



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

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

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

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

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

APPROVAL DOCUMENT: Drawing No **IRF-D07 Rev R**, 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 07/11/2023, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact

Limitations:

1. See sheets **1 & 2** for Design Pressures, Sizes and Hardware. See sheets **5, 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 NOA #22-0427.02** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5, E-6 and E-7, as well as approval document mentioned above.

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



S.Z.
12/07/2023

NOA No. 23-0821.19
Expiration Date: May 05, 2028
Approval Date: December 07, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS

1. Manufacturer's parts and sections drawings (Submitted under file as below).
2. Drawing No **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



Sifang Zhao, P.E.

Product Control Examiner

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- C. CALCULATIONS:** (submitted under file #**15-0930.05**)
1. Anchor verification calculations per FBC 2014 (5th 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 (5th 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.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0821.19
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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.
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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C. CALCULATIONS:

1. Anchor verification calculation complying w/ FBC 2017(6th 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 (5th Edition) and FBC 2017 (6th Edition), dated 02/08/18, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E
3. 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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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

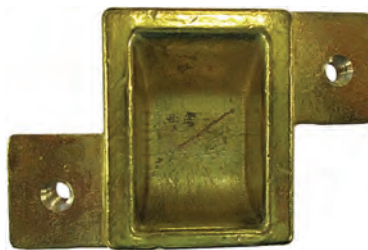
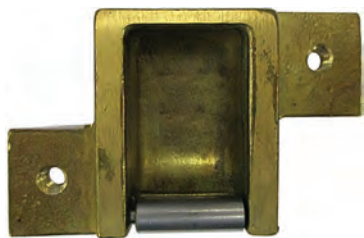
1. None

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

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

G. OTHER

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



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NOA No. 23-0821.19
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4. 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 7th Edition (2020)** and of no financial interest, dated 09/02/20, issued by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Statement letter dated 09/02/20 issued by Allegion in reference to DWG. revision changes, signed by Donlan James, code compliance Engineer.

G. OTHER

1. This NOA revises **NOA # 20-0310.10**, expiring 05/05/23.

5. Evidence submitted under previous approval (*Submitted under NOA#22-0427.02*)

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. (*Submitted under NOA#22-0427.02*)



Sifang Zhao, P.E.

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C. CALCULATIONS

1. Hilti's anchor verification calculation dated 05/04/2022, using Hilti's software prepared by Building Drops, Inc, signed and sealed by Hermes F. Norero, P.E.
(Submitted under NOA#22-0427.02)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

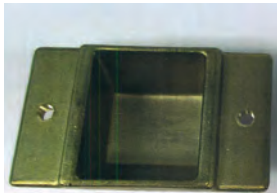
1. None.

F. STATEMENTS

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

G. OTHER

1. This NOA revises & renews NOA # 20-1005.20, expiring 05/05/28.
2. CVR Falcon 4188 (top strike) options w/wo Roller



4188 Top strike without Roller



4188 Top strike with Roller

6. New Evidence submitted

A. DRAWINGS

1. Drawing No **IRF-D07 Rev R**, 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 07/11/2023, signed and sealed by Hermes F. Norero, P.E.

B. TEST

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

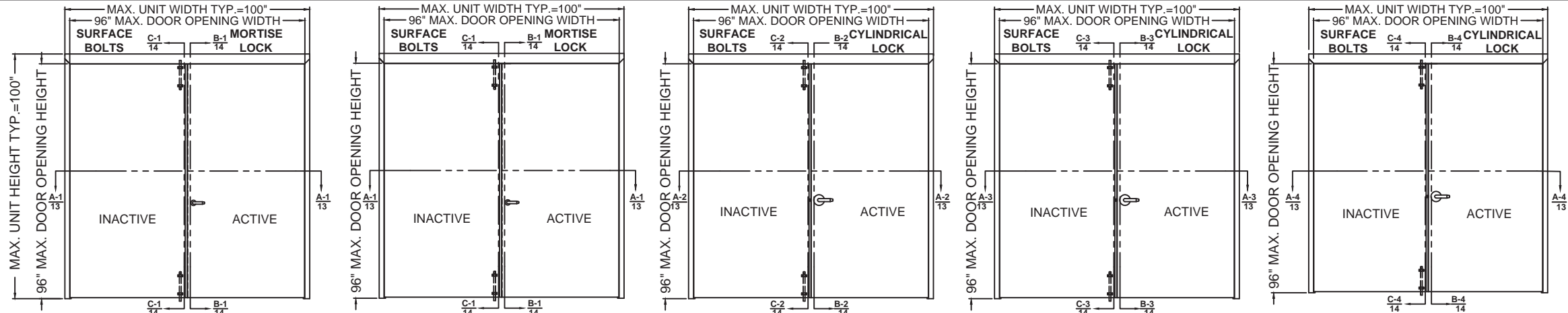
1. Statement letter of conformance to **FBC 8th Edition (2023)** and of no financial interest, dated 07/13/2023, issued by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.

G. OTHER

1. This NOA revises NOA # 22-0427.02, expiring 05/05/28.



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CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
1	±75 SEE TABLE 3.1 ON SHT. 5	±75 SEE TABLES 4.1 ON SHT.7 & 4.2 ON SHT.8

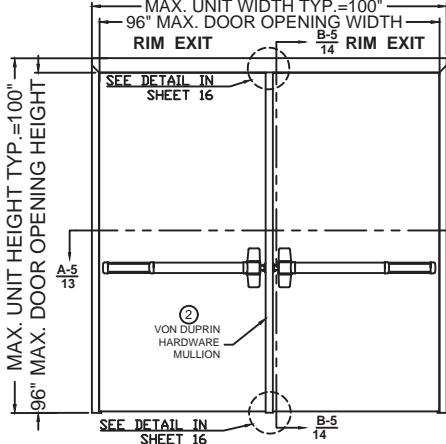
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	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
2	±60 SEE TABLE 3.1 ON SHT. 5	±60 SEE TABLES 4.1 ON SHT.7 & 4.2 ON SHT.8

CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
3	±55 SEE TABLE 3.1 ON SHT. 5	±55 SEE TABLES 4.1 ON SHT.7 & 4.2 ON SHT.8

CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
4	±65 SEE TABLE 3.1 ON SHT. 5	±65 SEE TABLES 4.1 ON SHT.7 & 4.2 ON SHT.8

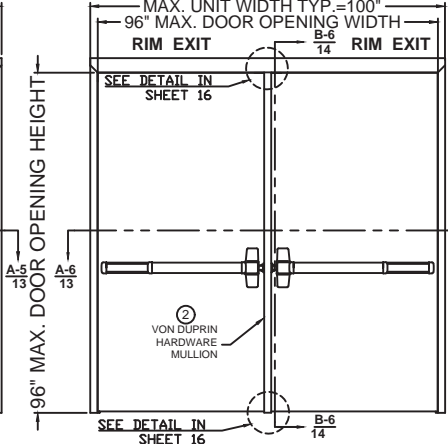
CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
5	±75 SEE TABLE 3.1 ON SHT. 5	±75 SEE TABLES 4.1 ON SHT.7 & 4.2 ON SHT.8

NOTE:
SEE SHEETS 5, 6, 7, & 8 FOR THRESHOLD TYPES, WEATHERSTRIPS COMPONENTS, DOOR SIZE VS DP AND LIMITATIONS

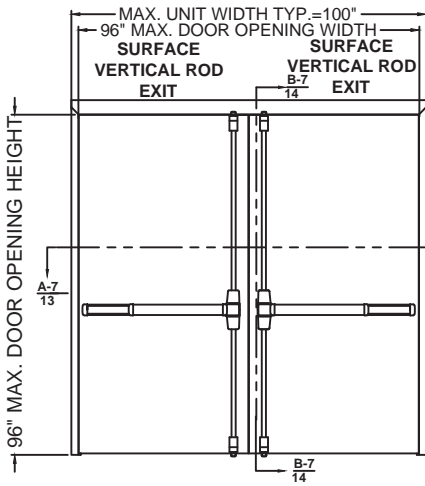


CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
5	±75 SEE TABLE 3.1 ON SHT. 5	±90 * SEE TABLES 4.1 ON SHT.7 & 4.2 ON SHT.8

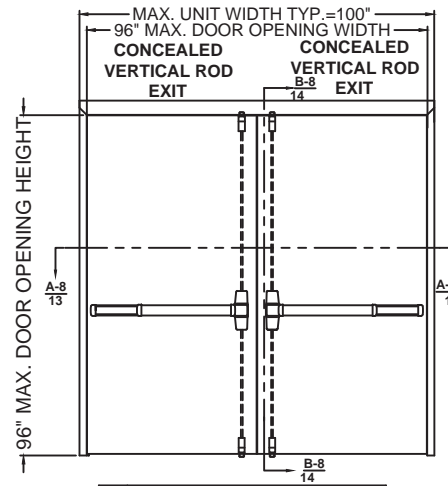
* SEE NOTE 4 ON SHEET 2



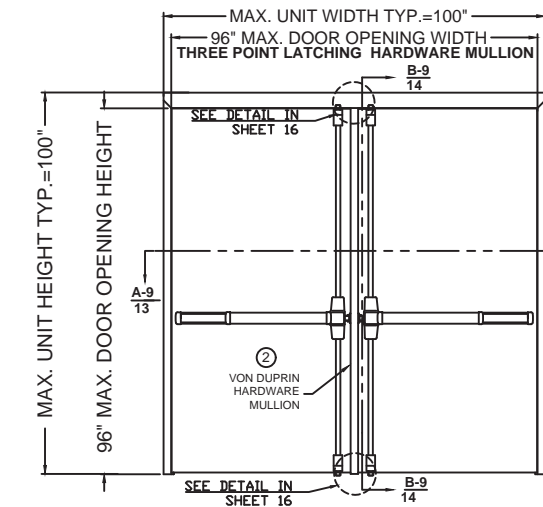
CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
6	±70 SEE TABLE 3.1 ON SHT. 5	±70 SEE TABLES 4.1 ON SHT.7 & 4.2 ON SHT.8



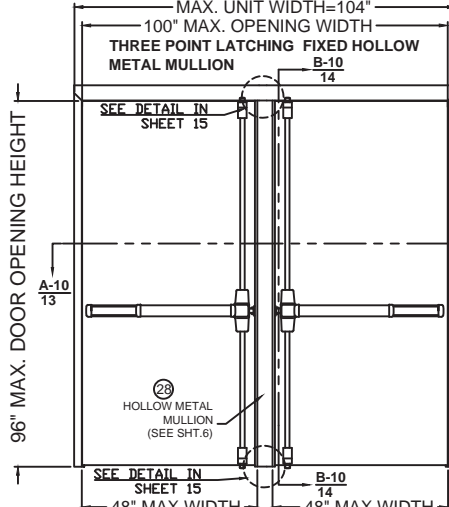
CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
7	±70 SEE TABLE 3.1 ON SHT. 5	±70 SEE TABLES 4.1 ON SHT.7 & 4.2 ON SHT.8



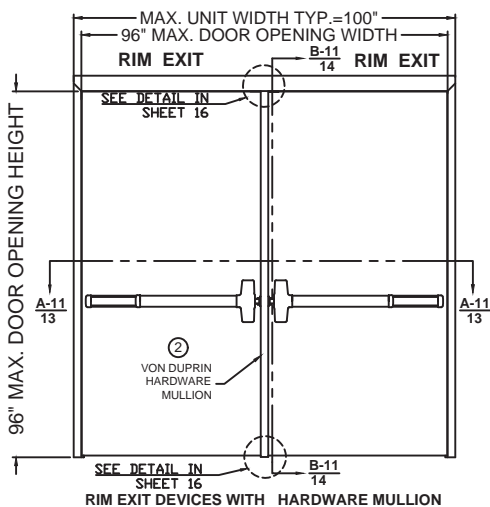
CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
8	±70 SEE TABLE 3.1 ON SHT. 5	±70 SEE TABLES 4.1 ON SHT.7 & 4.2 ON SHT.8



CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
9	±70 SEE TABLE 3.1 ON SHT. 5	±70 SEE TABLES 4.1 ON SHT.7 & 4.2 ON SHT.8



CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
10	±70 ZERO INT'L 566 (11A) SEE TABLE 3.2 ON SHT. 6	±70 SEE TABLE 4.1 ON SHT.7
	+50/-70 NGP 950 (11B) SEE TABLES 3.3 ON SHT. 6	±70 SEE TABLE 4.2 ON SHT.8



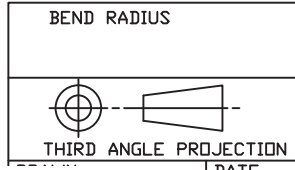
CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
11	+70/-55 SEE TABLE 3.1 ON SHT. 5	+70/-55 SEE TABLES 4.1 ON SHT.7 & 4.2 ON SHT.8

COMPLIANCE STATEMENT:

1. THESE PRODUCTS HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS 201, 202 & 203-94 AND COMPLY WITH THE 2023 (8TH EDITION) FLORIDA BUILDING CODE.

NOTES:

1. INTERIOR VIEWS ARE SHOWN FOR ALL ELEVATIONS (OUTSWING DOORS)
2. SEE TABLE 1 ON SHEET 2 FOR HARDWARE APPLICATIONS AND LIMITATIONS
3. SEE SHEET 3 & 14 FOR HINGE REQUIREMENTS
4. SEE SHEETS 4 & 15 FOR ANCHORING TYPES AND LIMITATIONS AND SHEETS 15 & 16 FOR MULLION INSTALLATION.
5. SEE SHEET 5 TABLE 3.1 AND SHEET 6 TABLES 3.2 & 3.3 FOR WATER RATED THRESHOLDS AND WEATHERSTRIPPING INSTALLATION AND LIMITATIONS
6. SEE SHEET 7 TABLE 4.1 AND SHEET 8 TABLE 4.2 FOR NON WATER RATED THRESHOLDS AND WEATHERSTRIPPING INSTALLATION AND LIMITATIONS
6. SEE SHEETS 3 - 8, & 17 FOR SILL INSTALLATION INFORMATION
7. ALL CONFIGURATIONS MEET LARGE AND SMALL MISSILE IMPACT REQUIREMENTS - LARGE MISSILE IMPACT AT (50 F/S)



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.19

Expiration Date 05/05/2028

By
Miami-Dade Product Control

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

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

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

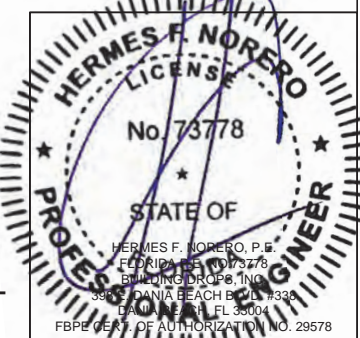
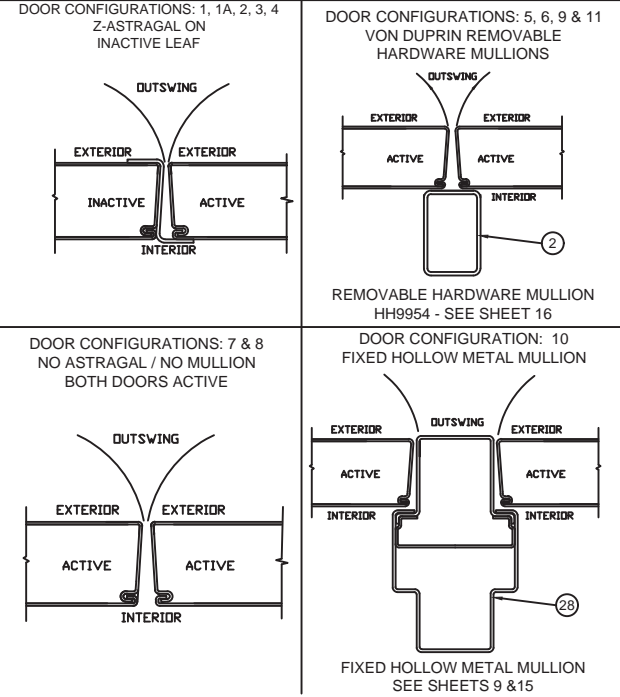
MIAMI-DADE COUNTY PRODUCT APPROVAL
FLUSH OUTSWING, DOUBLE DOORS AND HARDWARE CONFIGURATIONS.

SIZE	FLAT	DWG NO.	IRFD07	REV	R
SCALE	NTS	AUTOCAD	SHEET 1 OF 17		

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07
H	REVISED DWG	YMF	02/01/10
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
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22
R	2023 FBC UPDATE	OL	07/13/23

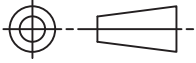
DETAIL 'C' MEETING DOOR EDGES




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

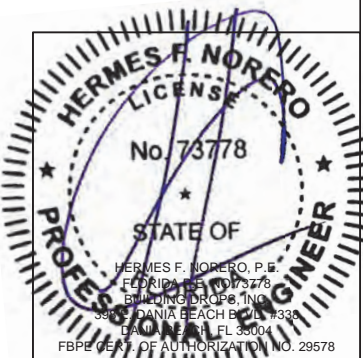
TABLE 1.

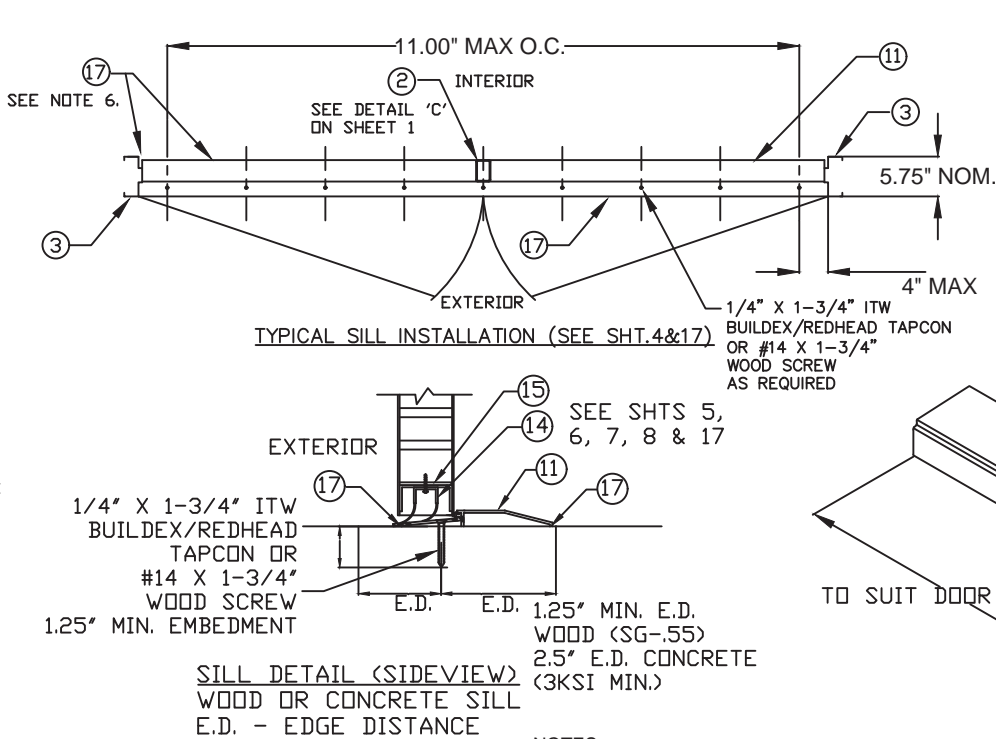
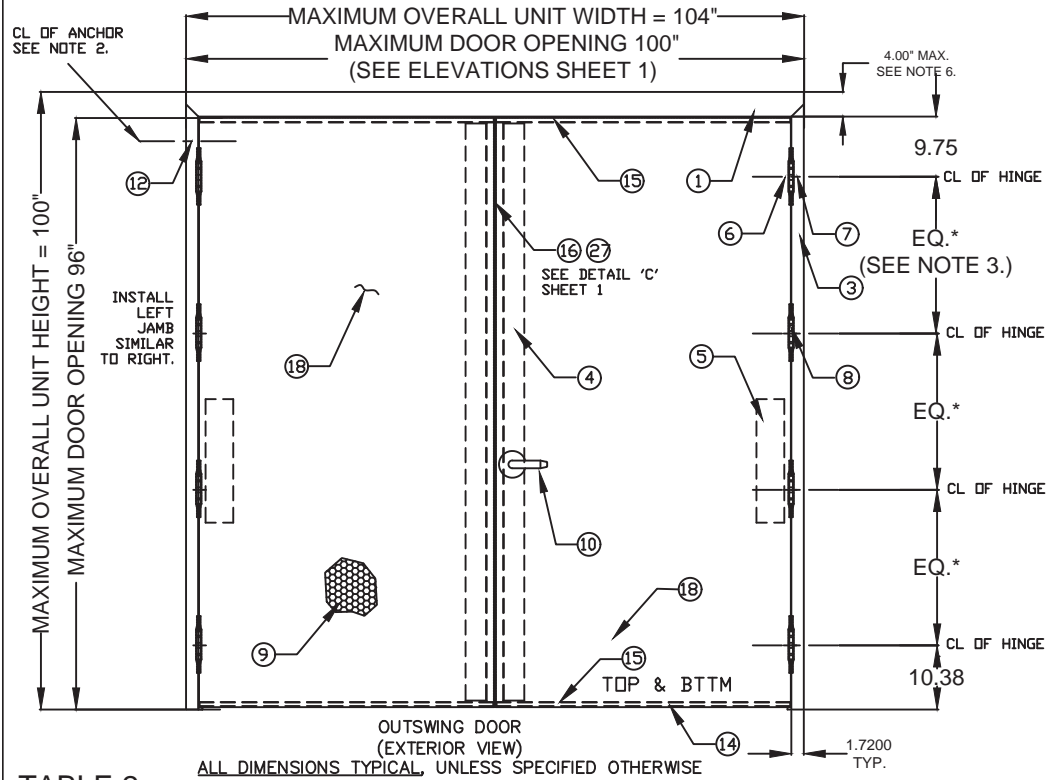
- NOTES:**
1. FOR DOOR CONFIGURATIONS 1, 1A, 2, 3, & 4, INACTIVE LEAF REQUIRES IVES SB360 SURFACE BOLTS IN TOP AND BOTTOM
2. DOOR CONFIGURATION 10 IS USING FIXED HOLLOW METAL MULLION BETWEEN TWO DOORS (SEE MULLION DETAIL IN SHEET 15)
3. SEE SHEETS 10 THROUGH 16 FOR LOCKING HARDWARE AND HARDWARE MULLION 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	
							
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES MIAMI-DADE COUNTY PRODUCT APPROVAL FLUSH OUTSWING DOORS AND HARDWARE CONFIGURATIONS COMMERCIAL DOOR OPENING DOUBLE FLUSH DOORS.					
DRAWN YMF	DATE 05/20/07						
CHECKED							
APPROVED		SIZE	FLAT	DWG NO.		REV	
ENG. APPVL JPD	10/12/07	SCALE: 1 NTS		AUTOCAD		R	
				SHEET 2 OF 17			

R E V I S I O N S				
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_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	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	
R	2023 FBC UPDATE	DL	07/13/23	

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By 
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- 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.

