

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 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., 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 #19-1016.04** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5 and E-6, as well as approval document mentioned above.

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



Ishaq I. Chanda

NOA No. 20-0310.09
Expiration Date: May 05, 2023
Approval Date: May 07, 2020
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

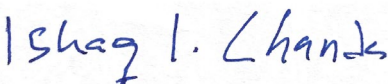
Along with marked-up drawings and installation diagram of double steel commercial doors, prepared by National Certified Testing Laboratories Inc., Test Report No. **NCTL- 210-03-0514-11**, dated August 31, 2004 , **NCTL 210- 03-3511-1** dated 04/09/08 and **NCTL 210- 03-3549-1** dated 08/26/08, all signed 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, P.E.
Product Control Unit Supervisor
NOA No. 20-0310.09
Expiration Date: May 05, 2023
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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. 20-0310.09
Expiration Date: May 05, 2023
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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 this 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. 20-0310.09
Expiration Date: May 05, 2023
Approval Date: May 07, 2020

Schlage Lock Company

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 undated HH9954 Von-Duprin Mull Catalog

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0310.09
Expiration Date: May 05, 2023
Approval Date: May 07, 2020

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

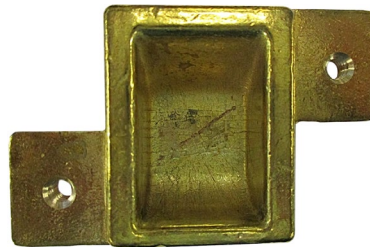
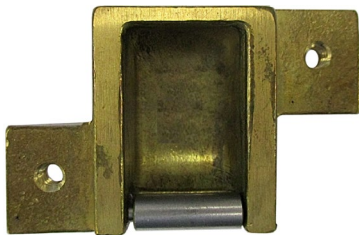
1. None

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. 20-0310.09
Expiration Date: May 05, 2023
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Schlage Lock Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. New Evidence submitted

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)

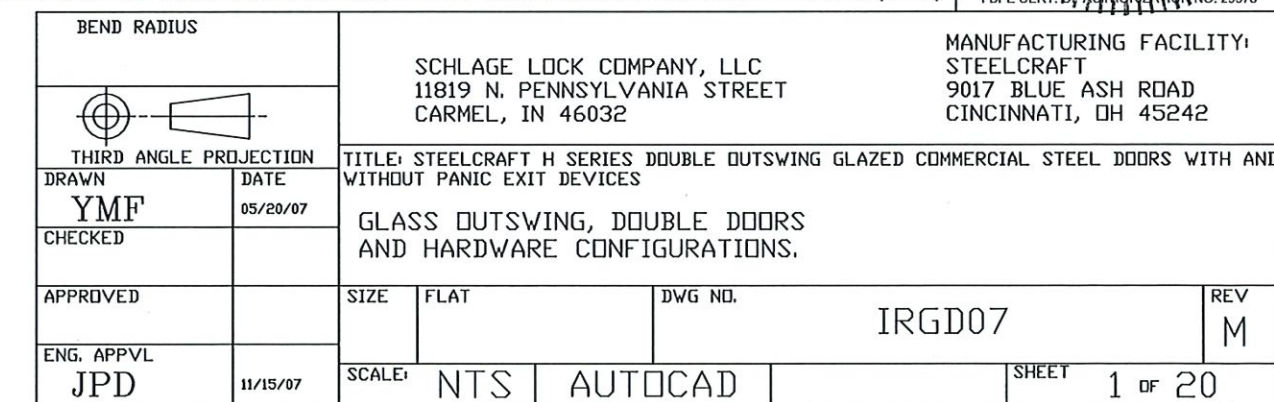
1. Statement letter of conformance to FBC 2017(6th edition) dated 02-08-2018, prepared by Building Drops, signed & sealed by Hermes F. Norero, P.E.
2. Application request of address change only by Schlage Lock company, signed by Donald James.

G. OTHER

1. This NOA revises NOA # **19-1016.04**, expiring 05/05/23.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0310.09
Expiration Date: May 05, 2023
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REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG.	YMF	05/20/07	
G	REVISED PER_MDBCCO	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	

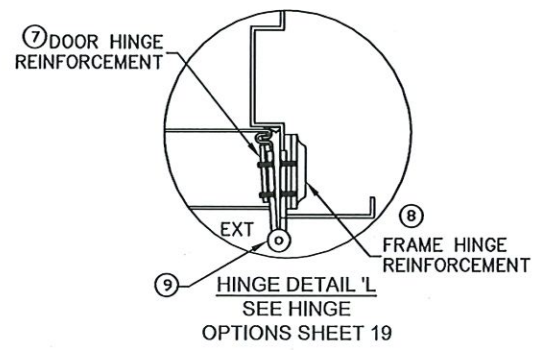
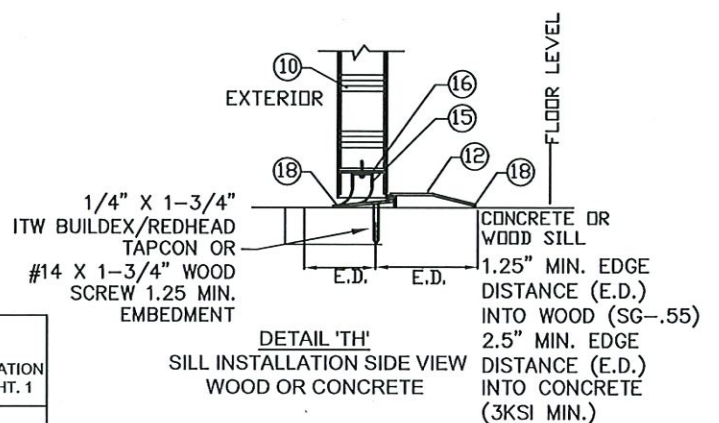
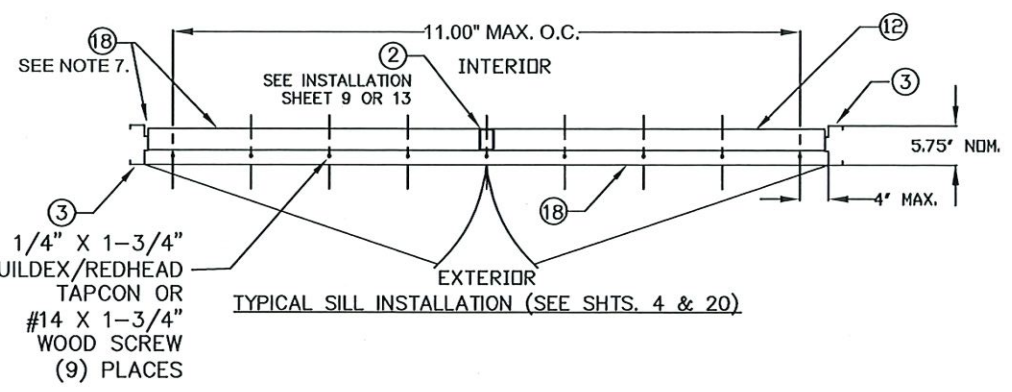
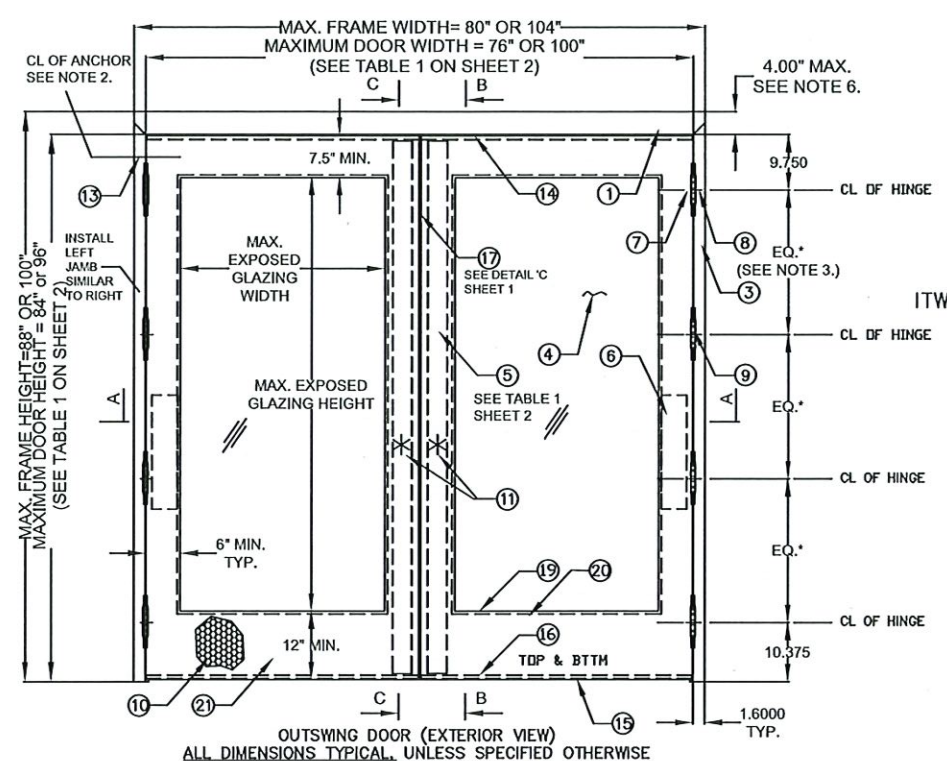
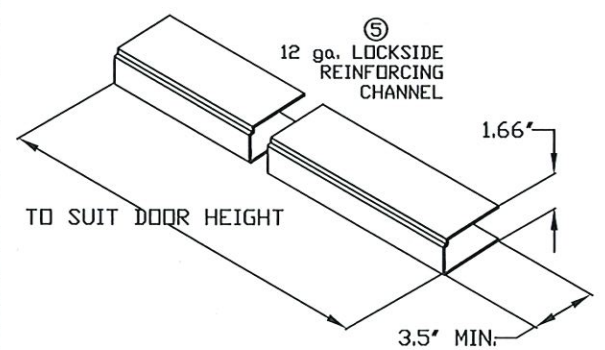
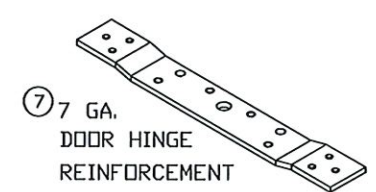


TABLE 2

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE	SEE ELEVATION ON SHT. 1
1	1	HEAD SEE SHT 9 ASTM A366	.053\"	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\"		
		LAMINATED GLASS WITH KURARAY SENTRYGLAS INTERLAYER	.562\" TYP.	35.406\" X 75.656\" MAX.	
		SUPERLITE II-XL BY SAFTI W/ KURARAY SENTRYGLAS INTERLAYER	1.06\" TYP.		
5	2	LOCK SIDE REINFORCEMENT CHANNEL	.093\" MIN. STL	3.5 X 93.44 MAX	
6	2	HINGE SIDE PANIC REINFORCEMENT	.067\" MIN. STL	MAX. 20\"	
7	NOTE 2.	HINGE REINFORCEMENT DOOR ASTM A621	.167\" MIN. STL.	1.23\" X 9.19\" MIN.	
8	NOTE 2.	HINGE REINFORCEMENT FRAME ASTM A621	.167\" MIN. STL.	1.5\" X 9.19\" MIN.	
9	NOTE 2.	4.5\" X 4.5\" BUTT HINGES (SEE SHT. 19)	.134 MIN.	(8) #12-24 HS PER HINGE	
		OPTIONAL CONTINUOUS HINGE (SEE SHT. 19)	.075\" MIN. STL/.12 ALUM	MAX. 95\"	
10	2	CORE MATERIAL (SHEET 16) D) HONEYCOMB C) STEEL STIFFENED A & F) POLYSTYRENE B & F) POLYURETHANE/POLYSOCYANURATE E) MINERAL BOARD TEMPERATURE RISE CORE			
11	2	LOCKING HARDWARE - SEE SHEET 2 TABLE 1.			
		THRESHOLD SILL W/BUMPER GASKET (SEE SHEETS 5, 6, 7 & 8)			
12	1	12A) 566 BY ZERO SHTS 5&6 WATER RATED 7&8 NON WATER	.125\" ALUM. 6063 T5	5.0\"X0.5\"X96\"MAX.	
		12B) 950A BY NGP SHT 6 WATER RATED SHT 8 NON WATER	.078\" ALUM. 6063 T5		
		12C) 65 BY ZERO SEE SHEETS 7&8 NON WATER RATED	.125\" ALUM. 6063 T5		
		12D) 568 BY ZERO SEE SHEETS 7&8 NON WATER RATED	.125\" ALUM. 6063 T5	6.0\"X0.5\"X96\"MAX.	
13	NOTE 1.	JAMB ANCHOR ASTM A924	SEE SHEETS 4 & 20		
14	SEE SHTS. 5, 6, 7 & 8	14A) PSD74 DDOOR SEAL STEELCRAFT	TPE		
		14B)188S, 14C)117S, 14D)8144S, 14E)8150S DDOOR SEAL ZERO	SILICONE	VARIES	
15	2	FAS-SEAL DDOOR SWEEP	TPE	MAX. 48\"	
16	4	END CHANNEL ASTM A924 (14 GA - INVERTED)		.69\" X 1.66\" X 48\" MAX.	
17	1	17A) 328 SPLIT ASTRAGAL BY ZERO INT'L	SEE SHEETS 5, 6, 7 & 8		
		17B) 137 SPLIT ASTRAGAL BY NGP			
18	AS NEEDED	CAULK BUTYL RUBBER OR 100% SILICONE	SEE SHEETS 5, 6, 7 & 8		
		GLAZING HOLDING TRIM SEE SHEET 11	SEE SHEET 11		
19	AS NEEDED	#1) DEZIGNER TRIM		34.25\" X 74.5\" EXPOSED GLASS MAX. SEE SHEETS 10 & 11 FOR DETAILS & LIMITATIONS	
		#2) STEEL OVERLAPPING TRIM	.035\" MIN. STL		
		#3) STEEL OVERLAPPING TRIM			
		#4) HIGH SECURITY VISION FRAME SG-10 BY ANEMOSTAT	.093\"(12GA) MIN. STL.		
20	NOTE 10.	CUTOUT REINFORCEMENT CHANNEL (18 GA)	.047\" MIN. STL	0.5\" X 1.66\" X 35.5\" 75.5\" MAX	
21	2	DDOR SLAB (16 OR 14 GA)	SEE SHEET 9	3\" X 7\" DR 4\" X 8\" MAX.	
		22A) 8150S DDOOR SEAL BY ZERO INT'L SEE SHTS 5, 7 & 8			
22	VARIES	22B) 188S DDOOR SEAL BY ZERO INT'L SEE SHTS 6, 7, & 8	SILICONE	VARIES	
23	2	202N DDOOR SEAL BY NGP SEE SHEET 6	TPE	MAX. 84\" DR 96\"	
		24A) 139 DDOOR SWEEP BY ZERO INT'L SEE SHTS 5 & 6			
24	2	24B) 328 DDOOR SWEEP BY ZERO INT'L SEE SHTS 5, 6, & 7	TPE	MAX. 36\" DR 48\"	
		24C) 200N DDOOR SWEEP BY NGP SEE SHEET 6			
25	2	25A) 475 ADJUSTABLE SEAL BY ZERO INT'L SEE SHEET 6	TPE	MAX. 84\" DR 96\"	
		25B) 170N ADJUSTABLE SEAL BY NGP SEE SHEET 6			
		26A) 142 RAIN DRIP BY ZERO INT'L	SEE SHTS 5 & 6	MAX. 104\"	
26	2	26B) 11 RAIN DRIP BY ZERO INT'L	SEE SHTS 5 & 6	MAX. 36\" DR 48\"	
		26C) 16A RAIN DRIP BY NGP	SEE SHEET 6	MAX. 36\" DR 48\"	
27	2	TOP CAP GALV. A60 ASTM A924	.020\" MIN. STL	0.5\" X 1.76\" X 48\" MAX.	
28	1	HOLLOW METAL MULLION	SEE SHEET 9	84\" DR 96\" MAX.	
29	2	IVES 360 12\" SURFACE BOLT - TOP & BOTTOM INACTIVE LEAF CONFIG. 10 & 11			



- NOTES:
1. ANCHOR REQUIREMENTS: SEE SHEETS 4 & 20 FOR APPROVED ANCHORS AND INSTALLATION
 2. HINGE REQUIREMENTS: 4.5\"
 3. SEE SHEETS 1, 2 & 9 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
 4. HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
 5. 4\"
 6. WEATERSTRIPPING
 7. WHEN WATER INFILTRATION IS REQUIRED INSTALL PER SHEETS 5 AND 6 AS APPLICABLE
 8. WHEN WATER INFILTRATION IS NOT REQUIRED INSTALL PER SHEETS 7 AND 8 AS APPLICABLE
 9. SEE SHEET 16 FOR SECTION A-A, SEE SHEET 17 FOR SECTIONS B-B AND C-C.
 10. INSTALL REINFORCEMENT CHANNELS (ITEM #20) AROUND EACH LITE-CUTOUT.
 11. ELECTRICAL INSTALLATION AND FIRE RATINGS ARE UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
 12. 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.
 13. SILL SHALL BE ANCHORED PER INSTALLATION DETAIL ON THIS SHEET AND SHEETS 4 & 20.
 14. GASKETING QUANTITY WILL INCREASE WHEN USED WITH HOLLOW METAL MULLION. SEE SHTS 5-8 FOR DETAILS.

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

H-SERIES GLASS DOUBLE DOORS OUTSWING CONFIGURATIONS

SIZE

FLAT

DWG NO.

IRGD07

REV

M

SCALE:

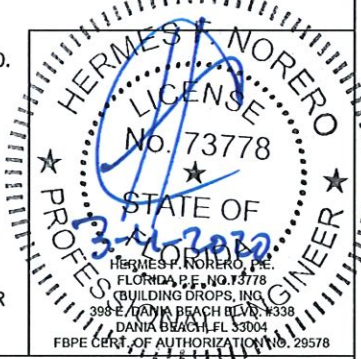
NTS

AUTOCAD

SHEET

3 OF 20

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0310.09
Expiration Date 05/05/2023
By Ishaq I. Chanda
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	

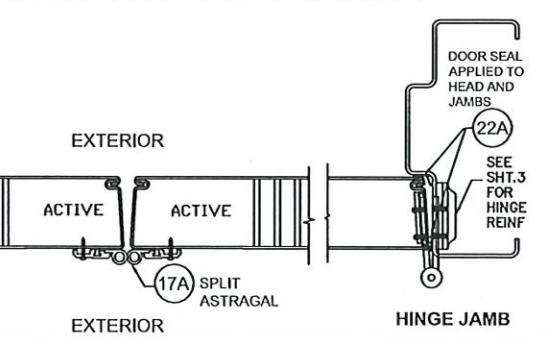
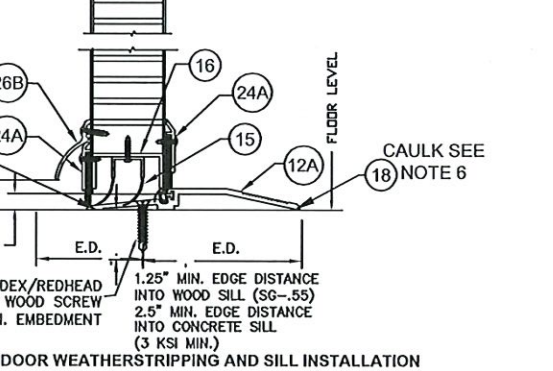
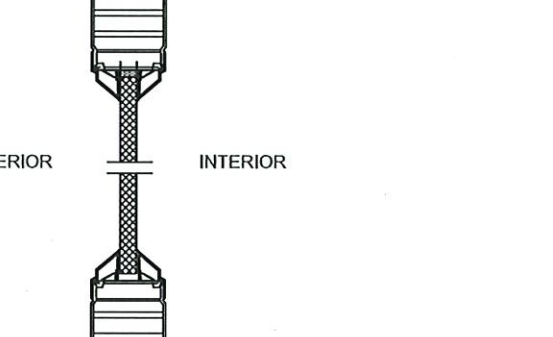
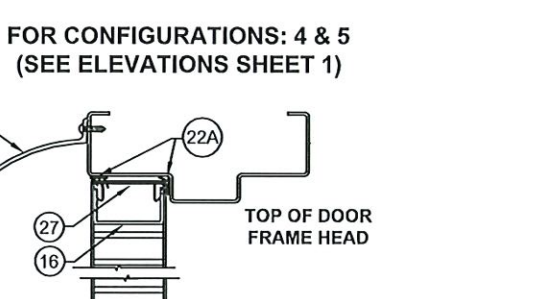
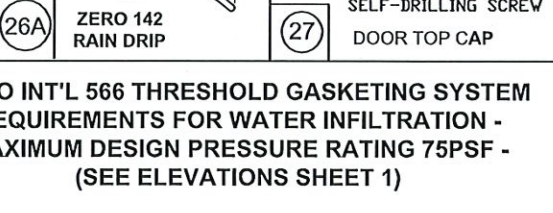
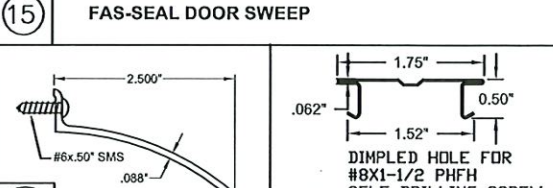
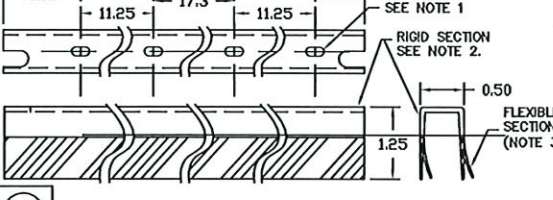
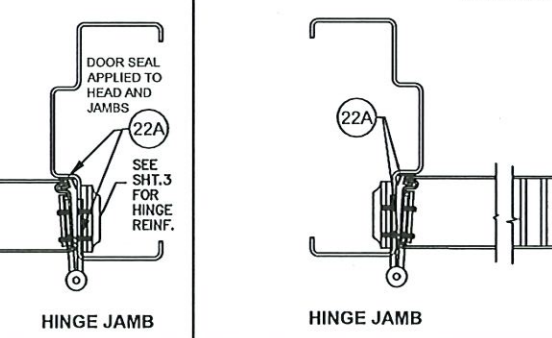
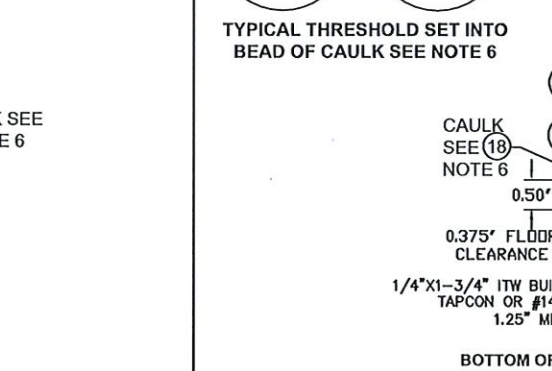
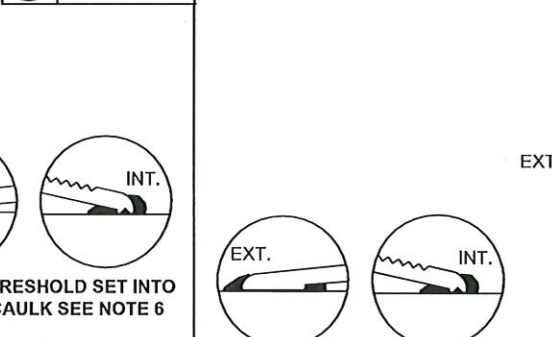
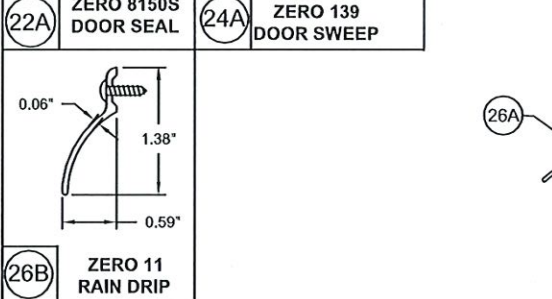
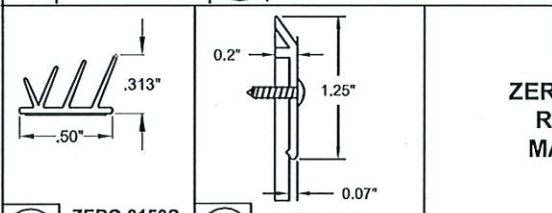
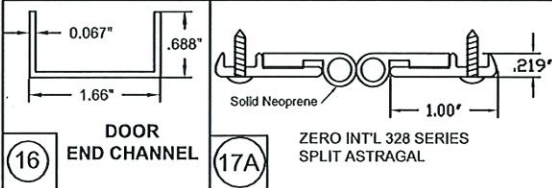
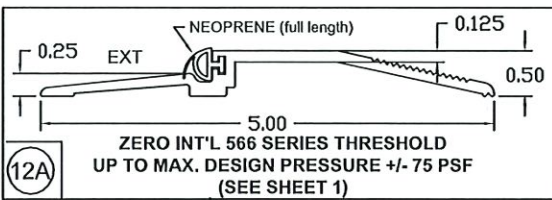


