



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

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

Schlage Lock Company  
 6810 Hillsdale Court  
 Indianapolis, IN 46250

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

**APPROVAL DOCUMENT:** Drawing No IRF S07 Rev K, titled "Steelcraft H series Single Flush outswing", sheets 1 through 13 of 13, prepared by the manufacturer, dated 05-20-07 and last revised on 03/17/15, signed and sealed by Thomas Gordon, 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 and Water infiltration (Threshold types) limitations in sheets 1, 2 and 5 of the drawings. Lower design Pressure shall control the assembly.
2. ElFom P200 (Polyisocynurate) is by Elliott Company of Indianapolis.
3. Use of Ives Viewers (model U696/U698) is limited to +/-75 PSF.
4. Electrical/Electronic functions and Fire ratings are not part of this approval, such functions to be reviewed and approved by AHJ.

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

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

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

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

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

This NOA revises & renews NOA #12-0305.14 (Ingersoll-Rand) and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



4/24/15

NOA No. 13-1217.16  
 Expiration Date: May 05, 2016  
 Approval Date: May 07, 2015

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's parts and sections drawings (Submitted under file as below).
2. Drawing No **IRF S07 Rev K**, titled "Steelcraft H series Single Flush outswing", sheets 1 through 13 of 13, prepared by the manufacturer, dated 05-20-07 and last revised on 03/17/15, signed and sealed by Thomas Gordon, P.E.

**B. TESTS (Submitted under files #12-0305.14/ #10-0209.07/#07-0829.04)**

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

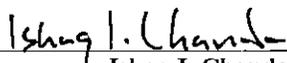
Along with marked-up drawings and installation diagram of double steel commercial doors, prepared by National Certified Testing Laboratories Inc., Test Report No. **NCTL- 210-03-0514-11**, dated August 31, 2004 , **NCTL 210- 03-3511-1** dated 04/09/08 and **NCTL 210- 03-3549-1** dated 08/26/08, all signed 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) Air Infiltration Test, per TAS 202-94
- 2) Water Resistance Test per FBC TAS 202-94(Not conducted)
- 3) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 4) Large Missile Impact Test per FBC, TAS 201-94
- 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 6) Forced Entry Test, per PA 202-94

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

  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 13-1217.16  
Expiration Date: May 05, 2016  
Approval Date: May 07, 2015

**Schlage Lock Company**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**B. TESTS (continue)**

5. Test report on (transferred from file # **07-0829.04**)
  - 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.

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

**C. CALCULATIONS: (Submitted under file # 10-0209.07)**

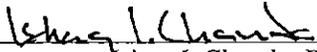
1. Anchor verification evaluation report dated 04/27/2007 and last revised on 07/14/2008, prepared, signed & sealed by Thomas Gordon., P.E.
2. Hinge Load Evaluation report dtd 01/04/04, prepared, signed & sealed by Thomas Gordon, P.E.

**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. Material composition & Flammability properties and Material Safety Data sheet of Pyrophobic P25C-60 core by Pyrophobic System LTD, dated DEC 05, 2010, issued by I. Zhvanetsky, chemical consultant.
2. Material composition & Flammability properties and Material Safety Data sheet of Calcium Silicate mineral block, issued by Marshfield Door Sys, Inc., Marshfield. WI 54449.
3. Test Report No. **12-11177**, Nov 29, 2012, issued by Commercial Testing Co. for "Surface Flame spread & Smoke density Characteristics of Building material" per ASTM E84-12 for "Elfoam P200", issued to Elliott Co. of Indianapolis Inc.
4. Test Report No. **16206-122543 (1015P200(3))**, dated November 29, 2004 for " Surface Burning Characteristics of Bldg. material" per ASTM E84 and self-Ignition per ASTM1929D for "Polyisocyanurate" issued by Omega Point Laboratories, Inc. to Elliot Co., Indianapolis, IN.
5. Tensile test report # **CTLA-776W (0194H)**, dtd 02/25/02 prepared by CTL, Architectural Division, sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
6. Test Report No. **3094867SAT-001**, April 13, 2006, issued by Intertek for "Surface Burning Characteristics of Building material" per ASTM E84 and self-Ignition per ASTM1929D for "EPS", issued to Falcon Foam, a Div. of Atlas Roofing, re-named as "ATLAS EPS"

  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 13-1217.16  
Expiration Date: May 05, 2016  
Approval Date: May 07, 2015

**Schlage Lock Company**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS (continue)**

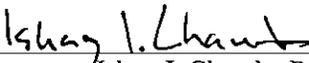
7. Tensile Test report No. A103W1-Test 1, 2 & 3 dated 23 APR 03 per ASTM E-8 for steel face sheet, prepared by Certified Testing laboratory, signed and sealed by Ramesh Patel, P.E.
8. Test Report No. **3094867SAT-001**, April 13, 2006, issued by Intertek for "Surface Burning Characteristics of Building material" per ASTM E84 and self-Ignition per ASTM 1929D for "EPS", issued to Falcon Foam, a Div of Atlas Roofing, re-named as "ATLAS EPS".

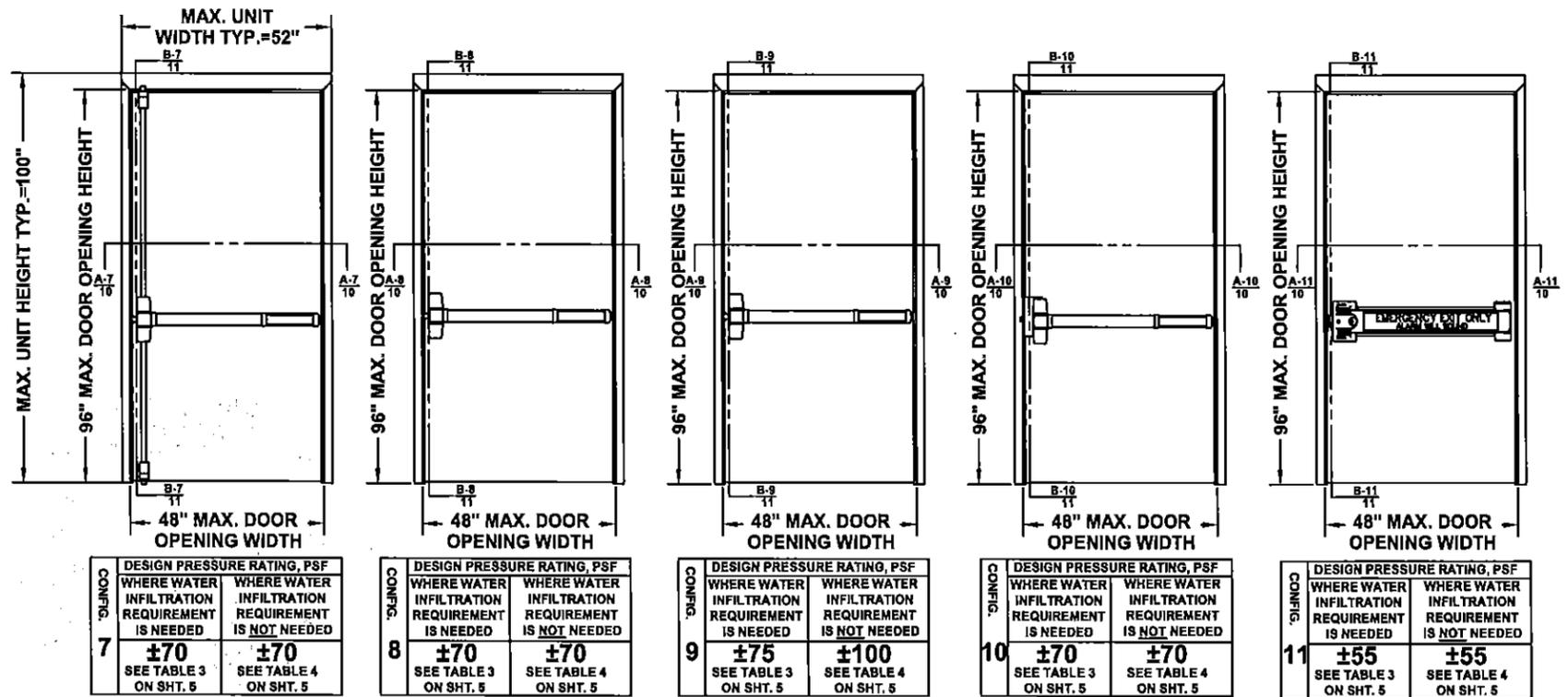
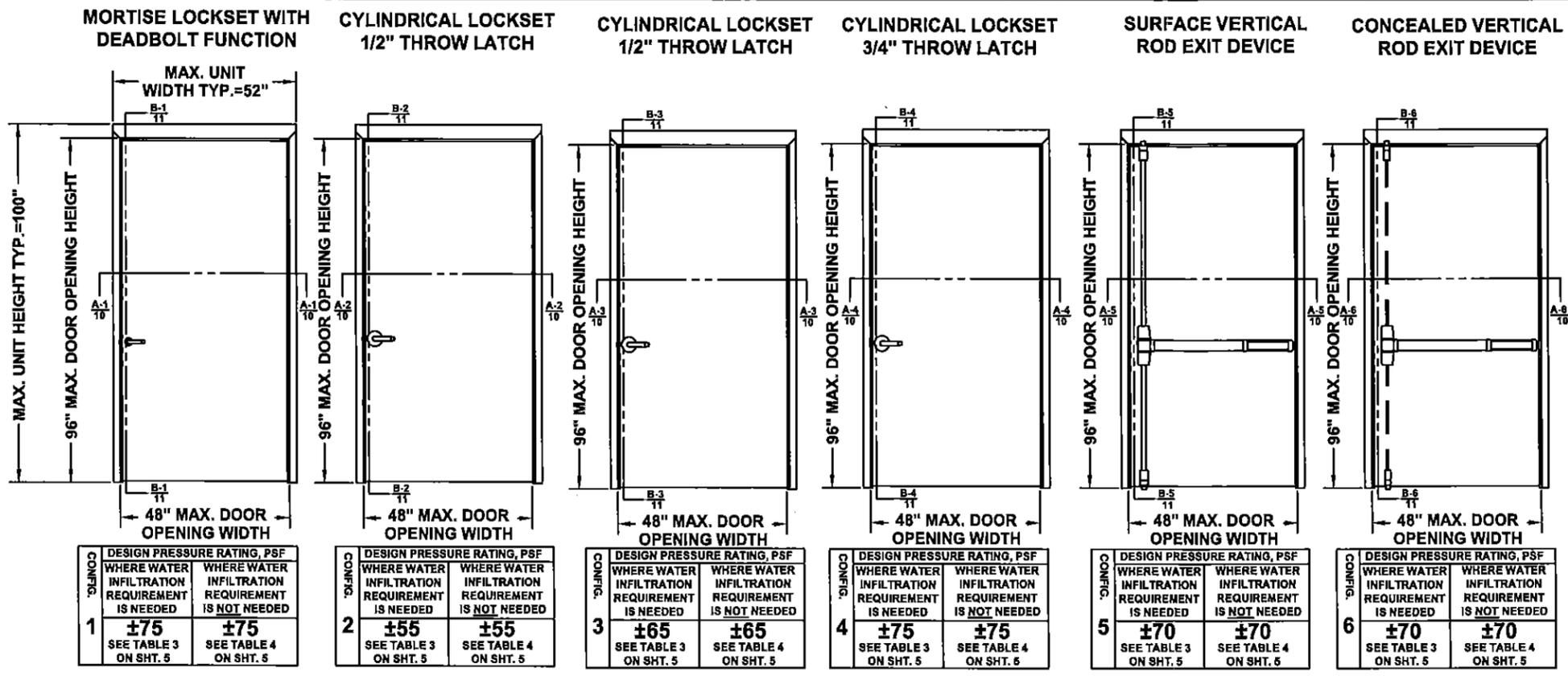
**F. STATEMENTS: Except items #1 thru 5, balanced items submitted under file #10-0209.09.**

1. Letter of conformance to **FBC 2010**, dated 02/15/12 & 03/17/15, prepared, signed and sealed by Gordon Thomas, P.E.
2. Statement letter dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
3. Ingersoll-Rand press release, dated 12/10/12, integrating the brands of Ingersoll-Rand and Schlage among others.
4. Department of State Certification of Reinstatement for **SCHLAGE LOCK COMPANY, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/17/06 and filed with the Secretary of State
5. Certification of Formation dated 12-08-2003 of Schlage Lock Company, LLC, issued by Secretary of State of Delaware.
6. Statement letter of conformance to FBC 2007 and no financial interest, dated FEB 02, 2010, prepared, signed and sealed by Gordon Thomas, P.E.
7. Laboratory Compliance statement issued as part of the above test reports.
8. Addendum letter dated DEC 19, 2011, issued by Certified Testing Lab verifying wire anchors, strength of grout, stud anchor, Strike plate and MA series Mortise Lock, supplemented w/ marked-up drawings, signed and sealed by Ramesh Patel, P.E.
9. Letter of certification dated 04/20/10, issued by Ingersoll-Rand for electronic CO lock series mechanical /functional parts same as AD, ND and AD-M series.

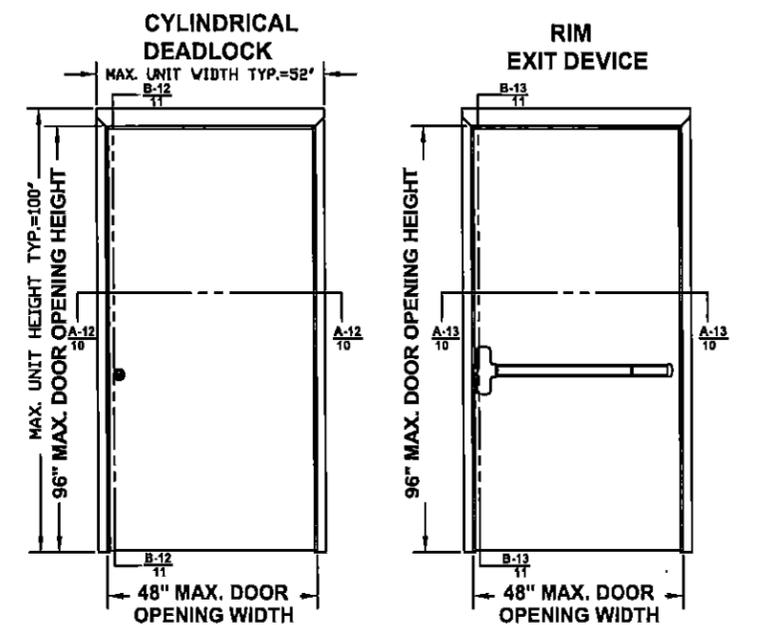
**G. OTHER**

1. This NOA **revises & renews NOA #12-0305.14** (Ingersoll-Rand), expiring on 05/05/16.
2. **One** year conditional approval, subjected to successful verification test.
3. Request for 1-Year renewal by Schlage Company dated 03/26/15, signed by James Donlan.
4. Test proposals # **14-0252, -0254, #14-1086, #14-0254-R1** and **#12-0797R** approved by RER.
5. Consolidation Test proposal # **06-2468**, dated 04/27/07 approved by BCCO.
6. Previously consolidates NOA (s) associated with this files are NOA #10-0209.07, 07-0829.04, 02-0712.01, 02-0712.03, 03-0908.03, 04-0203.03, 04-0303.03 and 05-0103.01.
7. Technical brochures of butt Hinges, continuous Hinges, Schlage & Falcon Mortise Locks, Supplied by Schlage Company (former Ingersoll-Rand).