R E V I S I O N S				
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	
Q	ANCHOR/STRIKE UPDATE	LL	04/06/22	
R	2023 FBC UPDATE	DL	07/13/23	

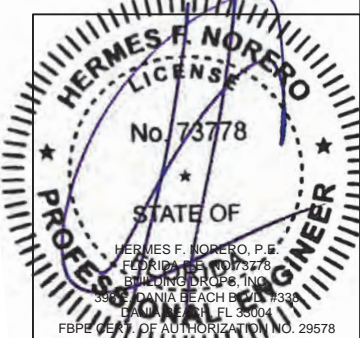
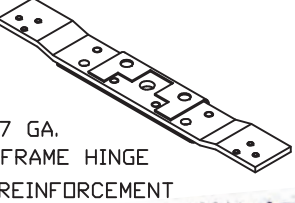
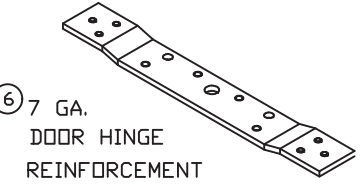
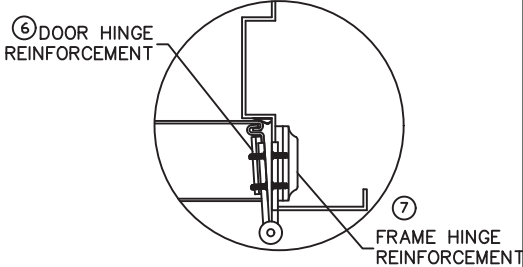


TABLE 2

	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD SEE SHT 9 ASTM A366	.053" MIN. STL	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 (SHT.15) 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	.125" ALUM. 6063 T5	5.0"X0.5"X96"MAX.
		11B) 950A NGP WATER RATED SHT 6 NON WATER SHT 8	.078" ALUM. 6063 T5	
		11C) 65 ZERO NON WATER RATED SHEET 7	.125" ALUM. 6063 T5	
		11D) 568 ZERO NON WATER RATED SHEET 7	.125" ALUM. 6063 T5	6.0"X0.5"X96"MAX.
12	NOTE 1.	JAMB ANCHOR ASTM A924	SEE SHEET 7	
13	SEE SHTS 6, 7 & 8	13A) PSD74 DOOR SEAL STEELCRAFT	TPE	VARIES
		13B)188S, 13C)117S, 13D)8144S, 13E)8150S DOOR SEAL ZERO	SILICONE	
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	SEE SHEETS 5 & 7	
		16B) 137 SPLIT ASTRAGAL BY NGP	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	TPE	MAX. 24'
		19B) 188S DOOR SEAL BY ZERO INT'L SEE SHTS 6 & 7		
20	4	202N DOOR SEAL BY NGP SEE SHEET 6	TPE	MAX. 96"
21	2	21A) 139 DOOR SWEEP BY ZERO INT'L	SEE SHEETS 5 & 6	MAX. 96" FOR VERTICAL
		21B) 328 DOOR SWEEP BY ZERO INT'L		MAX. 48" FOR HORIZONTAL
		21C) 200N DOOR SWEEP BY NGP		
22	2	22A) 475 ADJUSTABLE SEAL BY ZERO INT'L SEE SHEET 6	TPE	MAX. 48"
		22B) 170N ADJUSTABLE SEAL BY NGP SEE SHEET 6		MAX. 104"
23	1	23A) 142 RAIN DRIP BY ZERO INT'L	SEE SHEETS 5 & 6	MAX. 48"
	2	23B) 11 RAIN DRIP BY ZERO INT'L		
		23C) 16A RAIN DRIP BY NGP		
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	

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BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		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					
APPROVED		SIZE	FLAT	DWG NO.	REV
ENG. APPVL JPD	10/12/07	IRFD07			R
SCALE: 1/4" = 1'-0"		AUTOCAD		SHEET 3 OF 17	

HD2

MAX.

96"X96"
MAXIMUM DOOR
OPENING

24" O.C.
MAX.

24" O.C.
MAX.

24" O.C.
MAX.

16" MAX.

JAMB BASE ANCHOR
(WELDED OR ADJUSTABLE)

REFER TO SILL
INSTALLATION
DETAIL 'TH'

JAMB BASE ANCHOR INTO
CONCRETE (3 KSI MIN.)
Ø0.375" WITH 2" MIN.
EMBEDMENT POWERS POWER
BOLT, POWERS LOK BOLT AS,
HILTI HLC-FPH SLEEVE
ANCHOR, SIMPSON STRONG
TIE SLEEVE-ALL OR 3/8"
LAG BOLT INTO (2) 2X WOOD
SILL (SG=.55)

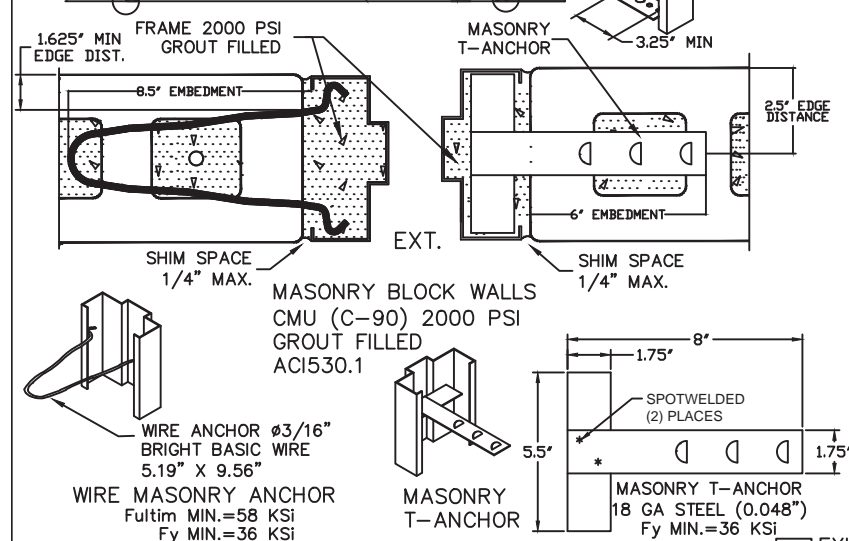
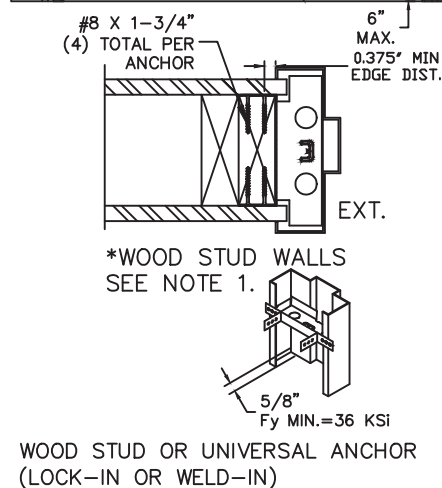
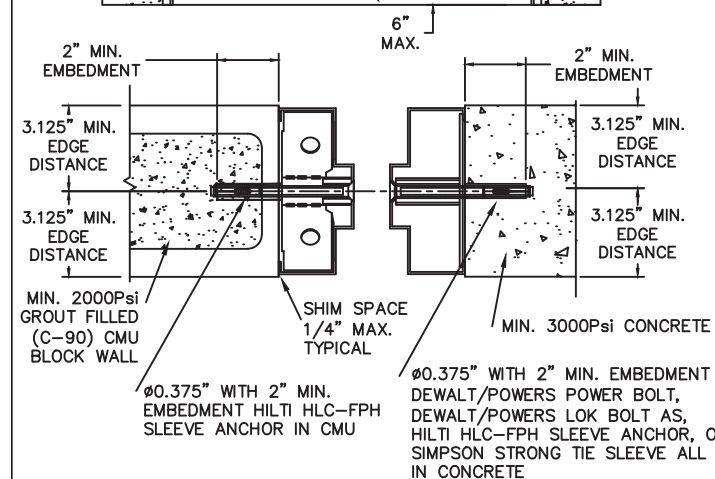
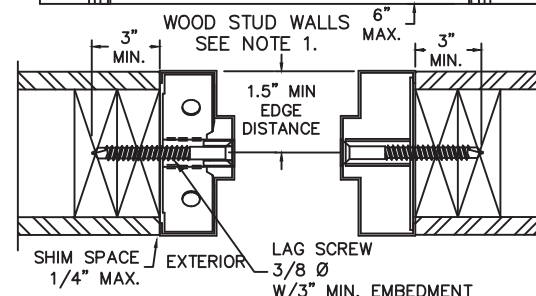


Diagram illustrating the elevation view of a window opening. The opening is labeled "6' X 7' OR 8' X 8' OPENING (SEE SHT.1)". The vertical dimensions on the right side indicate four equal segments, each labeled "21\" O.C. MAX.". The horizontal dimensions at the top indicate "HD1 OR HD2" and "MAX.". A note on the left side states "C OF ANCHOR TYP.". A reference note at the bottom left points to the sill installation detail, labeled "REFER TO SILL INSTALLATION DETAIL 'TH'".



HD3
 6' X 7' OR 8' X 8' OPENING (SEE SHT.1)
 14" O.C. MAX.
 14" O.C. MAX.
 14" O.C. MAX.
 14" O.C. MAX.
 14" O.C. MAX.
 14" O.C. MAX.
 REFER TO SILL INSTALLATION DETAIL "TH"
 SEE C. MULLION ON



LOCK-IN EMA-U ANCHOR WELD-IN

6" MAX.

HD3

96"X96" MAXIMUM DOOR OPENING

21" O.C. MAX.

21" O.C. MAX.

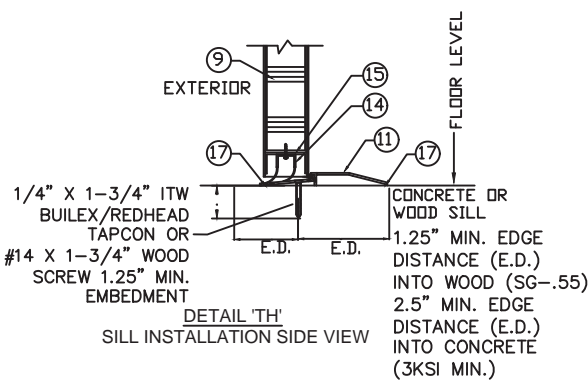
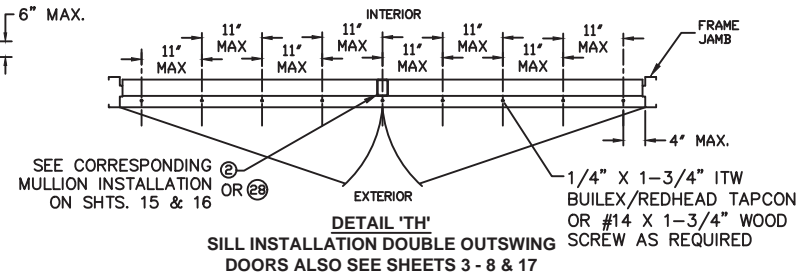
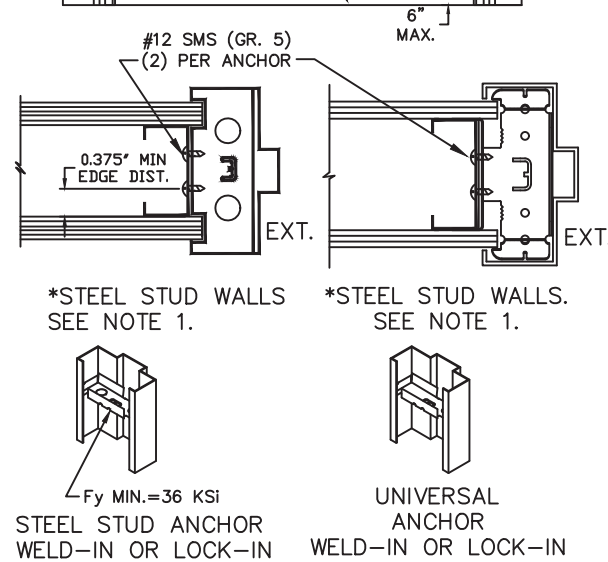
21" O.C. MAX.

21" O.C. MAX.

8" MAX.

Q OF ANCHOR TYP.

REFER TO SILL INSTALLATION DETAIL 'TH'

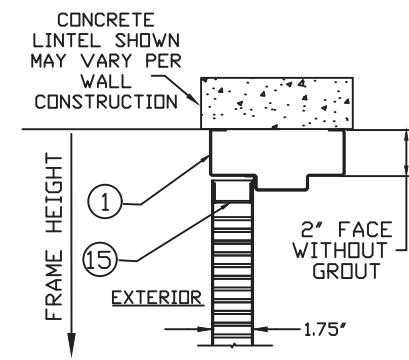


NOTES:

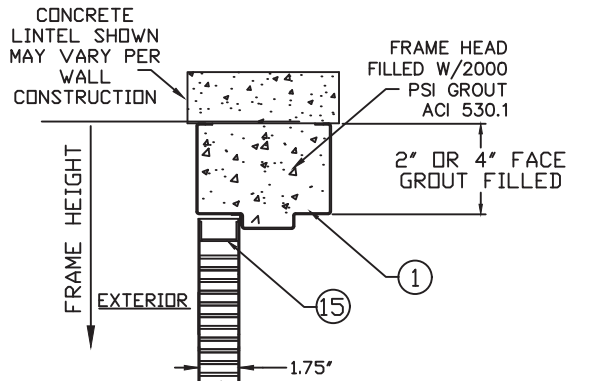
1. (*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF, AND 375#/FT. FOR ASSEMBLIES RATED @ 90 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS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

By
Miami-Dade Product Control

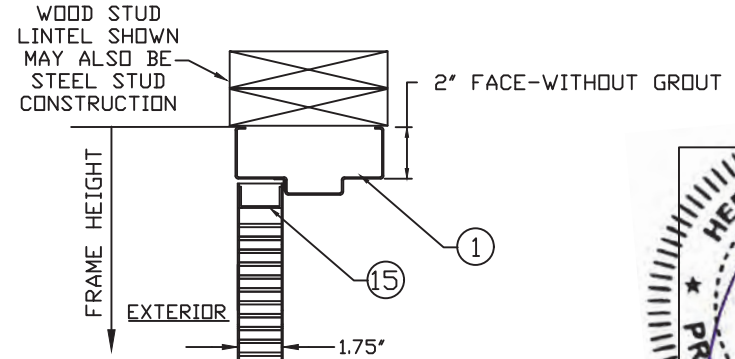
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D	REVISED DWG	YMF	01/17/08	
F	REVISED DWG	YMF	05/30/08	
G	REVISED PER_MDBCCD	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED DWG	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	02/10/17	
O	ADDRESS UPDATE	SM	02/27/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	
R	2023 FBC UPDATE	OL	07/13/23	



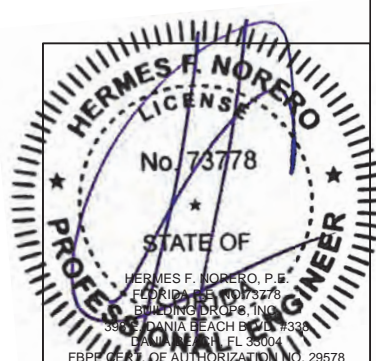
HD1 - FRAME HEAD SECTION



HD2 - FRAME HEAD SECTION



HD3 - FRAME HEAD SECTION




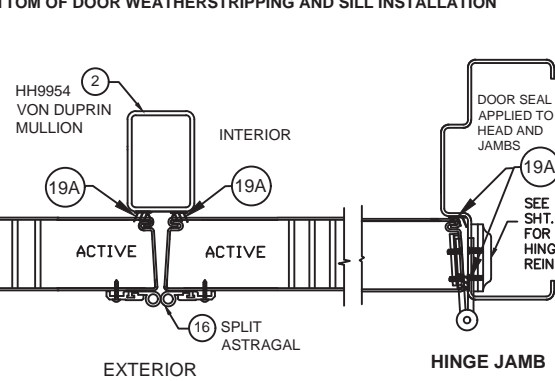
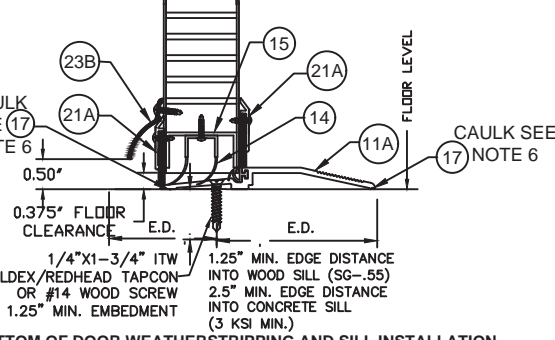
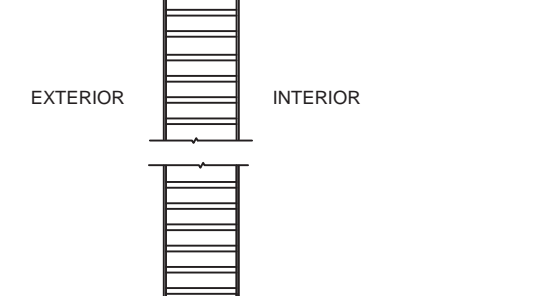
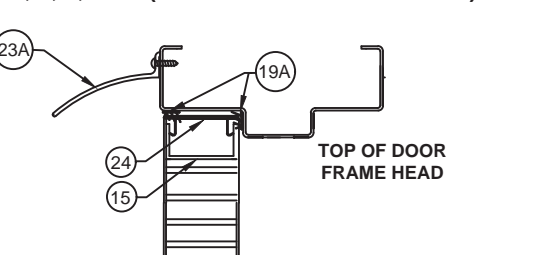
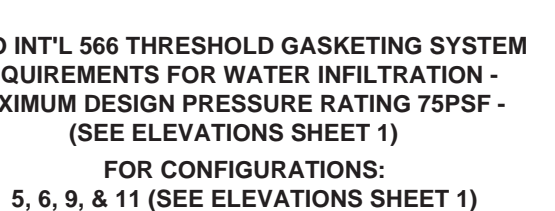
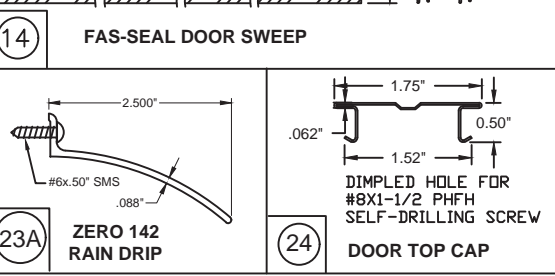
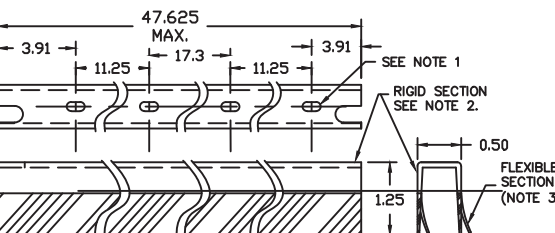
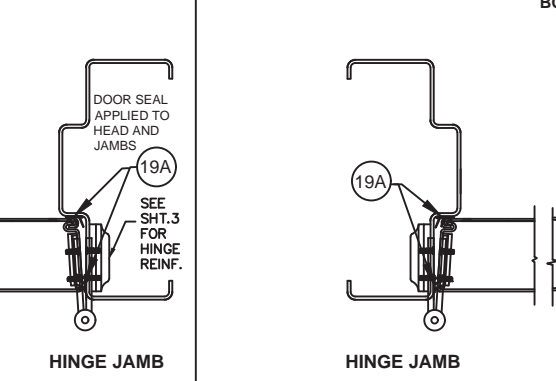
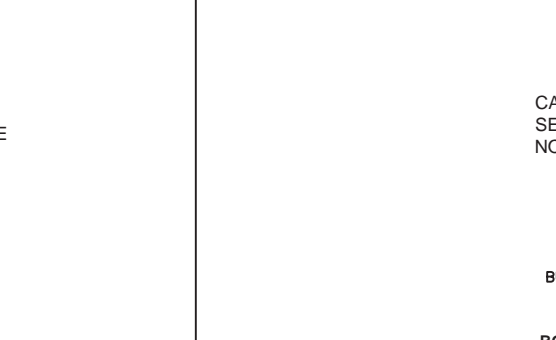
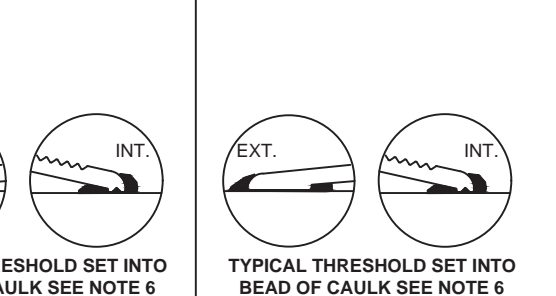
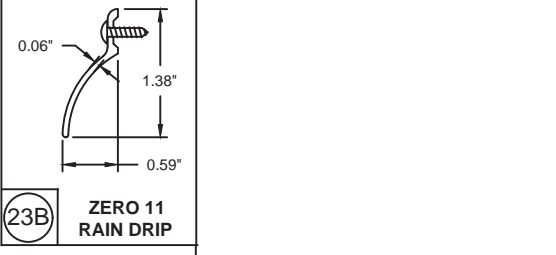
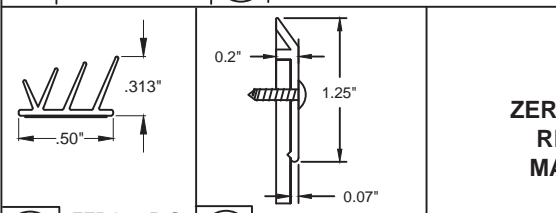
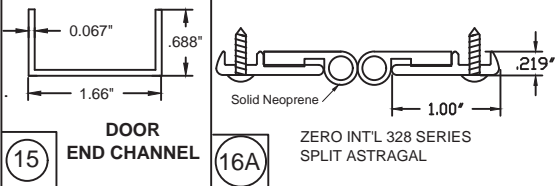
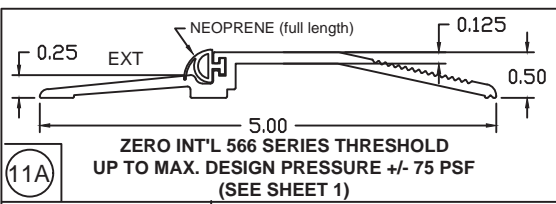
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES	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

