

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 Glazed Outswing Commercial Steel Door w/wo Panic Exit-LMI

APPROVAL DOCUMENT: Drawing No **IRGD07 Rev N**, titled "Steelcraft H series Double outswing glazed", sheets 1 through 20 of 20, prepared by the manufacturer, dated 05-20-07 and last revised on 01/29/2021, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

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

1. See Design Pressures, Sizes, Hardware, DLO (Day light Opening) limitations in sheets **1, 2, 10 & 12**, See sheets **5, 6, 7 & 8** for door sizes VS threshold types, brand and water Rating limitations. Lower design Pressure shall control the entire assembly.
2. New Von Duprin **HH9954** mullion must meet min thk. & strength as listed in sheet **13**. See Hollow mullion in sheet **9**. Drop-in or expansion mullion anchor assembly must be from the anchor manufacturer (No substitution parts permitted).
3. See limitations of DLO (vision) for elevation configurations **3A (V-vision)** and **3B (N3, N4 & N5)** in sheet **10**.
4. The top strike plate **338** can be used w/wo roller option for Concealed Rod Panic devices (CVR) shown in sheet **13**.
5. 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 #20-0310.09** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5, E-6 and E-7, as well as approval document mentioned above.

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

*Ishaq I. Chanda*NOA No. 20-1005.19
Expiration Date: May 05, 2022
Approval Date: March 04, 2021
Page 1

Schlage Lock Company

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 **IRGD07 Rev K**, titled "Steelcraft H series Double outswing glazed", sheets 1 through 17 of 17, 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 #15-0930.04/#13-1217.15/#12-0305.15/ #10-0209.08/#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.

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 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.

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

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.19
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B. TESTS (continue)

5. Test report on (Submitted under file # **07-0829.03**)

- 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 #15-0930.04)

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 # 10-0209.09)

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. **14-0916.11** issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the "**Sentry Glass® Interlayer**", expiring on 07/4/17.
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.
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.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.19
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Schlage Lock Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (continue)

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: 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 03, 2010, prepared, signed and sealed by Gordon Thomas, P.E.
7. Laboratory Compliance statement issued as part of the 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 #15-0930.04**, 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 **#13-1217.15**, **#10-0209.08**, **07-0829.05**, **03-0908.03**, **04-0303.03**, **05-0325.02**, **08-0508.07** and **08-0715.03**
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 04/25/18, signed and sealed by Hermes F. Norero, P.E.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.19
Expiration Date: May 05, 2023
Approval Date: March 04, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

1. Additional Test report on
 - 1) Uniform Static Air Pressure Test, Loading per TAS 202-94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 4) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of double flush outswing steel doors, marked by National Certified Testing Lab, Test Reports No. **NCTL-210- 3580-2**, dated March 25, 2009, signed and sealed by Gerry Ferrara, P. E.

Along with manufacturer's parts and section drawings of glazed outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). **NCTL-210-3232-1** dated 02/24/06 and **NCTL-210-3357-1** dated Dec 28, 2006, signed and sealed by Gerard J. Ferrara, P.E.

Along with manufacturer's parts and section drawings of glazed outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). **NCTL-210-3232-1** dated 02/24/06 and **NCTL-210-3357-1** dated Dec 28, 2006, signed and sealed by Gerard J. Ferrara, P.E.

2. Additional verification test **NCTL-210-3549-1** for VonDuprin HH9954 mullion per TAS 202, 201 & 203, issued by National Certified Testing, signed & sealed by Gerry Ferrara, P. E.
3. Additional Reference test report No. CTLA-1107W for strap anchor qualification.

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. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** (Former E.I. DuPont DE Nemours & Co., Inc. for the "**Sentry Glass ® (Clear and White) Glass Interlayers**", expiring on 07/04/23.
2. Notice of Acceptance No. **13-0717.01** issued to **Sabic Innovative Plastics** for their "**Lexan® Polycarbonate Sheet Products**", expiring on July 17, 2018.

F. STATEMENTS:

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.

G. OTHER

1. This NOA **revises & renews NOA #17-0320.07**, 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. Consolidation Test proposal **# 06-2468**, dated 04/27/07 approved by BCCO.
3. Technical brochures of butt Hinges, continuous Hinges, Schlage & Falcon Mortise Locks, Supplied by Schlage Company (former Ingersoll-Rand).
4. Allegion's (Schlage/ Former Ingersoll-Rand) future updated HH9954 Von-Duprin Mull Catalog

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.19
Expiration Date: May 05, 2022
Approval Date: March 04, 2021

Schlage Lock Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. New Evidence submitted

A. DRAWINGS

1. Drawing No **IRGD07 Rev L**, titled “Steelcraft H series Double outswing glazed”, sheets 1 through 20 of 20, 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

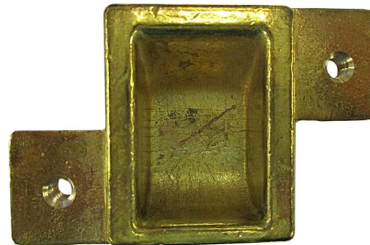
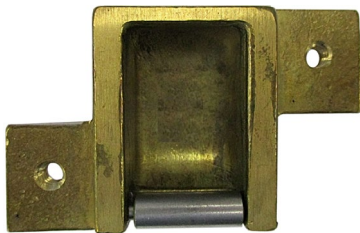
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F. STATEMENTS (submitted under file # 17-0426.03)

1. Statement letter of conformance to FBC 2017(6th edition) dated 02-08-2018, prepared by Building Drops, signed & sealed by Hermes F. Norero, P.E.
2. 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 # 17-0426.03**, expiring 05/05/23.
2. Optional CVR top strikes #338 w/wo Roller (see below)



Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.19
Expiration Date: May 05, 2022
Approval Date: March 04, 2021

Schlage Lock Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No **IRGD07 Rev M**, titled “Steelcraft H series Double outswing glazed”, sheets 1 through 20 of 20, 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 Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** (Former E.I. DuPont DE Nemours & Co., Inc. for the “**Sentry Glass ® (Clear and White) Glass Interlayers**”, expiring on 07/04/23.

F. STATEMENTS (submitted under file # 19-1016.04)

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

G. OTHER

1. This NOA revises NOA # **20-0310.09**, expiring 05/05/23.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-1005.19
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Schlage Lock Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. New Evidence submitted

A. DRAWINGS

1. Drawing No **IRGD07 Rev N**, titled “Steelcraft H series Double outswing glazed”, sheets 1 through 20 of 20, 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 “**Sentry Glass ® (Clear and White) Glass Interlayers**”, expiring on 07/04/23.
2. Notice of Acceptance No. **18-0207.07** issued to **Sabic Innovative Plastics** for their “**Lexan® Polycarbonate Sheet Products**”.

F. STATEMENTS

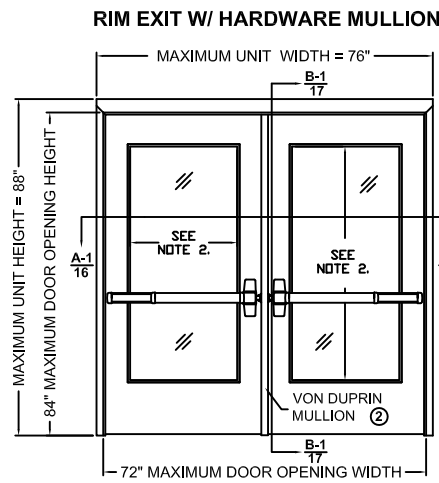
1. Statement letter of conformance to FBC 2020(7th edition) dated 01-29-2021, prepared by Building Drops, signed & sealed by Hermes F. Norero, P.E.
2. Statement letter via e-mail dated 02/18/21, issued by Allegion agreeing one-year conditional approval.

G. OTHER

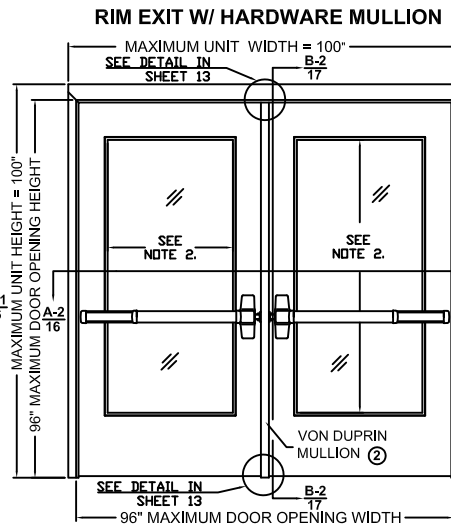
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Ishaq I. Chanda

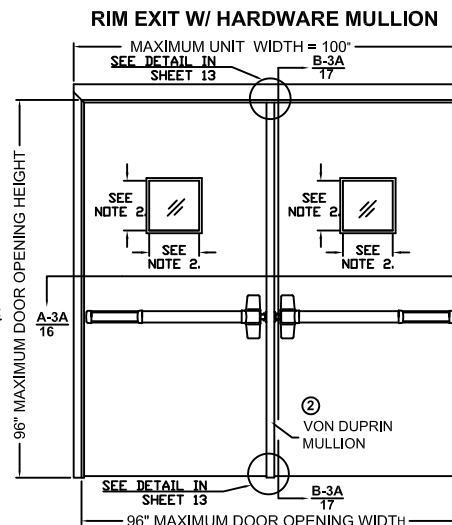
Ishaq I. Chanda, P.E.
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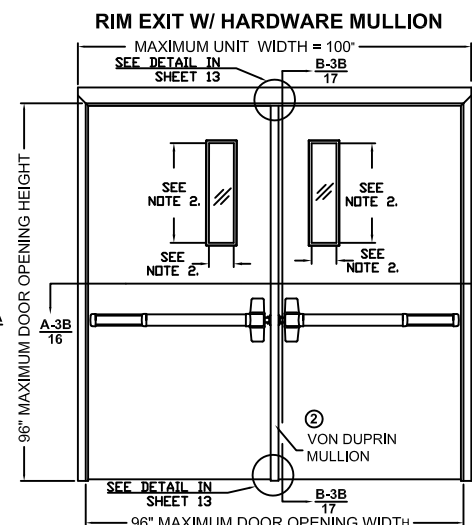
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|---------------------|--|---|
| CONFIG. 1 | DESIGN PRESSURE RATING, PSF | |
| | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| | ±60 SEE TABLE 3.1 ON SHT. 5 | ±60 SEE TABLES 4.1 ON SHT 7 & 4.2 ON SHT. 8 |



| | | |
|---------------------|--|---|
| CONFIG. 2 | DESIGN PRESSURE RATING, PSF | |
| | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| | ±50 SEE TABLE 3.1 ON SHT. 5 | ±50 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 <u>NOT</u> NEEDED |
| | ±75 SEE TABLE 3.1 ON SHT. 5 | ±90 SEE TABLES 4.1 ON SHT 7 & 4.2 ON SHT. 8 |



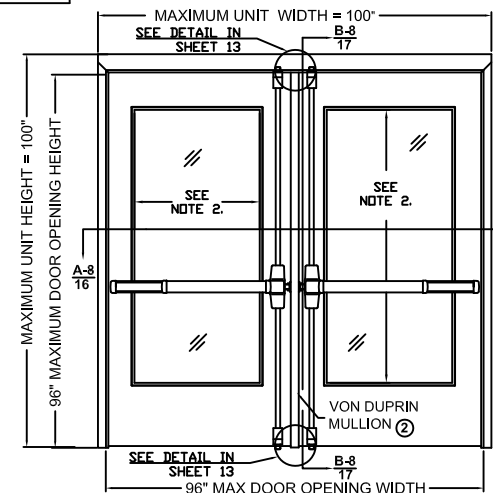
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| 3B | DESIGN PRESSURE RATING, PSF | |
| | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| | ±75 SEE TABLE 3.1 ON SHT. 5 | ±90 SEE TABLES 4.1 ON SHT 7 & 4.2 ON SHT. 8 |

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

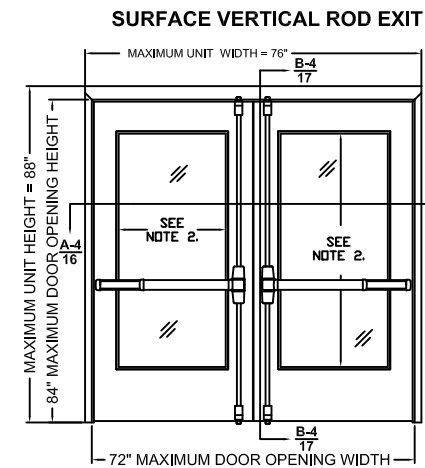
1 PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.19

Expiration Date 05/05/2022

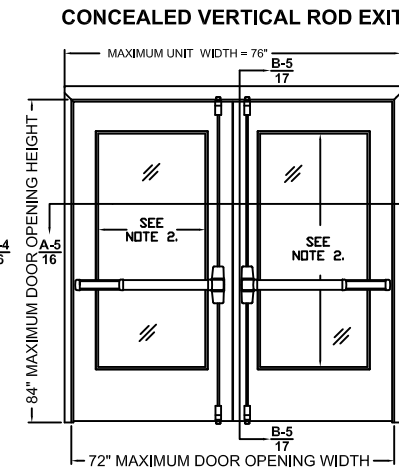
By Ishaq I. Chande
Miami-Dade Product Control



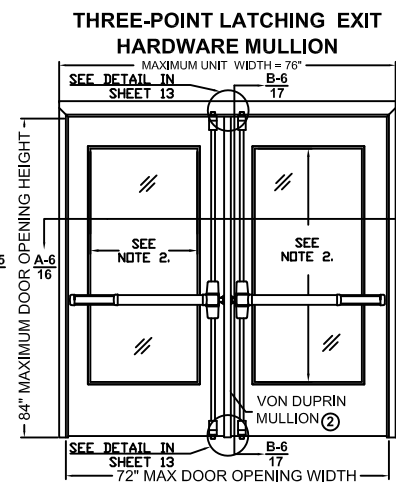
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|---------------------|--|---|
| CONFIG. 8 | DESIGN PRESSURE RATING, PSF | |
| | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| | ±50 | ±50 |
| | SEE TABLE 3.1 ON SHT. 5 | SEE TABLES 4.1 ON SHT 7 & 4.2 ON SHT. 8 |



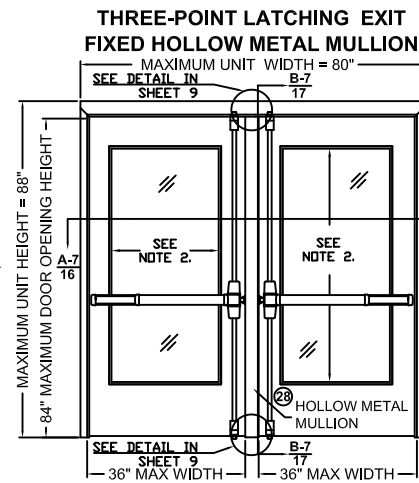
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| CONFIG. 4 | DESIGN PRESSURE RATING, PSF WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| | ±60 SEE TABLE 3.1 ON SHT. 5 | ±60 SEE TABLES 4.1 ON SHT 7 & 4.2 ON SHT. |



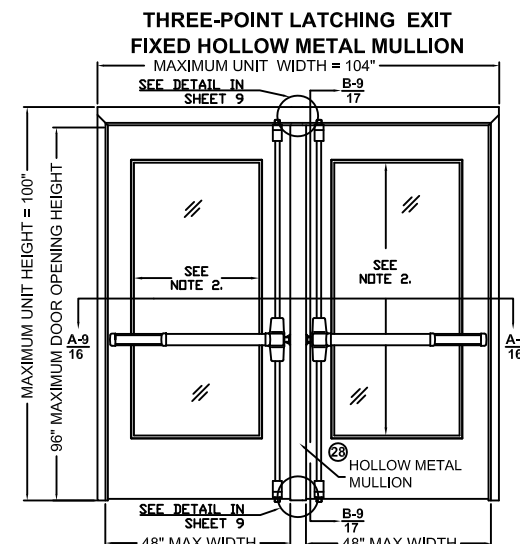
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|---------------------|--|---|
| CONFIG. 5 | DESIGN PRESSURE RATING, PSF | |
| | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| | ±60 | ±60 |
| | SEE TABLE 3.1 ON SHT. 5 | SEE TABLES 4.1 ON SHT 7 & 4.2 ON SHT. 8 |



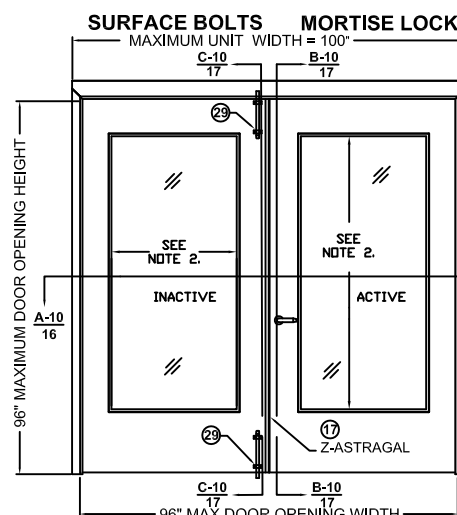
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|--------------|--|---|
| CONFIG. 6 | DESIGN PRESSURE RATING, PSF | |
| | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| | ±60 | ±60 |
| | SEE TABLE 3.1 ON SHT. 5 | SEE TABLES 4.1 ON SHT 7 & 4.2 ON SHT. 8 |



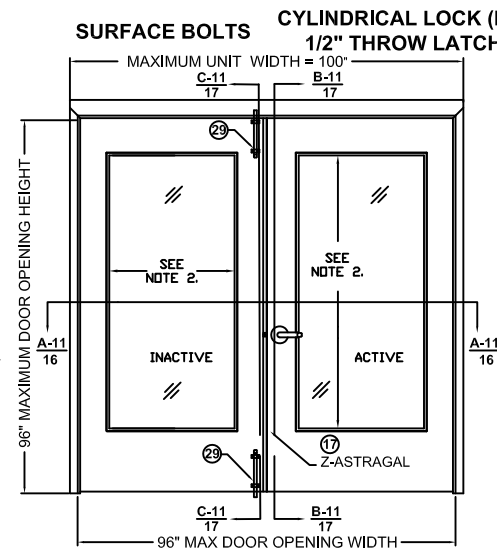
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|-----------|--|---|
| CONFIG. 7 | DESIGN PRESSURE RATING, PSF | |
| | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| | ±60 SEE TABLES 3.2 & 3.3 ON SHT. 6 | ±60 SEE TABLES 4.1 ON SHT 7 & 4.2 ON SHT. |



| CONFIG. | DESIGN PRESSURE RATING, PSF | |
|---------|---|---|
| | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| 9 | ±50 SEE TABLES 3.3 & 3.3 ON SHT. 6 | ±50 SEE TABLES 4.1 ON SHT 7 & 4.2 ON SHT. 8 |



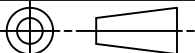
| | | |
|-------|--|---|
| CONF. | 96" MAX DOOR OPENING WIDTH | |
| | MAXIMUM PRESSURE RATING, PSF | |
| | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| 10 | ±50 SEE TABLE 3.1 ON SHT. 5 | ±50 SEE TABLES 4.1 ON SHT 7 & 4.2 ON SHT. 8 |



| | | | |
|----|---------|--|---|
| 11 | CONFIG. | DESIGN PRESSURE RATING, PSF | |
| | | WHERE WATER INFILTRATION REQUIREMENT IS NEEDED | WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED |
| | | ±50 SEE TABLE 3.1 ON SHT. 5 | ±50 SEE TABLES 4.1 ON SHT 7 & 4.2 ON SHT. 8 |

- NOTES:**

1. INTERIOR VIEWS ARE SHOWN FOR ALL ELEVATIONS OF OUTSWING DOORS
2. SEE TABLE 1 ON SHEET 2 FOR GLAZING SIZE, HARDWARE APPLICATIONS & LIMITATIONS
3. SEE SHEETS 3 & 19 FOR HINGE REQUIREMENTS
4. SEE SHEETS 4 & 20 FOR ANCHORING TYPES AND LIMITATIONS AND SHEETS 9 & 13 FOR MULLION INSTALLATION
5. SEE SHEETS 3 - 8 AND 20 FOR SILL INSTALLATION INFORMATION
6. SEE SHEET 5 TABLE 3.1 & SHEET 6 TABLES 3.2 & 3.3 FOR WATER RATED THRESHOLDS AND WEATHERSTRIPPING INSTALLATION AND LIMITATIONS
7. SEE SHEET 7 TABLE 4.1 & SHEET 8 TABLE 4.2 FOR NON WATER RATED THRESHOLDS AND WEATHERSTRIPPING INSTALLATION AND LIMITATIONS
8. SEE SHEETS 1, 2, & 3 FOR MAXIMUM OVERALL DOOR UNIT SIZES AND SHEET 9 FOR MAX DOOR OPENINGS
8. SEE SHEET 11 FOR GLAZING OPTIONS AND DETAILS
9. DLO - DAYLIGHT OPENING SIZE, SAME AS EXPOSED GLASS, SEE SHEETS 1, 2 AND 10 FOR SIZES AND LIMITATIONS
11. ALL CONFIGURATIONS MEET LARGE AND SMALL MISSILE IMPACT REQUIREMENTS -LARGE MISSILE IMPACT AT (50 F/S)

| | | | | | |
|---|------------------|--|------|---|---------------|
| 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 OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES | | | |
| DRAWN YMF | DATE 05/20/07 | GLASS OUTSWING, DOUBLE DOORS AND HARDWARE CONFIGURATIONS. | | | |
| CHECKED | | | | | |
| APPROVED | | SIZE | FLAT | DWG NO. | REV |
| | | | | IRGD07 | N |
| ENG. APPVL JPD | 11/15/07 | SCALE: | NTS | AUTOCAD | SHEET 1 OF 20 |

| Door Configuration | Maximum Design Pressure, PSF | | Maximum Door Opening Size, in. | | Maximum Exposed Glazing Size (DLO)*, in. | | Locking Hardware Description | | | | Comments |
|--------------------|------------------------------|-------------------|--------------------------------|--------|--|----------------|------------------------------------|------------------------------------|---|------------|---|
| | Positive | Negative | Width | Height | Width | Height | Hardware Family | Model/Series | Strike Models | Brand | |
| 1 | 60 | 60 | 72 | 84 | 24 | 64 | Rim Exit Device | 98, 99, 98-F, 99-F | 499F | Von Duprin | for pairs use HH9954 mullion by Von Duprin See Sheet 13 |
| | | | | | | | | 88-F | 468 | Von Duprin | |
| 2 | 50 | 50 | 96 | 96 | 34.25 | 74.5 | Rim Exit Device | 98, 99, 98-F, 99-F | 499F | Von Duprin | for pairs use HH9954 mullion by Von Duprin See Sheet 13 |
| | | | | | | | | 88-F | 468 | Von Duprin | |
| 3A | 90 SEE NOTE 2. | 90 SEE NOTE 2. | 96 | 96 | 12 | 12 | Rim Exit Device | XP98, XP99, XP98-F, XP99-F | 909/954 | Von Duprin | for pairs use HH9954 mullion by Von Duprin See Sheet 13 |
| 3B | | | | | 3 4 5 | 33 25 20 | | | | | |
| 4 | 60 | 60 | 72 | 84 | 24 | 64 | 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 | |
| 5 | 60 | 60 | 72 | 84 | 24 | 64 | Concealed Vertical Rod Exit Device | 9847-F, 9947-F HH9847, HH9947 | 338 Top, 304L Bottom | Von Duprin | HH98/9948 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 | |
| 6 | 60 | 60 | 72 | 84 | 24 | 64 | 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 See Sheet 13 |
| 7 | 60 | 60 | 36 | 84 | 24 | 64 | Three-Point Latching Device | 9857, 9957, 9857-F, 9957-F | 299F/499F Top 299F/499F Middle, 304L Bottom | Von Duprin | NOTE 3 |
| 8 | 50 | 50 | 96 | 96 | 34.25 | 74.5 | 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 See Sheet 13 |
| 9 | 50 | 50 | 48 | 96 | 34.25 | 74.5 | Three-Point Latching Device | 9857, 9957, 9857-F, 9957-F | 299F/499F Top 299F/499F Middle, 304L Bottom | Von Duprin | NOTE 3 |
| 10 | 50 | 50 | 96 | 96 | 34.25 | 74.5 | Mortise Lock | L/LV9000/AD/CO MS | 10-072 | Schlage | Function w/o deadbolt, 3/4" min. throw latch |
| | | | | | | | | L/LV9400/AD/CO MD | 10-072 | Schlage | Function with deadbolt, 3/4" min. throw latch & 1" min. throw bolt |
| | | | | | | | | MA | ANSI | Falcon | function with or without deadbolt, 3/4" min. throw latch & 1" min. throw bolt (if applicable) |
| 11 | 50 | 50 | 96 | 96 | 34.25 | 74.5 | Cylindrical Lock | D/ND/AD/CO CYL | 10-025 | Schlage | 1/2" throw latch |
| | | | | | | | | T | ANSI | Falcon | 1/2" throw latch |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

TABLE 1.

NOTES:
1. SEE SHEETS 12, 13, 14 & 15 FOR LOCKING HARDWARE. FOR DOOR CONFIGURATIONS 10 & 11 INACTIVE LEAF REQUIRES IVES SB360 SURFACE BOLT TOP AND BOTTOM.
2. DOOR CONFIGURATIONS 3A & 3B ARE RATED FOR MAXIMUM DESIGN PRESSURE UP TO ±75 PSF WITH ZERO INT'L THRESHOLD 12A WHEN WATER INFILTRATION REQUIREMENT IS NEEDED. SEE SHEET 5
2.1 DOOR CONFIGURATIONS 3A & 3B ARE RATED FOR MAXIMUM DESIGN PRESSURE UP TO ±75 PSF WITH ZERO INT'L THRESHOLD OPTIONS (12A, 12C & 12D) WHEN WATER INFILTRATION REQUIREMENT IS NOT NEEDED. SEE SHEET 7
2.2 DOOR CONFIGURATIONS 3A & 3B ARE RATED FOR MAXIMUM DESIGN PRESSURE UP TO ±90 PSF WITH NGP THRESHOLD 12B WHEN WATER INFILTRATION IS NOT NEEDED. SEE SHEET 8
3. DOOR CONFIGURATIONS 7 & 9 ARE FOR USE ON TWO DOORS WITH FIXED HOLLOW METAL MULLION.
4. * DLO - DAYLIGHT OPENING, SAME AS EXPOSED GLASS OR FINISHED OPENING. SEE SHEETS 10 & 11 FOR GLAZING TYPES, DETAILS AND LIMITATIONS

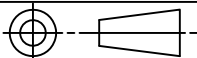
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.19

Expiration Date05/05/2022

By Ishaq I. Chande
Miami-Dade Product Control

| 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 | 12/14/07 |
| D | REVISED | DWG | YMF | 10/22/08 |
| E | REVISED | PER_MDBCCD | YMF | 02/05/09 |
| F | REVISED | PER_MFR | YMF | 05/18/09 |
| G | REVISED | PER_MDBCCD | 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 |
| L | ENGINEER | CHANGE | LA | 03/14/17 |
| M | ADDRESS | CHANGE | JPD | 01/10/20 |
| N | 2020 | FBC UPDATE | NUS | 07/07/20 |



| | | | | | | |
|---|------------------|--|------|---------|---|----------|
| BEND RADIUS | | SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET. CARMEL, IN 46032 | | | MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242 | |
|  | | | | | | |
| THIRD ANGLE PROJECTION | | TITLE: STEELCRAFT H SERIES DOUBLE 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 DOUBLE GLASS DOORS. | | | | |
| CHECKED | | | | | | |
| APPROVED | | SIZE | FLAT | DWG NO. | IRGD07 | REV N |
| ENG. APPVL JPD | 11/15/07 | SCALE: | NTS | AUTOCAD | SHEET | 2 OF 20 |

