



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, LLC**  
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 were 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 Glazed Outswing Commercial Steel Door w/wo Panic Exit-LMI**

**APPROVAL DOCUMENT:** Drawing No **IRGS07 Rev P**, titled "Steelcraft H series Single outswing glazed", sheets 1 through 16 of 16, 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 door sizes VS Design Pressure (DP), Hardware & DLO (Day light Opening. See sheets **5** and **6** for door sizes VS threshold types, brand and water infiltration limitations. Lower design Pressure shall control.
2. See DLO (vision) limitation for elevation configurations **9, 9A, 10** and **10A**, in sheet **8**. See glazing option in sheet **9**.
3. Top strike plates **338 & 4188** can be used w/wo roller option for Concealed Vert Rod Panic (CVR) shown in sheet **11**.
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 #20-1005.17** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5, E-6, E-7 and E-8, as well as approval document mentioned above.

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



*Ishaq I. Chanda*

NOA No. 22-0414.19  
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 **IRGS07 Rev L**, titled "Steelcraft H series Single outswing glazed", sheets 1 through 15 of 15, prepared by the manufacturer, dated 05-20-07 and last revised on 08/10/15, signed and sealed by Thomas Gordon, P.E.

**B. TESTS (Submitted under files #15-0826.22 #13-1217.14/#12-0305.16/ #10-0209.09/#07-0829.06)**

**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.

**2. 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 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.

**3. 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

**4 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.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Examiner**  
**NOA No. 22-0414.19**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS (continue)**

5. Test report on (submitted under file # **07-0829.06**)

- 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.

Note: Test report CTLA-1035W has been revised by an addendum letter dated Feb 20, 2009, signed and sealed by Ramesh Patel, 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.

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

**C. CALCULATIONS: (Submitted under file # **15-0826.22**)**

1. Anchor verification calculation complying w/ FBC 2014(5<sup>th</sup> Edition) dated 08/10/15, prepared, signed & sealed by Thomas Gordon., P.E.
2. Hinge Load Evaluation report dtd 01/04/04, prepared, signed & sealed by Thomas Gordon, P.E. (Submitted under file # **10-0209.09**)

**D. QUALITY ASSURANCE BY**

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

**E. MATERIAL CERTIFICATIONS (submitted under files #**12-0305.16**/# **10-0209.09**)**

1. Notice of Acceptance No. **13-0717.01** issued to **Sabic Innovative Plastics** for their "**Lexan® Polycarbonate Sheet Products**", expiring on July 17, 2018.
2. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass ® interlayer**", expiring on 01/14/17.
3. 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.
4. Material composition & Flammability properties and Material Safety Data sheet of Calcium Silicate mineral block, issued by Marshfield Door Sys, Inc., Marshfield. WI 54449.
5. 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.
6. 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.

*Ishaq I. Chanda*

**Ishaq I. Chanda, P.E.**  
**Product Control Unit Examiner**  
**NOA No. 22-0414.19**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS (continue)**

7. 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.
8. 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.
9. 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:** Items #1 submitted under #15-0826.22, balanced items submitted under files #12-0305.16/ #10-0209.09

1. Letter of conformance to **FBC 2014** and "No financial interest", dated 08/18/15, 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 June 08, 2008, prepared, signed and sealed by Gordon Thomas, P.E
7. Laboratory Compliance Statements issued as part of above test reports.
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.
10. 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 #15-0826.22**, 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. Technical brochures of butt Hinges, continuous Hinges, Schlage & Falcon Mortise Locks, Supplied by Schlage Company (former Ingersoll-Rand).

**2. Evidence submitted under previous file.**

**A. DRAWINGS**

1. Drawing No **IRGS07 Rev M**, titled "Steelcraft H series Single outswing glazed", sheets 1 through 16 of 16, prepared by the manufacturer, dated 05-20-07 and last revised on 03/08/18, signed and sealed by Hermes F. Norero, P.E.

*Ishaq I. Chanda*

**Ishaq I. Chanda, P.E.**  
**Product Control Unit Examiner**  
**NOA No. 22-0414.19**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. Evidence submitted under previous file (continue).**

**B. TESTS**

1. Test report on
  - 1) Air Infiltration Test, per TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
  - 3) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of doublele outswing steel doors w/ 3-Hinges per leaf, marked by Certified Testing Lab, Test Reports No(s). **CTLA-1035W-2** dated February 11, 2013, signed and sealed by Ramesh Patel, P.E.

Along with manufacturer's parts and section drawings of outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). **CTLA 3064-W-7** dated 01/12/16 w/ brass butt Hinges & Zero 568A threshold per TAS 201, TAS 202 & TAS 203, signed and sealed by Ramesh Patel, P.E.

Along with manufacturer's parts and section drawings of outswing double steel doors with GNP weather-shields, marked by National Certified Testing Lab, Test Reports No(s). **NCTL-210-35491-1** dated 08/26/08 per TAS 201, TAS 202 & TAS 203, signed and sealed by Gerard J. Ferrara, P.E.

Along with manufacturer's parts and section drawings of outswing Single steel doors w/ GNP 950, marked by Certified Testing Lab, Test Reports No(s). **CTLA 3064-W-8, -9, -13, -14 (Falcon-T) & W-15** per TAS 201, TAS 202 & TAS 203, all dated 01/08/16, signed and sealed by Ramesh Patel, P.E.

Along with manufacturer's parts and section drawings of outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). **CTLA 3064-W-10 (Zero 566A), -12 (Zeo566A), and W -14** per TAS 201, TAS 202 & TAS 203, all dated 01/08/16, signed and sealed by Ramesh Patel, P.E.

**C. CALCULATIONS**

1. Anchor verification calculation complying w/ FBC 2017(6<sup>th</sup> Edition) dated 04/04/17 and last revised on 02/05/18, prepared by Building Drops, signed & sealed by Hermes F. Norero, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the "Kuarary **Sentry Glass ® Interlayer**", expiring on 07/4/23.

**F. STATEMENTS**

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 # **17-0320.05**, expiring 05/05/2023.
2. Test proposals # 14-0253-R dated 10/16/14, #14-0254-R-1 dated 10/16/14 and #14-0255 dated 09/25/14.

**3. Evidence submitted under previous approval.**

**A. DRAWINGS**

1. Drawing No **IRGS07 Rev M**, titled "Steelcraft H series Single outswing glazed", sheets 1 through 16 of 16, prepared by the manufacturer, dated 05-20-07 and last revised on 03/08/18, signed and sealed by Hermes F. Norero, P.E.

*Ishaq I. Chanda*

**Ishaq I. Chanda, P.E.**  
**Product Control Unit Examiner**  
**NOA No. 22-0414.19**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**



**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. Evidence submitted under previous approval (continue)**

**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**

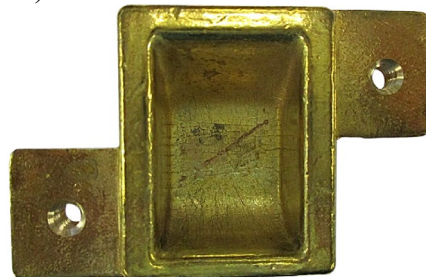
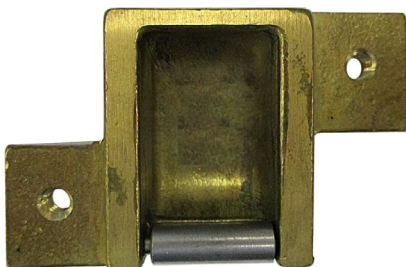
1. None.

**F. STATEMENTS (submitted under file # 17-0426.01)**

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 # 17-0426.01**, expiring 05/05/20.
2. Optional CVR top strikes #338 w/wo Roller (see below)



*Ishaq I. Chanda*

**Ishaq I. Chanda, P.E.**  
**Product Control Unit Examiner**  
**NOA No. 22-0414.19**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**

**Schlage Lock Company, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. Evidence submitted under previous approval.**

**A. DRAWINGS**

1. Drawing No **IRGS07 Rev N**, titled “Steelcraft H series Single outswing glazed”, sheets 1 through 16 of 16, 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 #17-0426.01)**

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 # 19-1016.02**, expiring 05/05/23.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Examiner**  
**NOA No. 22-0414.19**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**5. Evidence submitted under previous approval.**

**A. DRAWINGS**

1. Drawing No **IRGS07 Rev O**, titled “Steelcraft H series Single outswing glazed”, sheets 1 through 16 of 16, 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. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for the “Kuraray **Sentry Glass ® Interlayer**”, expiring on 07/4/23.
2. Notice of Acceptance No. **18-0207.07** issued to **Sabic Innovative Plastics** for their “**Lexan® Polycarbonate Sheet Products**”.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2020(7<sup>h</sup> edition) dated 01/29/21, prepared by Building Drops, signed & sealed by Hermes F. Norero, P.E.
2. Statement letter via e-mail dated 02/18/21, issued by Allegion agreeing one-year conditional approval.

**G. OTHER**

1. This NOA revises NOA # **20-0310.07**, expiring 05/05/22.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Examiner**  
**NOA No. 22-0414.19**  
**Expiration Date: May 05, 2028**  
**Approval Date: August 04, 2022**



**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**6. New Evidence submitted.**

**A. DRAWINGS**

1. Drawing No **IRGS07 Rev P**, titled “Steelcraft H series Single outswing glazed”, sheets 1 through 16 of 16, 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. Notice of Acceptance No. **17-0808.02** issued to Kuraray America, Inc. (former E.I. DuPont DE Nemours & Co., Inc.) for the “Kuraray **Sentry Glass® Interlayer**”, expiring on 07/4/23.
2. Notice of Acceptance No. **21-1109.01** issued to **Sabic Innovative Plastics** for their “**Lexan® Polycarbonate Sheet Products**”, expiring 04/01/26.

**F. STATEMENTS (submitted under previous approval)**

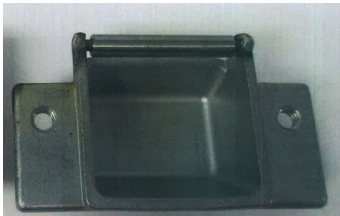
1. Statement letter of conformance to FBC 2020(7<sup>h</sup> edition) dated 01/29/21, prepared by Building Drops, signed & sealed by Hermes F. Norero, P.E.

**G. OTHER**

1. This NOA **revises & renews NOA # 20-1005.17**, expiring 05/05/27.
2. CVR Falcon 4188 (top strike) options w/wo Roller



4188 strike without Roller



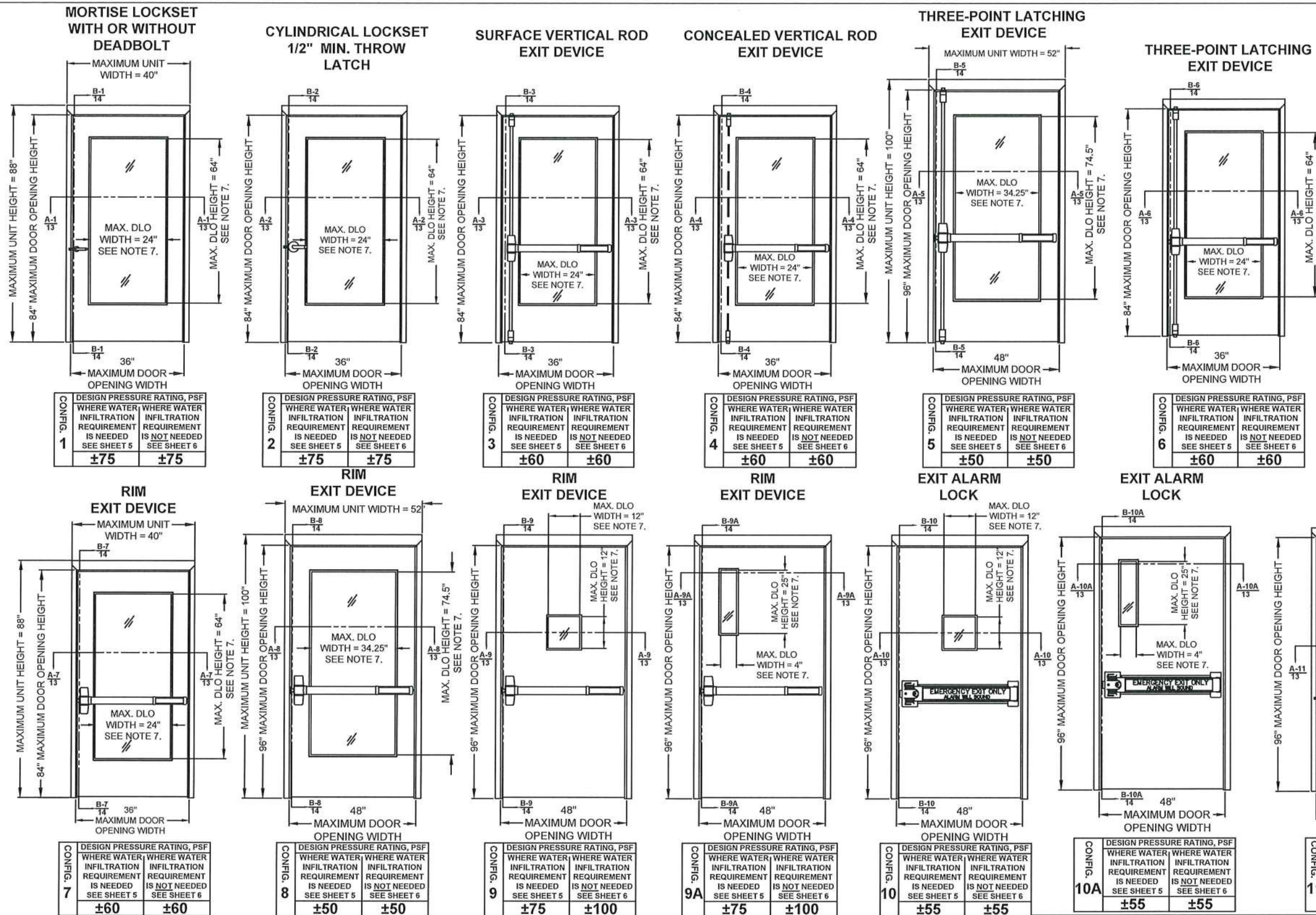
4188 strike with Roller

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Examiner**  
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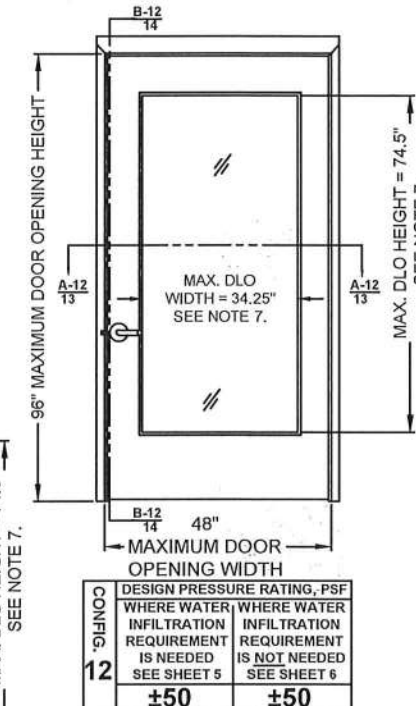




REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
F	REVISED DWG	YMF	01/04/10	
G	REVISED DWG	YMF	04/09/10	
H	REVISED NAME	JPD	11/01/13	
J	REVISED DWG	JPD	02/01/15	
K	REVISED DWG	JPD	05/05/15	
M	ENGINEER CHANGE	LA	02/10/17	
N	ADDRESS UPDATE	SM	02/27/20	
Q	2020 FBC UPDATE	NUS	07/06/20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

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

### CYLINDRICAL LOCKSET 1/2" MIN. THROW LATCH



### 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:

- INTERIOR VIEWS ARE SHOWN FOR ALL ELEVATIONS OF OUTSWING DOOR
- SEE TABLE 1 ON SHEET 2 FOR GLAZING SIZE, HARDWARE APPLICATIONS AND LIMITATIONS
- SEE SHEET 3 FOR HINGE REQUIREMENTS
- SEE SHEET 4 FOR ANCHORING TYPES AND LIMITATIONS AND SHEET 5 & 6 FOR SILL WEATHERING INSTALLATION
- SEE SHEET 5 TABLES 3.1 AND 3.2 FOR WATER RATED THRESHOLD AND WEATHERSTRIPPING INSTALLATION AND LIMITATIONS
- SEE SHEET 6 TABLES 4.1 AND 4.2 FOR NON WATER RATED THRESHOLD AND WEATHERSTRIPPING INSTALLATION AND LIMITATIONS
- SEE SHEET 9 FOR GLAZING OPTIONS AND DETAILS
- DLO - DAYLIGHT OPENING SIZE, SAME AS EXPOSED GLASS. SEE SHEETS 1, 2, 8 AND 9 FOR LIMITATIONS
- ALL CONFIGURATIONS MEET LARGE AND SMALL MISSILE IMPACT REQUIREMENTS- LARGE MISSILE IMPACT (50 F/S)

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0414.19

Expiration Date 05/05/2028

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

BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN	DATE
YMF	05/20/07
CHECKED	
APPROVED	
ENG. APPVL	
JPD	11/15/07

SCHLAGE LOCK COMPANY, LLC 1819 N. PENNSYLVANIA STREET CARMEL, IN 46032	
TITLE: STEELCRAFT H SERIES SINGLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES	
GLASS OUTSWING DOORS AND HARDWARE CONFIGURATIONS COMMERCIAL DOOR OPENING SINGLE GLASS DOORS.	
SIZE	FLAT
DWG NO.	IRGS07
SCALE	NTS
AUTOCAD	
SHEET	1 of 16



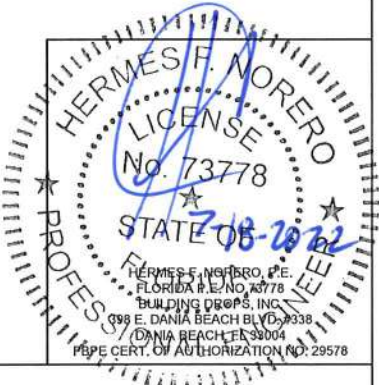
Door Configuration	Maximum Design Pressure, PSF		Maximum Door Opening Size, in.		Maximum DLO Size, in. (NOTE 3)		Locking Hardware Description				Comments
	Positive	Negative	Width	Height	Width	Height	Hardware Family	Model/Series	Strike Models	Brand	
1	75	75	36	84	24	64	Mortise Lock	L/LV9400/AD/CO MD	10-072	Schlage	Function with deadbolt, 3/4" min. throw latch & 1" min. throw bolt
								L/LV9000/AD/CO MS			Function w/o deadbolt, 3/4" min. throw latch
								MA	ANSI	Falcon	Function with or w/o deadbolt, 3/4" min. throw latch & 1" min. throw bolt (if applicable)
2	75	75	36	84	24	64	Cylindrical Lock	D/ND/AD/CO CYL	10-025	Schlage	1/2" min throw latch
								T	ANSI	Falcon	1/2" min throw latch
3	60	60	36	84	24	64	Surface Vertical Rod Exit Device	9827, 9927, 9827-F, 9927-F	299-F,499-F Top, 304L Bottom	Von Duprin	
								25-V, F-25-V	3788 Top, 2130 Bottom	Falcon	
4	60	60	36	84	24	64	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
								3347A-F, 3547A -F, HH3347A, HH3547A	338 Top, 304L Bottom	Von Duprin	HH33/3547A devices have a 2-3/4" backset
								F-25-C	4188 Top, 2130 Bottom	Falcon	4188 for use with or without roller
5	50	50	48	96	34.25	74.5	Three-Point Latching Device	9857, 9957, 9857-F, 9957-F	299-F,499-F Top/Middle, 304L Bottom	Von Duprin	
6	60	60	36	84	24	64	Three-Point Latching Device	9857, 9957, 9857-F, 9957-F	299-F,499-F Top/Middle, 304L Bottom	Von Duprin	
7	60	60	36	84	24	64	Rim Exit Device	98, 99, 98-F, 99-F	299-F,499-F	Von Duprin	
								88-F	268, 468	Von Duprin	
8	50	50	48	96	34.25	74.5	Rim Exit Device	98, 99, 98-F, 99-F	299-F,499-F	Von Duprin	
								88-F	268, 468	Von Duprin	
9	75/100 SEE NOTE 2.	75/100 SEE NOTE 2.	48	96	12	12	Rim Exit Device	XP98, XP99, XP98-F, XP99-F	909, 954	Von Duprin	
9A					3	33					
					4	25					
					5	20					
10	55	55	48	96	12	12	Exit Alarm Lock	2670 Guard-X	267	Von Duprin	
					3	33					
					4	25					
10A					5	20					
11	50	50	48	96	34.25	74.5	Mortise Lock	L/LV9400/AD/CO MD	10-072	Schlage	Function with deadbolt, 3/4" min. throw latch & 1" min. throw bolt
								L/LV9000/AD/CO MS			Function w/o deadbolt, 3/4" min. throw latch
								MA	ANSI	Falcon	Function with or w/o deadbolt, 3/4" min. throw latch & 1" min. throw bolt (if applicable)
12	50	50	48	96	34.25	74.5	Cylindrical Lock	D/ND/AD/CO CYL	10-025	Schlage	1/2" min throw latch
								T	ANSI	FALCON	1/2" min throw latch

TABLE 1.