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

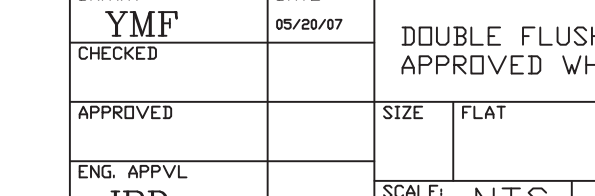
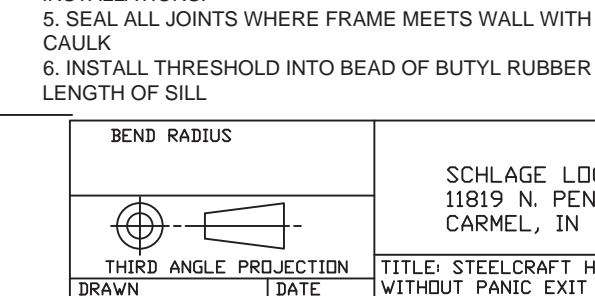
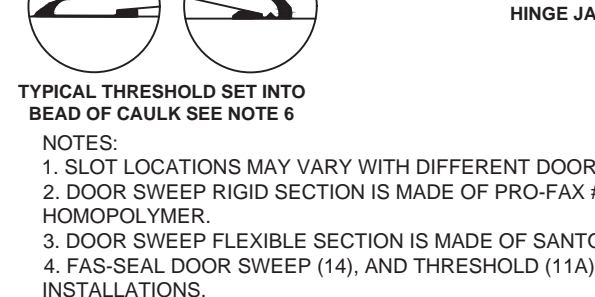
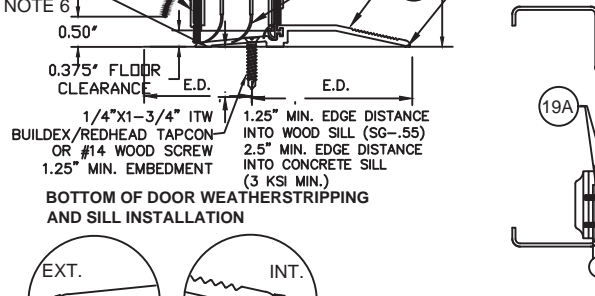
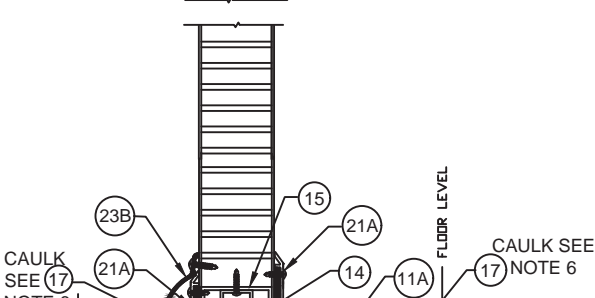
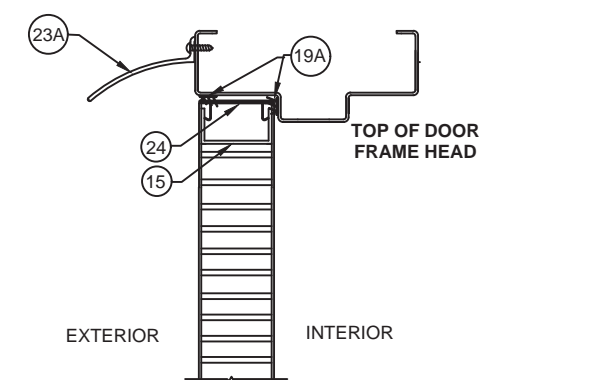
ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
11A	566 THRESHOLD	ZERO INT'L
14	FAS-SEAL SWEEP	STEELCRAFT
15	END CHANNEL	STEELCRAFT
16A	328 SPLIT ASTRAGAL	ZERO INT'L
19A	8150S DOOR SEAL	ZERO INT'L
21A	139 DOOR SWEEP	ZERO INT'L
23A	142 RAIN DRIP	ZERO INT'L
23B	11 RAIN DRIP	ZERO INT'L
24	DOOR TOP CAP	STEELCRAFT

ZERO INT'L 566 THRESHOLD GASKETING SYSTEM
REQUIREMENTS FOR WATER INFILTRATION -
MAXIMUM DESIGN PRESSURE RATING 75PSF -
(SEE ELEVATIONS SHEET 1)



ZERO INT'L 566 THRESHOLD GASKETING SYSTEM
REQUIREMENTS FOR WATER INFILTRATION -
MAXIMUM DESIGN PRESSURE RATING 75PSF -
(SEE ELEVATIONS SHEET 1)

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

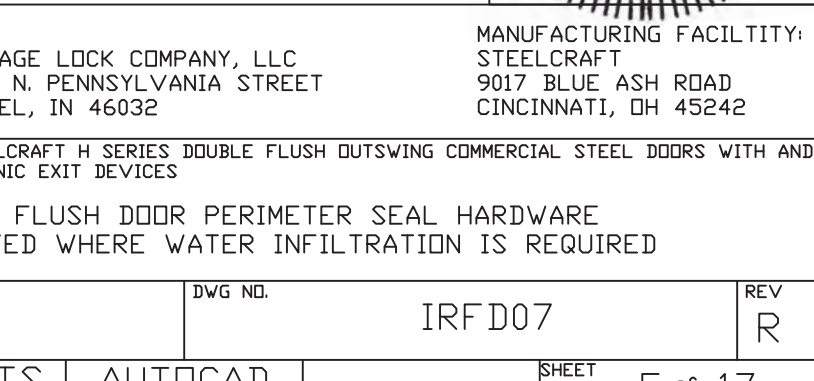
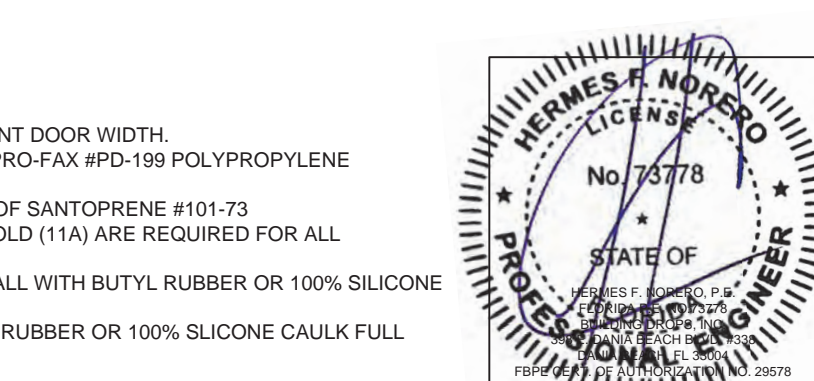
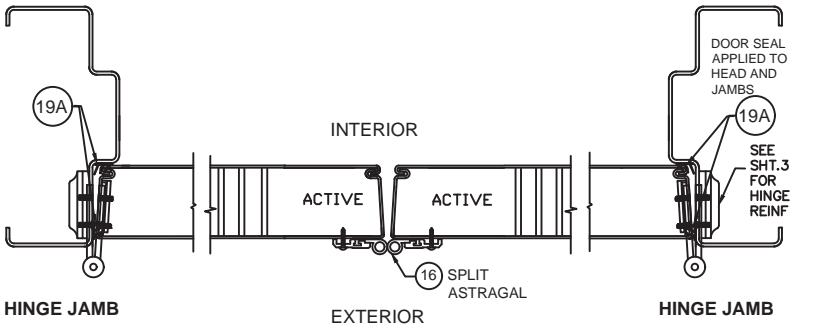


R E V I S I O N S				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
E	REVISED DWG	YMF	04/09/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED DWG	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED DWG	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
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	
R	2023 FBC UPDATE	DL	07/13/23	

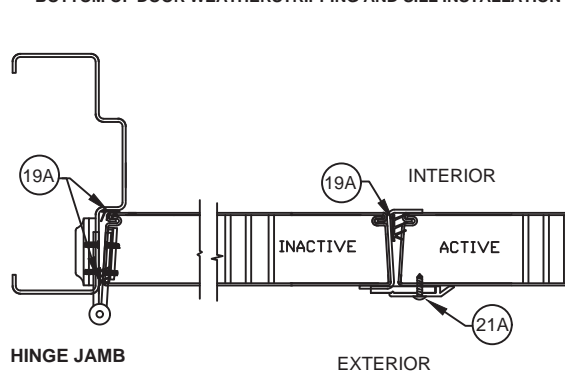
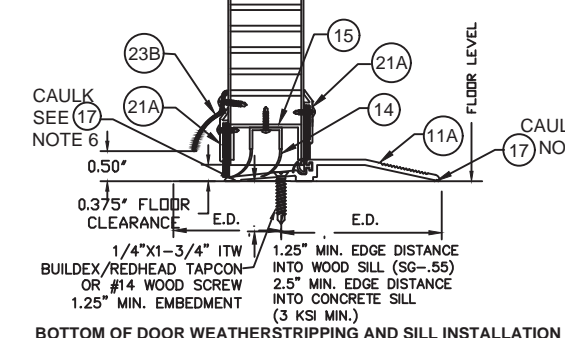
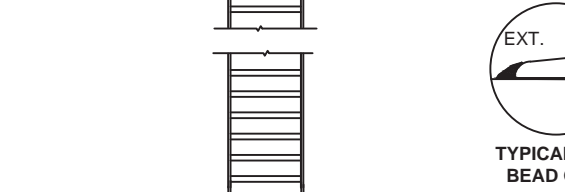
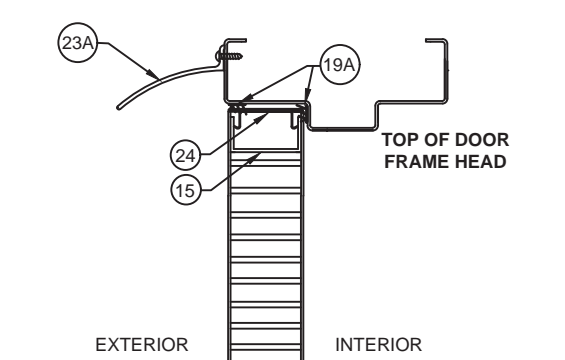
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.19

Expiration Date 05/05/2028

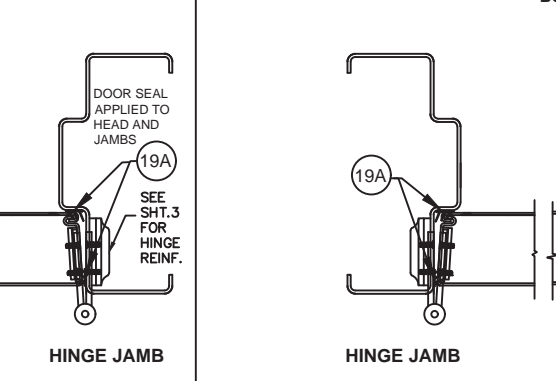
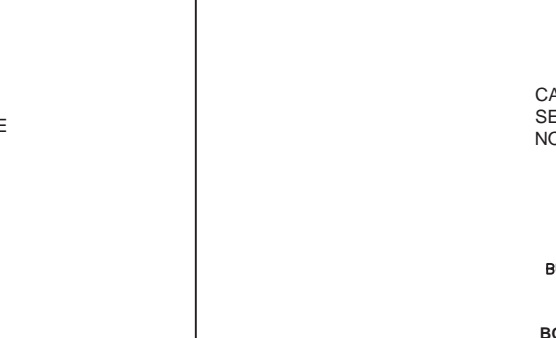
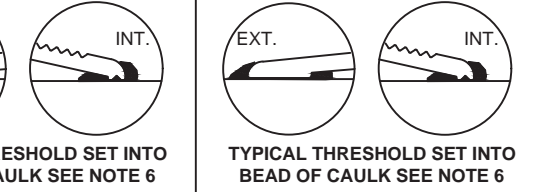
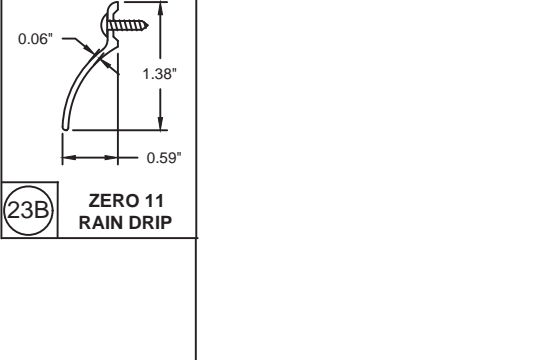
By 
Miami-Dade Product Control



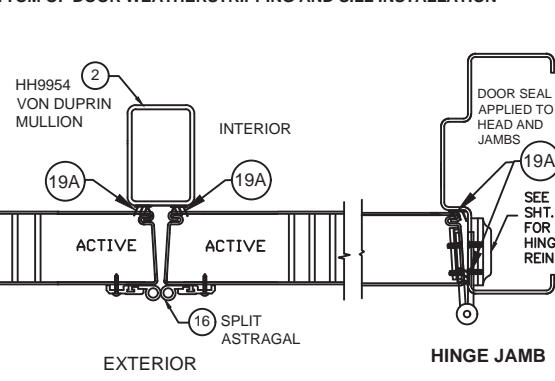
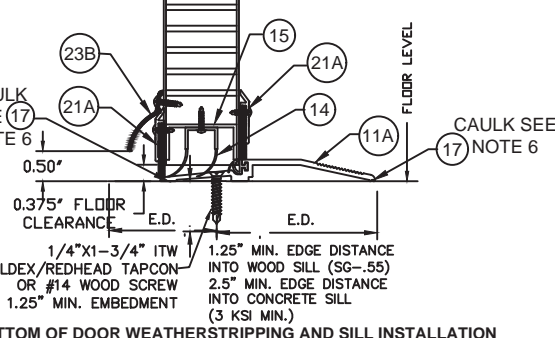
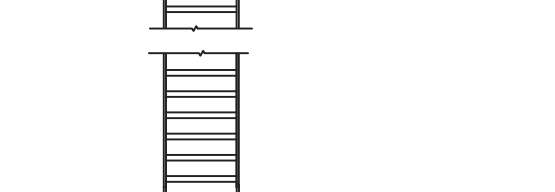
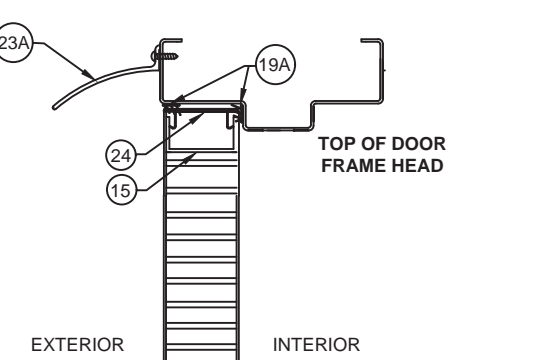
FOR CONFIGURATIONS:
1, 1A, 2, 3 & 4 (SEE ELEVATIONS SHEET 1)



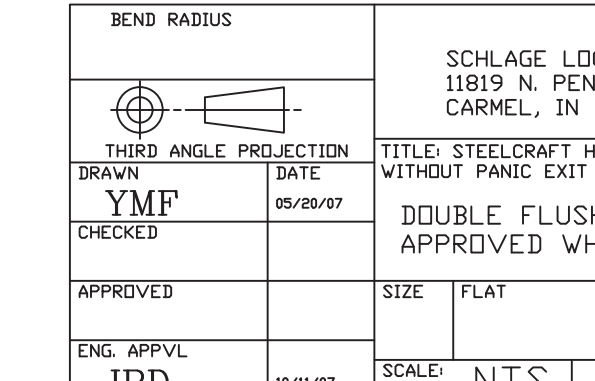
FOR CONFIGURATIONS:
5, 6, 9, & 11 (SEE ELEVATIONS SHEET 1)



FOR CONFIGURATIONS:
5, 6, 9, & 11 (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% SLICONE CAULK FULL LENGTH OF SILL

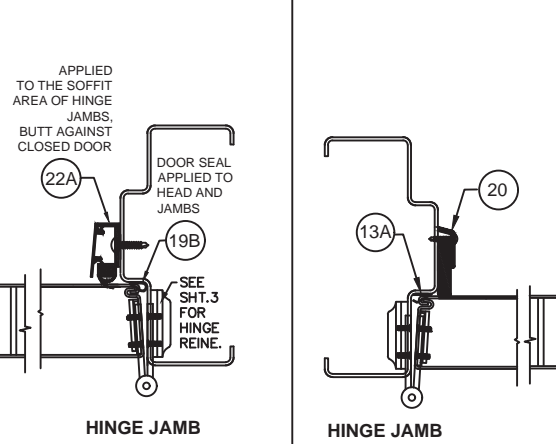
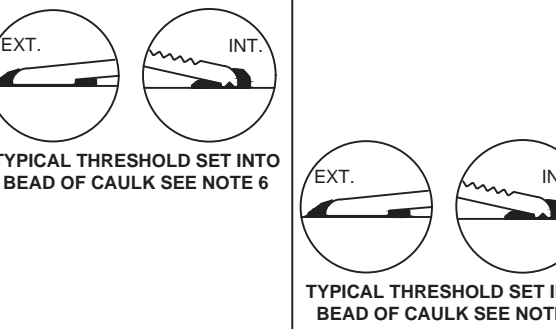
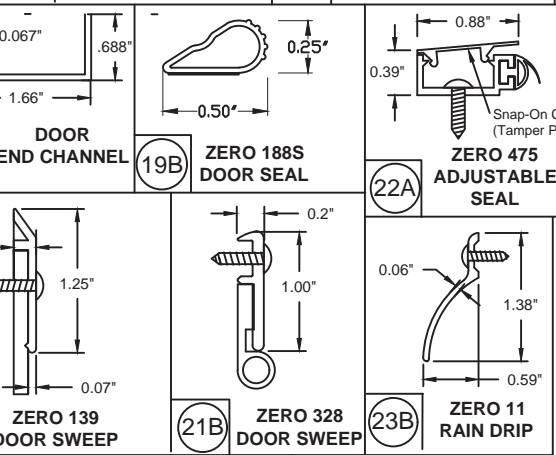
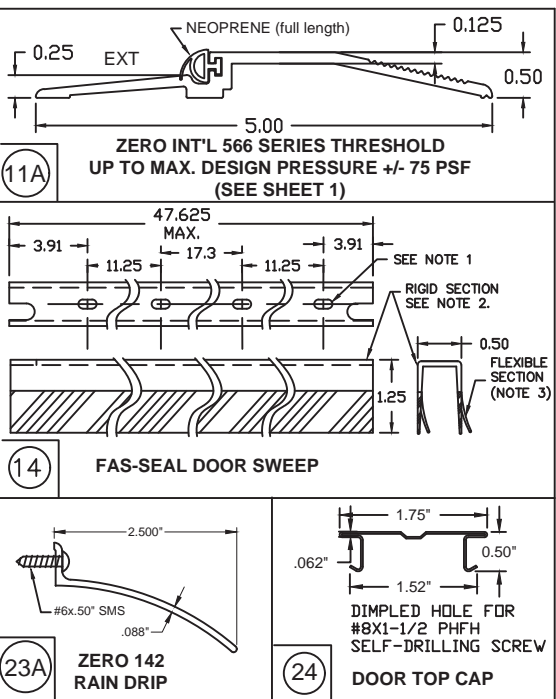


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		DRAWN YMF		DATE 05/20/07	
CHECKED		APPROVED		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES	
ENG. APPVL JPD		DATE 10/11/07		DOUBLE FLUSH DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS REQUIRED	
SCALE: NTS		AUTOCAD		SHEET 5 of 17	

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)