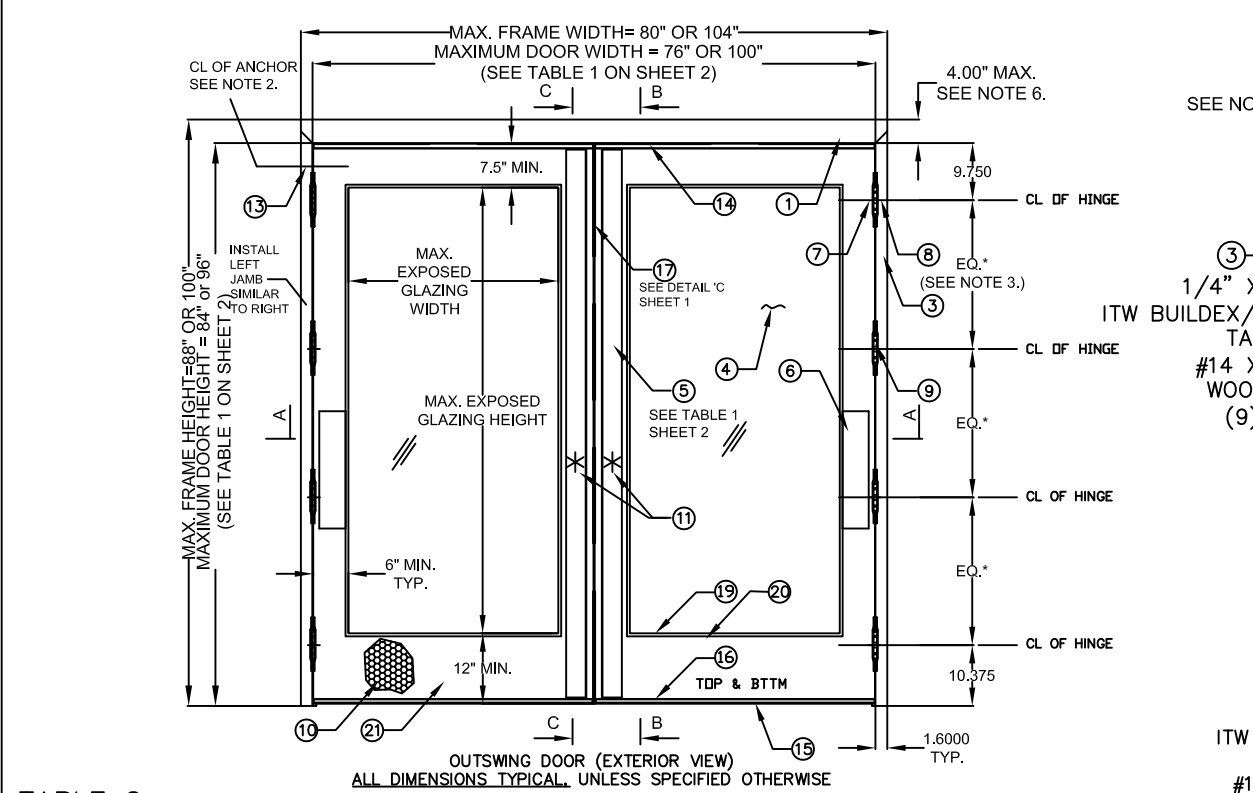
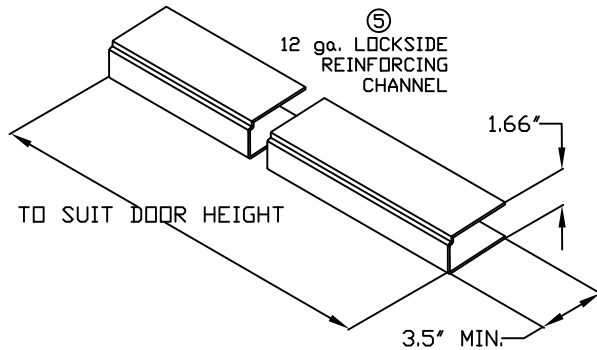
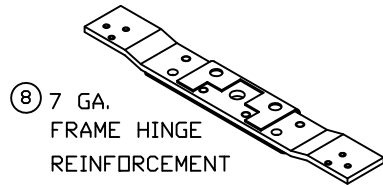
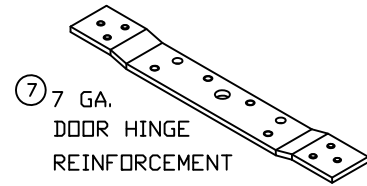
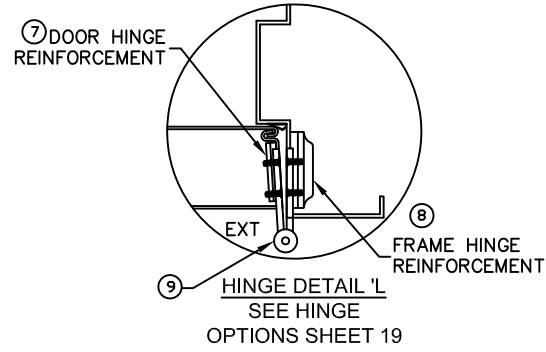
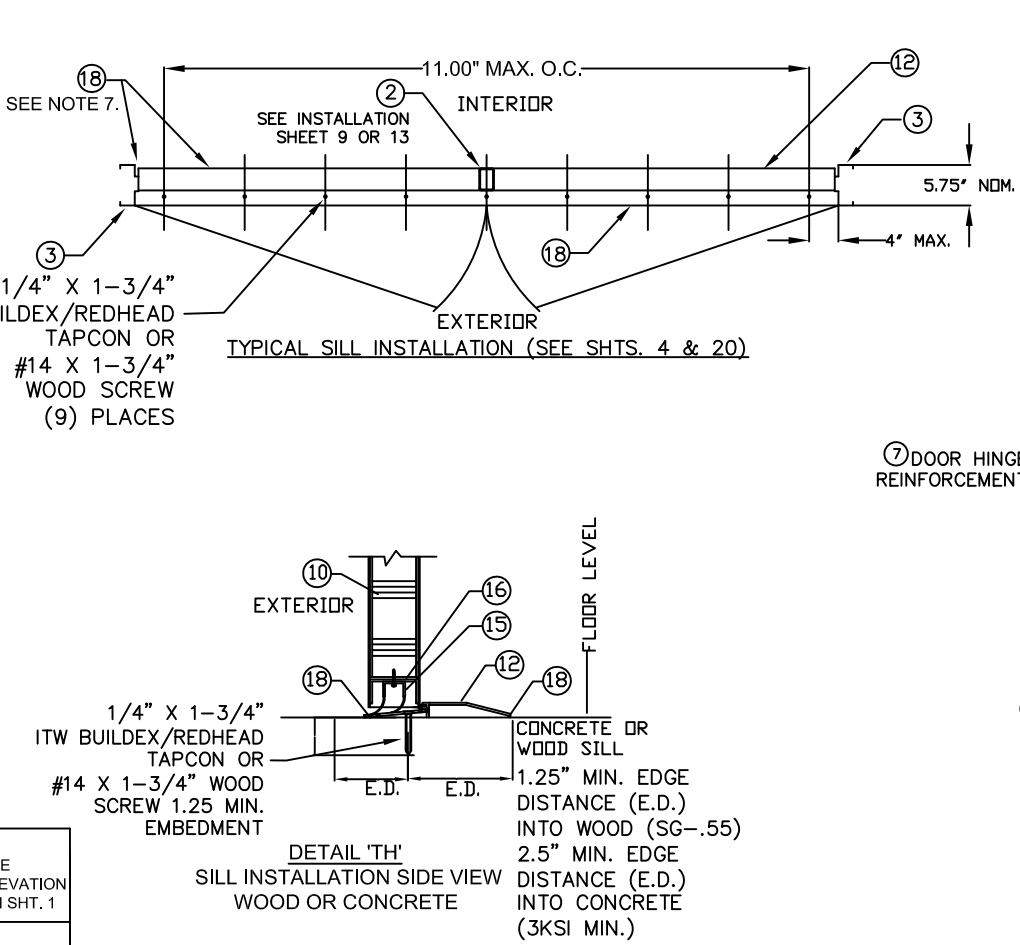
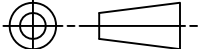


TABLE 2

| ITEM | QUANTITY | DESCRIPTION | MATERIAL | SIZE | SEE ELEVATION ON SHT. 1 |
|------|----------|--|-------------------------|--|-------------------------|
| 1 | 1 | HEAD SEE SHT 9 ASTM A366 | .053" MIN. STL | MAX. 100" | |
| 2 | 1 | VON DUPRIN HH9954 HDWE MULLION USED W/RIM HDWE | .312" A500 STL | MAX. 96" HEIGHT | |
| 3 | 2 | HINGE JAMB SEE SHT 9 ASTM A366 | .053" MIN. STL | MAX. 100" HEIGHT | |
| 4 | 2 | LEXAN BY SABIC INNOVATIVE PLASTICS | .25" DR .50" | | |
| 5 | 2 | LAMINATED GLASS WITH KURARAY SENTRYGLAS INTERLAYER | .562" TYP. | 35.406' X 75.656' MAX. | |
| 6 | 2 | SUPERLITE II-XL BY SAFTI W/ KURARAY SENTRYGLAS INTERLAYER | 1.06' TYP. | | |
| 7 | NOTE 2. | LOCK SIDE REINFORCEMENT CHANNEL | .093" MIN. STL | 3.5 X 93.44 MAX | |
| 8 | NOTE 2. | HINGE SIDE PANIC REINFORCEMENT | .067" MIN. STL | MAX. 20" | |
| 9 | NOTE 2. | HINGE REINFORCEMENT DOOR ASTM A621 | .167" MIN. STL. | 1.23' X 9.19' MIN. | |
| 10 | NOTE 2. | HINGE REINFORCEMENT FRAME ASTM A621 | .167" MIN. STL. | 1.5' X 9.19' MIN. | |
| 11 | NOTE 2. | 4.5' X 4.5' BUTT HINGES (SEE SHT. 19) | .134 MIN. | (8) #12-24 MS PER HINGE | |
| 12 | NOTE 2. | OPTIONAL CONTINUOUS HINGE (SEE SHT. 19) | .075" MIN. STL/.12 ALUM | MAX. 95" | |
| 13 | NOTE 1. | CORE MATERIAL (SHEET 16): D) HONEYCOMB C) STEEL STIFFENED A & F) POLYSTYRENE B & F) POLYURETHANE/POLYISOCYANURATE E) MINERAL BOARD TEMPERATURE RISE CORE | | | |
| 14 | NOTE 1. | LOCKING HARDWARE - SEE SHEET 2 TABLE 1. | | | |
| 15 | NOTE 1. | THRESHOLD SILL W/BUMPER GASKET (SEE SHEETS 5, 6, 7 & 8) | | | |
| 16 | NOTE 1. | 12A) 566 BY ZERO SHTS 5&6 WATER RATED 7&8 NON WATER | .125" ALUM. 6063 T5 | 5.0"x0.5"x96"MAX. | |
| 17 | NOTE 1. | 12B) 950A BY NGP SHT 6 WATER RATED SHT 8 NON WATER | .078" ALUM. 6063 T5 | | |
| 18 | NOTE 1. | 12C 65 BY ZERO SEE SHEETS 7&8 NON WATER RATED | .125" ALUM. 6063 T5 | | |
| 19 | NOTE 1. | 12D) 568 BY ZERO SEE SHEETS 7&8 NON WATER RATED | .125" ALUM. 6063 T5 | 6.0"x0.5"x96"MAX. | |
| 20 | NOTE 1. | JAMB ANCHOR ASTM A924 | SEE SHEETS 4 & 20 | | |
| 21 | NOTE 1. | 14A) PSD74 DOOR SEAL STEELCRAFT | TPE | | |
| 22 | NOTE 1. | 14B)188S, 14C)117S, 14D)8144S, 14E)8150S DOOR SEAL ZERO | SILICONE | VARIES | |
| 23 | NOTE 1. | FAS-SEAL DOOR SWEEP | TPE | MAX. 48" | |
| 24 | NOTE 1. | END CHANNEL ASTM A924 (14 GA - INVERTED) | | .69' X 1.66' X 48" MAX. | |
| 25 | NOTE 1. | 17A) 328 SPLIT ASTRAGAL BY ZERO INT'L | SEE SHEETS 5, 6, 7 & 8 | | |
| 26 | NOTE 1. | 17B) 137 SPLIT ASTRAGAL BY NGP | SEE SHEETS 5, 6, 7 & 8 | | |
| 27 | NOTE 1. | CAULK BUTYL RUBBER OR 100% SILICONE | SEE SHEETS 5, 6, 7 & 8 | | |
| 28 | NOTE 1. | GLAZING HOLDING TRIM SEE SHEET 11 | SEE SHEET 11 | | |
| 29 | NOTE 1. | #1) DESIGNER TRIM | | 34.25' X 74.5' EXPOSED GLASS MAX. SEE SHEETS 10 & 11 FOR DETAILS & LIMITATIONS | |
| 30 | NOTE 1. | #2) STEEL OVERLAPPING TRIM | .035" MIN. STL | | |
| 31 | NOTE 1. | #3) STEEL OVERLAPPING TRIM | | | |
| 32 | NOTE 1. | #4) HIGH SECURITY VISION FRAME SG-10 BY ANEMOSTAT | .093"(12GA) MIN. STL. | | |
| 33 | NOTE 10. | CUTOUT REINFORCEMENT CHANNEL (18 GA) | .047" MIN. STL | 0.5' X 1.66' X 35.5' 75.5' MAX. | |
| 34 | NOTE 10. | DOOR SLAB (16 OR 14 GA) | SEE SHEET 9 | 3' X 7' DR 4' X 8' MAX. | |
| 35 | VARIES | 22A) 8150S DOOR SEAL BY ZERO INT'L SEE SHTS 5, 7 & 8 | SILICONE | VARIES | |
| 36 | VARIES | 22B) 188S DOOR SEAL BY ZERO INT'L SEE SHTS 6, 7, & 8 | | | |
| 37 | 2 | 202N DOOR SEAL BY NGP SEE SHEET 6 | | | |
| 38 | 2 | 24A) 139 DOOR SWEEP BY ZERO INT'L SEE SHTS 5 & 6 | TPE | MAX. 84' DR 96' | |
| 39 | 2 | 24B) 328 DOOR SWEEP BY ZERO INT'L SEE SHTS 5, 6, & 7 | | | |
| 40 | 2 | 24C) 200N DOOR SWEEP BY NGP SEE SHEET 6 | TPE | MAX. 36' DR 48' | |
| 41 | 2 | 25A) 475 ADJUSTABLE SEAL BY ZERO INT'L SEE SHEET 6 | | | |
| 42 | 2 | 25B) 170N ADJUSTABLE SEAL BY NGP SEE SHEET 6 | TPE | MAX. 84' DR 96' | |
| 43 | 1 | 26A) 142 RAIN DRIP BY ZERO INT'L | SEE SHTS 5 & 6 | MAX. 104" | |
| 44 | 2 | 26B) 11 RAIN DRIP BY ZERO INT'L | SEE SHTS 5 & 6 | MAX. 36' DR 48' | |
| 45 | 2 | 26C) 16A RAIN DRIP BY NGP | SEE SHEET 6 | MAX. 36' DR 48' | |
| 46 | 2 | TOP CAP GALV. A60 ASTM A924 | .020" MIN. STL | 0.5' X 1.76' X 48" MAX. | |
| 47 | 1 | HOLLOW METAL MULLION | SEE SHEET 9 | 84' DR 96' MAX. | |
| 48 | 2 | IVES 360 12" SURFACE BOLT - TOP & BOTTOM INACTIVE LEAF CONFIG. 10 & 11 | | | |



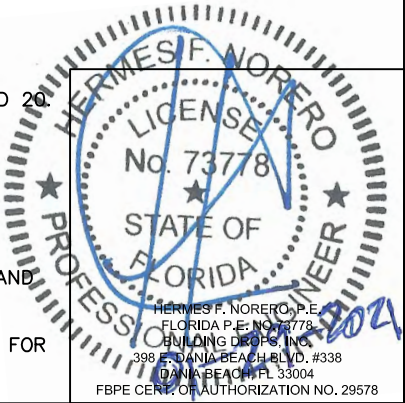
- NOTES:
- ANCHOR REQUIREMENTS: SEE SHEETS 4 & 20 FOR APPROVED ANCHORS AND INSTALLATION
 - HINGE REQUIREMENTS: 4.5" STD WT. MIN.
FOR DOOR OPENING UP TO 90" HIGH - MIN (3) HINGES
FOR DOOR OPENING OVER 90" - 96" HIGH - MIN (4) HINGES
STD LOCATIONS: 9.75" FROM RABBIT IN HEAD TO CL OF TOP HINGE
10.38" FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED IN BETWEEN. HINGE LOCATIONS MAY VARY, MAX SPACING NOT TO EXCEED 35.5" FOR THREE HINGES
SEE SHEET 19 FOR APPROVED CONTINUOUS HINGE MODELS
 - SEE SHEETS 1, 2 & 9 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
 - HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
 - 4" FACE HEAD IS AVAILABLE FOR FRAMES SEE SHEETS 4 AND 20.
 - APPLY CAULK TO FULL LENGTH OF SILL AND ENTIRE PERIMETER OF FRAME SEE SHEETS 4-8 AND 20.
 - WEATERSTRIPPING
-WHEN WATER INFILTRATION IS REQUIRED INSTALL PER SHEETS 5 AND 6 AS APPLICABLE
-WHEN WATER INFILTRATION IS NOT REQUIRED INSTALL PER SHEETS 7 AND 8 AS APPLICABLE
 - SEE SHEET 16 FOR SECTION A-A, SEE SHEET 17 FOR SECTIONS B-B AND C-C.
 - INSTALL REINFORCEMENT CHANNELS (ITEM #20) AROUND EACH LITE-CUTOUT.
 - ELECTRICAL INSTALLATION AND FIRE RATINGS ARE UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
 - 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.
 - SILL SHALL BE ANCHORED PER INSTALLATION DETAIL ON THIS SHEET AND SHEETS 4 & 20.
 - GASKETING QUANTITY WILL INCREASE WHEN USED WITH HOLLOW METAL MULLION. SEE SHTS 5-8 FOR DETAILS.

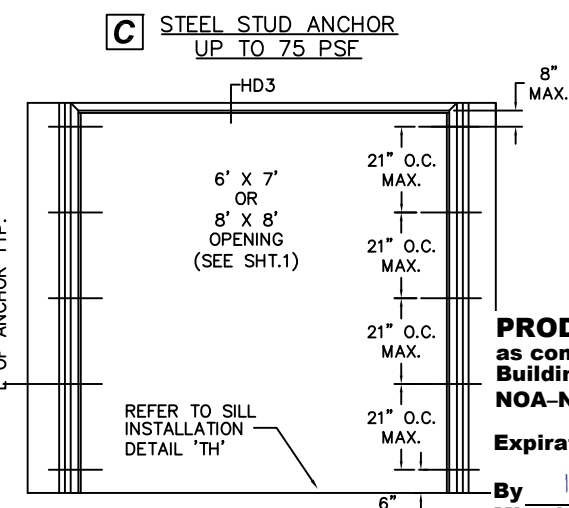
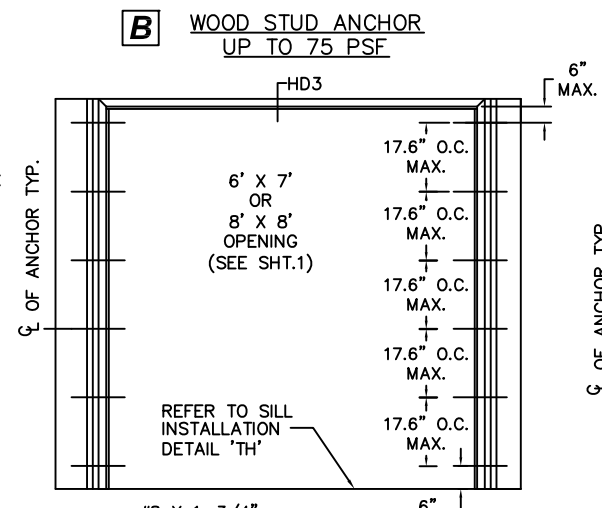
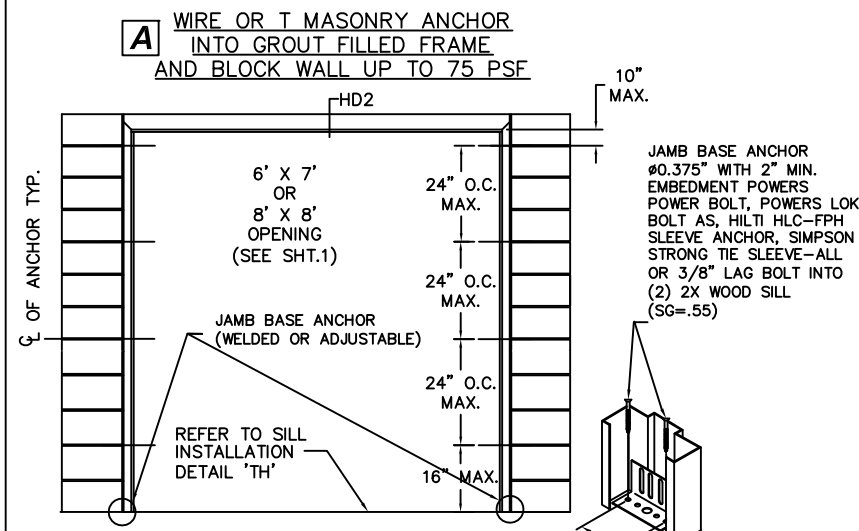
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|--|------------------|--|------|---------|---|---------------|
| BEND RADIUS | | <div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div> | | | <div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div> | |
| <div></div> | | | | | | |
| THIRD ANGLE PROJECTION | | TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES | | | | |
| DRAWN YMF | DATE 05/20/07 | H-SERIES GLASS DOUBLE DOORS OUTSWING CONFIGURATIONS | | | | |
| CHECKED | | | | | | |
| APPROVED | | SIZE | FLAT | DWG NO. | IRGD07 | REV N |
| ENG. APPVL JPD | 11/15/07 | SCALE: | NTS | AUTOCAD | | SHEET 3 OF 20 |

REVISIONS

| LTR | DESCRIPTION | DATE | APPROVED |
|-----|--------------------|--------------|----------|
| A | APPROVAL DWG. | YMF 05/20/07 | |
| G | REVISED PER_MDBCCD | YMF 04/08/10 | |
| H | REVISED NAME | JPD 11/01/13 | |
| J | REVISED NAME | JPD 02/01/15 | |
| K | REVISED DWG | JPD 05/05/15 | |
| L | ENGINEER CHANGE | LA 03/14/17 | |
| M | ADDRESS UPDATE | SM 02/27/20 | |
| N | 2020 FBC UPDATE | NUS 07/07/20 | |

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.19
Expiration Date 05/05/2022
By Ishay I. Chande
Miami-Dade Product Control



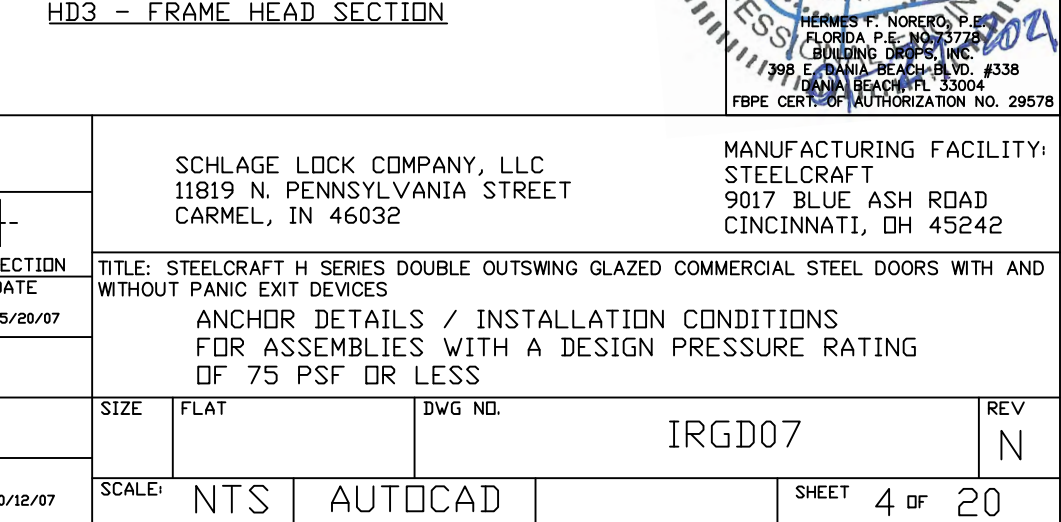
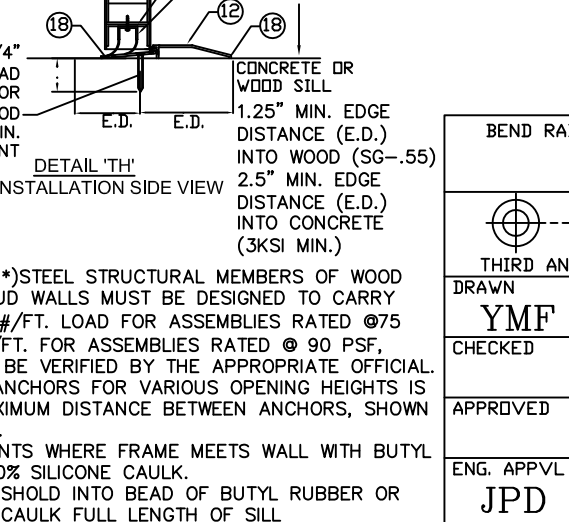
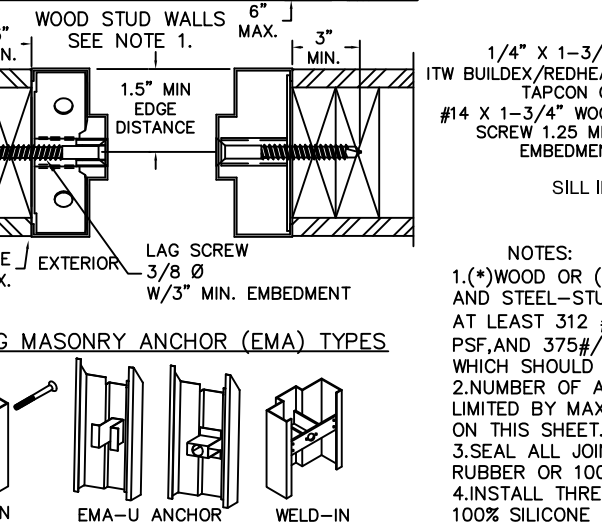
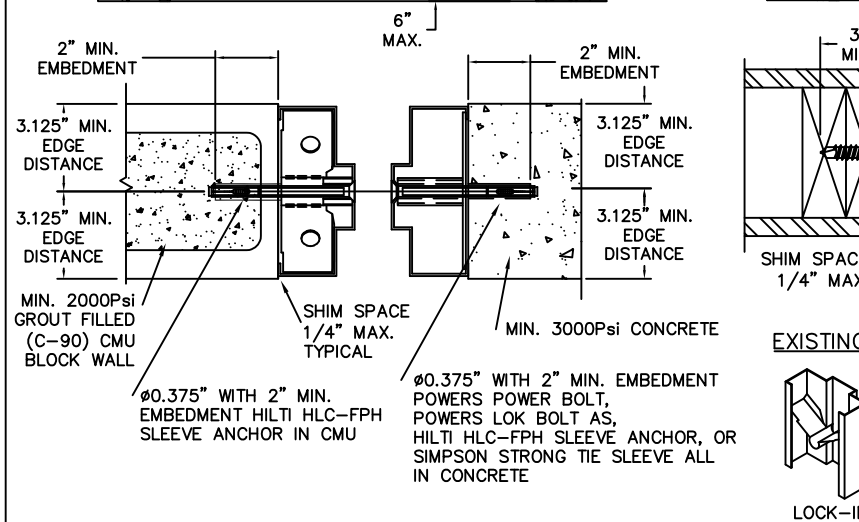
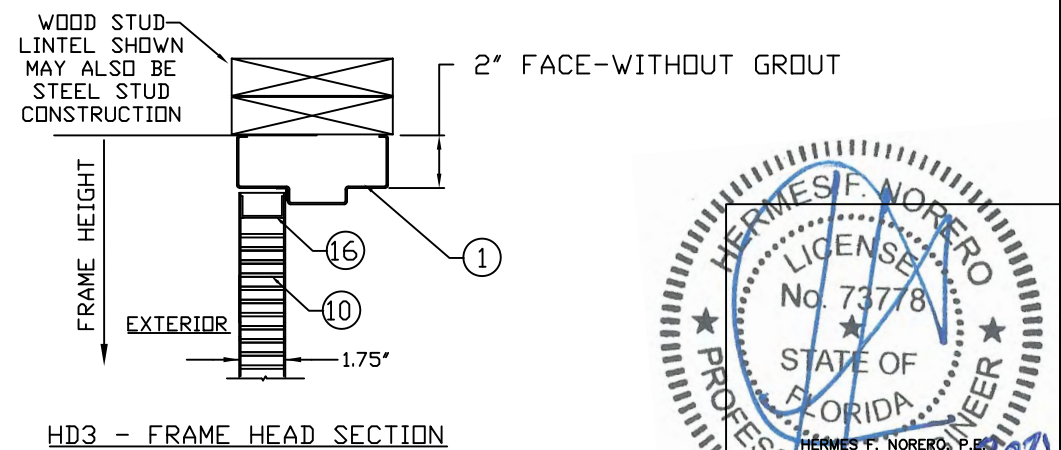
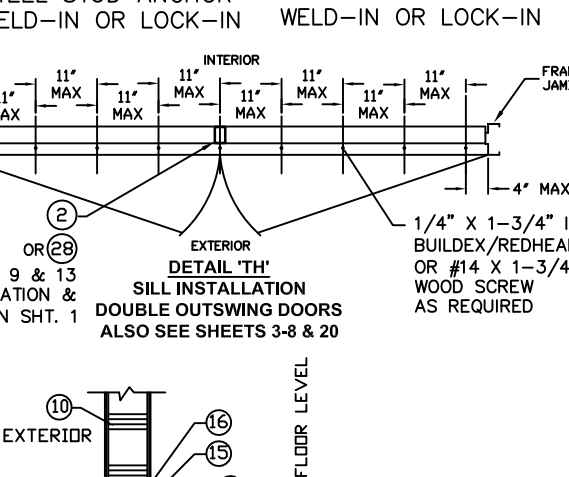
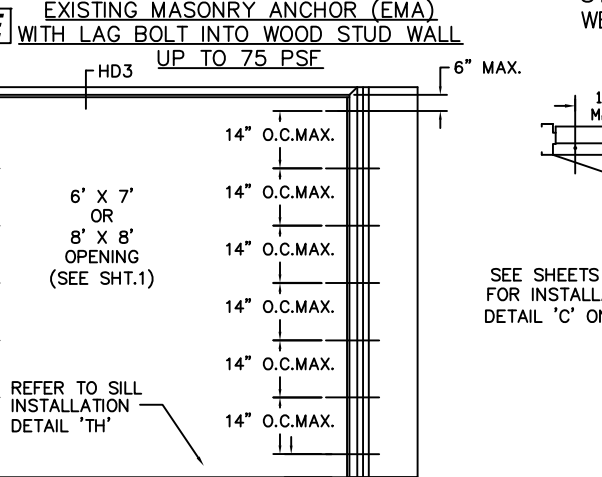
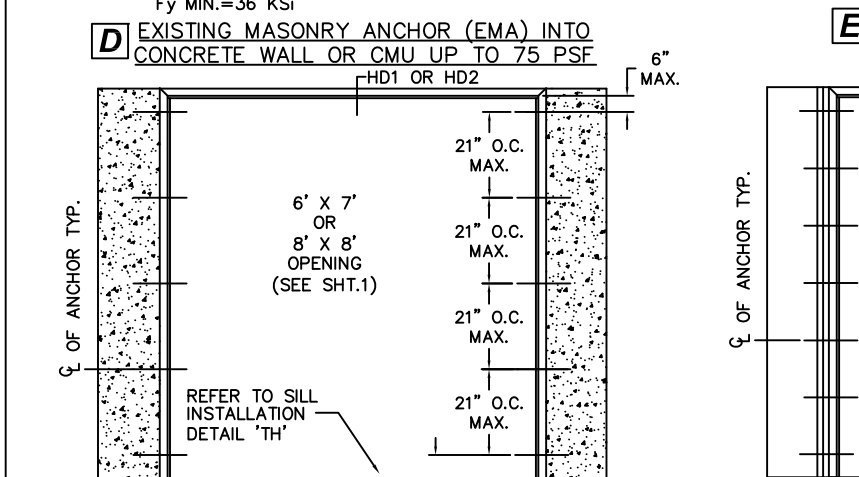
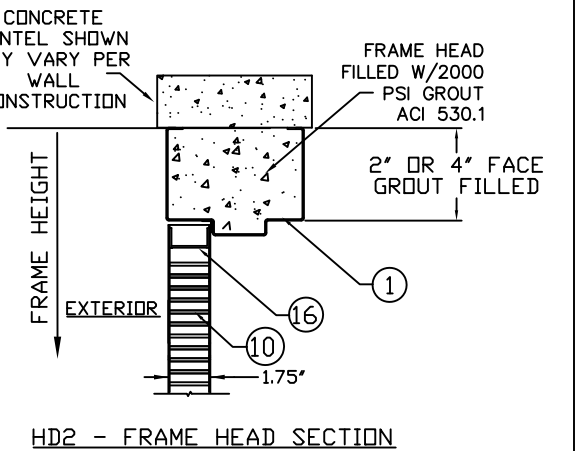
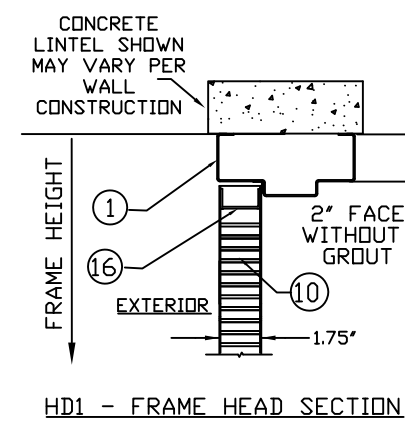
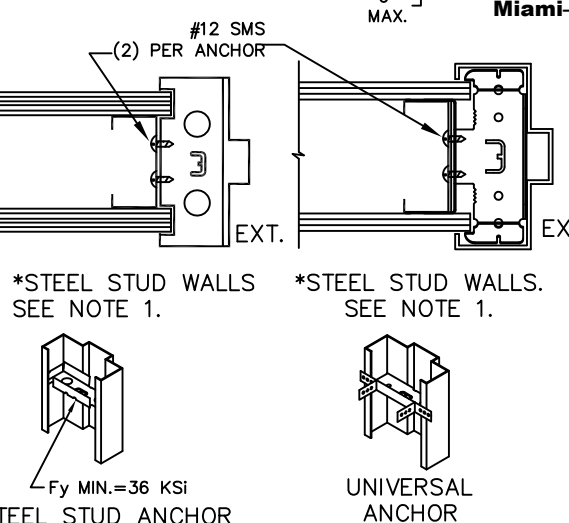
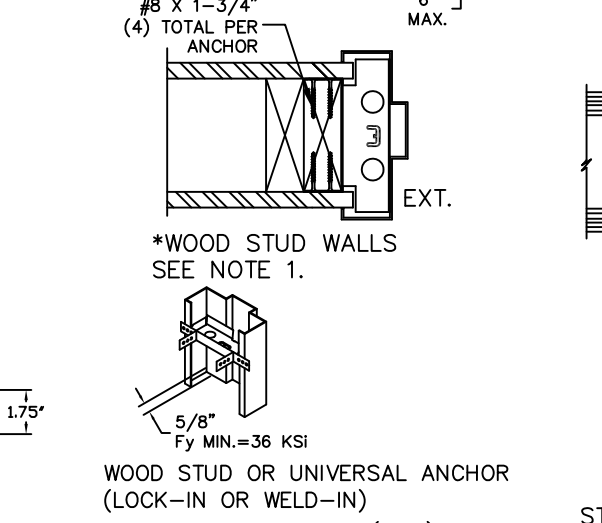
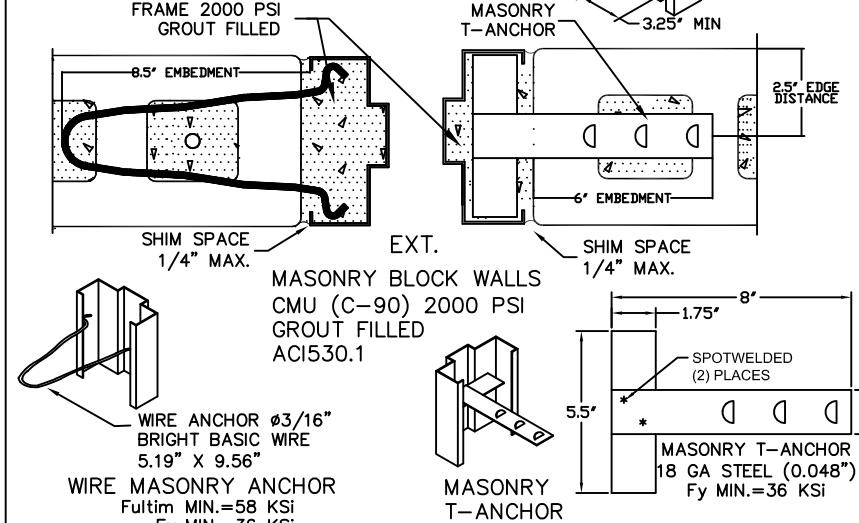