NOTES:  
1. SEE SHEETS 10, 11 & 12 FOR LOCKING HARDWARE.  
2. DOOR CONFIGURATIONS 9 AND 9A ARE RATED FOR MAXIMUM DESIGN PRESSURE UP TO ±75 PSF WITH ZERO INT'L THRESHOLD 12A OR FOR DOOR OPENINGS UP TO 3'-0" X 7'-0" WITH NGP THRESHOLD 12B AND ±50 PSF FOR DOOR OPENINGS UP TO 4'-0" X 8'-0" WITH NGP THRESHOLD 12B WHEN WATER INFILTRATION REQUIREMENT IS NEEDED. SEE SHEET 5  
2.1 DOOR CONFIGURATIONS 9 AND 9A ARE RATED FOR A MAXIMUM DESIGN PRESSURE UP TO ±75PSF WITH ZERO INT'L THRESHOLD OPTIONS AND UP TO ±100 PSF WITH NGP THRESHOLD OPTIONS WHEN WATER INFILTRATION REQUIREMENT IS NOT NEEDED. SEE SHEET 6  
3. DLO - DAYLIGHT OPENING, SAME AS EXPOSED GLASS. SEE SHEETS 1, 2, 8 & 9 FOR GLAZING TYPES, DETAILS AND LIMITATIONS.

R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL	DWG YMF	05/20/07	
B	REVISED	DWG RAP	11/26/07	
C	REVISED	DWG RAP	12/12/07	
D	REVISED	DWG YMF	07/29/08	
E	REVISED	PER_MDBCCO YMF	01/30/09	
F	REVISED	PER_MDBCCO YMF	02/04/09	
G	REVISED	PER_MFR YMF	05/18/09	
H	REVISED	PER_MFR YMF	04/09/10	
J	REVISED	NAME JPD	11/01/13	
K	REVISED	DWG JPD	02/01/15	
M	ENGINEER	CHANGE LA	02/24/17	
N	ADDRESS	CHANGE JPD	01/10/20	
O	2020 FBC	UPDATE NUS	07/06/20	
P	STRIKE	UPDATE LL	04/06/22	

**PRODUCT RENEWED**  
**as complying with the Florida**  
**Building Code**  
**NOA-No.** 22-0414.19  
**Expiration Date** 05/05/2028  
**By** Ishaq I. Chande  
**Miami-Dade Product Control**

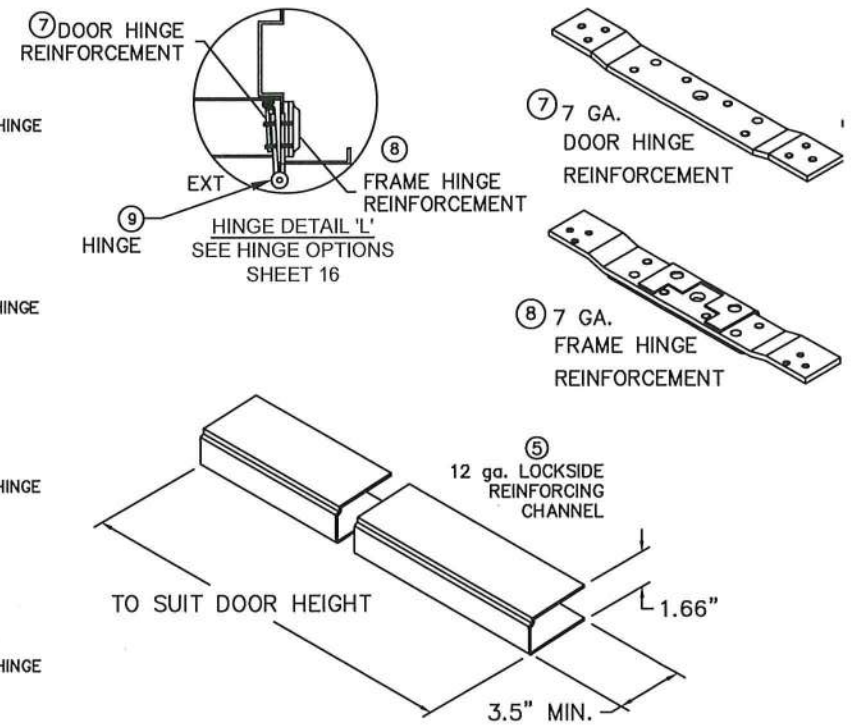
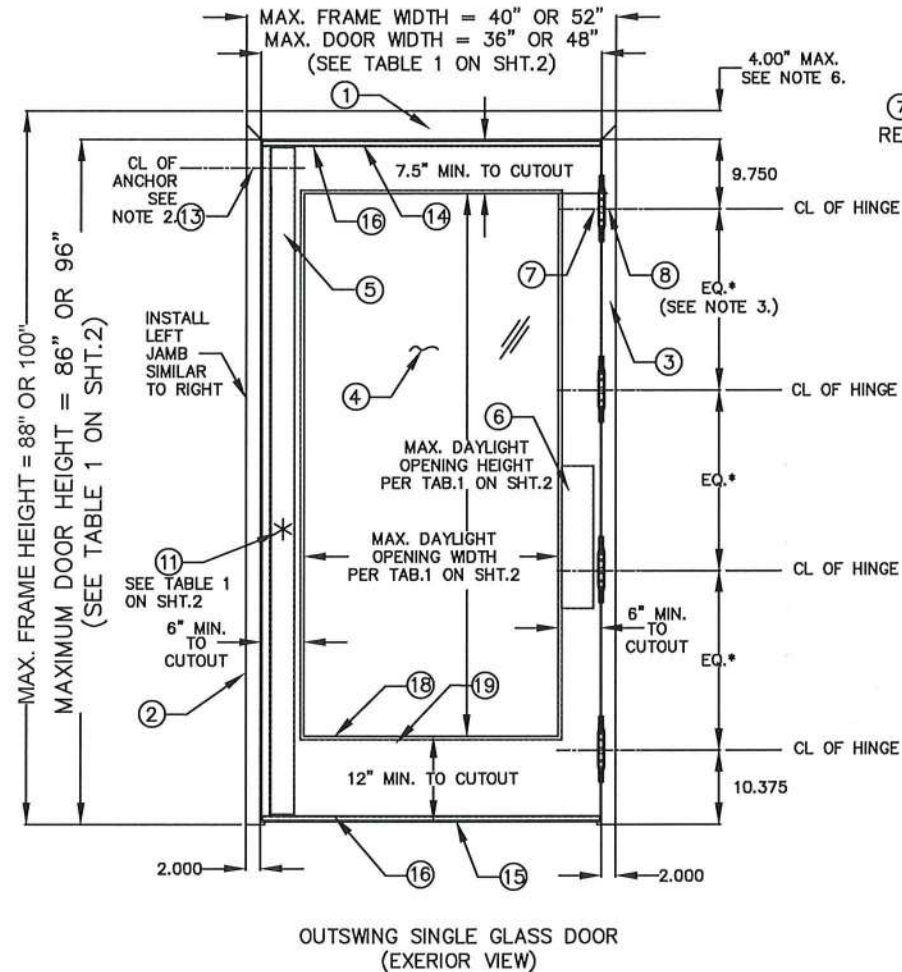
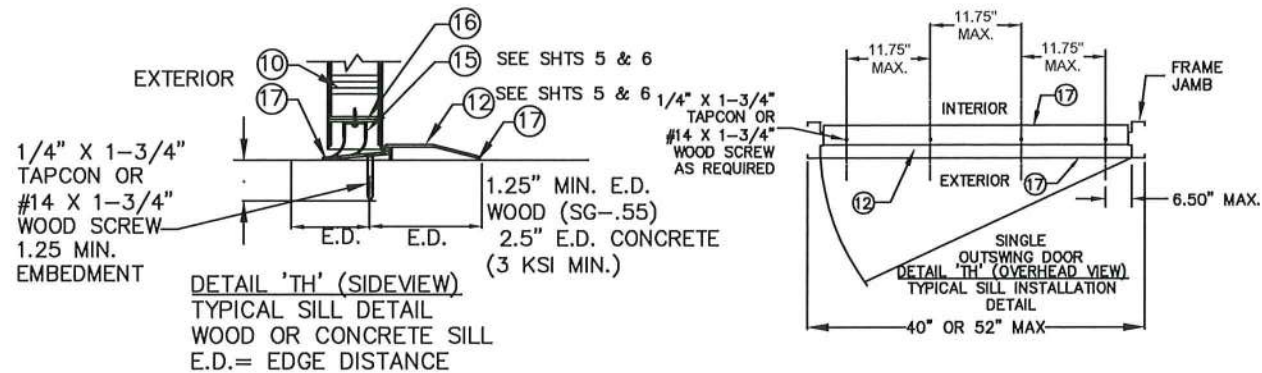


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
		TITLE: STEELCRAFT H SERIES SINGLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF		DATE 05/20/07		GLASS OUTSWING DOORS AND HARDWARE CONFIGURATIONS COMMERCIAL DOOR OPENING SINGLE GLASS DOORS.	
CHECKED					
APPROVED				SIZE FLAT DWG NO. IRGS07 REV P	
ENG. APPVL JPD		11/15/07		SCALE: NTS AUTOCAD SHEET 2 of 16	



1. ANCHOR REQUIREMENTS:
  - SEE SHEET 4 FOR APPROVED ANCHORS AND INSTALLATION.
2. HINGE REQUIREMENTS: 4.5" STD WT. MIN.
  - FOR DOOR OPENING UP TO 90" HIGH - MIN (3) HINGES
  - FOR DOOR OPENING OVER 90" - 96" HIGH - MIN (4) HINGES
  - STD LOCATIONS: 9.75" FROM RABBIT IN HEAD TO CL OF TOP HINGE
  - 10.38" FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED
  - IN BETWEEN. HINGE LOCATIONS MAY VARY, MAX SPACING DO NOT EXCEED 35.5" FOR 3 HINGES.
  - SEE SHEET 16 FOR APPROVED CONTINUOUS HINGE MODELS.
3. SEE SHEETS 1, 2 & 3 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
4. HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
5. 4" FACE FRAME HEAD IS AVAILABLE. SEE SHEET 4.
6. APPLY CAULK TO FULL LENGTH OF SILL AND ENTIRE PERIMETER OF FRAME. SEE SHEETS 5 & 6
7. WEATHERSTRIPPING:
  - WHEN WATER INFILTRATION IS REQUIRED INSTALL PER SHEET 5. (ZERO INTL 566 VS NGP 950)
  - WHEN WATER INFILTRATION IS NOT REQUIRED - INSTALL PER SHEET 6. (ZERO INTL 566, 65 & 568 VS NGP 950)
8. SEE SHEET 13 FOR HORIZONTAL CROSS-SECTIONS, SEE SHEET 14 FOR VERTICAL CROSS-SECTIONS.
9. INSTALL REINFORCEMENT CHANNELS AROUND EACH LITE-CUTOUT.
10. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION I UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.
11. OPTIONAL POWER TRANSFERS, AND/OR "SIGNAL SWITCH" 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.
12. TYPICAL SILL INSTALLATION SHALL BE ANCHORED PER OVERHEAD AND SIDEVIEW VIEW TH DETAILS ON THIS SHEET.
13. DAYLIGHT OPENING (DLO) IS THE SAME AS EXPOSED GLASS. SEE SHEETS 1, 2, 8 AND 9 FOR LIMITATIONS & GLAZING TYPES.
14. WHEN USING CONTINUOUS HINGE THE MINIMUM DISTANCE FROM DOOR EDGE TO EXPOSED GLASS IS 6-1/4" AT STILES AND 7-1/2" AT MIDRAILS.

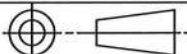
ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE, MAX.
1	1	HEAD SEE SHT 7 ASTM A366	.053" MIN. STL	MAX. 52"
2	1	STRIKE JAMB SEE SHT. 7 ASTM A366	.053" MIN.STL	MAX. 100"
3	1	HINGE JAMB SEE SHT 7 ASTM A366	.053" MIN. STL	MAX. 100"
4	1	LEXAN BY SABIC INNOVATIVE PLASTICS	.25" OR .50"	35.406" X 75.656" MAX
		LAMINATED GLASS WITH SENTRYGLAS INTERLAYER	.562" TYP.	
		SUPERLITE II-XL BY SAFTI WITH SENTRYGLAS INTERLAYER	1.06" TYP.	
5	1	LOCK SIDE REINFORCEMENT CHANNEL	.093" MIN. STL	3.5 X 93.44 MAX,
6	1	HINGE SIDE PANIC REINFORCEMENT	.067" MIN. STL	MAX. 20"
7	NOTE 2.	HINGE REINFORCEMENT DOOR ASTM A621	.167" MIN. STL	1.23" X 9.19" MIN.
8	NOTE 2.	HINGE REINFORCEMENT FRAME ASTM A621	.167" MIN. STL	1.5" X 9.19" MIN.
9	NOTE 2.	4.5" X 4.5" BUTT HINGES (SEE SHT 16)	.134 MIN.	(8) #12-24 MS PER HINGE
		OPTIONAL CONTINUOUS HINGE (SEE SHT 16)	.075" MIN. STL/.12 ALUM	MAX. 95"
10	1	CORE MATERIAL (SHEET 15): D) HONEYCOMB C) STEEL STIFFENED A & F) POLYSTYRENE B & F) POLYURETHANE/POLYISOCYANURATE E) MINERAL BOARD TEMPERATURE RISE CORE		
11	1	LOCKING HARDWARE – SEE SHEET 2 TABLE 1. THRESHOLD SILL W/BUMPER GASKET		
12	1	12A) 566 ZERO SEE SHT. 5 WATER RATED & 6 NON-WATER	.125" ALUM. 6063 T5	5.0"X0.5"X48"MAX.
		12B) 950 NGP SEE SHT. 5 WATER RATED & 6 NON-WATER	.078" ALUM. 6063 T5	
		12C) 65 ZERO SEE SHT. 6 NON WATER RATED	.125" ALUM. 6063 T5	6.0"X0.5"X48"MAX.
		12D) 568 ZERO SEE SHT. 6 NON WATER RATED	.125" ALUM. 6063 T5	
13	NOTE 1.	JAMB ANCHOR ASTM A924	SEE SHEET 4	
14	SEE SHEET 6	14A)PS074 DOOR SEAL STEELCRAFT	TPE	MAX. 20'
		14B)188S 14C)117S 14D)8144S 14E)8150S DOOR SEAL ZERO	SILICONE	
15	1	FAS-SEAL DOOR SWEEP SEE SHEETS 5 & 6	TPE	MAX. 48"
16	2	END CHANNEL ASTM A924 (14 GA – INVERTED)	.067" MIN. STL	.69" X 1.66" X 48" MAX.
17	AS NEEDED	CAULK – BUTYL RUBBER OR 100% SILICONE	SEE SHEETS 5 & 6	
18	AS NEEDED	GLAZING HOLDING DOOR TRIM		34.25" X 74.5" EXPOSED GLASS MAX.
		1) DEZIGNER TRIM		
		2) STEEL OVERLAPPING TRIM	.032" MIN. STL	
		3) STEEL OVERLAPPING TRIM		
		4) HIGH SECURITY VISION FRAME	.093"(12GA) MIN. STL.	
19	NOTE 9.	CUTOUT REINFORCEMENT CHANNEL (18 GA)	.047" MIN. STL	0.5"X1.56"X35.5"X 75.5" MAX
20	1	DOOR SLAB (16 OR 14 GA)	SEE SHEET 7	4' X 8' MAX.
21	1	21A) 188S DOOR SEAL BY ZERO INT'L	SILICONE SEE SHEET 5	MAX. 20'
		21B) PS074 DOOR SEAL BY STEELCRAFT	TPE SEE SHEET 5	
22	2	202N DOOR SEAL BY NGP	TPE SEE SHEET 5	MAX. 84" OR 96"
23	1	23A) 139 DOOR SWEEP BY ZERO INT'L	SEE SHEET 5	MAX. 36" OR 48"
		23B) 328 DOOR SWEEP BY ZERO INT'L		
		23C) 200N DOOR SWEEP BY ZERO INT'L		
24	3	24A) 475 ADJUSTABLE SEAL BY ZERO INT'L	TPE SEE SHEET 5	MAX. 84" OR 96" FOR JAMB MAX. 36" OR 48" FOR HEAD
	1	24B) 170N ADJUSTABLE SEAL BY NGP		
		25A) 142 RAIN DRIP BY ZERO INT'L	SEE SHEET 5	MAX. 40" OR 52" FOR HEAD MAX. 36" OR 48" FOR DOOR
25	1	25B) 11 RAIN DRIP BY ZERO INT'L		
		25C) 16A RAIN DRIP BY NGP		
26	1	TOP CAP GALV. A60 ASTM A924	.020" MIN. STL	0.5" X 1.76" X 36" OR 48"



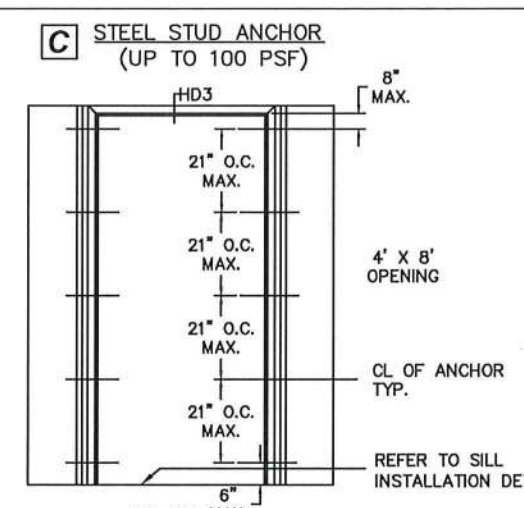
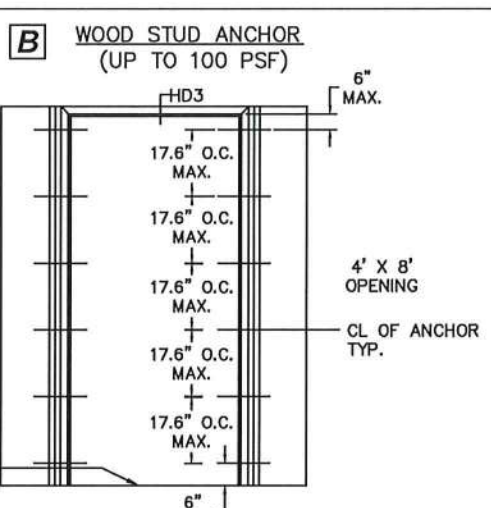
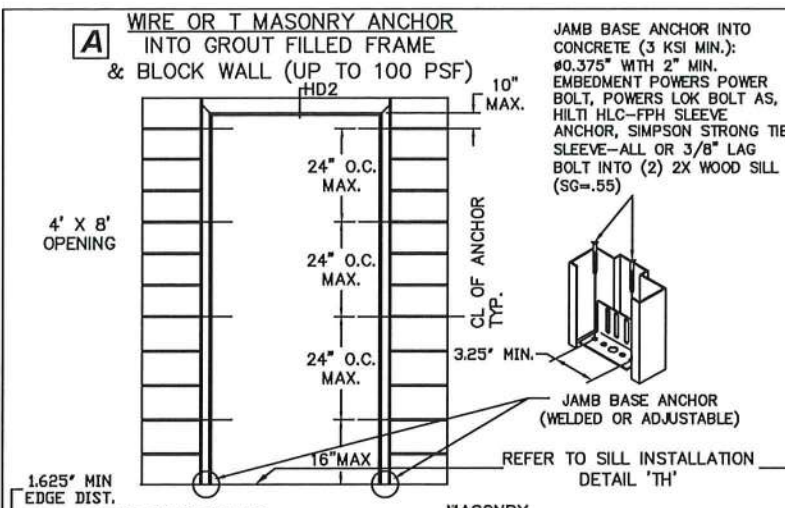
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LTR	DESCRIPTION			DATE	APPROVED
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G	REVISED	DWG	YMF	01/04/10	
H	REVISED	DWG	YMF	04/09/10	
J	REVISED	NAME	JPD	11/01/13	
K	REVISED	DWG	JPD	02/01/15	
L	REVISED	DWG	JPD	05/05/15	
M	ENGINEER	CHANGE	LA	02/24/17	
N	ADDRESS	UPDATE	SM	02/27/20	
O	2020	FBC	UPDATE	NUS	07/06/20
P	STRIKE	UPDATE	LL	04/06/22	