TABLE 3.1 WATER RATED PERIMETER SEAL HARDWARE - ZERO INT'L THRESHOLD 566

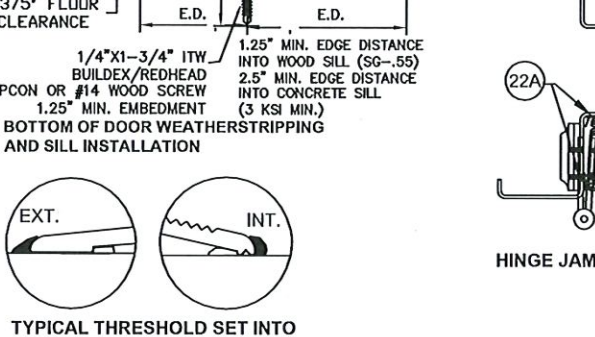
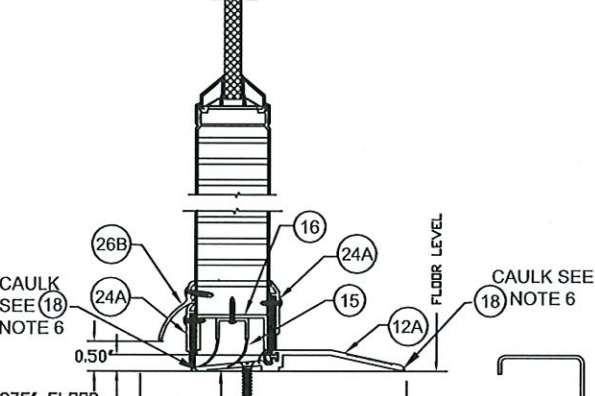
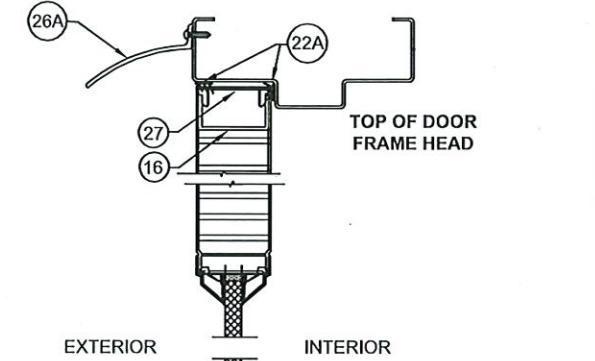
ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
12A	566 THRESHOLD	ZERO INT'L
15	FAS-SEAL SWEEP	STEELCRAFT
16	END CHANNEL	STEELCRAFT
17A	328 SPLIT ASTRAGAL	ZERO INT'L
22A	8150S DOOR SEAL	ZERO INT'L
24A	139 DOOR SWEEP	ZERO INT'L
26A	142 RAIN DRIP	ZERO INT'L
26B	11 RAIN DRIP	ZERO INT'L
27	DOOR TOP CAP	STEELCRAFT

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

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



ZERO INT'L 566 THRESHOLD GASKETING SYSTEM
REQUIREMENTS FOR WATER INFILTRATION -
MAXIMUM DESIGN PRESSURE RATING 75PSF -
(SEE ELEVATIONS SHEET 1)
FOR CONFIGURATIONS: 10 & 11
(SEE ELEVATIONS SHEET 1)



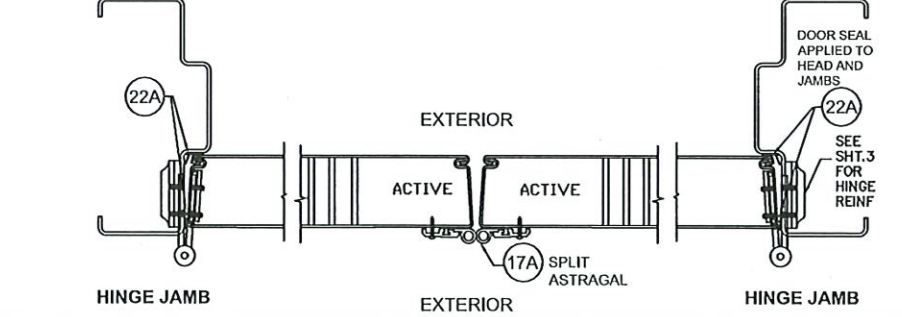
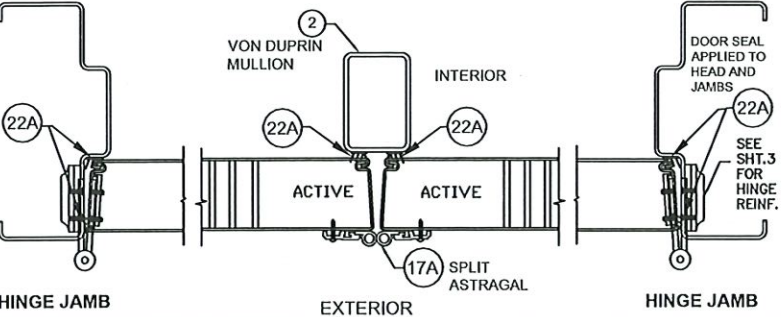
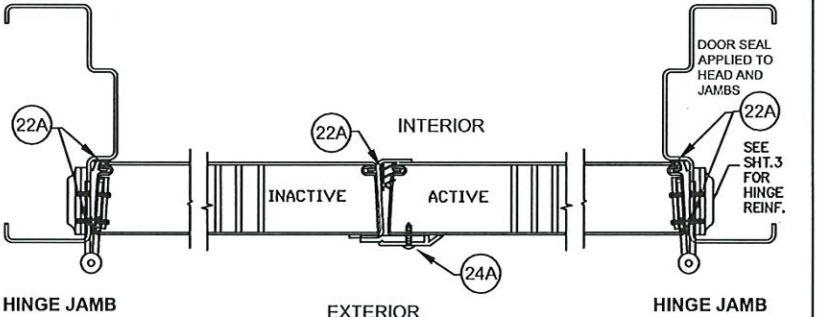
NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
4. FAS-SEAL DOOR SWEEP (15), AND THRESHOLD (12A) ARE REQUIRED FOR ALL INSTALLATIONS.
5. SEAL ALL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

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07
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	02/28/17
M	ADDRESS UPDATE	SM	02/27/20

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0310.09

Expiration Date 05/05/2023

By Ishaq I. Chandra
Miami-Dade Product Control



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		DRAWN YMF		TITLE: STEELCRAFT H SERIES DOUBLE GLAZED OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES	
CHECKED		DATE 05/20/07		DOUBLE GLAZED DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS REQUIRED	
APPROVED		SIZE FLAT		DWG NO. IRGD07	
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)

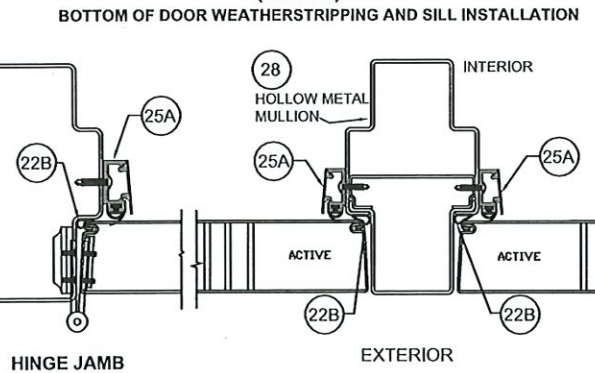
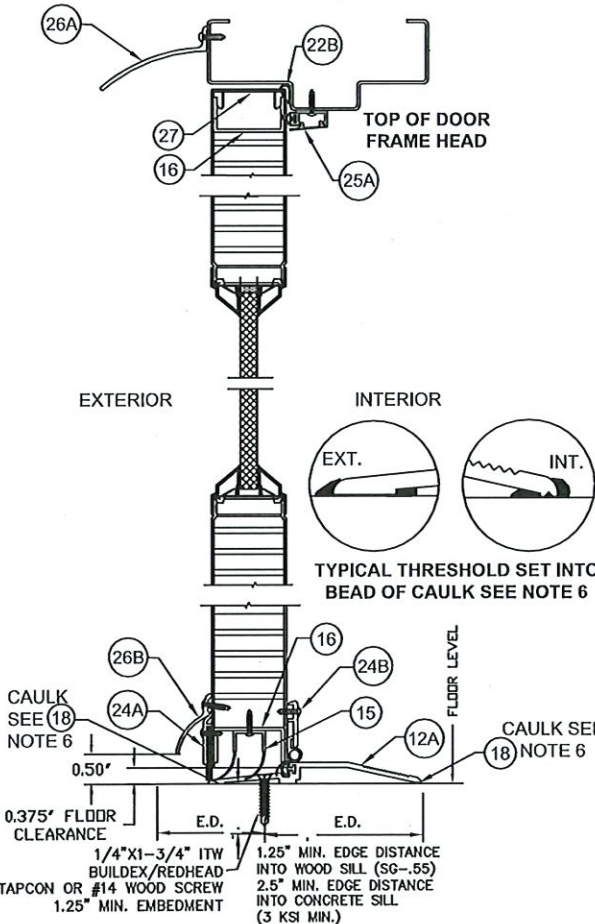
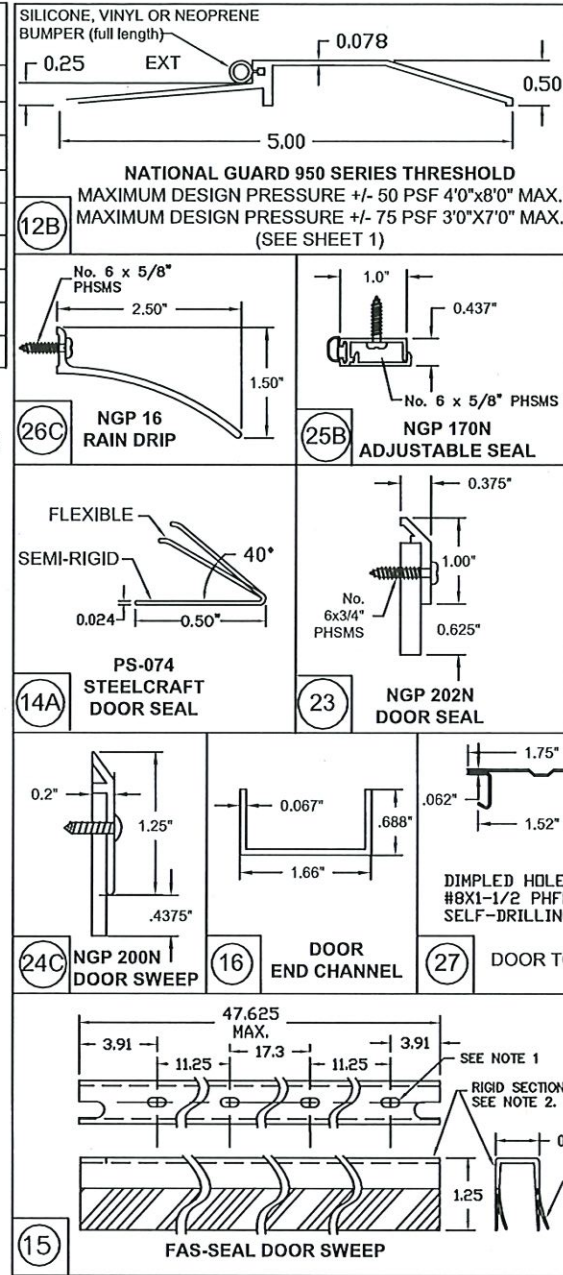
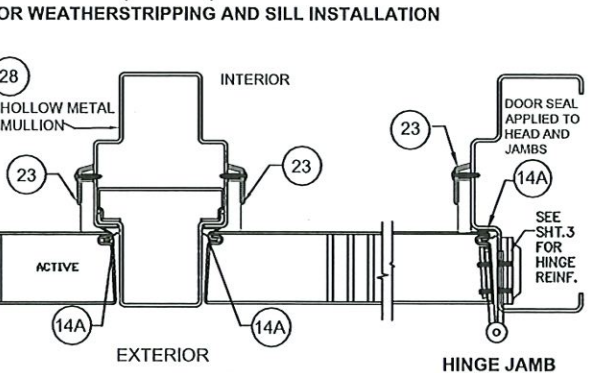
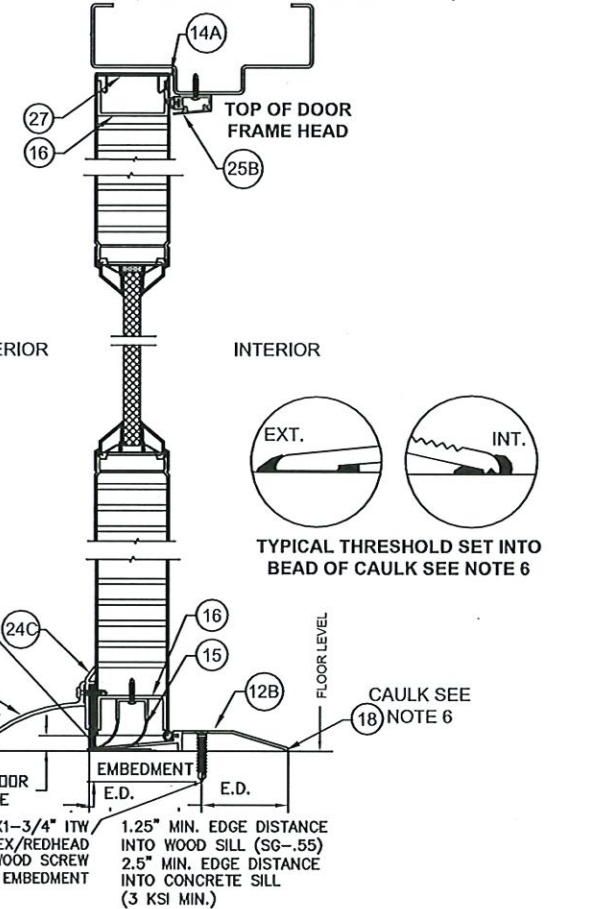


TABLE 3.3 WATER RATED PERIMETER SEAL HARDWARE - NGP THRESHOLD 950

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	DRAWN YMF		TITLE: STEELCRAFT H SERIES DOUBLE GLAZED OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES	
CHECKED	DATE 05/20/07		DOUBLE GLAZED DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS REQUIRED	
APPROVED	SIZE FLAT		DWG NO. IRGD07	
ENG. APPVL JPD	10/11/07		SCALE: NTS AUTOCAD	
		SHEET 6 of 20		REV M

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

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0310.09

Expiration Date 05/05/2023

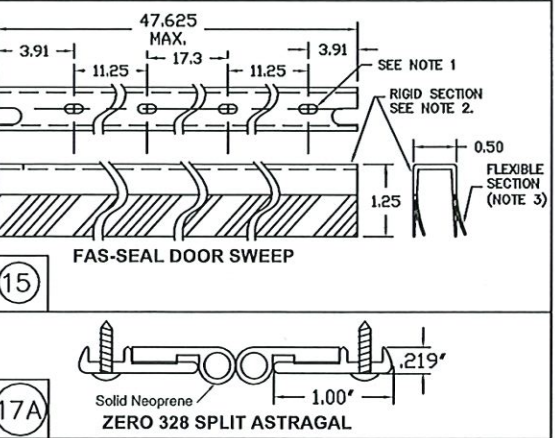
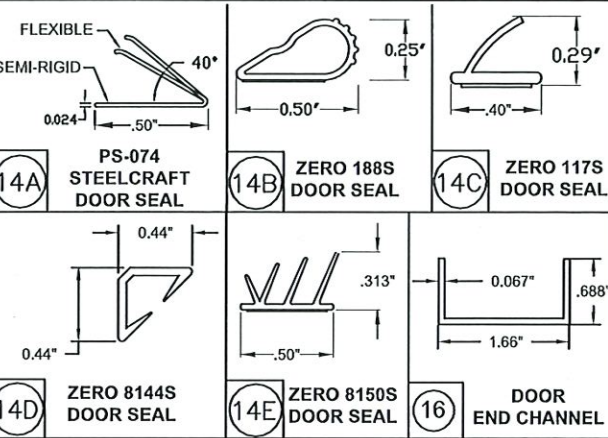
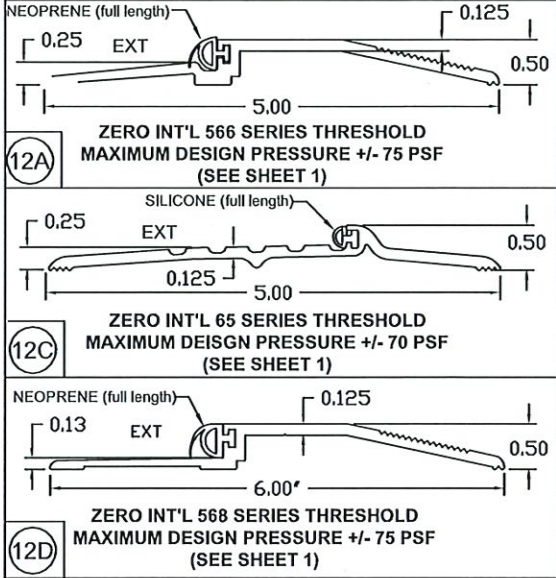
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Miami-Dade Product Control



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

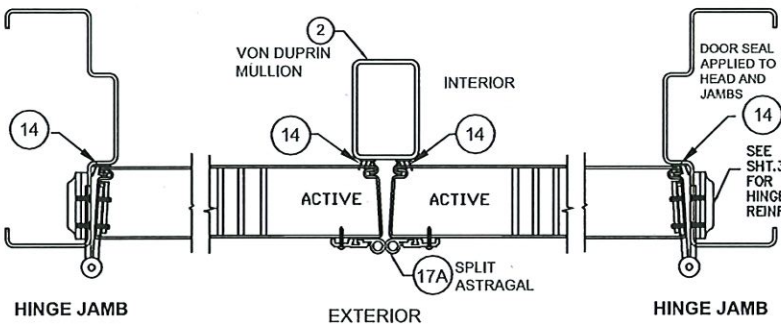
ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
12	12A 566 THRESHOLD	ZERO INT'L
	12C 65 THRESHOLD	ZERO INT'L
	12D 568 THRESHOLD	ZERO INT'L
14	14A PS074 DOOR SEAL	STEELCRAFT
	14B 188S DOOR SEAL	ZERO INT'L
	14C 117S DOOR SEAL	ZERO INT'L
	14D 8144S DOOR SEAL	ZERO INT'L
	14E 8150S DOOR SEAL	ZERO INT'L
15	FAS-SEAL 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)

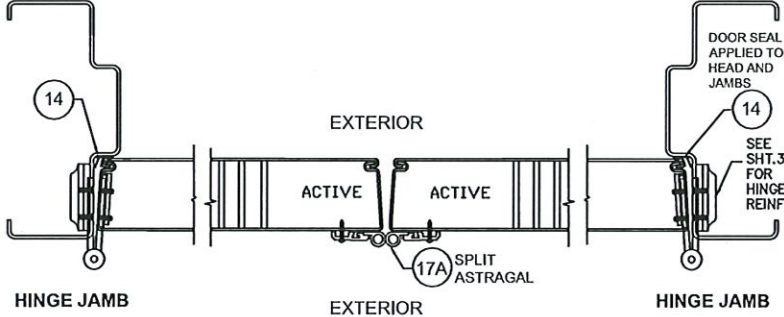


REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
B	REVISED DWG	RAP	11/26/07	
C	REVISED DWG	YMF	12/14/07	
D	REVISED DWG	YMF	12/14/08	
E	REVISED PER_MDBCCO	YMF	02/05/09	
F	REVISED PER_MDBCCO	YMF	01/04/10	
G	REVISED PER_MDBCCO	YMF	04/08/10	
H	REVISED NAME	JPD	11/01/13	
J	REVISED 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	