  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 13-1217.16  
Expiration Date: May 05, 2016  
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REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
C	REVISED DWG	RAP	12/10/07	
D	REVISED DWG	YMF	01/04/08	
E	REVISED DWG	YMF	03/31/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED DWG	YMF	01/20/10	
H	REVISED DWG	YMF	04/07/10	
J	REVISED NAME	JPD	11/01/13	
K	REVISED DWG	JPD	02/01/15	



**NOTES:**

- INTERIOR VIEWS ARE SHOWN FOR ALL ELEVATIONS
- SEE TABLE 1 ON SHEET 2 FOR HARDWARE APPLICATIONS AND LIMITATIONS
- SEE SHEET 3 & 13 FOR HINGE REQUIREMENTS
- SEE SHEET 4 FOR ANCHORING TYPES AND LIMITATIONS
- SEE SHEET 5 FOR WEATHERSTRIPPING INSTALLATION DETAILS AND LIMITATIONS
- SEE SHEET 4 AND 5 FOR SILL INSTALLATION DETAILS

<table border="1"> <tr> <th>CONFIG.</th> <th>DESIGN PRESSURE RATING, PSF</th> <th>WHERE WATER INFILTRATION REQUIREMENT IS NEEDED</th> <th>WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED</th> </tr> <tr> <td>12</td> <td>±60</td> <td>SEE TABLE 3 ON SHT. 5</td> <td>SEE TABLE 4 ON SHT. 5</td> </tr> </table>	CONFIG.	DESIGN PRESSURE RATING, PSF	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	12	±60	SEE TABLE 3 ON SHT. 5	SEE TABLE 4 ON SHT. 5	<table border="1"> <tr> <th>CONFIG.</th> <th>DESIGN PRESSURE RATING, PSF</th> <th>WHERE WATER INFILTRATION REQUIREMENT IS NEEDED</th> <th>WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED</th> </tr> <tr> <td>13</td> <td>+70/-55</td> <td>SEE TABLE 3 ON SHT. 5</td> <td>SEE TABLE 4 ON SHT. 5</td> </tr> </table>	CONFIG.	DESIGN PRESSURE RATING, PSF	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	13	+70/-55	SEE TABLE 3 ON SHT. 5	SEE TABLE 4 ON SHT. 5										
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<p><b>PRODUCT REVISED</b>          as complying with the Florida Building Code          Acceptance No. 13-1217-16          Expiration Date: 7/24/2016  <i>Cheryl Chan</i>          Schlage Lock Product Control</p>																											
<table border="1"> <tr> <td>BEND RADIUS</td> <td colspan="3">SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250</td> </tr> <tr> <td>THIRD ANGLE PROJECTION</td> <td colspan="3">TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES</td> </tr> <tr> <td>DRAWN YMF</td> <td>DATE 05/20/07</td> <td colspan="2">MIAMI-DADE COUNTY PRODUCT APPROVAL FLUSH OUTSWING DOORS AND HARDWARE CONFIGURATIONS COMMERCIAL DOOR OPENING SINGLE FLUSH DOORS.</td> </tr> <tr> <td>CHECKED</td> <td></td> <td>SIZE FLAT</td> <td>DWG NO. IRFS07</td> </tr> <tr> <td>APPROVED</td> <td></td> <td>SCALE NTS</td> <td>AUTOCAD</td> </tr> <tr> <td>ENG. APPVL JPD</td> <td>DATE 10/11/07</td> <td></td> <td>REV K</td> </tr> </table>	BEND RADIUS	SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250			THIRD ANGLE PROJECTION	TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			DRAWN YMF	DATE 05/20/07	MIAMI-DADE COUNTY PRODUCT APPROVAL FLUSH OUTSWING DOORS AND HARDWARE CONFIGURATIONS COMMERCIAL DOOR OPENING SINGLE FLUSH DOORS.		CHECKED		SIZE FLAT	DWG NO. IRFS07	APPROVED		SCALE NTS	AUTOCAD	ENG. APPVL JPD	DATE 10/11/07		REV K	<table border="1"> <tr> <td>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</td> </tr> <tr> <td>SHEET 1 of 13</td> </tr> </table>	MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	SHEET 1 of 13
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SHEET 1 of 13																											

Door Configuration	Maximum Design Pressure, PSF		Maximum Door Opening Size, in.		Locking Hardware Description				Comments
	Positive	Negative	Width	Height	Hardware Family	Model/Series	Strike Models	Brand	
1	75	75	48	96	Mortise Lock	L/LV9400/AD MD	10-072	Schlage	Functions with deadbolt, 3/4" min. throw latch & 1" min. throw deadbolt
	75	75	48	96	Mortise Lock	M	ANSI	Falcon	
2	55	55	48	96	Cylindrical Lock	AL	10-025	Schlage	1/2" throw latch
3	65	65	48	96	Cylindrical Lock	D/ND/AD CYL	10-025	Schlage	1/2" throw latch
4	75	75	48	96	Cylindrical Lock	D/ND/AD CYL	10-025	Schlage	3/4" throw latch
	75	75	48	96	Cylindrical Lock	T	ANSI	Falcon	3/4" throw latch
5	70	70	48	96	Surface Vertical Rod Exit Device	98/9927(F)	299F/499F Top, 304L/248L4 Bottom	Von Duprin	
	70	70	48	96	Surface Vertical Rod Exit Device	(F)25-V	3788 Top, 2130 Bottom	Falcon	
6	70	70	48	96	Concealed Vertical Rod Exit Device	98/9947-F	338 Top, 385A Bottom	Von Duprin	
	70	70	48	96	Concealed Vertical Rod Exit Device	F-25-C	4188 Top, 2130 Bottom	Falcon	
7	70	70	48	96	Three-Point Latching Device	98/9957(F)	299F/499F Top/Middle, 304L/248L4 Bottom	Von Duprin	
8	70	70	48	96	Rim Exit Device	98/99(F)	299F/499F	Von Duprin	
	70	70	48	96	Rim Exit Device	88-F	268	Von Duprin	
	70	70	48	96	Rim Exit Device	(F)DL-18-R	F570	Monarch	
9	75/100 SEE NOTE 2.	75/100 SEE NOTE 2.	48	96	Rim Exit Device	XP98/99(F)	909/954	Von Duprin	
10	70	70	48	96	Mortise Exit Device	98/9975(F)	575	Von Duprin	
	70	70	48	96	Mortise Exit Device	8875(F)	575	Von Duprin	
	70	70	48	96	Mortise Exit Device	(F)25-M	1279	Falcon	
11	55	55	48	96	Exit Alarm Lock	2670 GUARD-X	267	Von Duprin	
12	60	60	48	96	Cyl. Deadlock	B600/700/800	10-055	Schlage	
	60	60	48	96	Cyl. Deadlock	D400/800	010018-000/001	Falcon	
13	70	55	48	96	Rim Exit Device	(F)25-R	299F/499F	Falcon	

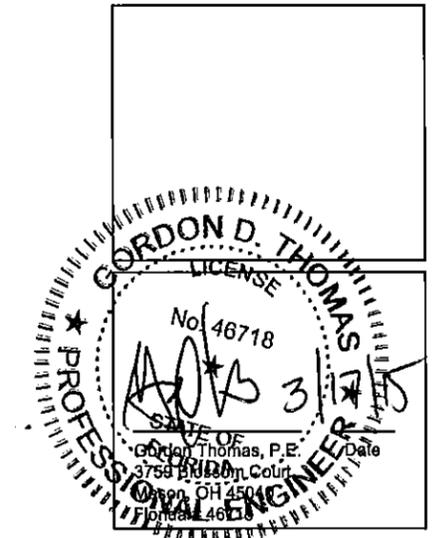
**TABLE 1.**

**NOTES:**

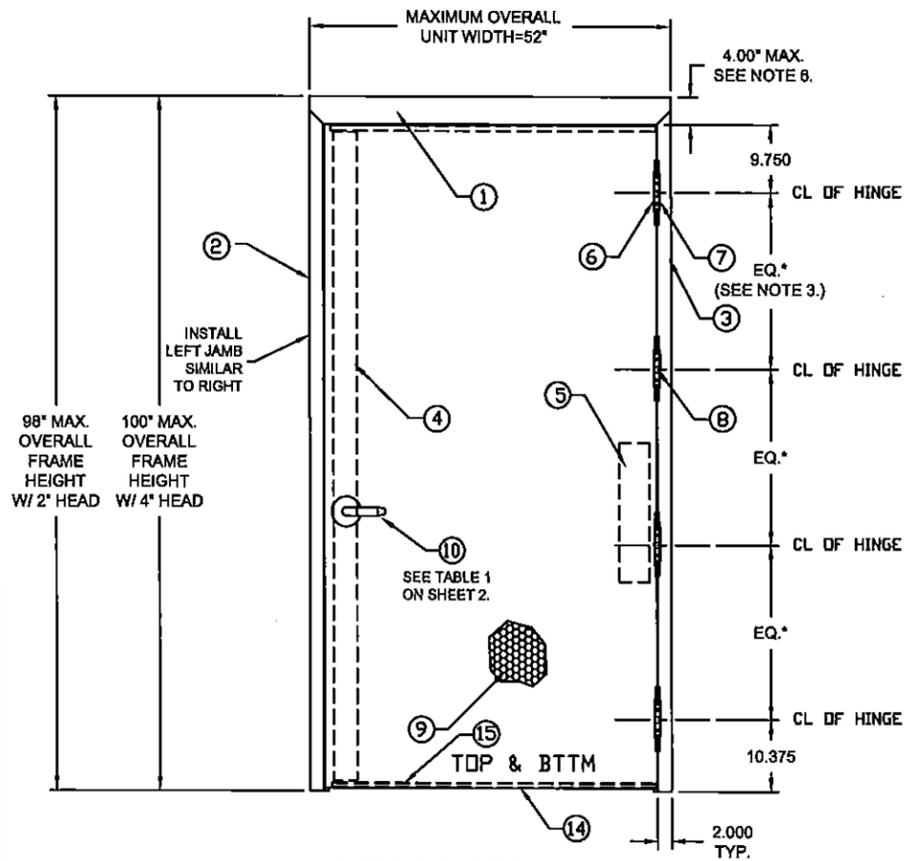
- SEE SHEETS 7, 8 & 9 FOR LOCKING HARDWARE.
- DOOR CONFIGURATION 9 IS RATED FOR MAXIMUM DESIGN PRESSURE ±100 PSF WHEN WATER INFILTRATION REQUIREMENT IS NOT NEEDED, AND UP TO +75 PSF WHEN WATER INFILTRATION REQUIREMENT IS NEEDED (SEE TABLE 3 ON SHT.5)
- SCHLAGE AL-SERIES CYLINDRICAL LOCK, DOOR CONFIGURATION 2, IS LIMITED TO ±55 PSF MAXIMUM DESIGN PRESSURE

REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF 05/20/07		
B	REVISED DWG	RAP 10/11/07		
C	REVISED DWG	RAP 12/10/07		
D	REVISED DWG	YMF 01/04/08		
E	REVISED DWG	YMF 03/31/08		
F	REVISED DWG	YMF 06/02/08		
G	REVISED DWG	YMF 03/03/09		
H	REVISED DWG	YMF 04/07/10		
J	REVISED NAME	JPD 11/01/13		
K	REVISED DWG	JPD 02/01/15		

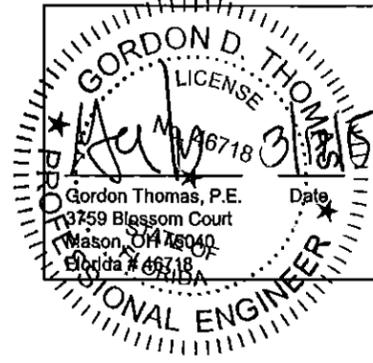
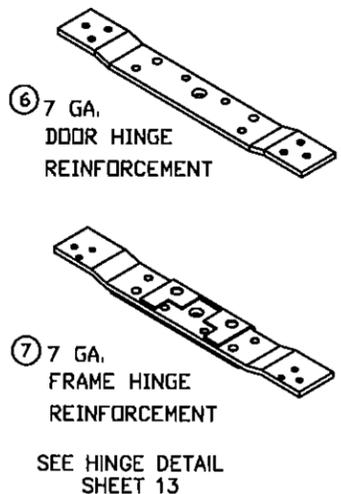
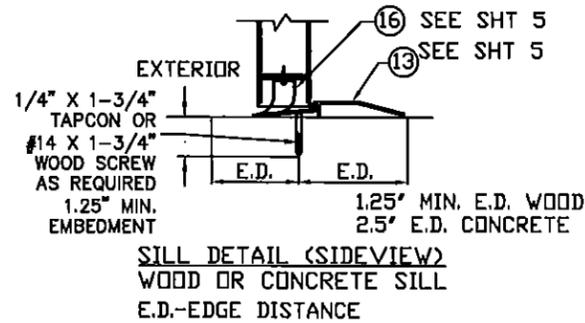
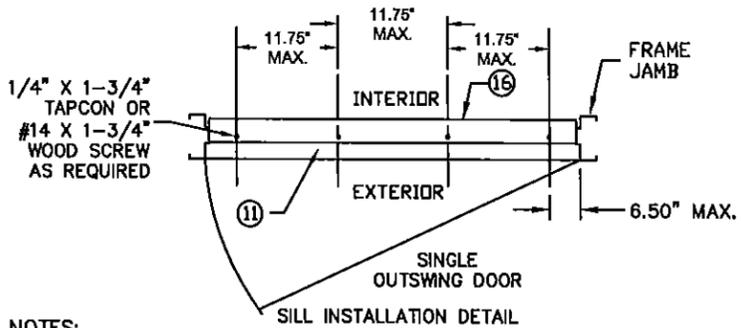
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 13-1217.16  
 Expiration Date 5/5/16  
 By *[Signature]*  
 Miami Dade Product Control



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
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CHECKED		SIZE	FLAT	DWG NO.	REV
APPROVED				IRFS07	K
ENG. APPVL JPD	10/11/07	SCALE:	NTS	AUTOCAD	SHEET 2 of 13



OUTSWING SINGLE FLUSH DOOR  
(EXTERIOR VIEW)  
ALL DIMENSIONS TYPICAL, UNLESS SPECIFIED OTHERWISE  
DOOR VIEW



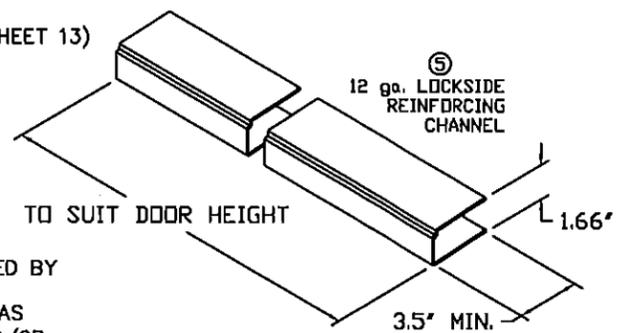
PRODUCT REVIEW  
is complying with the Florida  
Building Code  
Acceptance No. 13-1217-16  
Expiration Date 5/5/16  
By: Ishing J. Frank  
Miami Dade Product Council

REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
C	REVISED DWGS.	RAP	12/10/07	
D	REVISED DWGS.	YMF	01/04/08	
E	REVISED DWGS.	YMF	03/24/08	
F	REVISED DWGS.	YMF	06/02/08	
G	REVISED DWGS.	YMF	03/03/09	
H	REVISED DWGS.	YMF	04/07/10	
J	REVISED NAME	JPD	11/01/13	
K	REVISED DWG	JPD	02/01/15	

TABLE 2.