By Ishag I. Chande  
Miami-Dade Product Control

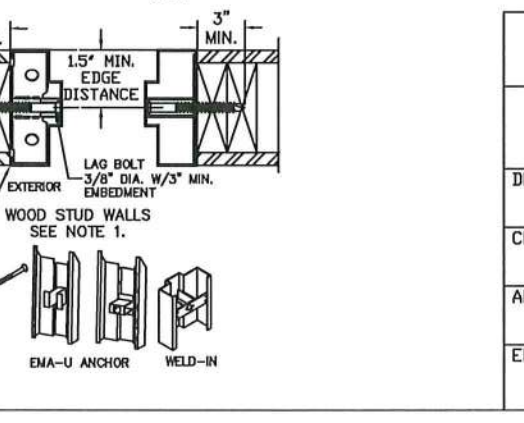
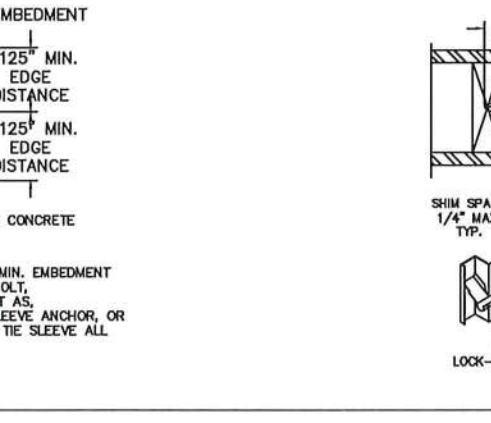
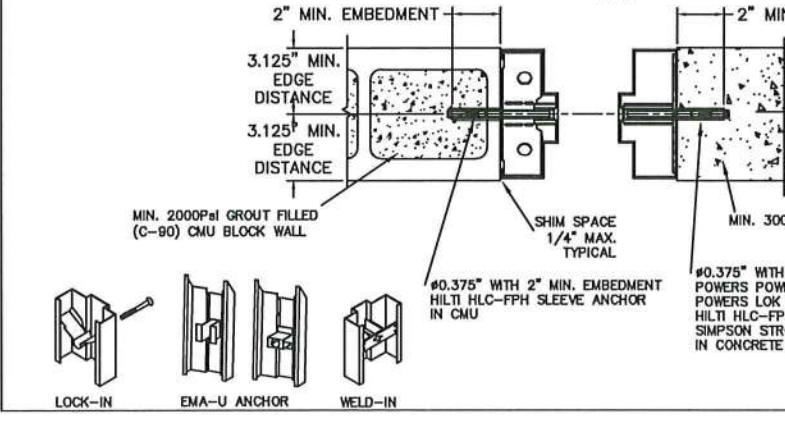
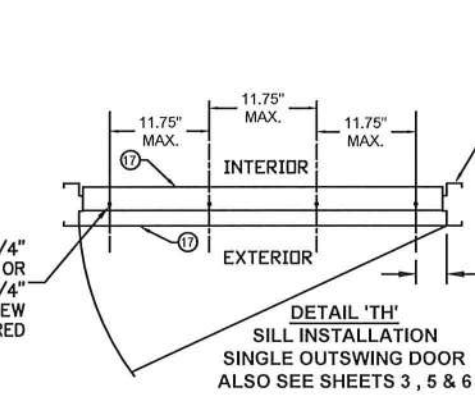
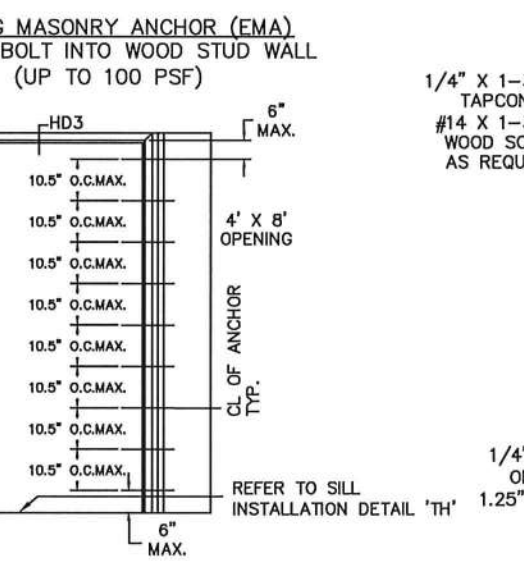
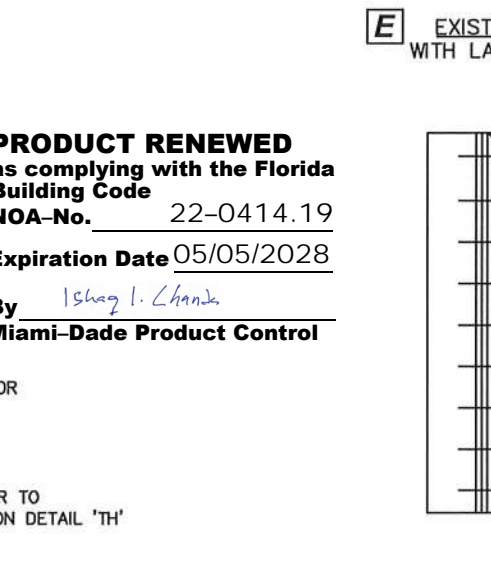
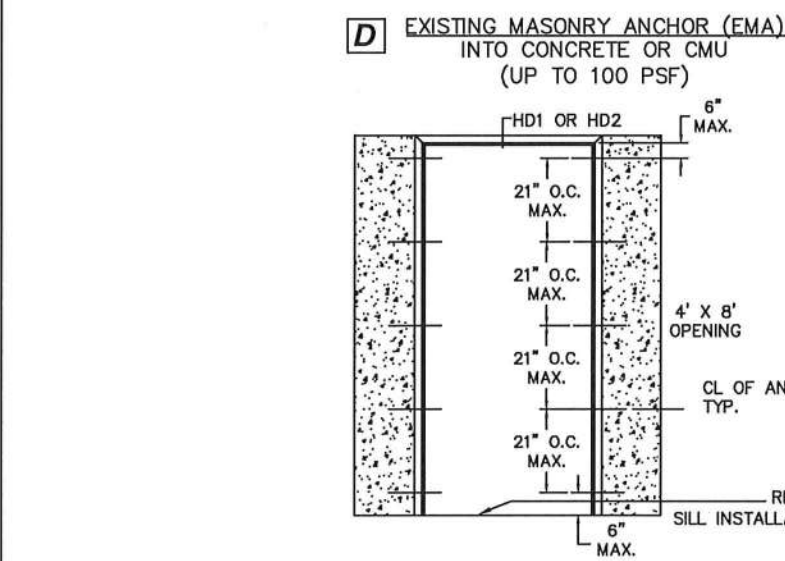
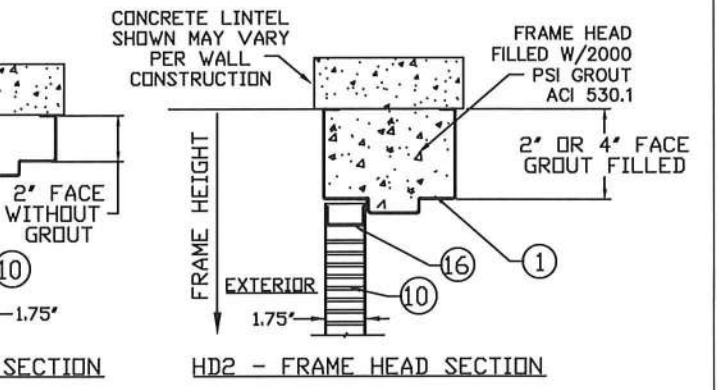
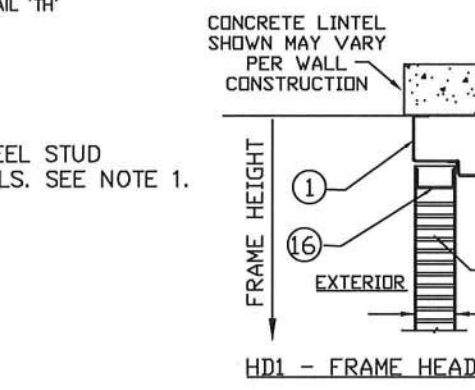
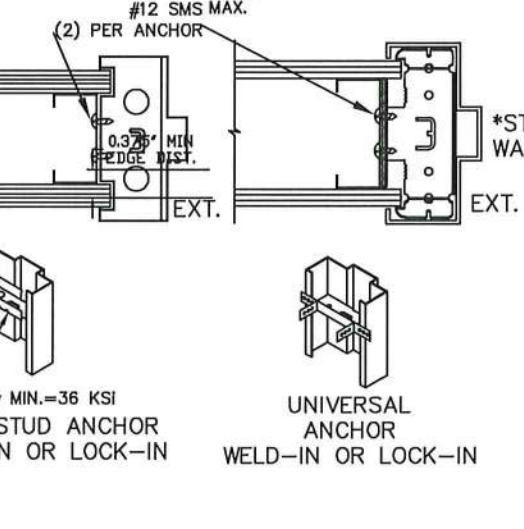
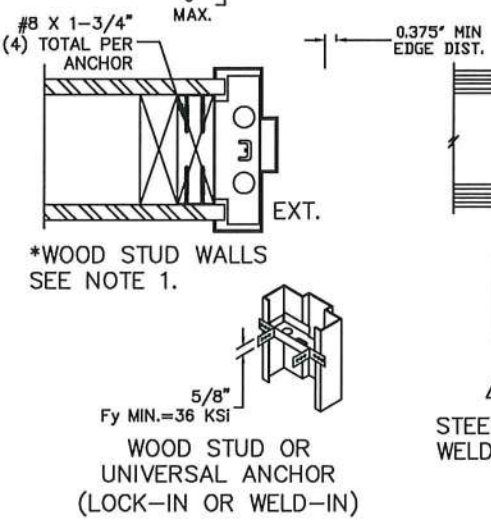
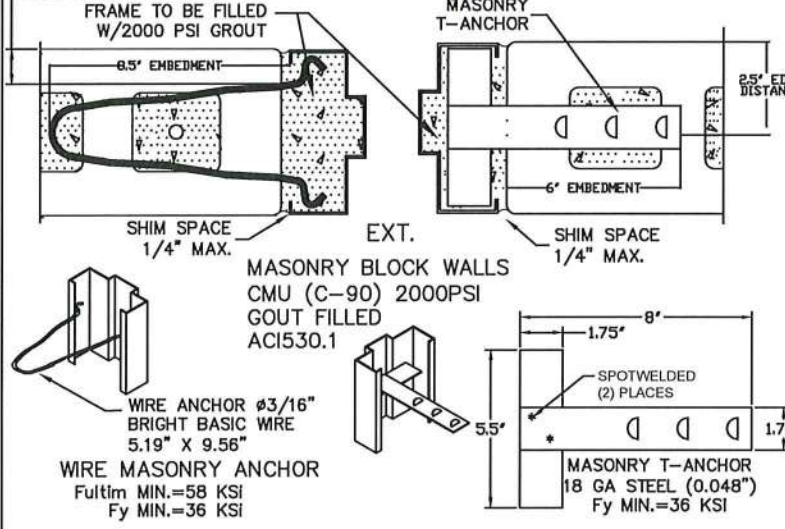
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	H-SERIES SINGLE GLASS DOORS (OUTSWING)			
CHECKED					
APPROVED		SIZE FLAT	DWG NO. IRGS07	REV P	
ENG. APPVL JPD	11/15/07	SCALE: NTS	AUTOCAD	SHEET 3 of 16	





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

REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
F	REVISED DWG	YMF	01/30/09	
H	REVISED DWG	YMF	04/09/10	
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	02/10/17	
N	ADDRESS UPDATE	SM	02/27/20	
O	2020 FBC UPDATE	NUS	07/06/20	
P	STRIKE UPDATE	LL	04/06/22	



BEND RADIUS		THIRD ANGLE PROJECTION		DRAWN YMF		DATE 05/20/07	
CHECKED		APPROVED		SIZE		DWG NO.	
ENG. APPVL JPD		10/11/07		SCALE: NTS		AUTOCAD	
SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				TITLE: STEELCRAFT H SERIES SINGLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES FRAME ANCHOR DETAILS & INSTALLATION CONDITIONS.			
MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242				REV P SHEET 4 of 16			





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

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
12A	566 THRESHOLD	ZERO INT'L
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT
21A	188S DOOR SEAL	ZERO INT'L
23A	139 DOOR SWEEP	ZERO INT'L
23B	328 DOOR SWEEP	ZERO INT'L
24A	475 ADJUSTABLE SEAL	ZERO INT'L
25A	142 RAIN DRIP	ZERO INT'L
25B	11 RAIN DRIP	ZERO INT'L
26	DOOR TOP CAP	STEELCRAFT

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

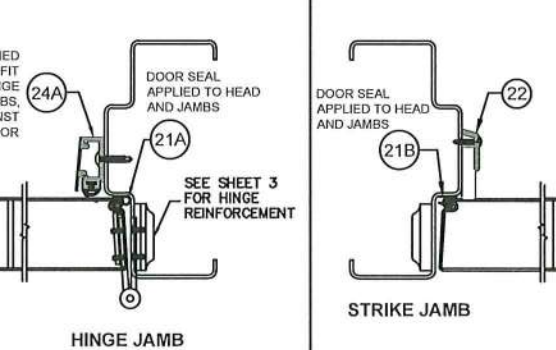
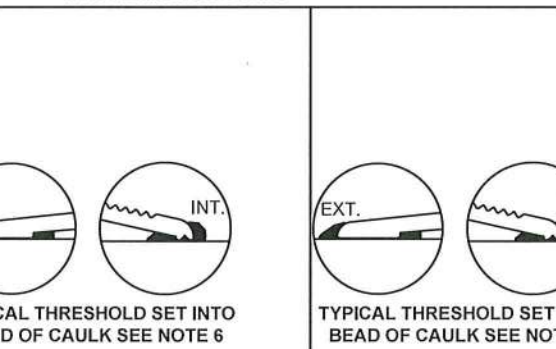
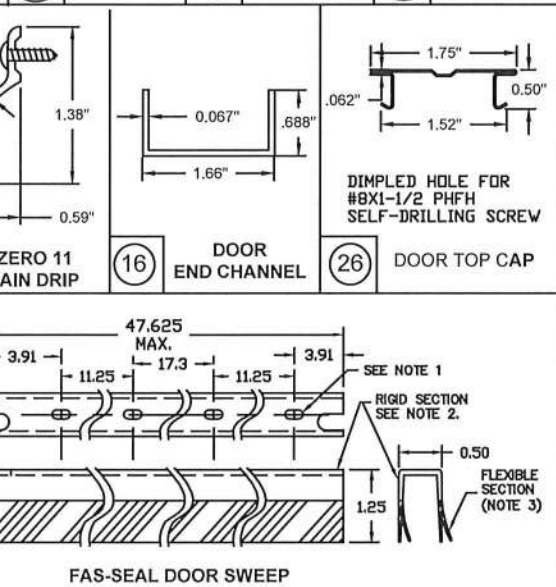
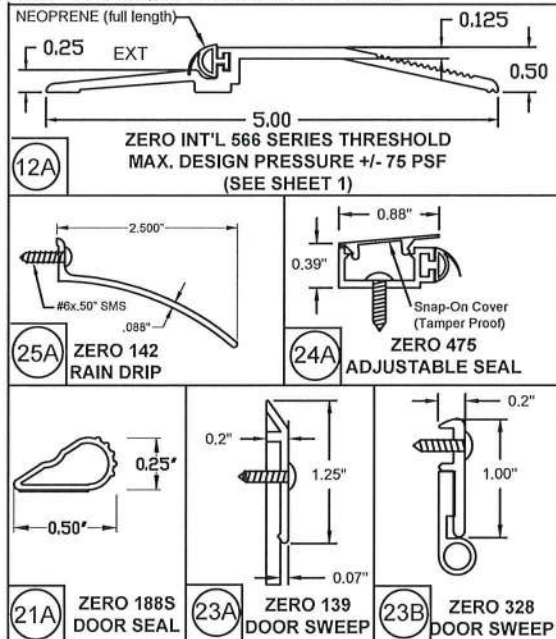
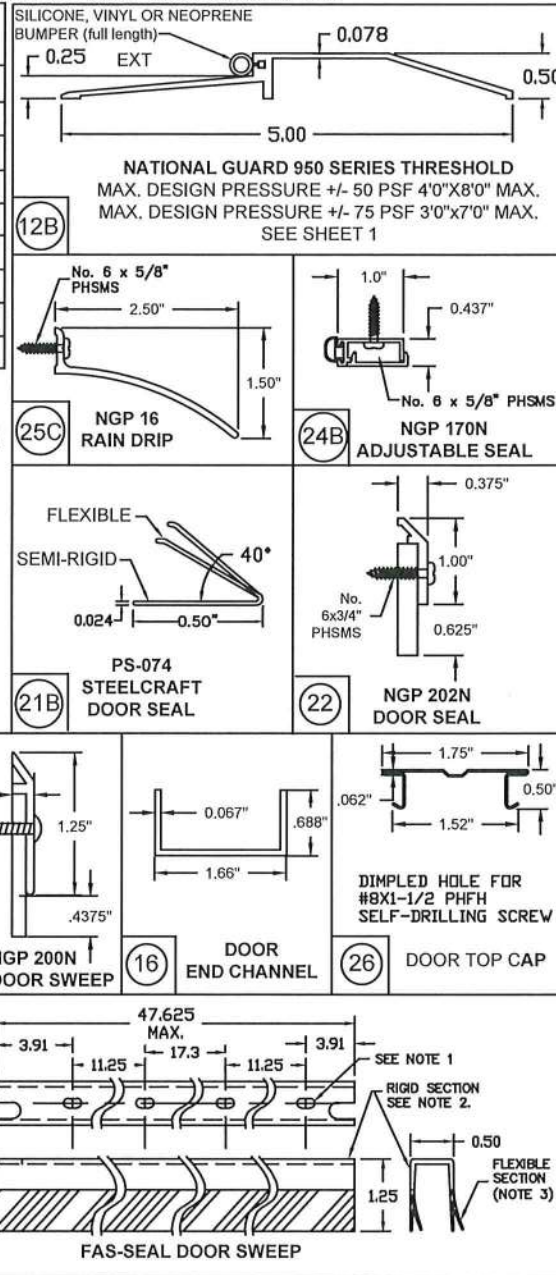
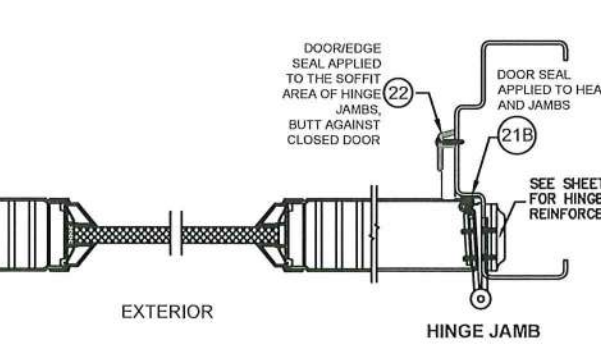
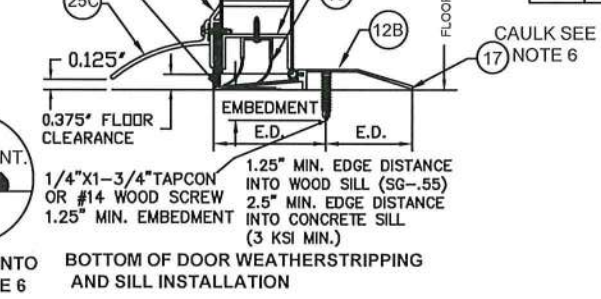
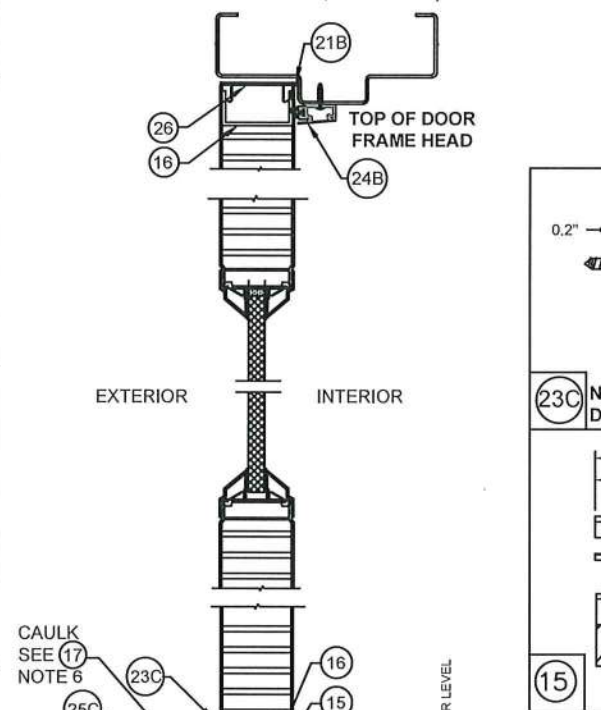