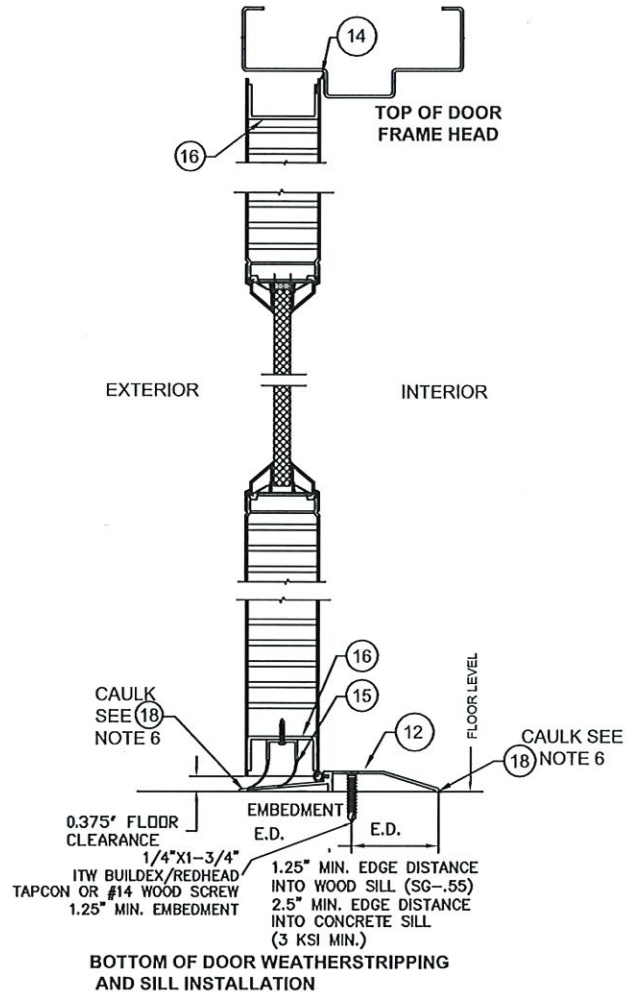
FOR CONFIGURATIONS: 1, 2, 3A, 3B, 6 & 8 (SEE ELEVATIONS SHEET 1)



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



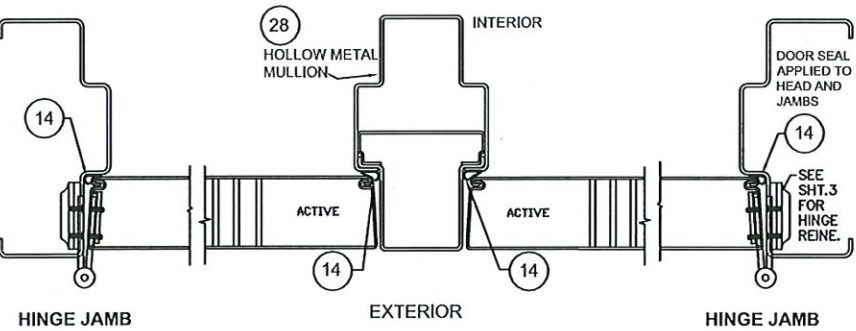
ALL CONFIGURATIONS



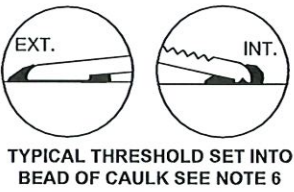
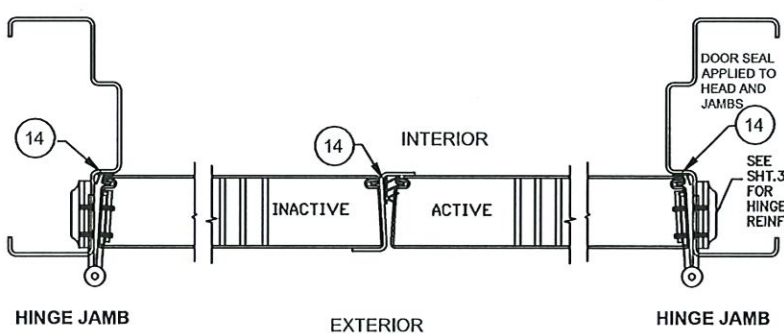
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NOA-No. 20-0310.09
Expiration Date 05/05/2023
By *Isheq I. Chank*
Miami-Dade Product Control



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



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



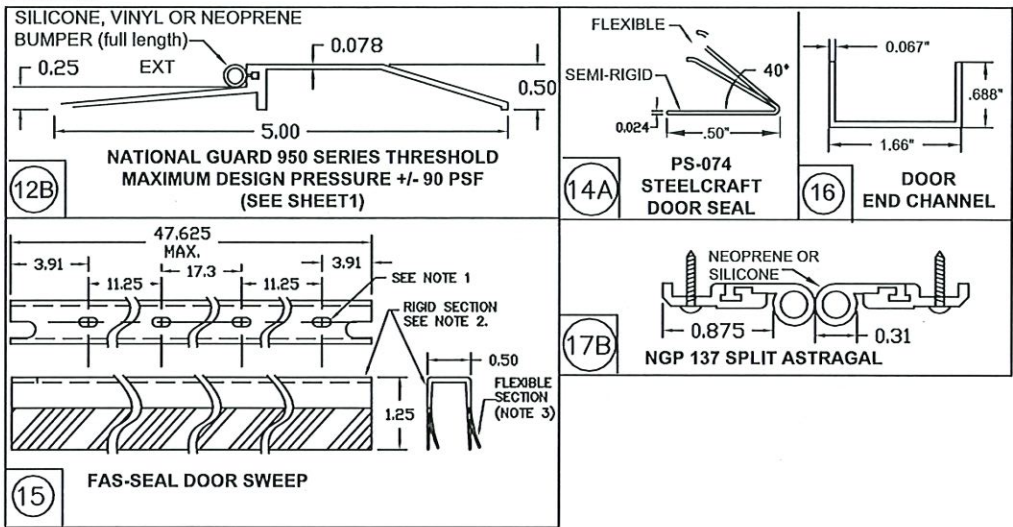
- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. FAS-SEAL DOOR SWEEP (15), DOOR SEAL (14A, 14B, 14C, 14D, 14E) AND THRESHOLD (12A, 12C, 12D) 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

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

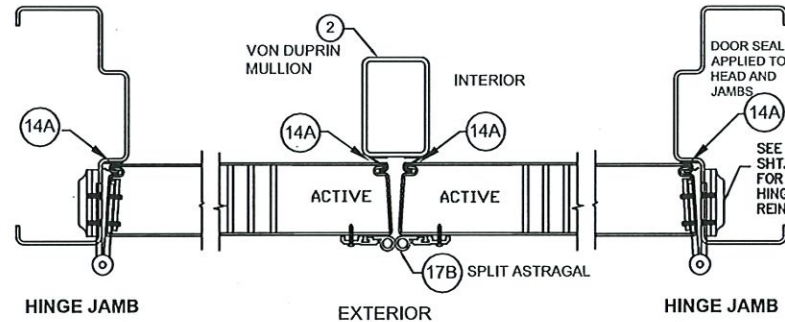
TABLE 4.2 PERIMETER SEAL HARDWARE - NGP THRESHOLD

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

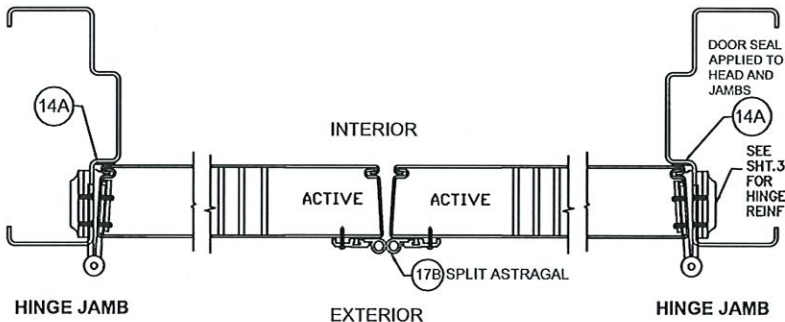
NGP 950 THRESHOLD GASKETING SYSTEM REQUIREMENTS WHEN WATER INFILTRATION IS NOT REQUIRED -
MAXIMUM DESIGN PRESSURE 90 PSF FOR MAXIMUM DOOR SIZE OF 4'-0" X 8'-0" (SEE ELEVATIONS SHEET 1)



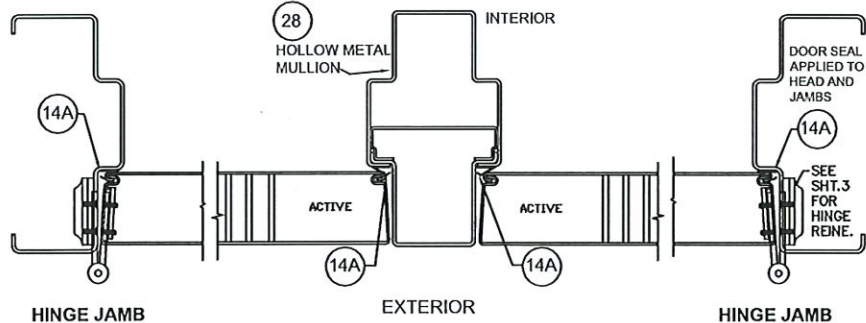
FOR CONFIGURATIONS: 1, 2, 3A, 3B, 6 & 8 (SEE ELEVATIONS SHEET 1)



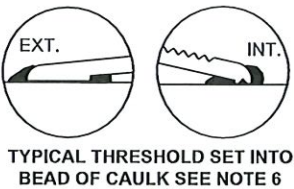
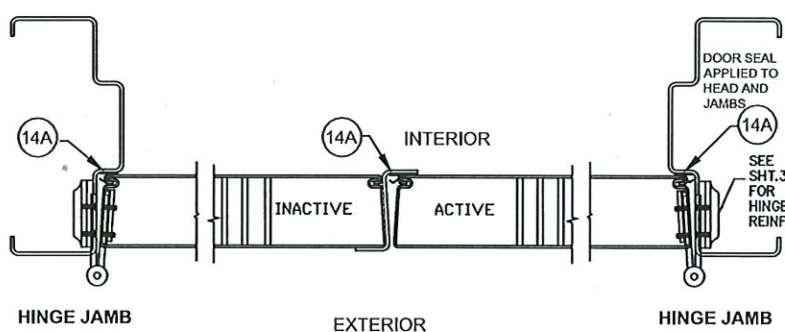
FOR CONFIGURATIONS: 4 & 5 (SEE ELEVATIONS SHEET 1)



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



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

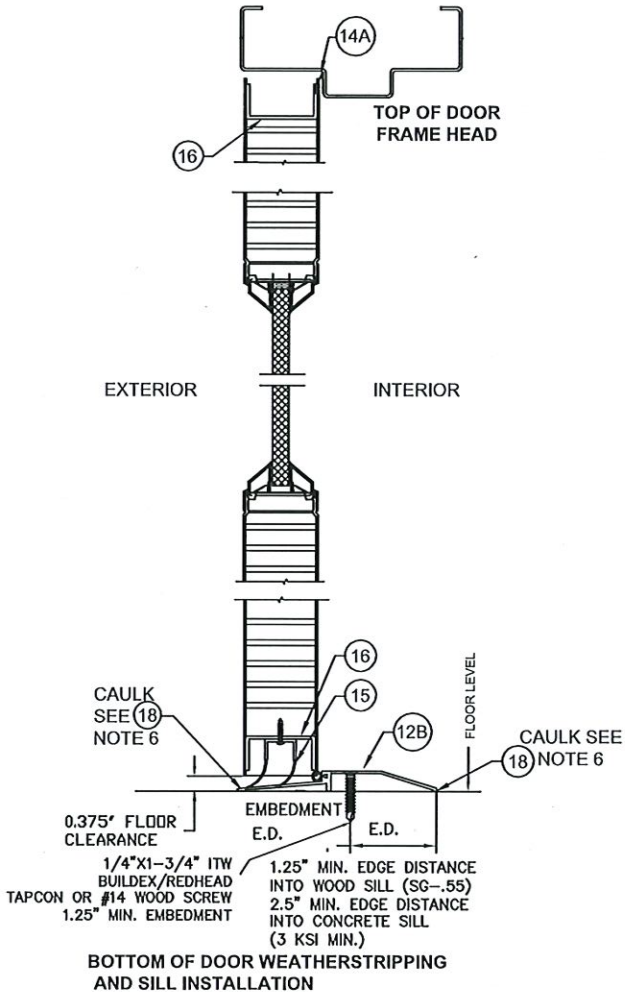


- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. FAS-SEAL DOOR SWEEP (15), DOOR SEAL (14A) AND THRESHOLD (12B) AS APPLICABLE, ARE REQUIRED 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

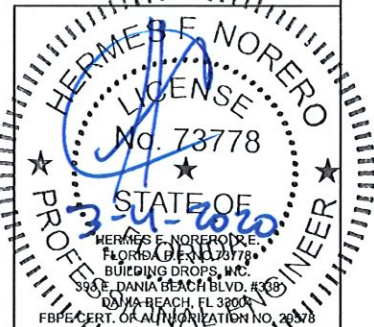
REVISIONS

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

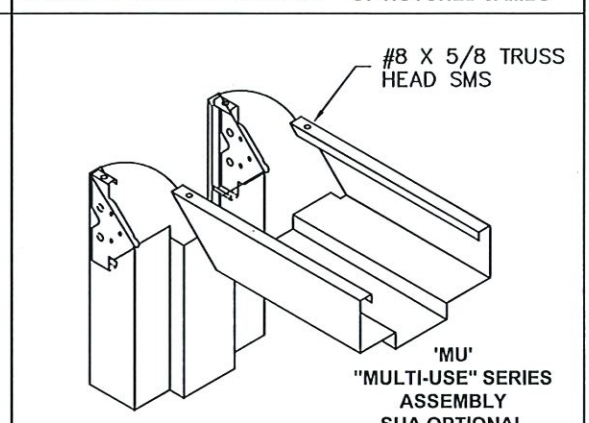
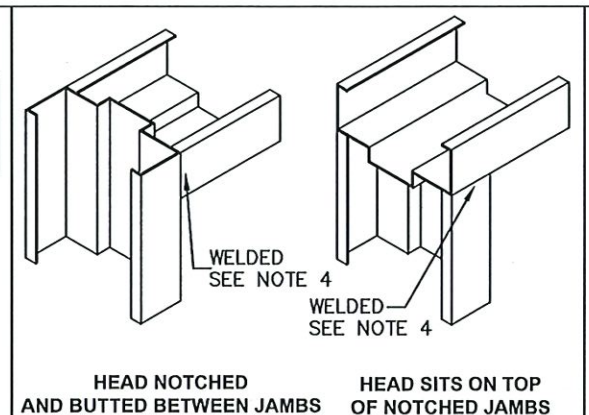
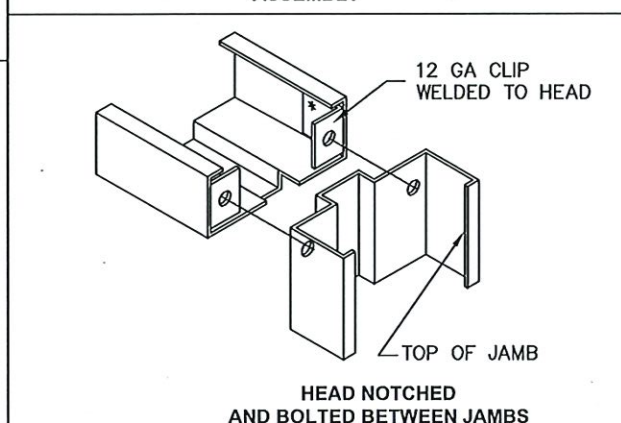
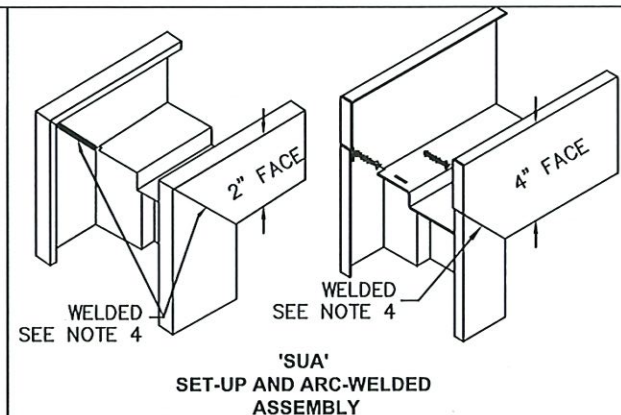
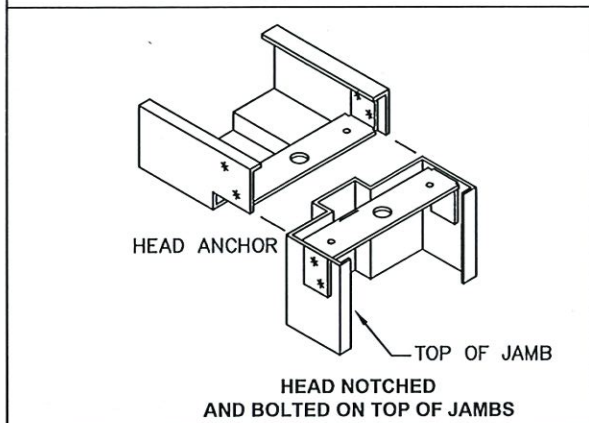
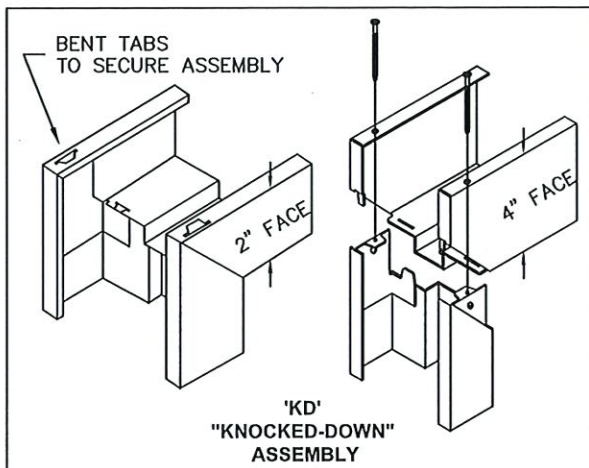
ALL CONFIGURATIONS



PRODUCT REVISED
as complying with the Florida
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NOA-No. 20-0310.09
Expiration Date 05/05/2023
By *Ismael L. Chanda*
Miami-Dade Product Control



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



NOTES:

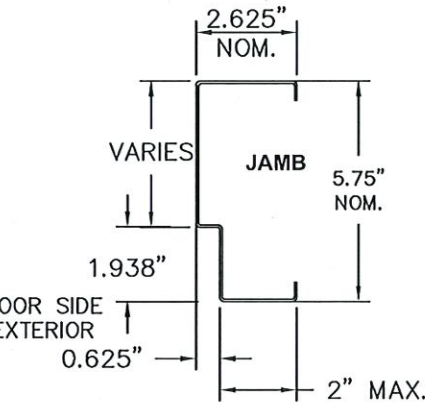
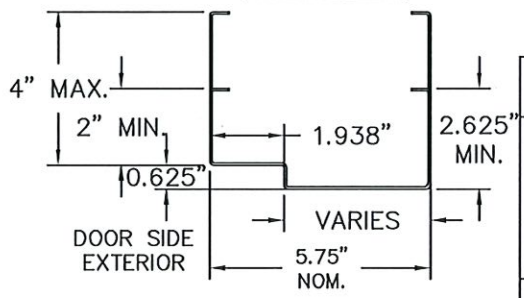
- DOOR CONSTRUCTION
 - NOMINAL DOOR THICKNESS - 1 3/4"
 - DOOR SIZE MAY VARY, SUBJECTED TO COMPLIANCE WITH FLORIDA BUILDING CODE AND PRODUCT AVAILABILITY FROM MANUFACTURER (SEE SHEET 2 FOR AVAILABLE HARDWARE)
- FRAME CONSTRUCTION
 - NOMINAL JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
 - FRAMES AVAILABLE 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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NOA-No. 20-0310.09

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OPTIONAL FRAME PROFILE SINGLE RABBET



REVISIONS				
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 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	

TABLE 6. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

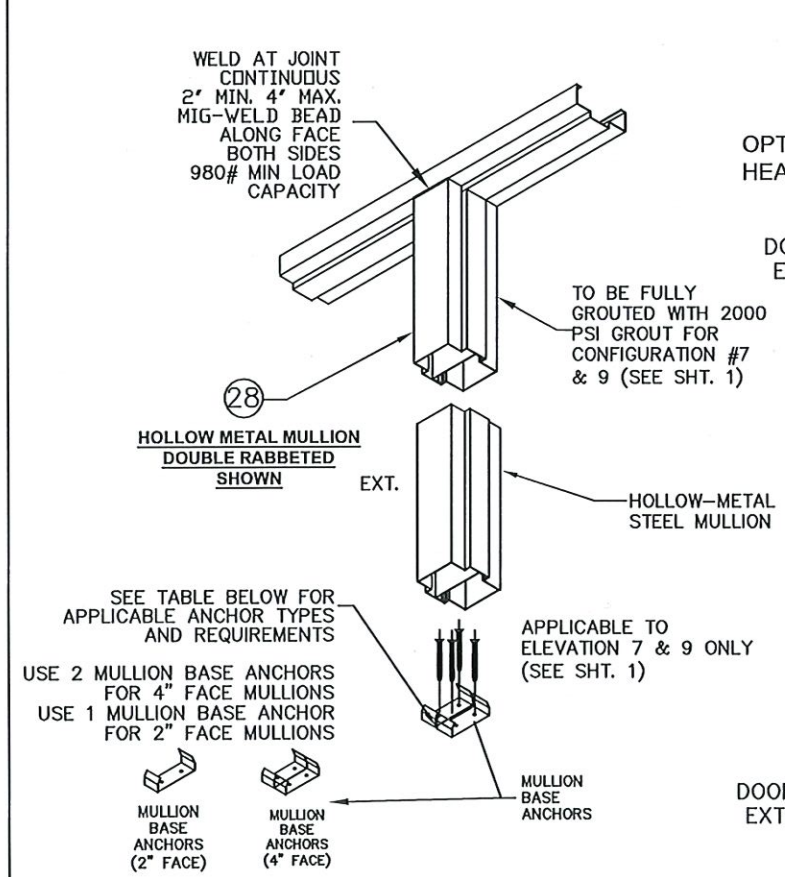
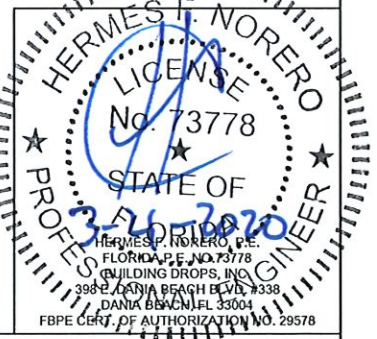
FRAME SERIES	JAMB DEPTH	MAX. OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" NOM.	8'0"	8'0"	CRS/HRS GALV	16/.053" 14/.067" 12/.099"
				STAINLESS STEEL	16/.053"
MU	5.75" NOM.	8'0"	8'0"	CRS/HRS GALV	16/.053" 14/.067"