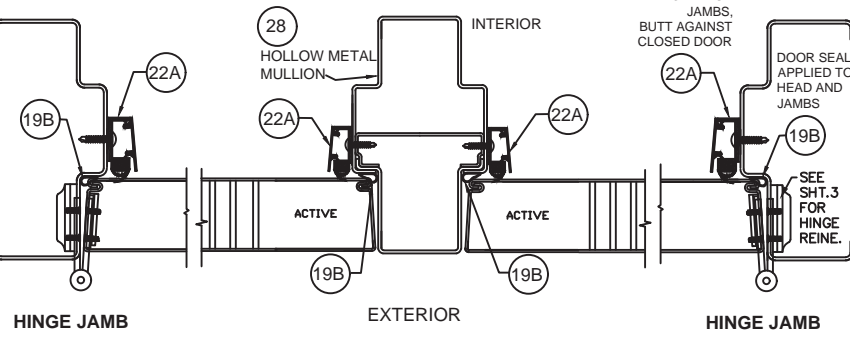
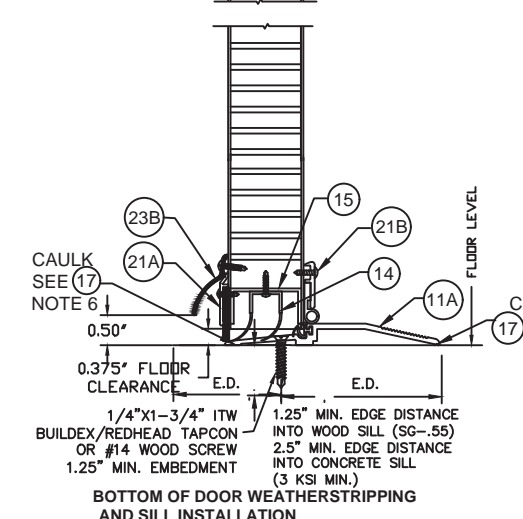
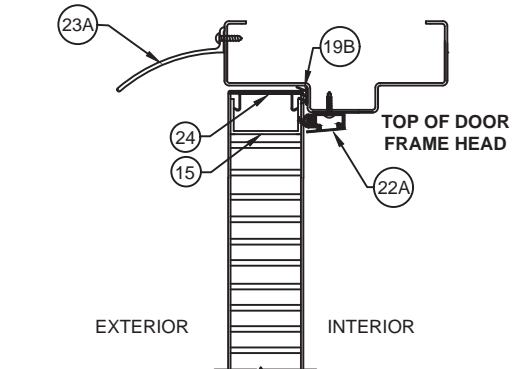
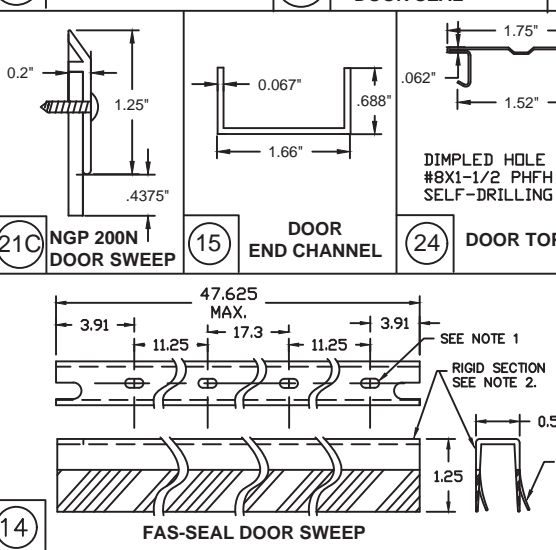
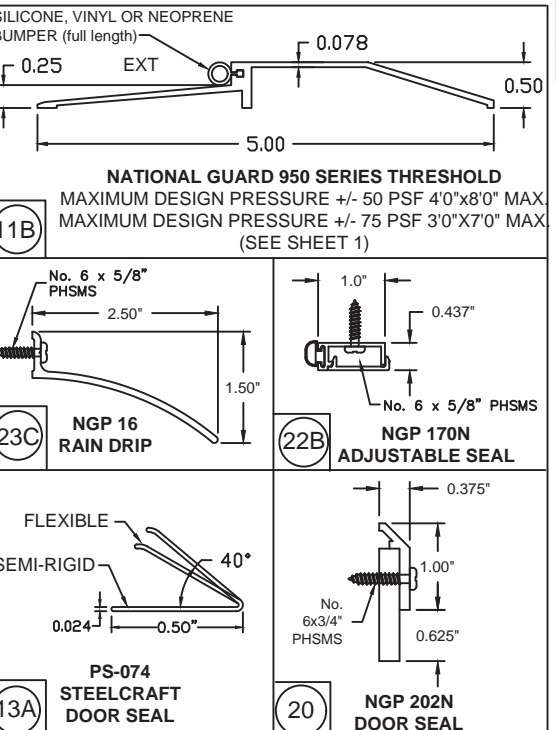
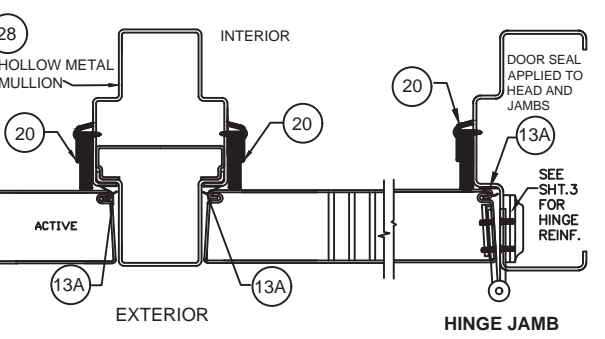
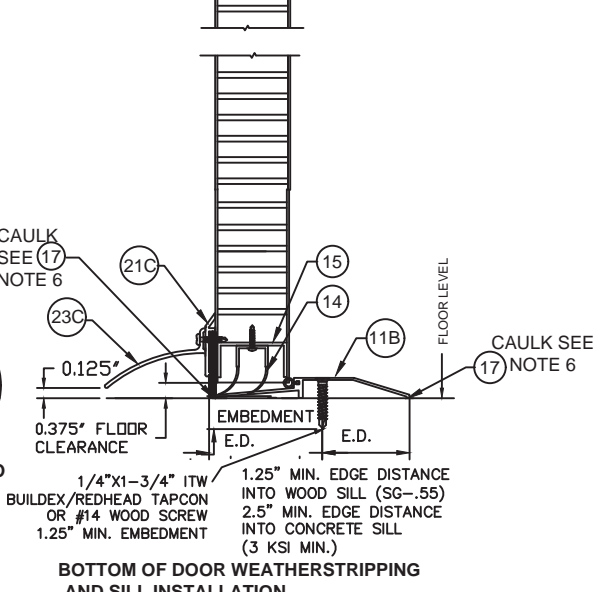
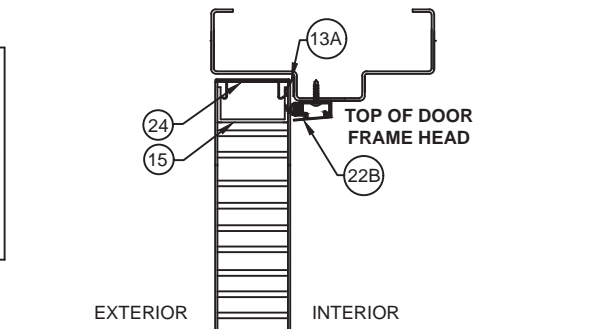


TABLE 3.3 WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

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		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		DRAWN YMF		DATE 05/20/07	
CHECKED		APPROVED		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES	
ENG. APPVL JPD		SCALE: 1 NTS		DWG NO. IRFD07	
10/11/07		AUTOCAD		SHEET 6 of 17	

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
R	2023 FBC UPDATE	DL	07/13/23

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 23-0821.19 Expiration Date 05/05/2028 By Miami-Dade Product Control

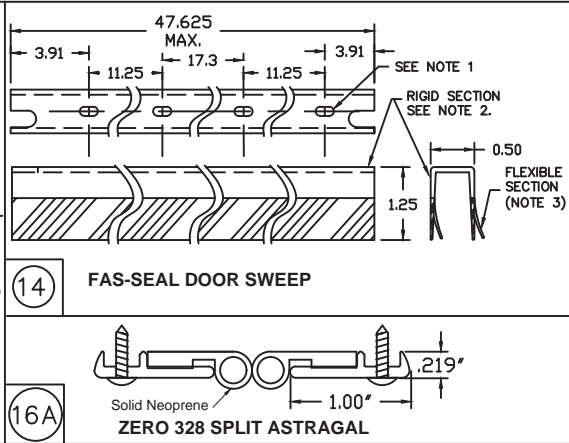
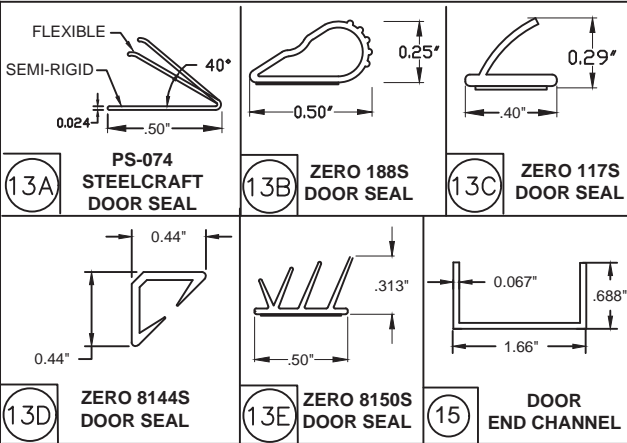


ITEM NUMBER	MODEL No./ DESCRIPTION		MFG.
11	11A	566 THRESHOLD	ZERO INT'L
	11C	65 THRESHOLD	ZERO INT'L
	11D	568 THRESHOLD	ZERO INT'L
13	13A	PS074 DOOR SEAL	STEELCRAFT
	13B	188S DOOR SEAL	ZERO INT'L
	13C	117S DOOR SEAL	ZERO INT'L
	13D	8144S DOOR SEAL	ZERO INT'L
	13E	8150S DOOR SEAL	ZERO INT'L
14	FAS-SEAL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

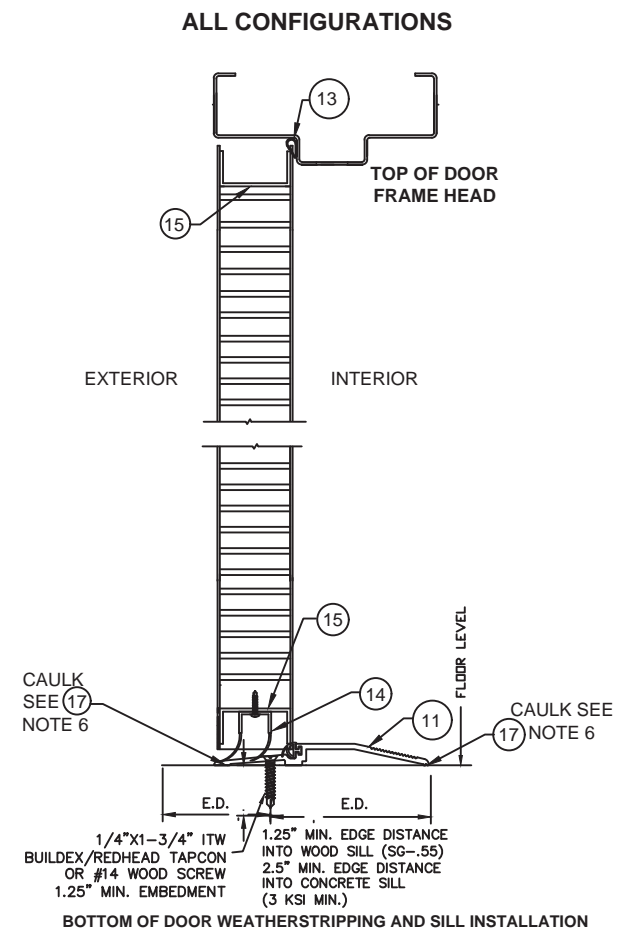
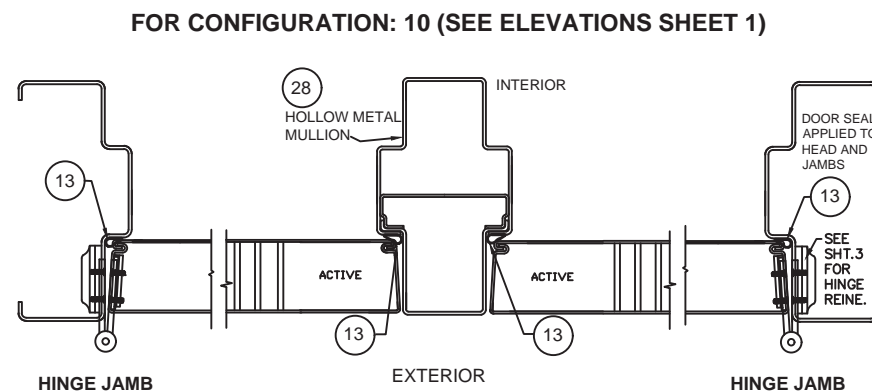
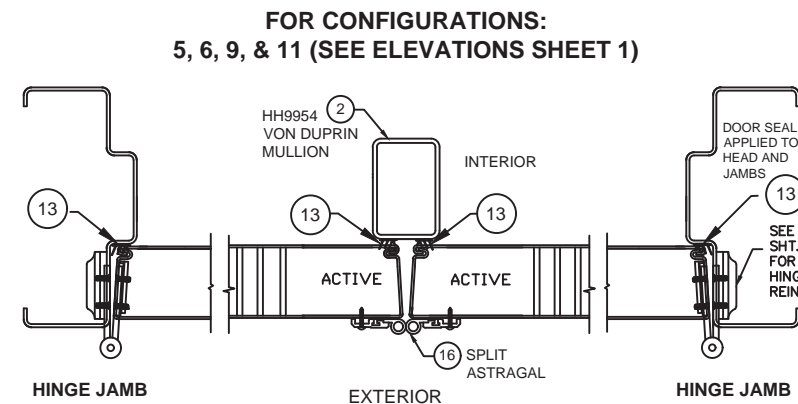
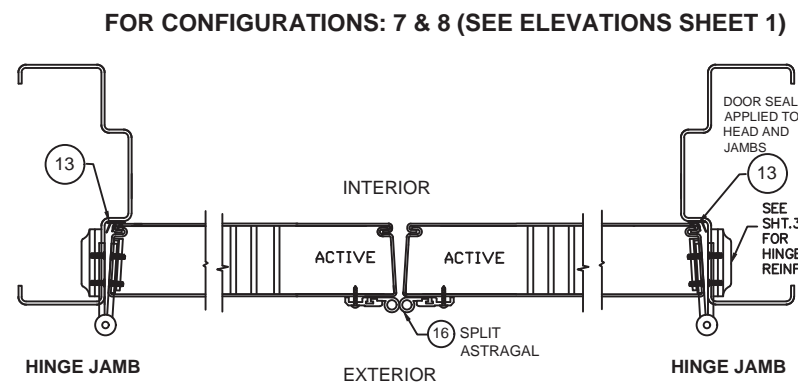
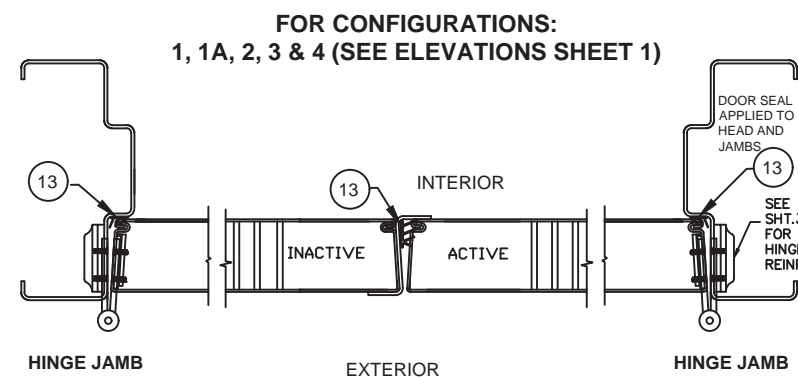
11A NEOPRENE (full length)
 0.25 EXT 0.125 5.00 0.50
ZERO INT'L 566 SERIES THRESHOLD
MAXIMUM DESIGN PRESSURE +/- 75 PSF
(SEE SHEET 1)

11C SILICONE (full length)
 0.25 EXT 0.125 5.00 0.50
ZERO INT'L 65 SERIES THRESHOLD
MAXIMUM DESIGN PRESSURE +/- 70 PSF
(SEE SHEET 1)

11D NEOPRENE (full length)
 0.13 EXT 0.125 6.00' 0.50
ZERO INT'L 568 SERIES THRESHOLD
MAXIMUM DESIGN PRESSURE +/- 75 PSF
(SEE SHEET 1)



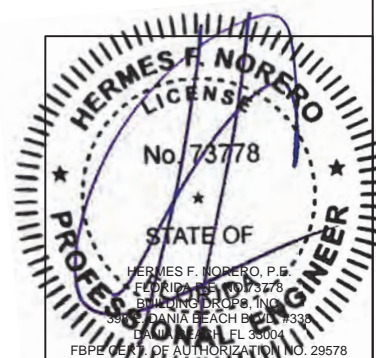
R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07	
E	REVISED DWG	YMF	04/09/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED DWG	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED DWG	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	02/03/17	
O	ADDRESS UPDATE	SM	02/27/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	
R	2023 FBC UPDATE	OL	07/13/23	



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.19

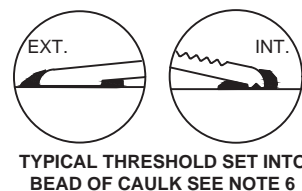
Expiration Date 05/05/2028

By
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



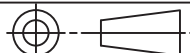
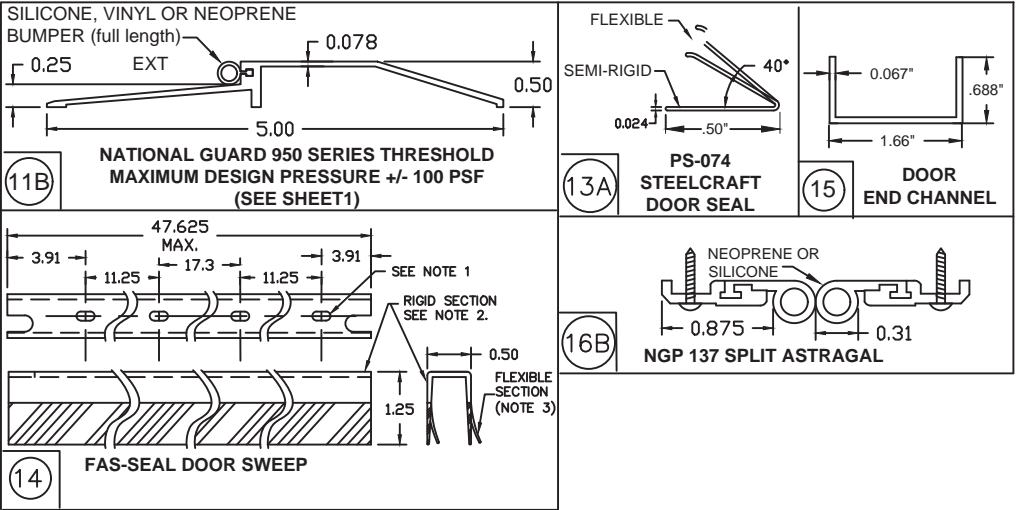
BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		
THIRD ANGLE PROJECTION				TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES		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

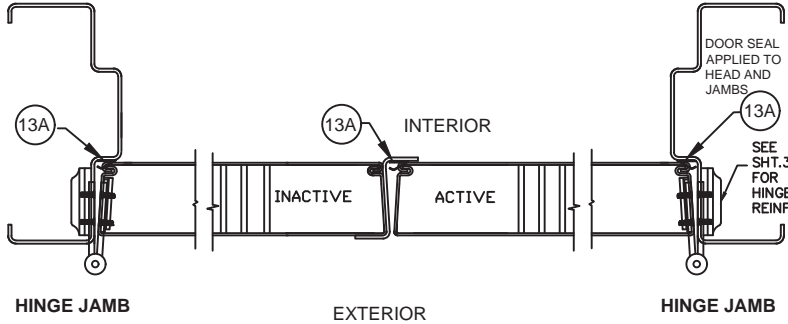


NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED -
MAXIMUM DESIGN PRESSURE 90 PSF FOR MAXIMUM DOOR SIZE OF 4'-0" X 8'-0" EXCEPT CONFIGURATION 10 LIMITED TO MAX 70 PSF (SEE ELEVATIONS SHEET 1)

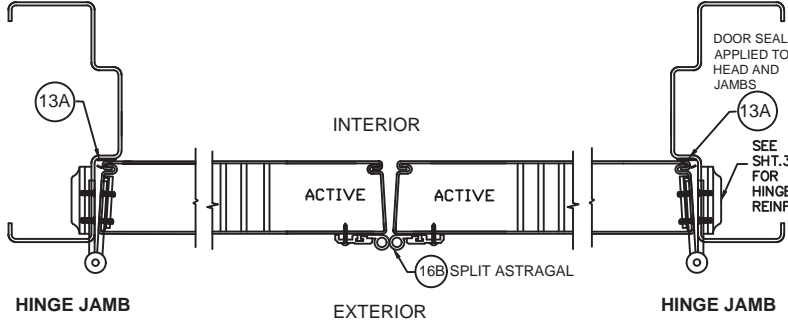
R E V I S I O N S				
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A	APPROVAL DWG	YMF	05/20/07	
E	REVISED DWG	YMF	04/09/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED DWG	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED DWG	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	02/03/17	
O	ADDRESS UPDATE	SM	02/27/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	
R	2023 FBC UPDATE	DL	07/13/23	

ALL CONFIGURATIONS

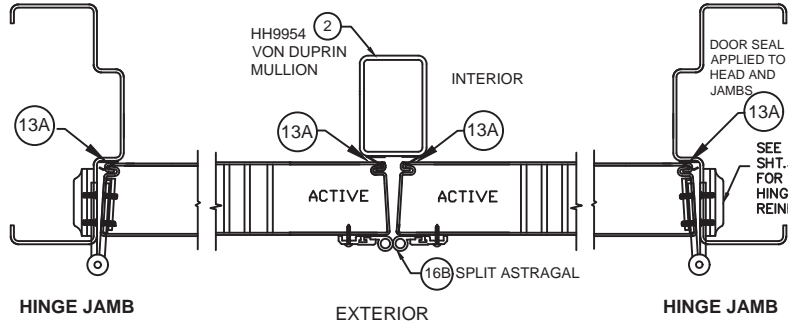
FOR CONFIGURATIONS:
1, 1A, 2, 3 & 4 (SEE ELEVATIONS SHEET 1)