TABLE 3.2 WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
12B	950 THRESHOLD	NGP
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT
21B	PS074 DOOR SEAL	STEELCRAFT
22	202N DOOR SEAL	NGP
23C	200N DOOR SWEEP	NGP
24B	170N ADJUSTABLE SEAL	NGP
25C	16A RAIN DRIP	NGP
26	DOOR TOP CAP	STEELCRAFT

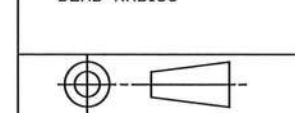
NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS FOR WATER INFILTRATION - MAXIMUM DESIGN PRESSURE RATING 75PSF FOR MAXIMUM DOOR SIZE OF 3'-0" X 7'-0" MAXIMUM DESIGN PRESSURE 50 PSF FOR MAXIMUM DOOR SIZE OF 4'-0" X 8'-0" (SEE ELEVATIONS, SHEET 1)



## NOTES:

1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
4. FAS-SEAL DOOR SWEEP (15), AND THRESHOLD (12A OR 12B AS REQUIRED) 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

CHECKED

APPROVED

ENG. APPVL JPD

DATE 05/20/07

10/11/07

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

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

SINGLE GLAZED DOOR PERIMETER SEAL HARDWARE  
APPROVED WHERE WATER INFILTRATION IS REQUIRED

SIZE FLAT DWG NO. IRGS07 REV P

SCALE: NTS AUTOCAD SHEET 5 of 16

## REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
B	TP14-0253-R	JPD	6-7-15
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	07/06/20
P	STRIKE UPDATE	LL	04/06/22

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0414.19

Expiration Date 05/05/2028

By *Ishag 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.
12	12A 566 THRESHOLD	ZERO INT'L
	12C 65 THRESHOLD	ZERO INT'L
	12D 568 THRESHOLD	ZERO INT'L
14	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
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT

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

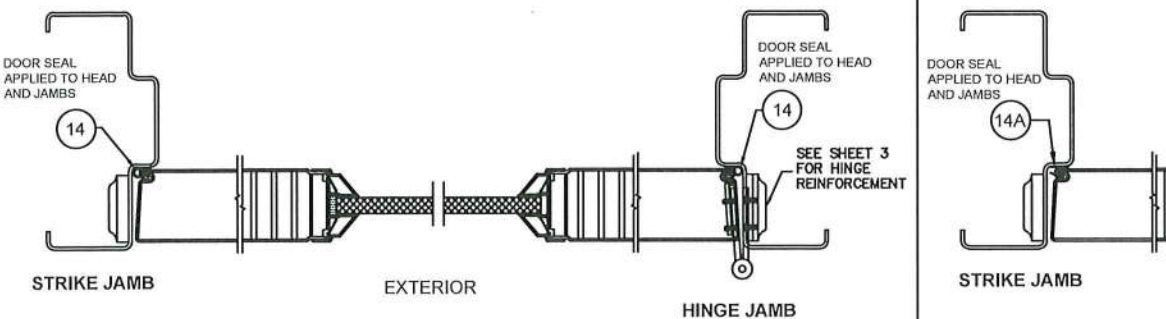
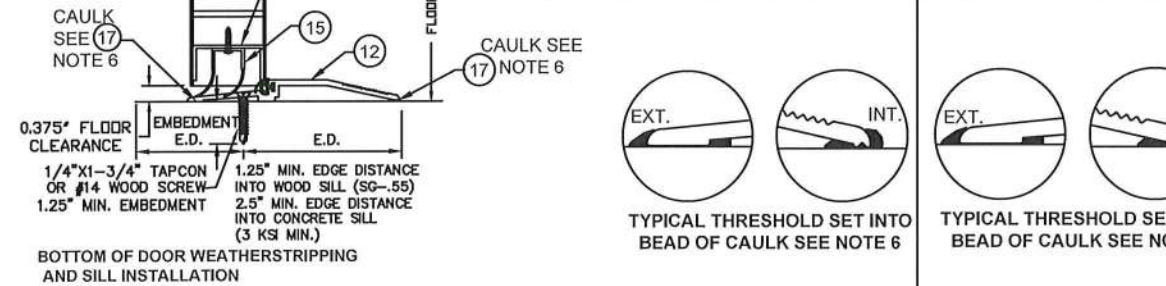
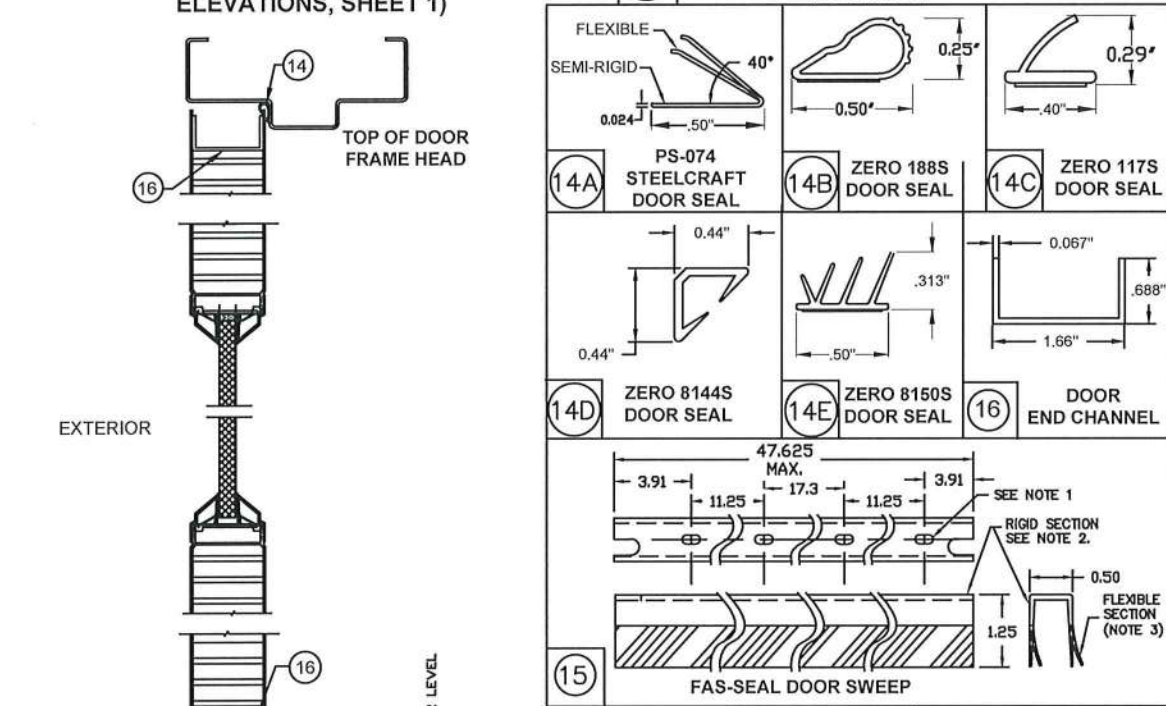
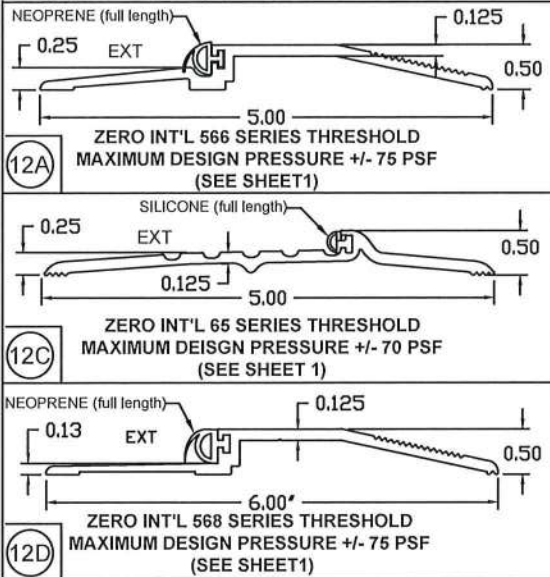
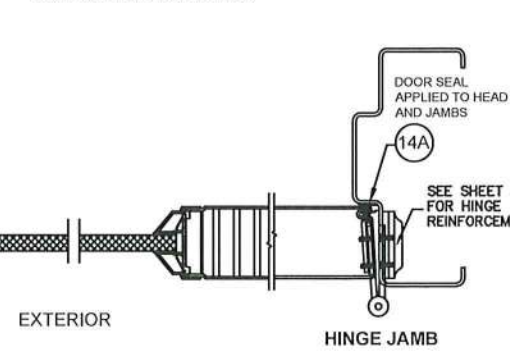
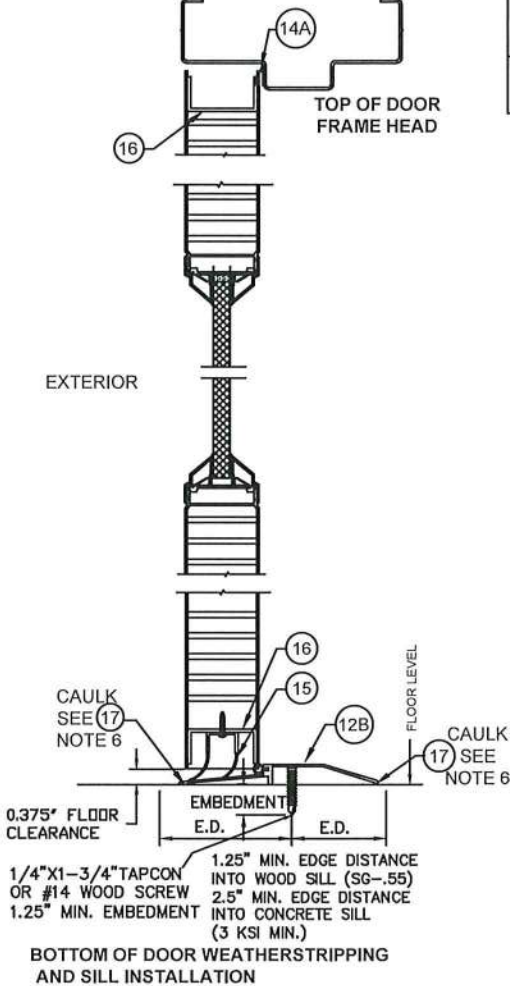
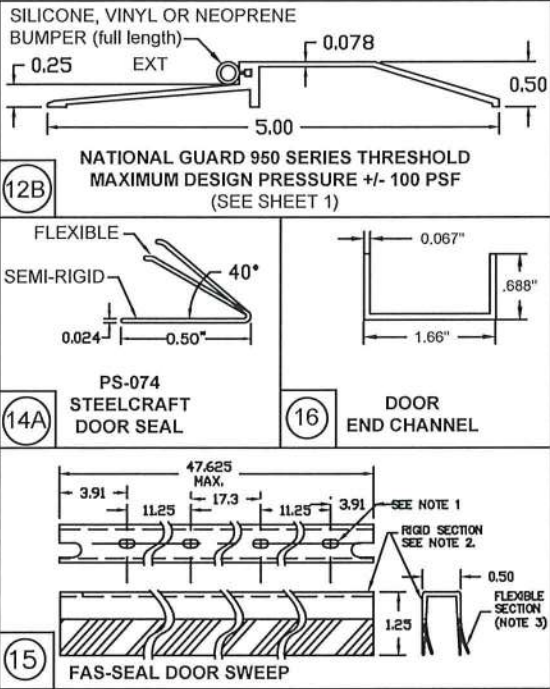


TABLE 4.2 NON WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
12B	950 THRESHOLD	NGP
14A	PS074 DOOR SEAL	STEELCRAFT
15	FAS-SEAL SWEEP	STEELCRAFT
16	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)



**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 NOA-No. 22-0414.19  
 Expiration Date 05/05/2028  
 By Ishag I. Chank  
 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 (14A, 14B, 14C, 14D, 14E) AND THRESHOLD (12A, 12B, 12C, 12D) 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