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Building Code
NOA-No. 20-1005.19

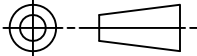
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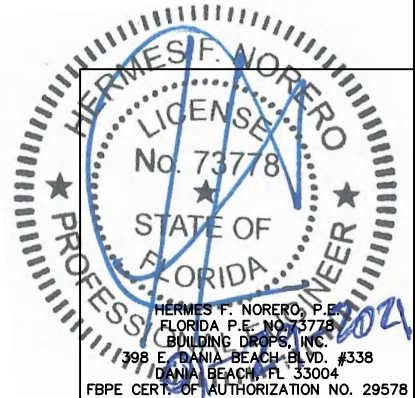
By *Ishag I. Chandra*
Miami-Dade Product Control

| LTR | DESCRIPTION | DATE | APPROVED |
|-----|--------------------|------|----------|
| A | APPROVAL DWG | YMF | 05/20/07 |
| C | REVISED DWG | RAP | 12/03/07 |
| D | REVISED DWG | YMF | 12/15/08 |
| E | REVISED PER_MDBCCD | YMF | 02/05/09 |
| F | REVISED PER_MDBCCD | YMF | 01/04/10 |
| G | REVISED PER_MDBCCD | YMF | 04/08/10 |
| H | REVISED NAME | JPD | 11/01/13 |
| J | REVISED DWG | JPD | 02/01/15 |
| K | REVISED DWG | JPD | 05/05/15 |
| L | ENGINEER CHANGE | LA | 02/10/17 |
| M | ADDRESS UPDATE | SM | 02/27/20 |
| N | 2020 FBC UPDATE | NUS | 07/07/20 |



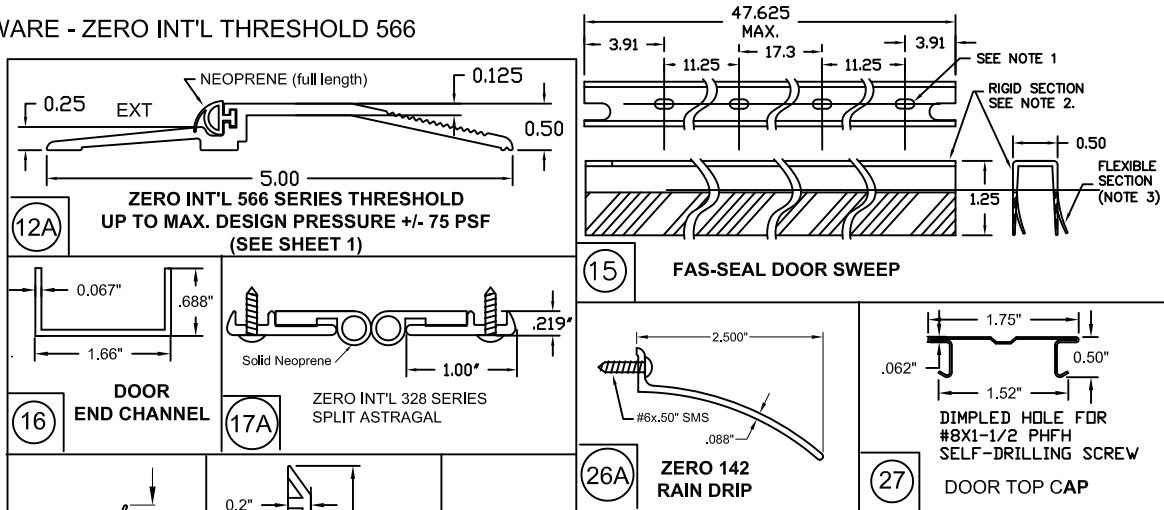
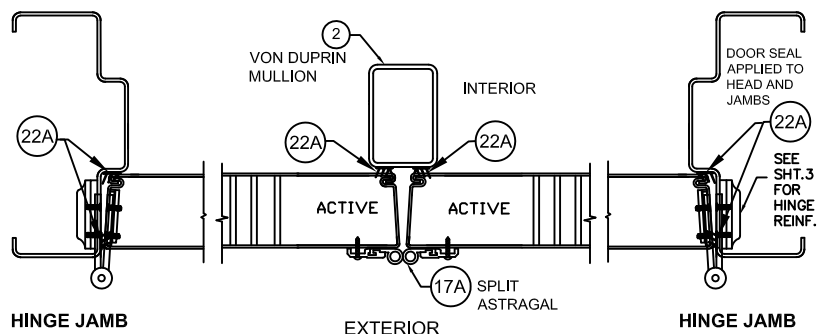
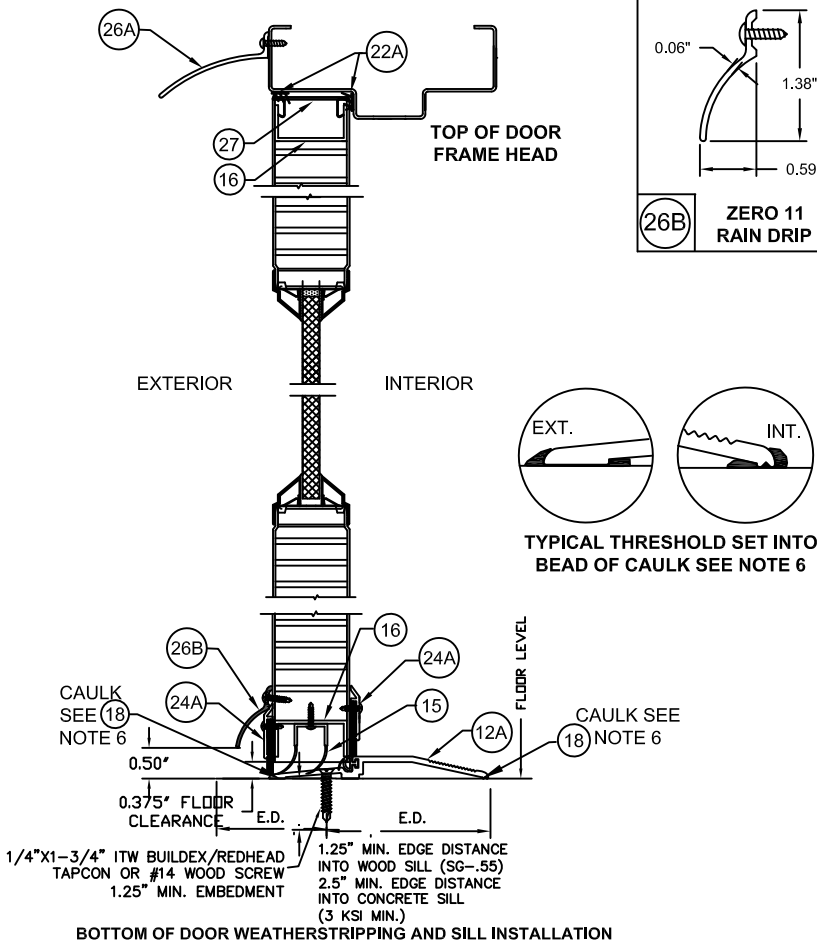
NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF,AND 375#/FT. FOR ASSEMBLIES RATED @ 90 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS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

| | | | | | | | | | | | | | |
|--|--|--|--|--|------|--|--|---------|--------|--|--|---------------|--|
| BEND RADIUS | | <div>SCHLAGE LOCK COMPANY, LLC</div> <div>11819 N. PENNSYLVANIA STREET</div> <div>CARMEL, IN 46032</div> | | | | <div>MANUFACTURING FACILITY:</div> <div>STEELCRAFT</div> <div>9017 BLUE ASH ROAD</div> <div>CINCINNATI, OH 45242</div> | | | | | | | |
| <div></div> | | | | | | | | | | | | | |
| THIRD ANGLE PROJECTION | | | | | | TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES | | | | | | | |
| DRAWN | | DATE | | <div>ANCHOR DETAILS / INSTALLATION CONDITIONS</div> <div>FOR ASSEMBLIES WITH A DESIGN PRESSURE RATING</div> <div>OF 75 PSF OR LESS</div> | | | | | | | | | |
| YMF | | 05/20/07 | | | | | | | | | | | |
| CHECKED | | | | | | | | | | | | | |
| APPROVED | | | | SIZE | FLAT | DWG NO. | | | IRGD07 | | | REV | |
| | | | | | | | | | | | | N | |
| ENG. APPVL | | | | SCALE: | | NTS | | AUTOCAD | | | | SHEET 4 OF 20 | |
| JPD | | 10/12/07 | | | | | | | | | | | |

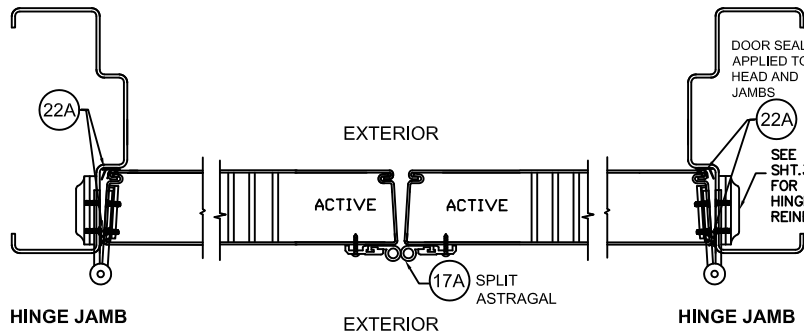
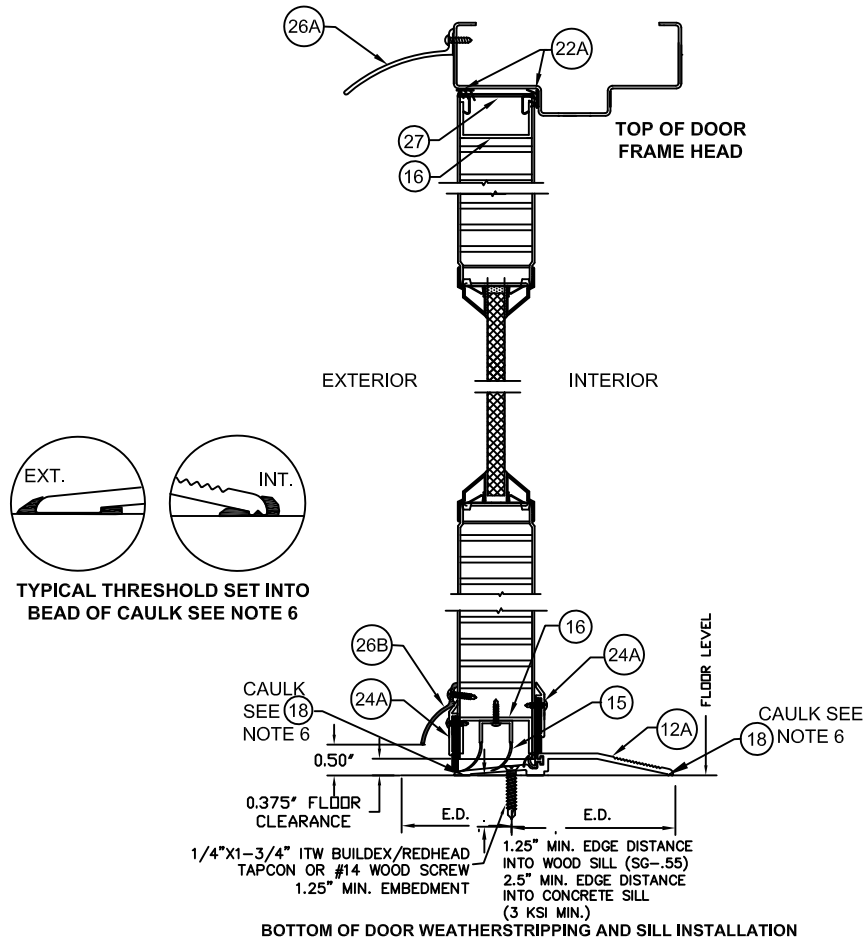


| ITEM NUMBER | MODEL No./ DESCRIPTION | MFG. |
|----------------|---------------------------|------------|
| 12A | 566 THRESHOLD | ZERO INT'L |
| 15 | FAS-SEAL SWEEP | STEELCRAFT |
| 16 | END CHANNEL | STEELCRAFT |
| 17A | 328 SPLIT ASTRAGAL | ZERO INT'L |
| 22A | 8150S DOOR SEAL | ZERO INT'L |
| 24A | 139 DOOR SWEEP | ZERO INT'L |
| 26A | 142 RAIN DRIP | ZERO INT'L |
| 26B | 11 RAIN DRIP | ZERO INT'L |
| 27 | DOOR TOP CAP | STEELCRAFT |

**FOR CONFIGURATIONS:
1, 2, 3A, 3B, 6 & 8
(SEE ELEVATIONS SHEET 1)**



**FOR CONFIGURATIONS: 4 & 5
(SEE ELEVATIONS SHEET 1)**



TOP OF DOOR FRAME HEAD

EXTERIOR **INTERIOR**

FLOOR LEVEL

CAULK SEE (18) NOTE 6

0.375" FLOOR CLEARANCE

E.D. **E.D.**

1/4"x1-3/4" ITW BUILDDEX/REDHEAD APCON OR #14 WOOD SCREW 1.25" MIN. EMBEDMENT (3 KSI MIN.)

1.25" MIN. EDGE DISTANCE INTO WOOD SILL (SG-.55)

2.5" MIN. EDGE DISTANCE INTO CONCRETE SILL

BOTTOM OF DOOR WEATHERSTRIPPING AND SILL INSTALLATION

EXT. **INT.**

HINGE JAMB

NOTES:

1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR W
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PI
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPI
4. FAS-SEAL DOOR SWEEP (15), AND THRESHOLD (12A) AP
5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BU
6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR

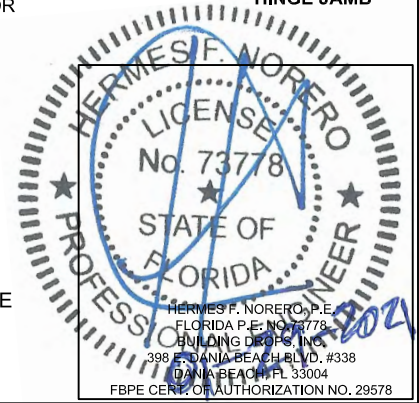
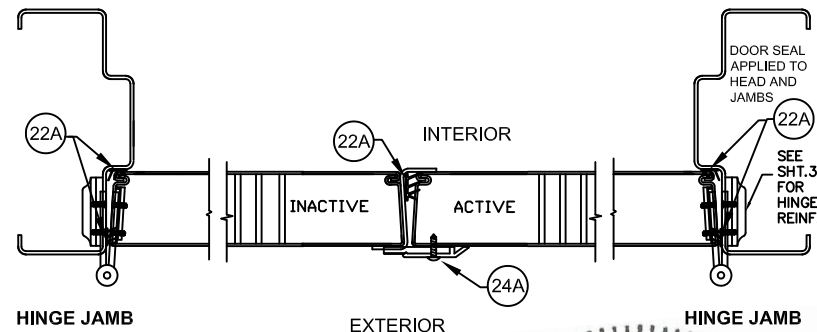
LENGTH OF SILL

| R E V I S I O N S | | | | |
|-------------------|--------------------|-----|----------|----------|
| LTR | DESCRIPTION | | DATE | APPROVED |
| A | APPROVAL DWG | YMF | 05/20/07 | |
| E | REVISED PER_MDBCCO | YMF | 02/05/09 | |
| F | REVISED PER_MDBCCO | YMF | 01/04/10 | |
| G | REVISED PER_MDBCCO | YMF | 04/08/10 | |
| H | REVISED NAME | JPD | 11/01/13 | |
| J | REVISED DWG | JPD | 02/01/15 | |
| K | REVISED DWG | JPD | 05/05/15 | |
| L | ENGINEER CHANGE | LA | 02/28/17 | |
| M | ADDRESS UPDATE | SM | 02/27/20 | |
| N | 2020 FBC UPDATE | NUS | 07/07/20 | |

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Expiration Date05/05/2022

By Ishag I. Chande
Miami-Dade Product Control



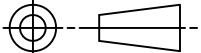
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|---|------------------|--|---------|---|--------------|
| BEND RADIUS | | SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032 | | MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242 | |
|  | | TITLE: STEELCRAFT H SERIES DOUBLE GLAZED OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES | | | |
| DRAWN YMF | DATE 05/20/07 | DOUBLE GLAZED DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS REQUIRED | | | |
| CHECKED | | | | | |
| APPROVED | | SIZE | FLAT | DWG NO. IRGD07 | REV N |
| ENG. APPVL JPD | 10/11/07 | SCALE: NTS | AUTOCAD | SHEET 5 of 20 | |

TABLE 3.2 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 |
| 22B | 188S DOOR SEAL | ZERO INT'L |
| 24A | 139 DOOR SWEEP | ZERO INT'L |
| 24B | 328 DOOR SWEEP | ZERO INT'L |
| 25A | 475 ADJUSTABLE SEAL | ZERO INT'L |
| 26A | 142 RAIN DRIP | ZERO INT'L |
| 26B | 11 RAIN DRIP | ZERO INT'L |
| 27 | DOOR TOP CAP | STEELCRAFT |

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

FOR CONFIGURATIONS: 7 & 9
(SEE ELEVATIONS SHEET 1)

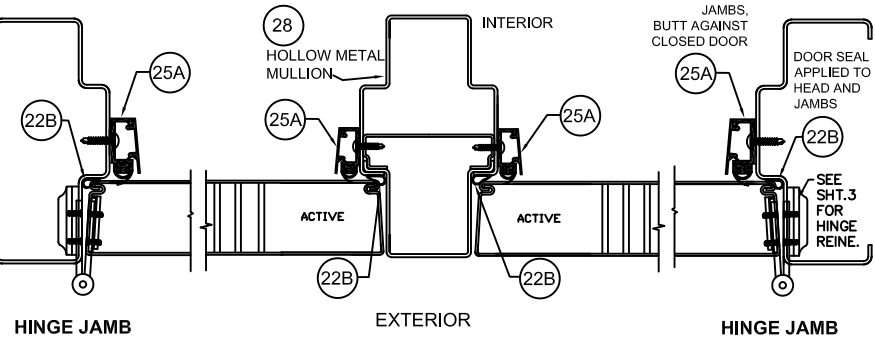
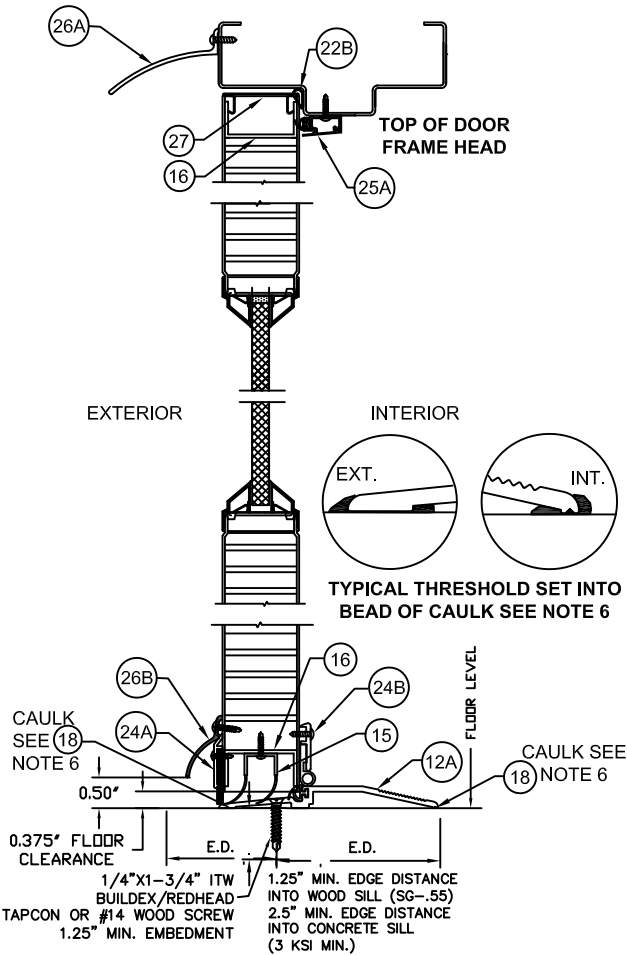
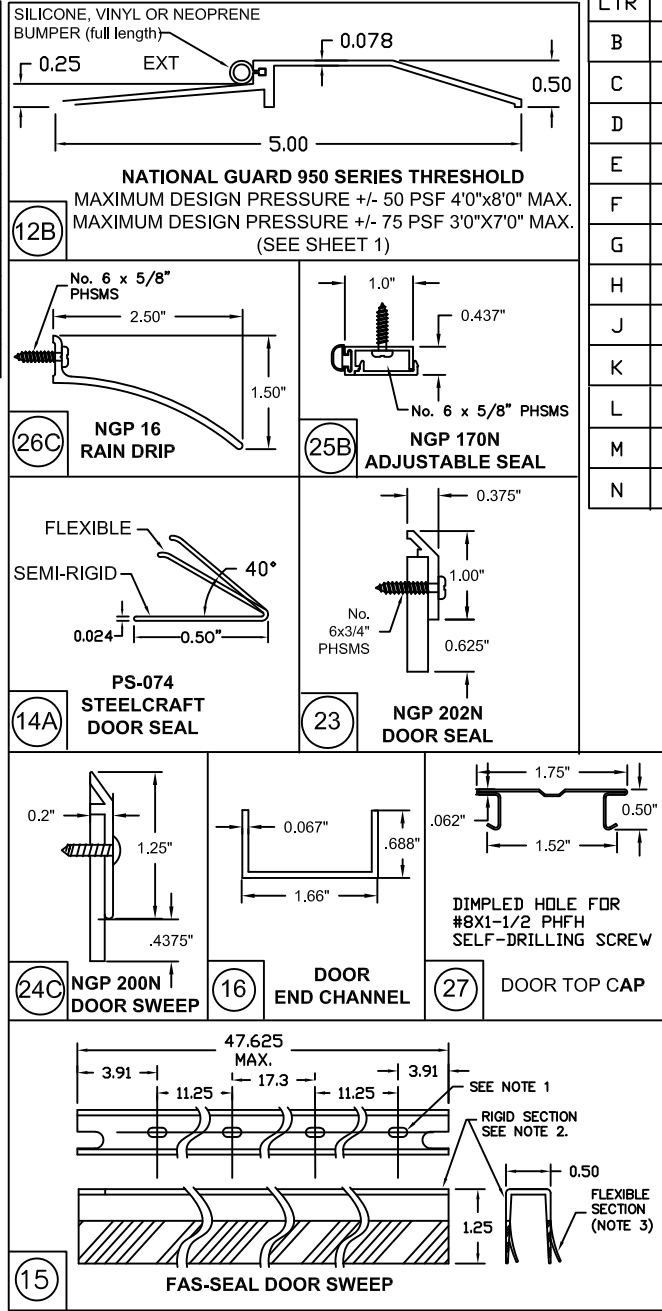
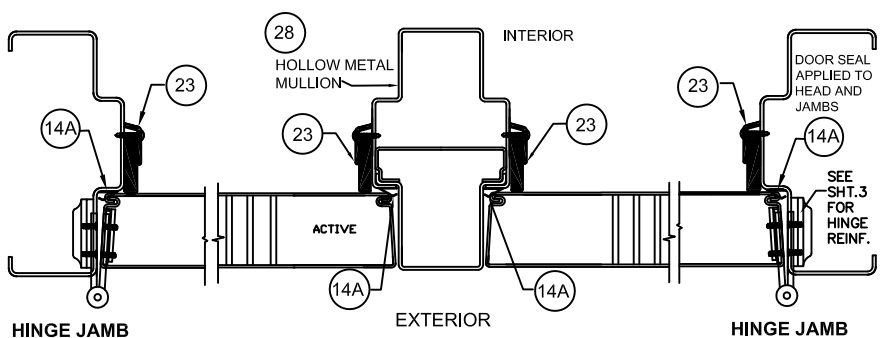
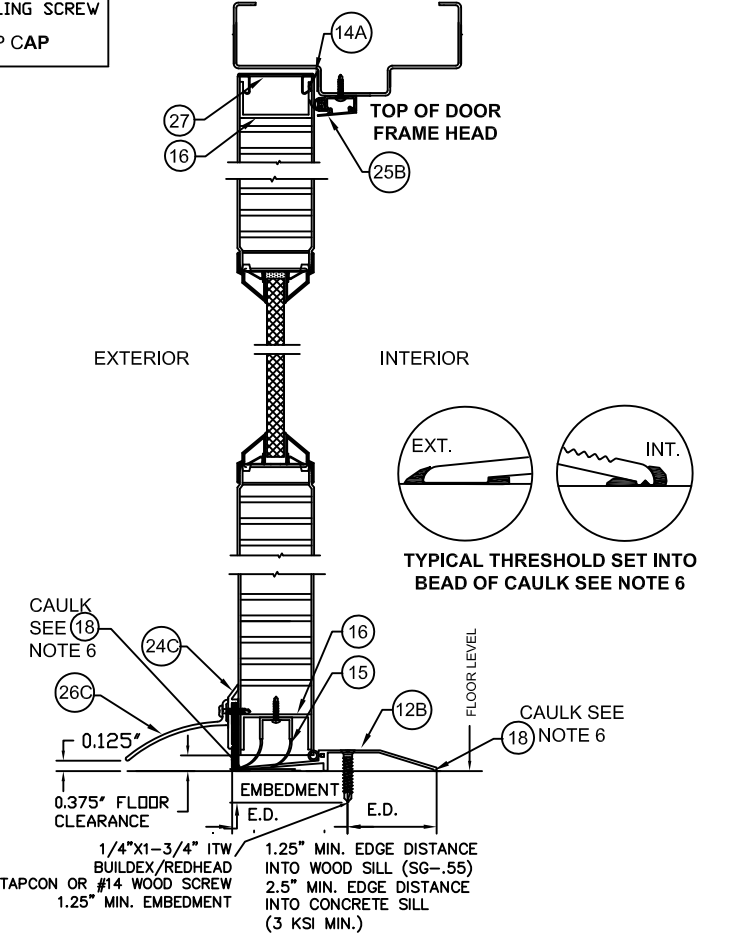


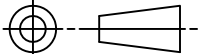
TABLE 3.3 WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

| ITEM NUMBER | MODEL No./ DESCRIPTION | MFG. |
|-------------|------------------------|------------|
| 12B | 950 THRESHOLD | NGP |
| 15 | FAS-SEAL SWEEP | STEELCRAFT |
| 16 | END CHANNEL | STEELCRAFT |
| 14A | PS074 DOOR SEAL | STEELCRAFT |
| 23 | 202N DOOR SEAL | NGP |
| 24C | 200N DOOR SWEEP | NGP |
| 25B | 170N ADJUSTABLE SEAL | NGP |
| 26C | 16A RAIN DRIP | NGP |
| 27 | 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)
FOR CONFIGURATIONS: 7 & 9
(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 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 GLAZED OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES | | | | | | |
| DRAWN YMF | DATE 05/20/07 | DOUBLE GLAZED DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS REQUIRED | | | | | | |
| CHECKED | | | | | | | | |
| APPROVED | | SIZE | FLAT | | DWG NO. | IRGD07 | REV N | |
| ENG. APPVL JPD | 10/11/07 | SCALE: | NTS | AUTOCAD | | SHEET | 6 of 20 | |

REVISIONS

| LTR | DESCRIPTION | DATE | APPROVED |
|-----|-----------------|------|----------|
| B | REVISED DWG | RAP | 12/26/07 |
| C | REVISED DWG | RAP | 12/14/07 |
| D | REVISED DWG | YMF | 12/14/08 |
| E | REVISED DWG | YMF | 02/05/09 |
| F | REVISED DWG | YMF | 01/04/10 |
| G | REVISED DWG | YMF | 04/08/10 |
| H | REVISED NAME | JPD | 11/01/13 |
| J | REVISED DWG | JPD | 02/01/15 |
| K | REVISED DWG | JPD | 05/05/15 |
| L | ENGINEER CHANGE | LA | 03/14/17 |
| M | ADDRESS UPDATE | SM | 02/27/20 |
| N | 2020 FBC UPDATE | NUS | 07/07/20 |