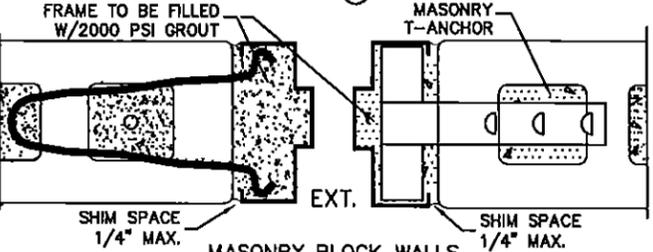
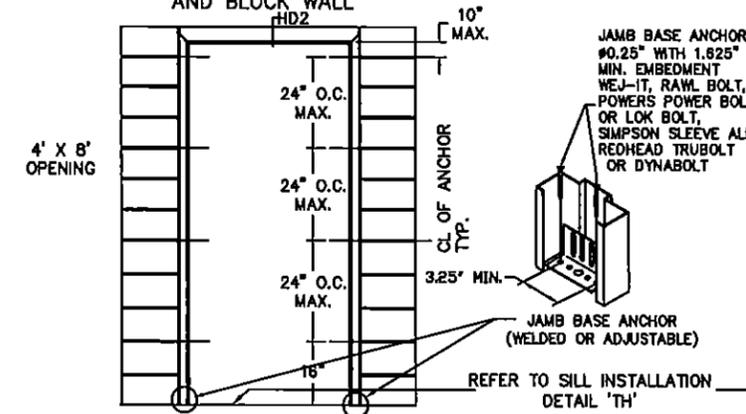
QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	HEAD SEE SHT 6 ASTM A366	.053" MIN. STL	MAX. 52"
2	STRIKE JAMB SEE SHT. 6 ASTM A366	.053" MIN. STL	MAX. 100"
3	HINGE JAMB SEE SHT 6 ASTM A366	.053" MIN. STL	MAX. 100"
4	LOCK SIDE REINFORCEMENT CHANNEL	.093" MIN. STL	3.5 X 93.44 MAX
5	HINGE SIDE PANIC REINFORCEMENT	.067" MIN. STL	MAX. 20"
6	NOTE 3. HINGE REINFORCEMENT DOOR ASTM A621	.167" MIN. STL.	1.28" X 9.19"
7	NOTE 3. HINGE REINFORCEMENT FRAME ASTM A621	.167" MIN. STL.	1.3" X 9.187" MAX.
8	NOTE 3. 4.5" X 4.5" BUTT HINGES	.134" MIN. STL.	(8) #12-24 MS PER HINGE
	OPTIONAL CONTINUOUS HINGE	.075" MIN. STL/.110 ALUM	MAX. 95"
9	CORE MATERIAL (SHT. 12) (D) HONEYCOMB C) STEEL STIFFENED A/F) POLYSTYRENE B/F) POLYURETHANE/POLYISOCYANURATE (E) MINERAL BOARD TEMPERATURE RISE CORE		
10	LOCKING HARDWARE - SEE SHEET 2, TABLE 1		
	THRESHOLD SILL W/BUMPER GASKET		
11	1) ZERO INT'L 566 SEE SHT. 5 2) NATIONAL GAURD 950 SEE SHT. 5	.125" ALUM. 6063 T5 .078" ALUM. 6063 T5	5.50"X0.5"X48"MAX.
12	NOTE 2. JAMB ANCHOR ASTM A924	SEE SHEET 4	
13	PS074 WEATHER STRIPPING	TPE	MAX. 24"
14	FAS-SEAL DOOR SWEEP	TPE	MAX. 47.66"
15	END CHANNEL ASTM A924 (14 GA - INVERTED)		.69" X 1.66" X 47.66" MAX.
16	AS NEEDED BUTYL RUBBER OR 100% SILICONE		
17	DOOR SLAB (16 OR 14 GA)	SEE SHEET 6	4' X 8' MAX.
18	BY ZERO INT'L DOOR SEAL No.8144S/FS	TPE	MAX. 24"
	BY STEELCRAFT DOOR SEAL PS074		
19	BY ZERO INT'L DOOR SWEEP No.539	TPE	MAX. 96"
	BY NGP DOOR SWEEP No.202N		
20	BY ZERO INT'L DOOR SWEEP No.139	SEE SHEET 5	MAX. 48"
	BY NGP DMIT		
21	BY ZERO INT'L ADJUSTABLE STOP No.475	TPE	MAX. 48"
	BY NGP ADJUSTABLE STOP No.170N		
22	BY ZERO INT'L RAIN DRIP No.11	SEE SHEET 5	MAX. 48"
	BY NGP DRIP CAP No.16A		
23	TOP CAP GALV. A60 ASTM A924	.020" MIN. STL	0.5" X 1.76" X 48" MAX.
24	IVES 698/U698 DOOR VIEWER	BRASS	

- NOTES:
- ONE ROW OF PS074 WEATHERSTRIPPING PER JAMB AND HEAD. INSTALL PER SHT.5
  - ANCHOR REQUIREMENTS:  
SEE SHEET 4 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 RABBET IN HEAD TO CL OF TOP HINGE  
10.38" FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED  
IN BETWEEN. HINGE LOCATIONS MAY VARY, MAX SPACING DO NOT EXCEED 35.5"  
APPROVED CONTINUOUS HINGE MODELS: IVES 112 HD, 224HD, 600, 700, 700CS, MARKAR FM-300, HG-305, STANLEY 661HD, HAGER 780-224HD, 790-900, SELECT SL11HD, ABH A500 & A240HD(SEE SHEET 13)
  - SEE SHEET 2 & 3 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
  - HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
  - 4" FACE HEAD IS AVAILABLE FOR FRAMES.
  - APPLY CAULK AS NEEDED.
  - WEATHERSTRIPPING, SEE SHEET 5.  
-WHEN WATER INFILTRATION IS NOT NEEDED INSTALL WEATHERSTRIPPING PER SHT.5.  
-ONE ROW OF PS074 WEATHERSTRIPPING PER JAMB AND HEAD.  
-WHEN WATER INFILTRATION IS REQUIRED - INSTALL PER SHT.5.
  - SEE SHEET 10 FOR SECTION A-A, SEE SHEET 11 FOR SECTIONS B-B.
  - ELECTRICAL INSTALLATION AND FIRE RATINGS ARE UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
  - OPTIONAL POWER TRANSFERS, MONITORING SWITCHES, SUPPLEMENTAL MAGNETIC LOCKS MAY BE USED AS ALLOWED BY CODE AND IT DOES NOT EFFECT THE MECHANICAL PROPERTIES OF EXIT DEVICE OR LOCK AND/OR INHIBIT EGRESS; TO BE REVIEWED BY THE BUILDING OFFICIAL.
  - ITEMS 18 THROUGH 22 REQUIRED ONLY IF WATER INFILTRATION IS NEEDED. (SEE SHEET 5)

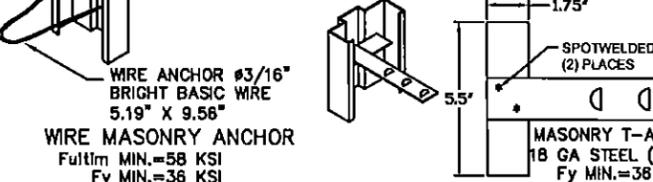


BEND RADIUS	SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION	TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	MIAMI-DADE COUNTY PRODUCT APPROVAL H-SERIES FLUSH SINGLE DOORS (OUTSWING)		
CHECKED		SIZE	FLAT	DWG NO. IRFS07
APPROVED		SCALE	NTS	AUTOCAD
ENG. APPVL JPD	DATE 10/11/07			SHEET 3 of 13
				REV K

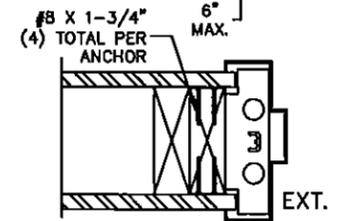
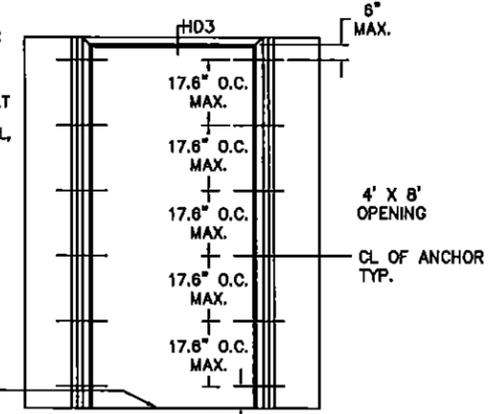
**A** WIRE OR T MASONRY ANCHOR INTO GROUT FILLED FRAME AND BLOCK WALL



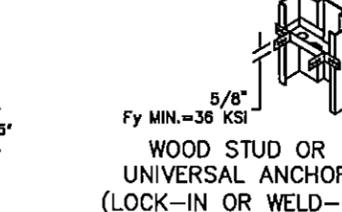
MASONRY BLOCK WALLS CMU (C-90) 2000PSI GROUT FILLED ACI530.1



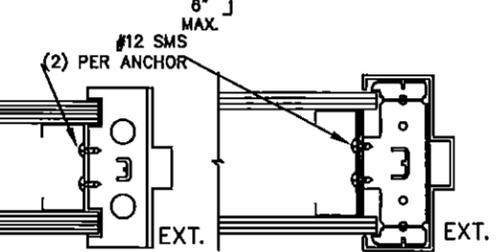
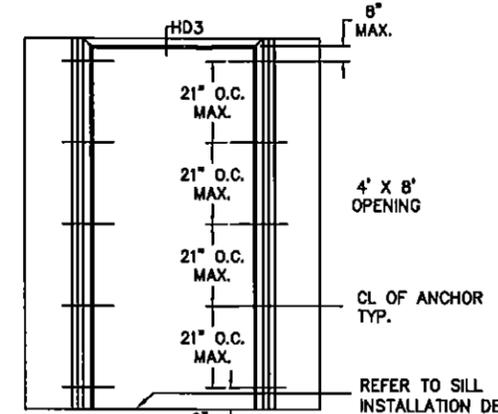
**B** WOOD STUD ANCHOR



\*WOOD STUD WALLS SEE NOTE 1.



**C** STEEL STUD ANCHOR



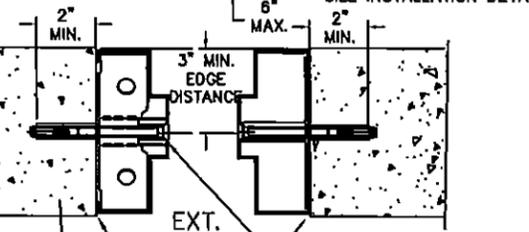
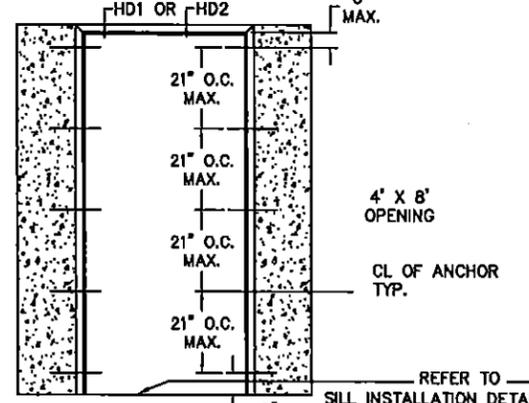
\*STEEL STUD WALLS SEE NOTE 1.



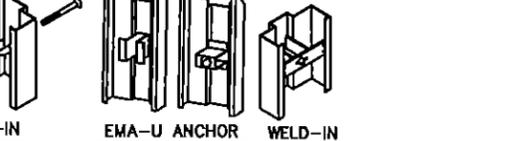
**PRODUCT REVISED** as complying with the Florida Building Code Acceptance No. 13-1217-16 Expiration Date 05/16 By: [Signature] Miami Dade Product Control

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07
D	REVISED DWG	YMF	01/04/08
F	REVISED DWG	YMF	06/02/08
G	REVISED DWG	YMF	03/03/09
H	REVISED DWG	YMF	04/07/10
J	REVISED NAME	JPD	11/01/13
K	REVISED DWG	JPD	02/01/15

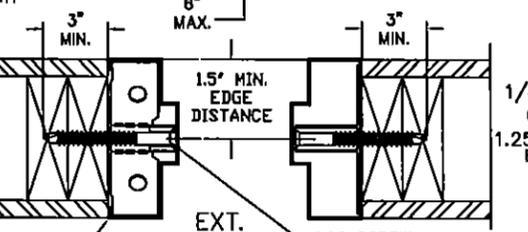
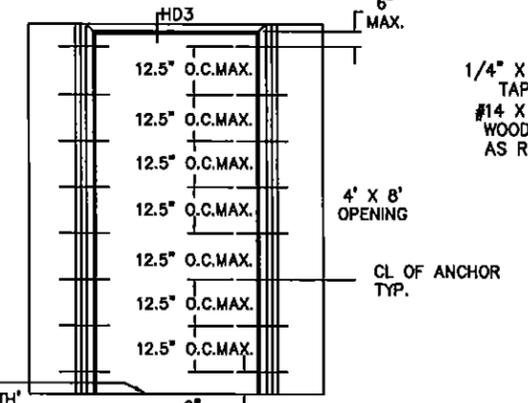
**D** EXISTING MASONRY ANCHOR (EMA) INTO CONCRETE WALL OR CMU



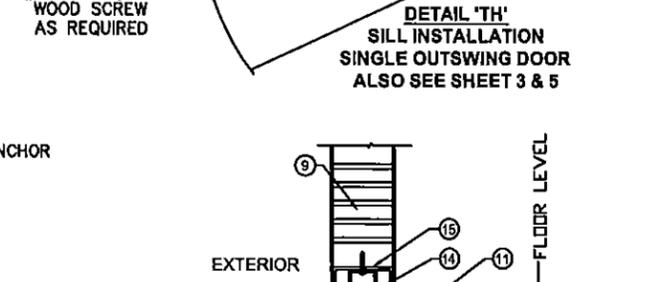
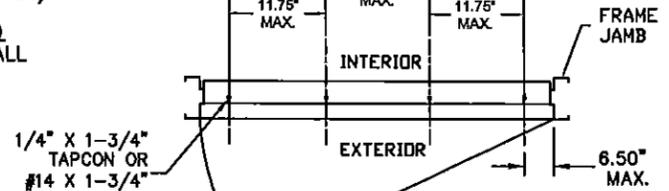
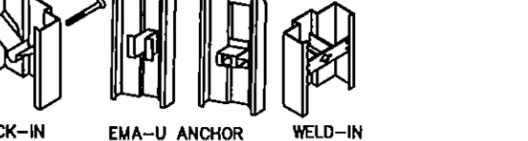
2500 psi MIN. CONCRETE OR 2000 PSI GROUT FILLED (C-90) CMU BLOCK WALL



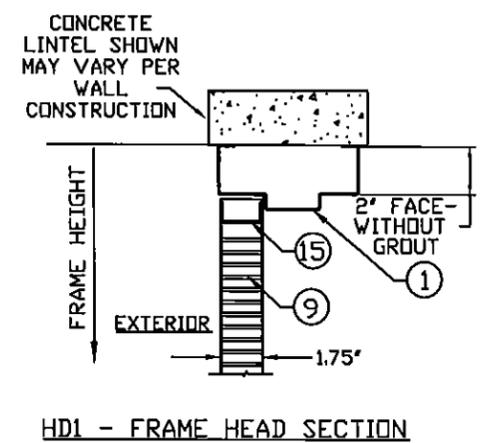
**E** EXISTING MASONRY ANCHOR (EMA) WITH LAG BOLT INTO WOOD STUD WALL



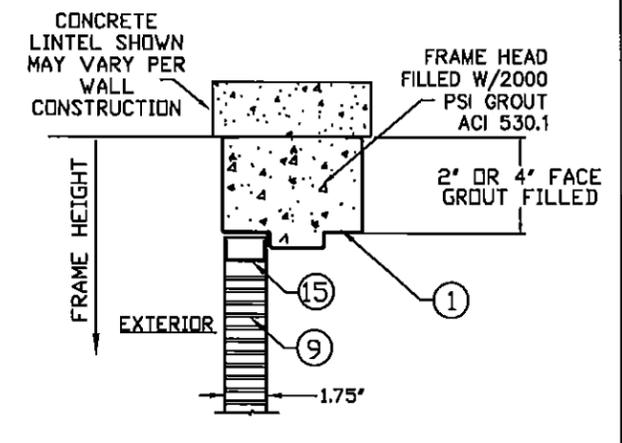
WOOD STUD WALLS SEE NOTE 1.