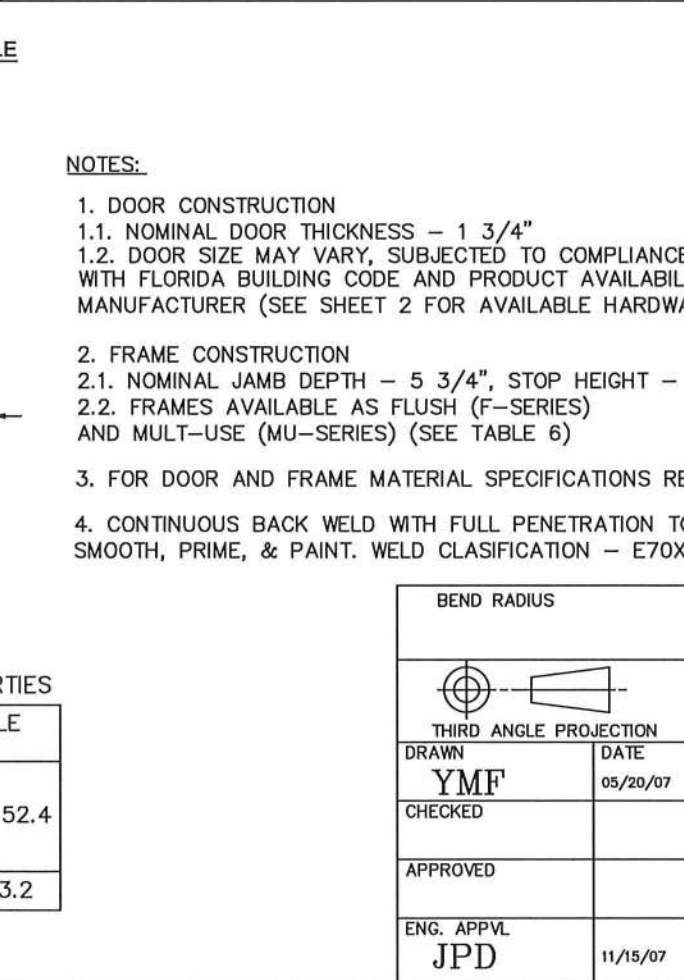
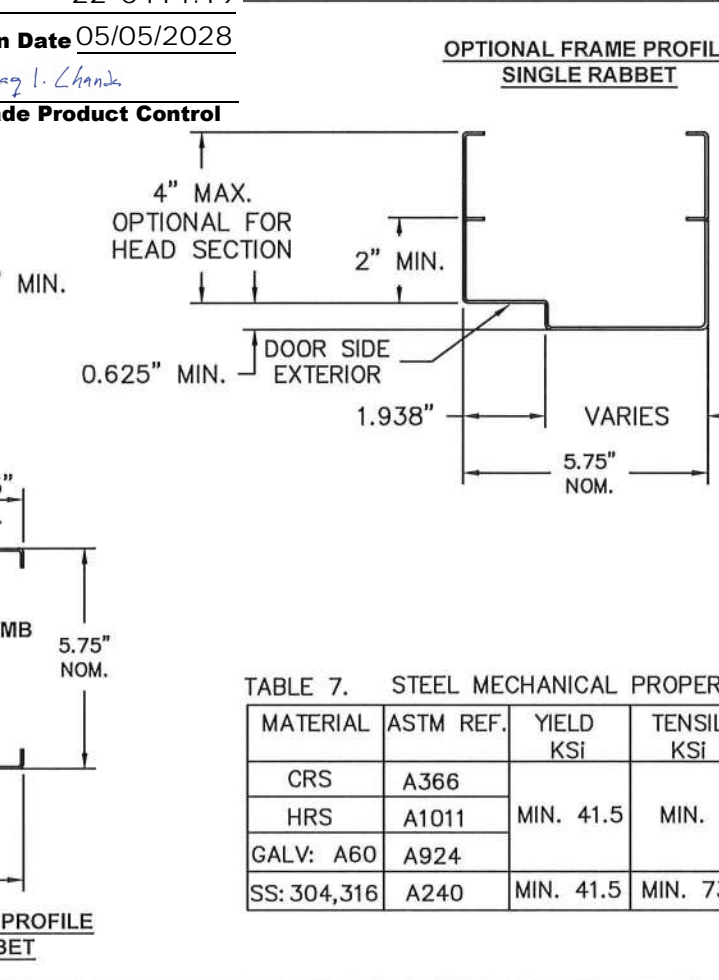
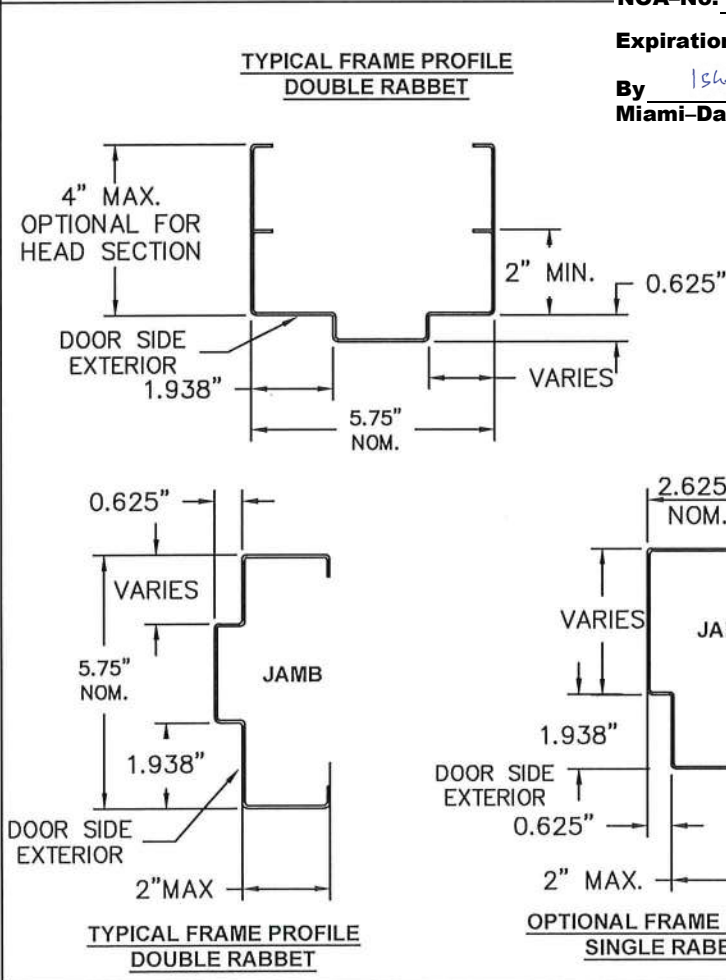
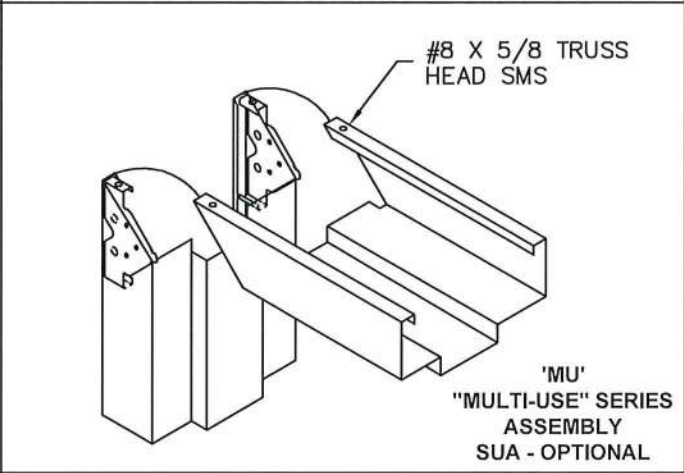
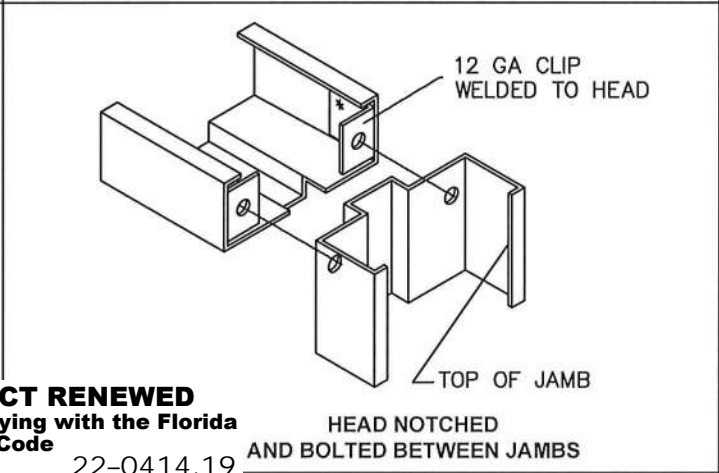
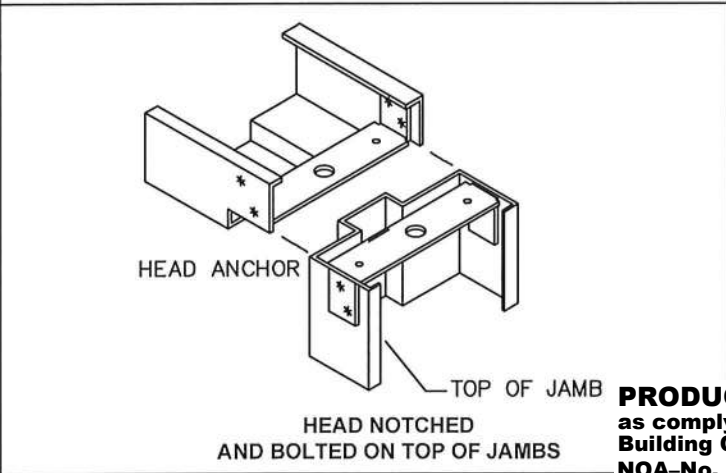
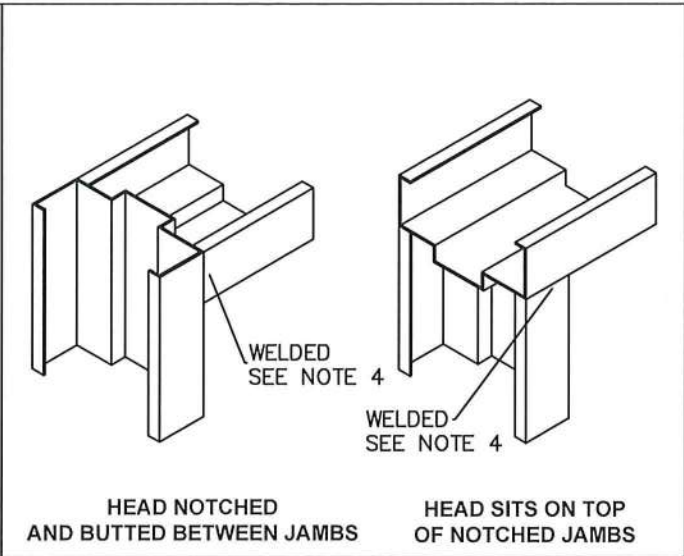
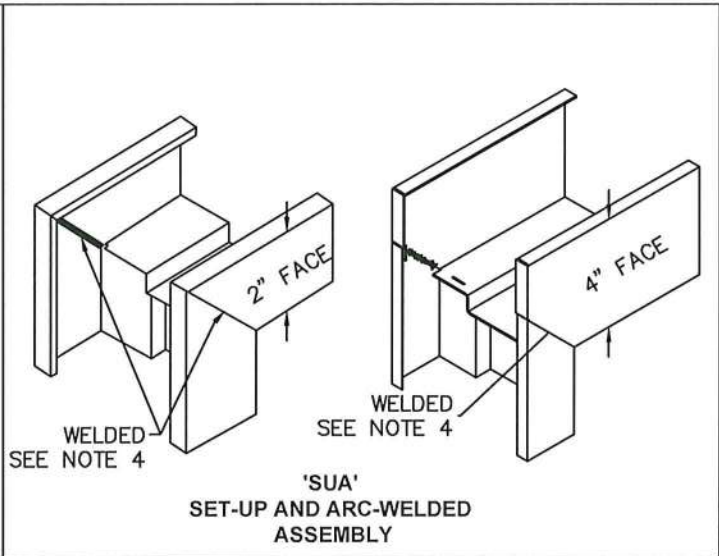
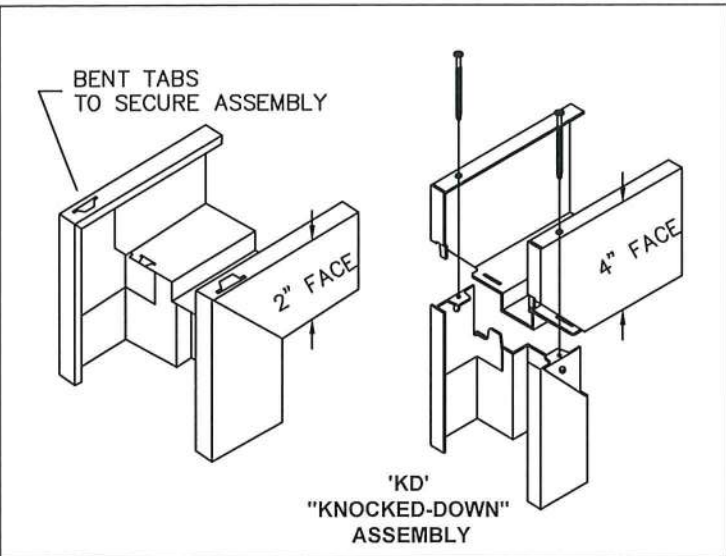
BEND RADIUS		THIRD ANGLE PROJECTION	
DRAWN YMF		DATE 05/20/07	
CHECKED		APPROVED	
ENG. APPVL JPD		DATE 10/11/07	
SHEET 6 of 16		REV P	
SCALE: NTS		AUTOCAD	
SIZE FLAT		DWG NO. IRGS07	
TITLE: STEELCRAFT H SERIES SINGLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES		SINGLE GLAZED DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS <u>NOT</u> REQUIRED	
MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		SHEET 6 of 16	

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
B	TP14-0253-R	JPD	6-7-15
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E	REVISED DWG	YMF	04/03/08
F	REVISED DWG	YMF	06/03/08
G	REVISED DWG	YMF	03/03/09
H	REVISED DWG	YMF	04/07/10
J	REVISED NAME	JPD	11/01/13
K	REVISED DWG	JPD	02/01/15
L	REVISED DWG	JPD	05/05/15
M	ENGINEER CHANGE	LA	02/03/17
N	ADDRESS UPDATE	SM	02/27/20
O	2020 FBC UPDATE	NUS	07/06/20
P	STRIKE UPDATE	LL	04/06/22







REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
E	REVISED PER_MDBCCO	YMF	01/30/09	
F	REVISED PER_MDBCCO	YMF	02/04/09	
G	REVISED DWG	YMF	01/04/10	
H	REVISED DWG	YMF	04/09/10	
J	REVISED NAME	JPD	11/01/13	
K	REVISED DWG	JPD	02/01/15	
M	ENGINEER CHANGE	LA	02/28/17	
N	ADDRESS UPDATE	SM	02/27/20	
O	2020 FBC UPDATE	NUS	07/06/20	
P	STRIKE UPDATE	LL	04/06/22	

TABLE 5. AVAILABLE STEELCRAFT DOOR CONFIGURATIONS				
CORE MATERIAL PER SHT.15	MAXIMUM OPENING SIZE		SKIN MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK
HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	VARIES SEE SHT 2 TABLE 1		CRS GALV	16/.053" 14/.067"
HONEYCOMB POLYSTYRENE POLYURETHANE	VARIES SEE SHT 2 TABLE 1		STAINLESS STEEL	16/.053"

TABLE 6. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS					
FRAME SERIES	JAMB DEPTH	MAXIMUM OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" NOM.	VARIES SEE SHT 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067" 12/.099"
				STAINLESS STEEL	16/.053"
MU	5.75" NOM.	VARIES SEE SHT 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067"

- 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)
  - FRAME CONSTRUCTION  
2.1. NOMINAL JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"  
2.2. FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULT-USE (MU-SERIES) (SEE TABLE 6)
  - FOR DOOR AND FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 7.
  - CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM, GRIND, SMOOTH, PRIME, & PAINT. WELD CLASSIFICATION - E70XX

TABLE 7. STEEL MECHANICAL PROPERTIES			
MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A366	MIN. 41.5	MIN. 52.4
HRS	A1011		
GALV: A60	A924	MIN. 41.5	MIN. 73.2
SS: 304,316	A240		

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN YMF

CHECKED

APPROVED

ENG. APPVL JPD

DATE 05/20/07

11/15/07

SCHLAGE LOCK COMPANY, LLC

11819 N. PENNSYLVANIA STREET

CARMEL, IN 46032

MANUFACTURING FACILITY:

STEELCRAFT

9017 BLUE ASH ROAD

CINCINNATI, OH 45242

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

FRAME PROFILE, CORNER DETAILS AND DOOR FRAME MATERIAL, AND SIZE OPTIONS.

SIZE FLAT

DWG NO.

SCALE: NTS AUTOCAD

SHEET 7 of 16

REV P

HERMES NORERO

LICENSE

No. 73778

STATE OF FLORIDA

7-18-2028

HERMES NORERO, P.E.

FLORIDA P.E. NO. 73778

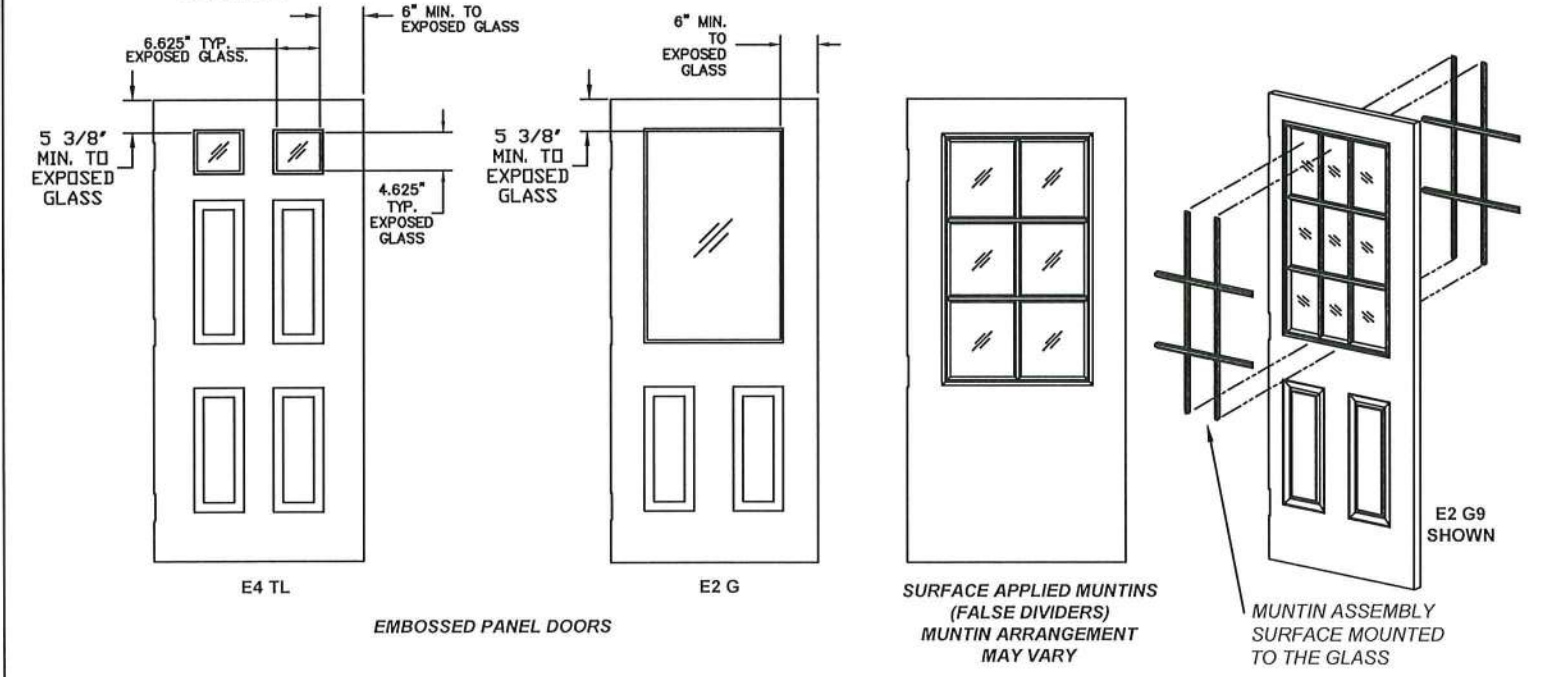
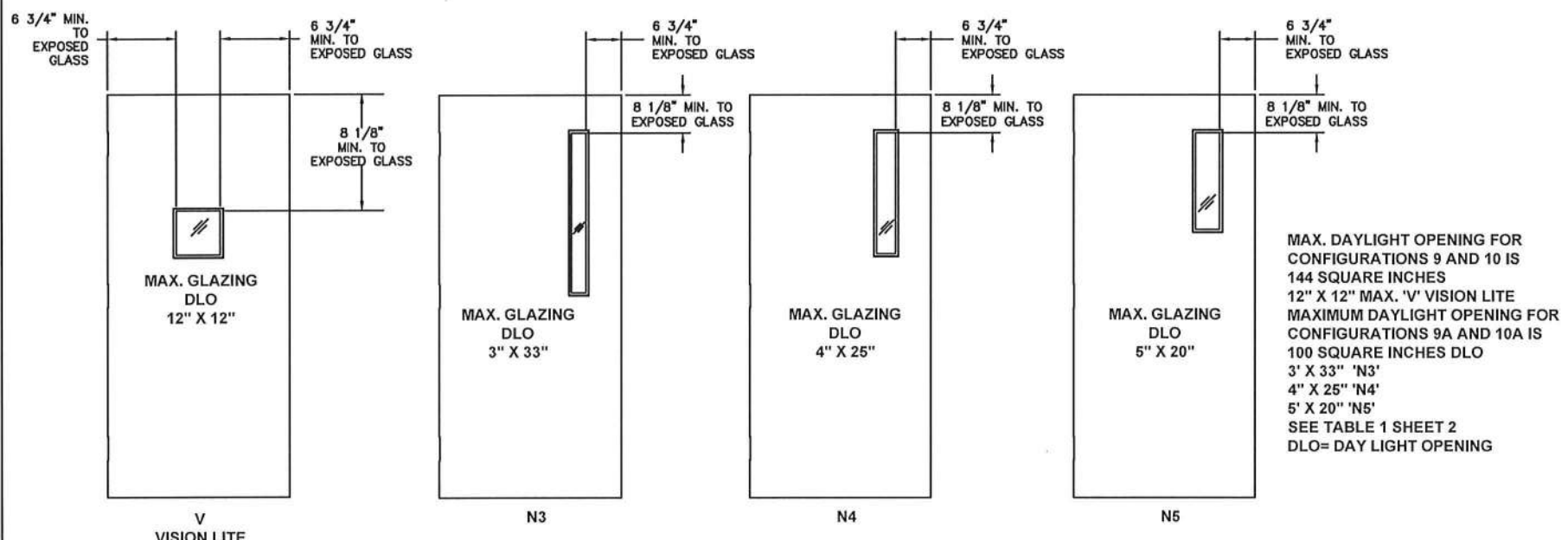
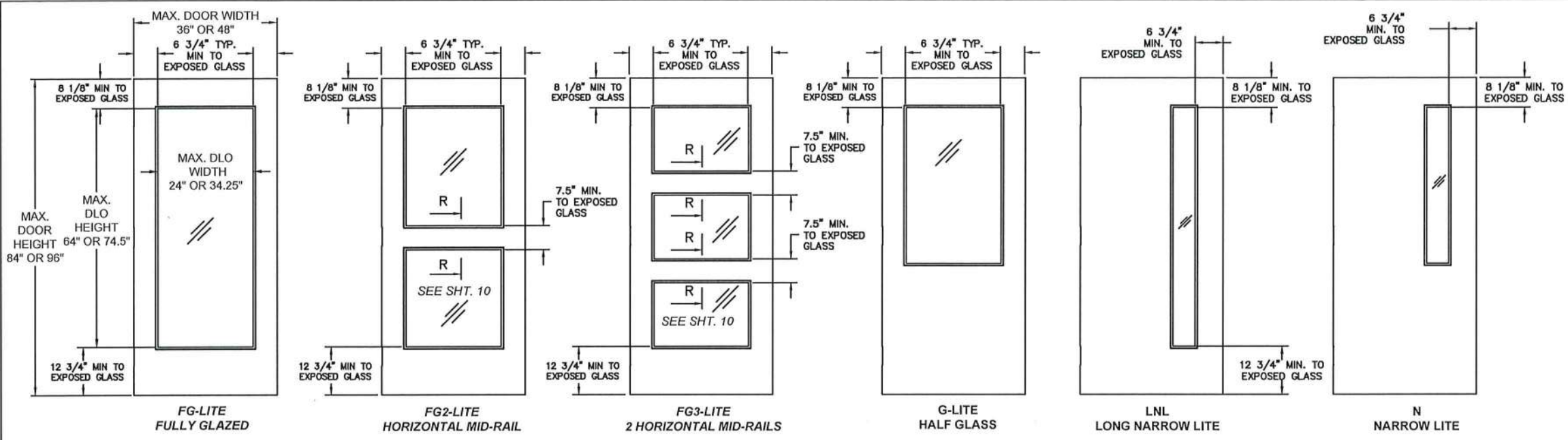
BUILDING DESIGN, INC.