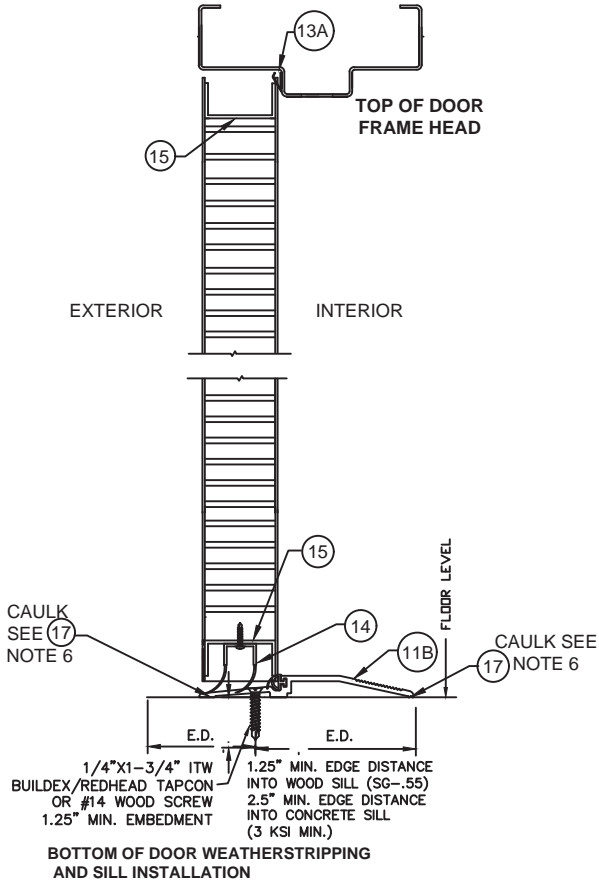
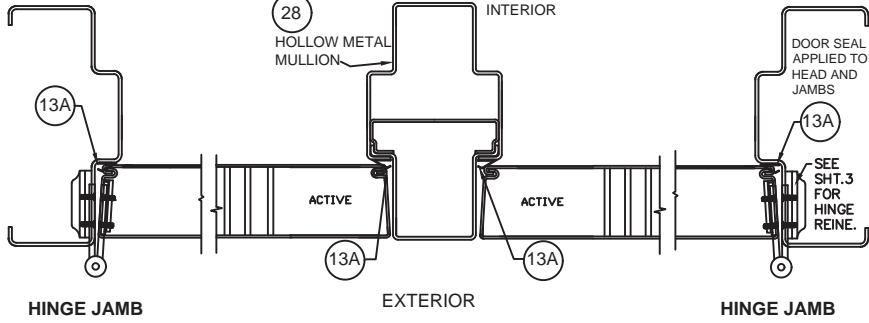
FOR CONFIGURATIONS: 7 & 8 (SEE ELEVATIONS SHEET 1)




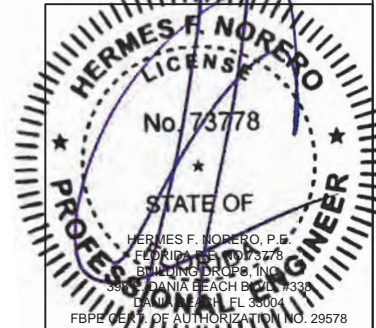
FOR CONFIGURATIONS:
5, 6, 9, & 11 (SEE ELEVATIONS SHEET 1)



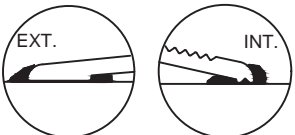
FOR CONFIGURATION: 10 (SEE ELEVATIONS SHEET 1)



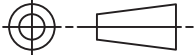
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.19
Expiration Date 05/05/2028
By 
Miami-Dade Product Control



- 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) 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



TYPICAL THRESHOLD SET INTO
BEAD OF CAULK SEE NOTE 6

BEND RADIUS					SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		
THIRD ANGLE PROJECTION										
DRAWN YMF		DATE 05/20/07		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES DOUBLE FLUSH DOOR PERIMETER NGP SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS <u>NOT</u> REQUIRED						
CHECKED										
APPROVED				SIZE	FLAT		DWG NO. IRFD07			REV R
ENG. APPVL JPD		10/11/07		SCALE: NTS		AUTOCAD			SHEET 8 of 17	

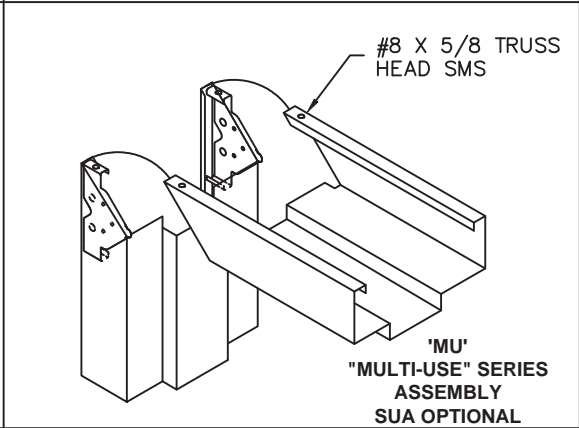
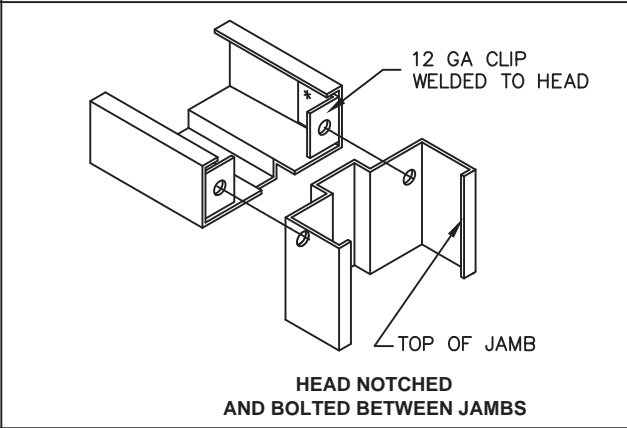
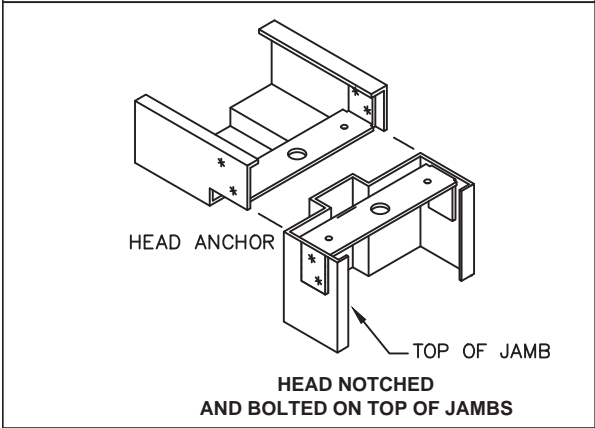
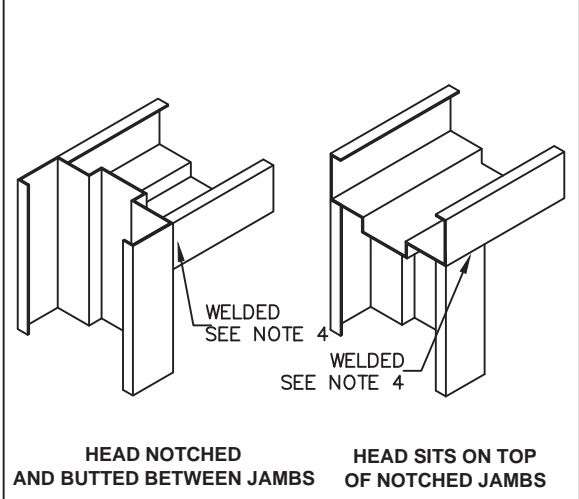
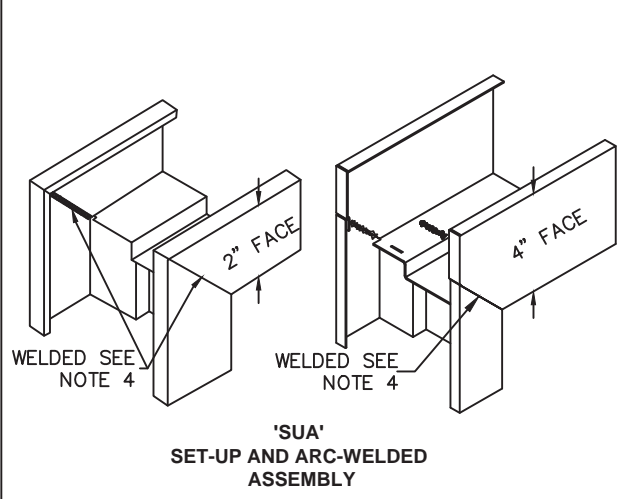
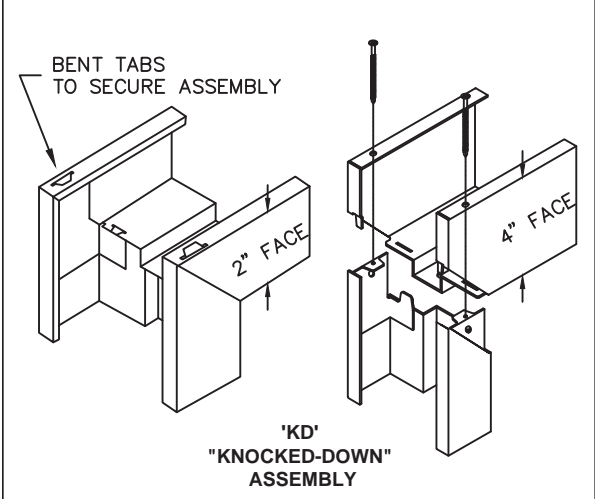



TABLE 7. STEEL MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSi	TENSILE KSi
CRS	A366	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV: A60	A924		
SS: 304,306	A240	MIN. 31.2	MIN. 73.2

PRODUCT REVISED
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NOA-No. 23-0821.19
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R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF 05/20/07	
F	REVISED DWG	YMF 06/02/08	
G	REVISED 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	
Q	ANCHOR/STRIKE UPDATE	LL 04/11/22	
R	2023 FBC UPDATE	OL 07/13/23	

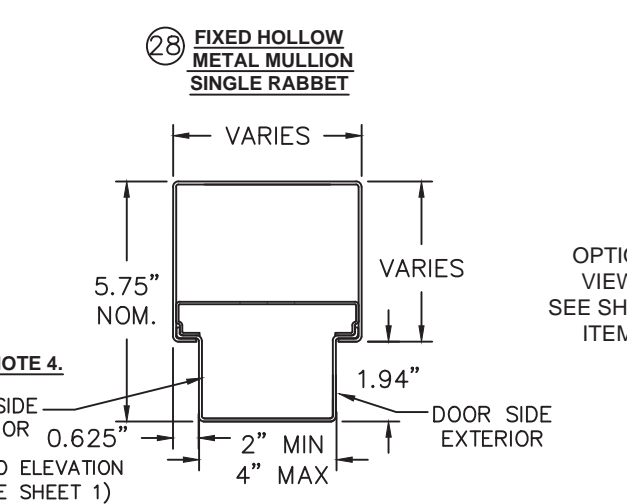
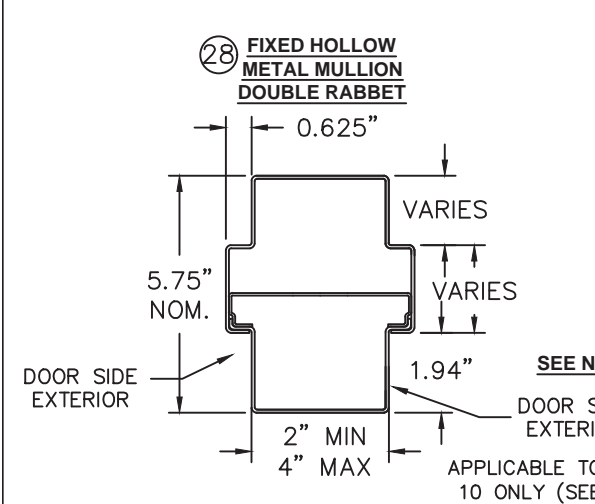
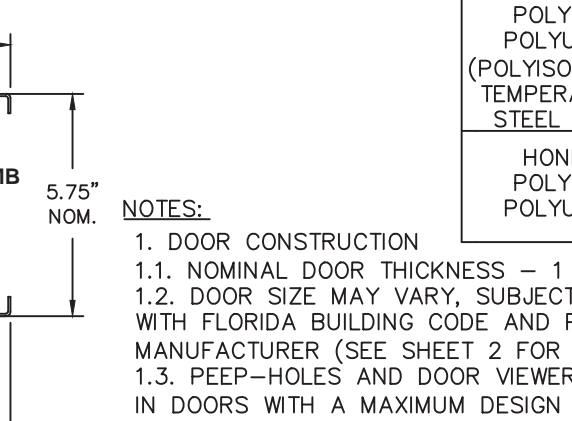
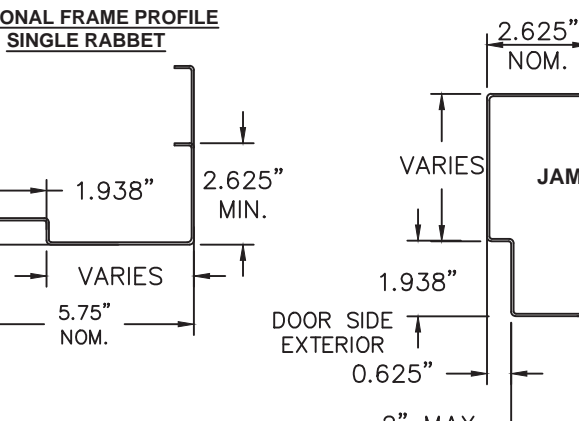
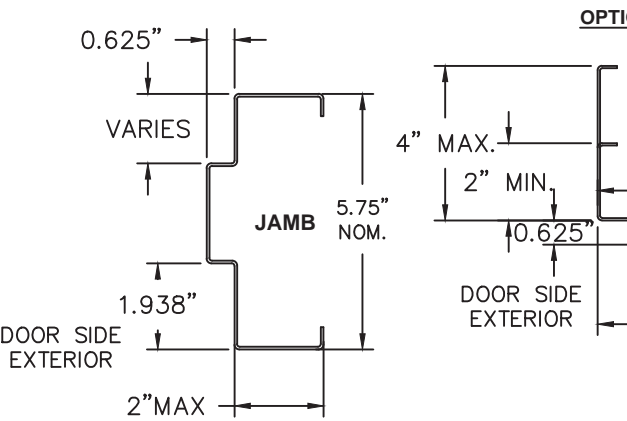
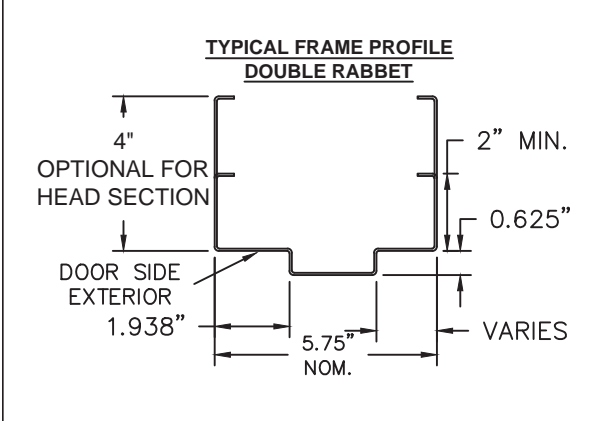
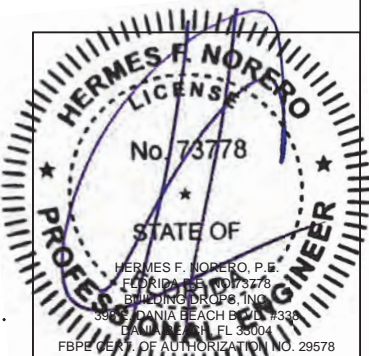
TABLE 6. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

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"
				CRS/HRS GALV	16/.053" 14/.067"
MU	5.75" NOM.	8'0"	8'0"	CRS/HRS GALV	16/.053" 14/.067"

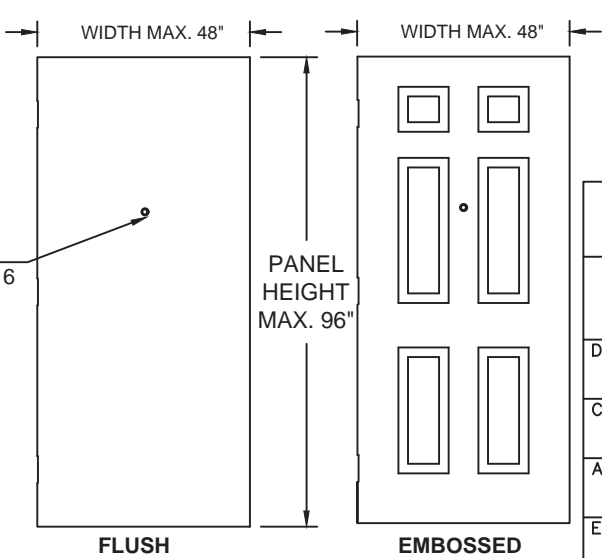
TABLE 5. AVAILABLE STEELCRAFT DOOR CONFIGURATIONS

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"

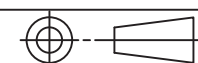
- NOTES:**
- DOOR CONSTRUCTION
 - 1.1. NOMINAL DOOR THICKNESS – 1 3/4"
 - 1.2. DOOR SIZE MAY VARY, SUBJECTED TO COMPLIANCE WITH FLORIDA BUILDING CODE AND PRODUCT AVAILABILITY FROM MANUFACTURER (SEE SHEET 2 FOR AVAILABLE HARDWARE)
 - 1.3. PEEP-HOLES AND DOOR VIEWERS ARE PERMITTED TO BE USED IN DOORS WITH 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 MULT-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

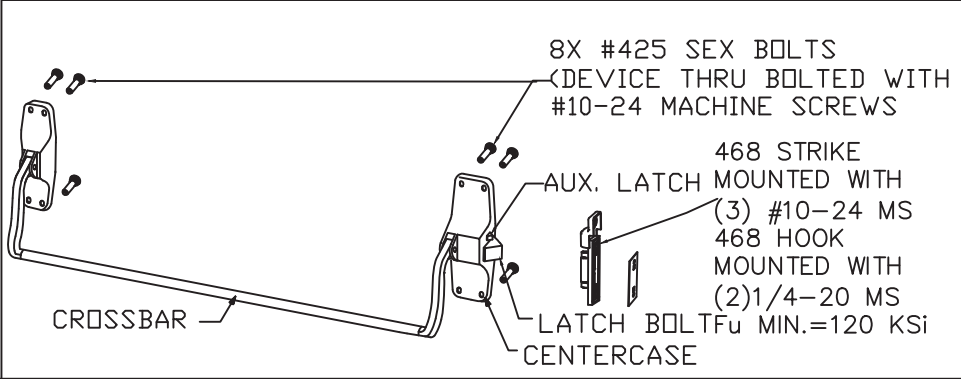


AVAILABLE DOOR PANEL CONFIGURATIONS

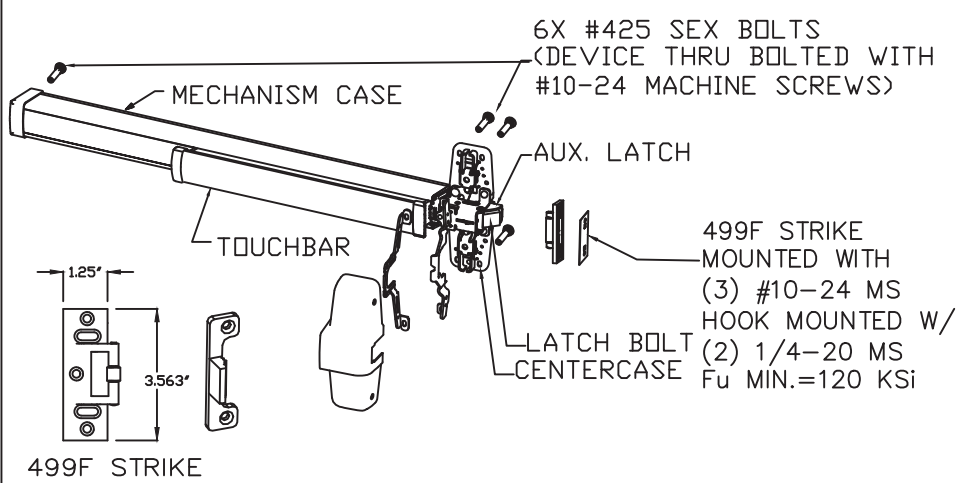


HOLLOW MULLION MATERIAL: MINIMUM THICKNESS IS 0.053" (16 Ga.)
HOLLOW MULLION MINIMUM YIELD STRENGTH = 58,000 PSI
HOLLOW MULLION MINIMUM TENSILE STRENGTH = 45,700 PSI

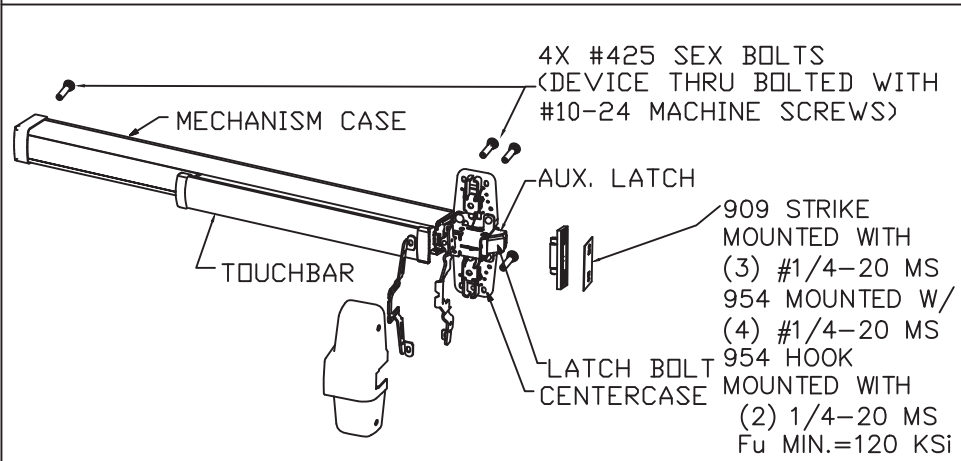
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES	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