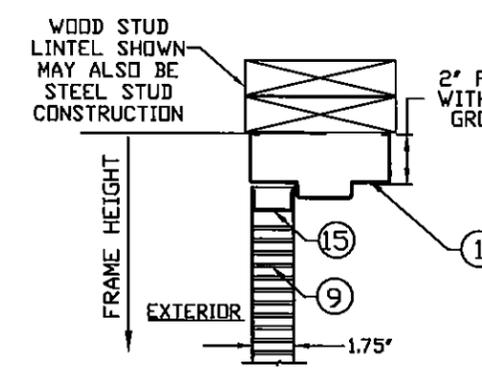
NOTES:  
 1. (\*WOOD OR (\*)STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 312 #/FT. LOAD FOR ASSEMBLIES RATED @75 PSF, AND 416 #/FT. FOR ASSEMBLIES RATED @100 PSF, WHICH SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.  
 2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.  
 3. APPLY CAULK AS NEEDED.



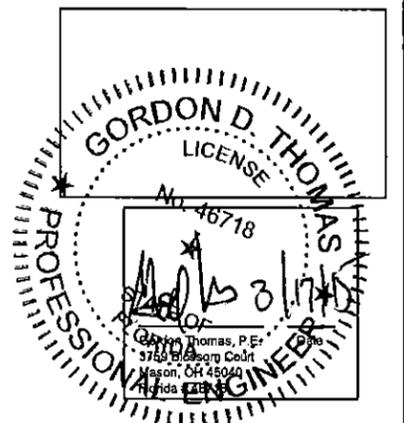
HD1 - FRAME HEAD SECTION



HD2 - FRAME HEAD SECTION



HD3 - FRAME HEAD SECTION



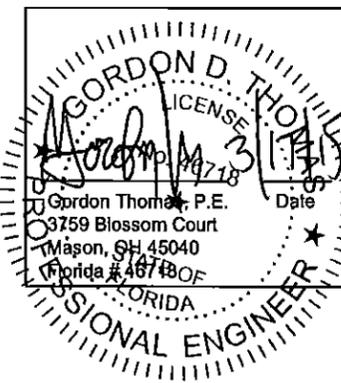
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		DRAWN YMF		DATE 05/20/07	
CHECKED		APPROVED		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES	
APPROVED		ENG. APPVL JPD		DATE 10/11/07	
SIZE FLAT		DWG NO. IRFS07		REV K	
SCALE NTS		AUTOCAD		SHEET 4 of 13	

TABLE 3.

PERIMETER SEAL HARDWARE WHEN WATER INFILTRATION REQUIREMENT DOES APPLY					
ITEM NUMBER SHT 3. TABLE 2	DESCRIPTION	MAX ALLOWABLE DESIGN PRESSURE, PSF, UP TO*	MODEL No./ MANUFACTURER	PART DETAIL	INSTALL PER DETAIL
11	THRESHOLD	+75	566/ZERO INT'L	'T1'	'P1'
			950/NGP	'T2'	'P2'
14	FAS-SEAL SWEEP	+75	STEELCRAFT	'S'	'P1' & 'P2'
18 OR 13	SELF ADHESIVE DOOR SEAL	+75	8144S/FS/ZERO INT'L	'U'	'M' & 'N'
			PS074/STEELCRAFT	'Q'	
19	DOOR SWEEP	+75	539/ZERO INT'L	'W1'	'N'
			202N/NGP	'W2'	
20	DOOR SWEEP	+75	139/ZERO INT'L	'X'	'P1'
21	ADJUSTABLE STOP	+75	475/ZERO INT'L	'Y1'	'M'
			170N/NGP	'Y2'	
22	RAIN DRIP CAP	+75	11/ZERO INT'L	'Z1'	'P1'
			16A/NGP	'Z2'	'P2'

TABLE 4.

PERIMETER SEAL HARDWARE WHEN WATER INFILTRATION REQUIREMENT DOES NOT APPLY					
ITEM NUMBER SHT 3. TABLE 2	DESCRIPTION	MODEL No. MANUFACTURER	PART DETAIL	INSTALL PER DETAIL	
11	THRESHOLD	566 BY ZERO INT'L	'T1'	'K'	
		950 BY NATIONAL GUARD	'T2'		
14	FAS-SEAL DOOR SWEEP	STEELCRAFT	'S'	'K'	
13	PS-074 SELF ADHESIVE WEATHERSTRIPPING	STEELCRAFT	'Q'	'J' & 'L'	
23	DOOR TOP CAP	STEELCRAFT	'R'	OPTIONAL	



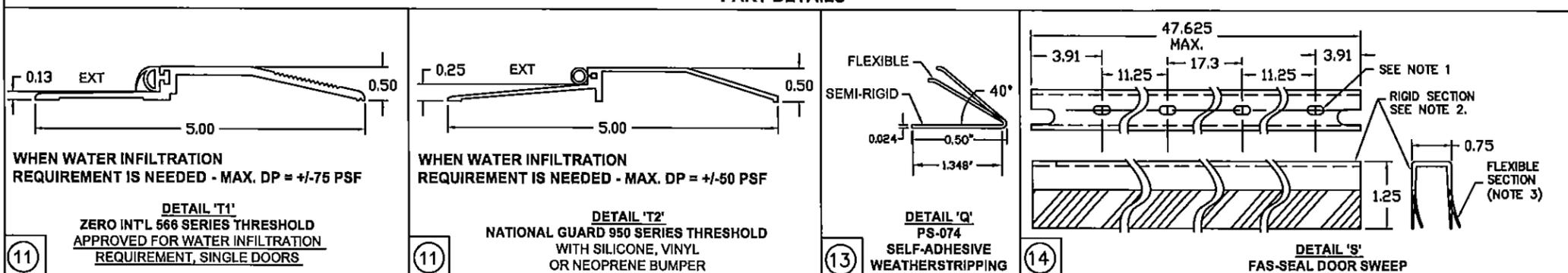
REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
B	REVISED DWG	RAP	10/11/07	
C	REVISED DWG	RAP	12/10/07	
D	REVISED DWG	YMF	01/07/07	
E	REVISED DWG	YMF	04/03/08	
F	REVISED DWG	YMF	06/03/08	
G	REVISED DWG	YMF	03/03/09	
H	REVISED DWG	YMF	04/07/10	
J	REVISED NAME	JPD	11/01/13	
K	REVISED DWG	JPD	02/01/15	

NOTES:

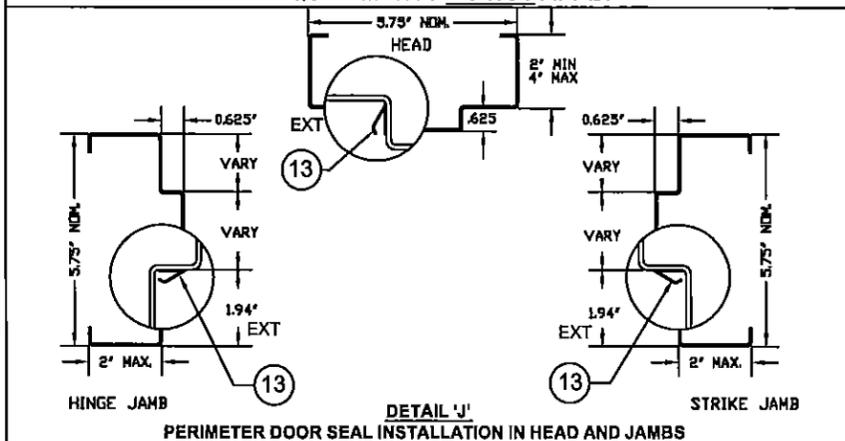
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
4. FAS-SEAL DOOR SWEEP (14), AND THRESHOLD (11) ARE REQUIRED FOR ALL INSTALLATIONS.

\* - SEE ELEVATION SHEETS 1 & 2 FOR DESIGN PRESSURE RATINGS

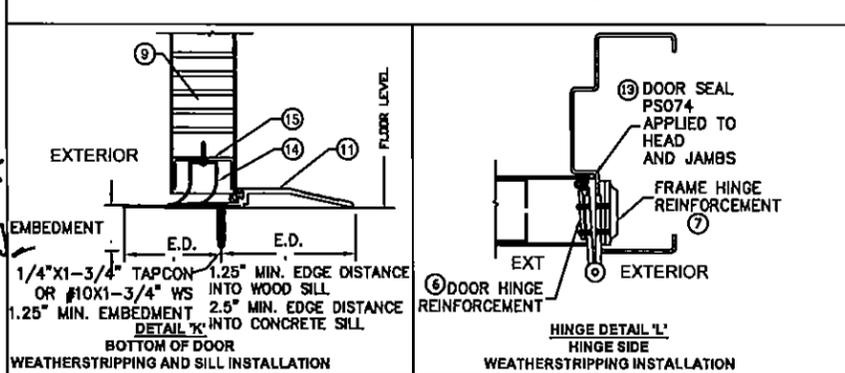
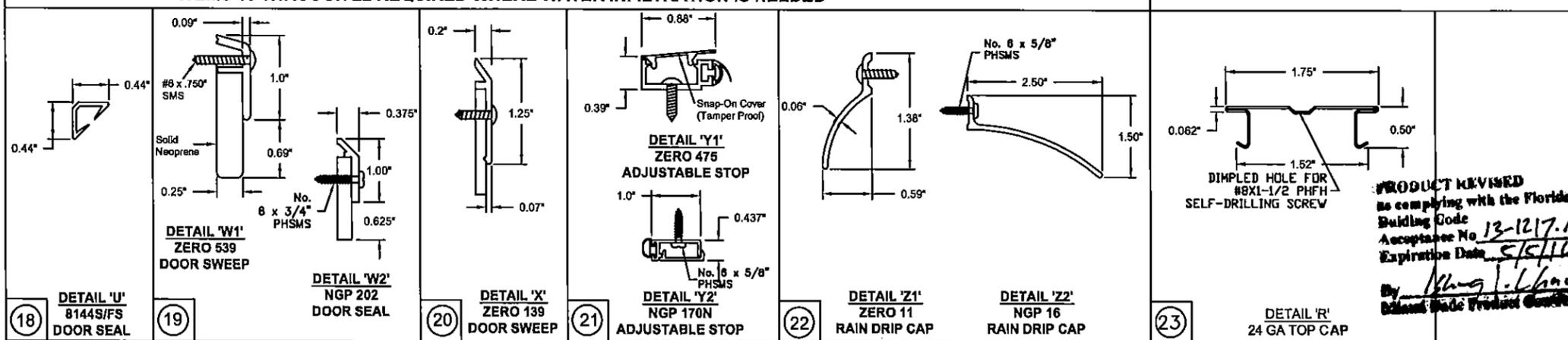
PART DETAILS



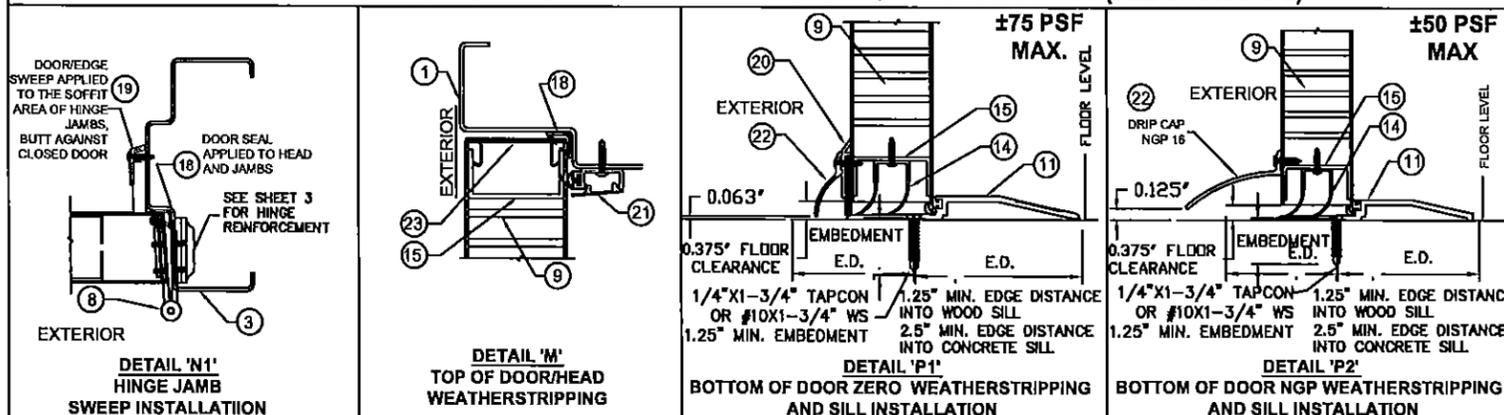
PERIMETER SEAL INSTALLATION DETAILS WHEN WATER INFILTRATION REQUIREMENTS DO NOT APPLY



ITEMS 18 THROUGH 22 REQUIRED WHERE WATER INFILTRATION IS NEEDED

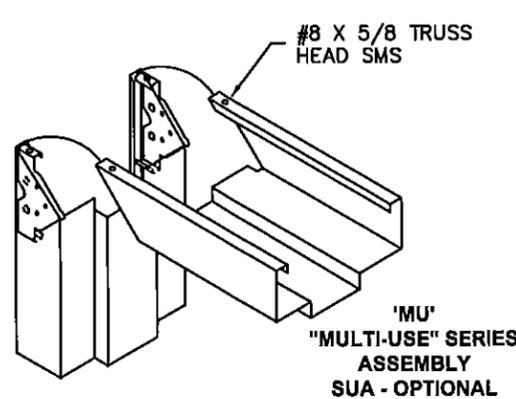
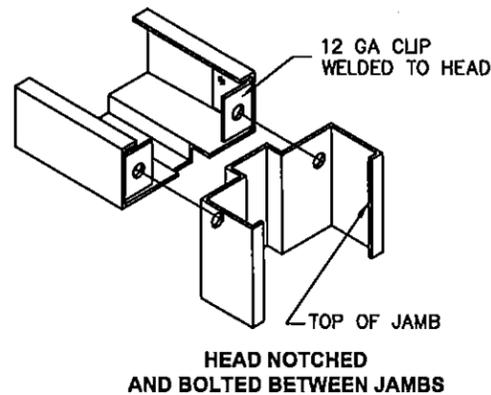
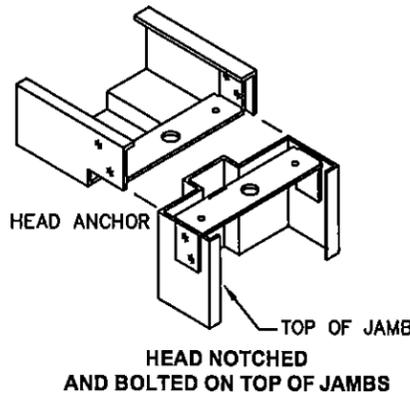
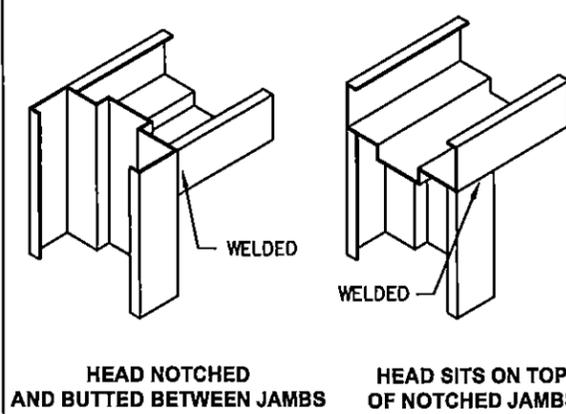
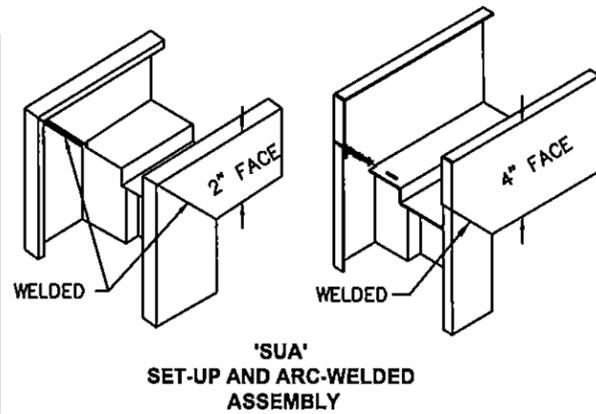
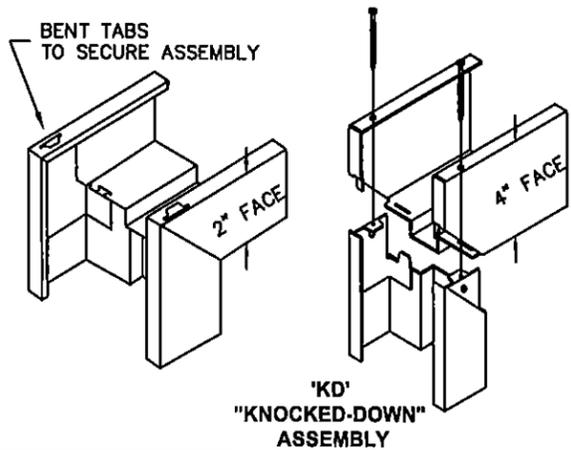