3975 DANIA BEACH BLVD #338

DANIA BEACH, FL 33004

FBP/CERT. OF AUTHORIZATION NO. 29578



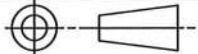


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E	REVISED PER_MDBCCD	YMF	01/30/09	
F	REVISED PER_MDBCCD	YMF	02/04/09	
G	REVISED DWG	YMF	01/04/10	
H	REVISED DWG	YMF	04/09/10	
J	REVISED NAME	JPD	11/01/13	
K	REVISED DWG	JPD	02/01/15	
L	ENGINEER CHANGE	LA	03/14/17	
N	ADDRESS UPDATE	SM	02/27/20	
O	2020 FBC UPDATE	NUS	07/06/20	
P	STRIKE UPDATE	LL	04/06/22	

- NOTES:
1. DOOR CONSTRUCTION
  2. NOMINAL DOOR THICKNESS - 1 3/4"
  3. ALL GLASS LITE TYPES SHOWN ON THIS SHEET ARE AVAILABLE FOR ALL DOOR CONFIGURATIONS SHOWN ON SHEET 1 AND TABLE 1 SHEET 2 EXCEPT FOR CONFIGURATIONS 9, 9A, 10 and 10A. SEE NOTE 4
  4. DOOR CONFIGURATION 9 and 10 AVAILABLE WITH 'V' VISION LITE AND 9A and 10A ARE AVAILABLE WITH N3, N4 AND N5 TYPE LITES. (SEE TABLE 1 SHEET 2)
  5. MAXIMUM GLAZING DLO HEIGHT AND WIDTH AS PER SHEETS 1, 2, AND 8.
  6. GLAZING OPENING DLO SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE.(SEE TABLE 1 SHEET 2 FOR LIMITATIONS)
  7. DOOR SIZE MAY VARY, SUBJECTED TO COMPLIANCE WITH FLORIDA BUILDING CODE AND PRODUCT AVAILABILITY FROM MANUFACTURER.
  8. GLASS LITES NOT LIMITED TO THOSE SHOWN, PROVIDED DIMENSIONS SHOWN ARE MAINTAINED. SEE TABLE 1 SHEET 2 )
  9. DOORS WITH MULTIPLE GLASS LITES ARE NOT LIMITED TO THE DESIGNS SHOWN, PROVIDED THE DIMENSIONS SHOWN ARE MAINTAINED.(SEE TABLE 1 SHEET 2 FOR LIMITATIONS)
  10. WHEN USING A CONTINUOUS HINGE THE MINIMUM DISTANCE FROM THE EDGE OF THE DOOR TO EXPOSED GLASS IS 6-1/4" AT STILES AND 7-1/2" AT MID RAILS.
  11. DLO = DAYLIGHT OPENING (SEE TABLE 1 SHEET 2 FOR LIMITATIONS)

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0414.19  
Expiration Date 05/05/2028  
By Ishaq I. Chank  
Miami-Dade Product Control

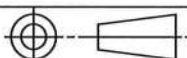


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		
						
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES				
DRAWN YMF		DATE 05/20/07				
CHECKED				GLASS DOOR CONFIGURATIONS.		
APPROVED				SIZE FLAT	DWG NO. IRGS07	REV P
ENG. APPVL JPD		11/15/07		SCALE: NTS	AUTOCAD	SHEET 8 of 16

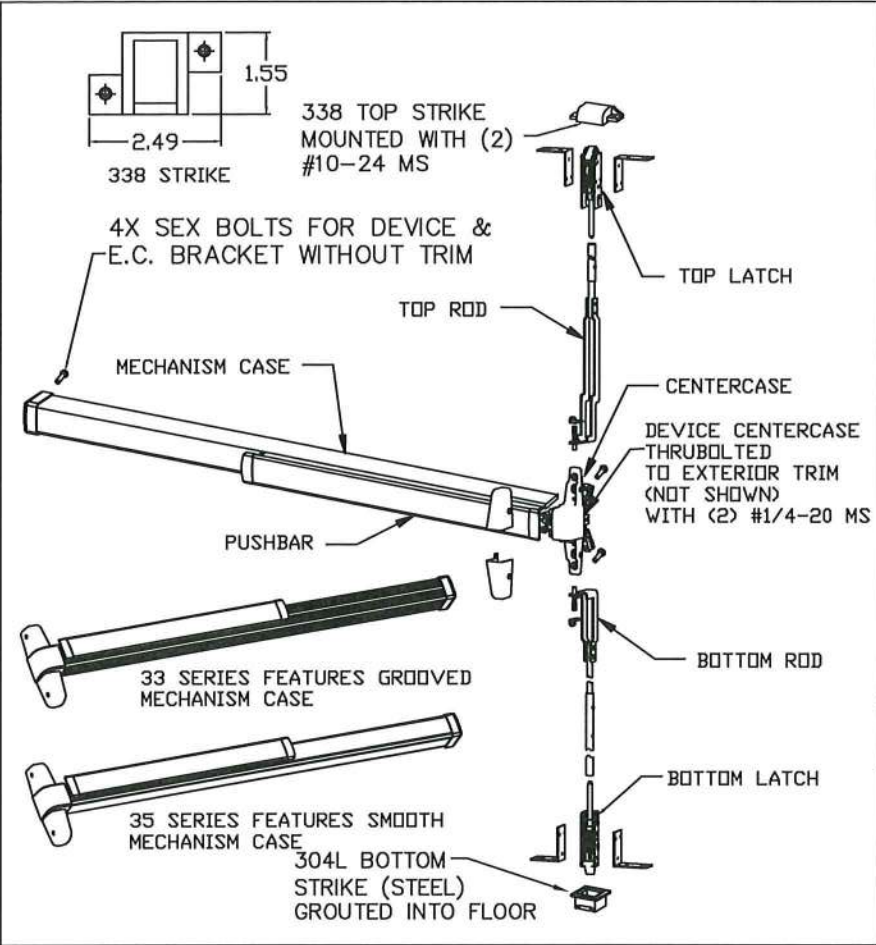




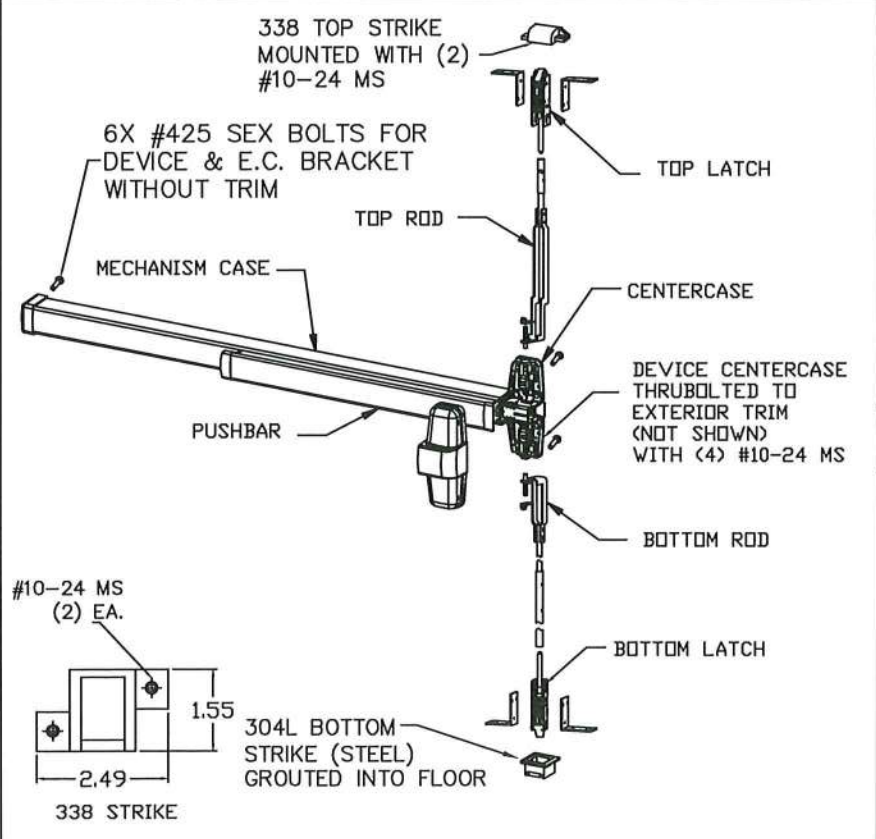


BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		
THIRD ANGLE PROJECTION				TITLE: STEELCRAFT H SERIES SINGLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES				
DRAWN YMF	DATE 05/20/07	EXIT HARDWARE FOR GLASS SINGLE DOORS.						
CHECKED	CDATE							
APPROVED	ADATE	SIZE	FLAT	DWG NO.		IRGS07		REV P
ENG. APPVL JPD	EDATE 11/15/07	SCALE	NTS	AUTOCAD		SHEET 10 of 16		

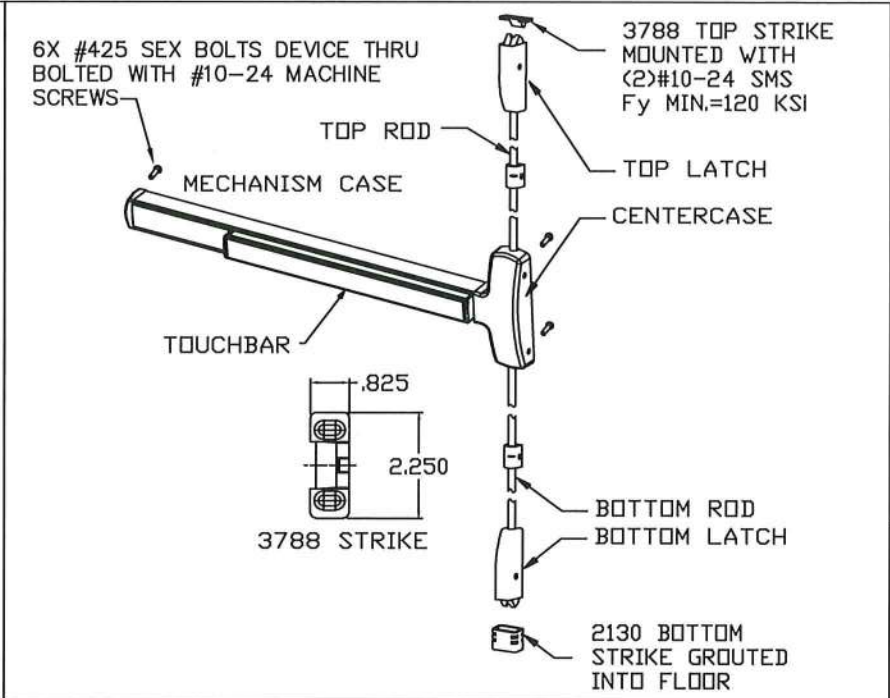




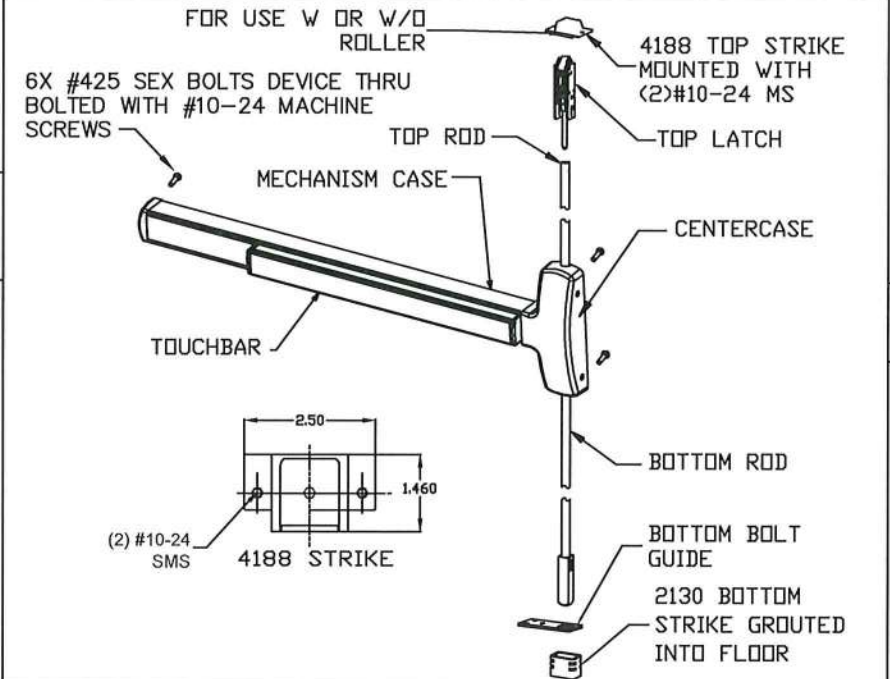
VON DUPRIN SERIES 33/3547A-F & HH33/3547A CONCEALED VERTICAL ROD EXIT DEVICE WITH 2-3/4" BACKSET USED IN COMFIGURATION 4



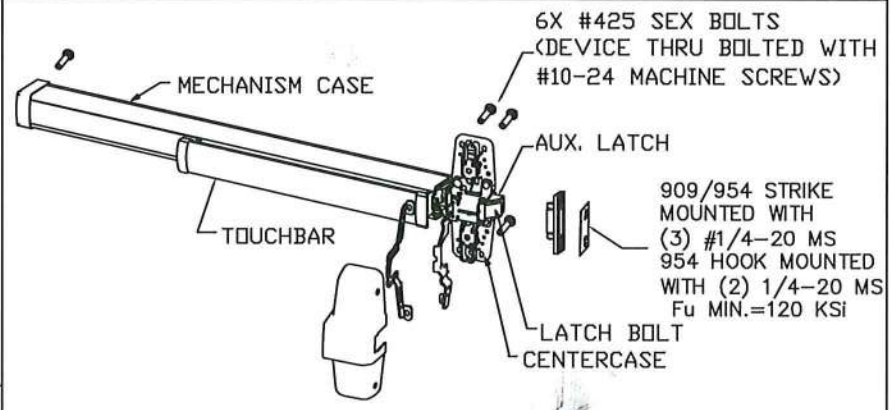
VON DUPRIN 98/9947-F & HH98/9947 CONCEALED VERTICAL ROD EXIT DEVICE WITH 2-3/4" BACKSET USED IN CONFIGURATION 4



FALCON 25-V, F-25-V SURFACE VERTICAL ROD EXIT DEVICE USED IN DOOR CONFIGURATION 3 (SEE SHT.1)



FALCON F-25-C, CONCEALED VERTICAL ROD EXIT DEVICE USED IN DOOR CONFIGURATION 4 (SEE SHT.1)

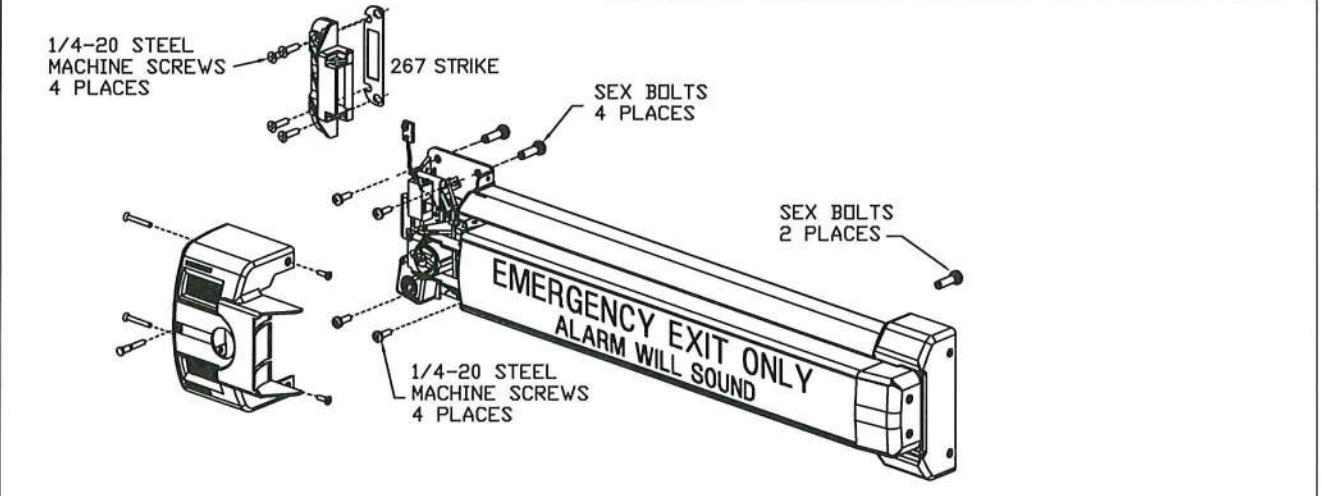


VON DUPRIN XP98, XP99, XP98-F, XP99-F USED IN CONFIGURATIONS: 9 & 9A

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
NOA-No. 22-0414.19  
Expiration Date 05/05/2028

By Ishag I. Chanda  
Miami-Dade Product Control

REVISIONS				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL	DWG	YMF	05/20/07
D	REVISED	DWG	YMF	07/28/08
E	REVISED	PER_MDBCCO	YMF	01/30/09
F	REVISED	PER_MDBCCO	YMF	02/05/09
G	REVISED	DWG	YMF	01/13/10
H	REVISED	DWG	YMF	04/09/10
J	REVISED	NAME	JPD	11/01/13
K	REVISED	DWG	JPD	02/01/15
M	ENGINEER	CHANGE	LA	03/14/17
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O	2020 FBC	UPDATE	NUS	07/06/20
P	STRIKE	UPDATE	LL	04/06/22

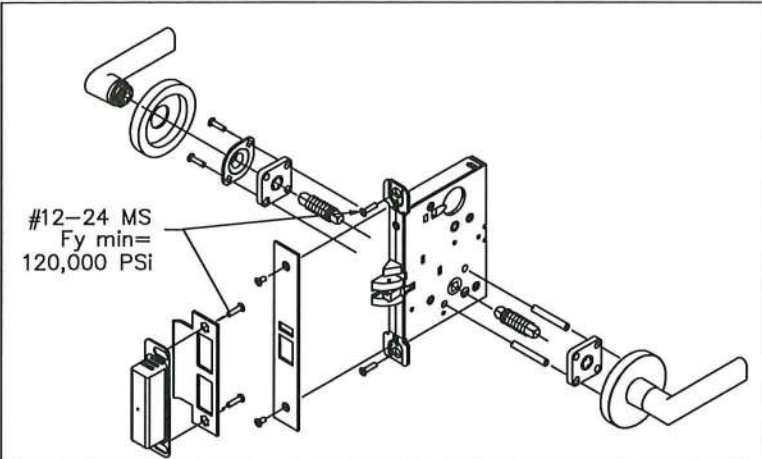


VON DUPRIN SERIES 2670 GAURD-X USED IN CONFIGURATIONS: 10 & 10A

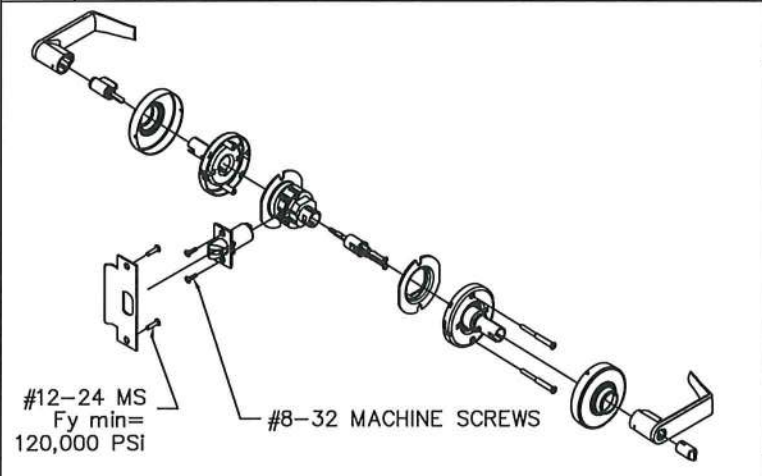
NOTES:  
1. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.  
2. EXIT HARDWARE OPTIONS:  
FOR 98/99 & XP98/99 SERIES - OPTIONS E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN (OPTIONS MAY VARY PER SERIES)  
TRIMS: ALL APPLICABLE TRIMS AVAILABLE..  
PN MODEL OFFERED.  
FOR 33/35-F SERIES - OPTIONS RX, LX, EL, QEL, SS, CX, F, ALK, CD, PN, LD  
TRIM: ALL APPLICABLE TRIMS AVAILABLE.  
FOR 2670 GUARD-X  
TRIM: ALL APPLICABLE TRIMS AVAILABLE.  
F-25-C & (F)25V SERIES - OPTIONS AE, DM, LM, LK, KOR, MEL, EA, FSA, FSE, CD, RX, LD  
TRIMS: ALL APPLICABLE TRIM AVAILABLE

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 OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES				
DRAWN YMF	DATE 05/20/07	HARDWARE OPTIONS FOR GLASS SINGLE DOORS.				
CHECKED						
APPROVED		SIZE	FLAT	DWG NO.	IRGS07	REV P
ENG. APPVL JPD	11/15/07	SCALE	NTS	AUTOCAD		SHEET 11 of 16