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

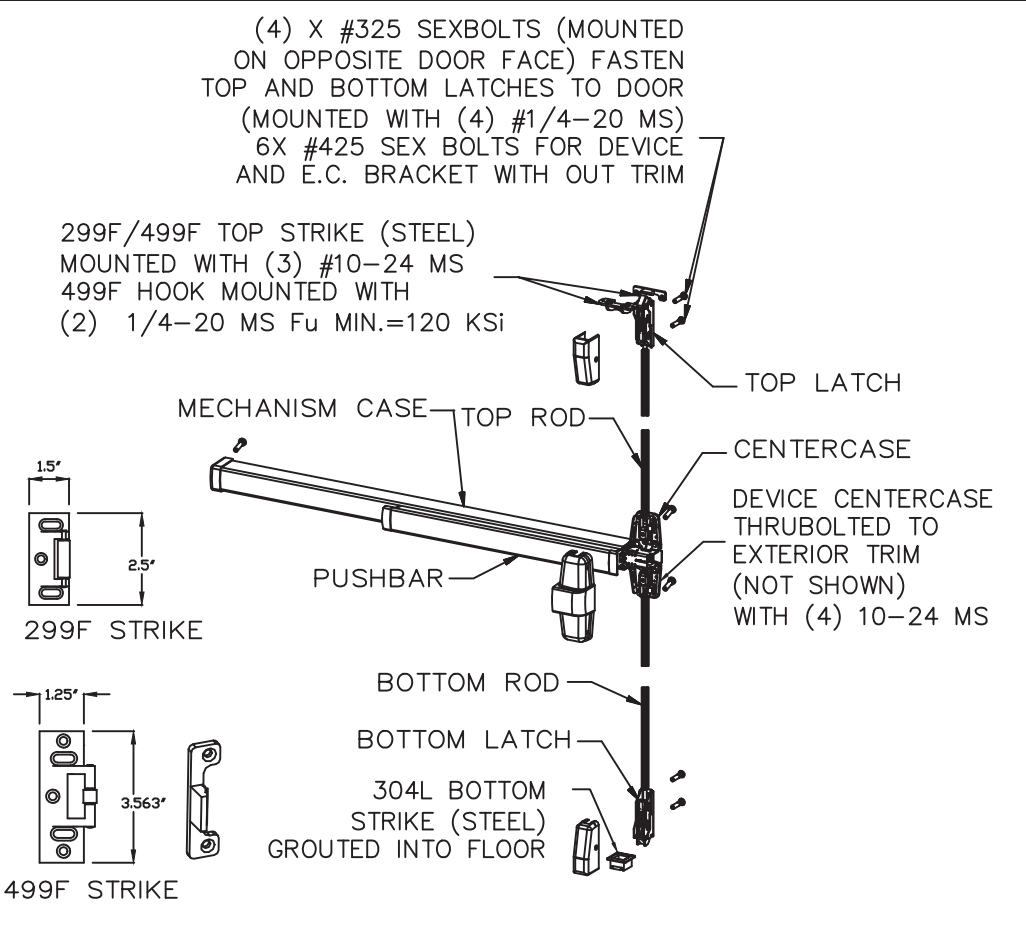


RIM EXIT DEVICE VON DUPRIN 98, 99, 98-F & 99-F
USED IN DOOR CONFIGURATION: 6

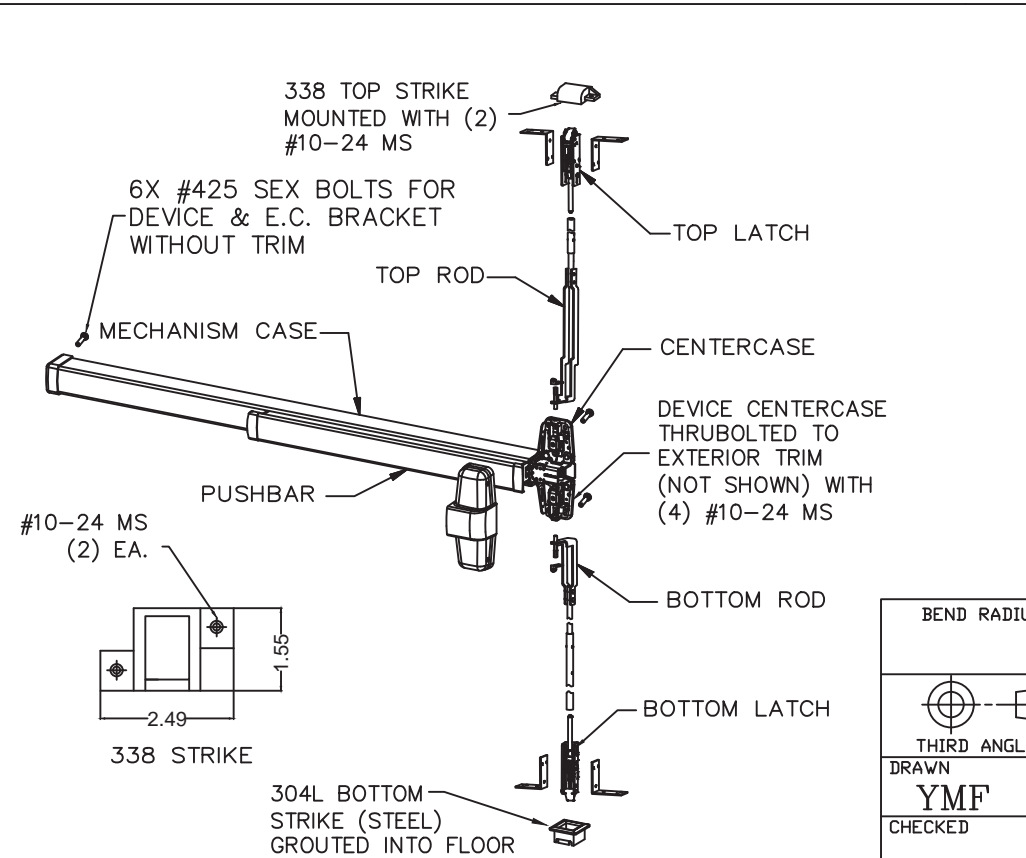


RIM EXIT DEVICE VON DUPRIN XP98, XP99, XP98-F & XP99-F
USED IN DOOR CONFIGURATION: 5

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.



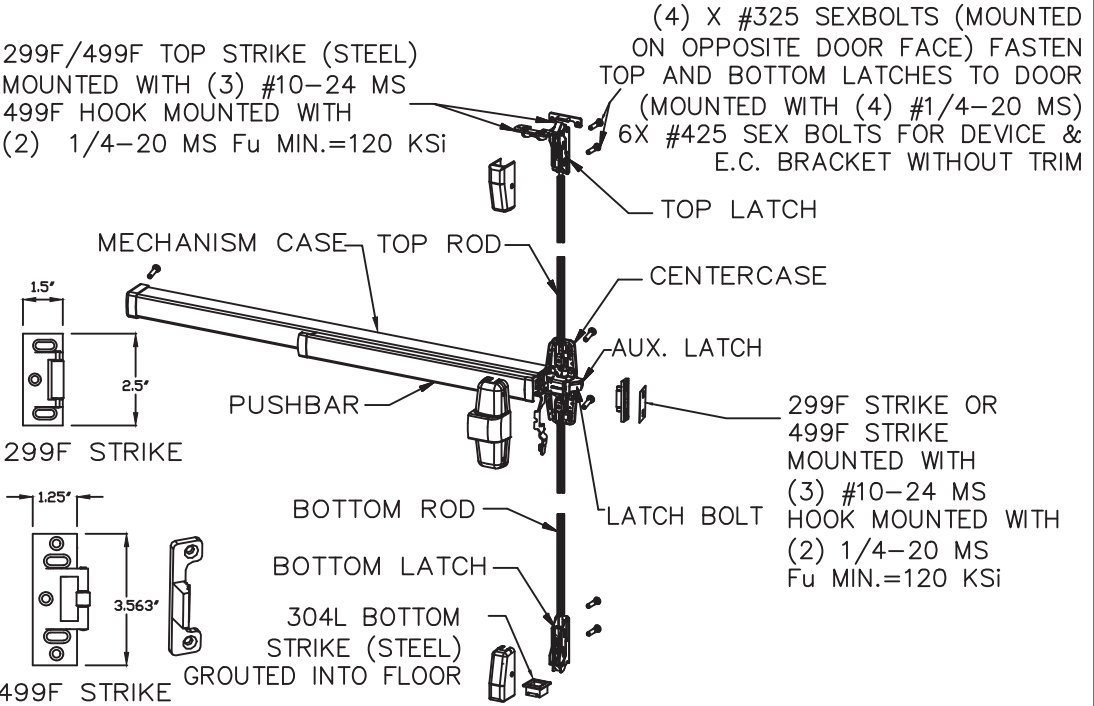
SURFACE VERTICAL ROD EXIT DEVICE VON DUPRIN 9827, 9927, 9827-F & 9927-F
USED IN DOOR CONFIGURATION: 7




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

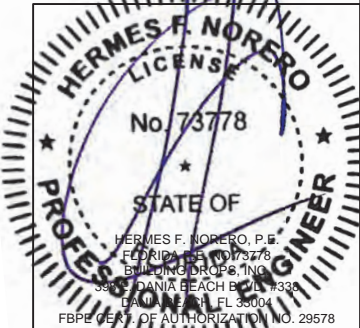
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
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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	
Q	ANCHOR/STRIKE UPDATE LL	04/06/20	
R	2023 FBC UPDATE DL	07/13/23	

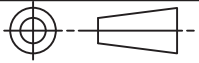


THREE-POINT EXIT DEVICE VON DUPRIN 9857, 9957, 9857-F & 9957-F
USED IN DOOR CONFIGURATIONS: 9 & 10

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BEND RADIUS



THIRD ANGLE PROJECTION

DRAWN	DATE
YMF	05/20/07
CHECKED	CDATE
APPROVED	ADATE
ENG. APPVL	EDATE
JPD	10/12/07

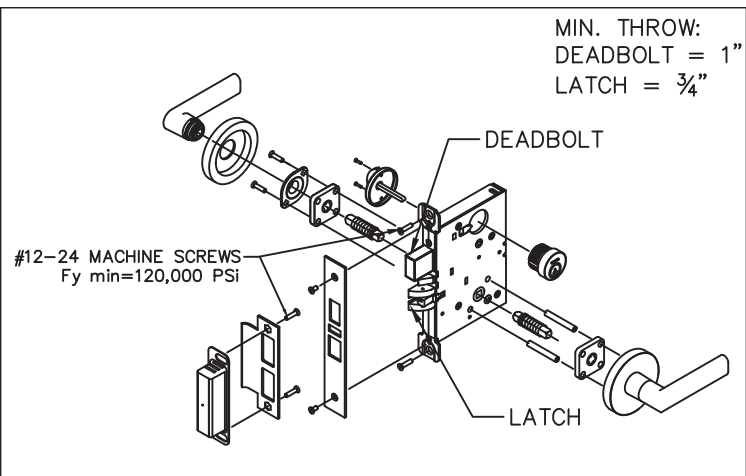
SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032

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

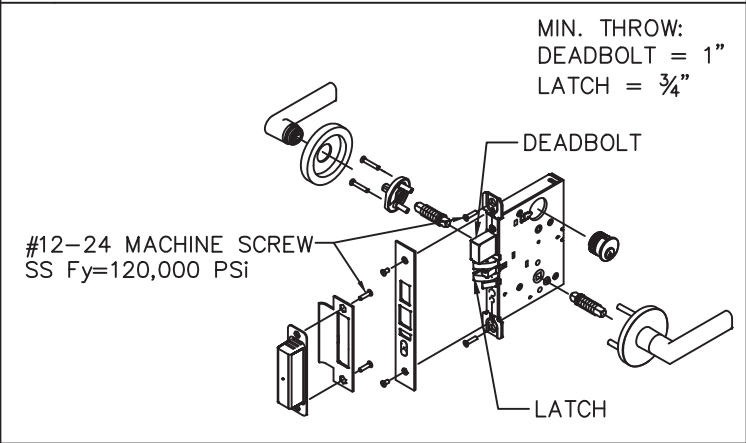
TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES.

EXIT HARDWARE FOR FLUSH DOUBLE DOORS.

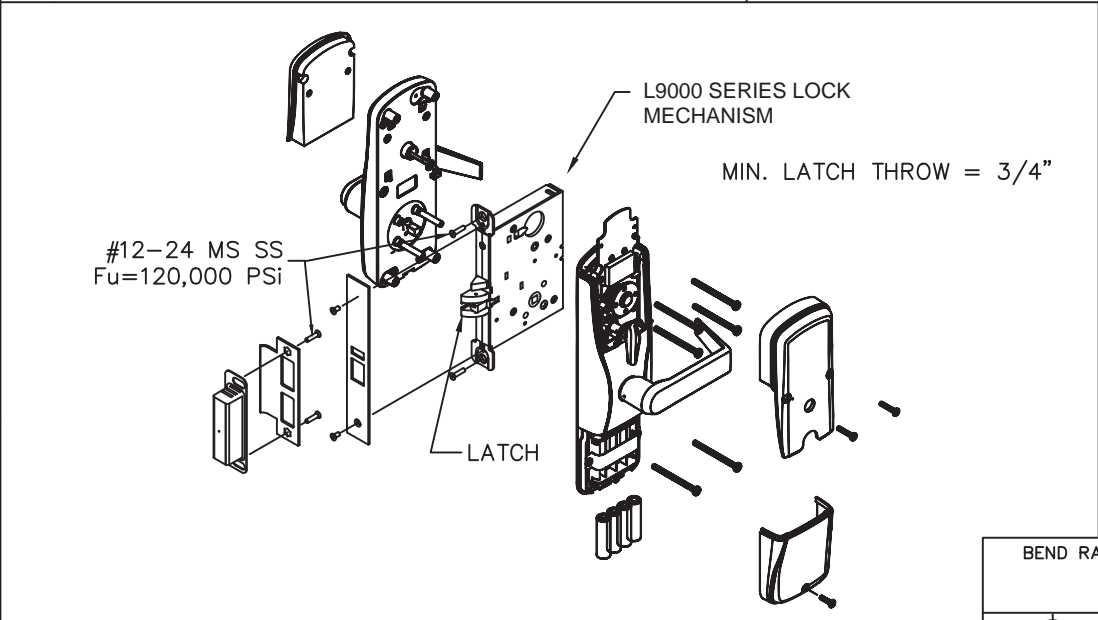
SIZE	FLAT	DWG NO.	IRFD07	REV	R
SCALE:	NTS	AUTOCAD		SHEET	10 OF 17



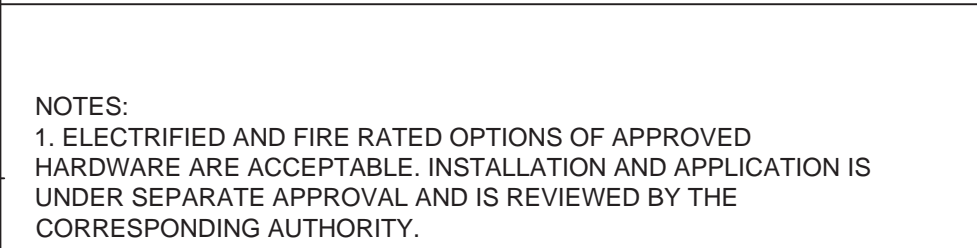
SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET
W/ DEADBOLT. USED IN CONFIGURATION: 1

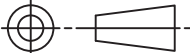


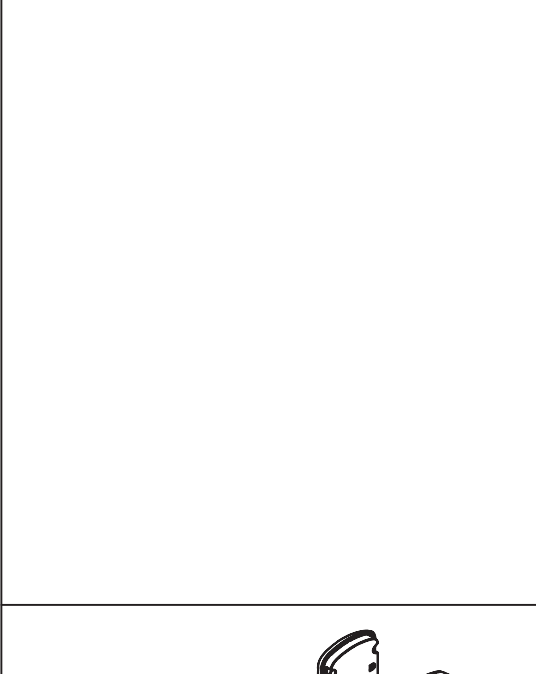
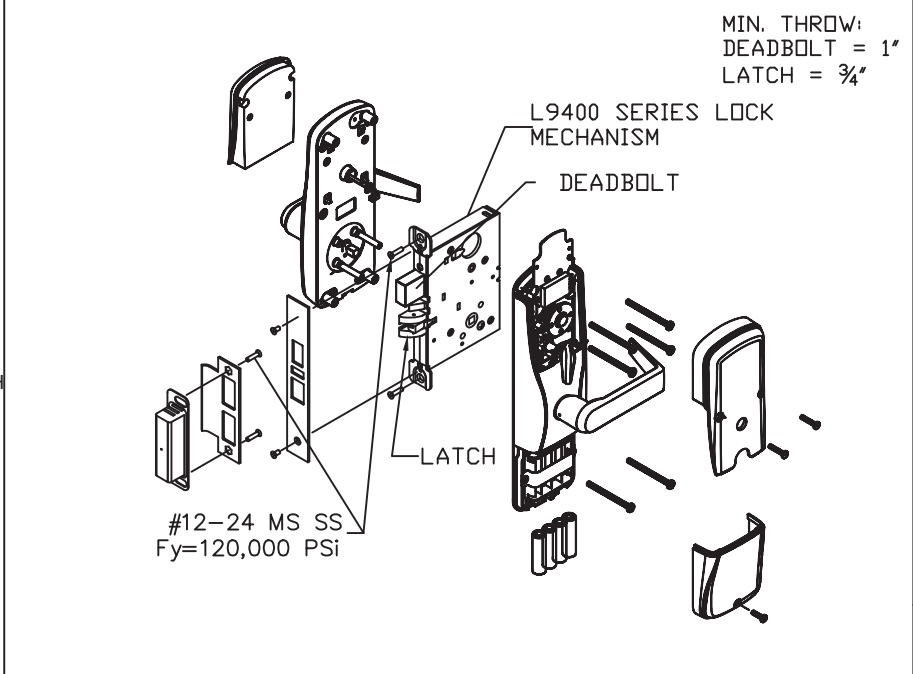
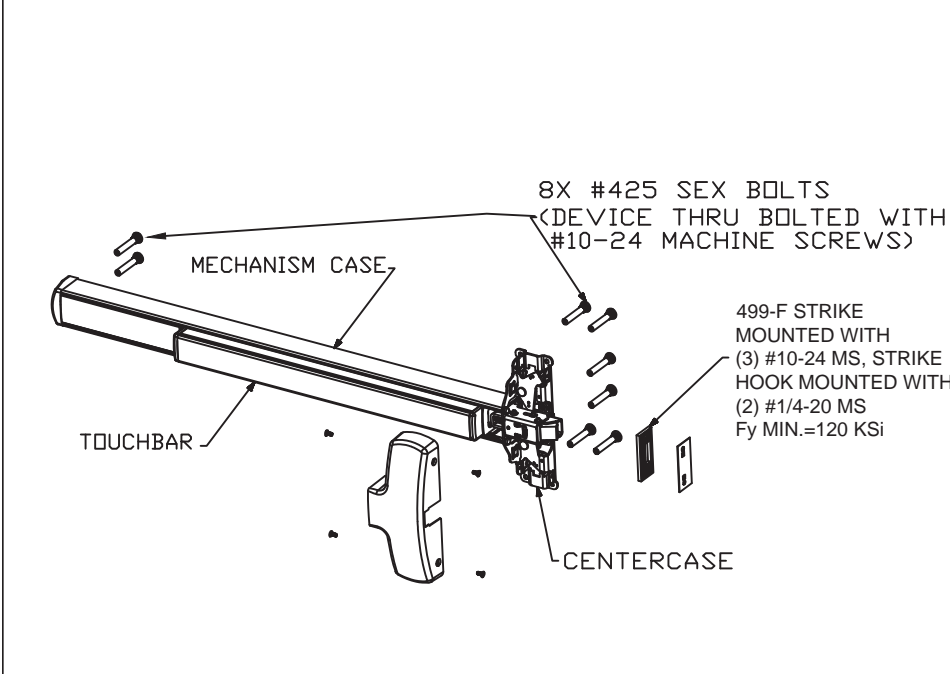
FALCON MA-SERIES MORTISE LOCKSET W/ DEADBOLT
USED IN CONFIGURATION: 1



