	
		FLAT		DWG NO. IRFD07	
		SCALE:		REV Q	
		NTS		AUTOCAD	
				SHT 16 OF 17	