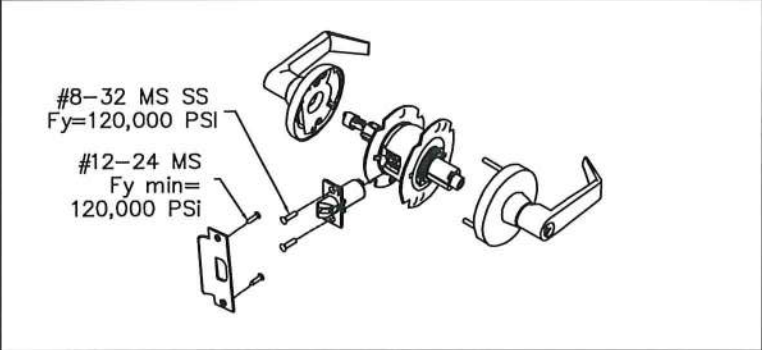




SCHLAGE L/LV 9000 SERIES MORTISE LOCKSET W/O DEADBOLT 3/4" MIN LATCH THROW. USED IN CONFIGURATIONS: 1 & 11

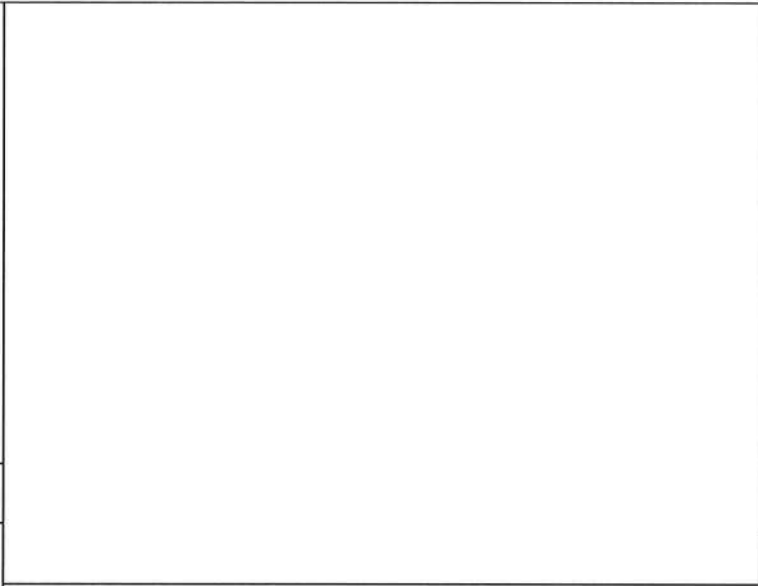


SCHLAGE D/ND-SERIES CYLINDRICAL LEVER LOCKSET 1/2" MIN LATCH THROW. USED IN CONFIGURATIONS: 2 & 12

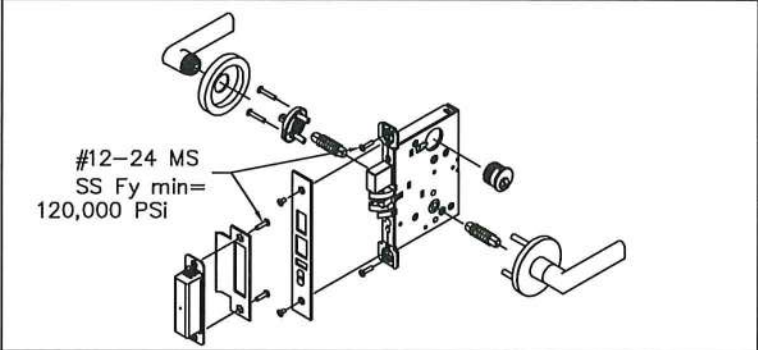


FALCON, T-SERIES CYLINDRICAL LEVER LOCKSET 1/2" MIN LATCH THROW. USED IN CONFIGURATIONS: 2 & 12

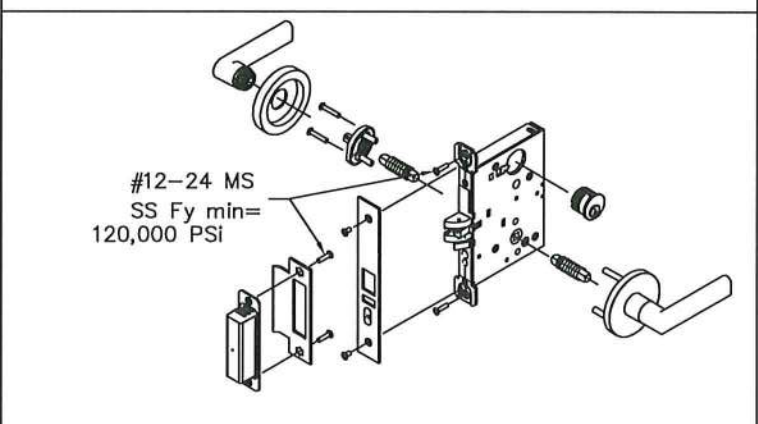
NOTE:  
ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.



SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET W/ DEADBOLT LATCH THROW MIN 3/4", BOLT THROW MIN 1" USED IN CONFIGURATIONS: 1 & 11



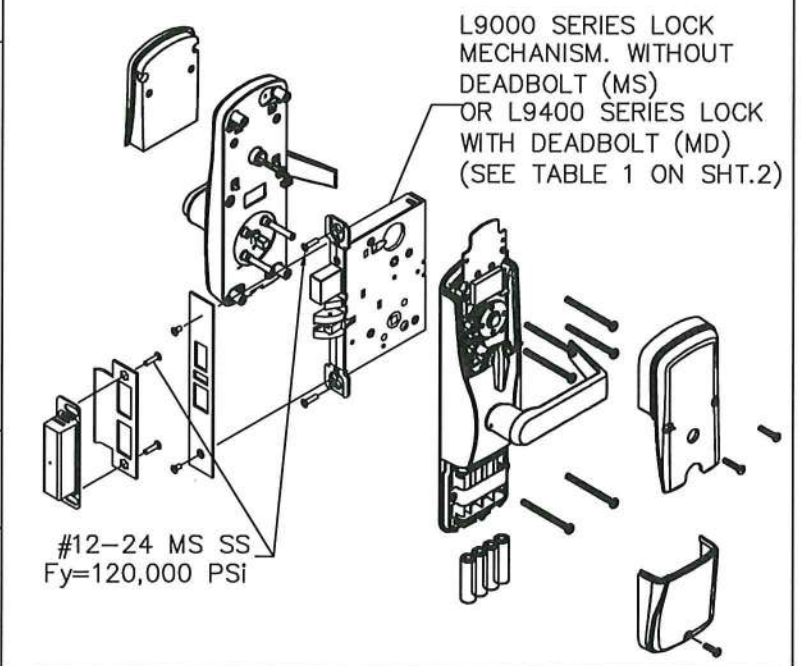
FALCON MA-SERIES MORTISE LOCKSET W/ DEADBOLT SHOWN LATCH THROW MIN 3/4", BOLT THROW MIN 1" USED IN CONFIGURATIONS: 1 & 11



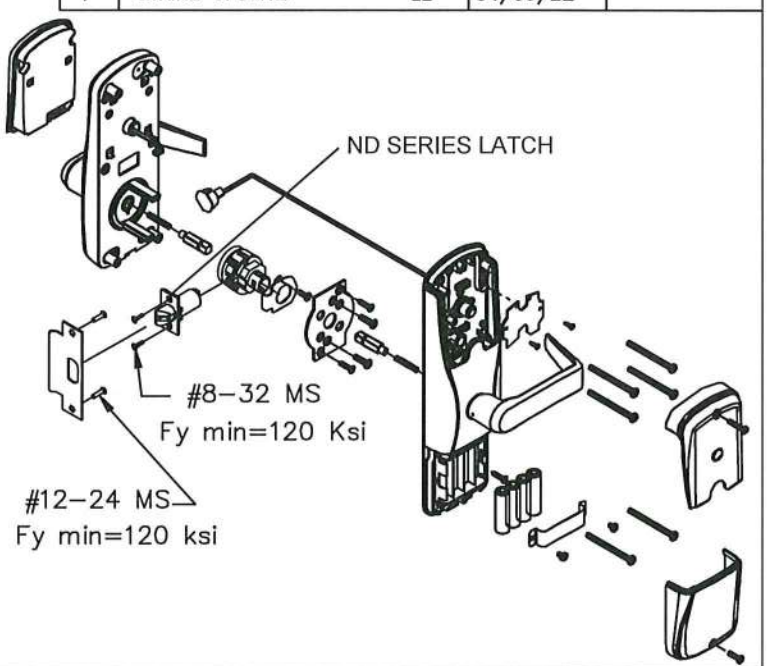
FALCON MA-SERIES MORTISE LOCKSET W/O DEADBOLT SHOWN (MIN THROW - 3/4") USED IN CONFIGURATIONS: 1 & 11

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NOA-No. 22-0414.19  
Expiration Date 05/05/2028  
By Ishaq I. Chande  
Miami-Dade Product Control

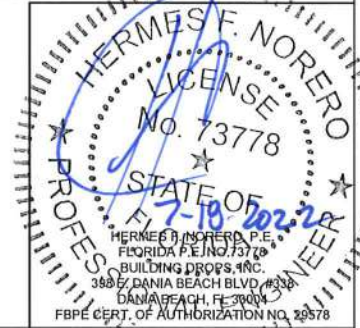
REVISIONS					
LTR	DESCRIPTION		DATE	APPROVED	
A	APPROVAL	DWG	YMF	05/20/07	
D	REVISED	DWG	YMF	07/28/08	
E	REVISED	PER_MDBCCO	YMF	01/30/09	
F	REVISED	PER_MDBCCO	YMF	02/05/09	
G	REVISED	PER_MFR	YMF	05/18/09	
H	REVISED	PER_MDBCCO	YMF	05/18/09	
J	REVISED	NAME	JPD	11/01/13	
K	REVISED	DWG	JPD	02/01/15	
M	ENGINEER	CHANGE	LA	03/14/17	
N	ADDRESS	UPDATE	SM	02/27/20	
O	2020 FBC	UPDATE	NUS	07/06/20	
P	STRIKE	UPDATE	LL	04/06/22	



SCHLAGE AD/CO MD OR MS SERIES MORTISE LOCKSET USED IN CONFIGURATIONS: 1 & 11 (SEE SHT. 1)

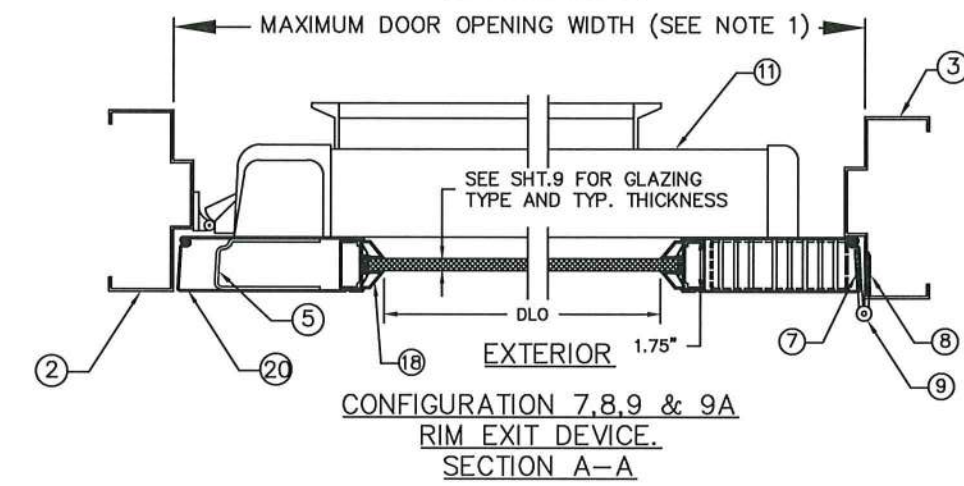
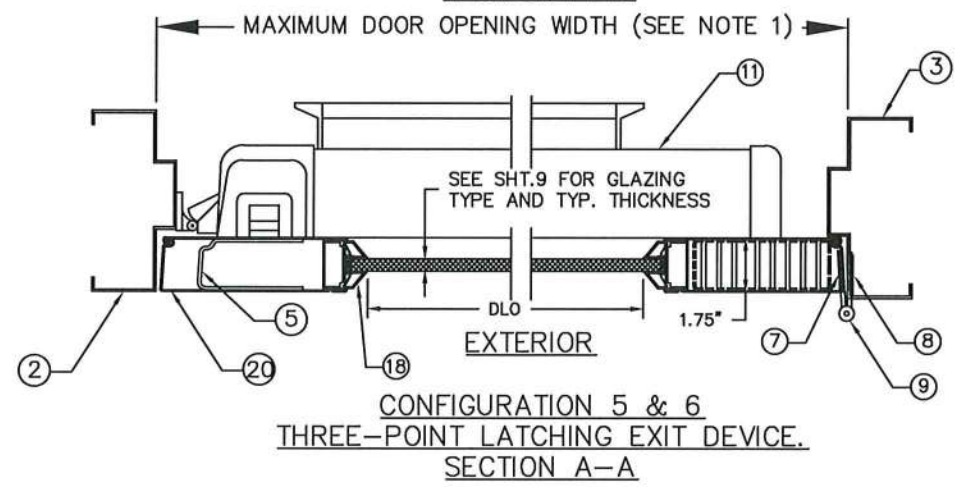
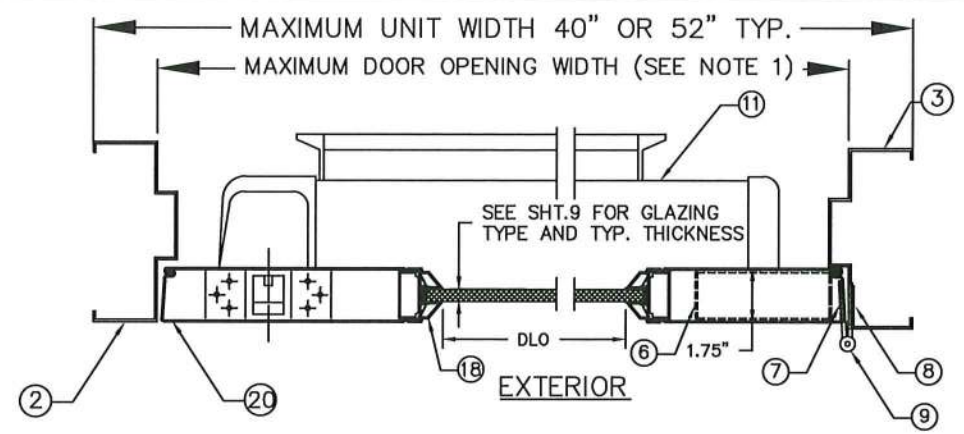
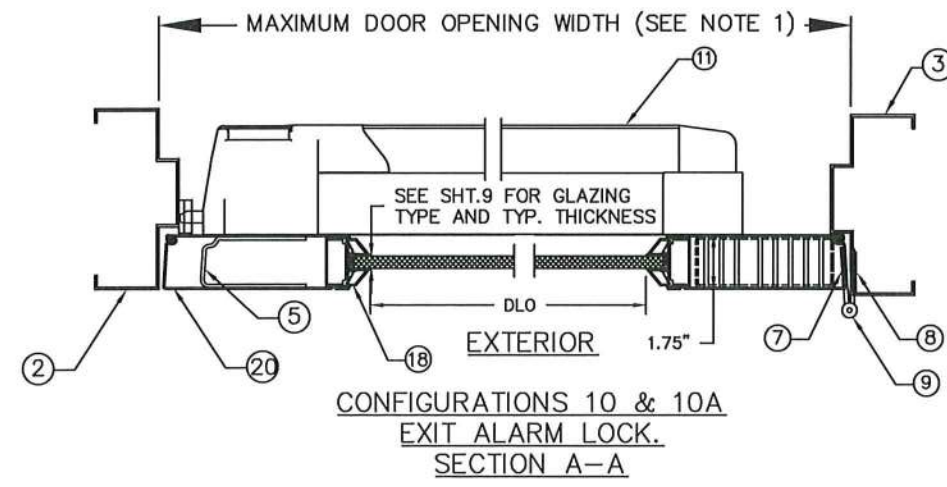
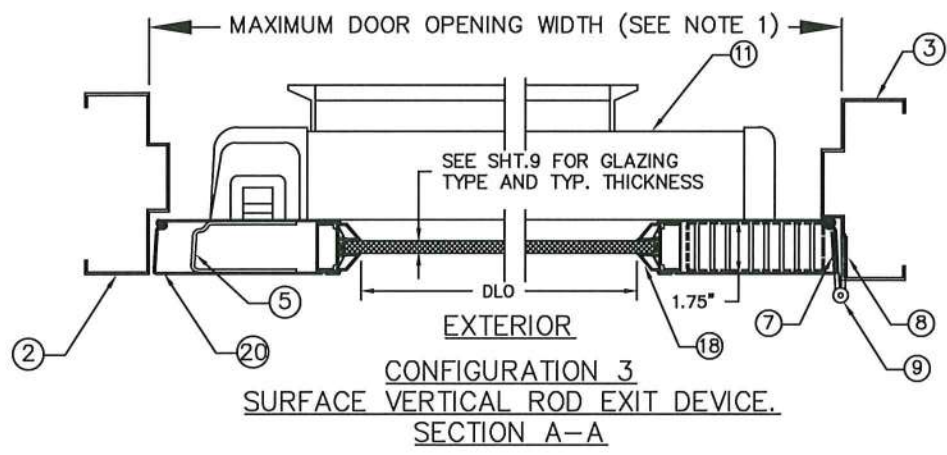
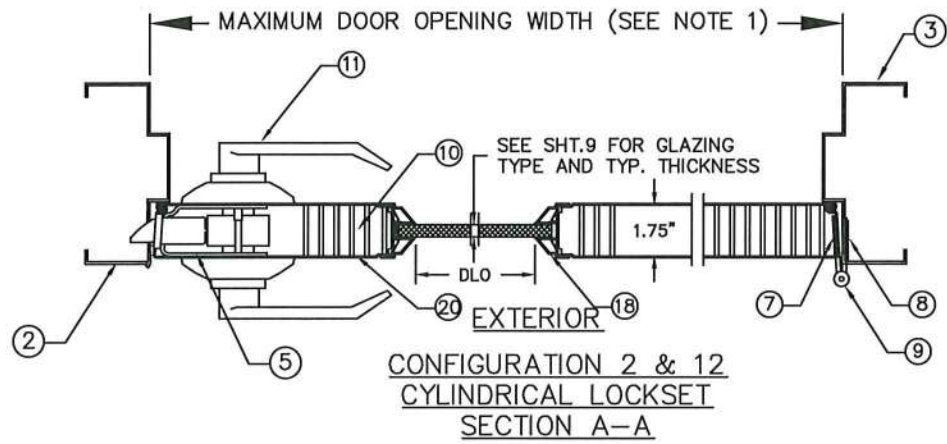
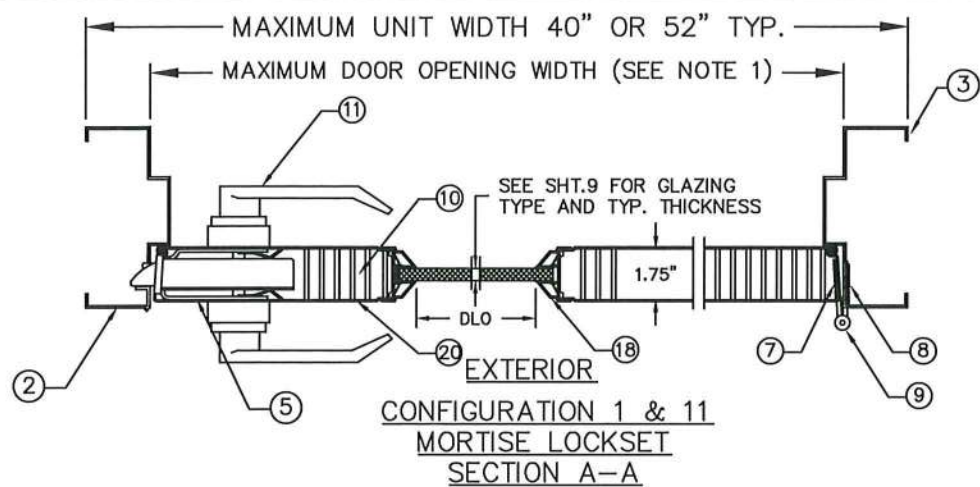


SCHLAGE AD/CO CY SERIES CYLINDRICAL LOCKSET USED IN CONFIGURATIONS: 2 & 12 (SEE SHT.1)