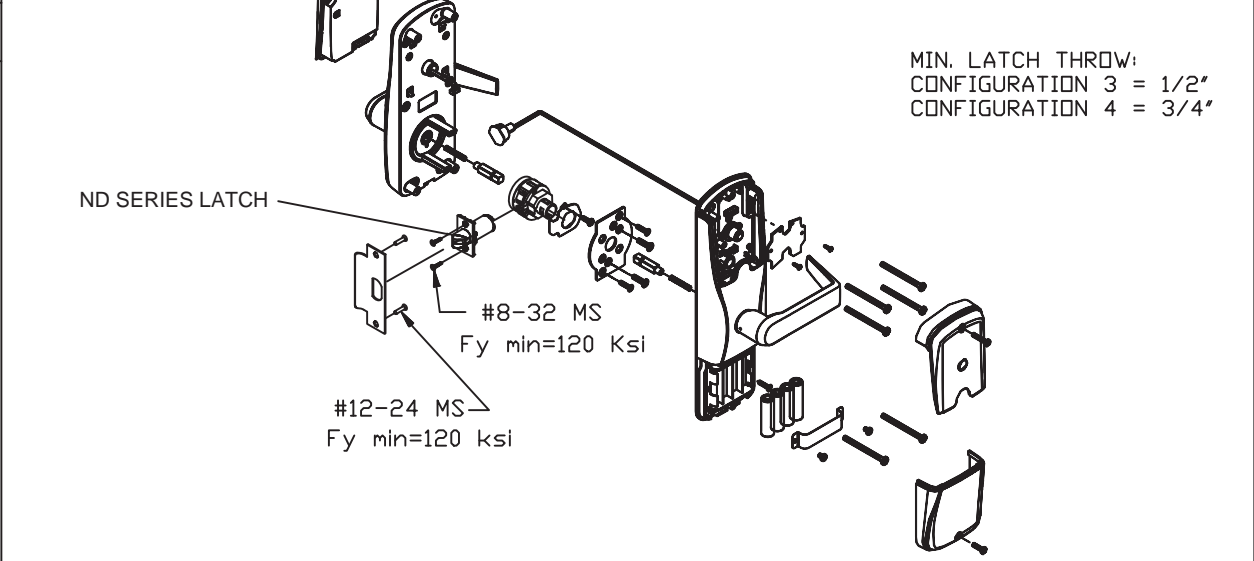
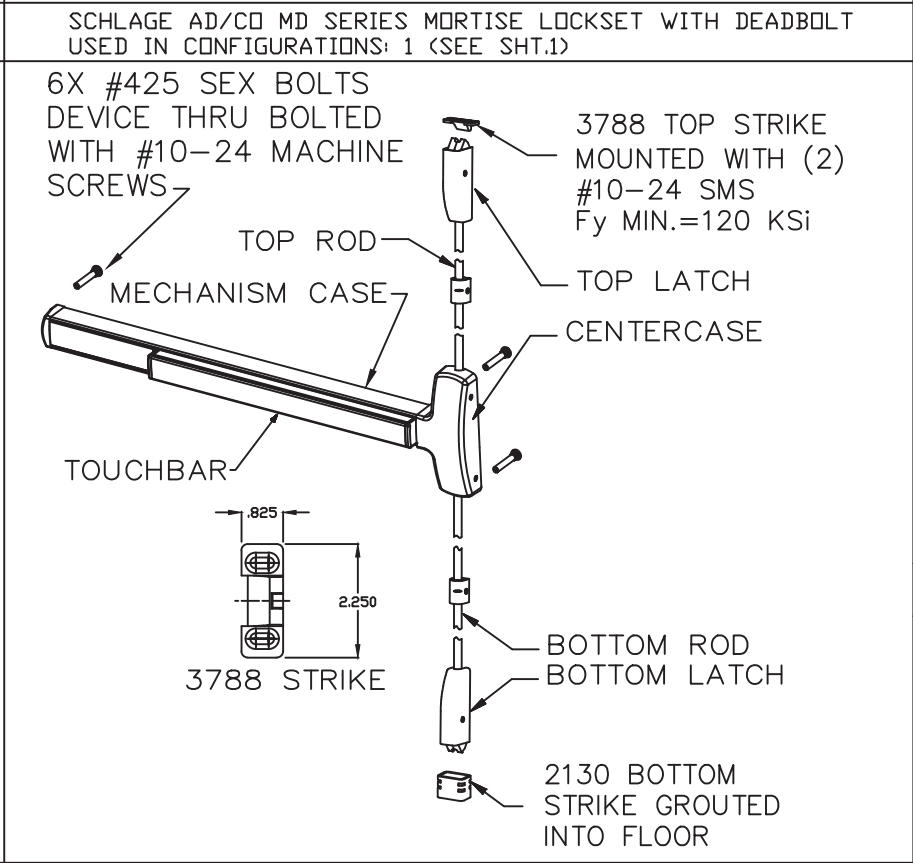
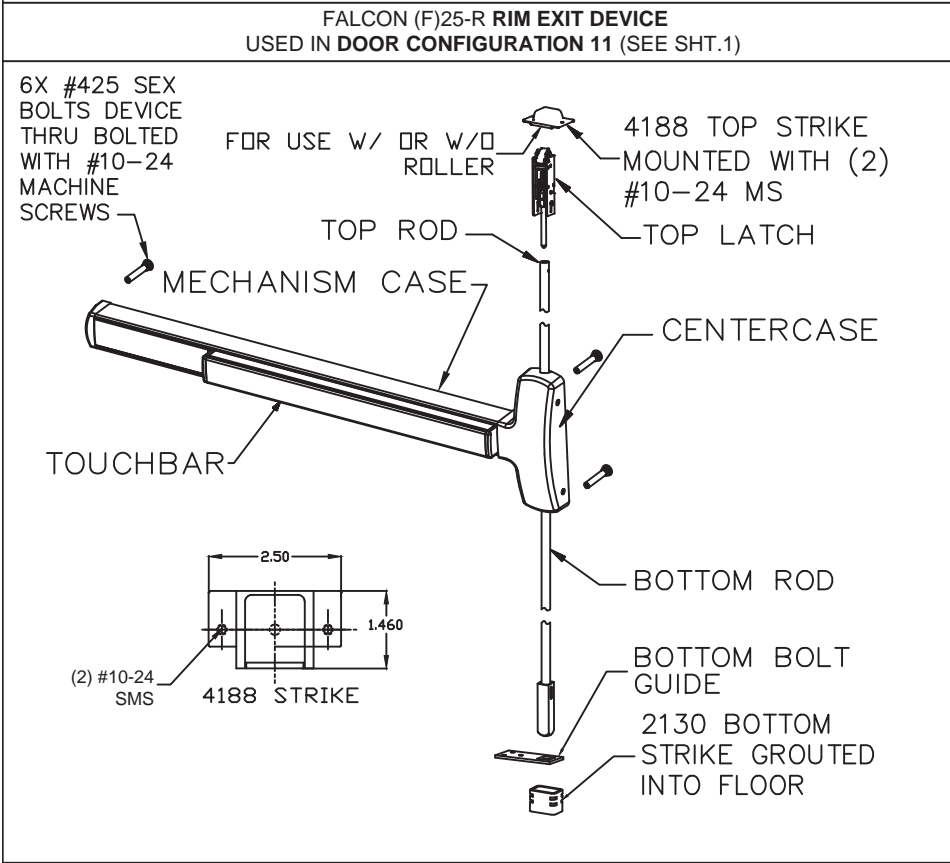
SCHLAGE AD/CO MS SERIES MORTISE LOCK WITHOUT DEADBOLT
USED IN CONFIGURATION: 1A




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 HARDWARE FOR FLUSH DOUBLE DOORS.			
DRAWN YMF	DATE 05/20/07				
CHECKED					
APPROVED		SIZE	FLAT	DWG NO.	REV
				IRFD07	R
ENG. APPVL JPD	10/12/07	SCALE:	NTS	AUTOCAD	SHEET 11 OF 17




R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07	
D	REVISED DWG	YMF	01/23/08	
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	
R	2023 FBC UPDATE	OL	07/13/23	



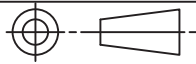
SCHLAGE AD/CO CY SERIES CYLINDRICAL LOCKSET
USED IN CONFIGURATIONS: 3&4 (SEE SHT.1)

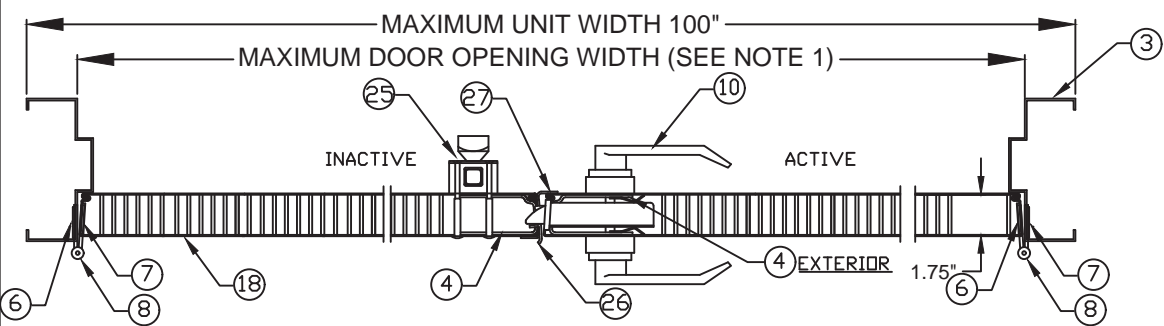
PRODUCT REVISED
as complying with the Florida
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Expiration Date 05/05/2028
By 
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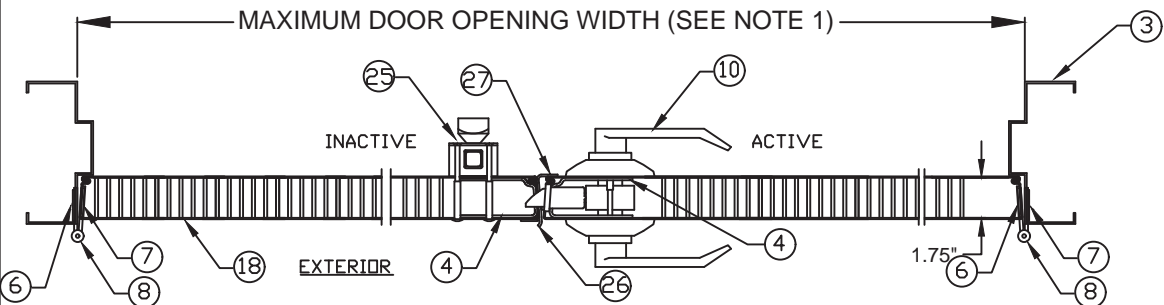
NOTES:
ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART
OF THIS APPROVAL AND TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL.

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.

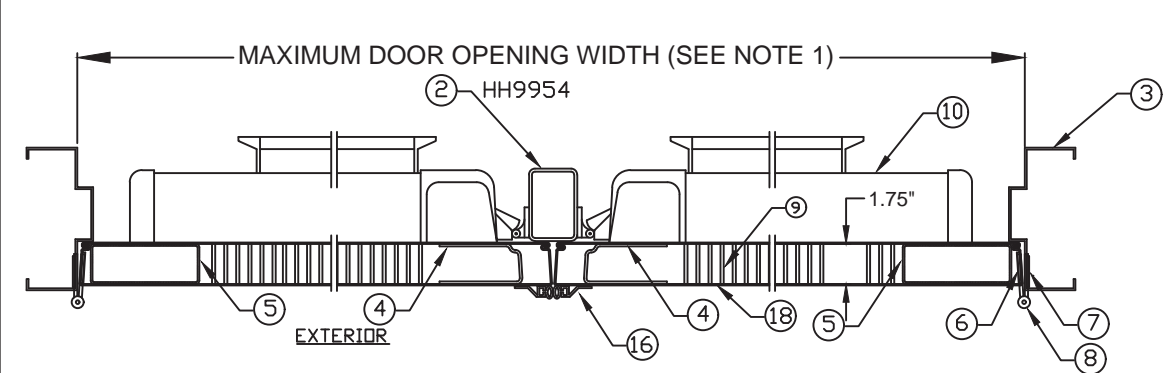
BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242			
THIRD ANGLE PROJECTION									
DRAWN YMF	DATE 05/20/07	TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND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



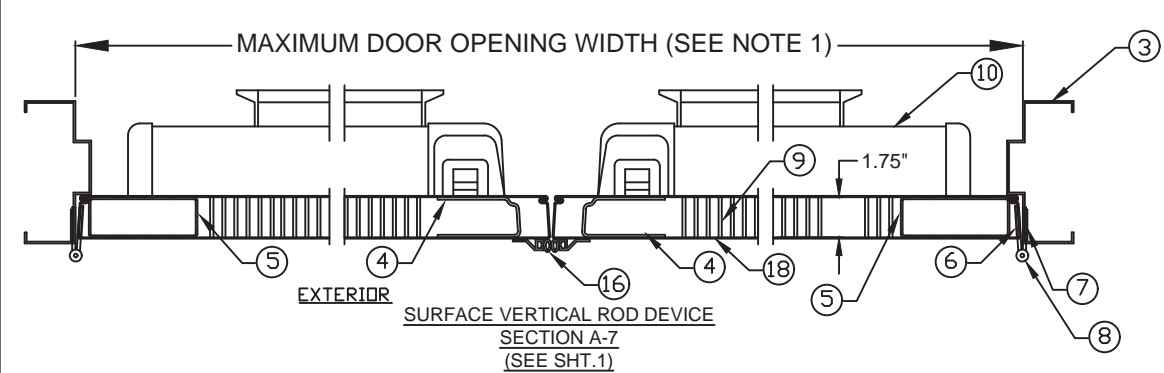
MORTISE LOCKSET
SECTION A-1
(SEE SHT.1)



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

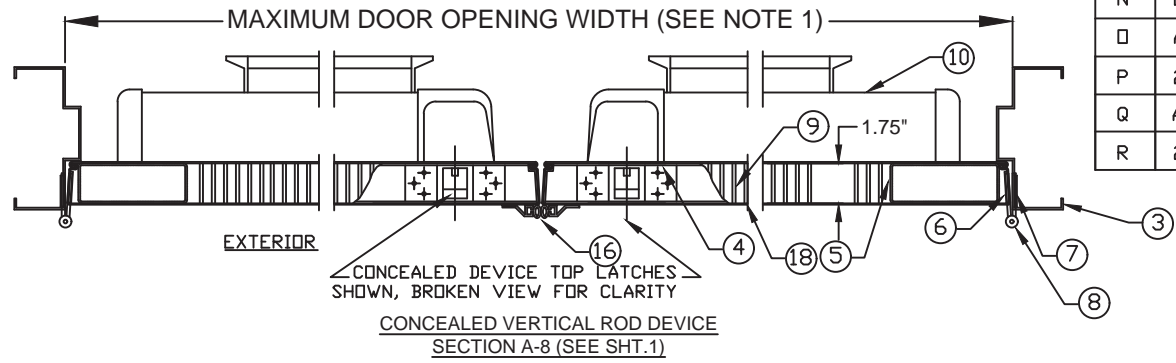


RIM PANIC DEVICE
VON DUPRIN HARDWARE MULLION. SECTION A-5, A-6, A-11
(SEE SHT.1)

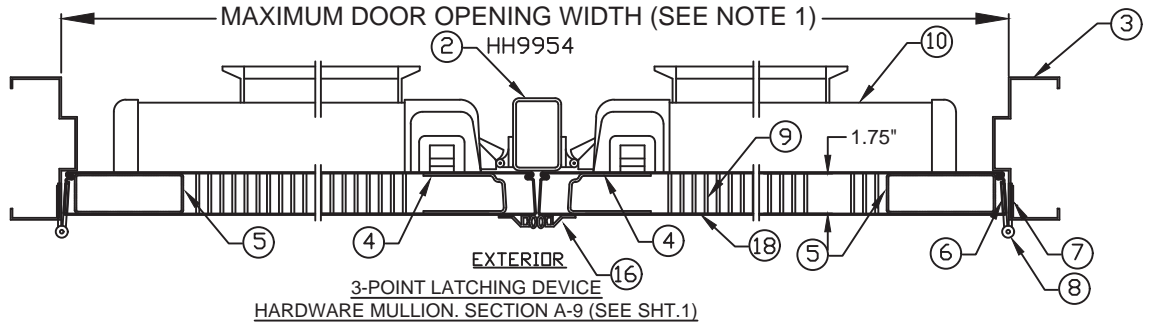


SURFACE VERTICAL ROD DEVICE
SECTION A-7
(SEE SHT.1)

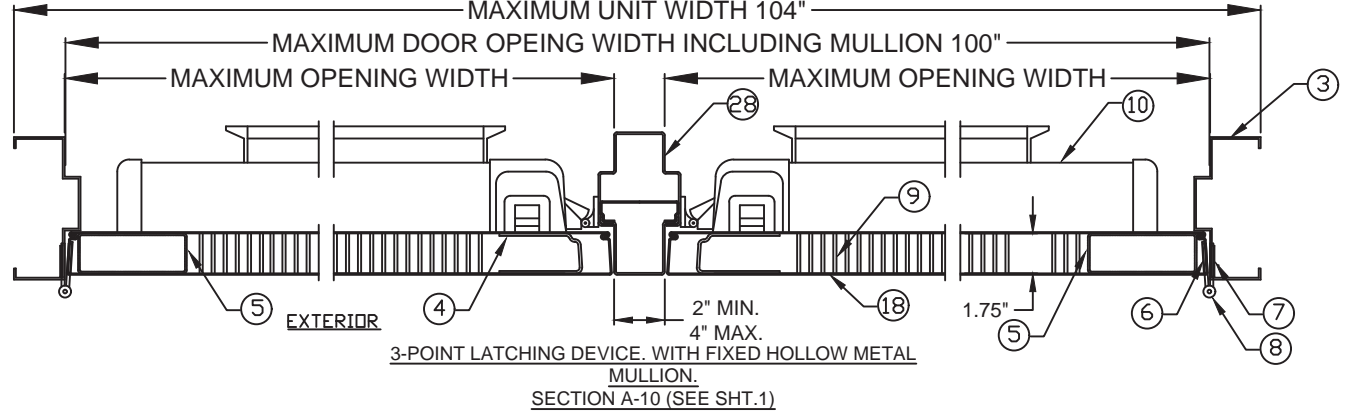
NOTES:
1. FOR MAXIMUM OPENING SIZE SEE TABLE 1 ON SHEET 2 & FOR MAXIMUM UNIT WIDTH SEE SHEET 1.
2. SEE SHEET 4 & 15 FOR ANCHOR INSTALLATION AND SHEETS 3, 4, 5, 6 & 15 FOR SILL INSTALLATION DETAILS AND SHEETS 15 & 16 FOR MULLION INSTALLATION.



CONCEALED DEVICE TOP LATCHES
SHOWN, BROKEN VIEW FOR CLARITY
CONCEALED VERTICAL ROD DEVICE
SECTION A-8 (SEE SHT.1)




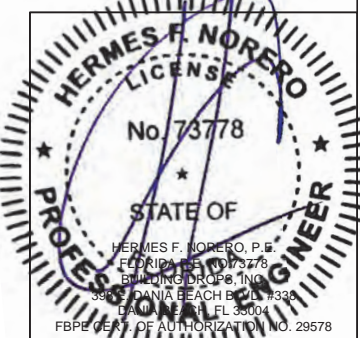
3-POINT LATCHING DEVICE
HARDWARE MULLION. SECTION A-9 (SEE SHT.1)




3-POINT LATCHING DEVICE, WITH FIXED HOLLOW METAL
MULLION.
SECTION A-10 (SEE SHT.1)

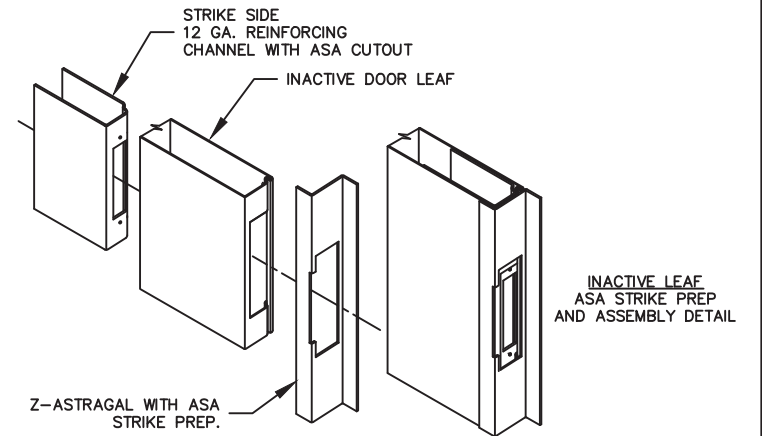
R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07	
G	REVISED PER_MDBCCO	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED PER_MDBCCO	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	
N	ENGINEER CHANGE	LA	02/23/17	
O	ADDRESS UPDATE	SM	02/27/20	
P	2020 FBC UPDATE	NUS	07/07/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	
R	2023 FBC UPDATE	OL	07/13/23	