TABLE 5. AVAILABLE STEELCRAFT DOOR CONFIGURATIONS

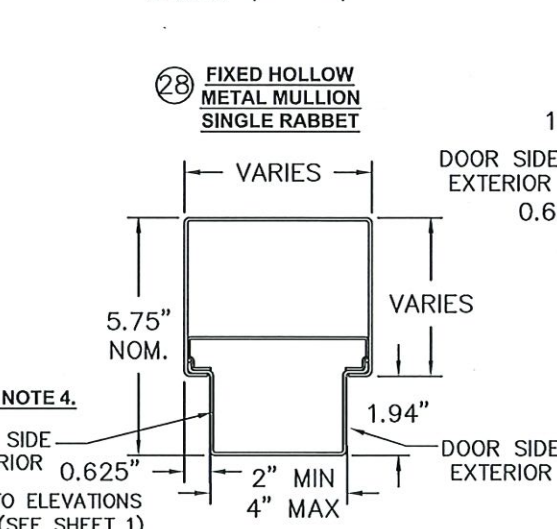
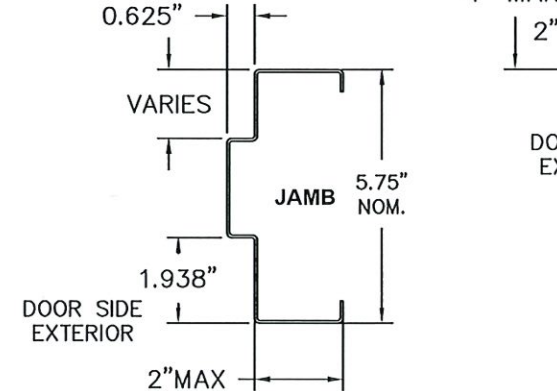
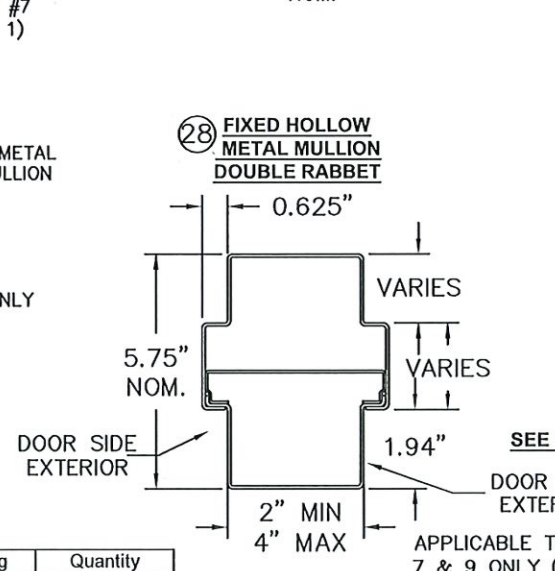
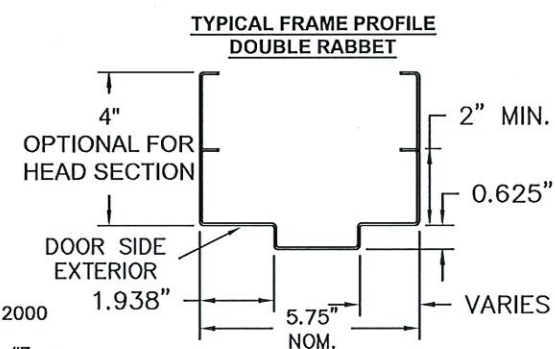
CORE MATERIAL PER SHT.16	MAXIMUM OPENING SIZE		SKIN MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK
HONEYCOMB POLYSTYRENE POLYURETHANE (POLYISOCYANURATE) TEMPERATURE RISE STEEL STIFFENED	VARIES SEE SHEET 2 TABLE 1		CRS GALV	16/.053" 14/.067"
HONEYCOMB POLYSTYRENE POLYURETHANE	VARIES SEE SHEET 2 TABLE 1	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

TABLE 7. STEEL MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A366	MIN. 41.5	MIN. 52.4
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

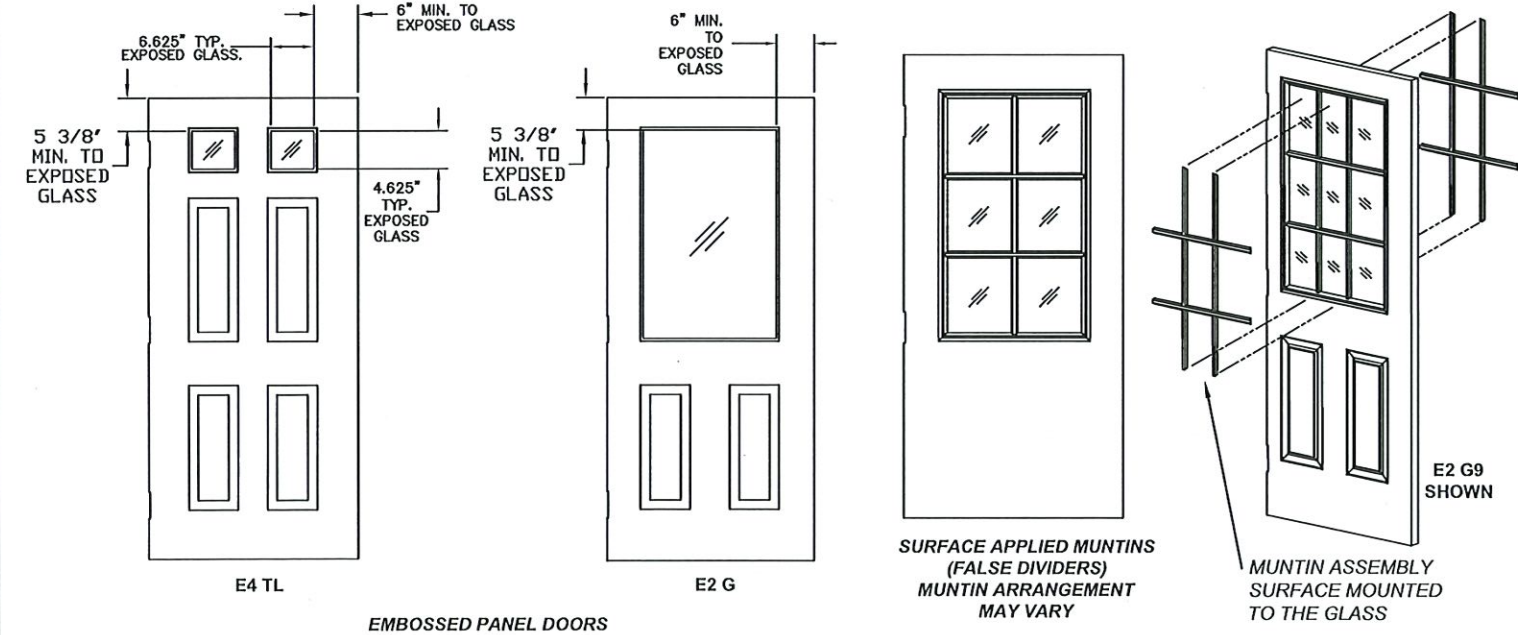
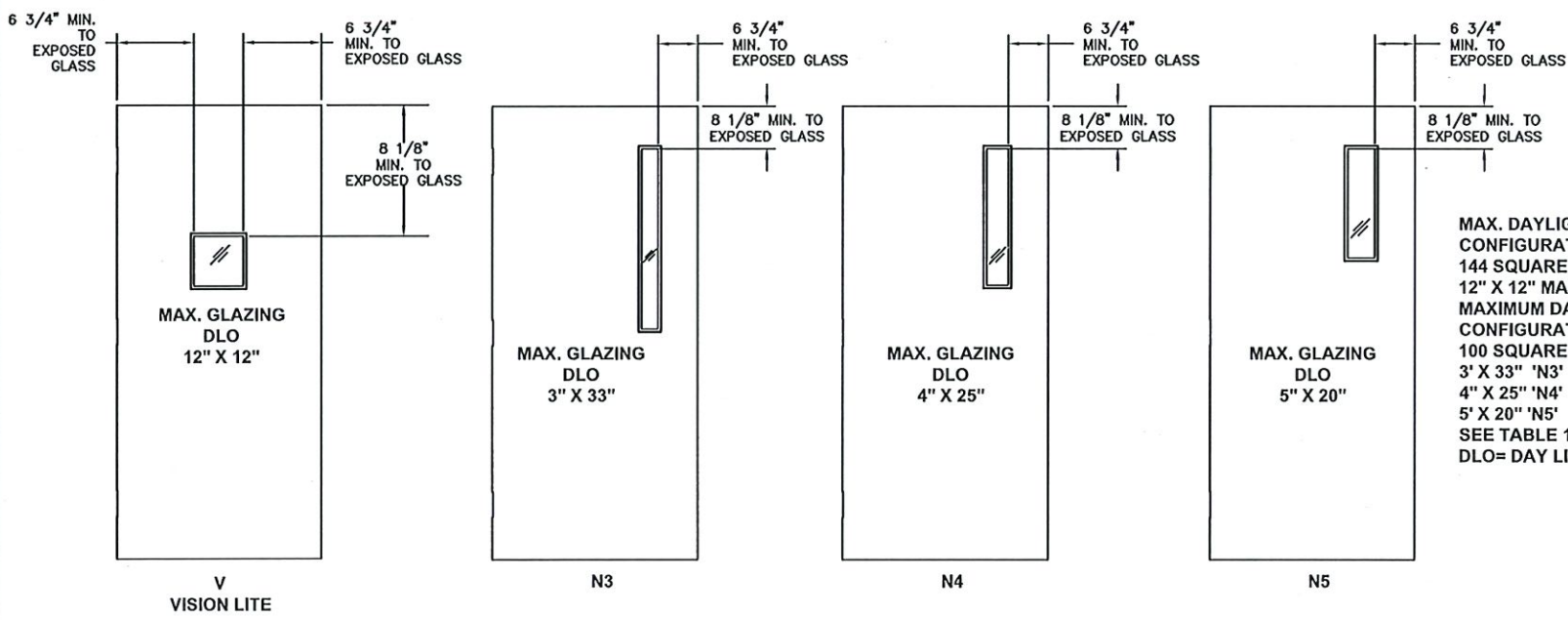
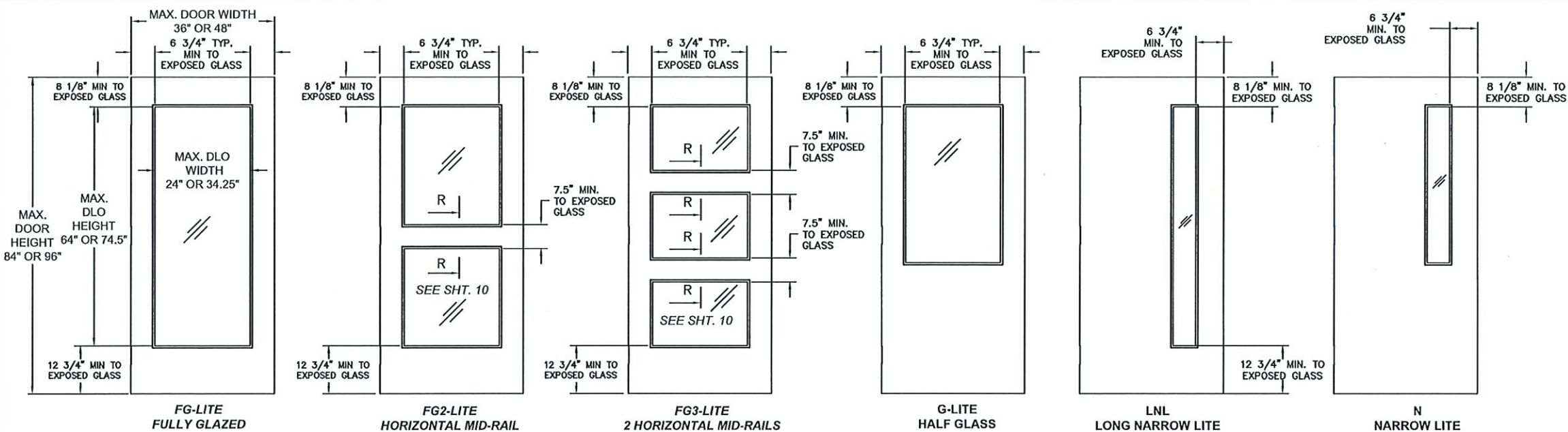
BEND RADIUS	MULLION BASE ANCHORS
THIRD ANGLE PROJECTION	DATE
DRAWN YMF	05/20/07
CHECKED	
APPROVED	
ENG. APPVL JPD	10/12/07

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

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

TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES
FRAME PROFILE, CORNER DETAILS AND DOOR FRAME MATERIAL, AND SIZE OPTIONS

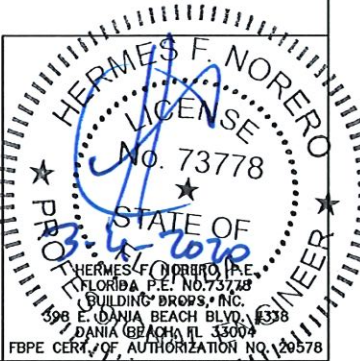
SIZE	FLAT	DWG NO.	IRGD07	REV	M
SCALE:	NTS	AUTOCAD	SHEET 9 OF 20		

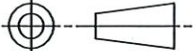


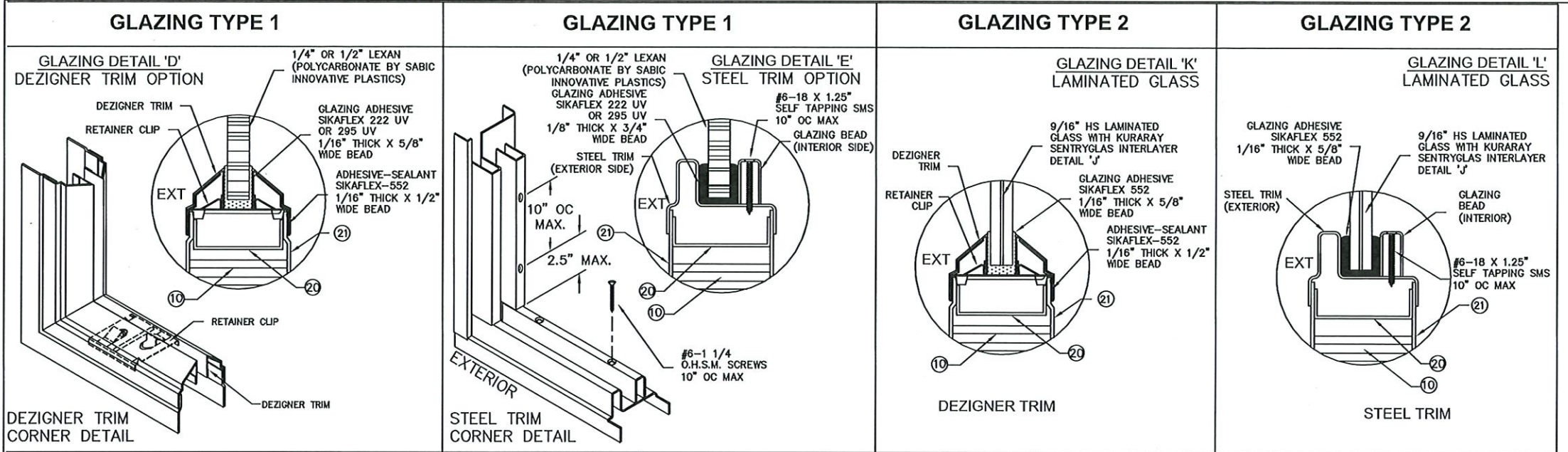
NOTES:

1. DOOR CONSTRUCTION
2. NOMINAL DOOR THICKNESS - 1 3/4"
3. ALL GLASS LITE TYPES SHOWN ON THIS SHEET ARE AVAILABLE FOR ALL DOOR CONFIGURATIONS SHOWN ON SHEET 1 AND TABLE 1 SHEET 2 EXCEPT FOR CONFIGURATIONS 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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as complying with the Florida
Building Code
NOA-No. 20-0310.09
Expiration Date 05/05/2023
By *Ismael I. Chanda*
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 GLASS DOOR CONFIGURATIONS.					
DRAWN YMF	DATE 05/20/07						
CHECKED							
APPROVED		SIZE	FLAT	DWG NO.	IRGD07	REV M	
ENG. APPVL JPD	11/15/07	SCALE	NTS	AUTOCAD	SHEET 10 OF 20		



REVISIONS				
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	

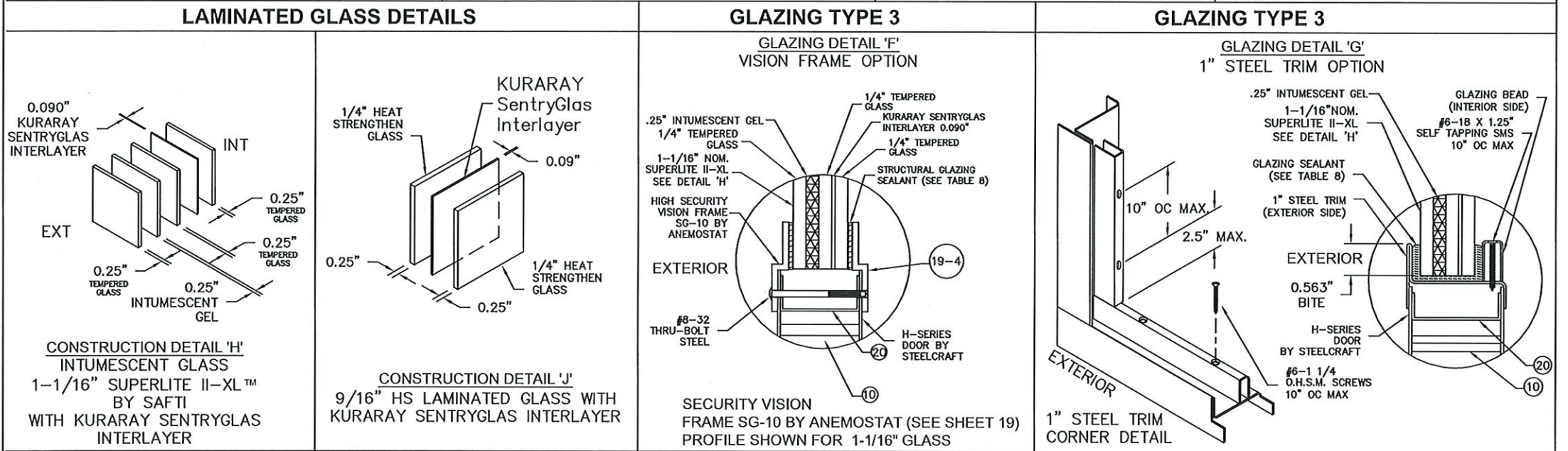
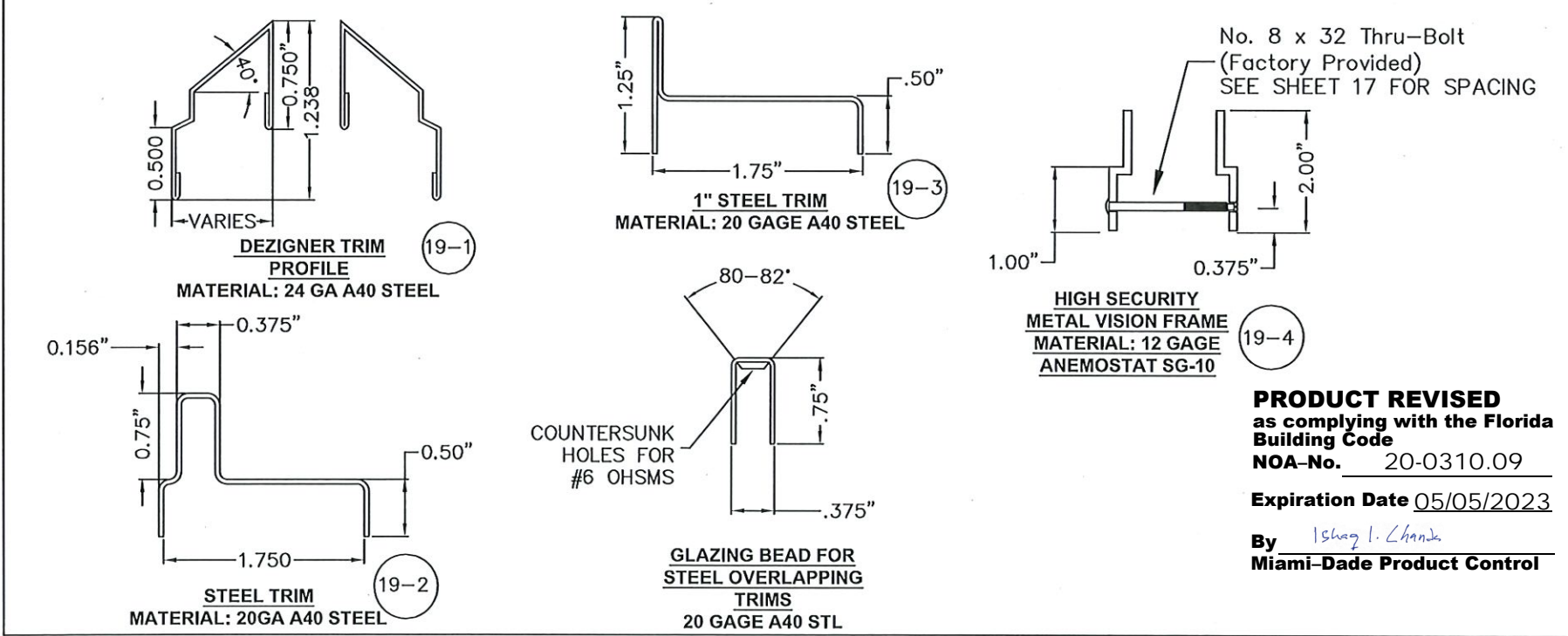


TABLE 8.