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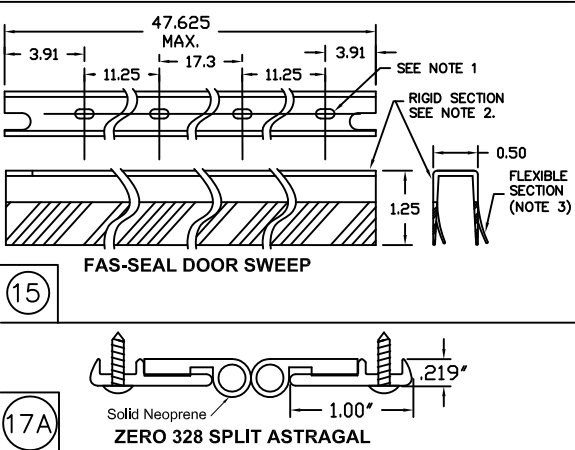
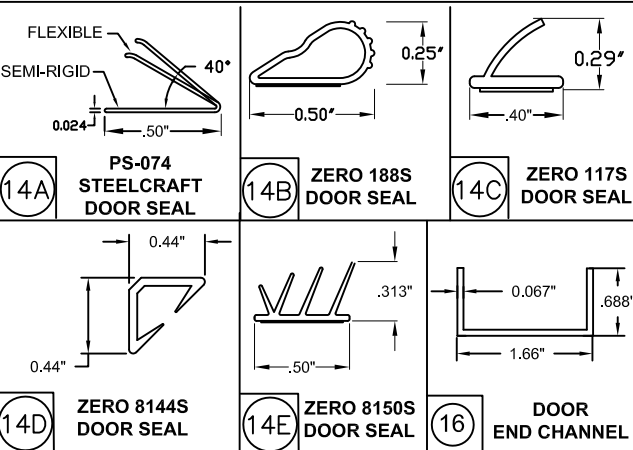
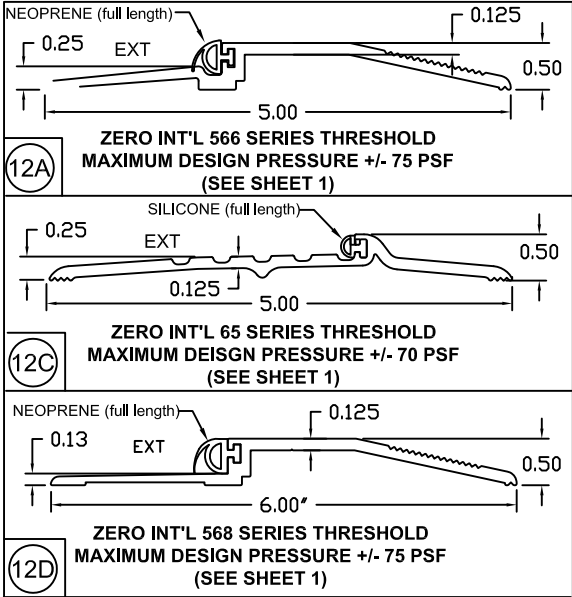
By Ishaq I. Chandra
Miami-Dade Product Control



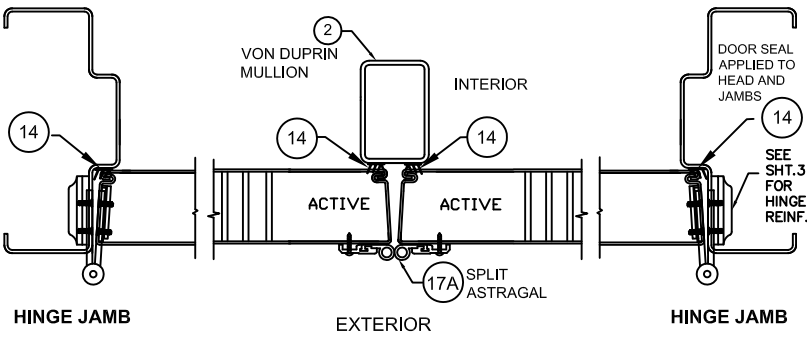
TABLE 4.1 NON WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLDS

| 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 |
| 17A | 328 SPLIT ASTRAGAL | | ZERO INT'L |

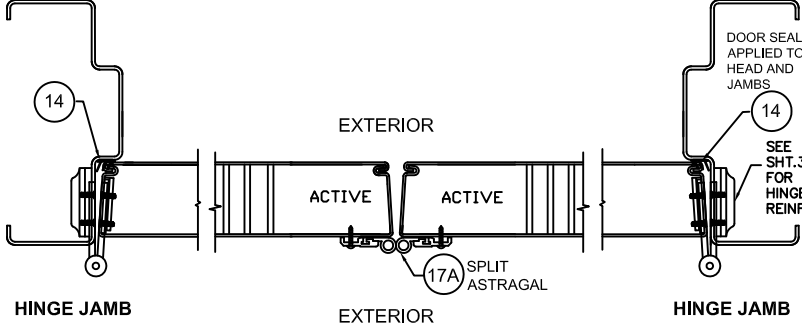
ZERO INT'L 566, 65 AND 568 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED
MAXIMUM DESIGN PRESSURE RATING 75PSF - MAXIMUM DOOR SIZE 4'-0" X 8'-0" (SEE ELEVATIONS SHEET 1)



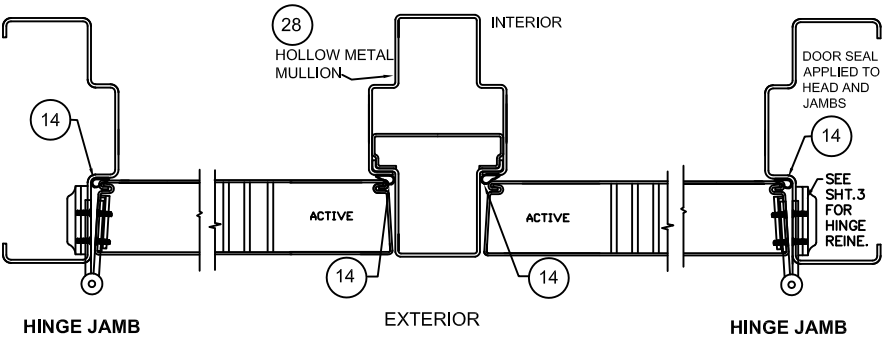
FOR CONFIGURATIONS: 1, 2, 3A, 3B, 6 & 8 (SEE ELEVATIONS SHEET 1)



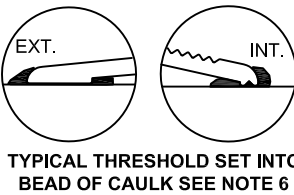
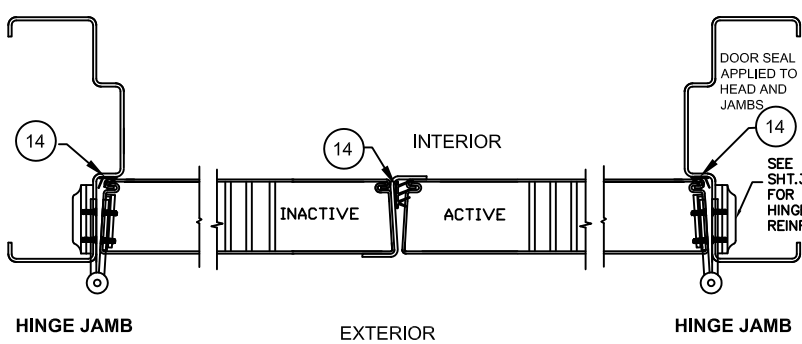
FOR CONFIGURATIONS: 4 & 5 (SEE ELEVATIONS SHEET 1)



FOR CONFIGURATIONS: 7 & 9 (SEE ELEVATIONS SHEET 1)

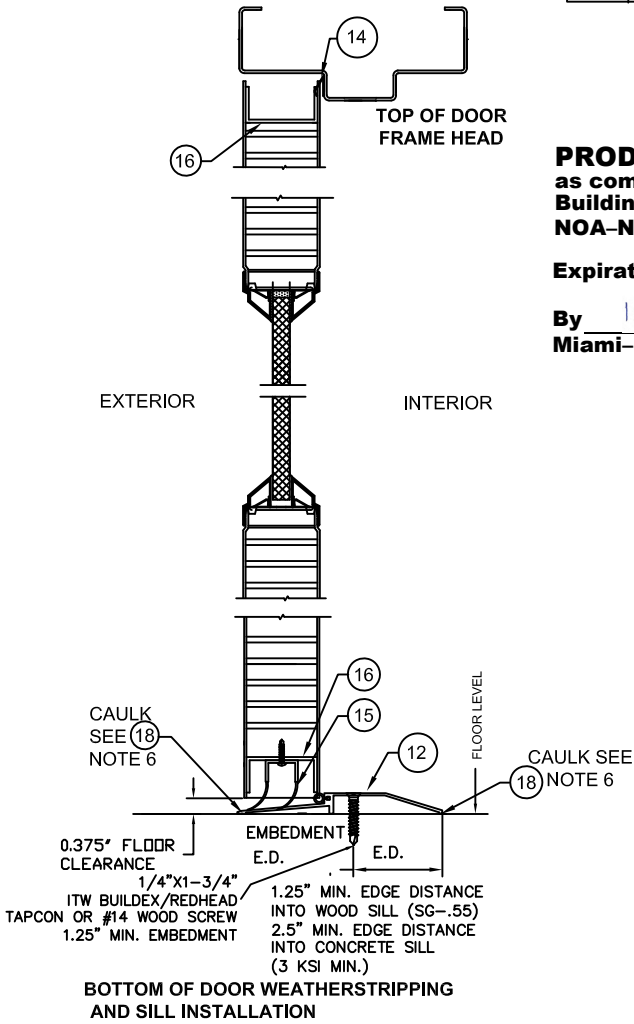


FOR CONFIGURATIONS: 10 & 11 (SEE ELEVATIONS SHEET 1)



- 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 (15), DOOR SEAL (14A, 14B, 14C, 14D, 14E) AND THRESHOLD (12A, 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

ALL CONFIGURATIONS



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By *Ishag I. Chande*
Miami-Dade Product Control



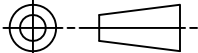
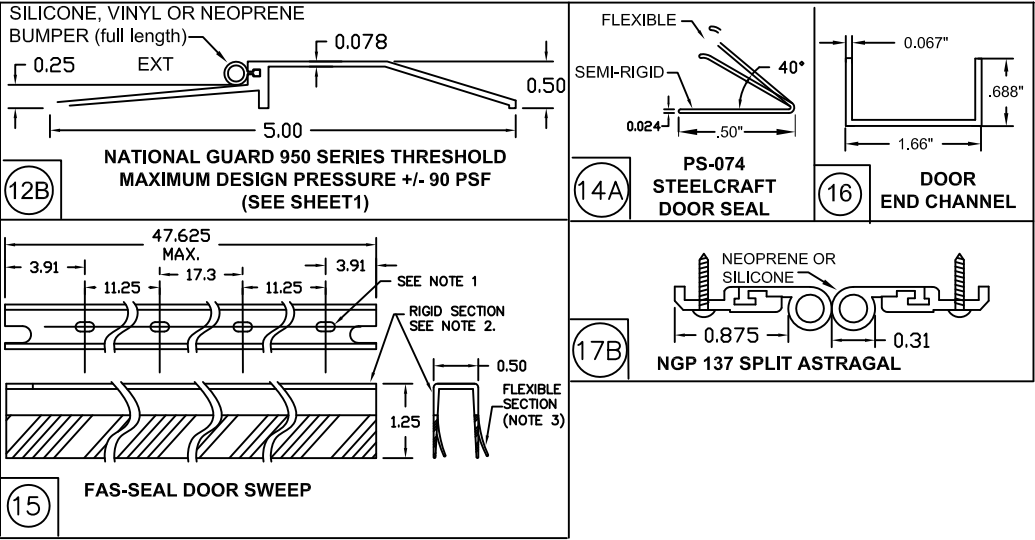
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|--|--|--|--------------------|---|-----------------------------|
| BEND RADIUS | | <div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div> <div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div> | | | |
| <div></div> <div>THIRD ANGLE PROJECTION</div> | | | | | |
| <div>DRAWN YMF</div> <div>CHECKED</div> | | <div>DATE 05/20/07</div> | | <div>TITLE: STEELCRAFT H SERIES DOUBLE GLAZED OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES</div> <div>DOUBLE GLAZED DOOR PERIMETER SEAL ZERO INT'L HARDWARE APPROVED WHERE WATER INFILTRATION IS <u>NOT</u> REQUIRED</div> | |
| <div>APPROVED</div> | | <div>SIZE</div> | <div>FLAT</div> | <div>DWG NO.</div> <div>IRGD07</div> | <div>REV</div> <div>N</div> |
| <div>ENG. APPVL JPD</div> <div>10/11/07</div> | | <div>SCALE:</div> <div>NTS</div> | <div>AUTOCAD</div> | <div>SHEET</div> <div>7 of 20</div> | |

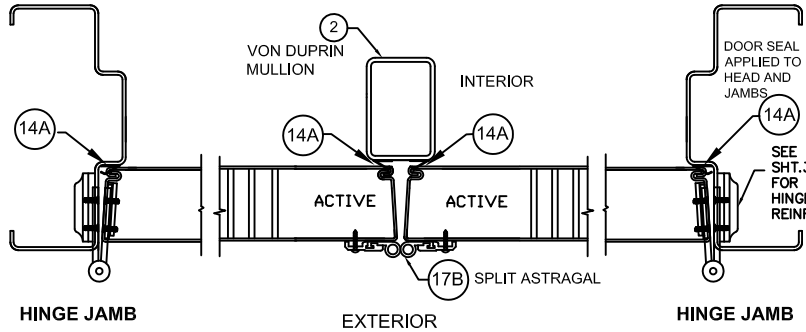
TABLE 4.2 PERIMETER SEAL HARDWARE - NGP THRESHOLD

| ITEM NUMBER | MODEL No./ DESCRIPTION | MFG. |
|-------------|------------------------|------------|
| 12B | 950 THRESHOLD | NGP |
| 14A | PS074 DOOR SEAL | STEELCRAFT |
| 15 | FAS-SEAL SWEEP | STEELCRAFT |
| 16 | END CHANNEL | STEELCRAFT |
| 17B | 137 SPLIT ASTRAGAL | NGP |

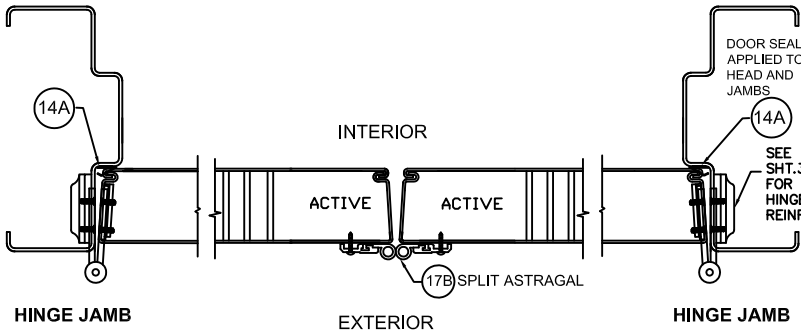
NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED -
MAXIMUM DESIGN PRESSURE 90 PSF FOR MAXIMUM DOOR SIZE OF 4'-0" X 8'-0" (SEE ELEVATIONS SHEET 1)



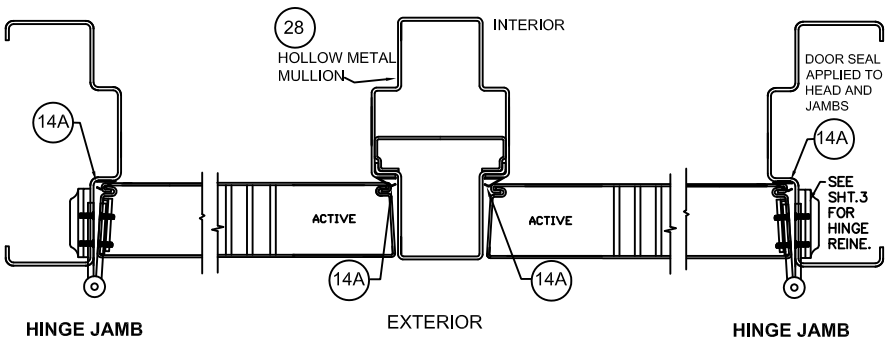
FOR CONFIGURATIONS: 1, 2, 3A, 3B, 6 & 8 (SEE ELEVATIONS SHEET 1)



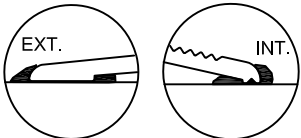
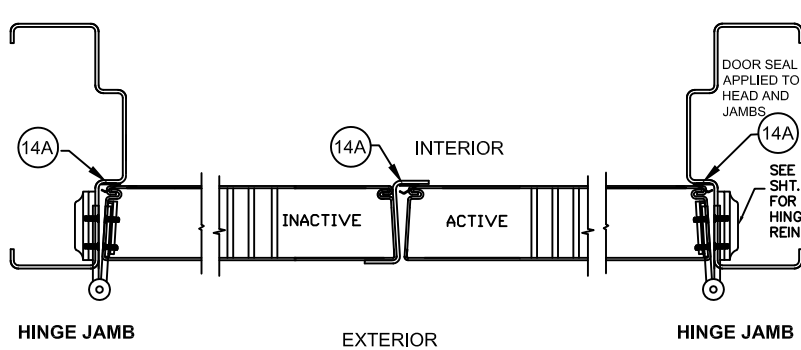
FOR CONFIGURATIONS: 4 & 5 (SEE ELEVATIONS SHEET 1)



FOR CONFIGURATIONS: 7 & 9 (SEE ELEVATIONS SHEET 1)



FOR CONFIGURATIONS: 10 & 11 (SEE ELEVATIONS SHEET 1)

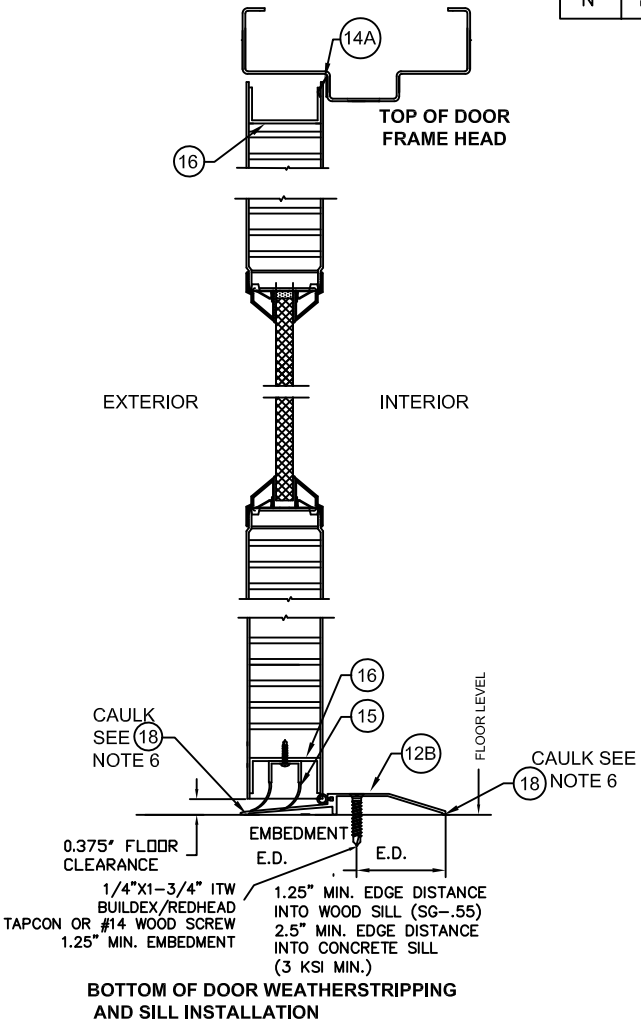


TYPICAL THRESHOLD SET INTO BEAD OF CAULK SEE NOTE 6

- 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) AND THRESHOLD (12B) 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

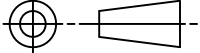
| R E V I S I O N S | | | | |
|-------------------|-----------------|-----|----------|----------|
| LTR | DESCRIPTION | | DATE | APPROVED |
| A | APPROVAL DWG | YMF | 05/20/07 | |
| B | REVISED DWG | RAP | 11/26/07 | |
| C | REVISED DWG | YMF | 12/14/07 | |
| D | REVISED DWG | YMF | 12/14/08 | |
| E | REVISED DWG | YMF | 02/05/09 | |
| F | REVISED DWG | YMF | 01/04/10 | |
| G | REVISED DWG | YMF | 04/08/10 | |
| H | REVISED NAME | JPD | 11/01/13 | |
| J | REVISED DWG | JPD | 02/01/15 | |
| K | REVISED DWG | JPD | 05/05/15 | |
| L | ENGINEER CHANGE | LA | 03/14/17 | |
| M | ADDRESS UPDATE | SM | 02/27/20 | |
| N | 2020 FBC UPDATE | NUS | 07/07/20 | |

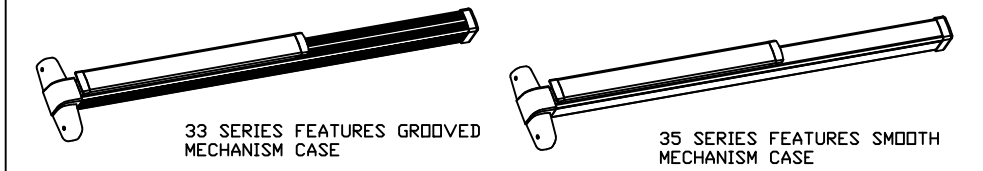
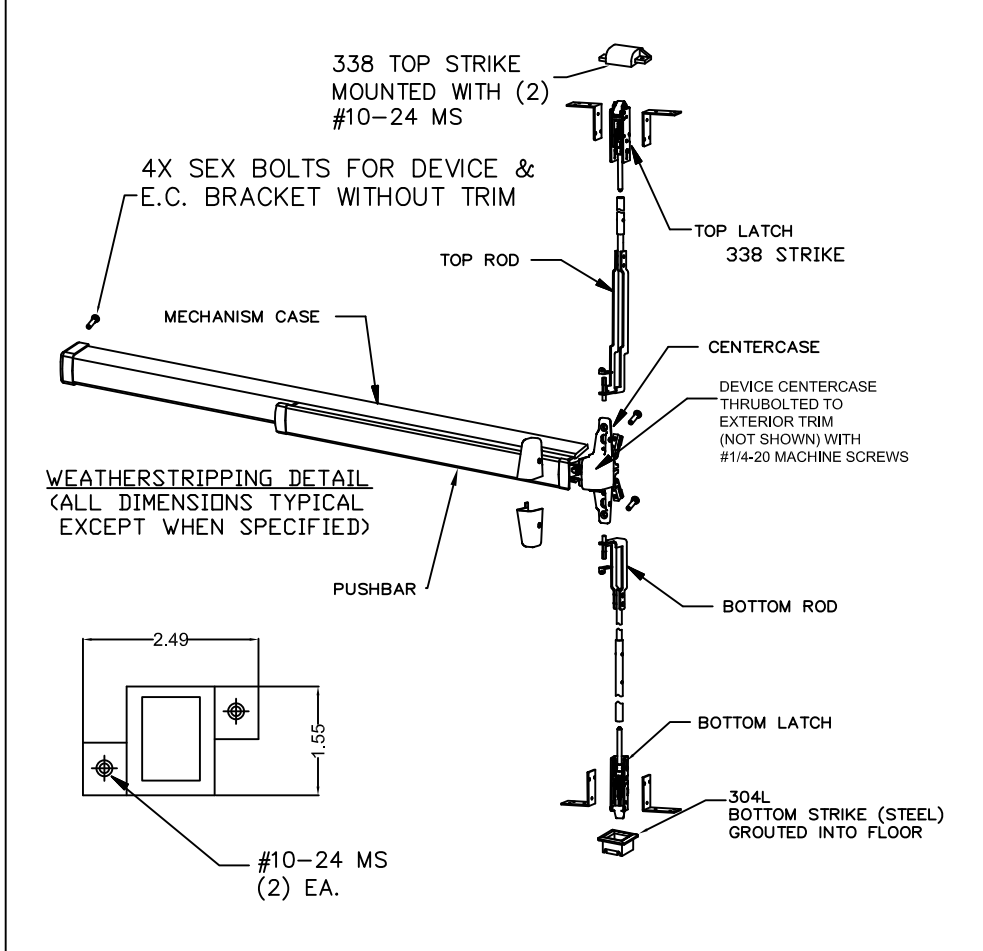
ALL CONFIGURATIONS



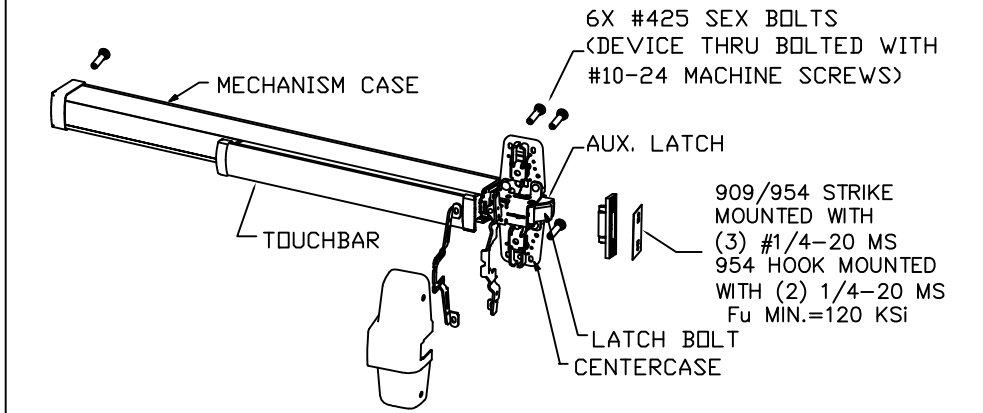
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1005.19
Expiration Date 05/05/2022
By Ismael I. Chanda
Miami-Dade Product Control



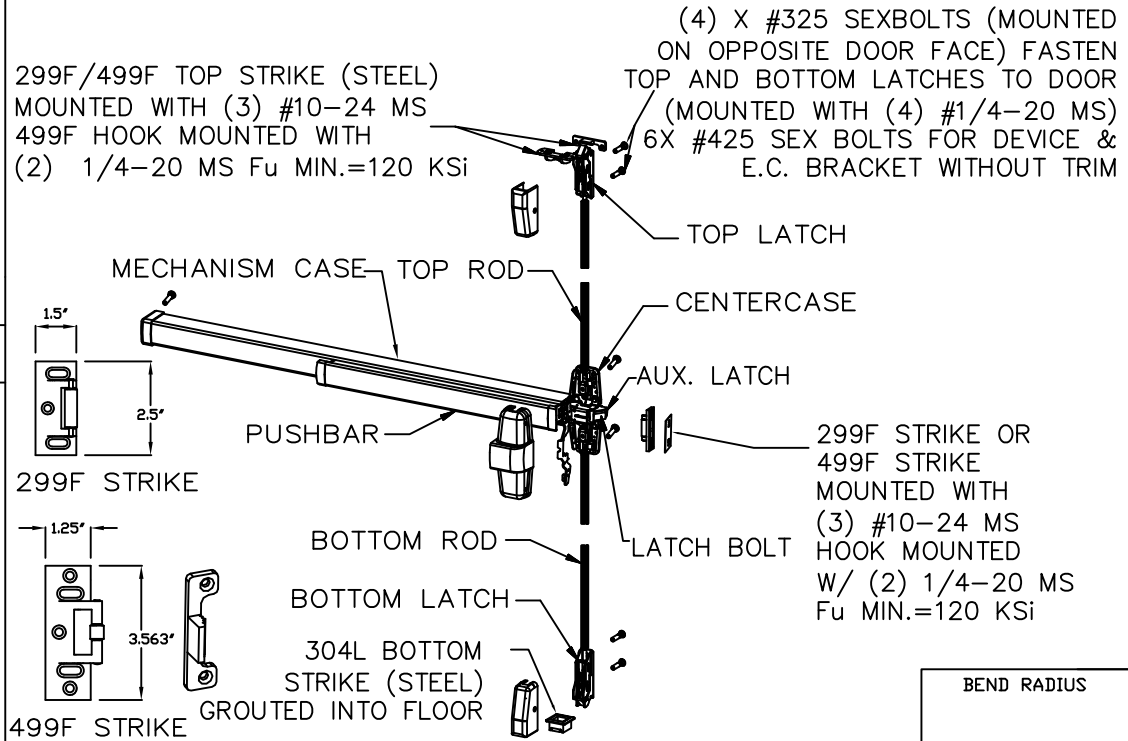
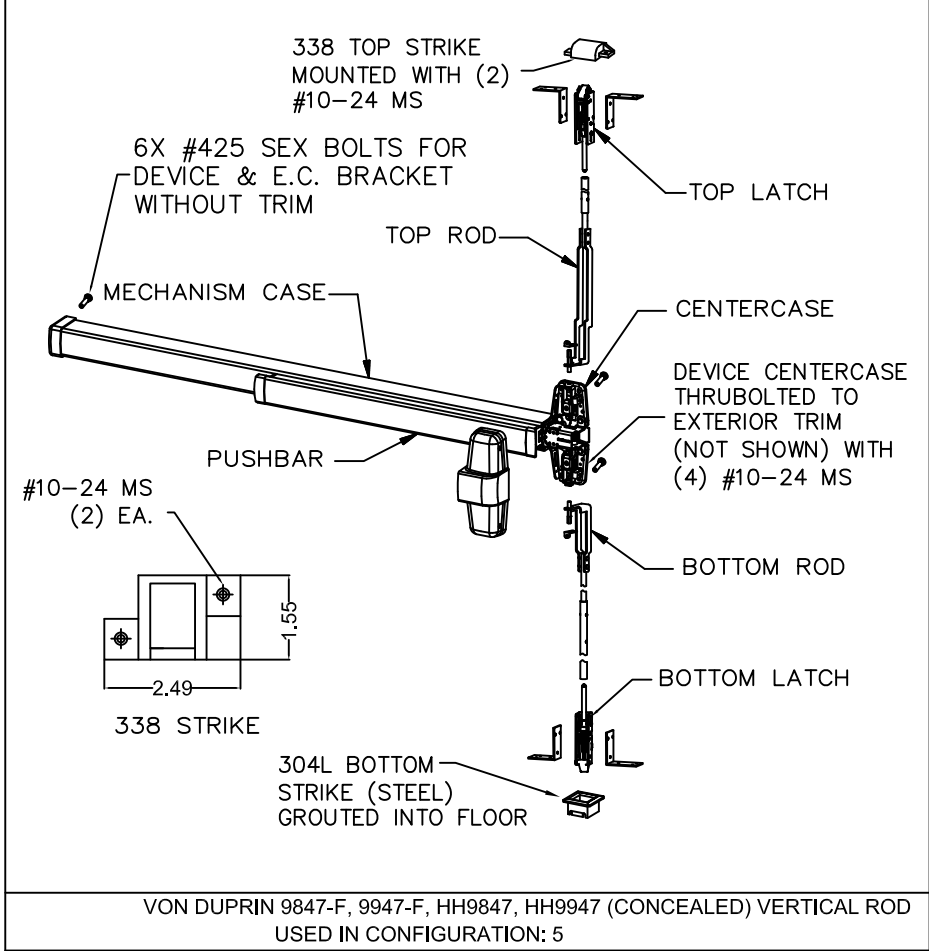
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|---|------------------|--|------|---|---------------|
| BEND RADIUS | | <div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div> | | <div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div> | |
|  | | | | | |
| THIRD ANGLE PROJECTION | | TITLE: STEELCRAFT H SERIES DOUBLE GLAZED OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES | | | |
| DRAWN YMF | DATE 05/20/07 | DOUBLE GLAZED DOOR PERIMETER NGP SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS <u>NOT</u> REQUIRED | | | |
| CHECKED | | | | | |
| APPROVED | | SIZE | FLAT | DWG NO. IRGD07 | REV N |
| ENG. APPVL JPD | 10/11/07 | SCALE: 1 | NTS | AUTOCAD | SHEET 8 of 20 |