PERIMETER SEAL INSTALLATION DETAILS WHEN WATER INFILTRATION REQUIREMENTS APPLY (SEE SHTS. 1 & 2)



BEND RADIUS	THIRD ANGLE PROJECTION		DRAWN YMF		DATE 05/20/07	SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
CHECKED	APPROVED	ENG. APPVL JPD	DATE 10/11/07	TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES		SINGLE FLUSH DOOR PERIMETER SEAL HARDWARE.			
SCALE: NTS	AUTOCAD	SIZE: FLAT	DWG NO.	REV K	SHEET 5 of 13		IRFS07		

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 13-1217-16 Expiration Date 5/31/16 By: [Signature]



REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
C	REVISED DWG RAP	12/10/07	
D	REVISED DWG YMF	01/08/08	
E	REVISED DWG YMF	04/08/08	
F	REVISED DWG YMF	06/03/08	
G	REVISED DWG YMF	03/03/09	
H	REVISED DWG YMF	04/07/10	
J	REVISED NAME JPD	11/01/13	
K	REVISED DWG JPD	02/01/15	

TABLE 5. AVAILABLE STEELCRAFT DOOR CONFIGURATIONS

CORE MATERIAL PER SHT.12	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 6. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS

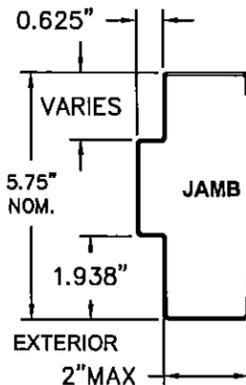
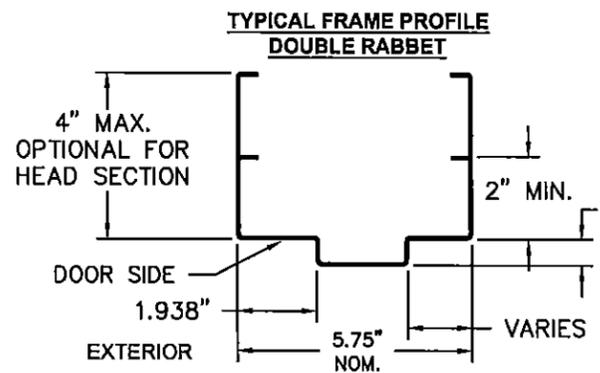
FRAME SERIES	JAMB DEPTH	MAX. OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" NOM.	VARIES SEE SHEET 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067" 12/.099"
				STAINLESS STEEL	16/.053"
MU	5.75" NOM.	VARIES SEE SHEET 2 TABLE 1		CRS/HRS GALV	16/.053" 14/.067"

TABLE 7. STEEL DOOR/FRAME MECHANICAL PROPERTIES

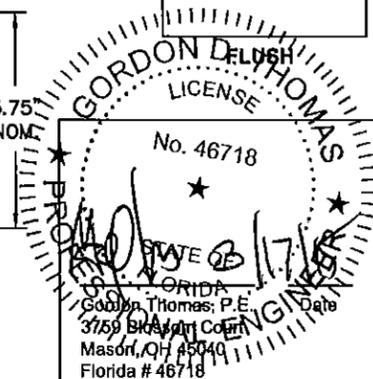
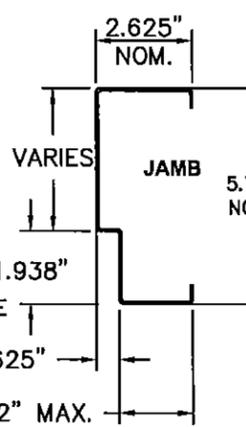
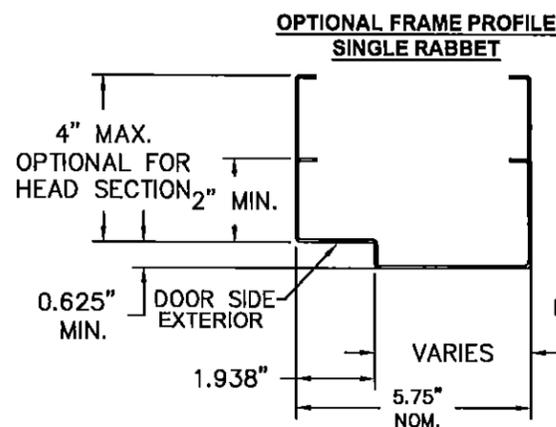
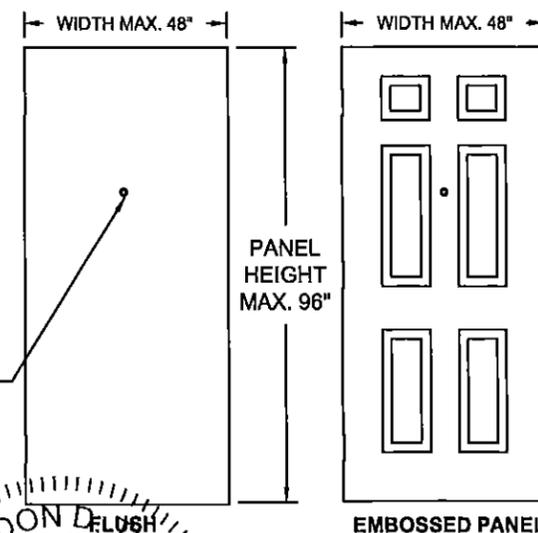
MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A366	MIN. 30.1	MIN. 44.7
HRS	A1011		
GALV: A60	A924	MIN. 31.2	MIN. 73.2
SS: 304,316	A240		

NOTES:

- DOOR CONSTRUCTION
  - NOMINAL DOOR THICKNESS - 1 3/4"
  - DOOR SIZE MAY VARY, SUBJECTED TO COMPLIANCE WITH FLORIDA BUILDING CODE AND PRODUCT(DOOR, FRAME AND HARDWARE) AVAILABILITY FROM MANUFACTURER (SEE SHEET 2 FOR AVAILABLE HARDWARE)
  - DOOR VIEWERS ARE PERMITTED TO BE USED IN DOOR WITH A DESIGN PRESSURE OF +/-75PSF OR LESS. MAXIMUM 9/16" DIAMETER HOLE THROUGH DOOR FOR VIEWER INSTALLATION.
- FRAME CONSTRUCTION
  - NOMINAL JAMB DEPTH - 5-3/4", STOP HEIGHT - 5/8"
  - FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULTI-USE (MU-SERIES) (SEE TABLE 6)
- FOR DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 7.

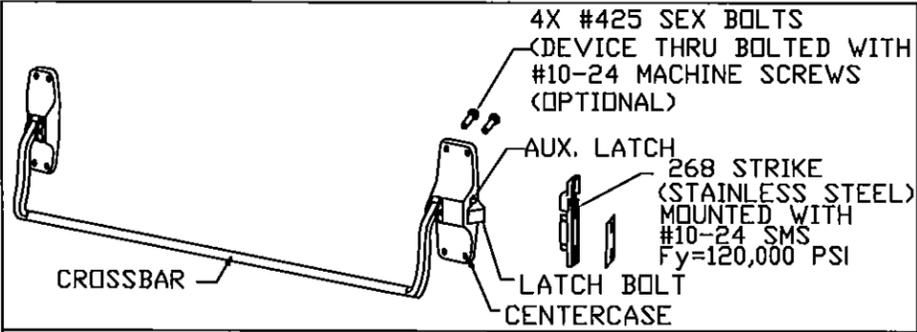


AVAILABLE DOOR PANEL CONFIGURATIONS

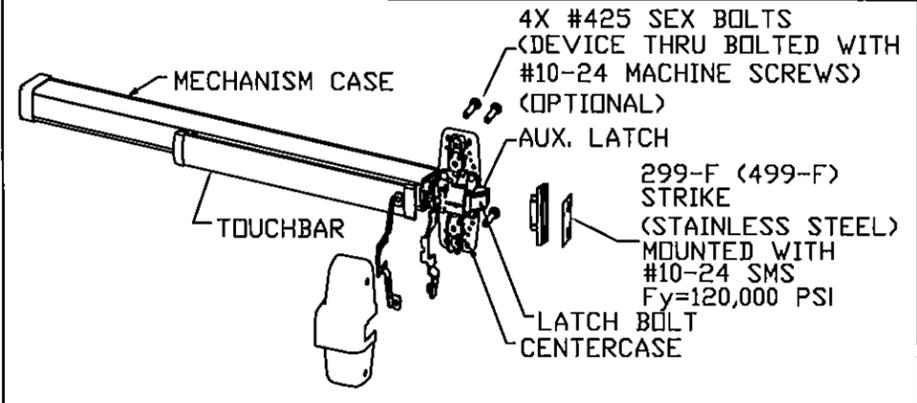


**PRODUCT REVIEWED**  
 for compliance with the Florida Building Code  
 Acceptance No. 13-1217-16  
 Expiration Date 5/5/16  
 By Isheng L. Chan  
 Licensed Trade Product Control

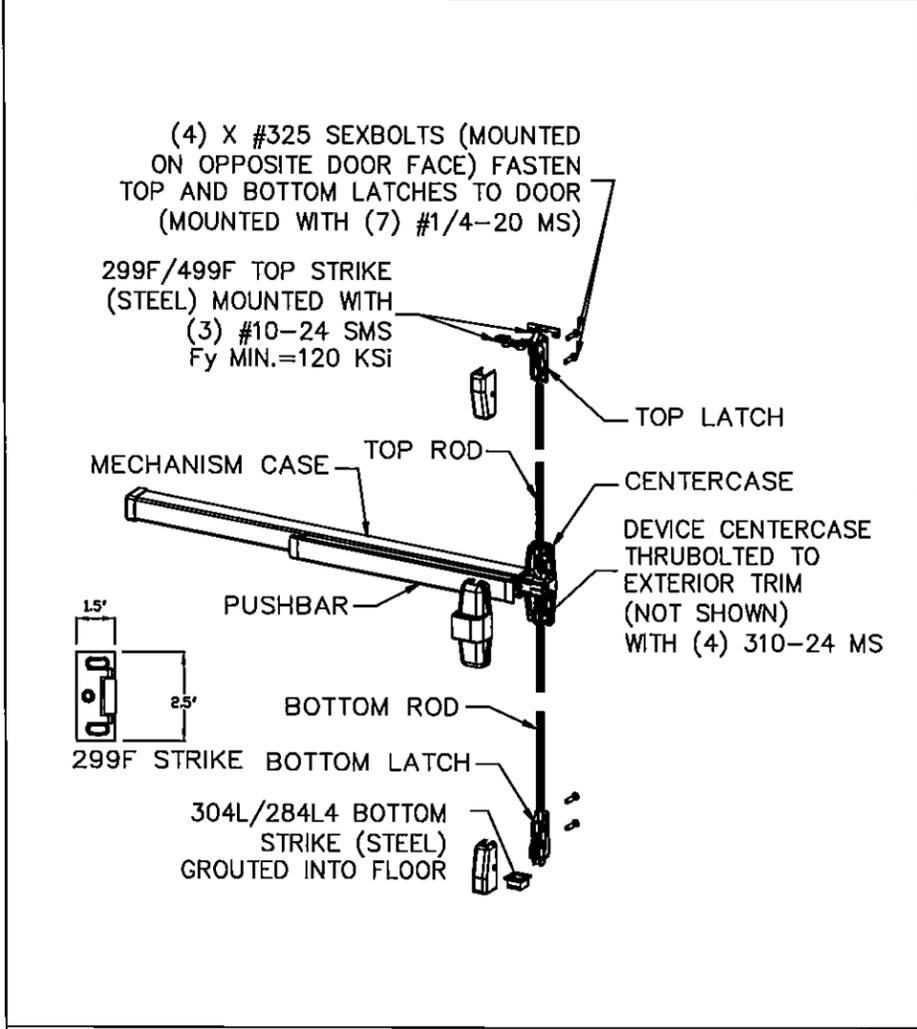
BEND RADIUS	SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION	TITLE STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 06/20/07	FRAME PROFILE, CORNER DETAILS AND DOOR FRAME MATERIAL, AND SIZE OPTIONS		
CHECKED		SIZE	FLAT	REV K
APPROVED		DWG NO.	IRFS07	
ENG. APPVL JPD	10/11/07	SCALE: NTS	AUTOCAD	SHEET 6 of 13



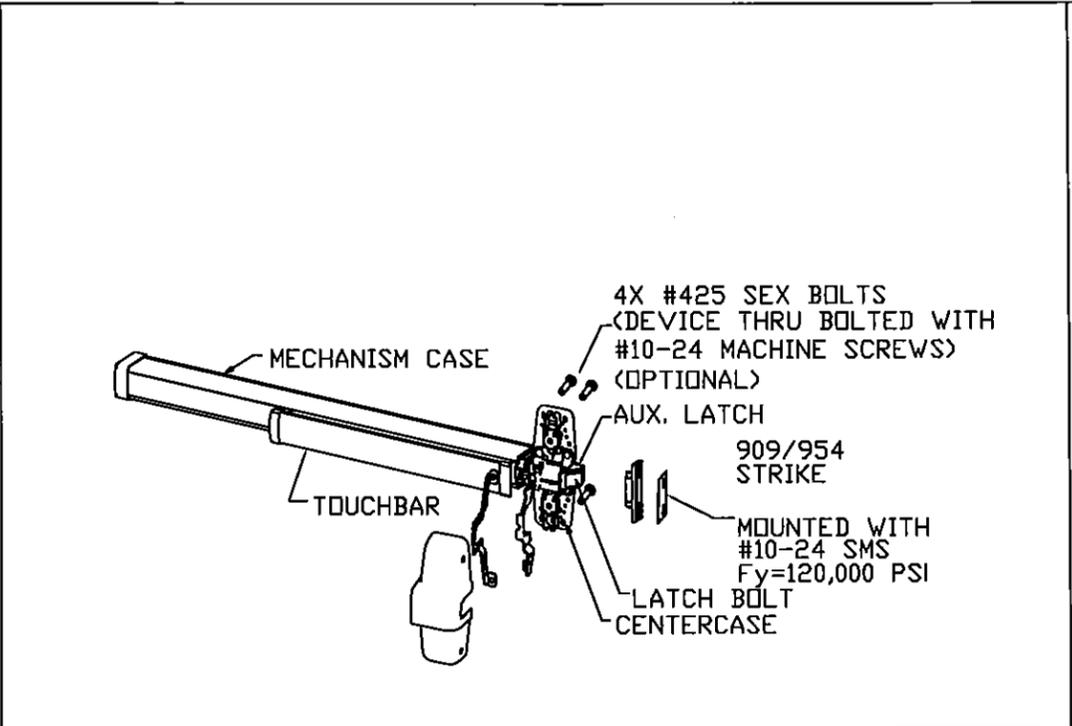
RIM EXIT DEVICE VON DUPRIN 88-F  
USED IN DOOR CONFIGURATION 8 (SEE SHT.1)