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'	DEZIGNER 1/2" OR 1/4"	SIKAFLEX 222UV OR 295UV 1/16" X 5/8" BEAD
2	9/16" HS LAMINATED GLASS WITH KURARAY SENTRYGLAS INTERLAYER DETAILS 'J', 'K' & 'L'	DEZIGNER 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 ANEMOSTAT (DETAIL 'F')	SIKAFLEX 552 OR DOW CORNING 995/983 1/16" X 5/8" BEAD



NOTES:

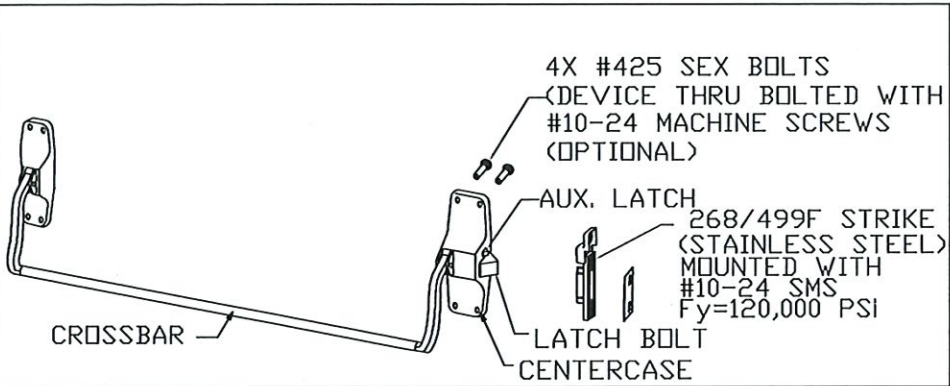
- SEE SHT.1 FOR ELEVATIONS, SHT.2 FOR SIZES AND SHT.9 FOR DOOR & FRAME MATERIAL SPECIFICATIONS.
- SEE SHTS. 4 & 20 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM AND REQUIREMENTS, AND SHEETS 9 & 13 FOR MULLION ANCHORING.
- SEE SHT. 9 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
- APPROVED HARDWARE ON SHEETS 1, 2, 3, 5, 6, 12-15, AND 19
- HARDWARE TO BE INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

BEND RADIUS		THIRD ANGLE PROJECTION	
DRAWN	DATE	TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOOR WITH AND WITHOUT PANIC EXIT DEVICES	
YMF	05/20/07	GLASS TRIM OPTIONS.	
CHECKED			
APPROVED		SIZE	FLAT
ENG. APPVL	11/15/07	DWG NO.	IRGD07
JPD		SCALE:	NTS AUTOCAD
		SHEET	11 of 20

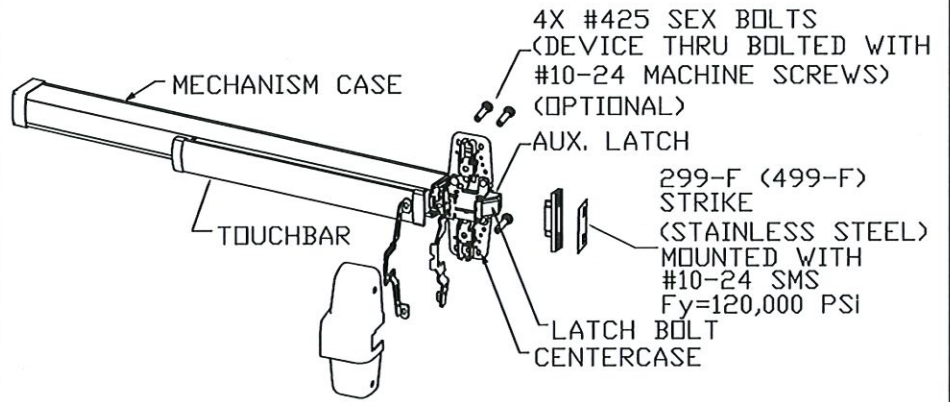
MANUFACTURING FACILITY:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
P.E. NO. 73778
BUILDING*DRIPS, INC.
998 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

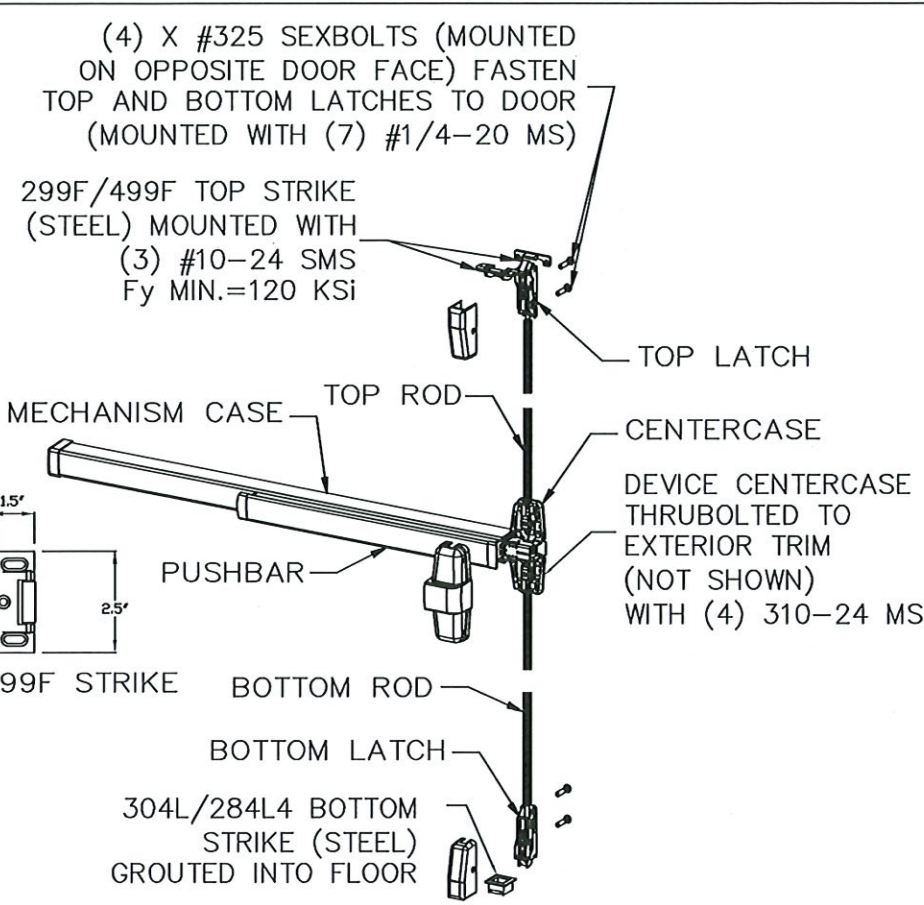
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Miami-Dade Product Control



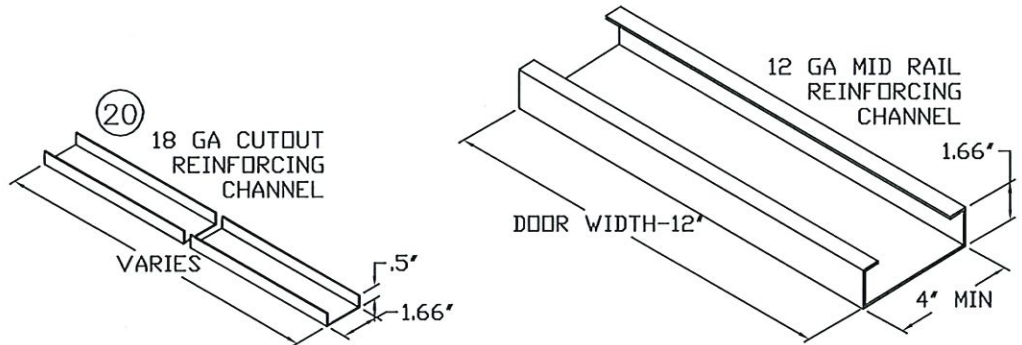
VON DUPRIN 88-F RIM DEVICE, USED IN CONFIGURATIONS: 1 & 2



VON DUPRIN 98/99(F) RIM DEVICE
USED IN CONFIGURATIONS: 1 & 2



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

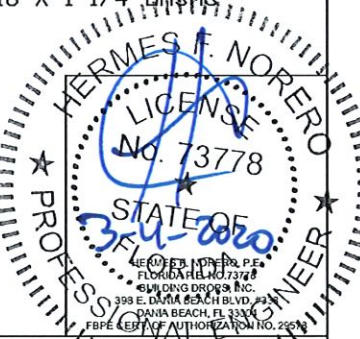
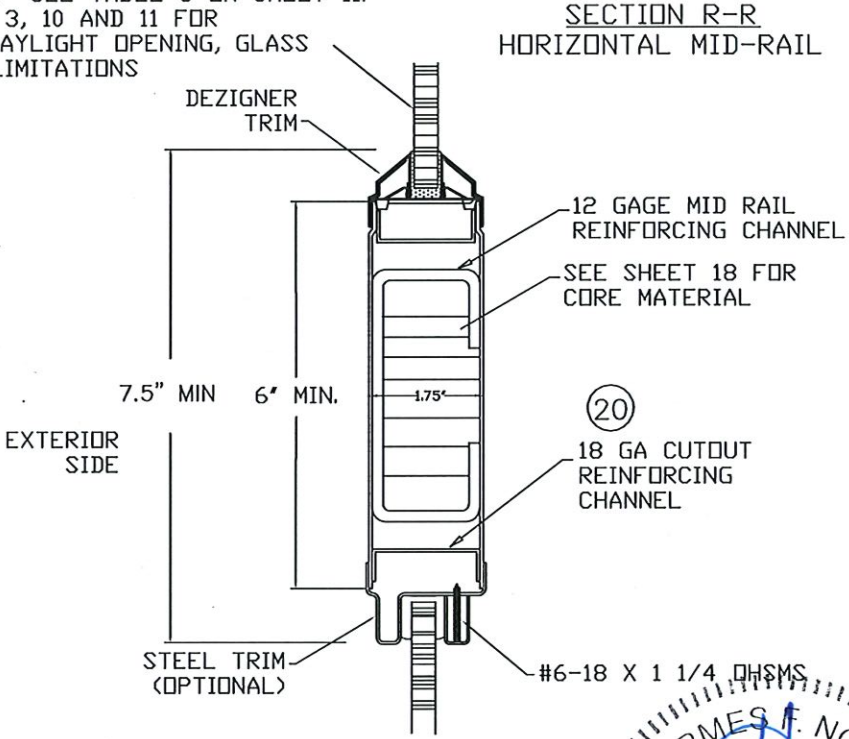


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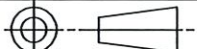
REVISIONS

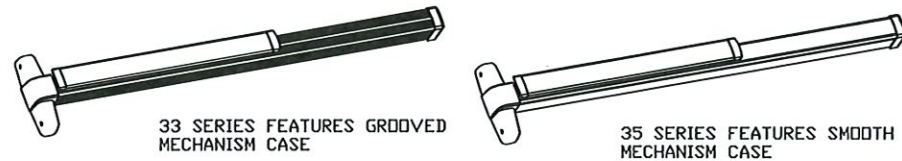
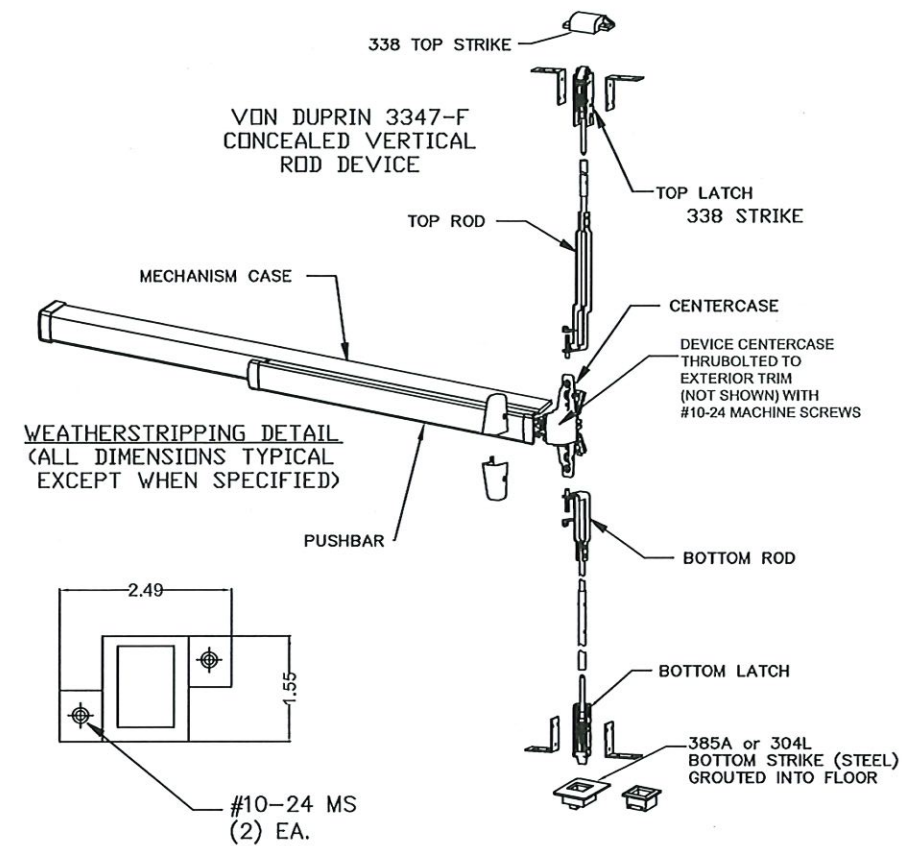
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07
C	REVISED DWG	RAP	12/14/07
D	REVISED DWG	YMF	12/14/08
E	REVISED PER_MDBCCD	YMF	02/05/09
F	REVISED PER_MDBCCD	YMF	01/04/10
G	REVISED PER_MDBCCD	YMF	04/08/10
H	REVISED NAME	JPD	11/01/13
J	REVISED DWG	JPD	02/01/15
K	REVISED DWG	JPD	05/05/15
L	ENGINEER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

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

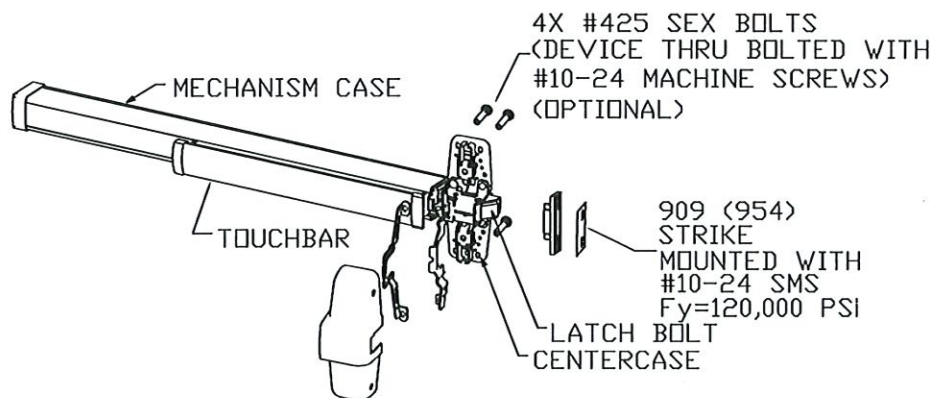


NOTES:
1. ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL.
2. EXIT HARDWARE OPTIONS:
FOR 98/99 & XP98/99 SERIES - FUNCTIONS E, RX, LX, SS, EL, QEL, CX, F; TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 88-F SERIES - FUNCTION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

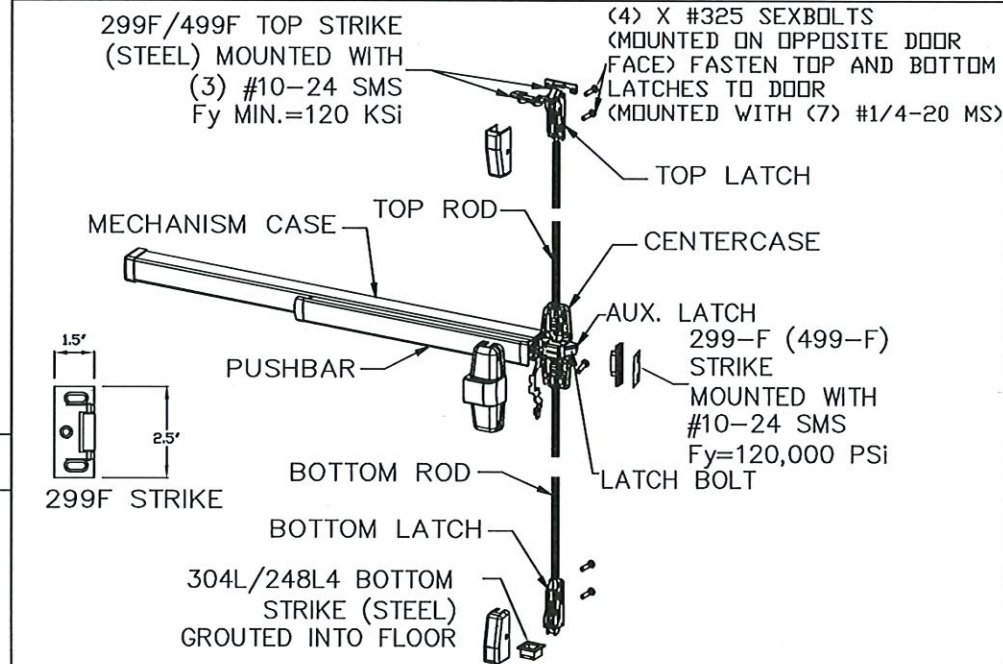
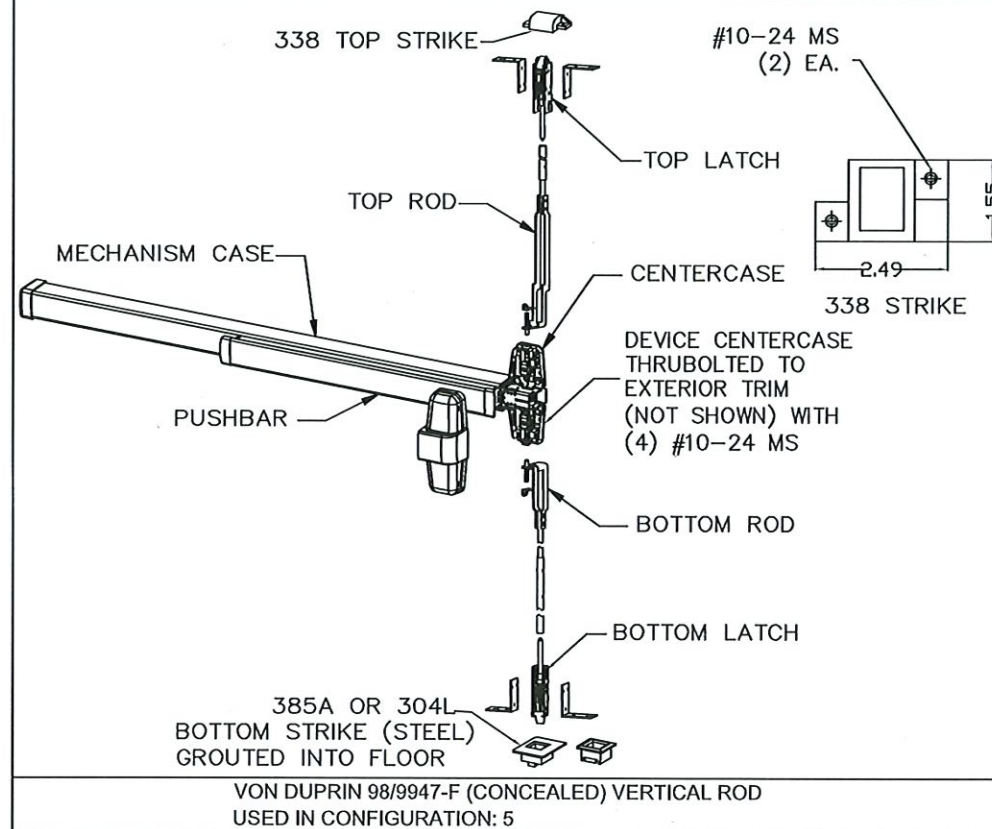
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242			
									
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT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



VON DUPRIN 33/3547-F CONCEALED VERTICAL ROD DEVICE
USED IN CONFIGURATIONS: 5



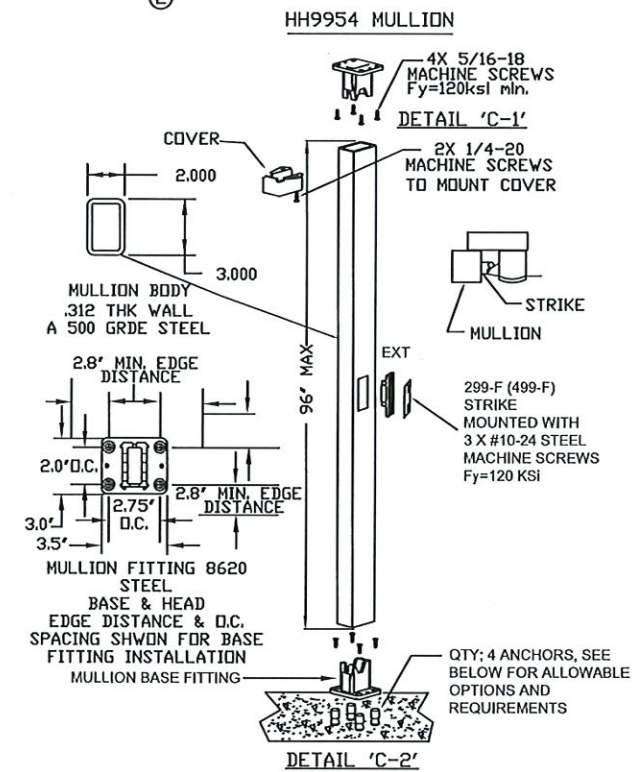
VON DUPRIN XP98/99(F) RIM DEVICE
USED IN CONFIGURATIONS: 3A & 3B



VON DUPRIN 98/9957(F) THREE POINT EXIT DEVICE
USED IN CONFIGURATIONS: 6, 7, 8 & 9

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 - FUNCTIONS E, RX, LX, SS, EL, QEL, CX, F (OPTIONS MAY VARY PER SERIES)
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 33/35-F SERIES - FUNCTIONS RX, LX, EL, SS
TRIM: ALL APPLICABLE TRIMS AVAILABLE.