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
DRAWN	DATE	TITLE: STEELCRAFT H SERIES SINGLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
YMF	05/20/07	LOCKSET HARDWARE FOR GLASS SINGLE DOORS			
CHECKED					
APPROVED		SIZE	FLAT	DWG NO.	REV
ENG. APPVL		IRGS07			P
JPD	11/15/07	SCALE:	NTS	AUTOCAD	SHEET 12 of 16

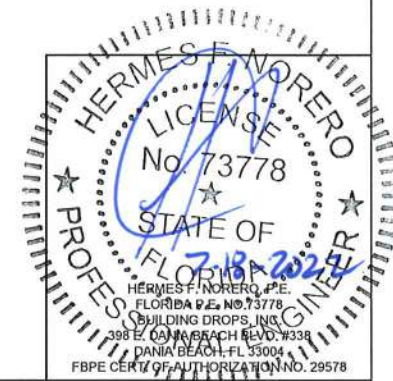


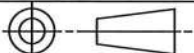


**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0414.19  
Expiration Date 05/05/2028  
By *Ishag I. Chande*  
Miami-Dade Product Control

NOTES:  
1. FOR MAXIMUM DOOR OPENING, UNIT WIDTH AND GLASS (DLO) SIZE, SEE TABLE 1 ON SHEET 2 AND SHEETS 8 & 9 FOR LIMITATIONS.  
2. SEE SHEET 4 FOR ANCHOR INSTALLATION AND SILL INSTALLATION DETAILS

REVISIONS					
LTR	DESCRIPTION			DATE	APPROVED
A	APPROVAL	DWG	YMF	05/20/07	
C	REVISED	DWG	RAP	12/12/07	
D	REVISED	DWG	YMF	07/28/08	
E	REVISED	PER_MDBCCO	YMF	01/30/09	
F	REVISED	PER_MDBCCO	YMF	02/05/09	
G	REVISED	DWG	YMF	01/05/10	
H	REVISED	DWG	YMF	04/09/10	
J	REVISED	NAME	JPD	11/01/13	
K	REVISED	DWG	JPD	02/01/15	
M	ENGINEER	CHANGE	LA	03/14/17	
N	ADDRESS	UPDATE	SM	02/27/20	
O	2020 FBC	UPDATE	NUS	07/06/20	
P	STRIKE	UPDATE	LL	04/06/22	

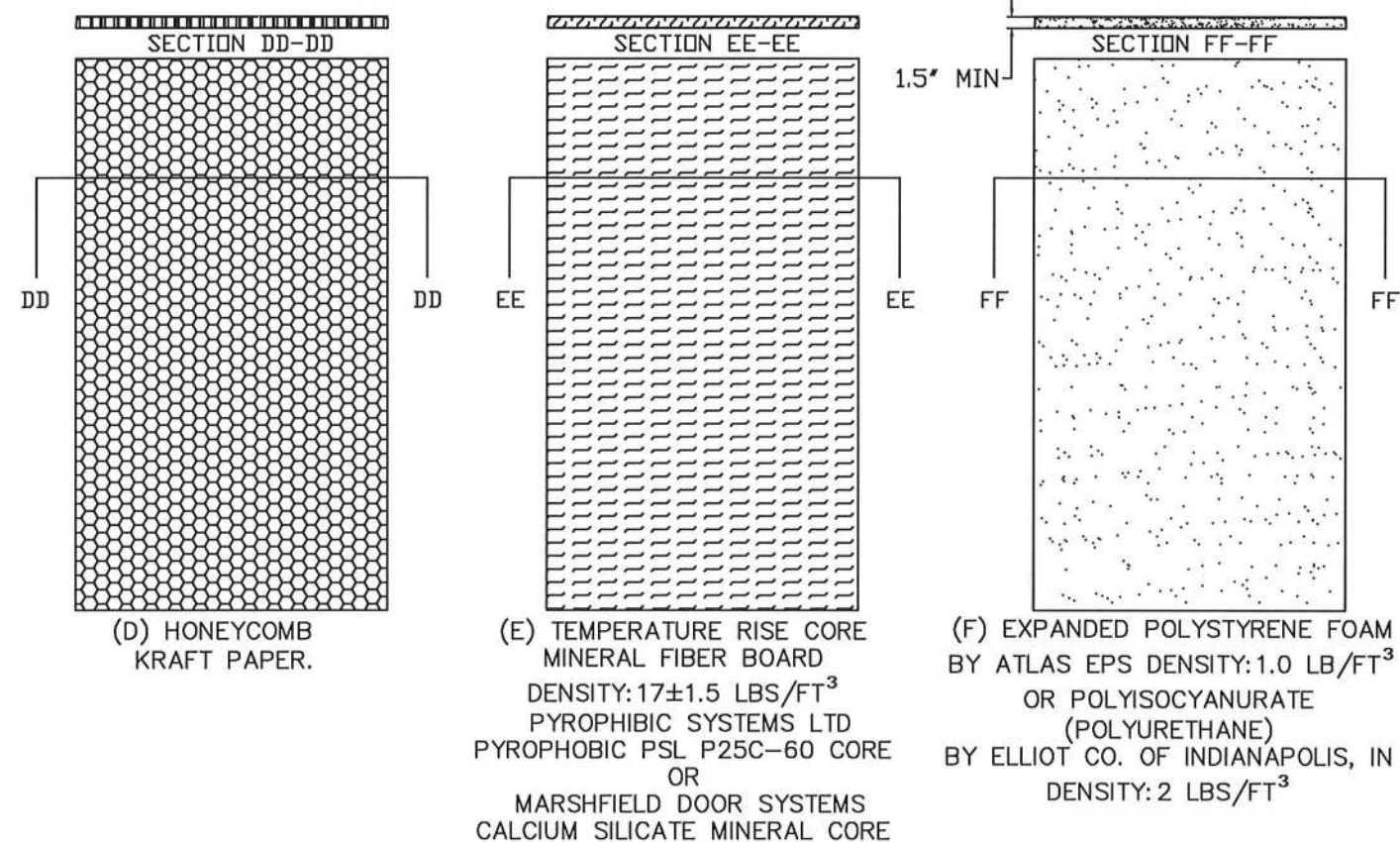
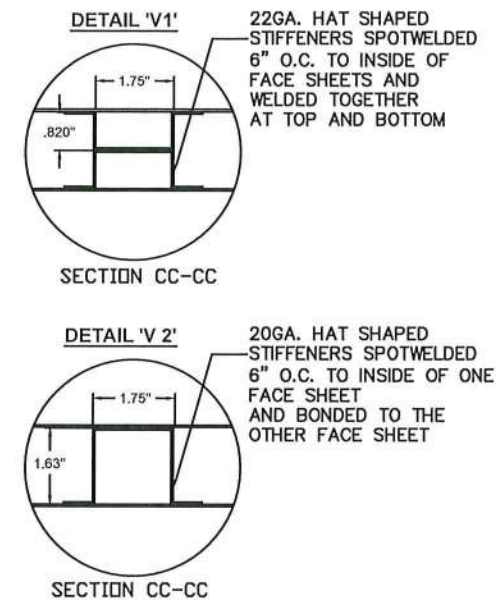
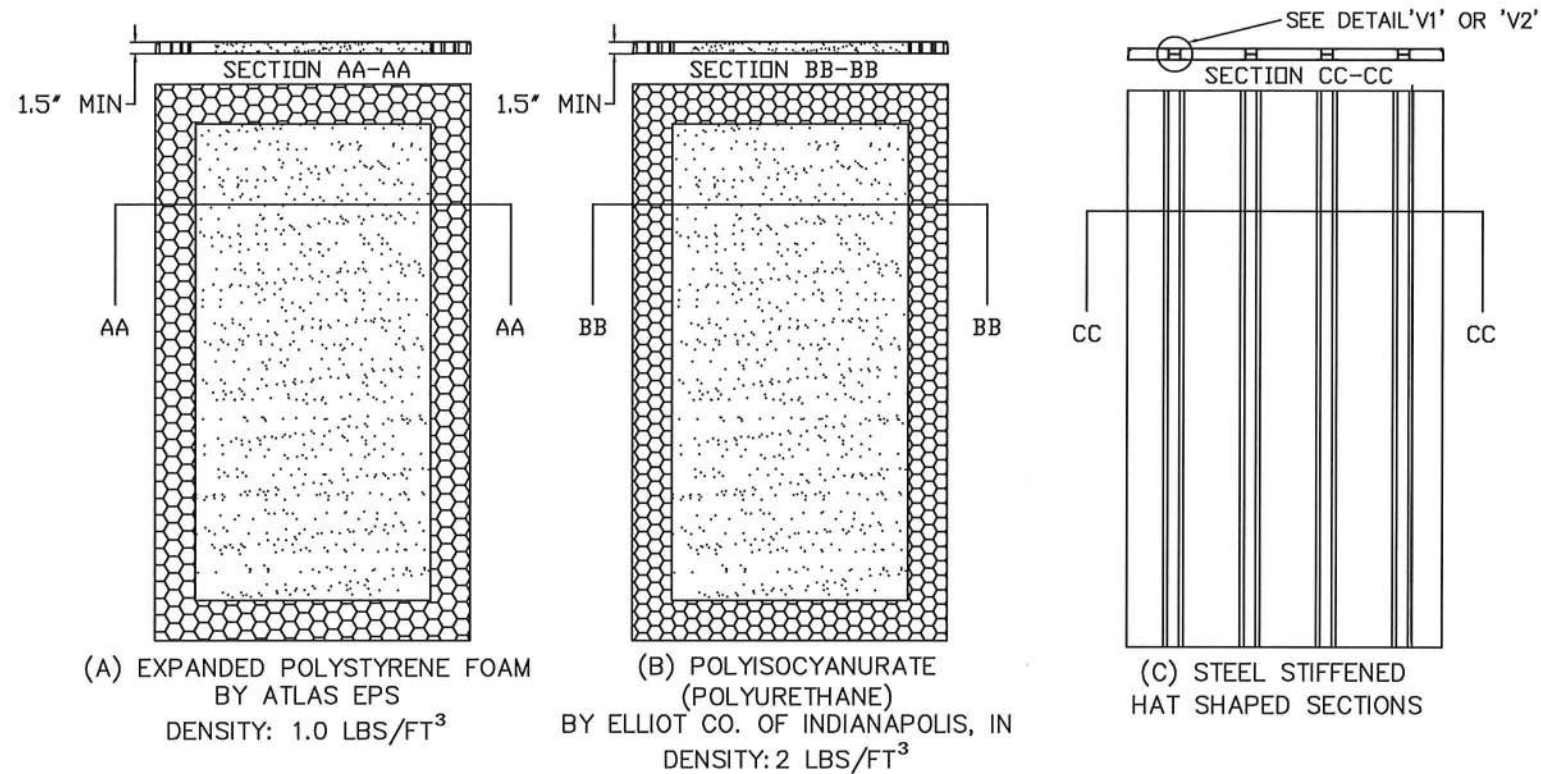


BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION				TITLE: STEELCRAFT H SERIES SINGLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	HORIZONTAL CROSS SECTIONS FOR GLASS SINGLE DOORS.					
CHECKED							
APPROVED		SIZE	FLAT	DWG NO.	IRGS07	REV P	
ENG. APPVL JPD	11/15/07	SCALE:	NTS	AUTOCAD	SHEET	13 of 16	





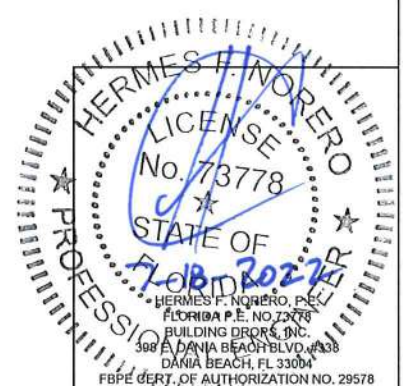


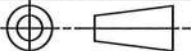


**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0414.19  
Expiration Date 05/05/2028  
By Ishag I. Chande  
Miami-Dade Product Control

NOTES:  
1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS

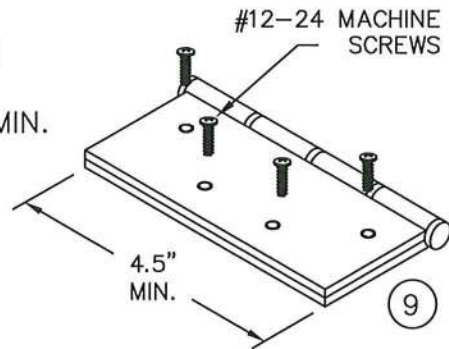
R E V I S I O N S				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	JPD	02/03/14	
B	REVISED DWG	JPD	02/01/15	
C	REVISED DWG	JPD	05/05/15	
M	ENGINEER CHANGE	LA	03/14/17	
N	ADDRESS UPDATE	SM	02/27/20	
Q	2020 FBC UPDATE	NUS	07/06/20	
P	STRIKE UPDATE	LL	04/06/22	



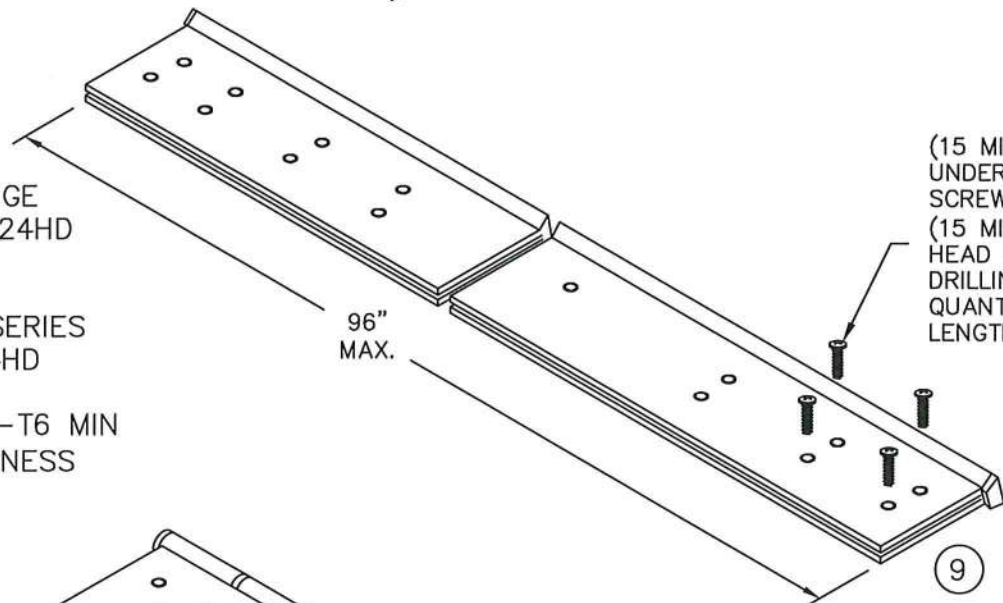
BEND RADIUS					SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242					
THIRD ANGLE PROJECTION													
DRAWN JPD		DATE 02/03/14		TITLE: STEELCRAFT H SERIES SINGLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES									
CHECKED				DOOR CORE OPTIONS									
APPROVED				SIZE		FLAT		DWG NO.		IRGS07		REV P	
ENG. APPVL				SCALE		NTS		AUTOCAD				SHEET 15 of 16	



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

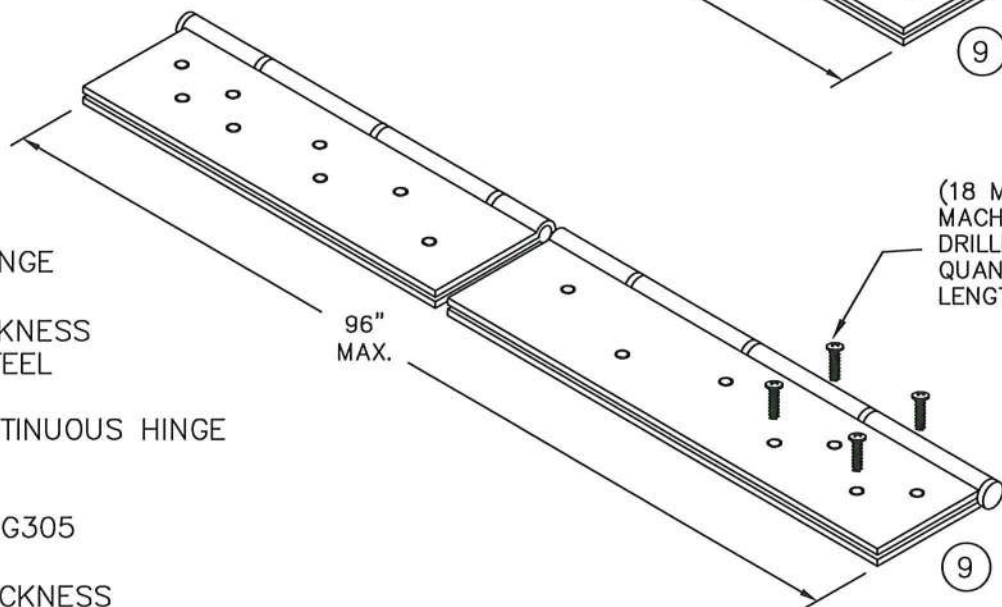


CONTINUOUS HINGE  
IVES 112HD & 224HD  
STANLEY 661HD  
SELECT SL11HD  
PEMCO FM\_HD SERIES  
HAGER 780-224HD  
ABH A240HD  
ALUMINUM 6036-T6 MIN  
.110" MIN. THICKNESS



(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. THCKNESS  
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

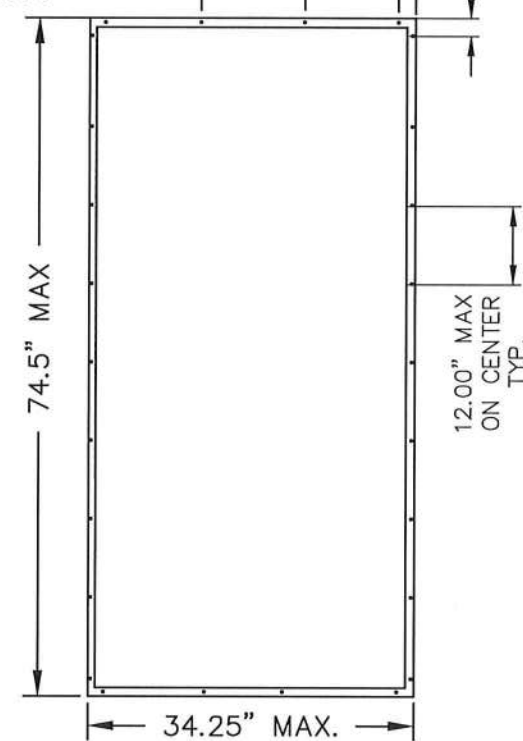
**PRODUCT RENEWED**  
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NOA-No. 22-0414.19  
Expiration Date 05/05/2028  
By Ismael L. Chanla  
Miami-Dade Product Control

## REVISIONS

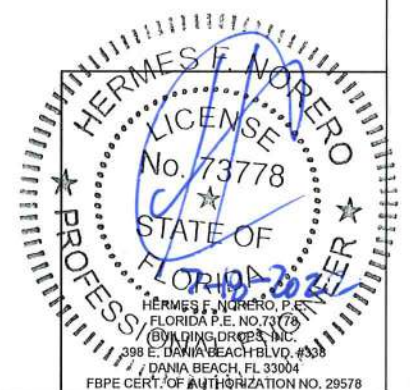
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A	APPROVAL DWGS.	11/01/13	
N	ADDRESS UPDATE SM	02/27/20	
O	2020 FBC UPDATE NUS	07/06/20	
P	STRIKE UPDATE LL	04/06/22	

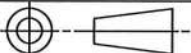
10.38" MAX.  
ON CENTER  
TYP.

2.75" MAX.  
FROM CORNER  
TYP.



ANEMOSTAT SG-10 HIGH  
SECURITY METAL VISION FRAME  
SEE SHEET 9 AND GLAZING  
DETAIL F AND ITEM 18-4  
(TABLE 2) SHEET 3



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 OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES  HINGE OPTIONS			
DRAWN JPD	DATE 02/03/14						
CHECKED							
APPROVED		SIZE	FLAT	DWG NO. IRGS07			REV P
ENG. APPVL		SCALE:	NTS	AUTOCAD		SHT 16 OF 16	