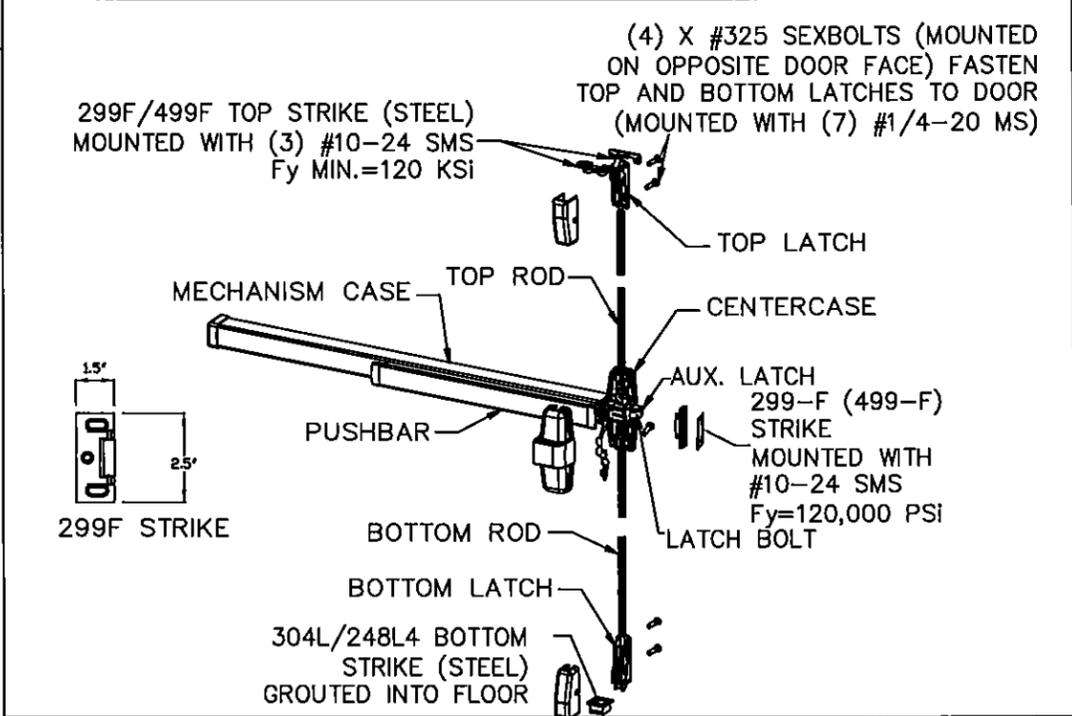
RIM EXIT DEVICE VON DUPRIN 98/99(F)  
USED IN DOOR CONFIGURATION 8 (SEE SHT.1)



SURFACE VERTICAL ROD EXIT DEVICE VON DUPRIN 98/9927(F)  
USED IN DOOR CONFIGURATION 5 (SEE SHT.1)



RIM EXIT DEVICE VON DUPRIN XP98/99(F)  
USED IN DOOR CONFIGURATION 9 (SEE SHT.1)



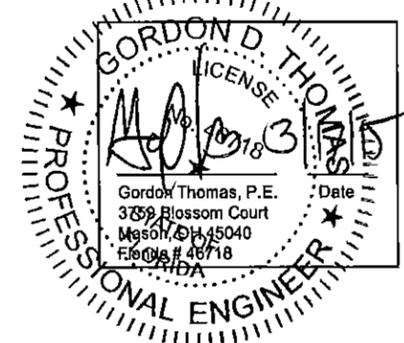
THREE-POINT EXIT DEVICE VON DUPRIN 98/9957(F)  
USED IN DOOR CONFIGURATION 7 (SEE SHT.1)

NOTES:  
ELECTRIC/ELECTRONIC FUNCTION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND MUST BE REVIEWED BY AUTHORITY HAVING JURISDICTION

EXIT HARDWARE OPTIONS:  
FOR 98/99 SERIES - E, RX, LX, SS, EL, QEL, CX, F, ALK  
FOR XP98/99 SERIES - E, RX, LX, QEL, F  
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.  
PN MODEL OFFERED.

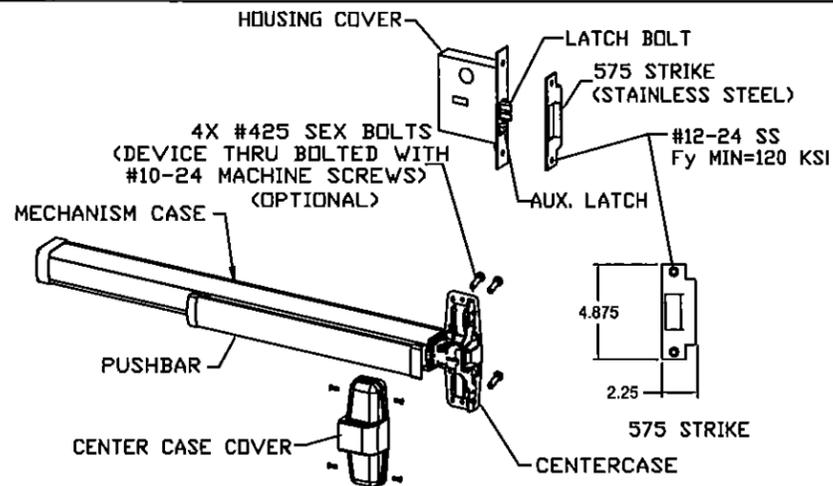
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07
D	REVISED DWG	YMF	01/08/08
F	REVISED DWG	YMF	06/03/08
G	REVISED DWG	YMF	03/03/09
H	REVISED DWG	YMF	04/07/10
J	REVISED NAME	JPD	11/01/13
K	REVISED DWG	JPD	02/01/15

**PROJECT REVISED**  
as complying with the Florida  
Building Code  
Amendment No. 13-1217.16  
Expiration Date 5/5/16  
By: Ishang Chen  
Miami Dade Product Control

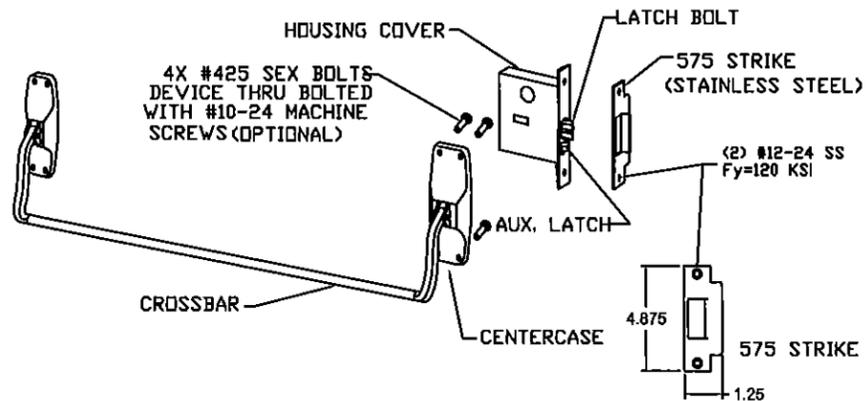


BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN YMF	DATE 05/20/07
CHECKED	CDATE
APPROVED	ADATE
ENG. APPVL JPD	EDATE 10/11/07

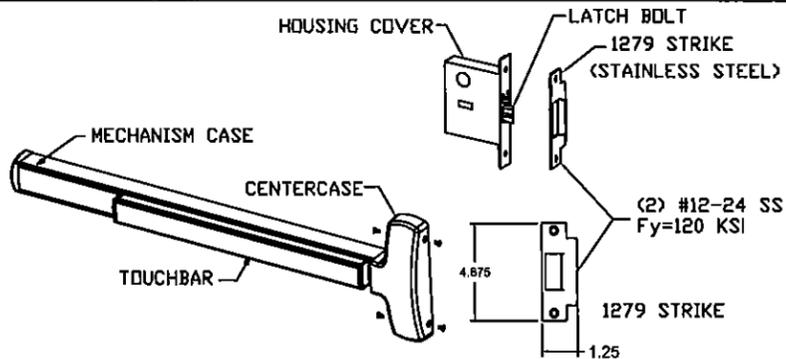
SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
EXIT HARDWARE OPTIONS FOR FLUSH SINGLE DOORS			
SIZE	FLAT	DWG NO.	REV
		IRFS07	K
SCALE	NTS	AUTOCAD	SHEET 7 of 13



MORTISE EXIT DEVICE VON DUPRIN 98/9975(F)  
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

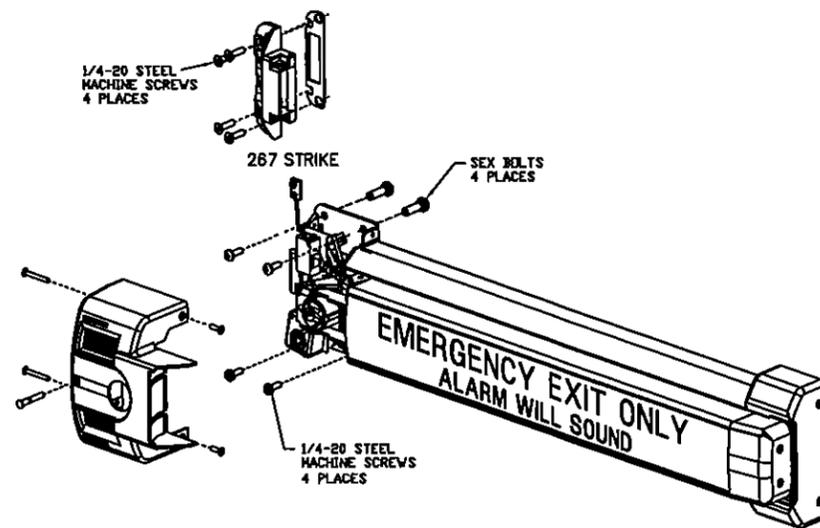


MORTISE EXIT DEVICE VON DUPRIN 8875(F)  
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

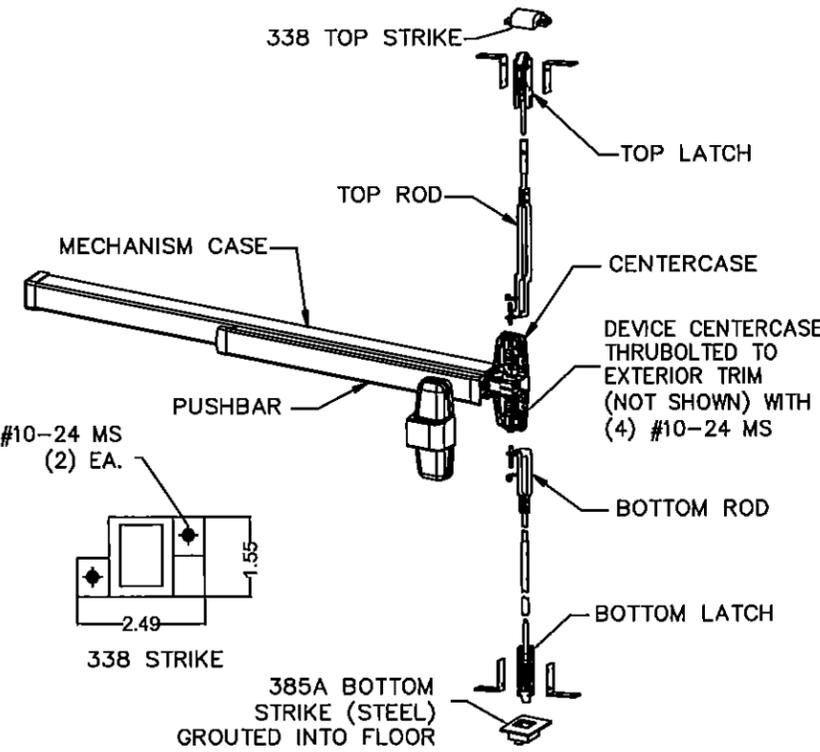


MORTISE EXIT DEVICE FALCON (F)25-M  
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

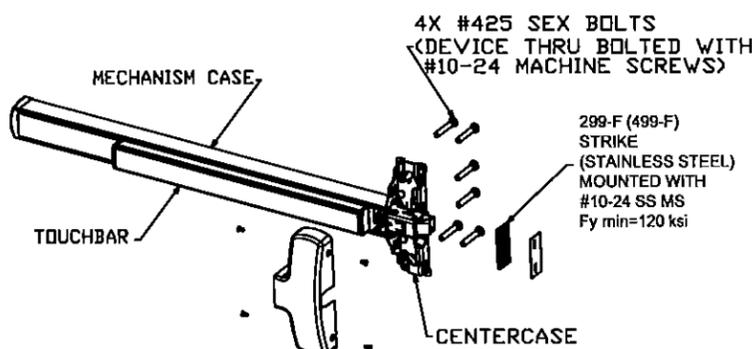
NOTES:  
1. ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.  
2. EXIT HARDWARE OPTIONS:  
FOR 98/99 SERIES - E, RX, LX, SS, EL, QEL, CX, F ALK  
FOR XP98/99 SERIES - E, RX, LX, QEL, F  
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.  
FOR 88-F SERIES RIM - FUNCTION E  
TRIMS: ALL APPLICABLE TRIMS AVAILABLE. PN MODEL OFFERED.  
FOR 2670 GUARD-X  
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.  
FOR FALCON (F)25-R, (F)25-M, F-25-C & (F)25-V SERIES - FUNCTIONS AE, DM, LM, LK, KOR, ED, EL, EA, FSA, FSE, HWEA  
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.