VON DUPRIN 3347A-F, 3547A-F, HH3347A, HH3547A CONCEALED VERTICAL ROD DEVICE USED IN CONFIGURATIONS: 5



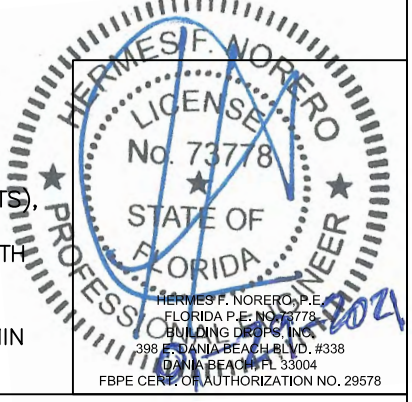
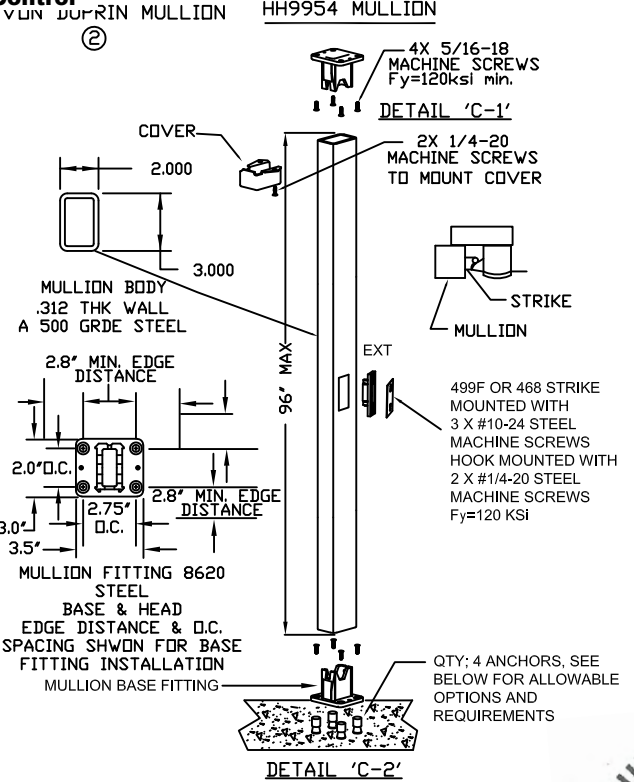
VON DUPRIN XP98, XP99, XP98-F, XP99-F RIM DEVICE USED IN CONFIGURATIONS: 3A & 3B

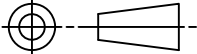


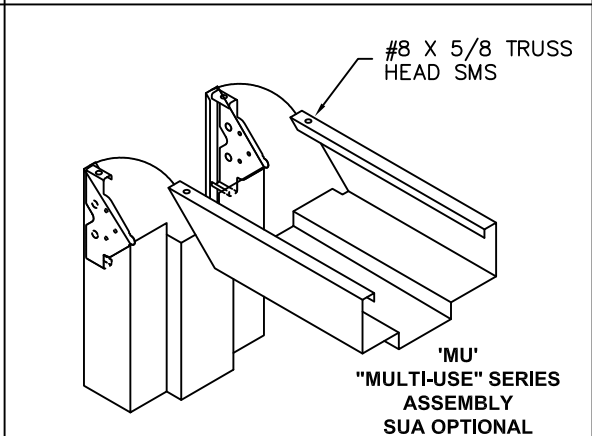
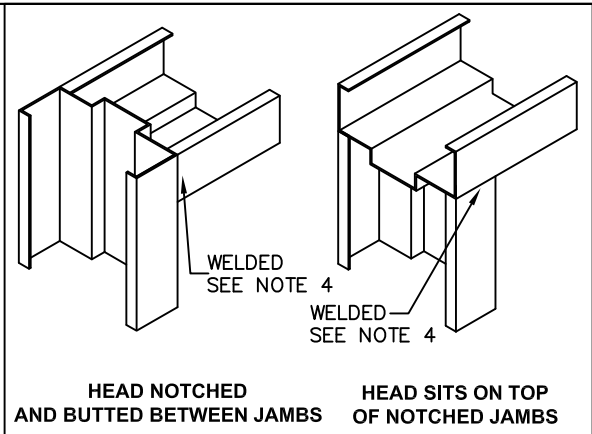
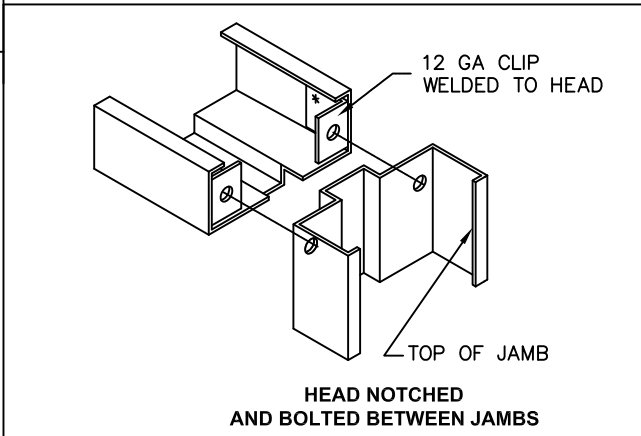
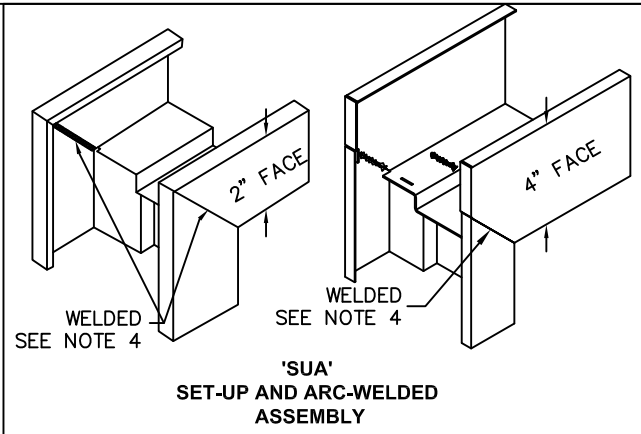
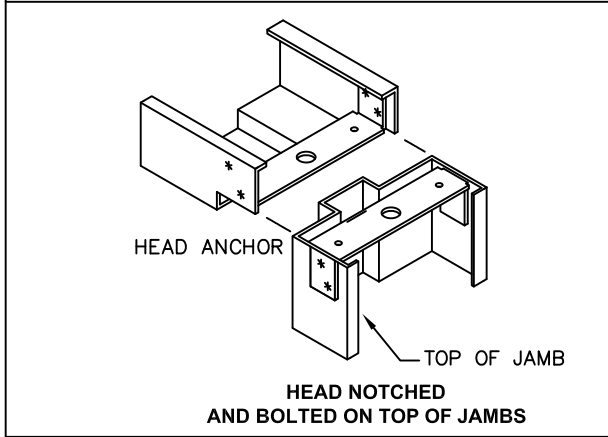
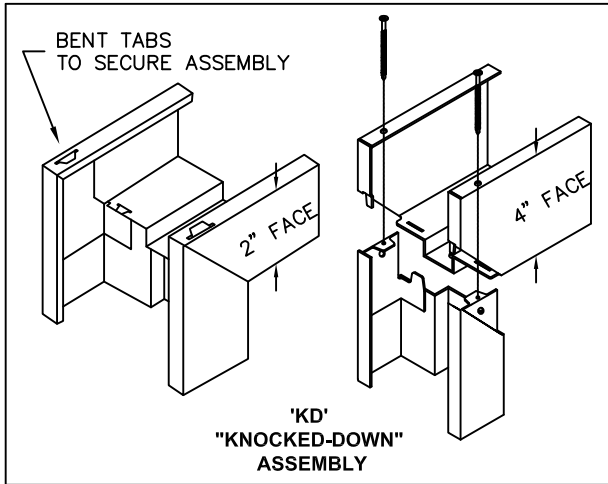
NOTE: ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL.
EXIT HARDWARE OPTIONS:
FOR 98/99 & XP98/99 SERIES - OPTIONS E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN (OPTIONS MAY VARY PER SERIES)
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 33/35-F SERIES - OPTIONS RX, LX, EL, SS, E, QEL, CX, F, ALK, CD, PN, LD
TRIM: ALL APPLICABLE TRIMS AVAILABLE.

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| REVISIONS | | | | |
|-----------|-------------|------------|------|----------|
| LTR | DESCRIPTION | | DATE | APPROVED |
| A | APPROVAL | DWG | YMF | 05/20/07 |
| D | REVISED | DWG | YMF | 12/14/08 |
| E | REVISED | PER_MDBCCD | YMF | 02/05/09 |
| F | REVISED | PER_MDBCCD | YMF | 01/04/10 |
| G | REVISED | PER_MDBCCD | YMF | 04/08/10 |
| H | REVISED | NAME | JPD | 11/01/13 |
| J | REVISED | DWG | JPD | 02/01/15 |
| K | REVISED | DWG | JPD | 05/05/15 |
| L | ENGINEER | CHANGE | LA | 03/02/17 |
| M | ADDRESS | CHANGE | JPD | 01/10/20 |
| N | 2020 | FBC UPDATE | NUS | 07/07/20 |



| | | | | | | | | |
|---|--|---|--|---|---|---------|--------|----------------|
| BEND RADIUS | | SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032 | | | MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242 | | | |
|  | | | | | | | | |
| THIRD ANGLE PROJECTION | | | | | | | | |
| DRAWN YMF | | | | | | | | |
| CHECKED | | DATE 05/20/07 | | TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES EXIT HARDWARE FOR GLASS DOUBLE DOORS. | | | | |
| APPROVED | | | | | | | | |
| ENG. APPVL JPD | | 11/15/07 | | SIZE | FLAT | DWG NO. | IRGD07 | REV N |
| | | SCALE: | | NTS | | AUTOCAD | | SHEET 13 OF 20 |



NOTES:

- DOOR CONSTRUCTION
 - NOMINAL DOOR THICKNESS – 1 3/4"
 - DOOR SIZE MAY VARY, SUBJECTED TO COMPLIANCE WITH FLORIDA BUILDING CODE AND PRODUCT AVAILABILITY FROM MANUFACTURER (SEE SHEET 2 FOR AVAILABLE HARDWARE)
- FRAME CONSTRUCTION
 - NOMINAL JAMB DEPTH – 5 3/4", STOP HEIGHT – 5/8"
 - 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.

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OPTIONAL FRAME PROFILE
SINGLE RABBET

REVISIONS

| LTR | DESCRIPTION | DATE | APPROVED |
|-----|--------------------|--------------|----------|
| A | APPROVAL DWG | YMF 05/20/07 | |
| C | REVISED DWG | RAP 12/14/07 | |
| D | REVISED DWG | YMF 12/14/08 | |
| E | REVISED PER_MDBCCO | YMF 02/05/09 | |
| F | REVISED PER-MDBCCO | YMF 01/04/10 | |
| G | REVISED PER_MDBCCO | YMF 04/08/10 | |
| H | REVISED NAME | JPD 11/01/13 | |
| J | REVISED DWG | JPD 02/01/15 | |
| K | REVISED DWG | JPD 05/05/15 | |
| L | ENGINEER CHANGE | LA 03/14/17 | |
| M | ADDRESS UPDATE | SM 02/27/20 | |
| N | 2020 FBC UPDATE | NUS 07/07/20 | |

TABLE 6. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

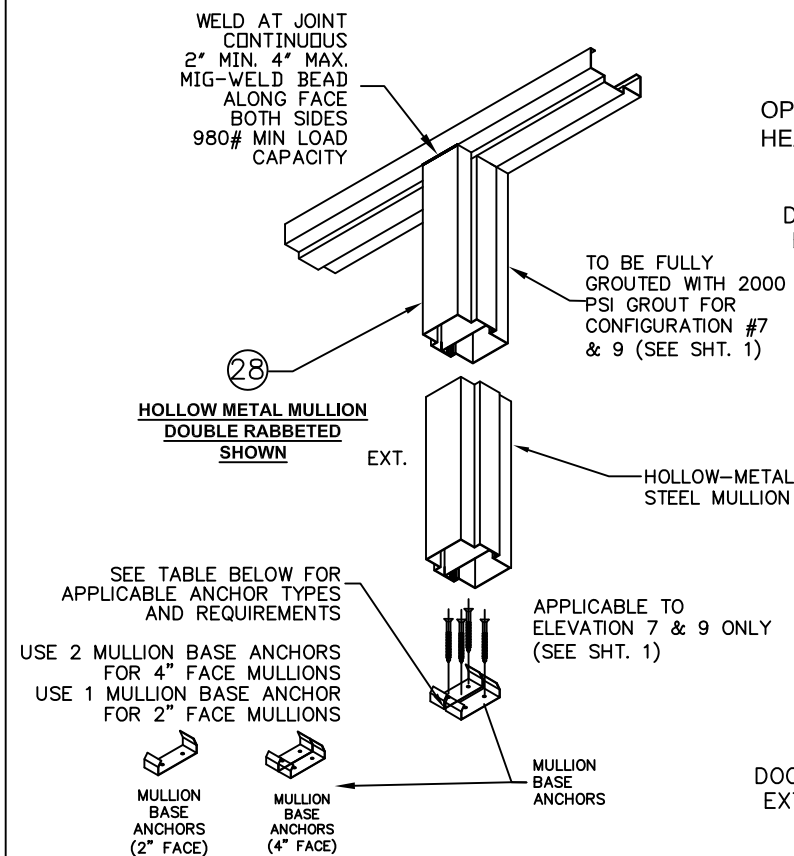
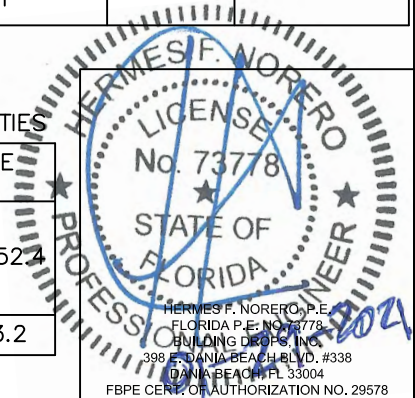
| FRAME SERIES | JAMB DEPTH | MAX. OPENING SIZE | | MATERIAL | |
|--------------|------------|-------------------|--------|-----------------|----------------------------------|
| | | WIDTH | HEIGHT | DESCR. | GA./MIN. THK |
| F | 5.75" NOM. | 8'0" | 8'0" | CRS/HRS GALV | 16/.053" 14/.067" 12/.099" |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

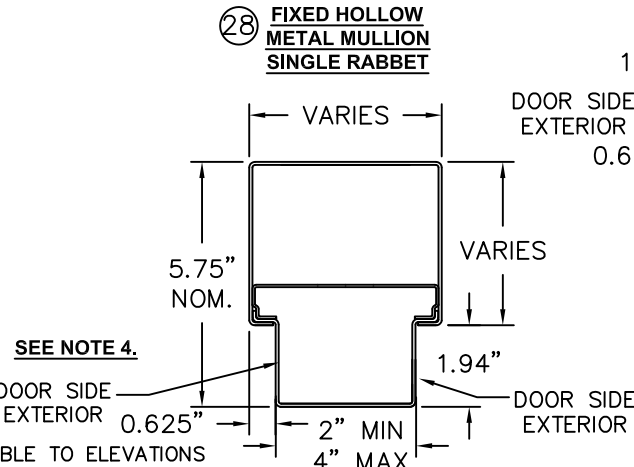
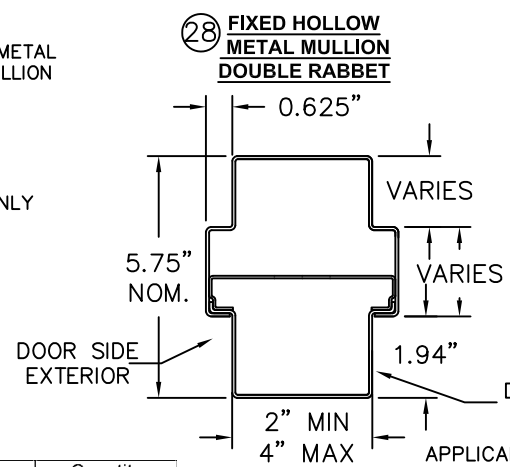
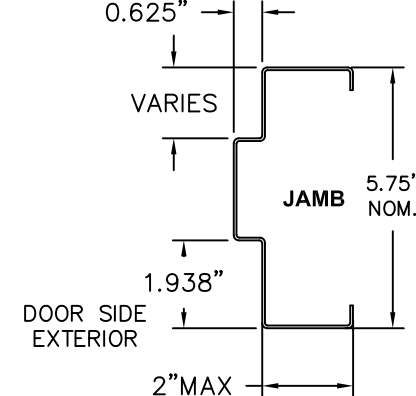
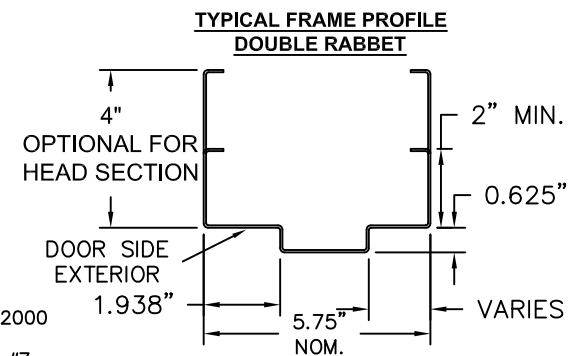
| CORE MATERIAL PER SHT.16 | MAXIMUM OPENING SIZE | | SKIN MATERIAL | |
|--|----------------------------|--------|-----------------|----------------------|
| | WIDTH | HEIGHT | DESCR. | GA./MIN. THK |
| HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED | VARIES SEE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

TABLE 7. STEEL MECHANICAL PROPERTIES

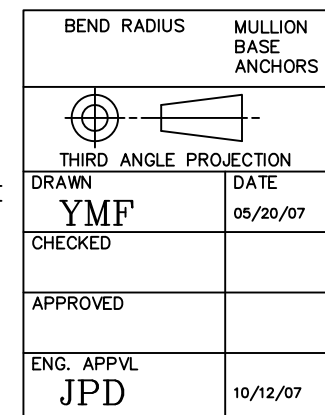
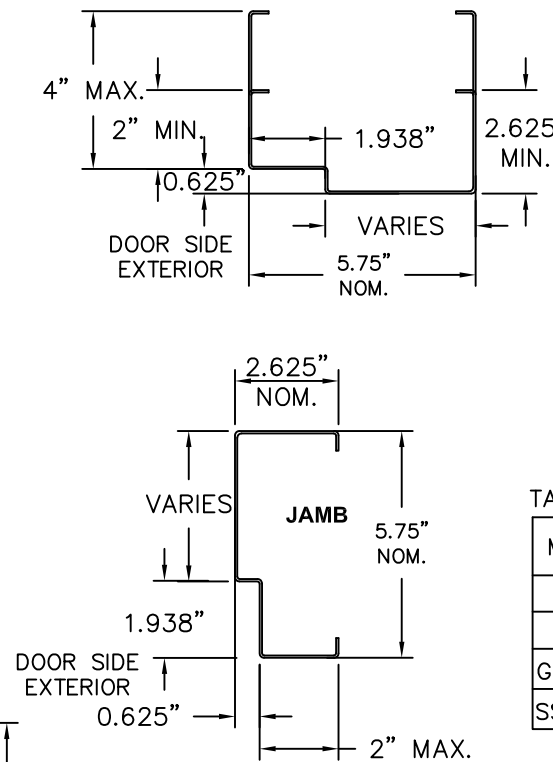
| MATERIAL | ASTM REF. | YIELD KSi | TENSILE KSi |
|-------------|-----------|-----------|-------------|
| CRS | A366 | MIN. 41.5 | MIN. 52.2 |
| HRS | A1011 | | |
| GALV: A60 | A924 | MIN. 41.5 | MIN. 73.2 |
| SS: 304,316 | A240 | | |



| Anchor | Embedment | Edge Distance | Conc. Strength | Spacing | Quantity |
|-------------------------|-----------|---------------|----------------|----------------------------|--|
| 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) |
| Powers 3/8" Power-Bolt | 2" | | 3000 psi | | |
| Powers 3/8" Lok Bolt AS | 1-1/4" | | | | |
| Hilti 3/8" Kwik Bolt 3 | 1-5/8" | | | | |
| Dewalt 3/8" Screw-Bolt+ | 2" | | | | |



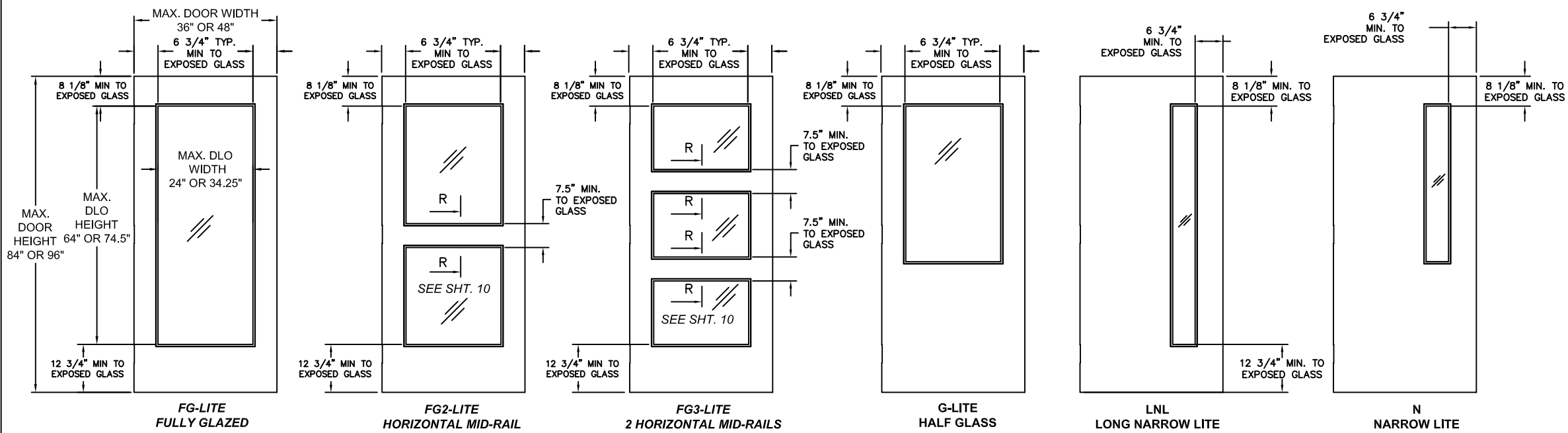
HOLLOW MULLION MATERIAL: MINIMUM THICKNESS IS 0.053" (16 Ga.)
MINIMUM YIELD STRENGTH = 58,000 PSI
MINIMUM TENSILE STRENGTH = 45,700 PSI



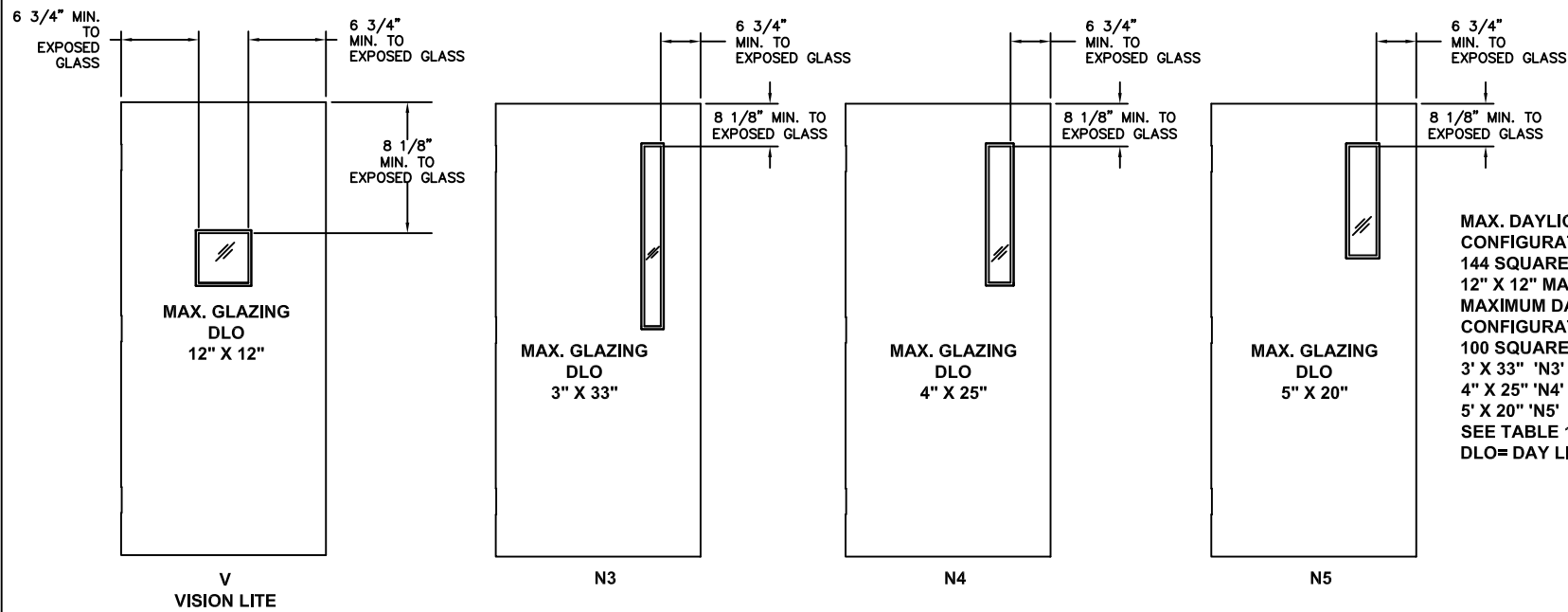
SCHLAGE LOCK COMPANY, LLC
11819 N. PENNSYLVANIA STREET
CARMEL, IN 46032

TITLE: STEELCRAFT H SERIES DOUBLE 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. | IRGD07 | REV | N |
| SCALE: | NTS | AUTOCAD | | SHEET | 9 of 20 |

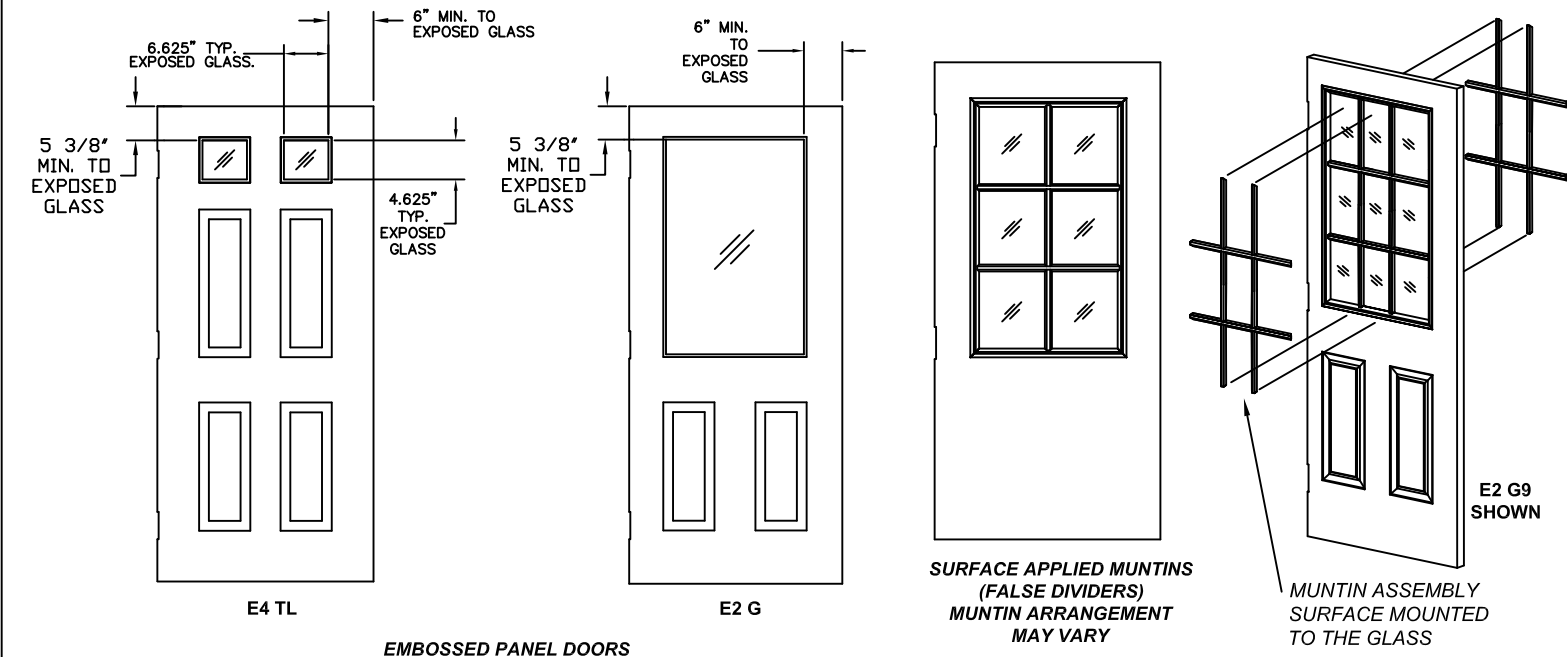


| R E V I S I O N S | | | | |
|-------------------|-------------|------------|------|----------|
| LTR | DESCRIPTION | | DATE | APPROVED |
| A | APPROVAL | DWG | YMF | 05/20/07 |
| B | REVISED | DWG | RAP | 11/26/07 |
| C | REVISED | DWG | RAP | 12/12/07 |
| D | REVISED | DWG | YMF | 12/15/08 |
| E | REVISED | PER_MDBCCO | YMF | 12/15/08 |
| F | REVISED | PER_MDBCCO | YMF | 01/04/10 |
| G | REVISED | PER_MDBCCO | YMF | 04/08/10 |
| H | REVISED | NAME | JPD | 11/01/13 |
| J | REVISED | DWG | JPD | 02/01/15 |
| K | REVISED | DWG | JPD | 05/05/15 |
| L | ENGINEER | CHANGE | LA | 03/14/17 |
| M | ADDRESS | UPDATE | SM | 02/27/20 |
| N | 2020 FBC | UPDATE | NUS | 07/07/20 |

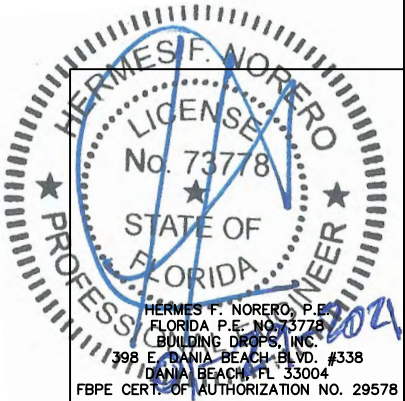


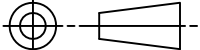
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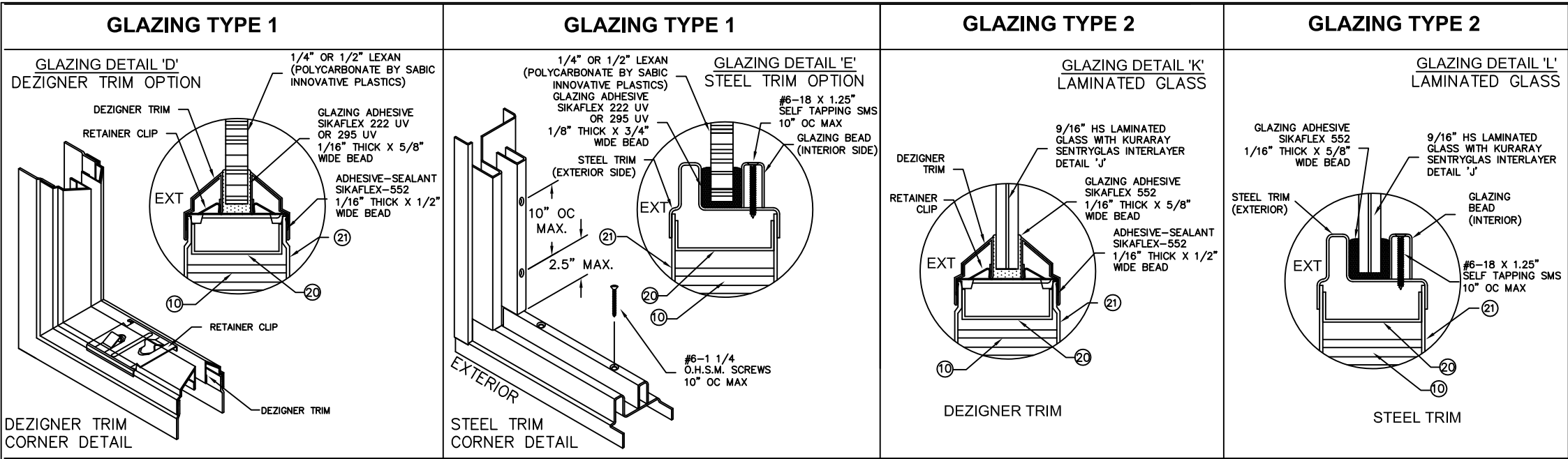
1. DOOR CONSTRUCTION
2. NOMINAL DOOR THICKNESS – 1 3/4"
3. ALL GLASS LITE TYPES SHOWN ON THIS SHEET ARE AVAILABLE FOR ALL DOOR CONFIGURATIONS SHOWN ON SHEET 1 AND TABLE 1 SHEET 2 EXCEPT FOR CONFIGURATIONS 3A AND 3B. SEE NOTE 4
4. DOOR CONFIGURATION 3A AVAILABLE WITH 'V' VISION LITE AND 3B IS AVAILABLE WITH N3, N4 AND N5 TYPE LITE. (SEE TABLE 1 SHEET 2)
5. MAXIMUM GLAZING DLO HEIGHT AND WIDTH AS PER SHEETS 1, 2, AND 10.
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 RAIL.
11. DLO = DAYLIGHT OPENING (SEE TABLE 1 SHEET 2 FOR LIMITATIONS)