VON DUPRIN MULLION
②



MULLION ANCHOR NOTES:
ANCHORS SHALL BE INSTALLED IN 3000 PSI CONCRETE (SEE ABOVE FOR SPACING REQUIREMENTS), ALLOWABLE ANCHOR TYPES ARE 1/4\"/>

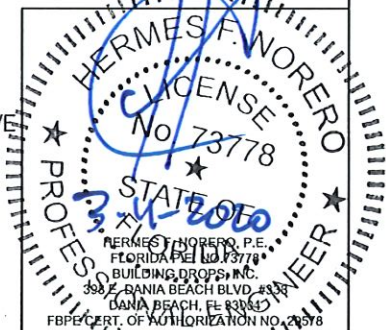
REVISIONS

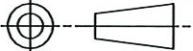
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C	REVISED DWG RAP	12/14/07	
D	REVISED DWG YMF	12/14/08	
E	REVISED PER_MDBCCD YMF	02/05/09	
F	REVISED PER_MDBCCD YMF	01/04/10	
G	REVISED PER_MDBCCD YMF	04/08/10	
H	REVISED NAME JPD	11/01/13	
J	REVISED DWG JPD	02/01/15	
K	REVISED DWG JPD	05/05/15	
L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

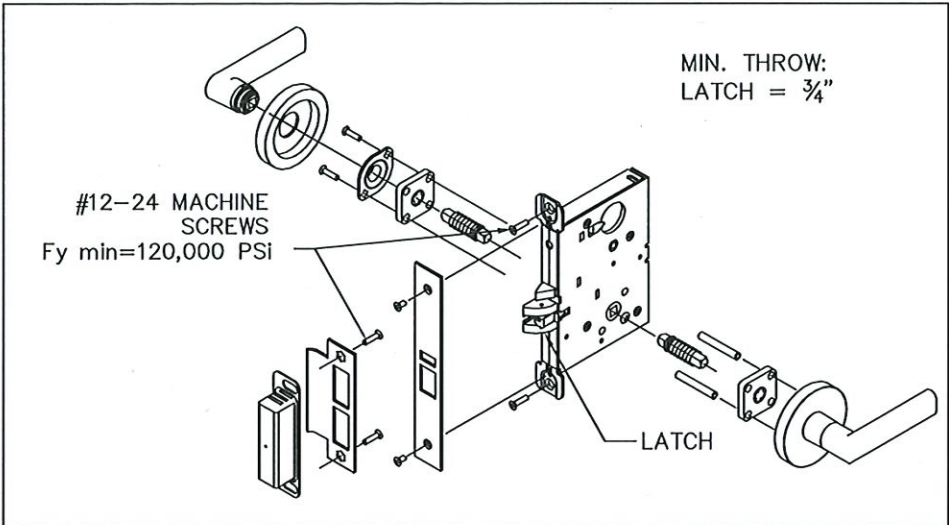
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0310.09

Expiration Date 05/05/2023

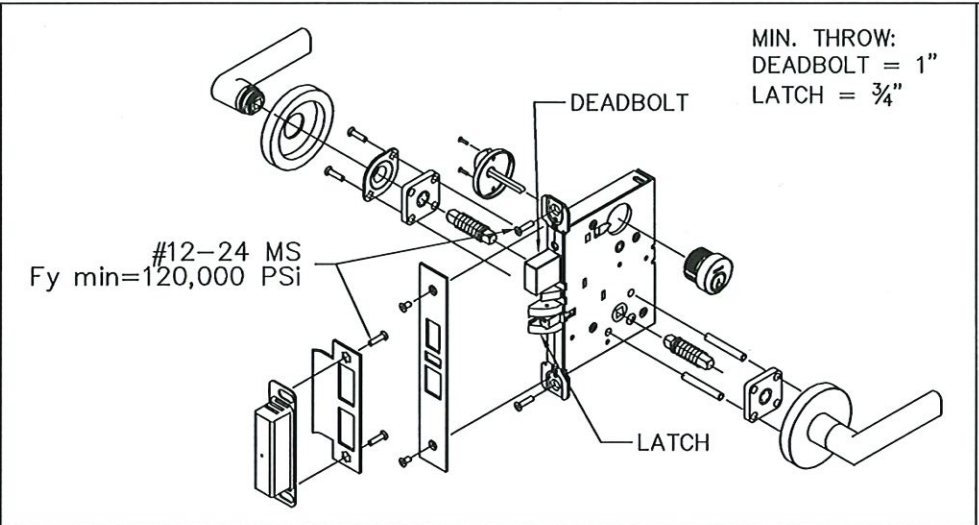
By Isaac I. Chan
Miami-Dade Product Control



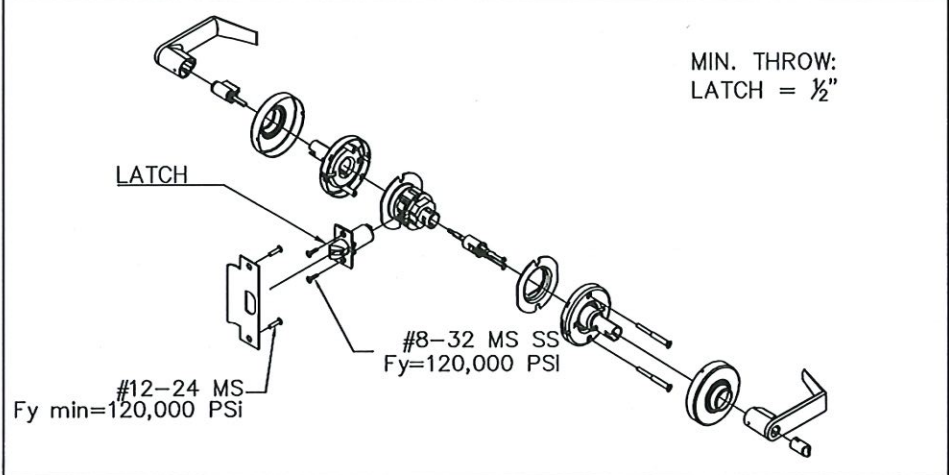
BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div> <div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>					
<div></div> <div>THIRD ANGLE PROJECTION</div>							
DRAWN YMF		DATE 05/20/07		<div>TITLE: STEELCRAFT H SERIES DOUBLE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



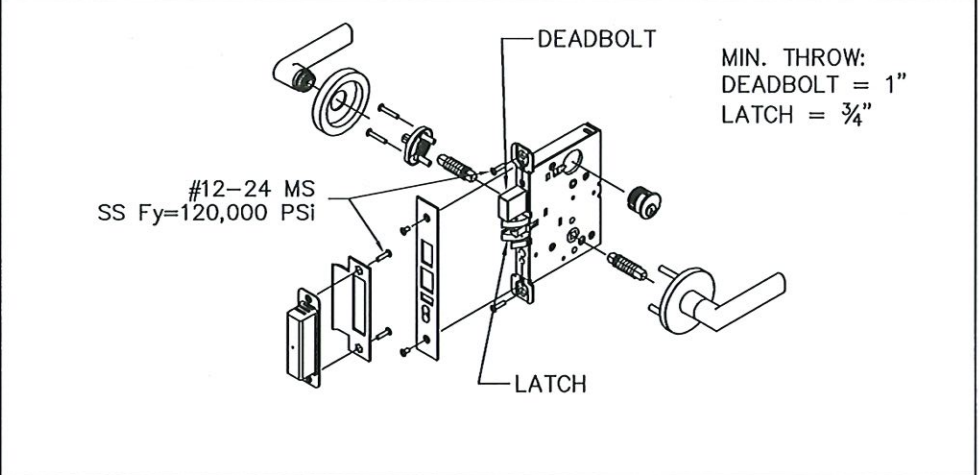
SCHLAGE L/LV 9000 SERIES MORTISE LOCKSET W/O DEADBOLT
USED IN CONFIGURATIONS: 10



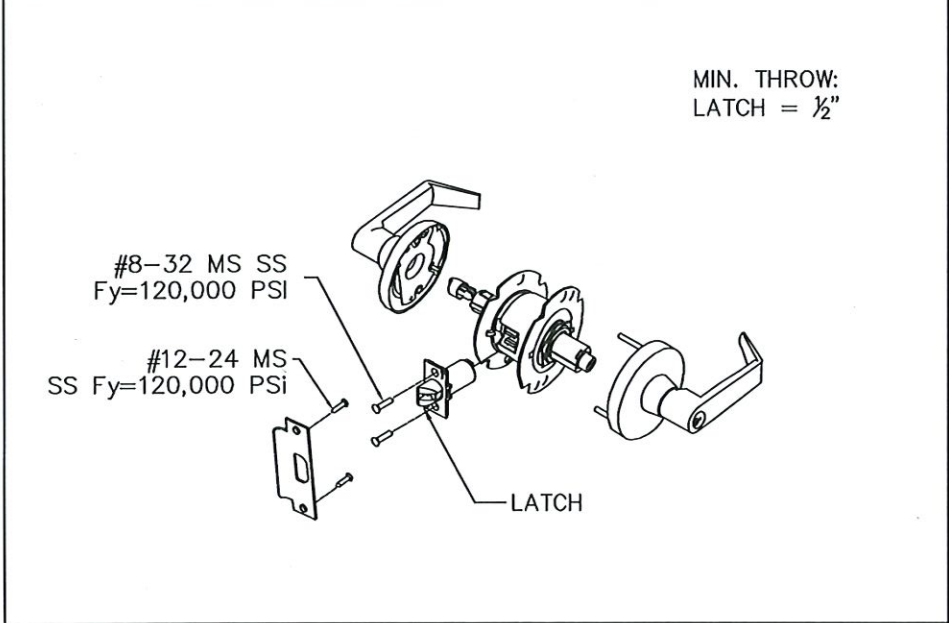
SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET W/ DEADBOLT
USED IN CONFIGURATIONS: 10



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



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



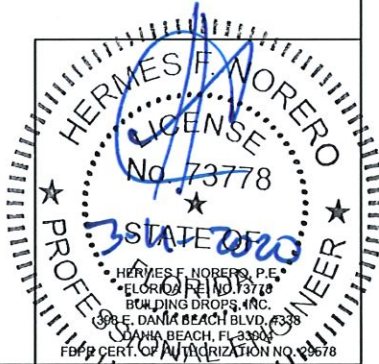
FALCON, T-SERIES CYLINDRICAL LEVER LOCKSET
(MIN. 1/2" THROW LATCH). USED IN CONFIGURATIONS: 11

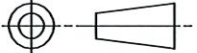
REVISIONS

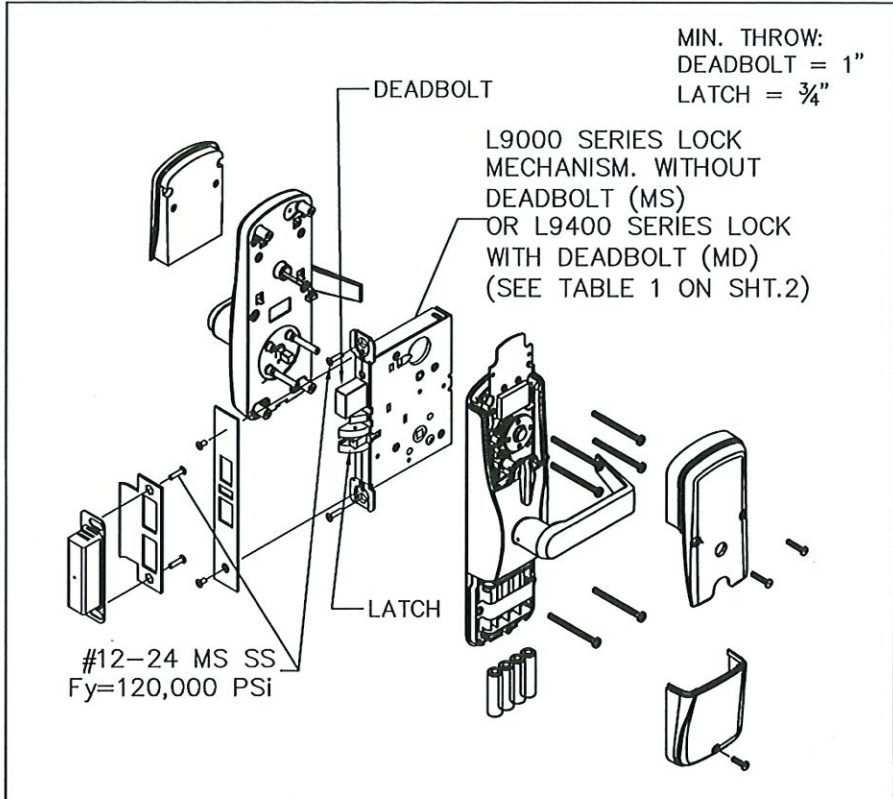
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A	APPROVAL DWG YMF	05/20/07	
B	REVISED DWG RAP	11/26/07	
C	REVISED DWG RAP	12/14/07	
D	REVISED DWG YMF	12/14/08	
E	REVISED PER_MDBCCO YMF	02/05/09	
F	REVISED DWG YMF	12/18/09	
G	REVISED PER_MDBCCO YMF	04/08/10	
H	REVISED NAME JPD	11/01/13	
J	REVISED 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	

PRODUCT REVISED
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Building Code
NOA-No. 20-0310.09
Expiration Date 05/05/2023
By Ishag I. Chande
Miami-Dade Product Control

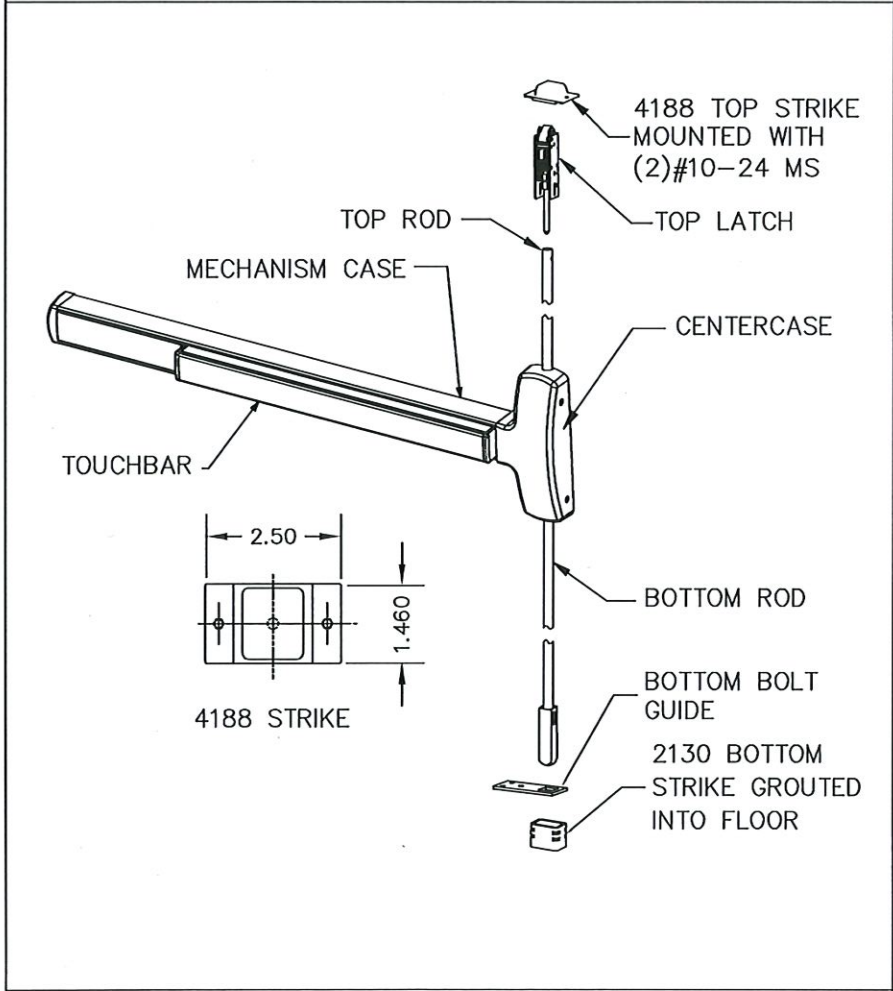
NOTE:
ELECTRICAL FUNCTIONS/INSTALLATION
AND FIRE RATINGS ARE NOT PART OF THIS
APPROVAL AND TO BE REVIEWED AND
APPROVED BY BUILDING OFFICIAL.



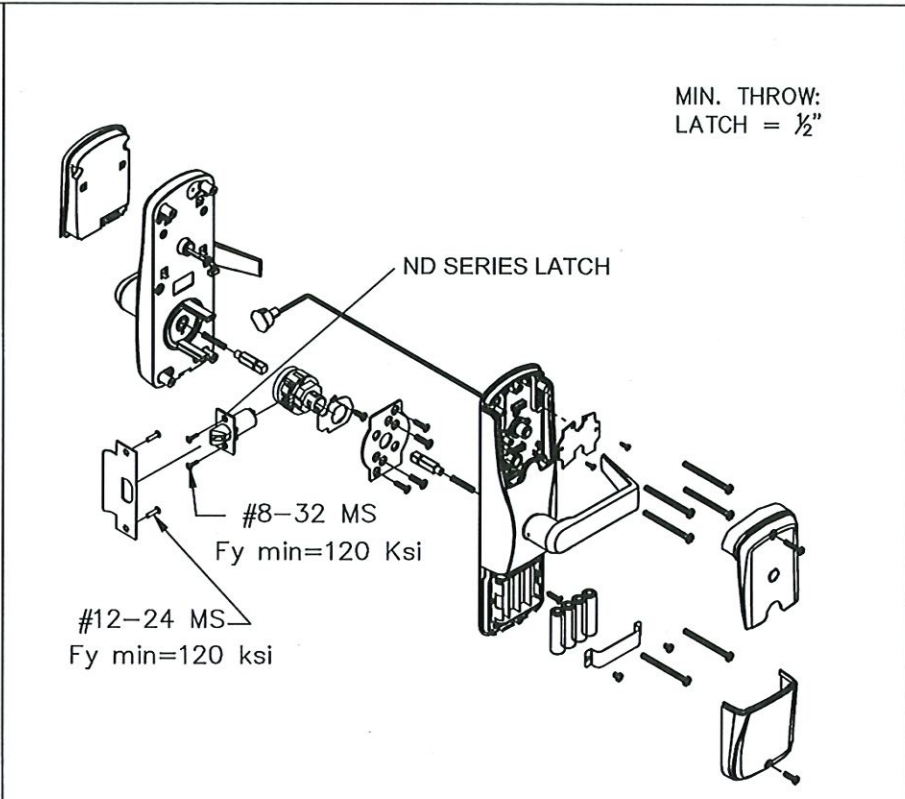
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242								
													
THIRD ANGLE PROJECTION													
DRAWN YMF		DATE 05/20/07		TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES HARDWARE FOR GLASS DOUBLE DOORS.									
CHECKED													
APPROVED				SIZE		FLAT	DWG NO.		IRGD07		REV M		
ENG. APPVL JPD		11/15/07		SCALE:		NTS		AUTOCAD				SHEET 14 of 20	



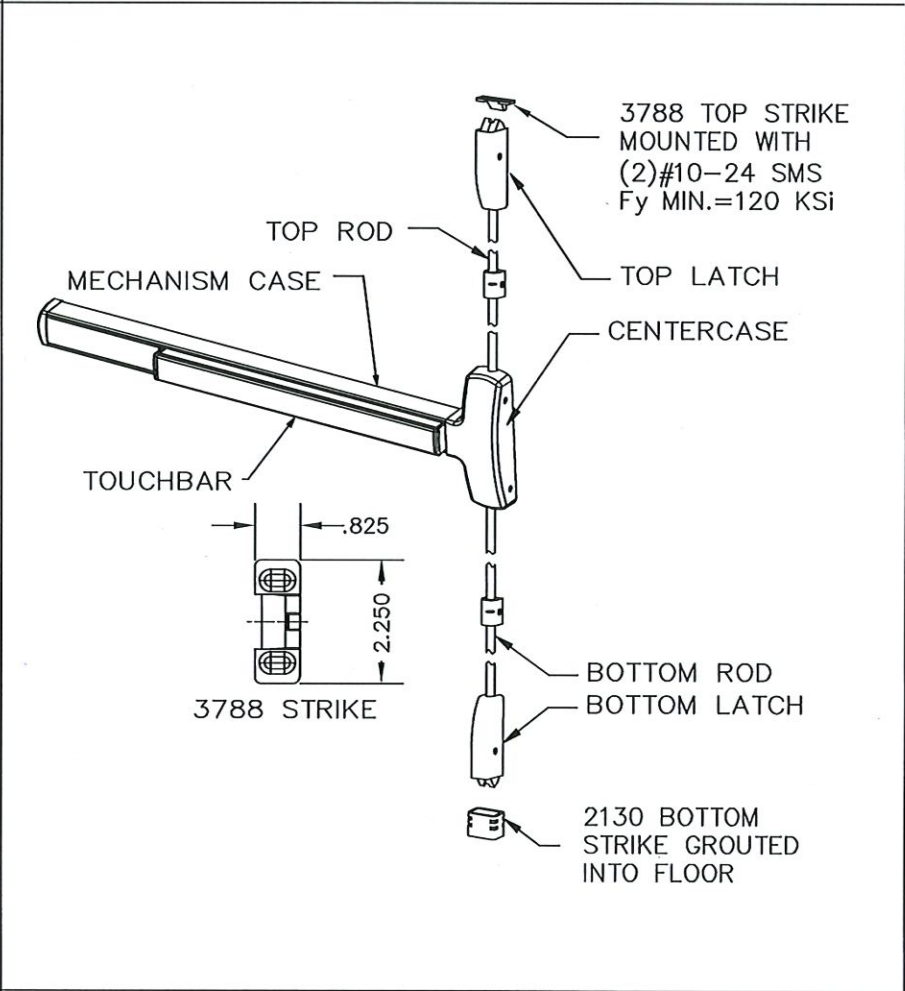
SCHLAGE AD/CO MD OR MS SERIES MORTISE LOCKSET
USED IN CONFIGURATIONS: 10 (SEE SHT. 1)



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



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



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

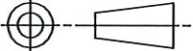
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
F	ADDED	12/18/09	
G	REVISED_PER_MDBCCO	04/08/10	
H	REVISED_NAME	11/01/13	
J	REVISED	05/05/15	
L	ENGINEER CHANGE LA	03/14/17	
M	ADDRESS UPDATE SM	02/27/20	