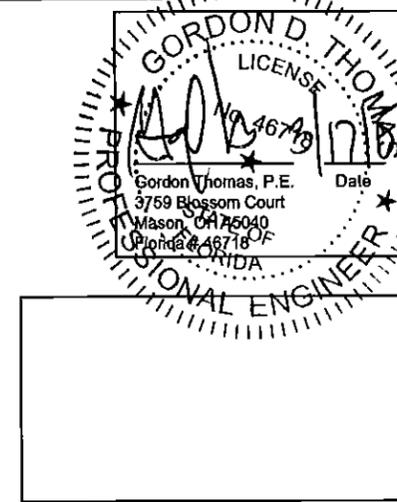
EXIT ALARM LOCK VON DUPRIN 2670 GUARD-X  
USED IN DOOR CONFIGURATION 11 (SEE SHT.1)



CONCEALED VERTICAL ROD EXIT DEVICE VON DUPRIN 98/9947-F  
USED IN DOOR CONFIGURATION 6 (SEE SHT.1)

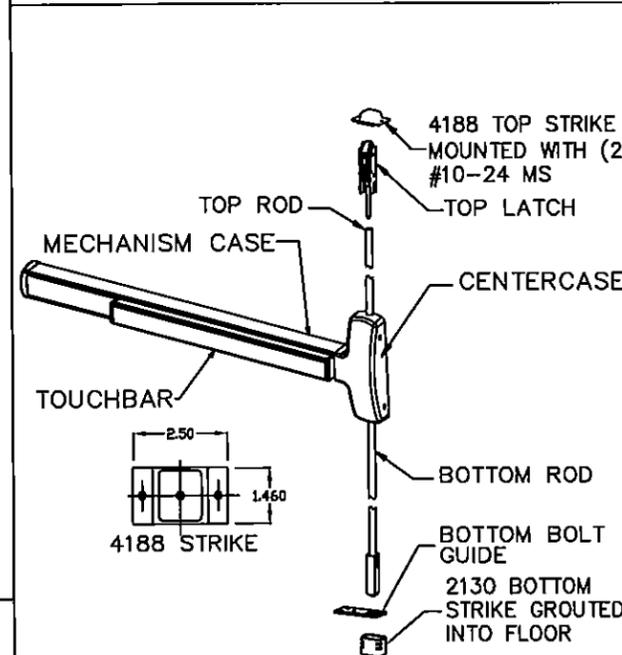


RIM EXIT DEVICE FALCON (F)25-R  
USED IN DOOR CONFIGURATION 13 (SEE SHT.1)

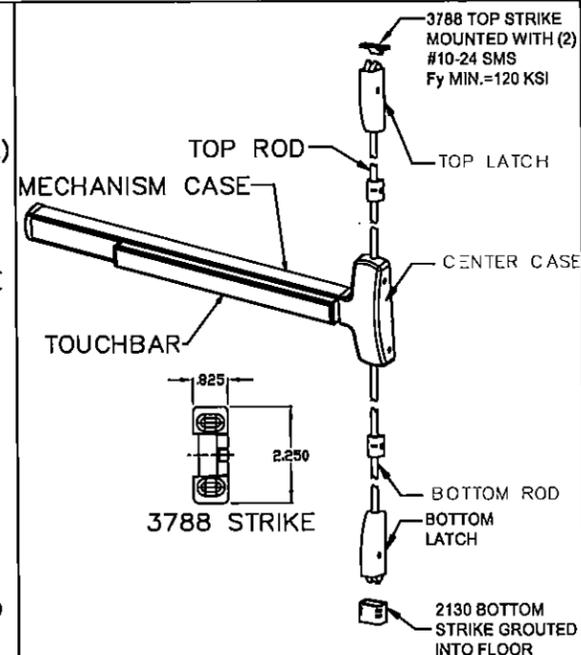


REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07
C	REVISED DWG	RAP	12/10/07
D	REVISED DWG	YMF	12/10/07
E	REVISED DWG	YMF	04/08/08
F	REVISED DWG	YMF	06/03/08
G	REVISED DWG	YMF	03/03/09
H	REVISED DWG	YMF	04/07/10
J	REVISED NAME	JPD	11/01/13
K	REVISED DWG	JPD	02/01/15

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-1217-16  
Expiration Date 07/16  
By: *Shawn J. Thomas*  
Building Code Product Manager



CONCEALED VERTICAL ROD EXIT DEVICE FALCON F-25-C  
USED IN DOOR CONFIGURATION 6 (SEE SHT.1)



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

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN: YMF, DATE: 05/20/07

CHECKED:

APPROVED:

ENG. APPVL: JPD, 10/11/07

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

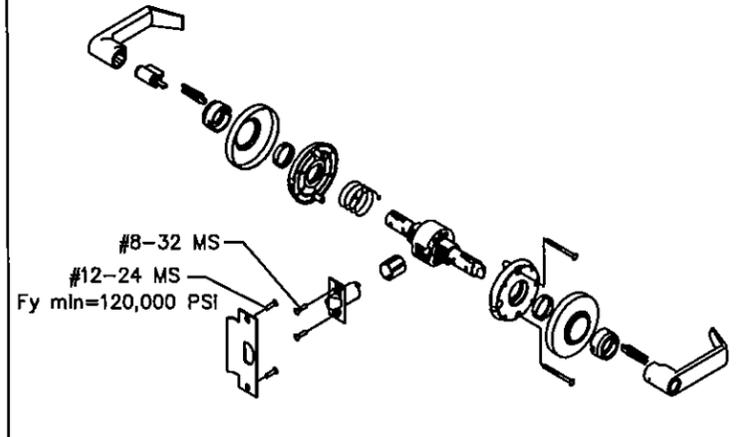
SCHLAGE LOCK COMPANY, LLC  
6810 HILLSDALE COURT  
INDIANAPOLIS, IN 46250

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

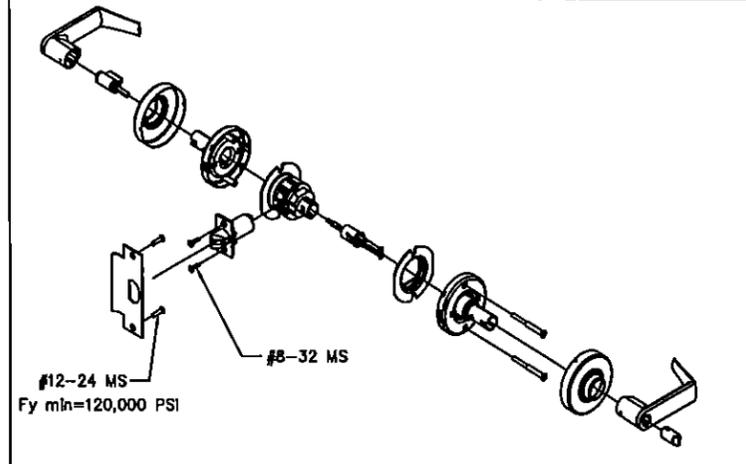
EXIT HARDWARE OPTIONS FOR FLUSH SINGLE DOORS

SIZE: FLAT, DWG NO.: IRFS07, REV: K

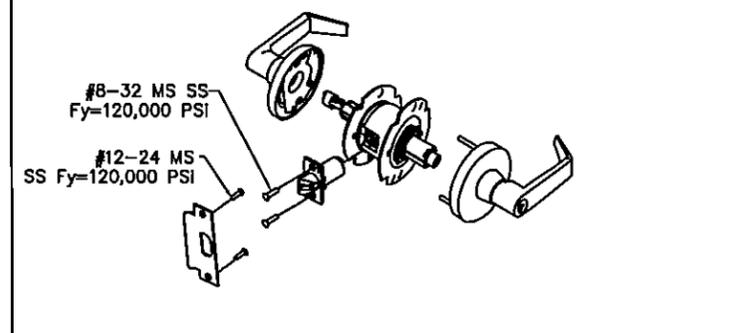
SCALE: NTS, AUTOCAD, SHEET: 8 of 13



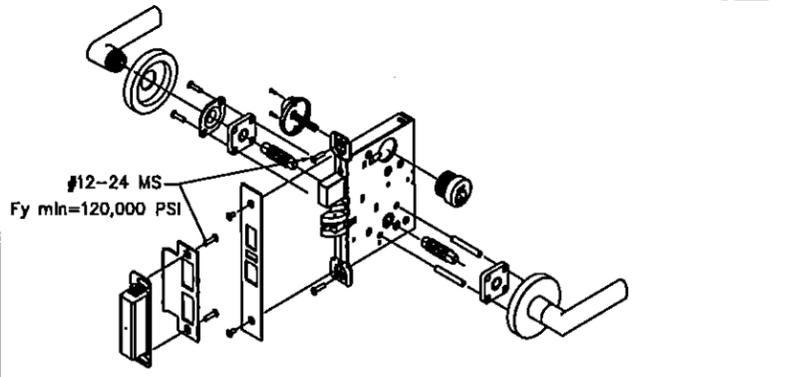
SCHLAGE AL-SERIES CYLINDRICAL LOCKSET WITH 1/2" THROW LATCH  
USED IN DOOR CONFIGURATION 2 (SEE SHT.1)



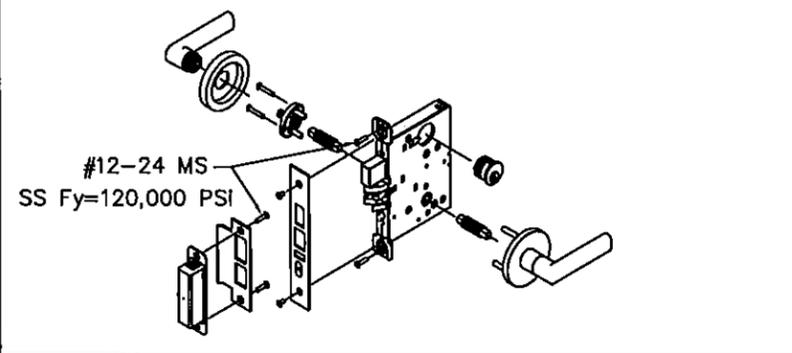
SCHLAGE D/ND-SERIES CYLINDRICAL LOCKSET  
USED IN DOOR CONFIGURATIONS 3 & 4 (SEE SHT.1)



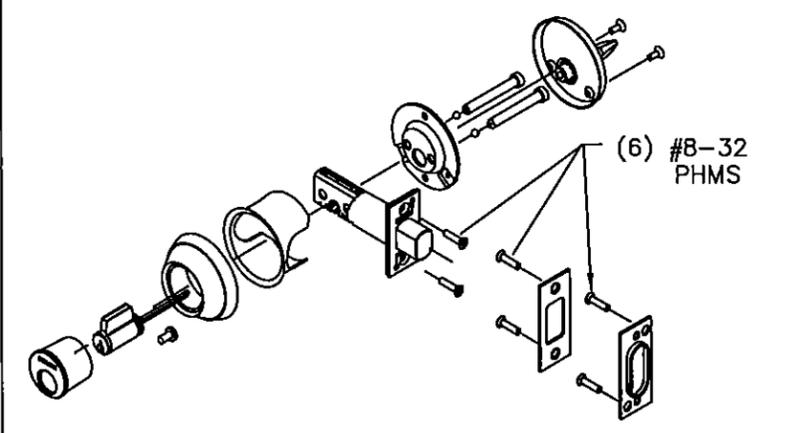
FALCON T-SERIES CYLINDRICAL LOCKSET  
USED IN DOOR CONFIGURATIONS 4 (SEE SHT.1)



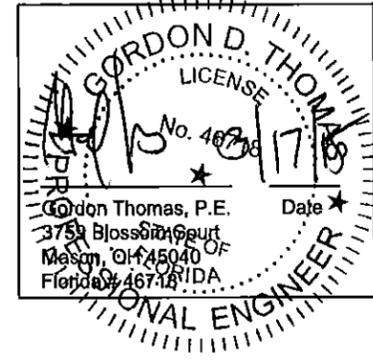
SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET WITH DEADBOLT FUNCTION  
USED IN DOOR CONFIGURATION 1 (SEE SHT.1)



FALCON M-SERIES MORTISE LOCKSET WITH DEADBOLT FUNCTION  
USED IN DOOR CONFIGURATION 1 (SEE SHT.1)



SCHLAGE B600/700/800 CYLINDRICAL DEADLOCK  
USED IN DOOR CONFIGURATION 12 (SEE SHT.1)

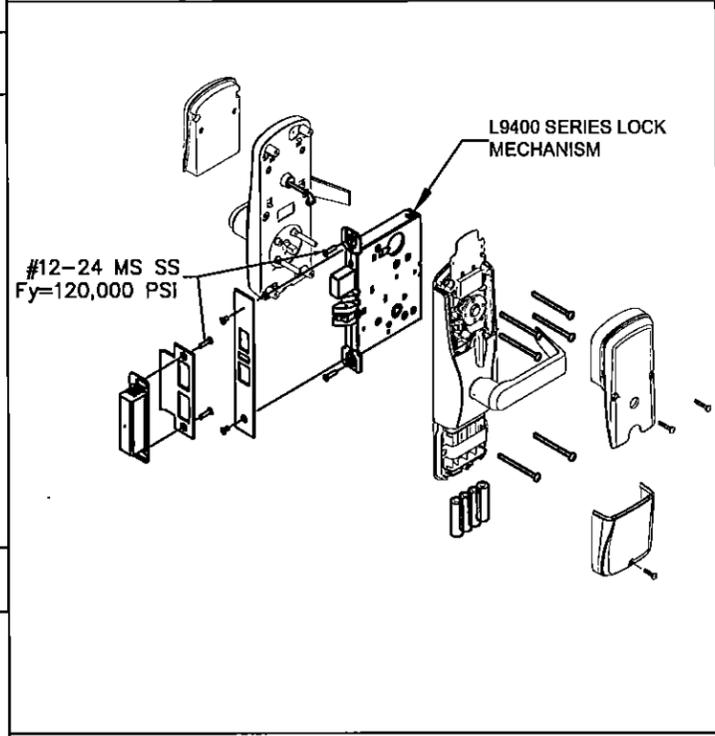


PRODUCT APPROVED  
As complying with the Florida  
Building Code  
Acceptance No. 13-1217-16  
Expiration Date 9/5/16  
By Ishmael L. ...  
Miami Code Product Control

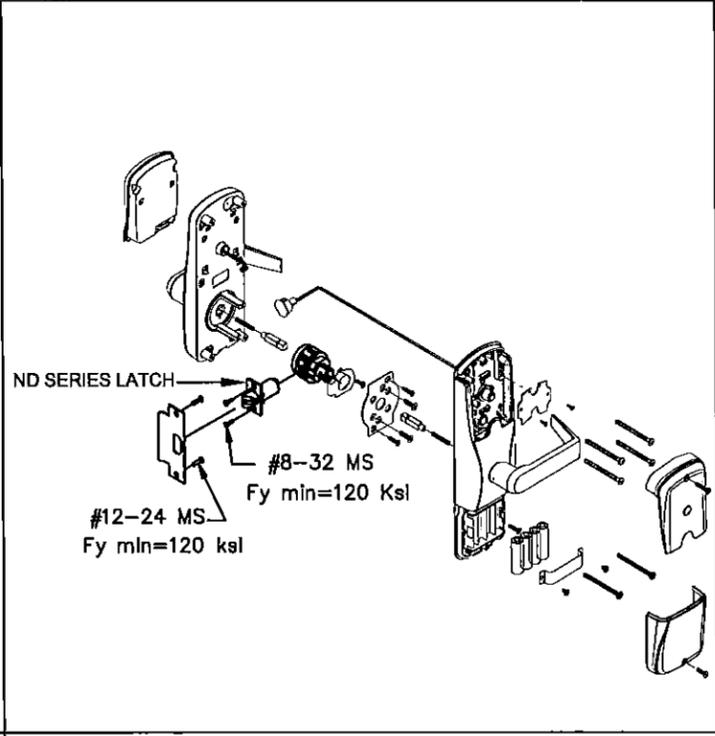
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF 05/20/07	
B	REVISED DWG	RAP 10/11/07	
C	REVISED DWG	RAP 12/10/07	
D	REVISED DWG	YMF 01/08/08	
E	REVISED DWG	YMF 04/08/08	
F	REVISED DWG	YMF 06/03/08	
G	REVISED DWG	YMF 03/03/09	
H	REVISED DWG	YMF 04/07/10	
J	REVISED NAME	JPD 11/01/13	
K	REVISED DWG	JPD 02/01/15	

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



SCHLAGE CO/AD MD SERIES MORTISE LOCKSET W/DEADBOLT  
USED IN CONFIGURATIONS: 1 (SEE SHT. 1)