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Miami-Dade Product Control

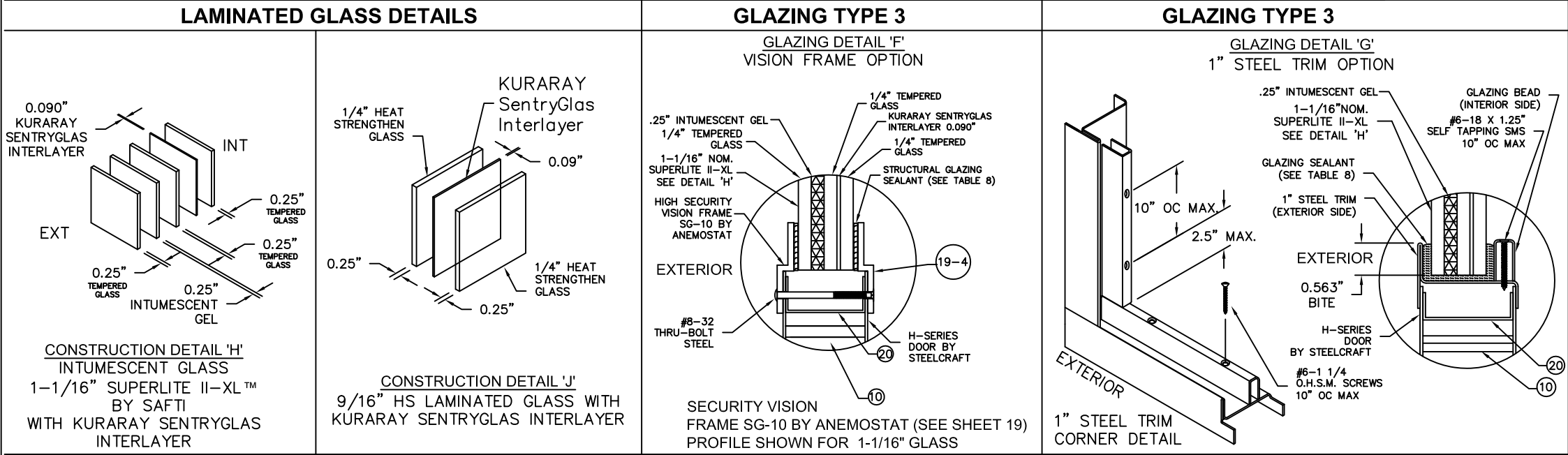


| | | | | | | | | |
|---|--|--|--|------------|---|-------------------|----------|----------------|
| BEND RADIUS | | SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032 | | | MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242 | | | |
|  | | | | | | | | |
| THIRD ANGLE PROJECTION | | TITLE: STEELCRAFT H SERIES DOUBLE 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. IRGD07 | REV N | |
| ENG. APPVL JPD | | 11/15/07 | | SCALE: NTS | | AUTOCAD | | SHEET 10 OF 20 |

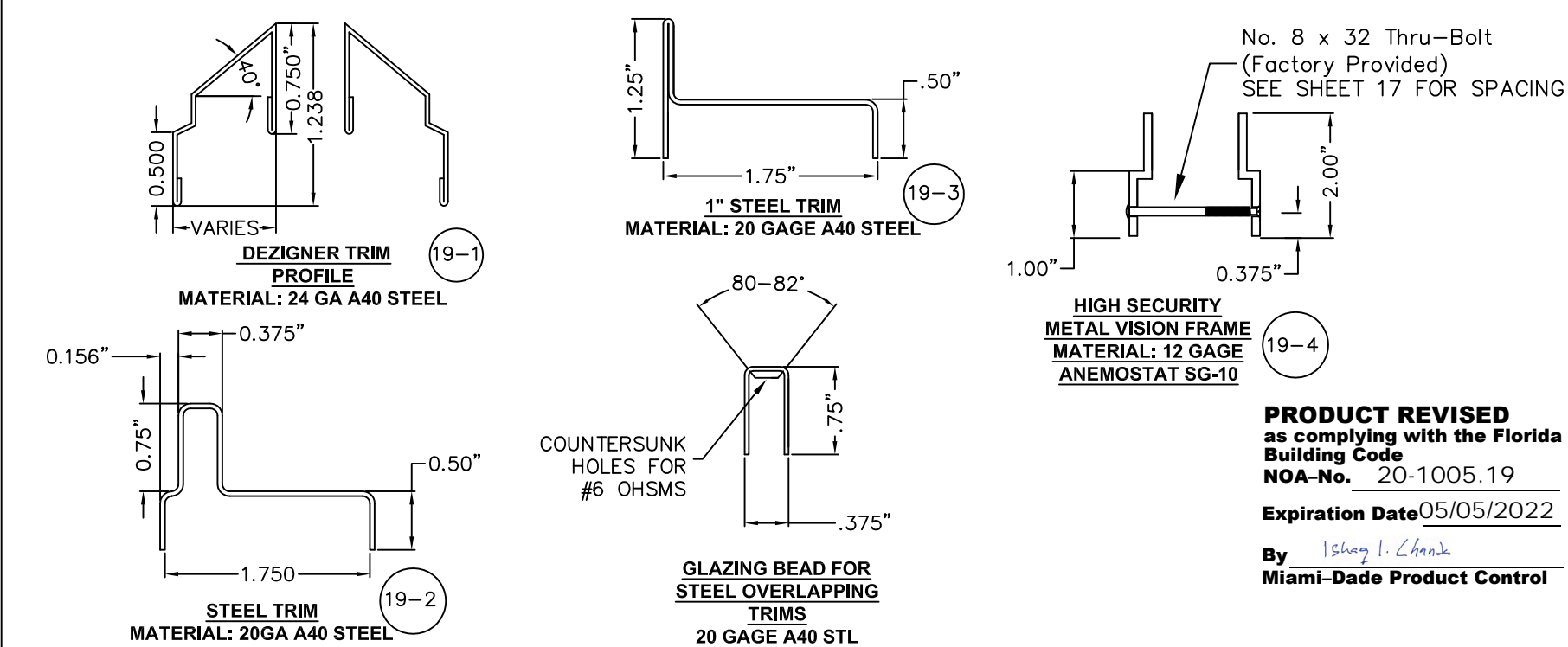


| R E V I S I O N S | | | | |
|-------------------|-------------|------------|------|----------|
| LTR | DESCRIPTION | | DATE | APPROVED |
| A | APPROVAL | DWG. | YMF | 05/20/07 |
| B | REVISED | DWG. | RAP | 11/26/07 |
| C | REVISED | DWG. | RAP | 12/12/07 |
| D | REVISED | DWG. | YMF | 12/15/08 |
| E | REVISED | PER_MDBCCO | YMF | 12/15/08 |
| F | REVISED | PER_MDBCCO | YMF | 01/04/10 |
| G | REVISED | PER_MDBCCO | YMF | 04/08/10 |
| H | REVISED | NAME | JPD | 11/01/13 |
| J | REVISED | DWG | JPD | 02/01/15 |
| K | REVISED | DWG | JPD | 05/05/15 |
| L | ENGINEER | CHANGE | LA | 03/02/17 |
| M | ADDRESS | UPDATE | SM | 02/27/20 |
| N | 2020 | FBC UPDATE | NUS | 07/07/20 |

TABLE 8.

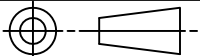


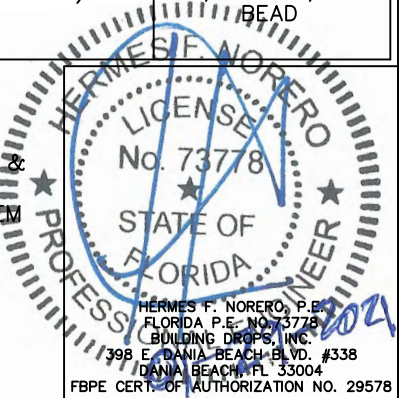
| GLAZING TYPES AND METHODS | | | |
|---------------------------|--|--|---|
| GLAZING TYPE | GLAZING MATERIAL | TRIM TYPE | GLAZING SEALANT |
| 1 | LEXAN BY SABIC INNOVATIVE PLASTICS 1/4\" OR 1/2\" DETAILS 'D' & 'E' | DESIGNER 1/2\" OR 1/4\" STEEL TRIM | SIKAFLEX 222UV OR 295UV 1/16\" X 5/8\" BEAD |
| 2 | 9/16\" HS LAMINATED GLASS WITH KURARAY SENTRYGLAS INTERLAYER DETAILS 'J', 'K' & 'L' | DESIGNER 1/2\" STEEL TRIM 1\" STEEL TRIM | SIKAFLEX 552 OR DOW CORNING 995/983 1/16\" X 5/8\" BEAD |
| 3 | 1-1/16\" SUPERLITE II-XL™ BY SAFTI WITH KURARAY SENTRYGLAS INTERLAYER and DETAILS 'H', 'F' & 'G' | 1\" STEEL TRIM (DETAIL 'G') SECURITY VISION FRAME SG-10 BY ANENEMOSTAT (DETAIL 'F') | SIKAFLEX 552 OR DOW CORNING 995/983 1/16\" X 5/8\" BEAD |

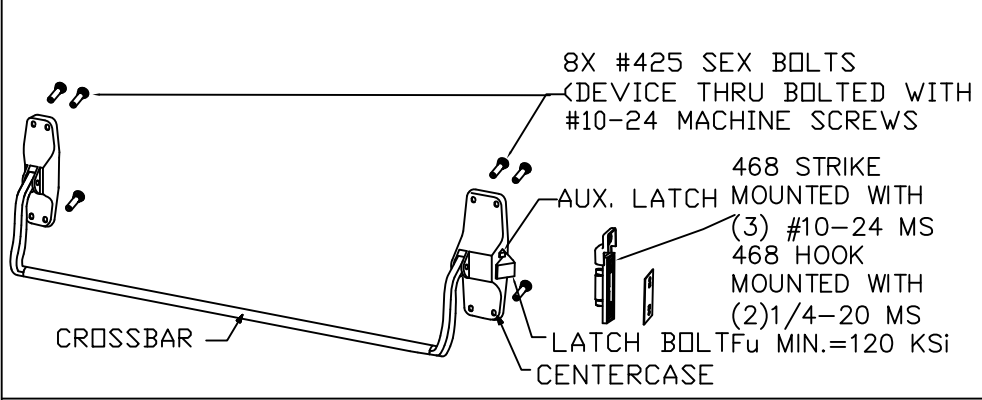


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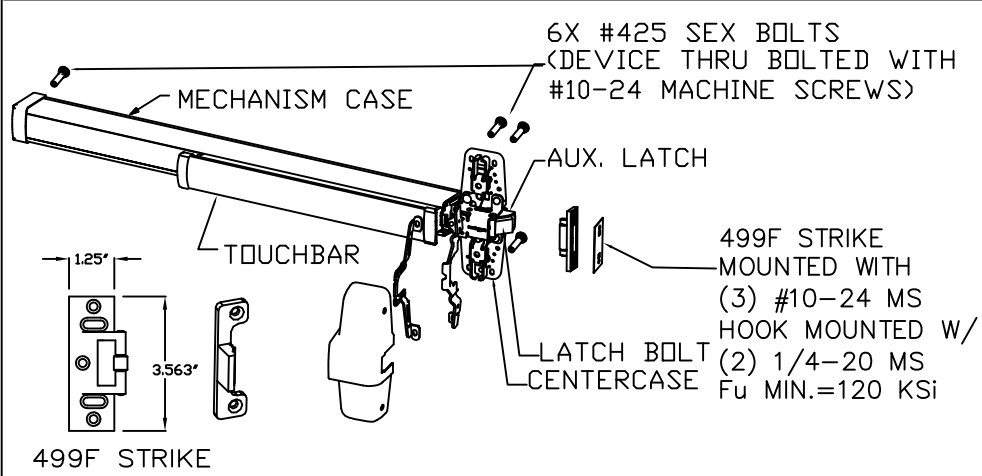
- SEE SHT.1 FOR ELEVATIONS, SHT.2 FOR SIZES AND SHT.9 FOR DOOR & FRAME MATERIAL SPECIFICATIONS.
- SEE SHTS. 4 & 20 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM AND REQUIREMENTS, AND SHEETS 9 & 13 FOR MULLION ANCHORING.
- SEE SHT. 9 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
- APPROVED HARDWARE ON SHEETS 1, 2, 3, 5, 6, 12-15, AND 19
- HARDWARE TO BE INSTALLED PER MANUFACTURER'S 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> <div>THIRD ANGLE PROJECTION</div> | | | | |
| DRAWN YMF | | TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOOR WITH AND WITHOUT PANIC EXIT DEVICES GLASS TRIM OPTIONS. | | |
| CHECKED | | | | |
| DATE 05/20/07 | | SIZEFLATDWG NO. IRGD07REV N | | |
| APPROVED | | | | |
| ENG. APPVL JPD | | SCALE: NTS AUTOCAD SHEET 11 of 20 | | |

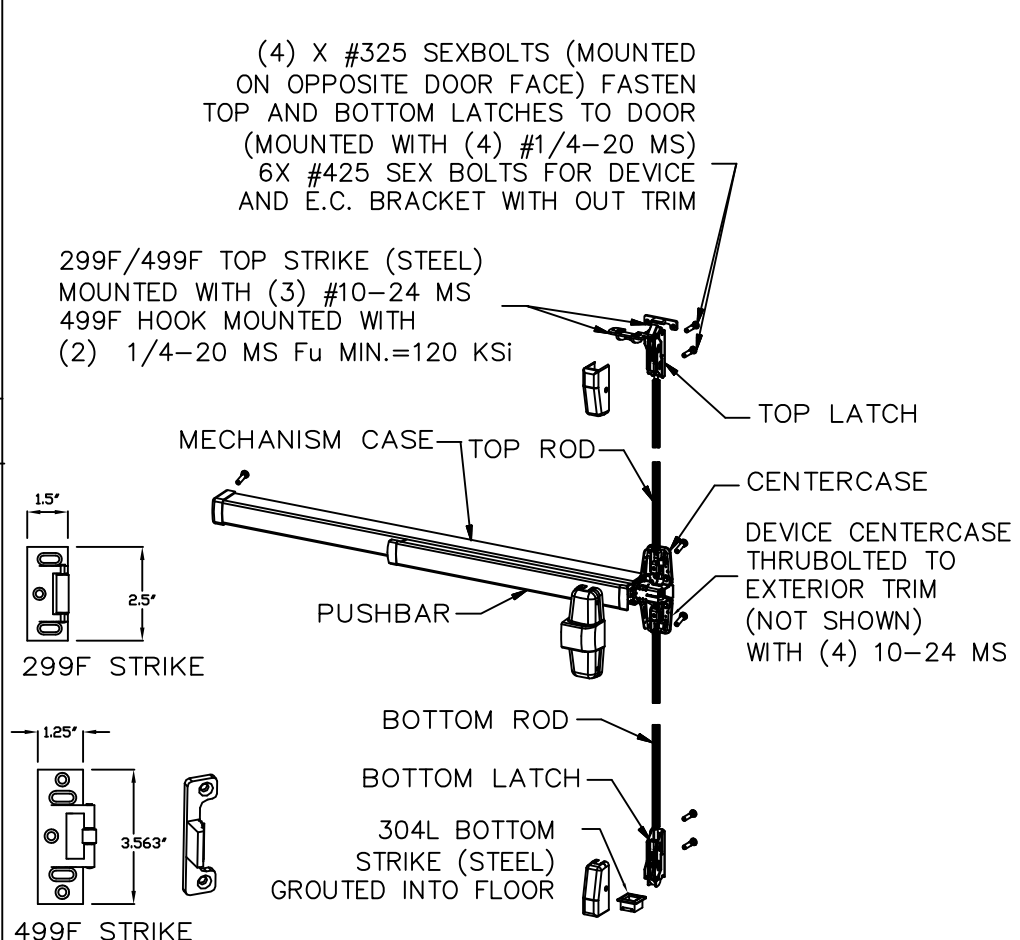




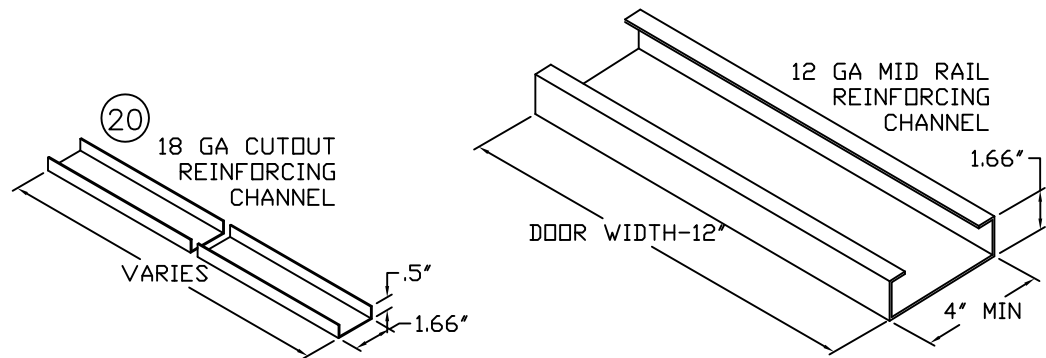
VON DUPRIN 88-F RIM DEVICE, USED IN CONFIGURATIONS: 1 & 2



VON DUPRIN 98, 99, 98-F, 99-F RIM DEVICE
USED IN CONFIGURATIONS: 1 & 2



VON DUPRIN 98/9927(F) SURFACE VERTICAL ROD DEVICE
USED IN CONFIGURATIONS: 4

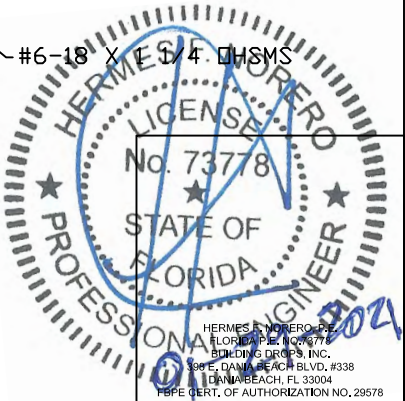
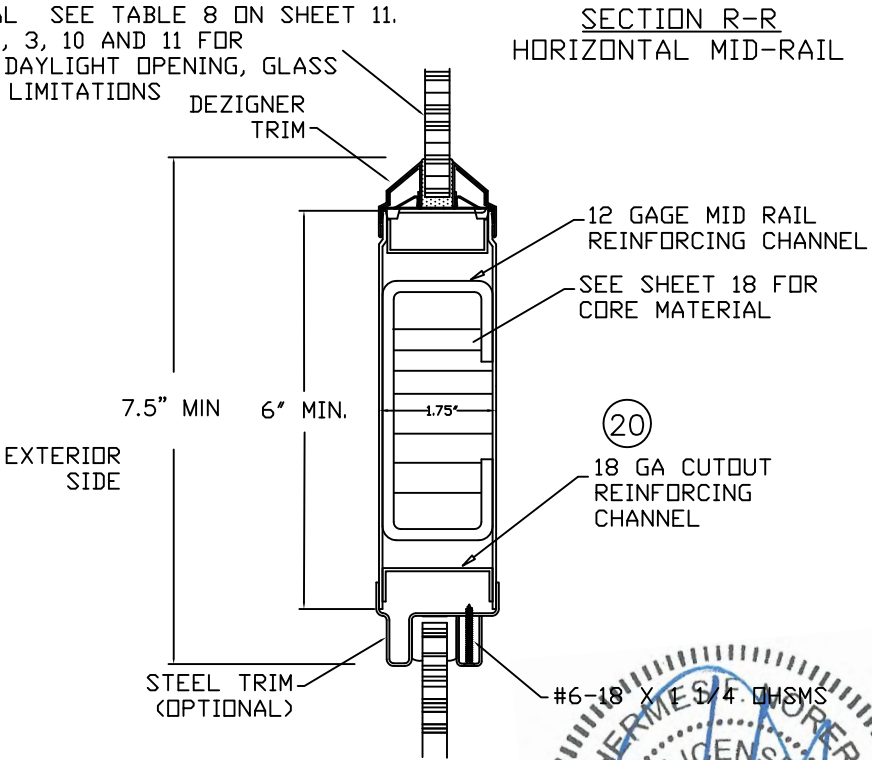


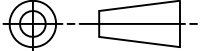
NOTES:
1. ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL.
2. EXIT HARDWARE OPTIONS:
FOR 98/99 & XP98/99 SERIES - OPTIONS E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 88-F SERIES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

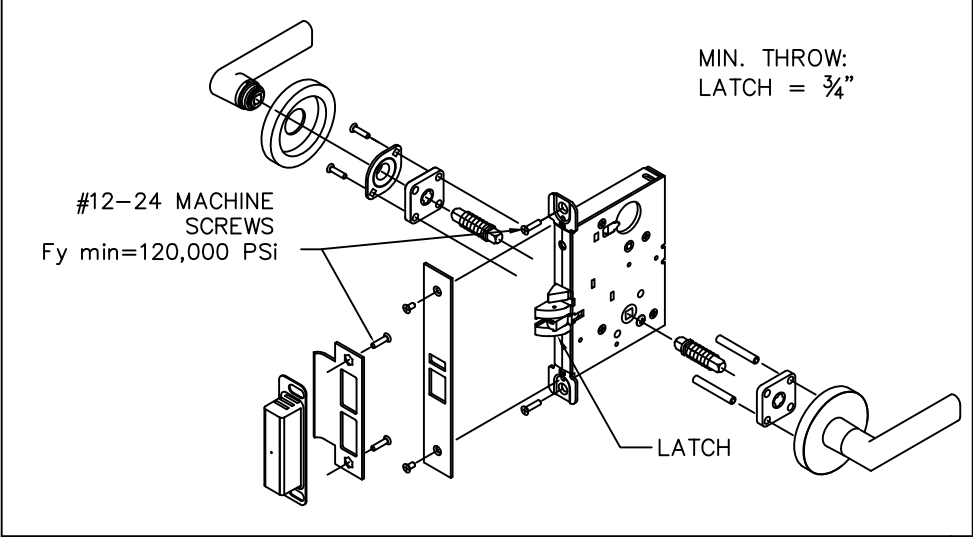
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.19
Expiration Date 05/05/2022
By Ishag I. Chande
Miami-Dade Product Control

| R E V I S I O N S | | | | |
|-------------------|--------------------|-----|----------|----------|
| LTR | DESCRIPTION | | DATE | APPROVED |
| A | APPROVAL DWG | YMF | 05/20/07 | |
| C | REVISED DWG | RAP | 12/14/07 | |
| D | REVISED DWG | YMF | 12/14/08 | |
| E | REVISED PER_MDBCCD | YMF | 02/05/09 | |
| F | REVISED PER_MDBCCD | YMF | 01/04/10 | |
| G | REVISED PER_MDBCCD | YMF | 04/08/10 | |
| H | REVISED NAME | JPD | 11/01/13 | |
| J | REVISED DWG | JPD | 02/01/15 | |
| K | REVISED DWG | JPD | 05/05/15 | |
| L | ENGINEER CHANGE | LA | 03/02/17 | |
| M | ADDRESS CHANGE | JPD | 01/10/20 | |
| N | 2020 FBC UPDATE | NUS | 07/07/20 | |

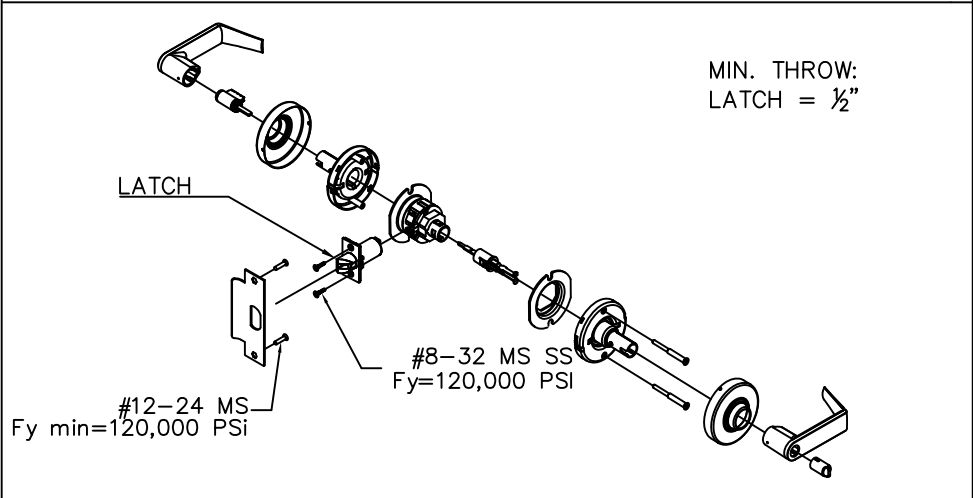
GLAZING MATERIAL SEE TABLE 8 ON SHEET 11.
SEE SHEETS 1, 2, 3, 10 AND 11 FOR
INFORMATION ON DAYLIGHT OPENING, GLASS
TYPES AND SIZE LIMITATIONS



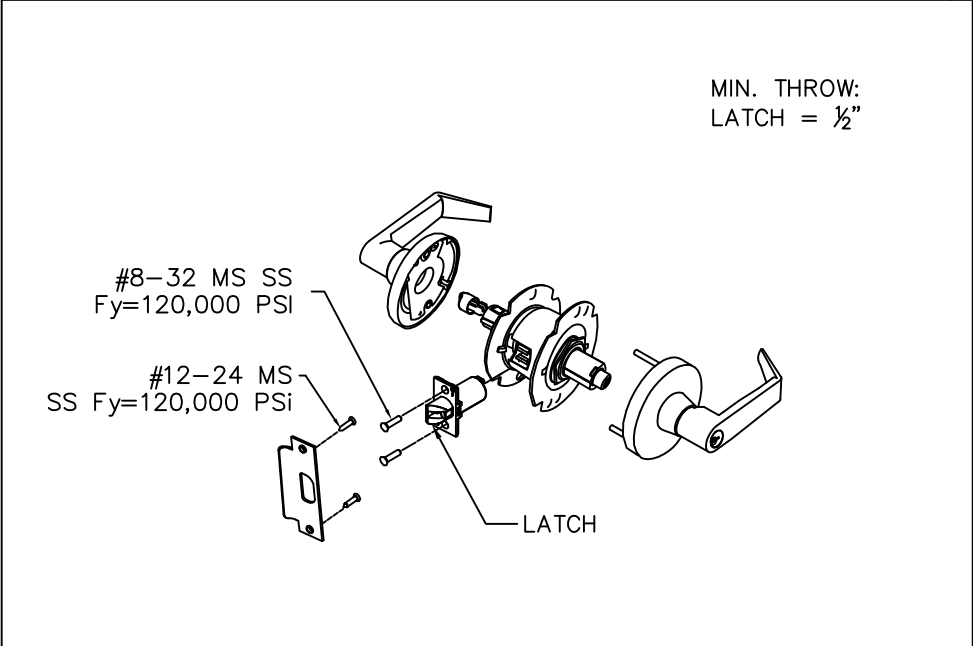
| | | | | | | | | | |
|--|--|--|--|---------------------------------------|--|------|-------------------|--|----------------|
| BEND RADIUS | | <div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div> <div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div> | | | | | | | |
| <div></div> | | | | | | | | | |
| THIRD ANGLE PROJECTION | | TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES | | | | | | | |
| DRAWN YMF | | DATE 05/20/07 | | EXIT HARDWARE FOR GLASS DOUBLE DOORS. | | | | | |
| CHECKED | | CDATE | | | | | | | |
| APPROVED | | ADATE | | SIZE | | FLAT | DWG NO. IRGD07 | | REV N |
| ENG. APPVL JPD | | EDATE 11/15/07 | | SCALE: | | NTS | AUTOCAD | | SHEET 12 OF 20 |



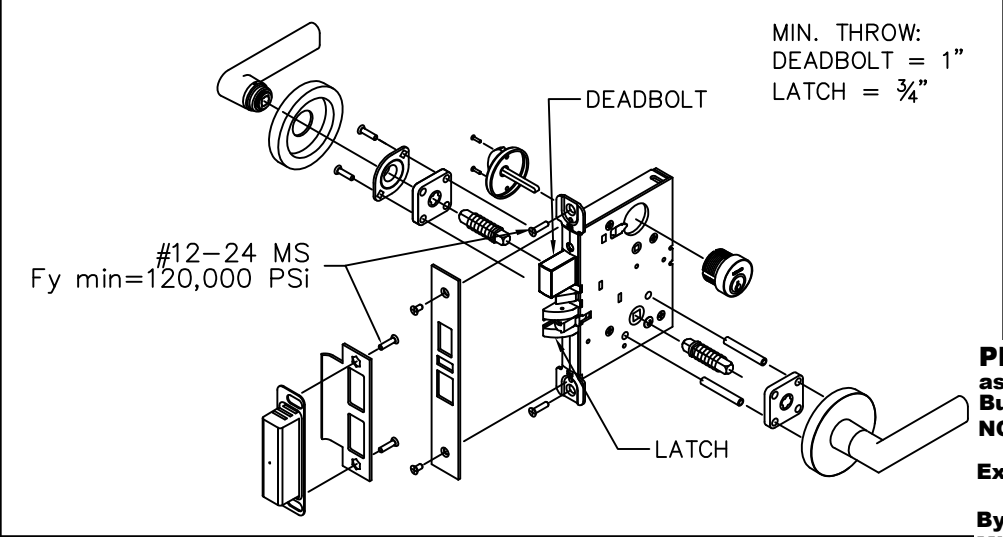
SCHLAGE L/LV 9000 SERIES MORTISE LOCKSET W/O DEADBOLT
USED IN CONFIGURATIONS: 10



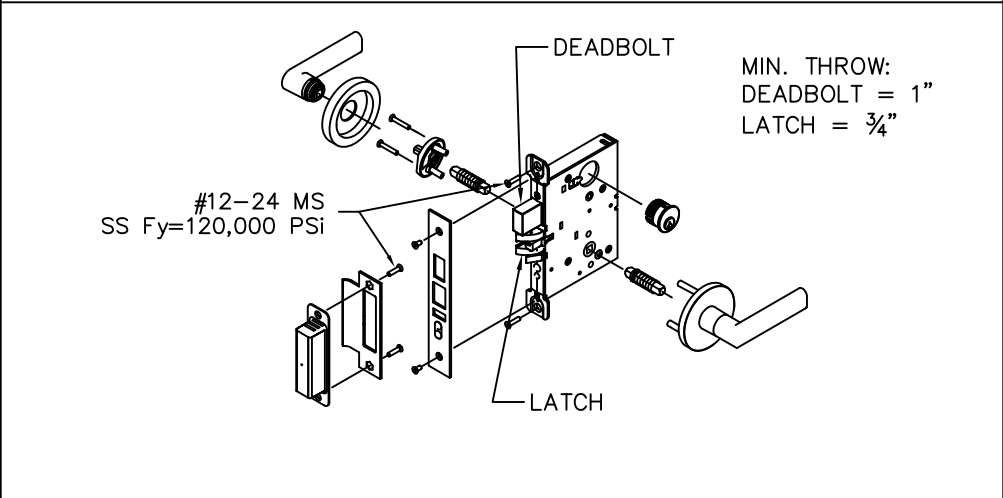
SCHLAGE D/ND-SERIES CYLINDRICAL LEVER LOCKSET
(MIN. 1/2" THROW LATCH). USED IN CONFIGURATIONS: 11



FALCON, T-SERIES CYLINDRICAL LEVER LOCKSET
(MIN. 1/2" THROW LATCH). USED IN CONFIGURATIONS: 11



SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET W/ DEADBOLT
USED IN CONFIGURATIONS: 10



FALCON MA-SERIES MORTISE LOCKSET W/ DEADBOLT SHOWN
USED IN CONFIGURATIONS: 10

NOTE:

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

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 DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES

HARDWARE FOR GLASS DOUBLE DOORS.