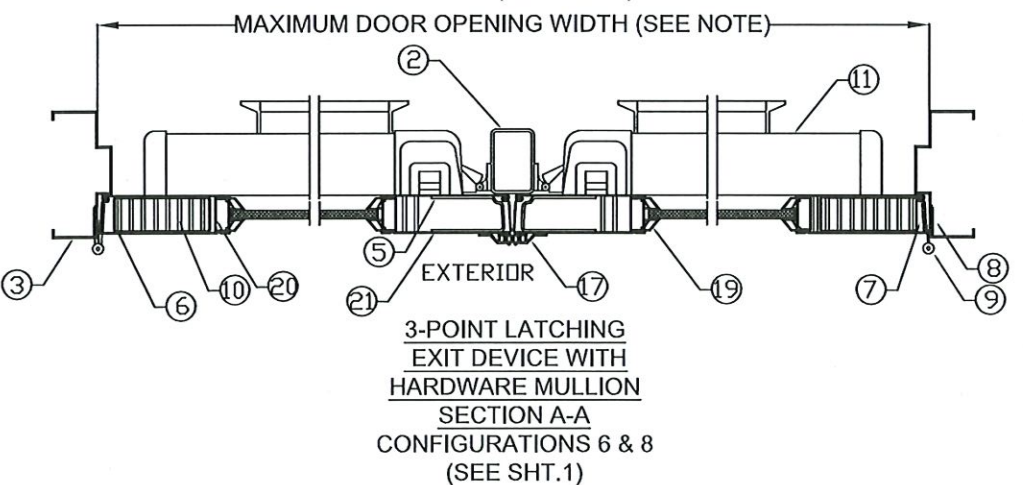
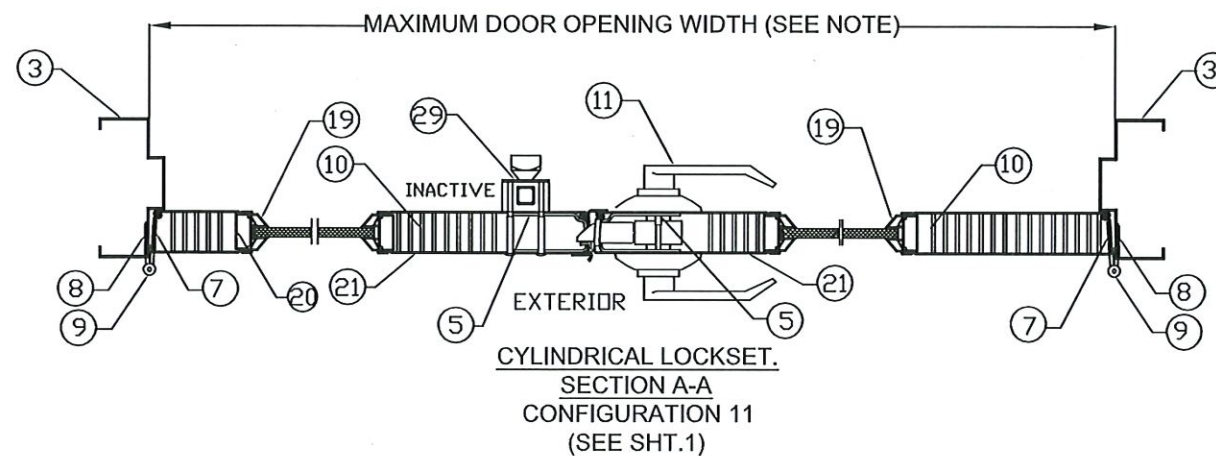
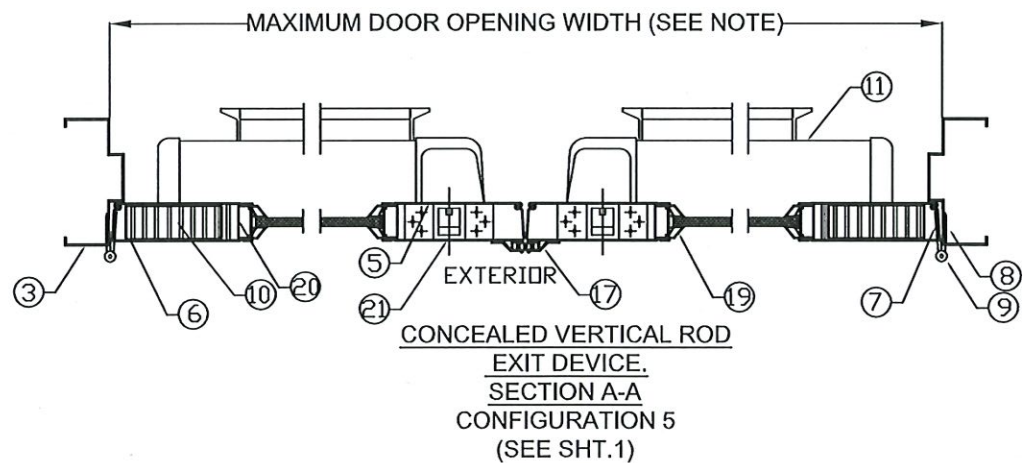
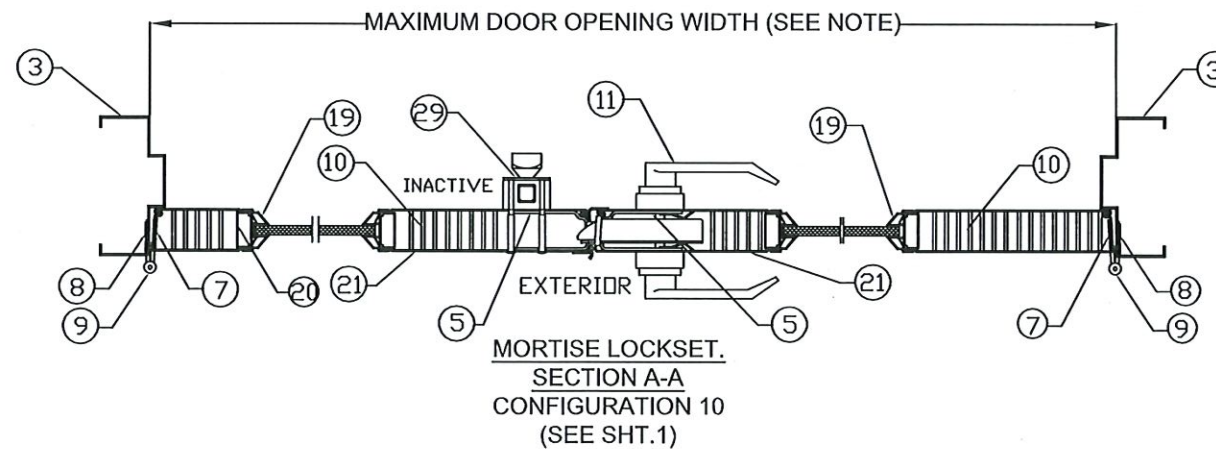
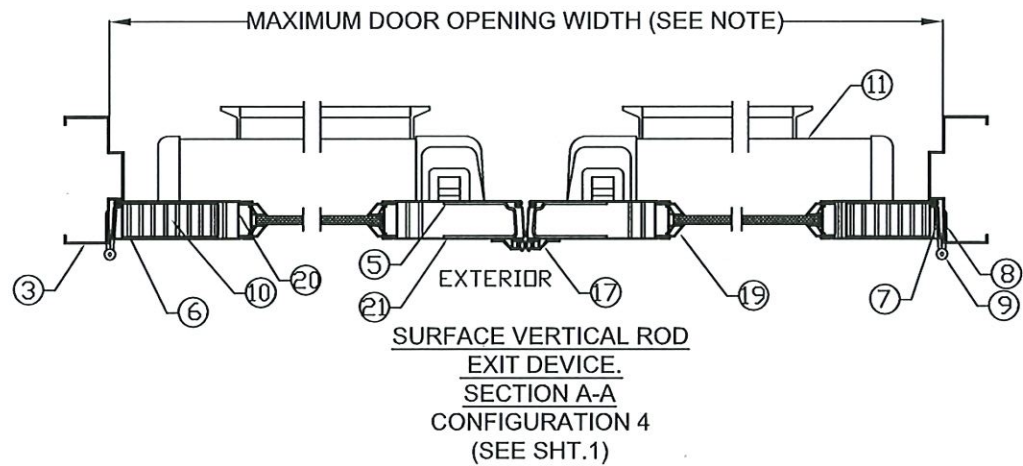
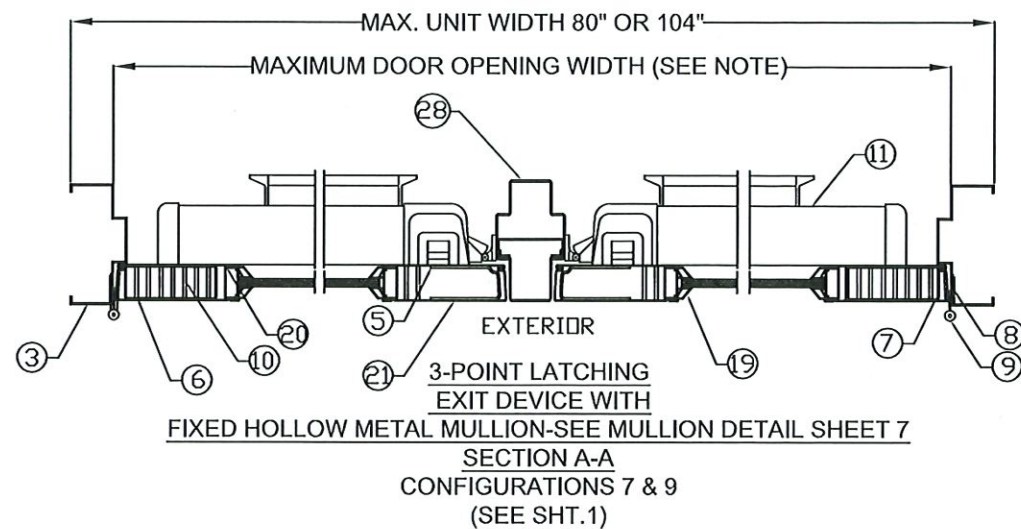
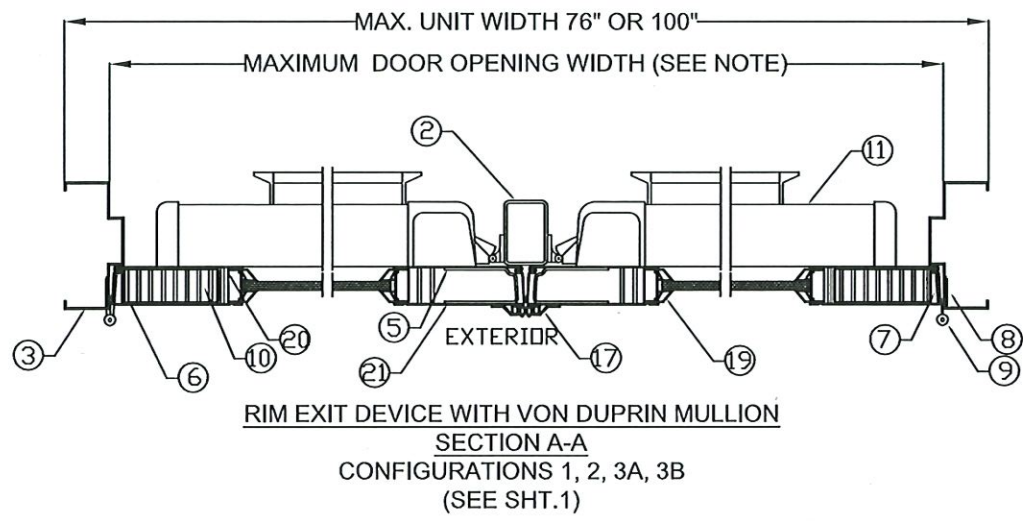
EXIT HARDWARE OPTIONS:
F-25-C & (F)25-V SERIES - FUNCTIONS AE,
DM, LM, LK, KOR, ED, EL, EA, FSA, FSE, HWEA
TRIMS: ALL APPLICABLE TRIMS AVAILABLE

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

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-0310.09
Expiration Date 05/05/2023
By Ishaq I. Chande
Miami-Dade Product Control



BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242		
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 M
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.

REVISIONS				
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	

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



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.

HORIZONTAL CROSS SECTIONS FOR GLASS DOUBLE DOORS.

SIZE

FLAT

DWG NO.

IRGD07

REV

M

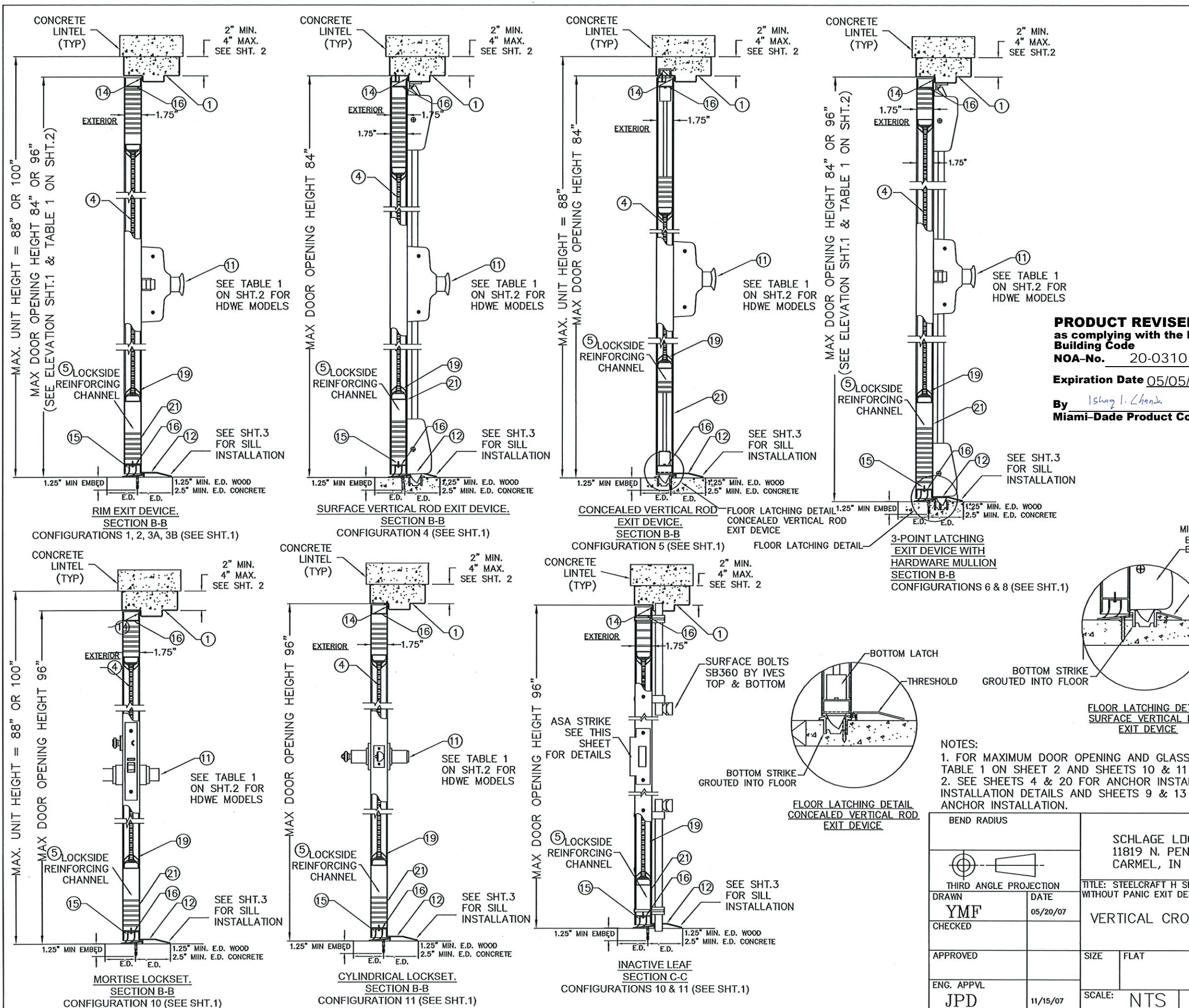
SCALE

NTS

AUTOCAD

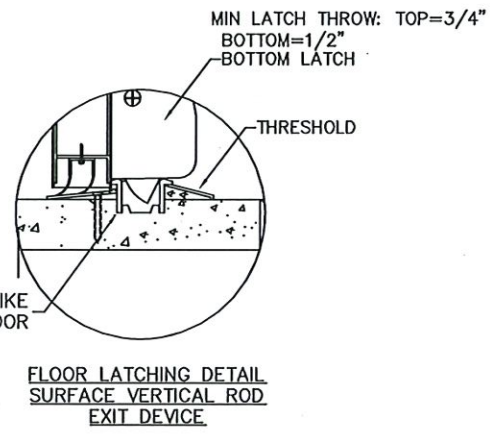
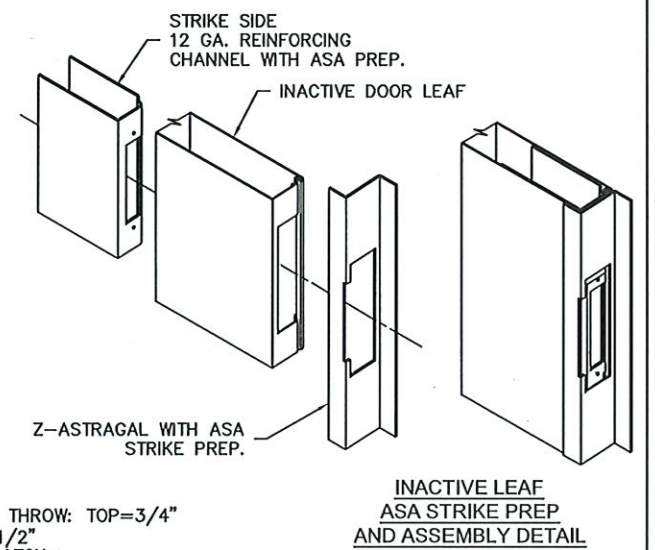
SHEET

16 OF 20

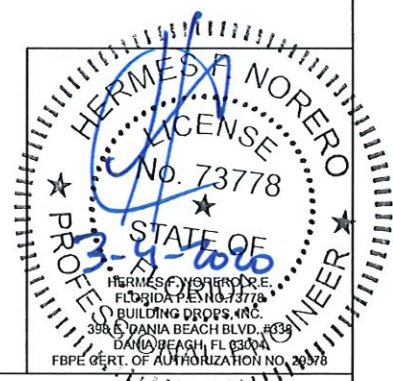


REVISIONS				
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C	REVISED DWG	RAP	12/14/07	
D	REVISED DWG	YMF	12/14/08	
E	REVISED PER_MDBCCO	YMF	02/05/09	
F	REVISED NEW_NUMBER	YMF	01/04/10	
G	REVISED NEW_NUMBER	YMF	04/08/10	
H	REVISED NAME	JPD	11/01/13	
J	REVISED DWG	JPD	02/01/15	
K	REVISED DWG	JPD	05/05/15	
L	ENGINEER CHANGE	LA	03/14/17	
M	ADDRESS UPDATE	SM	02/27/20	

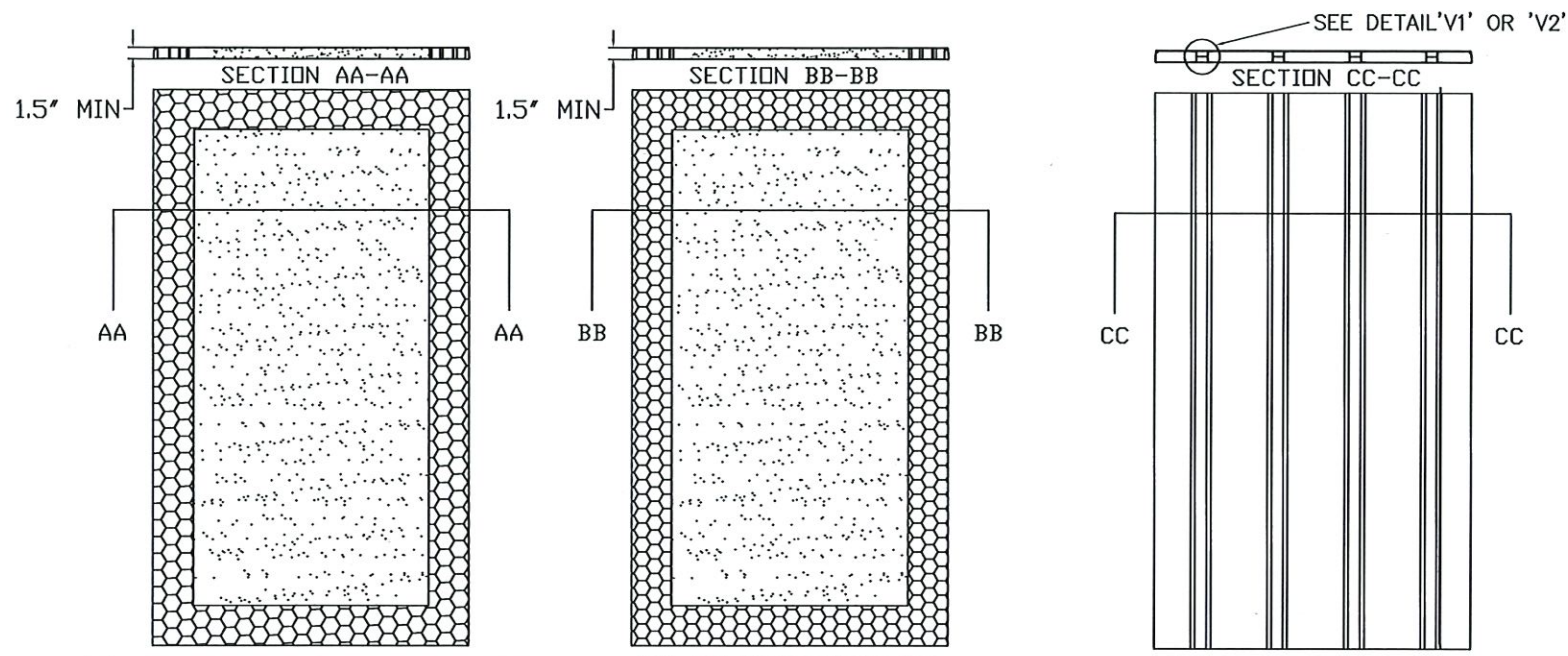
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-0310.09
Expiration Date 05/05/2023
By *Ishag I. Chank*
Miami-Dade Product Control



- NOTES:
- 1. FOR MAXIMUM DOOR OPENING AND GLASS (DLO) SIZE, SEE TABLE 1 ON SHEET 2 AND SHEETS 10 & 11 FOR LIMITATIONS.
 - 2. SEE SHEETS 4 & 20 FOR ANCHOR INSTALLATION AND SILL INSTALLATION DETAILS AND SHEETS 9 & 13 FOR MULLION ANCHOR INSTALLATION.

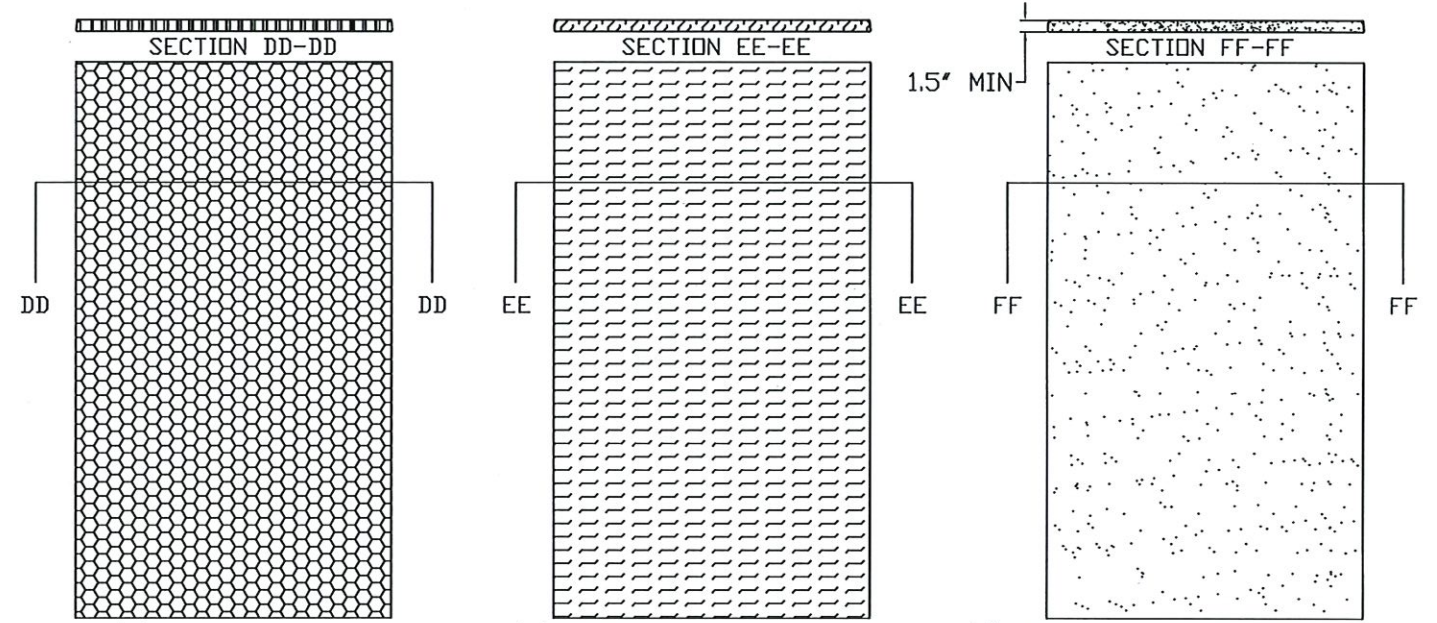


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	VERTICAL CROSS SECTIONS FOR GLASS DOUBLE DOORS.			
CHECKED		SIZE FLAT	DWG NO. IRGD07	REV M	
APPROVED		SCALE: NTS	AUTOCAD	SHEET 17 OF 20	
ENG. APPVL JPD	11/15/07				



(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



(D) HONEYCOMB
KRAFT PAPER.