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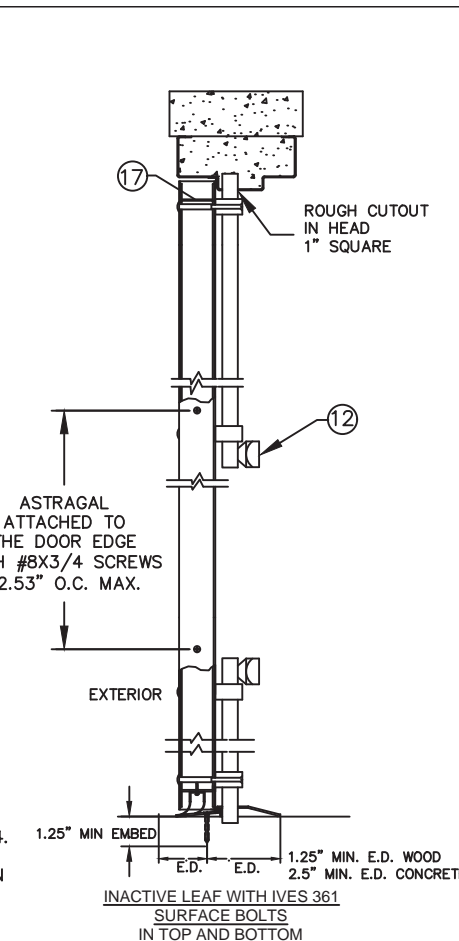
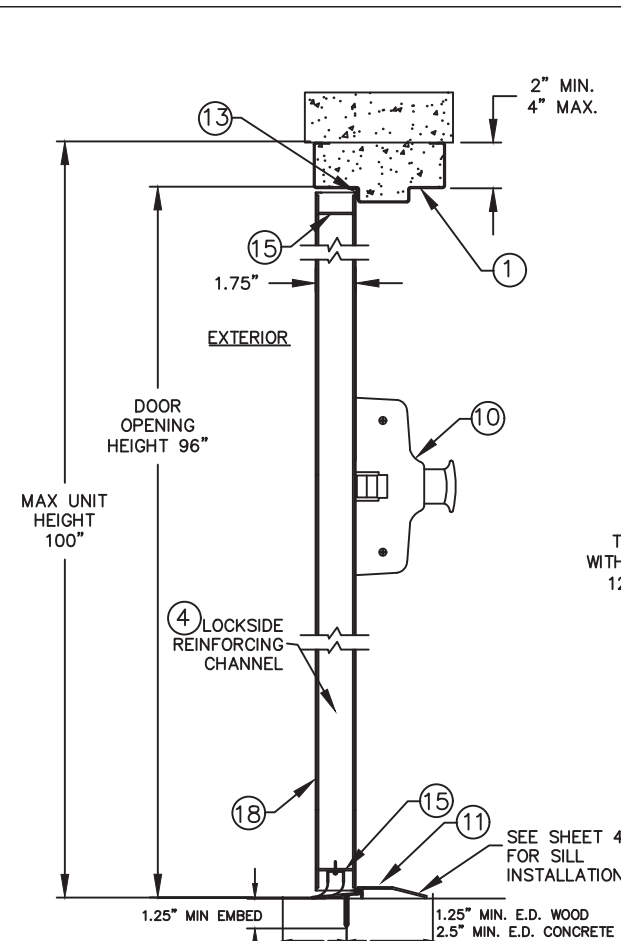
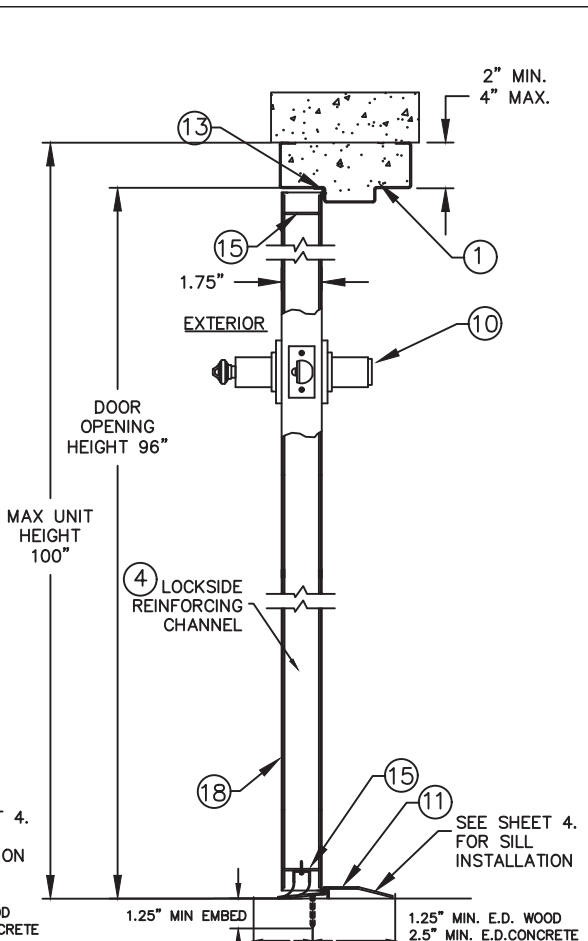
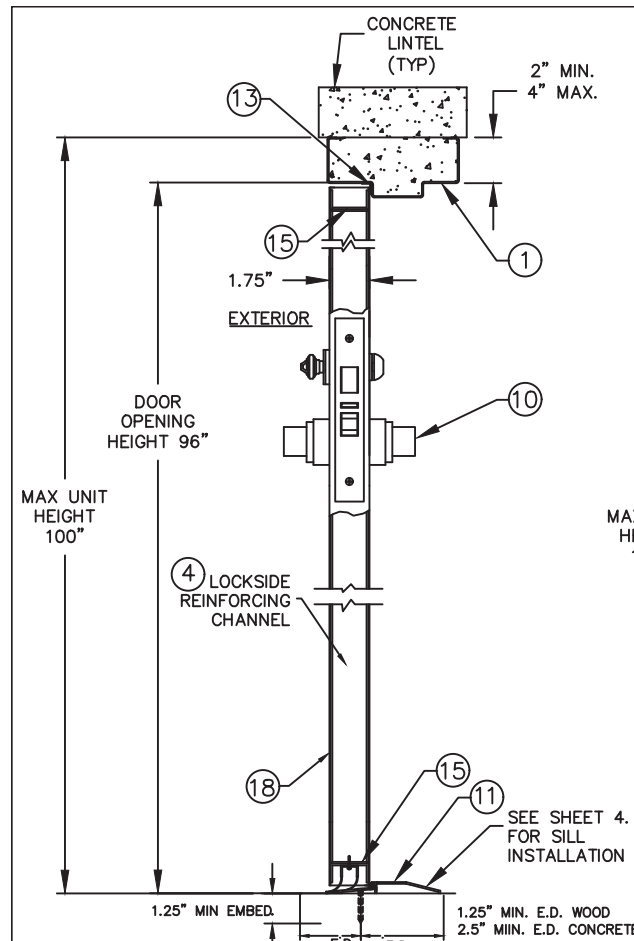
BEND RADIUS					SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242			
THIRD ANGLE PROJECTION					TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES						
DRAWN YMF		DATE 05/20/07		HORIZONTAL CROSS SECTIONS FOR FLUSH DOUBLE DOORS.							
CHECKED											
APPROVED		SIZE	FLAT		DWG NO.			IRFD07		REV R	
ENG. APPVL		SCALE:	NTS		AUTOCAD					SHEET 13 OF 17	

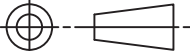
R E V I S I O N S					
LTR	DESCRIPTION			DATE	APPROVED
A	APPROVAL	DWG	YMF	05/20/07	
G	REVISED	PER_MDBCCO	YMF	02/06/09	
H	REVISED	DWG	YMF	03/18/09	
J	REVISED	PER_MDBCCO	YMF	04/06/10	
K	REVISED	NAME	JPD	11/01/13	
L	REVISED	DWG	JPD	02/01/15	
M	REVISED	DWG	JPD	05/05/15	
N	ENGINEER	CHANGE	LA	03/10/17	
O	ADDRESS	UPDATE	SM	02/27/20	
Q	ANCHOR/STRIKE		UPDATE	LL	04/11/22
R	2023	FBC	UPDATE	OL	07/13/23

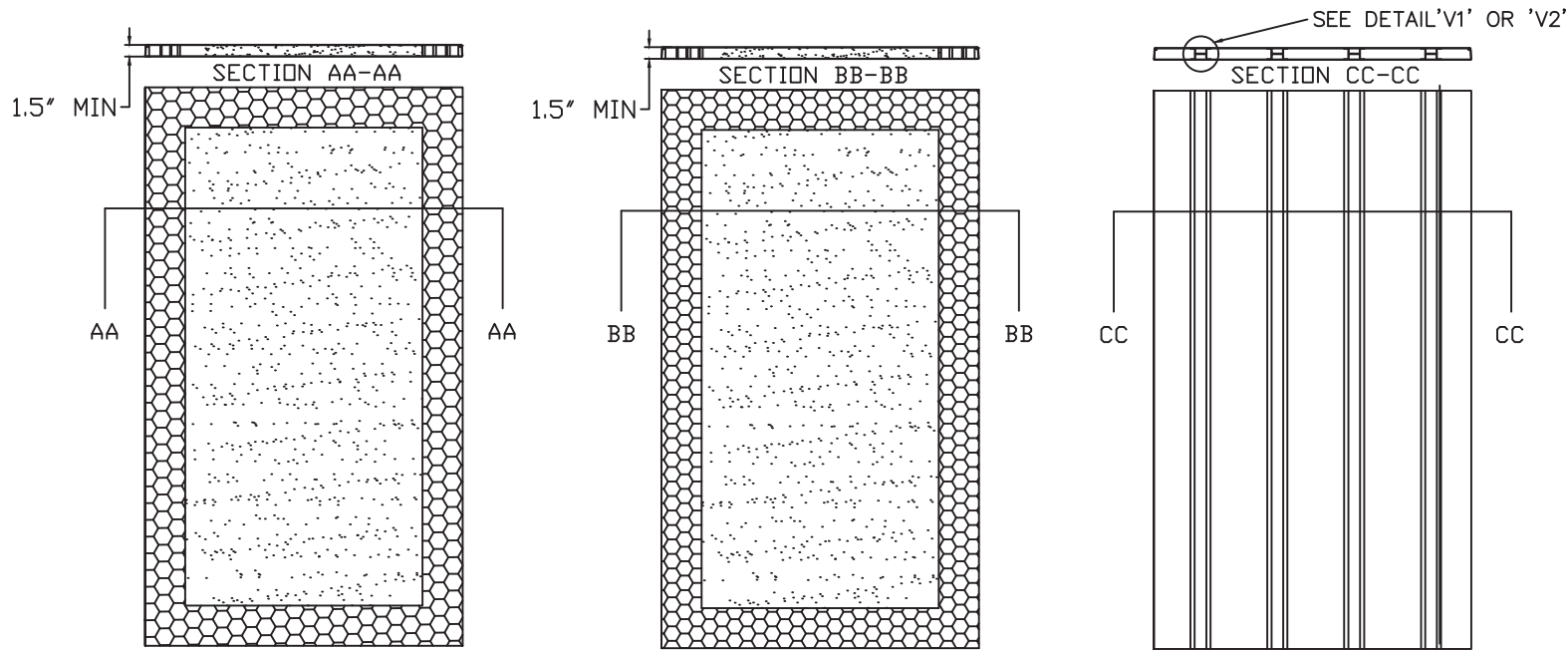


NOTES:
1. FOR MAXIMUM DOOR AND UNIT
OPENING SIZES SEE ELEVATION
SHEET 1 AND TABLE 1 ON SHEET 2.
2.SEE SHEET 4 & 15 FOR ANCHOR
INSTALLATION AND SHEETS 3, 4, 5,
6 & 15 FOR SILL INSTALLATION
DETAILS AND SHEETS 15 & 16 FOR
MULLION INSTALLATION.

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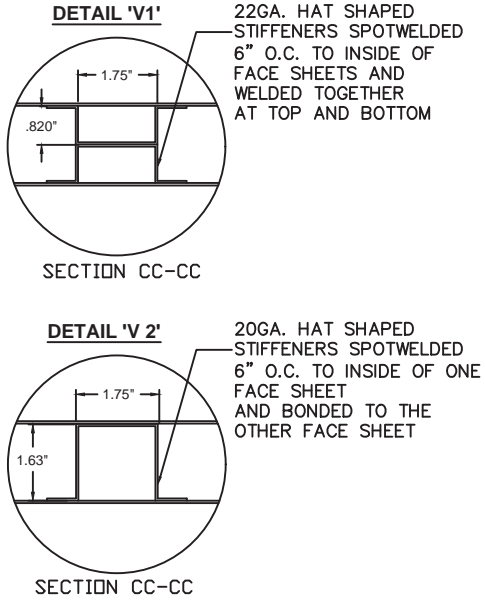


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN	DATE	VERTICAL CROSS SECTIONS FOR FLUSH DOUBLE DOORS.			
YMF	05/20/07				
CHECKED					
APPROVED		SIZE	FLAT	DWG NO.	REV
				IRFD07	R
ENG. APPVL		SCALE:	NTS	AUTOCAD	
JPD	10/12/07				SHEET 14 OF 17

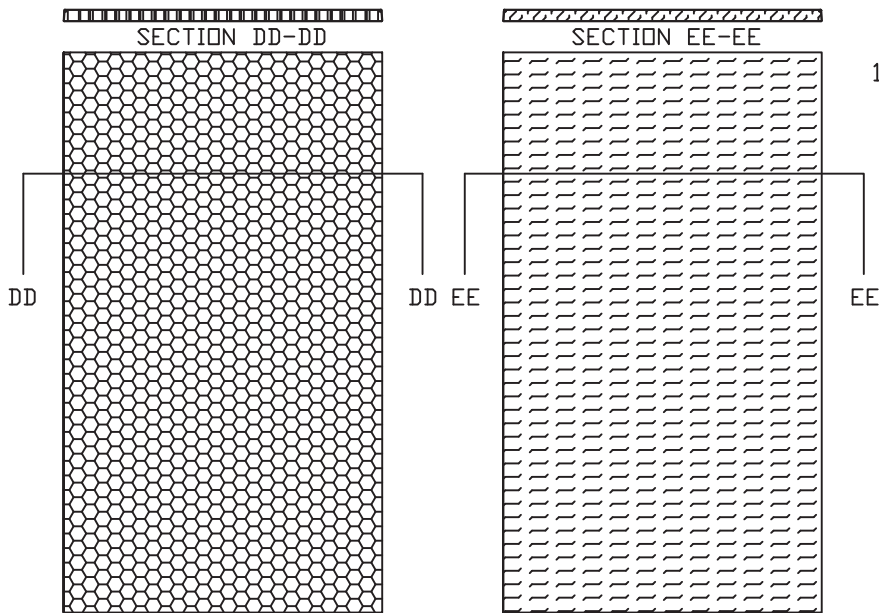


(A) EXPANDED POLYSTYRENE FOAM BY ATLAS EPS DENSITY: 1.0 LBS/FT³

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

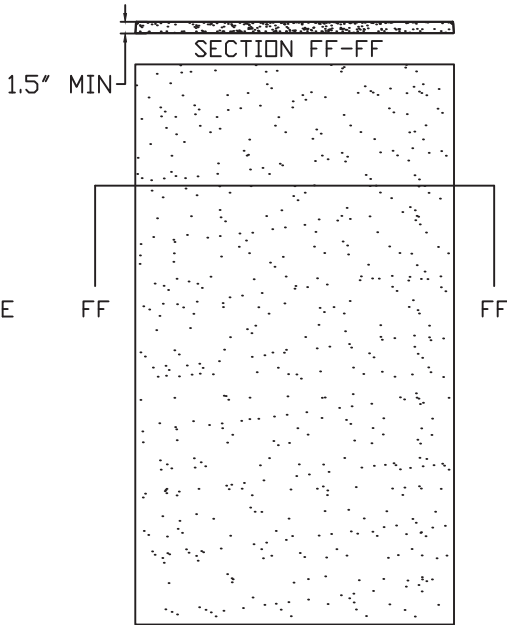


(C) STEEL STIFFENED HAT SHAPED SECTIONS



(D) HONEYCOMB KRAFT PAPER.

(E) TEMPERATURE RISE CORE MINERAL FIBER BOARD DENSITY: 17±1.5 LBS/FT³ PYROPHIBIC SYSTEMS LTD PYROPHOBIC PSL-P250C-60 OR MARSHFIELD DOOR SYSTEMS CALCIUM SILICATE MINERAL CORE

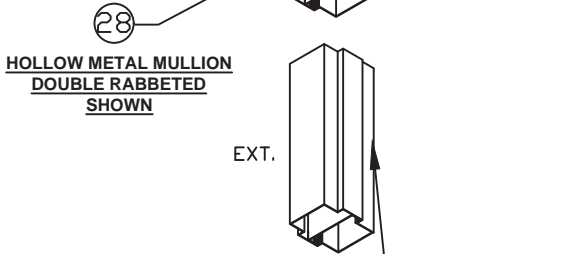


(F) EXPANDED POLYSTYRENE FOAM BY ATLAS EPS DENSITY: 1.0 LB/FT³ OR POLYISOCYANURATE (POLYURETHANE) BY ELLIOT CO. OF INDIANAPOLIS, IN. DENSITY: 2 LBS/FT³

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	
D	ENGINEER CHANGE	LA	03/10/17	
Q	ADDRESS UPDATE	SM	02/27/20	
Q	ANCHOR/STRIKE UPDATE	LL	04/11/22	
R	2023 FBC UPDATE	DL	07/13/23	

WELD AT JOINT CONTINUOUS 2" MIN. 4" MAX. MIG-WELD BEAD ALONG FACE BOTH SIDES 980# MIN LOAD CAPACITY

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



HOLLOW-METAL STEEL MULLION

APPLICABLE TO ELEVATION 10 ONLY (SEE SHT.1)

SEE TABLE BELOW FOR APPLICABLE ANCHOR TYPES AND REQUIREMENTS

USE 2 MULLION BASE ANCHORS FOR 4" FACE MULLIONS

USE 1 MULLION BASE ANCHOR FOR 2" FACE MULLIONS

MULLION BASE ANCHORS (2" FACE)

MULLION BASE ANCHORS (4" FACE)


MULLION BASE ANCHORS

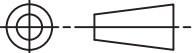
Anchor	Embedment	Edge Distance	Conc. Strength	Spacing	Quantity
Dewalt/Elco 5/16" Ultracon	2"	3.75"	3515 psi	3-3/8" Thru Base Anchor	2 per Base Anchor (2 for 2" Face 4 for 4" Face)
Dewalt/Powers 3/8" Power-Bolt	2"		3000 psi		
Dewalt/Powers 3/8" Lok Bolt AS	1-1/4"				
Hilti 3/8" Kwik Bolt TZ2	2"				
Dewalt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

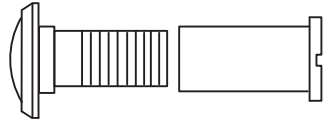


NOTES:

1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS

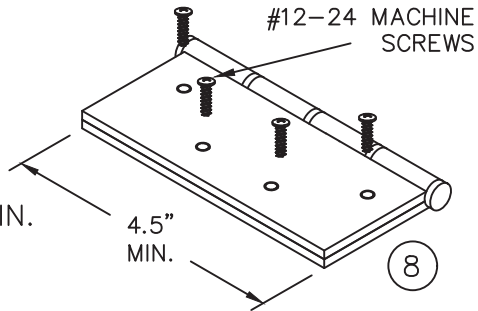
PRODUCT REVISED
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Expiration Date 05/05/2028
By 
Miami-Dade Product Control

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



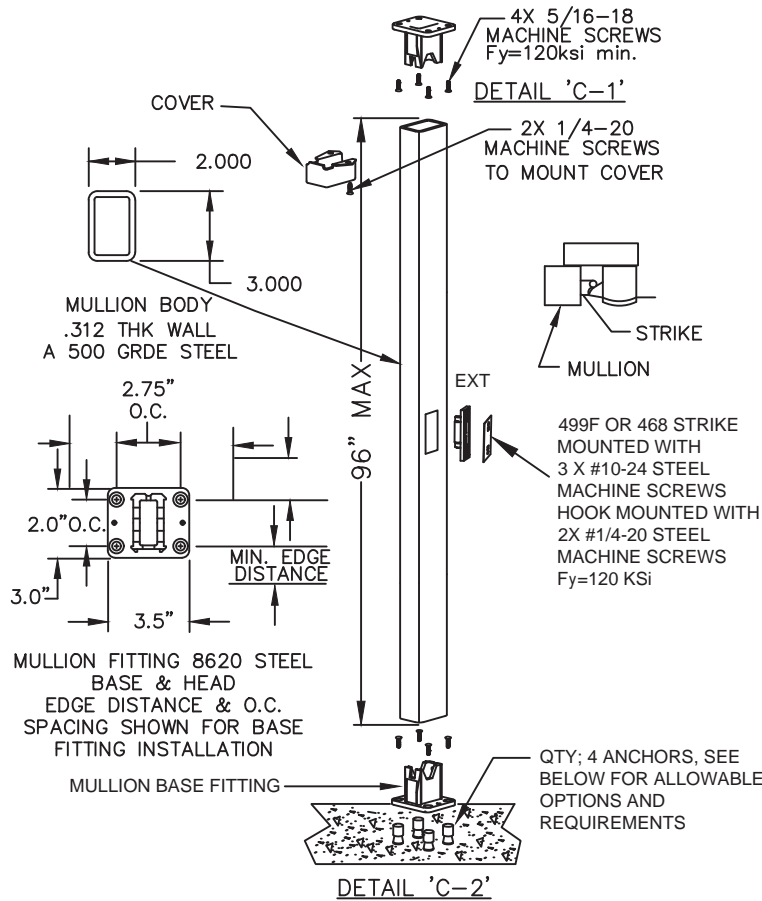
29 IVES 698/U698 DOOR VIEWER
APPLICATION LIMITED TO +/- 75
PSF DESIGN PRESSURE OR LESS

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

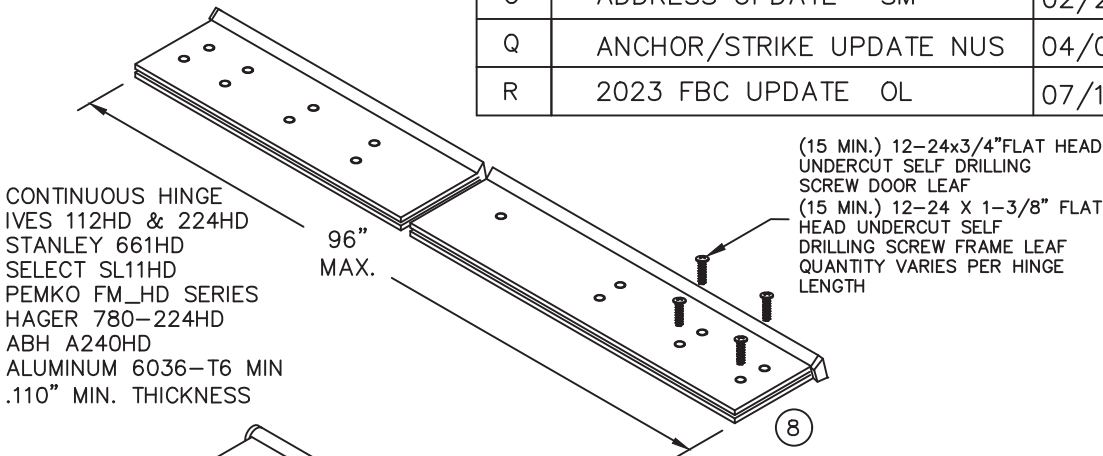


MULLION EXPANSION ANCHOR NOTES:
ALLOWABLE ANCHOR TYPES ARE (SEE ABOVE FOR SPACING REQUIREMENTS):
1/4" DEWALT/POWERS SMART DI+ EXPANSION ANCHORS WITH MIN 1" EMBEDMENT
AND MIN 2.8" EDGE DISTANCE IN 3000 PSI CONCRETE
OR
1/4" HILTI KB-TZ2 (CS OR SS) WITH MIN 1-1/2" EMBEDMENT WITH 3-1/4" EDGE
DISTANCE IN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

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REVISIONS

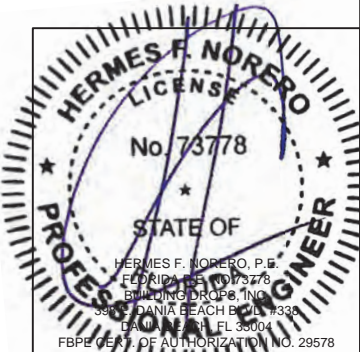
LTR	DESCRIPTION	DATE	APPROVED
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B	REVISED DWGS.	02/01/15	
C	REVISED DWGS.	05/05/15	
N	ENGINEER CHANGE LA	03/10/17	
O	ADDRESS UPDATE SM	02/27/20	
Q	ANCHOR/STRIKE UPDATE NUS	04/06/22	
R	2023 FBC UPDATE OL	07/13/23	

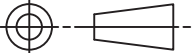


CONTINUOUS HINGE
IVES 112HD & 224HD
STANLEY 661HD
SELECT SL11HD
PEMKO FM_HD SERIES
HAGER 780-224HD
ABH A240HD
ALUMINUM 6036-T6 MIN
.110" MIN. THICKNESS

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

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



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