SIZE

FLAT

DWG NO.

IRGD07

REV

N

SCALE:

NTS

AUTOCAD

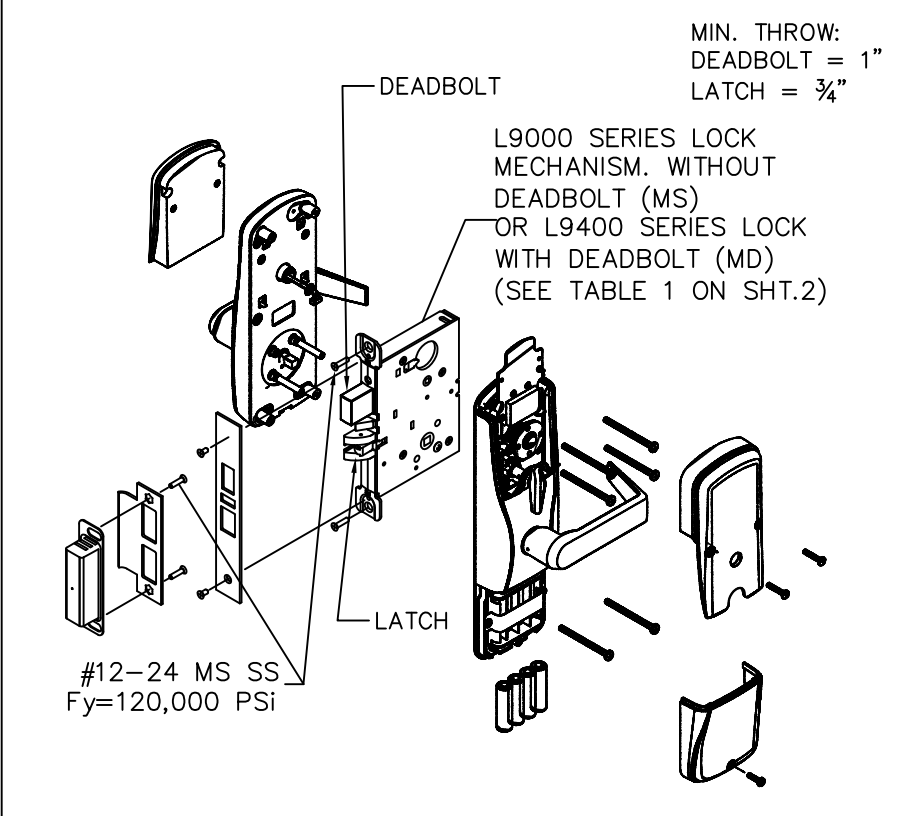
SHEET

14 of 20

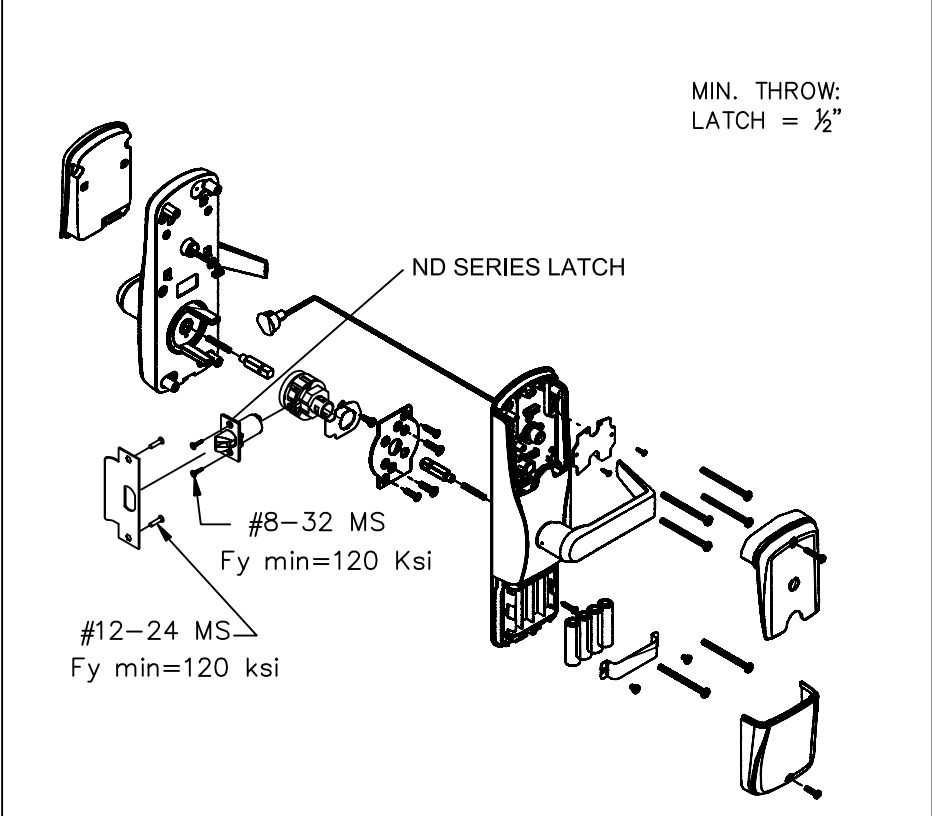
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By Ishaq I. Chande
Miami-Dade Product Control

| 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 | 12/14/07 | |
| D | REVISED | DWG | YMF | 12/14/08 | |
| E | REVISED | PER_MDBCCO | YMF | 02/05/09 | |
| F | REVISED | DWG | YMF | 12/18/09 | |
| G | REVISED | PER_MDBCCO | YMF | 04/08/10 | |
| H | REVISED | NAME | JPD | 11/01/13 | |
| J | REVISED | DWG | JPD | 02/01/15 | |
| K | REVISED | DWG | JPD | 05/05/15 | |
| L | ENGINEER | CHANGE | LA | 03/14/17 | |
| M | ADDRESS | UPDATE | SM | 02/27/20 | |
| N | 2020 FBC | UPDATE | NUS | 07/07/20 | |

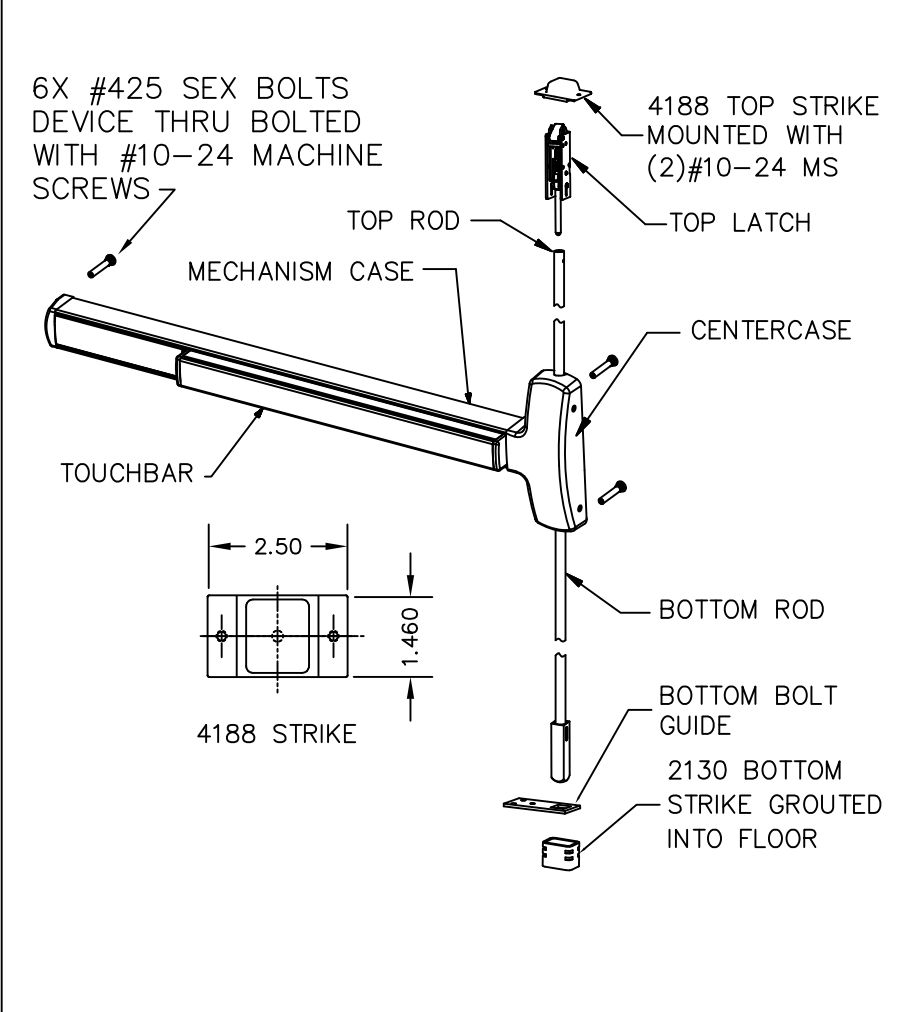




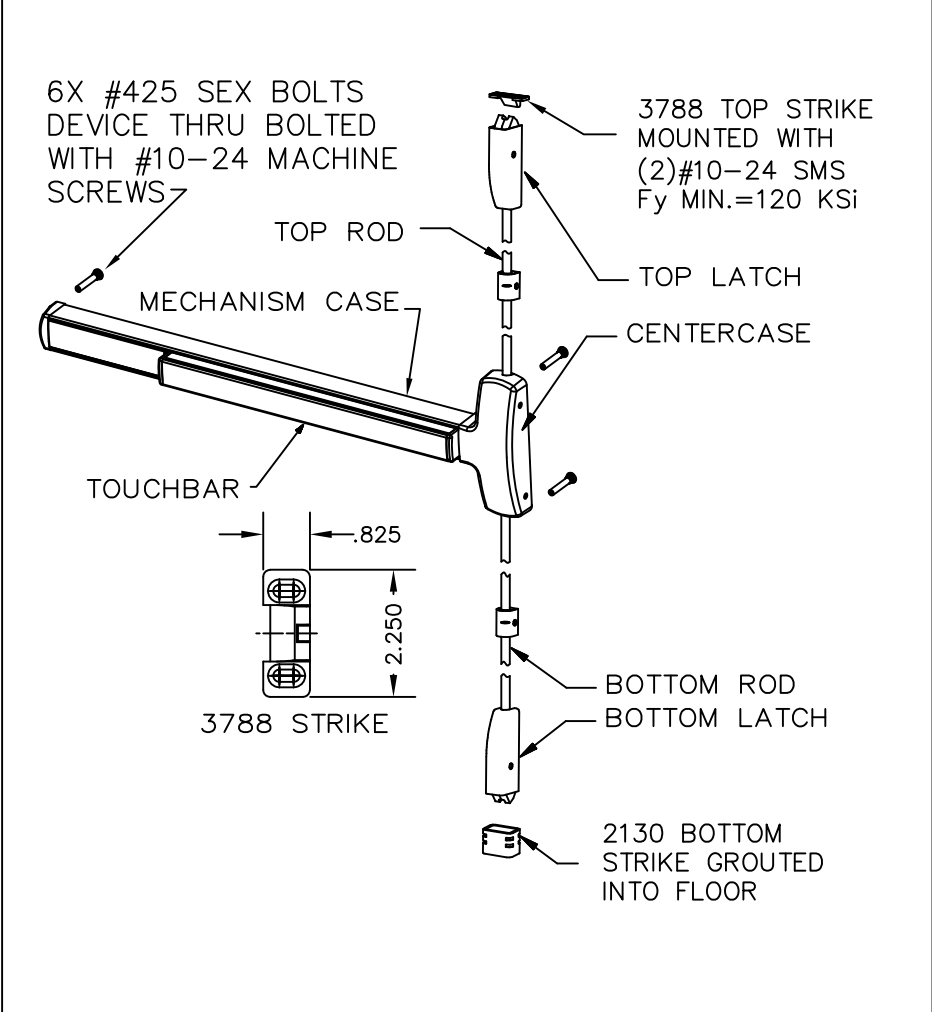
SCHLAGE AD/CO MD OR MS SERIES MORTISE LOCKSET
USED IN CONFIGURATIONS: 10 (SEE SHT. 1)



SCHLAGE AD/CO CY SERIES CYLINDRICAL LOCKSET
USED IN CONFIGURATIONS: 11 (SEE SHT.1)



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



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

| R E V I S I O N S | | | | |
|-------------------|---------------------------|----------|----------|--|
| LTR | DESCRIPTION | DATE | APPROVED | |
| F | ADDED | 12/18/09 | | |
| G | REVISED_PER_MDBCCO | 04/08/10 | | |
| H | REVISED_NAME | 11/01/13 | | |
| J | REVISED | 05/05/15 | | |
| L | ENGINEER CHANGE LA | 03/14/17 | | |
| M | ADDRESS CHANGE JPD | 01/10/20 | | |
| N | 2020 FBC UPDATE NUS | 07/07/20 | | |

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

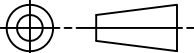
NOTE: ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART
OF THIS APPROVAL AND TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL.

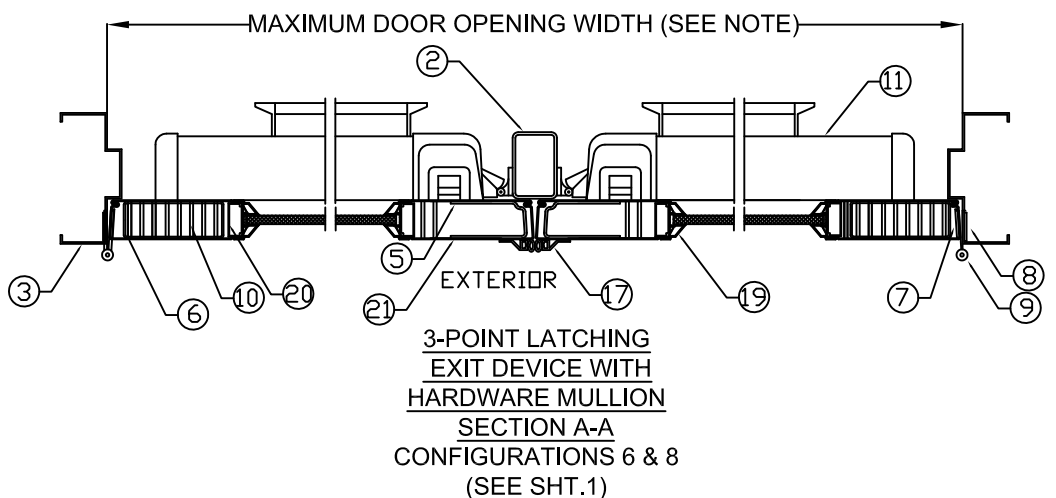
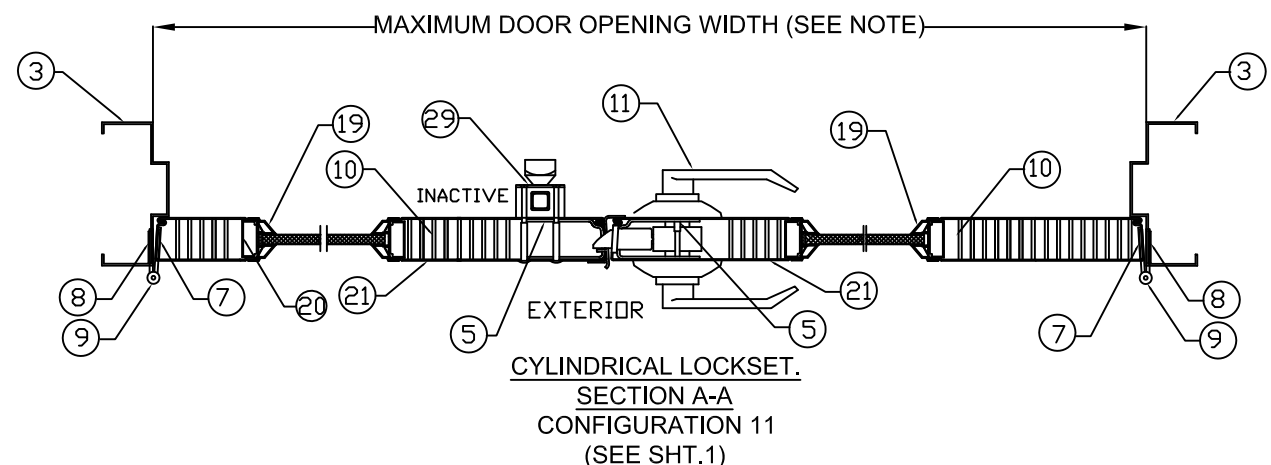
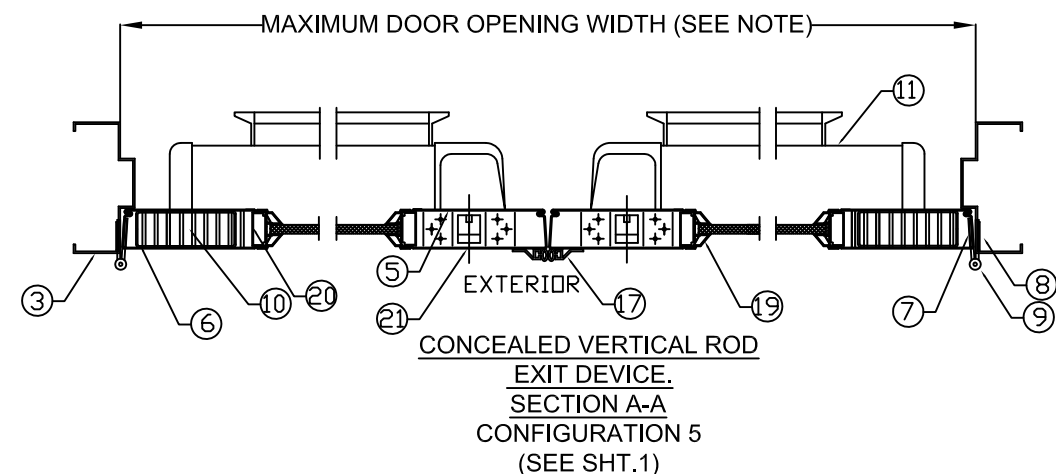
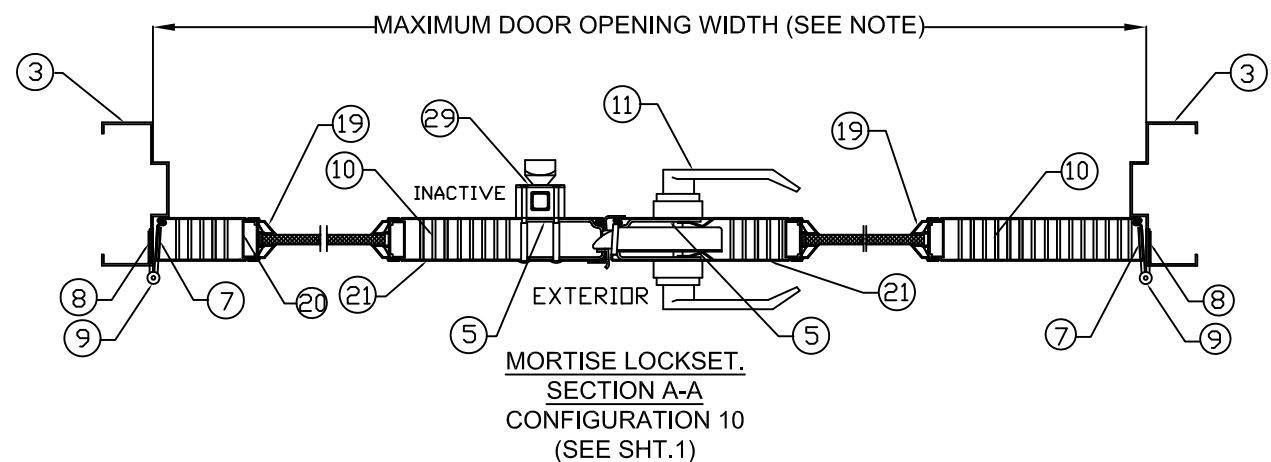
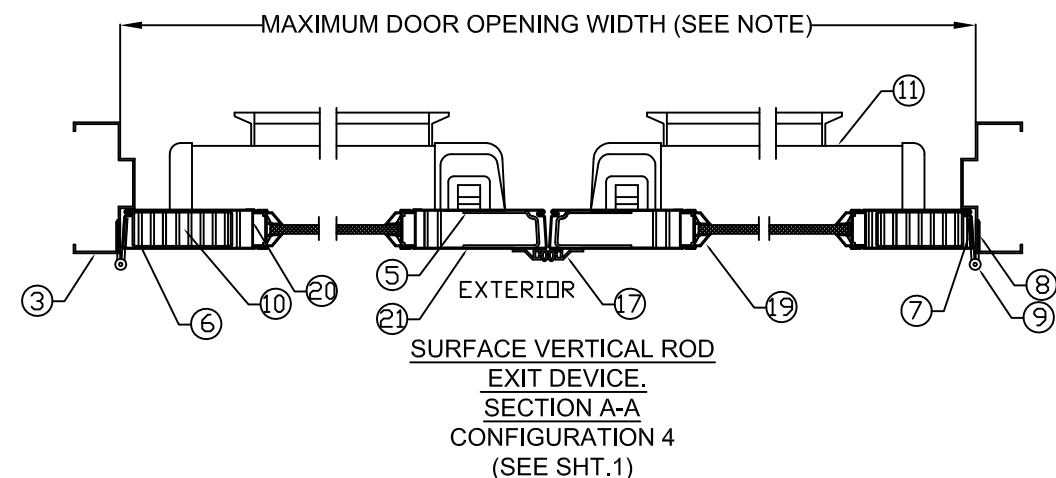
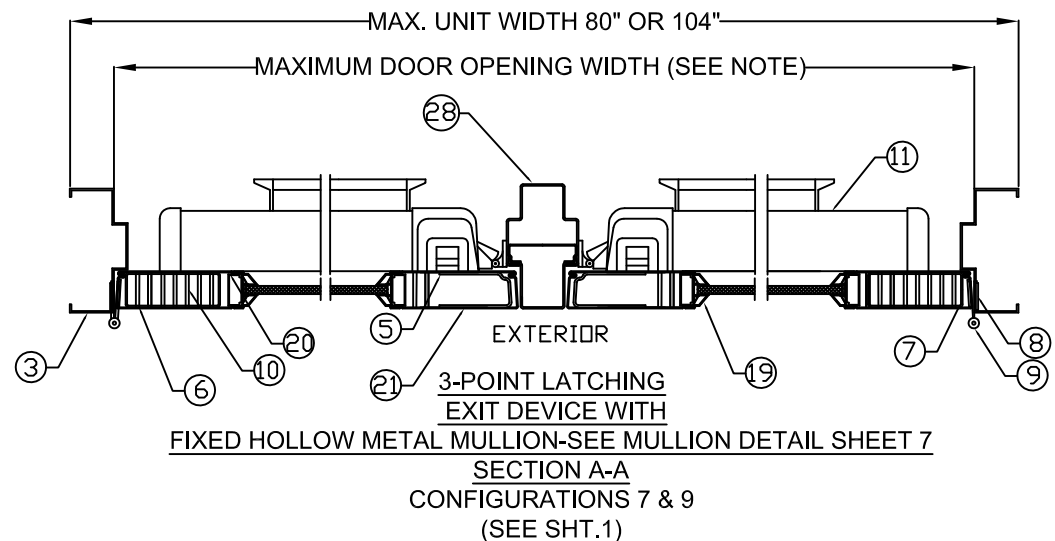
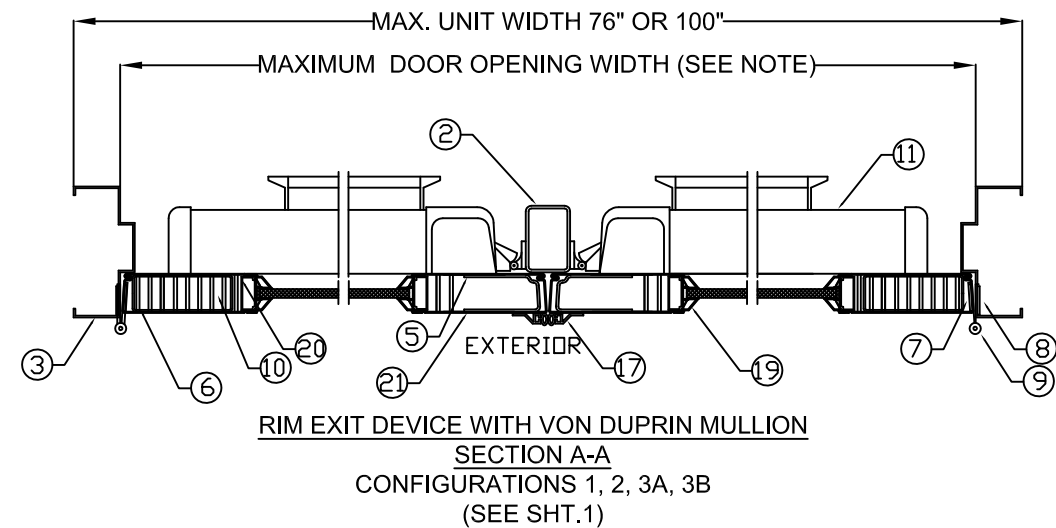
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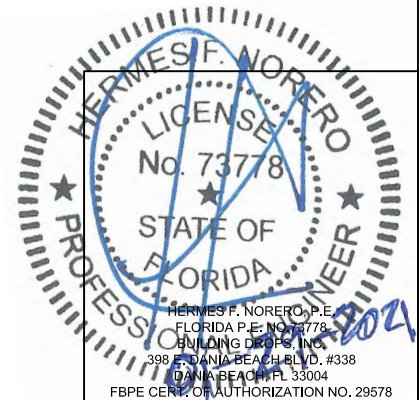
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|--|--|--|--------|----------------------------------|---|---------|--------|----------------|----------|
| BEND RADIUS | | <div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div> | | | <div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div> | | | | |
| <div></div> | | | | | | | | | |
| THIRD ANGLE PROJECTION | | TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES | | | | | | | |
| DRAWN YMF | | DATE 05/20/07 | | HARDWARE FOR GLASS DOUBLE DOORS. | | | | | |
| CHECKED | | | | | | | | | |
| APPROVED | | SIZE | FLAT | | DWG NO. | | IRGD07 | | REV N |
| ENG. APPVL JPD | | 11/15/07 | SCALE: | NTS | | AUTOCAD | | SHEET 15 of 20 | |

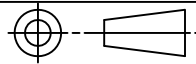


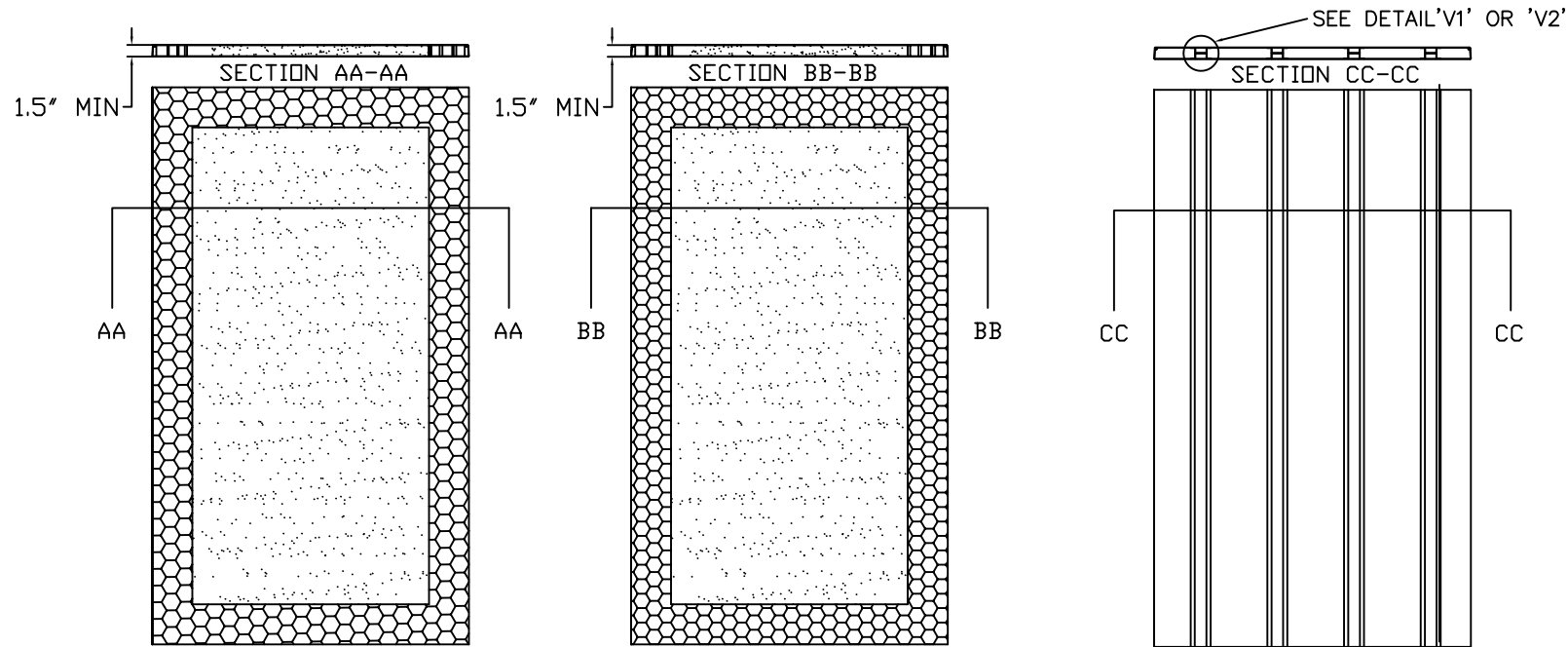
NOTES:
 1. FOR MAXIMUM DOOR OPENING AND GLASS (GLD) SIZE, SEE TABLE 1 ON SHEET 2 AND SHEET 10 FOR LIMITATIONS.
 2. GLAZING DETAIL K SHOWN, SEE TABLE 8 ON SHEET 11 FOR ADDITIONAL OPTIONS AND SHEET 10 FOR LIMITATIONS
 3. SEE SHEETS 4 & 20 FOR ANCHOR INSTALLATION AND SILL INSTALLATION DETAILS, AND SHEETS 9 & 13 FOR MULLION ANCHOR INSTALLATION.