(E) TEMPERATURE RISE CORE
MINERAL FIBER BOARD
DENSITY: 17±1.5 LBS/FT³
PYROPHOBIC SYSTEMS LTD
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

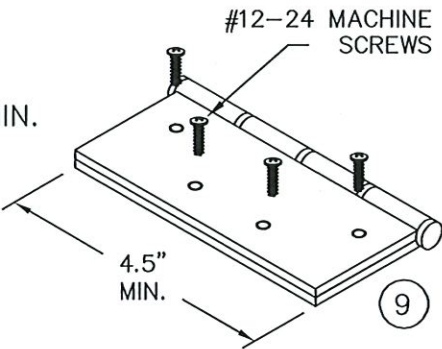
R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
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B	REVISED DWG	JPD	02/01/15	
C	REVISED DWG	JPD	05/05/15	
L	ENGINEER CHANGE	LA	03/14/17	
M	ADDRESS UPDATE	SM	02/27/20	

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Expiration Date 05/05/2023
By Isheq L. Chanik
Miami-Dade Product Control

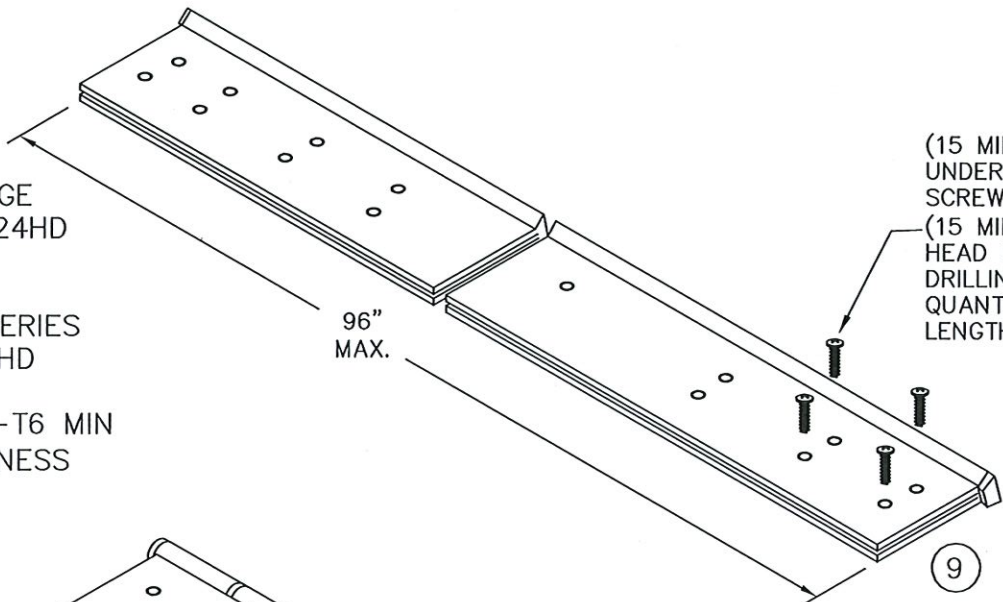
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN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



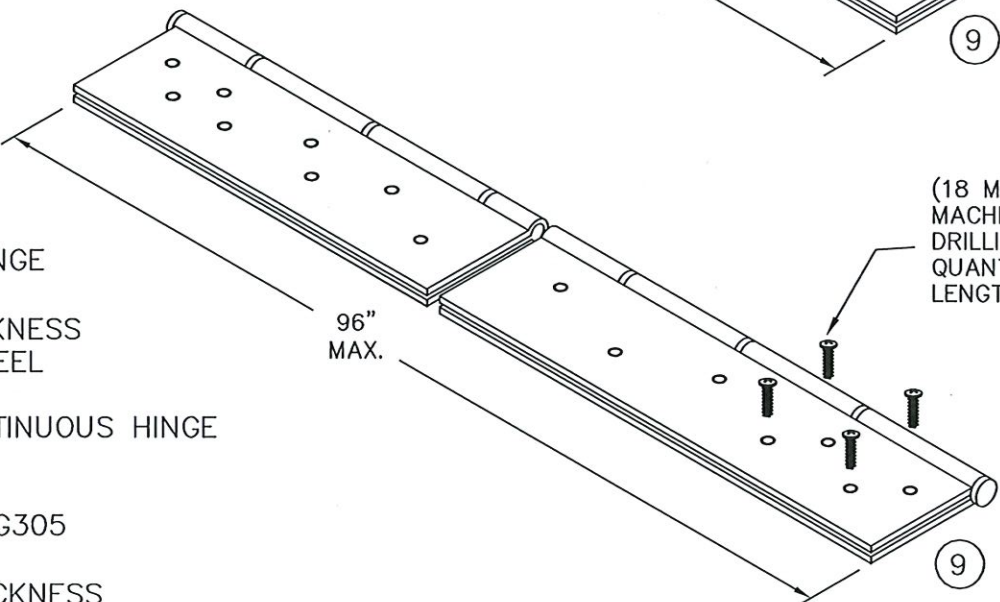
STEEL BUTT HINGE
IVES 5BB1/3CB1
STANLEY FBB179/1900
HAGER BB1279
4.5" X 4.5" STD. WT. MIN.
.134" MIN. THICKNESS
Fy MIN. = 36ksi



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



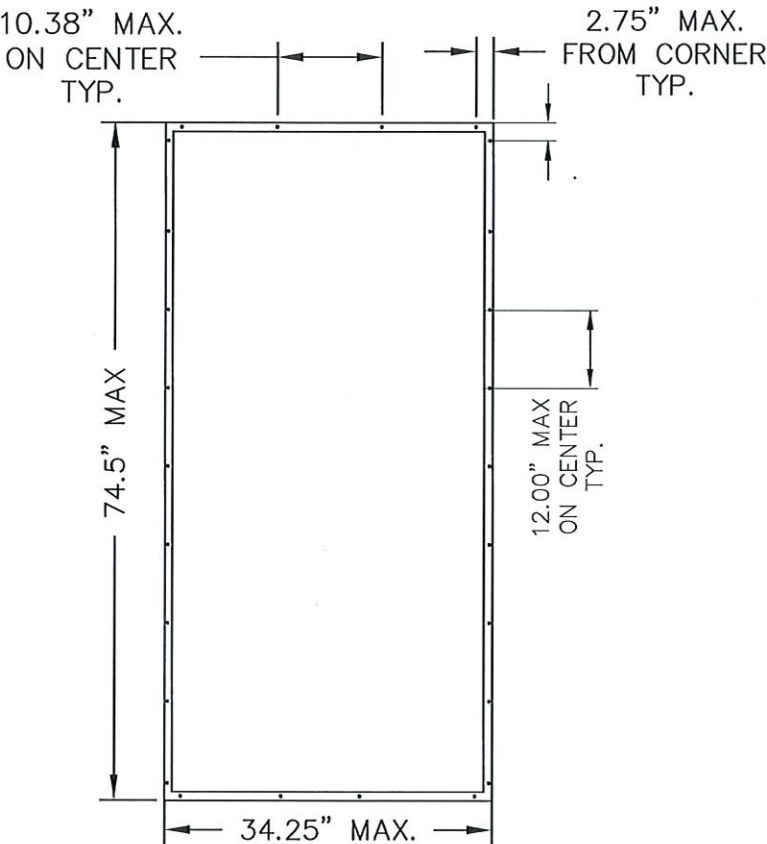
STEEL CONTINUOUS HINGE
IVES 600
.075 (14GA) MIN. THCKNESS
1012 COLD ROLLED STEEL
Fy MIN. 45ksi
STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
HAGER 790-900
MARKAR FM-300 & HG305
ABH A500
.075" (14GA) MIN. THICKNESS
304 STAINLESS STEEL
Fy MIN. 31ksi



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

REVISIONS

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	

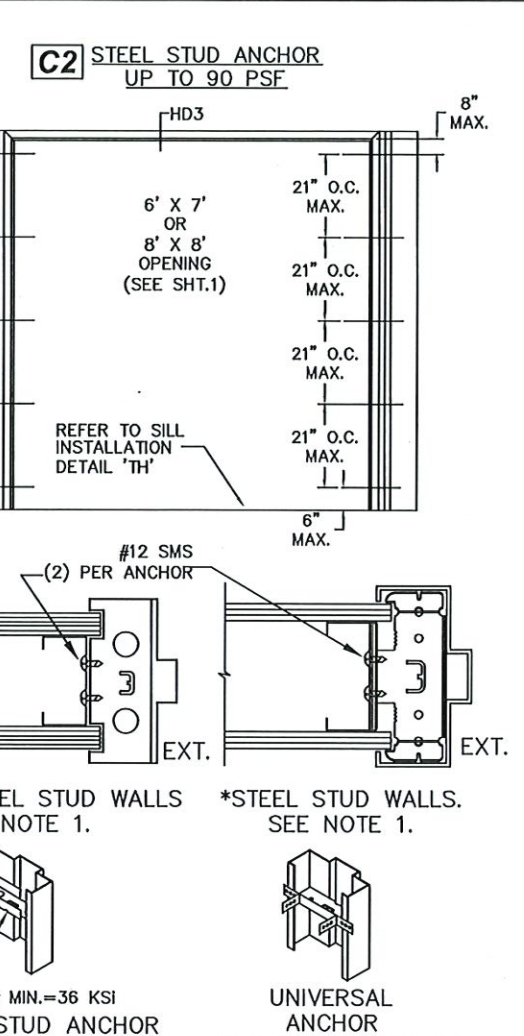
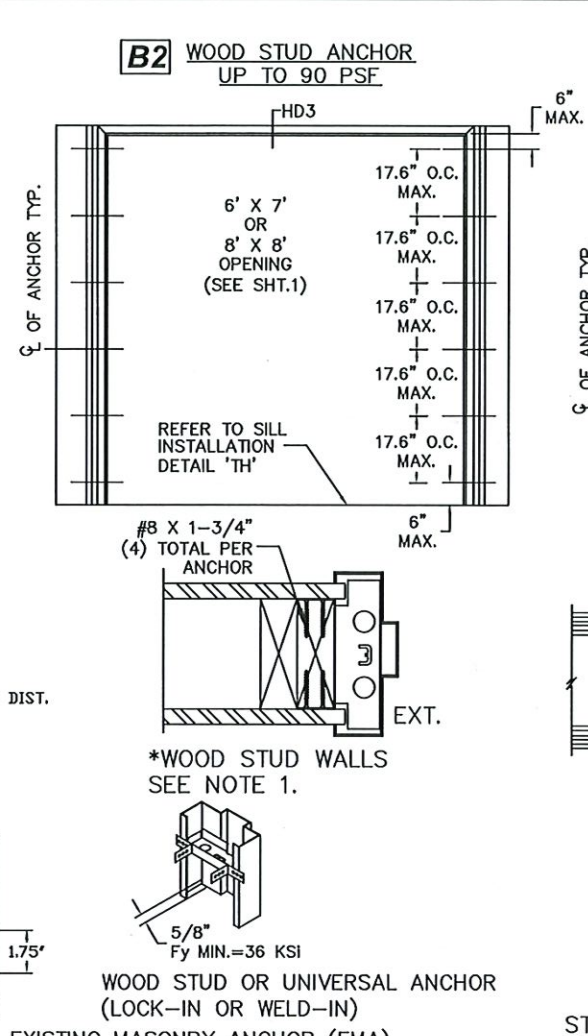
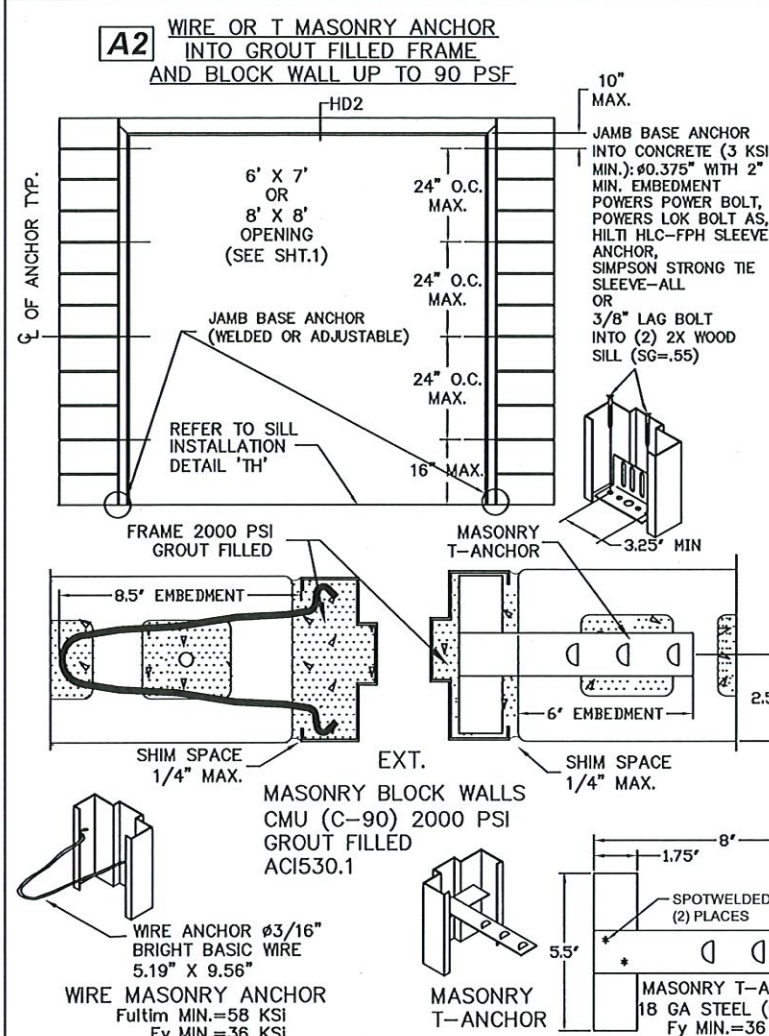


ANEMOSTAT SG-10 HIGH
SECURITY METAL VISION FRAME
SEE SHEET 11 ITEM 19-4
AND GLAZING DETAIL F
AND SHEET 3 ITEM 19-4

PRODUCT REVISED
as complying with the Florida
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Expiration Date 05/05/2023
By Ishag I. Chande
Miami-Dade Product Control

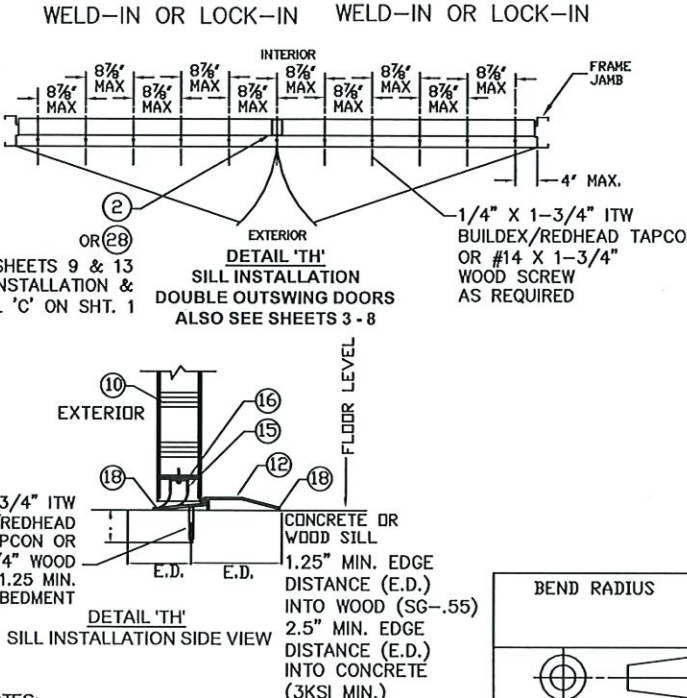
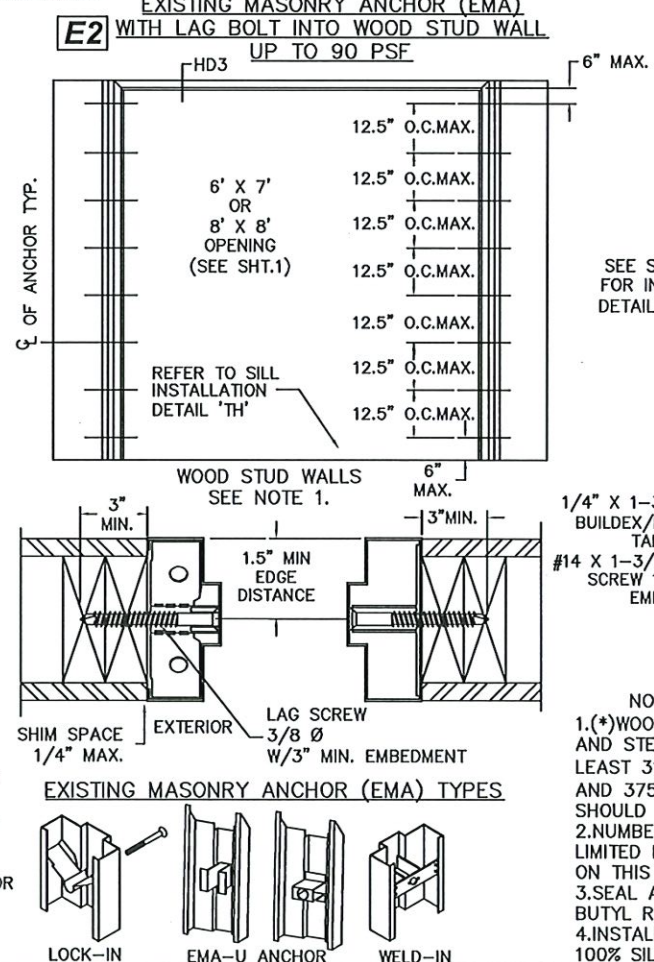
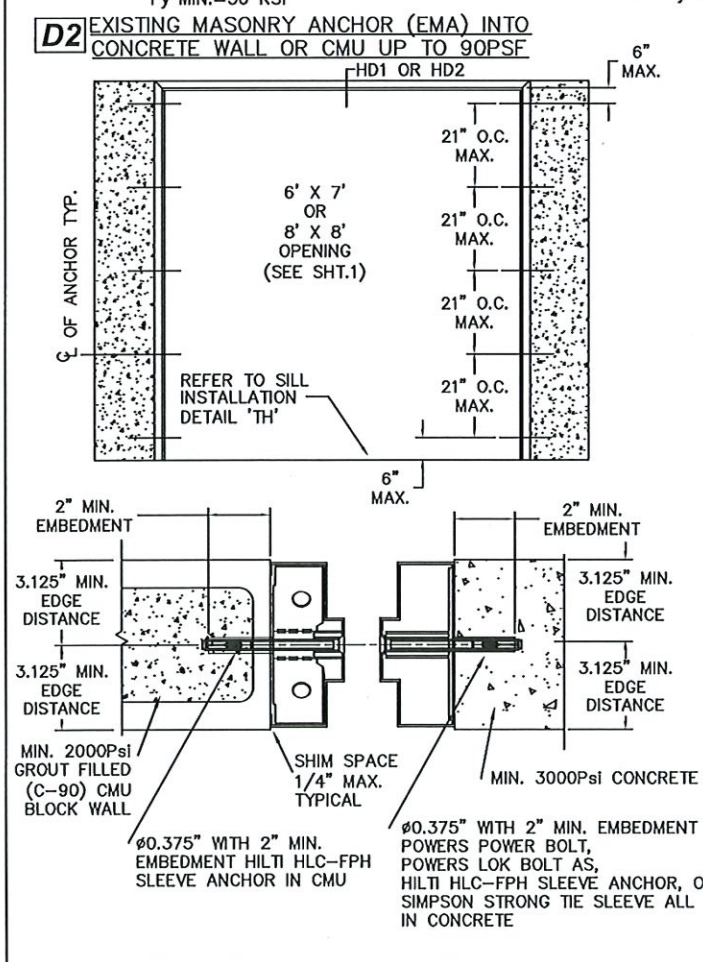
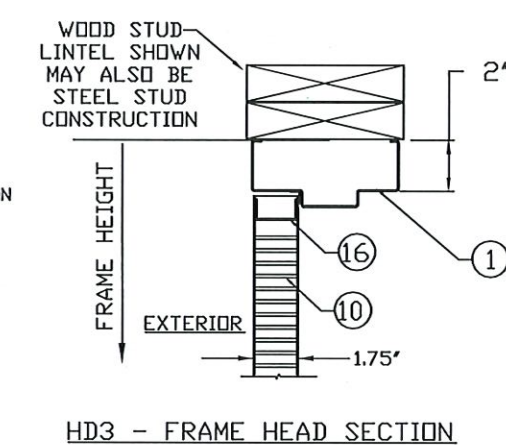
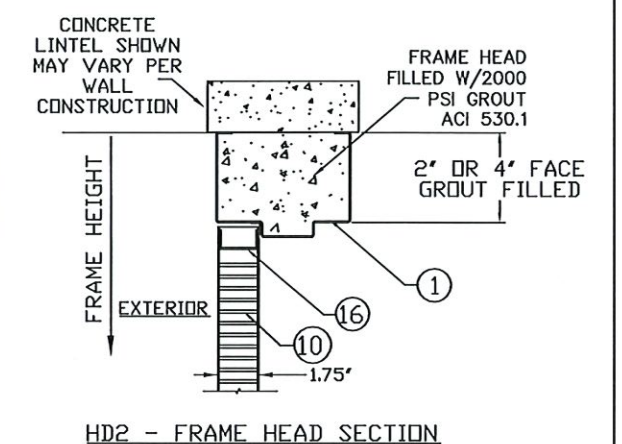
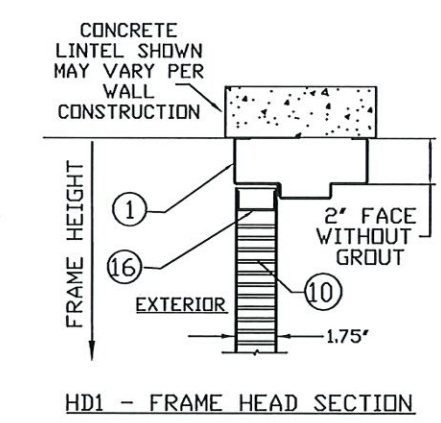


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE OUTSWING GLAZED COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN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



PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-0310.09
Expiration Date 05/05/2023
By *Ismael I. Chandra*
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



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 YMF		DATE 05/20/07	
CHECKED		APPROVED	
ENG. APPVL JPD		10/12/07	
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 ANCHOR DETAILS / INSTALLATION CONDITIONS FOR ASSEMBLIES WITH A DESIGN PRESSURE RATING GREATER THAN 75 PSF UP TO AND INCLUDING 90 PSF	
SIZE FLAT		DWG NO. IRGD07	
SCALE: NTS		AUTOCAD	
SHEET 20 OF 20		REV M	