| 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 | 12/14/07 |
| D | REVISED | DWG | YMF | 12/14/08 |
| E | REVISED | PER_MDBCCD | YMF | 02/05/09 |
| F | REVISED | NEW_NUMBER | YMF | 01/04/10 |
| G | REVISED | PER_MDBCCD | YMF | 04/08/10 |
| H | REVISED | NAME | JPD | 11/01/13 |
| J | REVISED | DWG | JPD | 02/01/15 |
| K | REVISED | DWG | JPD | 05/05/15 |
| L | ENGINEER | CHANGE | LA | 03/14/17 |
| M | ADDRESS | UPDATE | SM | 02/27/20 |
| N | 2020 FBC | UPDATE | NUS | 07/07/20 |

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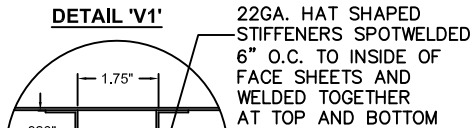


| | | | | | |
|--|--|---|--|---|--|
| BEND RADIUS  | | SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032 | | MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242 | |
| THIRD ANGLE PROJECTION DRAWN YMF CHECKED | | DATE 05/20/07 | | TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES. | |
| APPROVED | | SIZE | | DWG NO. | |
| ENG. APPVL JPD | | 11/15/07 | | IRGD07 | |
| SCALE: NTS | | AUTOCAD | | SHEET 16 OF 20 | |

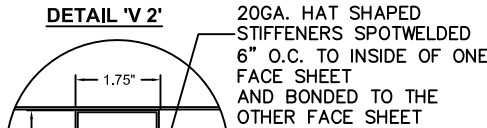


(A) EXPANDED POLYSTYRENE FOAM BY ATLAS EPS DENSITY: 1.0 LBS/FT³

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



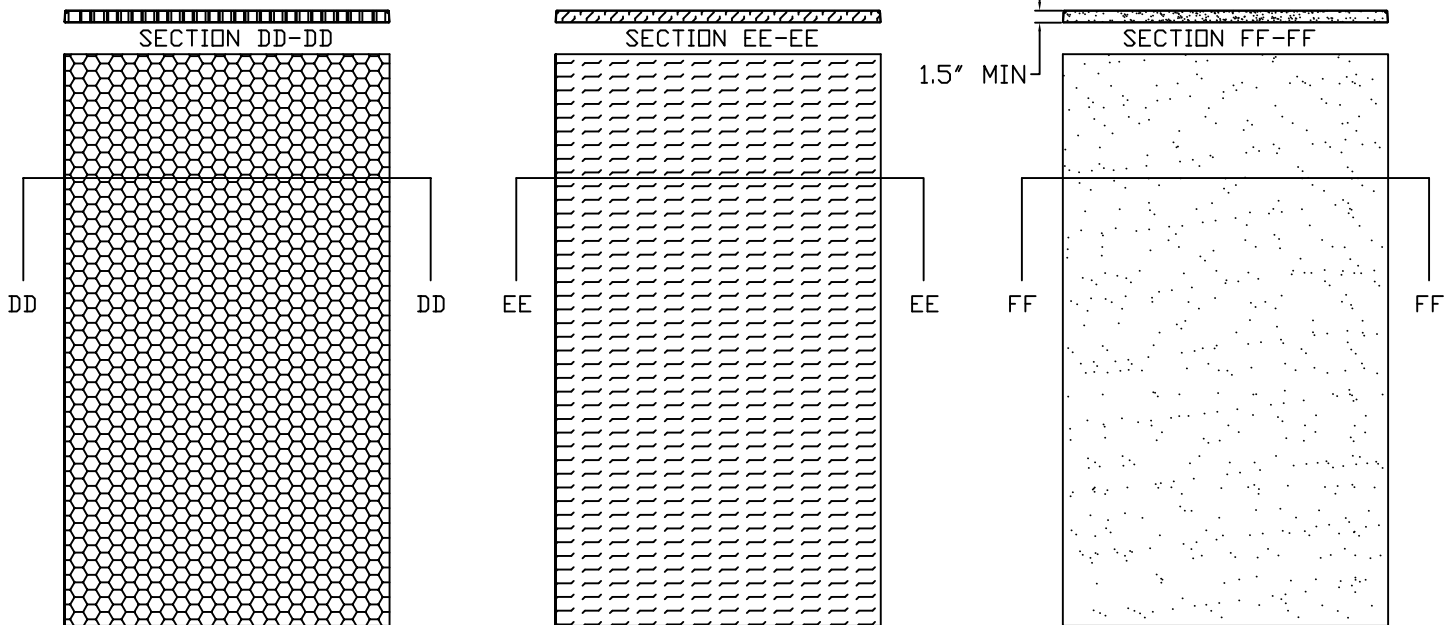
SECTION CC-CC



SECTION CC-CC

(C) STEEL STIFFENED HAT SHAPED SECTIONS

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(D) HONEYCOMB KRAFT PAPER.

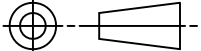
(E) TEMPERATURE RISE CORE MINERAL FIBER BOARD DENSITY: 17±1.5 LBS/FT³ PYROPHOBIC PSL P25C-60 CORE OR MARSHFIELD DOOR SYSTEMS CALCIUM SILICATE MINERAL CORE

(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

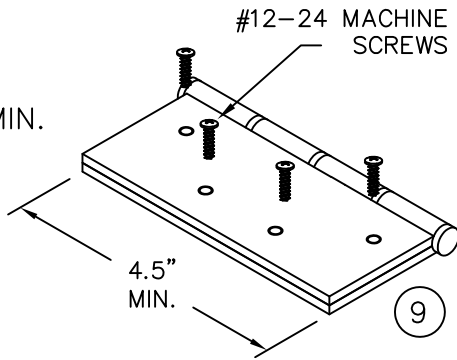
NOTES:
1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS

| 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 | |
| L | ENGINEER CHANGE | LA | 03/14/17 | |
| M | ADDRESS UPDATE | SM | 02/27/20 | |
| N | 2020 FBC UPDATE | NUS | 07/07/20 | |



| | | | | | | |
|---|------------------|---|------|-------------------|---|--|
| BEND RADIUS | | SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032 | | | MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242 | |
|  | | | | | | |
| THIRD ANGLE PROJECTION | | TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES DOOR CORE OPTIONS | | | | |
| DRAWN JPD | DATE 02/03/14 | | | | | |
| CHECKED | | | | | | |
| APPROVED | | SIZE | FLAT | DWG NO. IRGD07 | REV N | |
| ENG. APPVL | | SCALE: | NTS | AUTOCAD | SHEET 18 of 20 | |

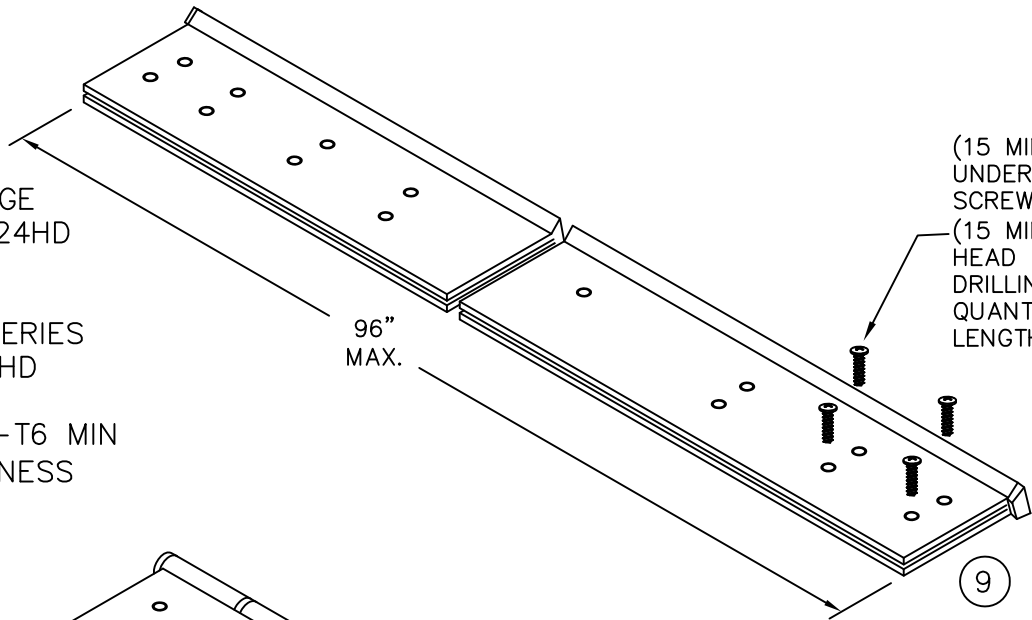
STEEL BUTT HINGE
IVES 5BB1/3CB1
STANLEY FBB179/1900
HAGER BB1279
4.5" X 4.5" STD. WT. MIN.
.134" MIN. THICKNESS
Fy MIN. = 36ksi



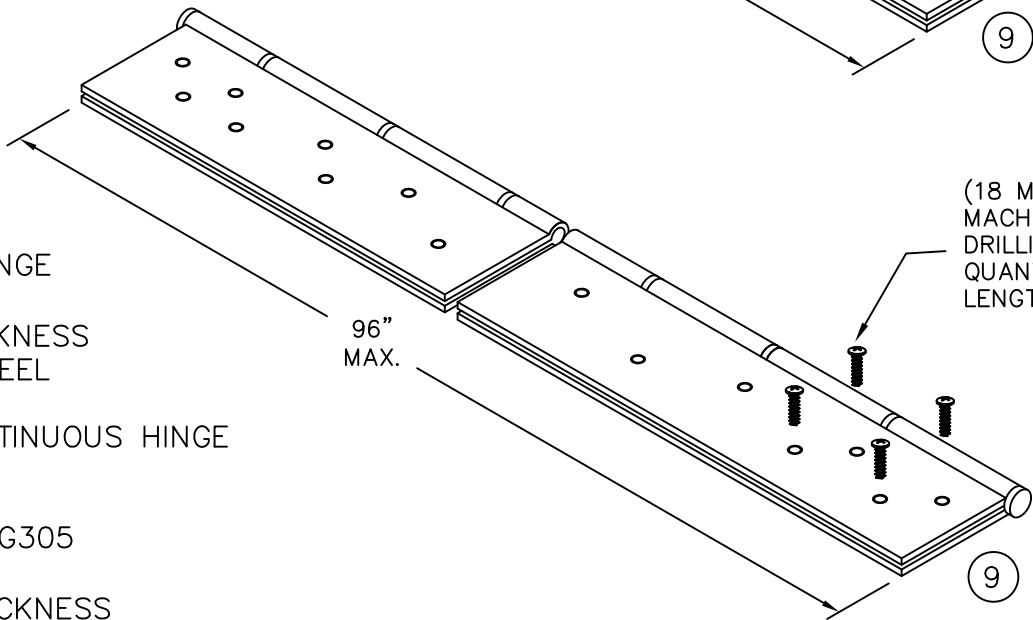
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By Ishaq I. Chande
Miami-Dade Product Control

| R E V I S I O N S | | | | |
|-------------------|-----------------|-----|----------|----------|
| LTR | DESCRIPTION | | DATE | APPROVED |
| A | APPROVAL DWGS. | | 11/01/13 | |
| B | REVISED DWG. | | 02/01/15 | |
| C | REVISED DWG. | | 05/05/15 | |
| L | ENGINEER CHANGE | LA | 03/14/17 | |
| M | ADDRESS UPDATE | SM | 02/27/20 | |
| N | 2020 FBC UPDATE | NUS | 07/07/20 | |

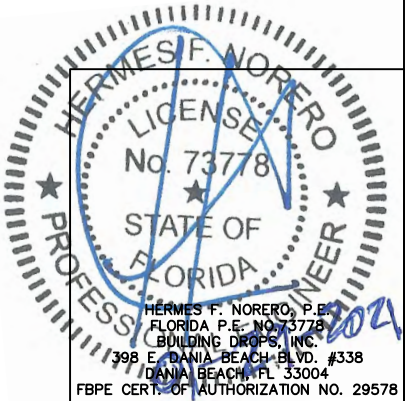
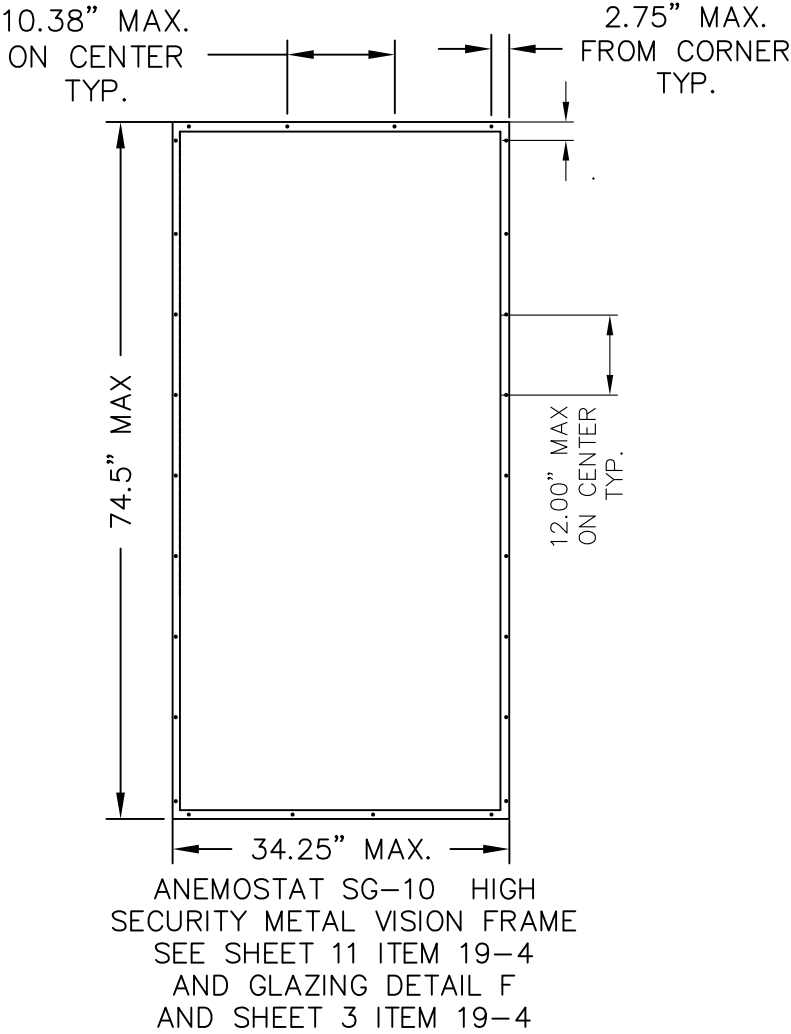
CONTINUOUS HINGE
IVES 112HD & 224HD
STANLEY 661HD
SELECT SL11HD
PEMCO FM_HD SERIES
HAGER 780-224HD
ABH A240HD
ALUMINUM 6036-T6 MIN
.110" MIN. THICKNESS

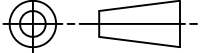


STEEL CONTINUOUS HINGE
IVES 600
.075 (14GA) MIN. THCKNESS
1012 COLD ROLLED STEEL
Fy MIN. 45ksi
STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
HAGER 790-900
MARKAR FM-300 & HG305
ABH A500
.075" (14GA) MIN. THICKNESS
304 STAINLESS STEEL
Fy MIN. 31ksi

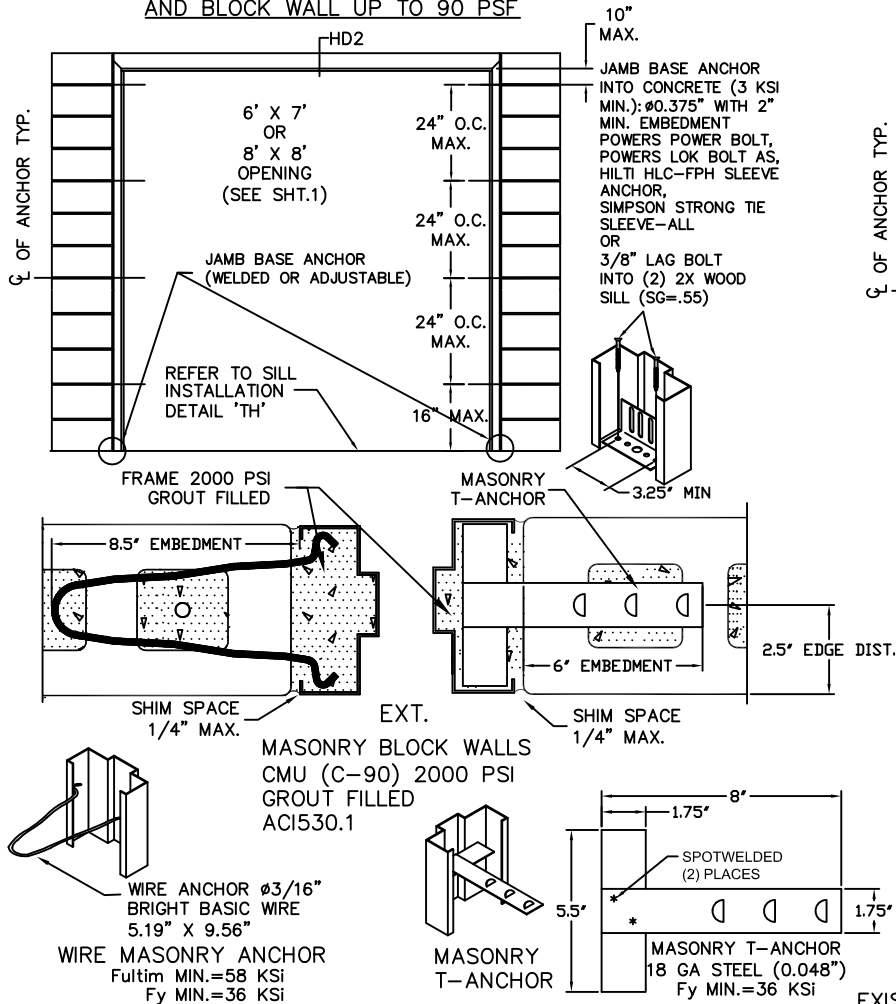


CONTINUOUS HINGE NOTES:
1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH,
MANUFACTURER AND MODEL NUMBER
2. SCREW SPACING VARIES PER HINGE LENGTH,
MANUFACTURER AND MODEL NUMBER
3. INSTALL HINGES PER THE MANUFACTURERS INSTALLATION
INSTRUCTIONS

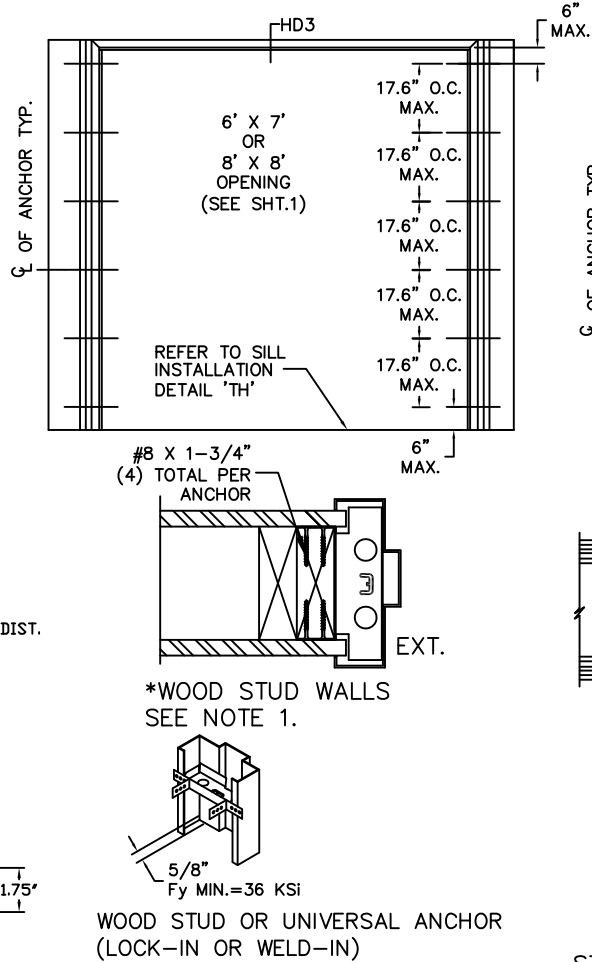


| | | | | | | |
|---|------------------|--|---------|-------------------|---|--|
| BEND RADIUS | | SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032 | | | MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242 | |
|  | | | | | | |
| THIRD ANGLE PROJECTION | | TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES | | | | |
| DRAWN JPD | DATE 02/03/14 | HINGE OPTIONS | | | | |
| CHECKED | | | | | | |
| APPROVED | | SIZE | FLAT | DWG NO. IRGD07 | REV N | |
| ENG. APPVL | | SCALE: NTS | AUTOCAD | | SHT 19 OF 20 | |

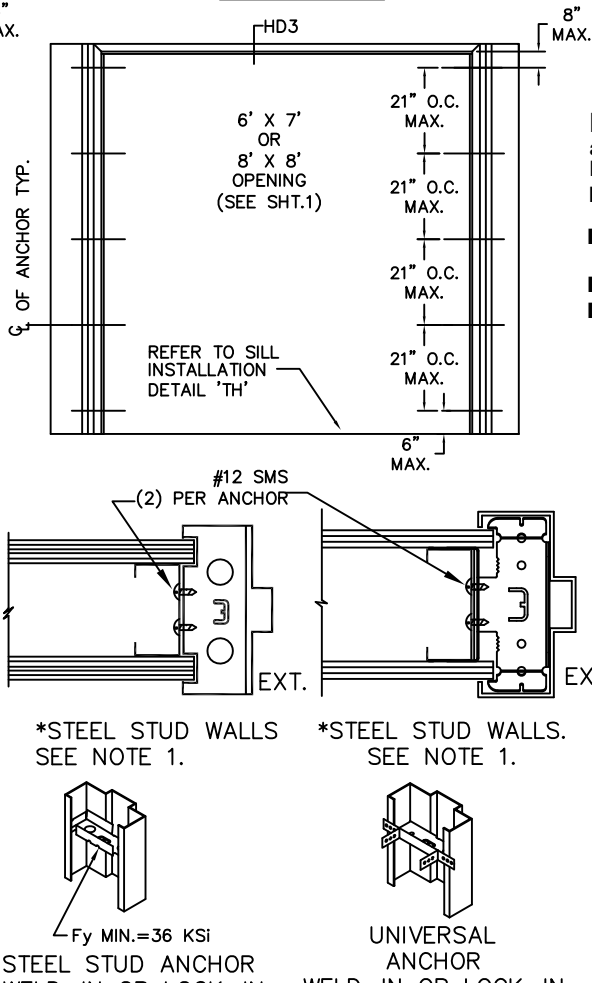
A2 WIRE OR T MASONRY ANCHOR
INTO GROUT FILLED FRAME
AND BLOCK WALL UP TO 90 PSF



B2 WOOD STUD ANCHOR
UP TO 90 PSF



C2 STEEL STUD ANCHOR
UP TO 90 PSF

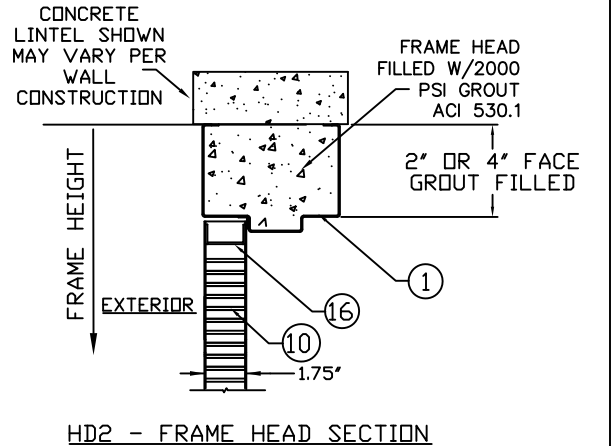
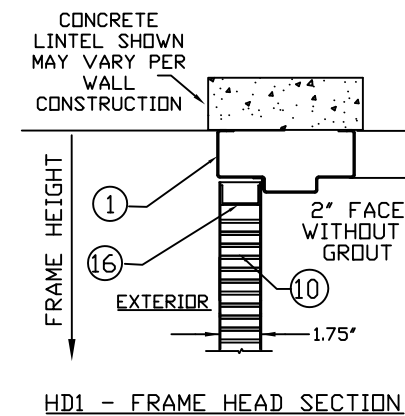


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1005.19

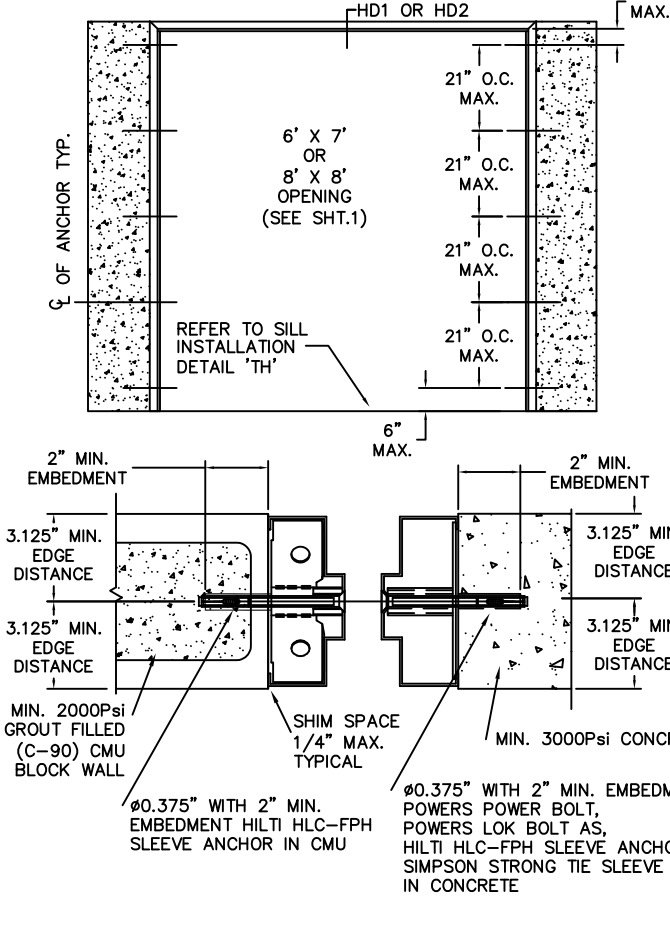
Expiration Date 05/05/2022

By Ishag I. Chank
Miami-Dade Product Control

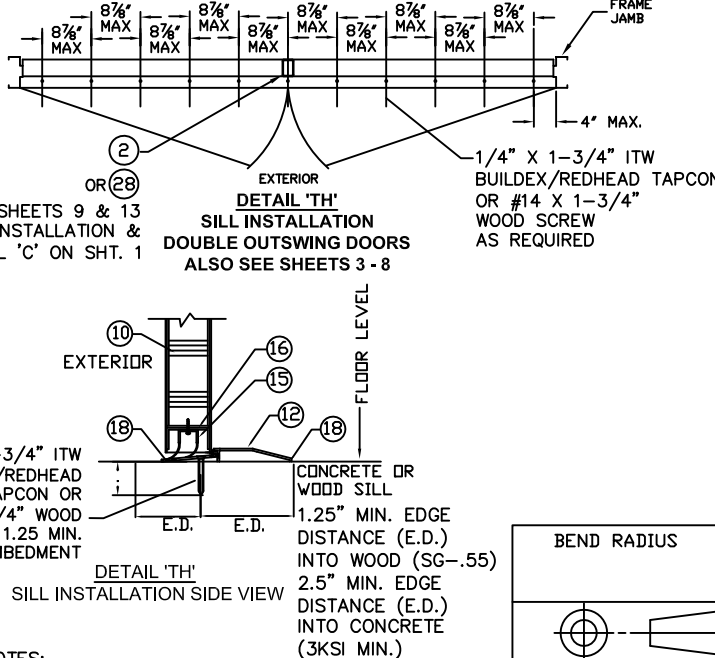
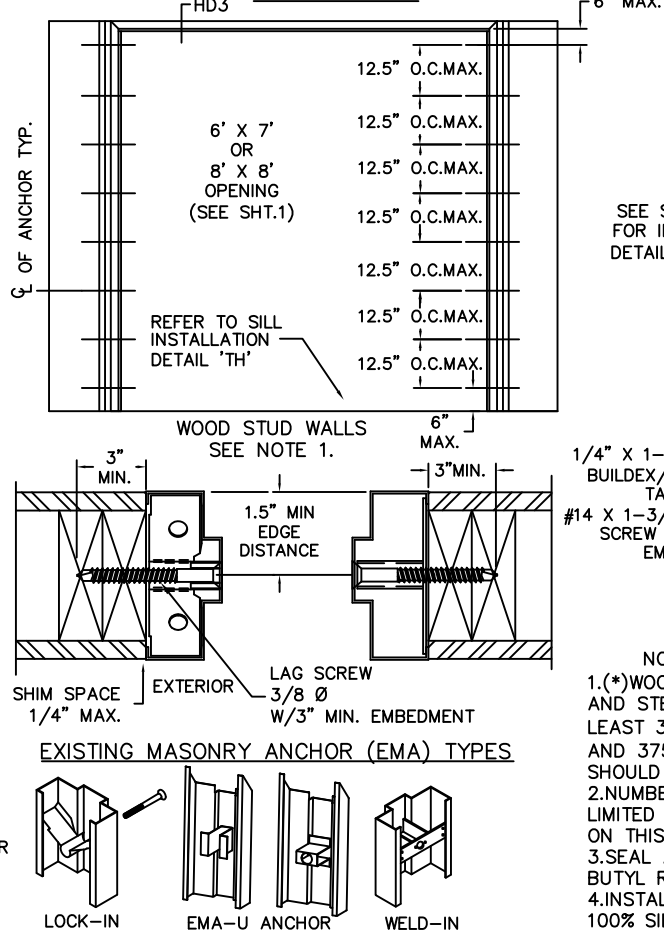
| REVISIONS | | | |
|-----------|-----------------|------|----------|
| LTR | DESCRIPTION | DATE | APPROVED |
| A | APPROVAL DWG | YMF | 05/05/15 |
| L | ENGINEER CHANGE | LA | 03/02/17 |
| M | ADDRESS UPDATE | SM | 02/27/20 |
| N | 2020 FBC UPDATE | NUS | 07/07/20 |



D2 EXISTING MASONRY ANCHOR (EMA) INTO
CONCRETE WALL OR CMU UP TO 90PSF



E2 WITH LAG BOLT INTO WOOD STUD WALL
UP TO 90 PSF



NOTES:
1.(*)WOOD OR (*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF, AND 375#/FT. FOR ASSEMBLIES RATED @ 90 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
2.NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3.SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR 100% SILICONE CAULK.
4.INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR 100% SILICONE CAULK FULL LENGTH OF SILL

| | | | |
|--|--|--|--|
| BEND RADIUS | | THIRD ANGLE PROJECTION | |
| DRAWN | | DATE | |
| YMF | | 05/20/07 | |
| CHECKED | | | |
| APPROVED | | | |
| ENG. APPVL | | 10/12/07 | |
| JPD | | | |
| SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032 | | MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242 | |
| TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES | | ANCHOR DETAILS / INSTALLATION CONDITIONS FOR ASSEMBLIES WITH A DESIGN PRESSURE RATING GREATER THAN 75 PSF UP TO AND INCLUDING 90 PSF | |
| SIZE | | DWG NO. | |
| FLAT | | IRGD07 | |
| SCALE: NTS | | AUTOCAD | |
| SHEET | | 20 OF 20 | |