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

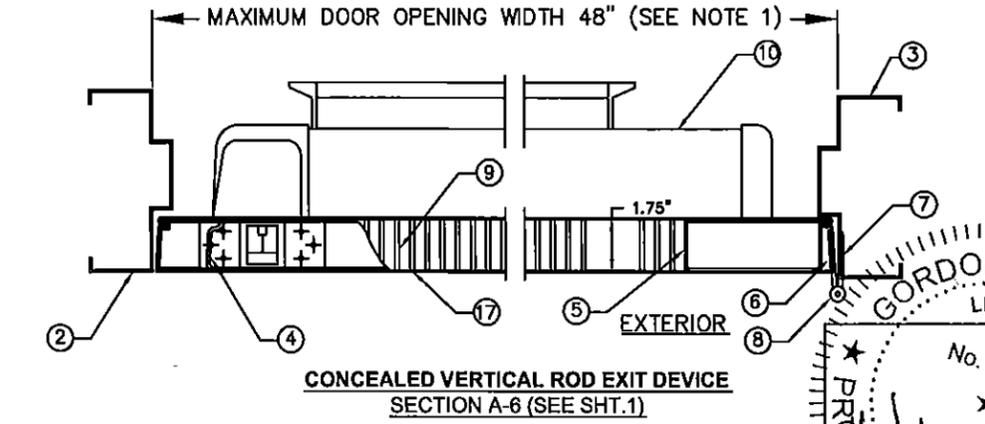
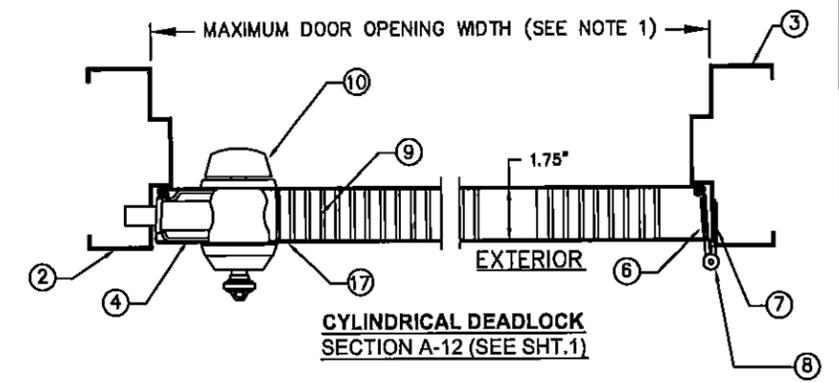
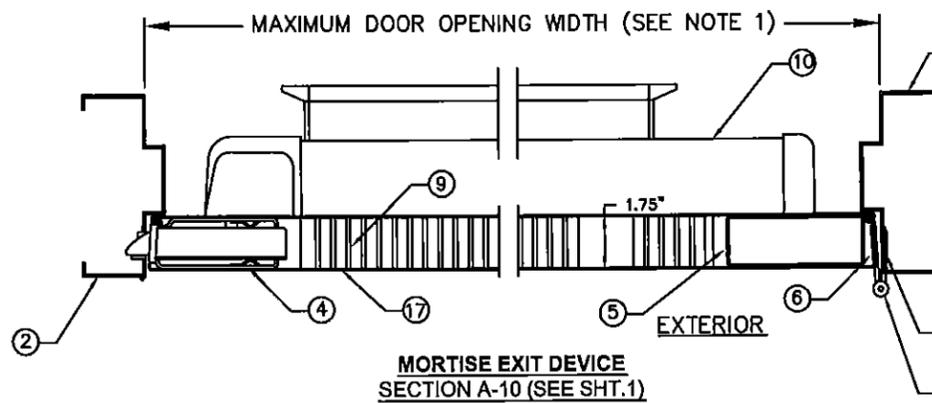
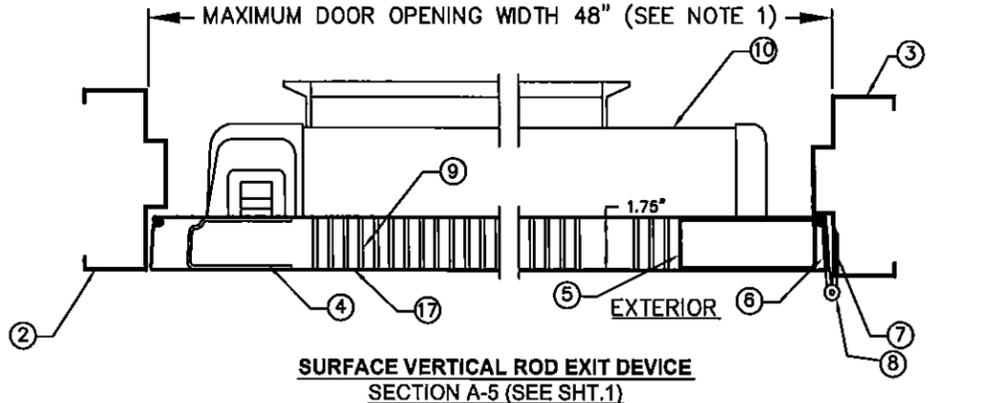
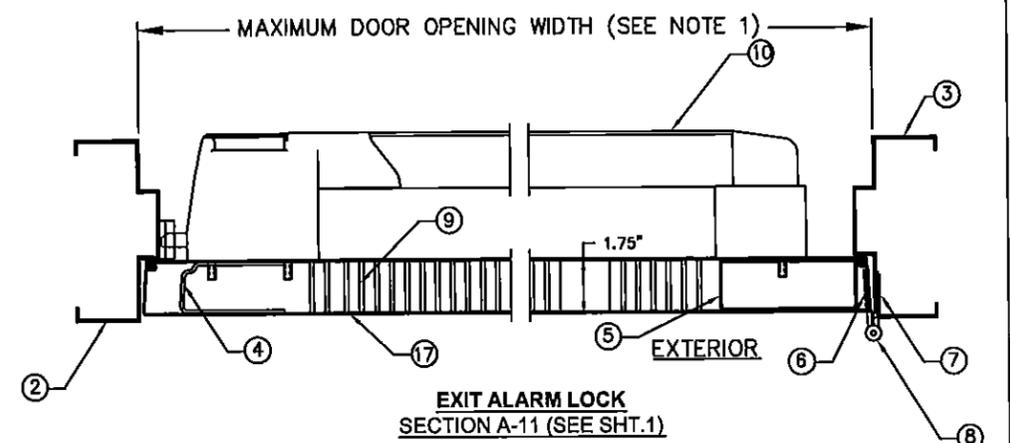
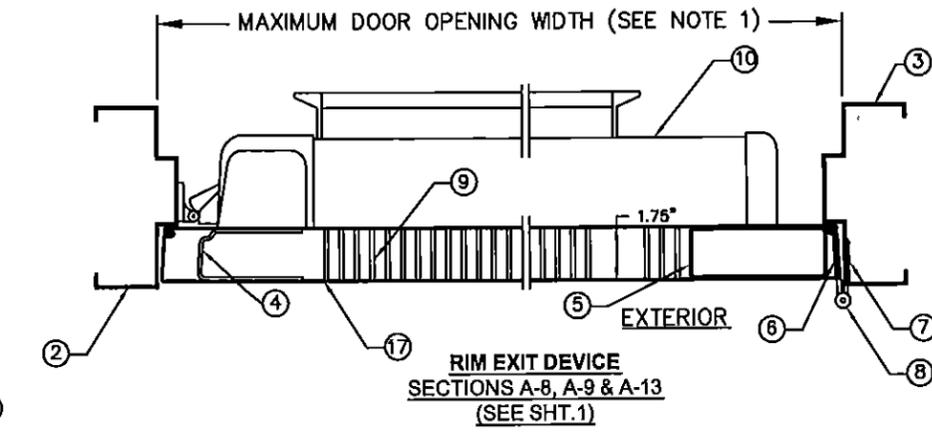
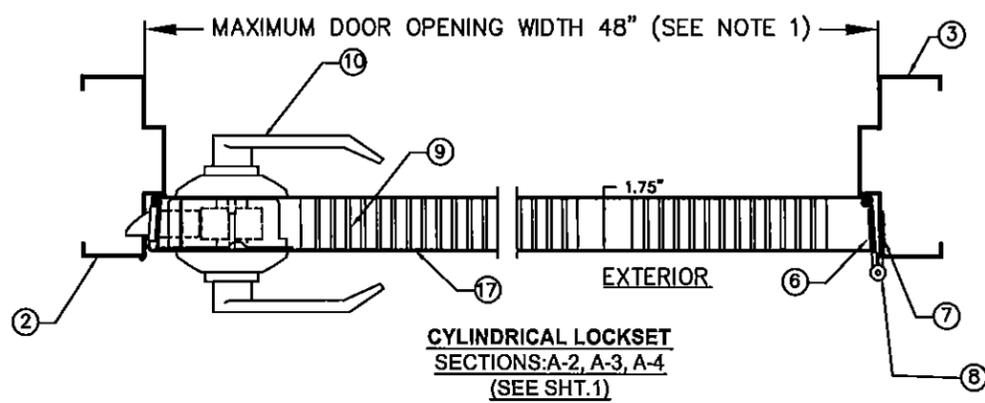
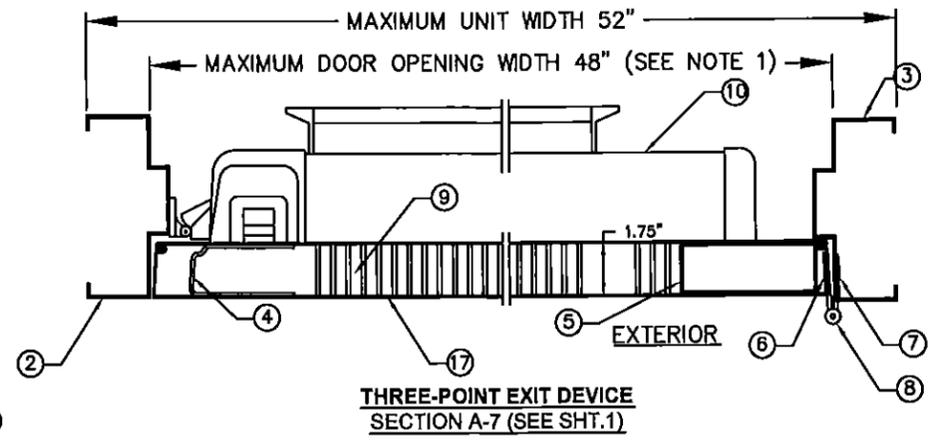
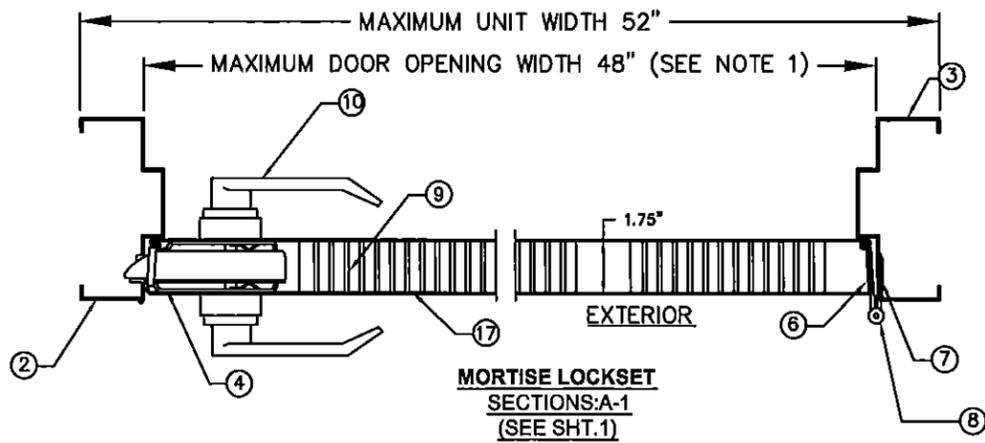
BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN YMF	DATE 05/20/07
CHECKED	
APPROVED	
ENG. APPVL JPD	DATE 10/11/07

SCHLAGE LOCK COMPANY, LLC  
6810 HILLSDALE COURT  
INDIANAPOLIS, IN 46250

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

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

SIZE	FLAT	DWG NO.	REV
		IRFS07	K
SCALE:	NTS	AUTOCAD	SHEET 9 of 13



REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF 05/20/07		
C	REVISED DWG	RAP 12/10/07		
D	REVISED DWG	YMF 12/10/07		
E	REVISED DWG	YMF 04/08/08		
F	REVISED DWG	YMF 06/03/08		
G	REVISED DWG	YMF 03/04/09		
H	REVISED DWG	YMF 04/07/10		
J	REVISED NAME	JPD 11/01/13		

**NOTES:**

1. FOR MAXIMUM OPENING SIZE SEE TABLE 1 ON SHEET 2 .
2. SINGLE OUTSWING DOORS, SEE SHEET 4 FOR INSTALLATION INFORAMTION.

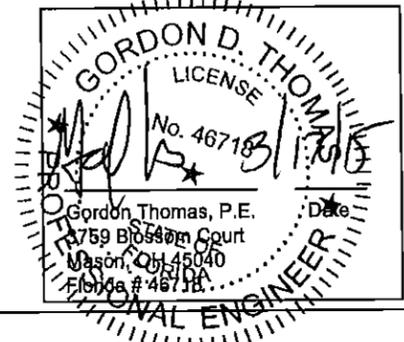
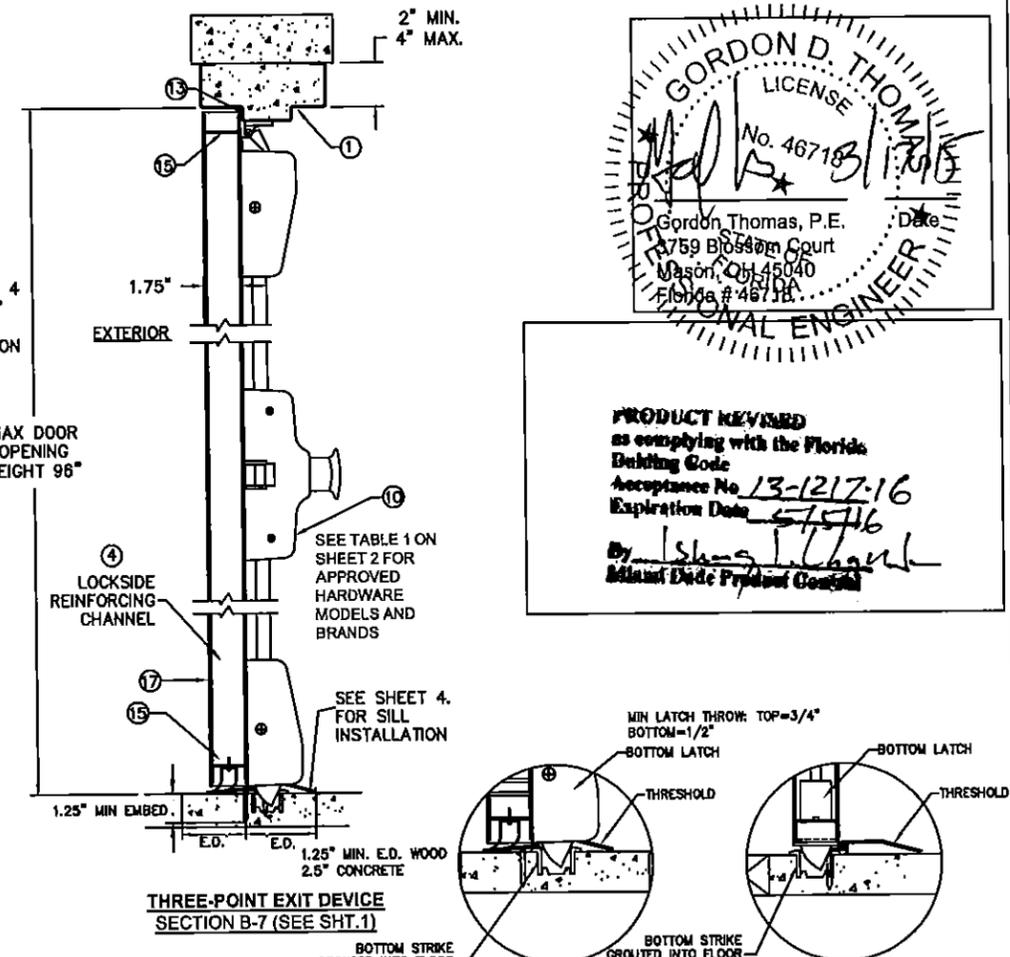
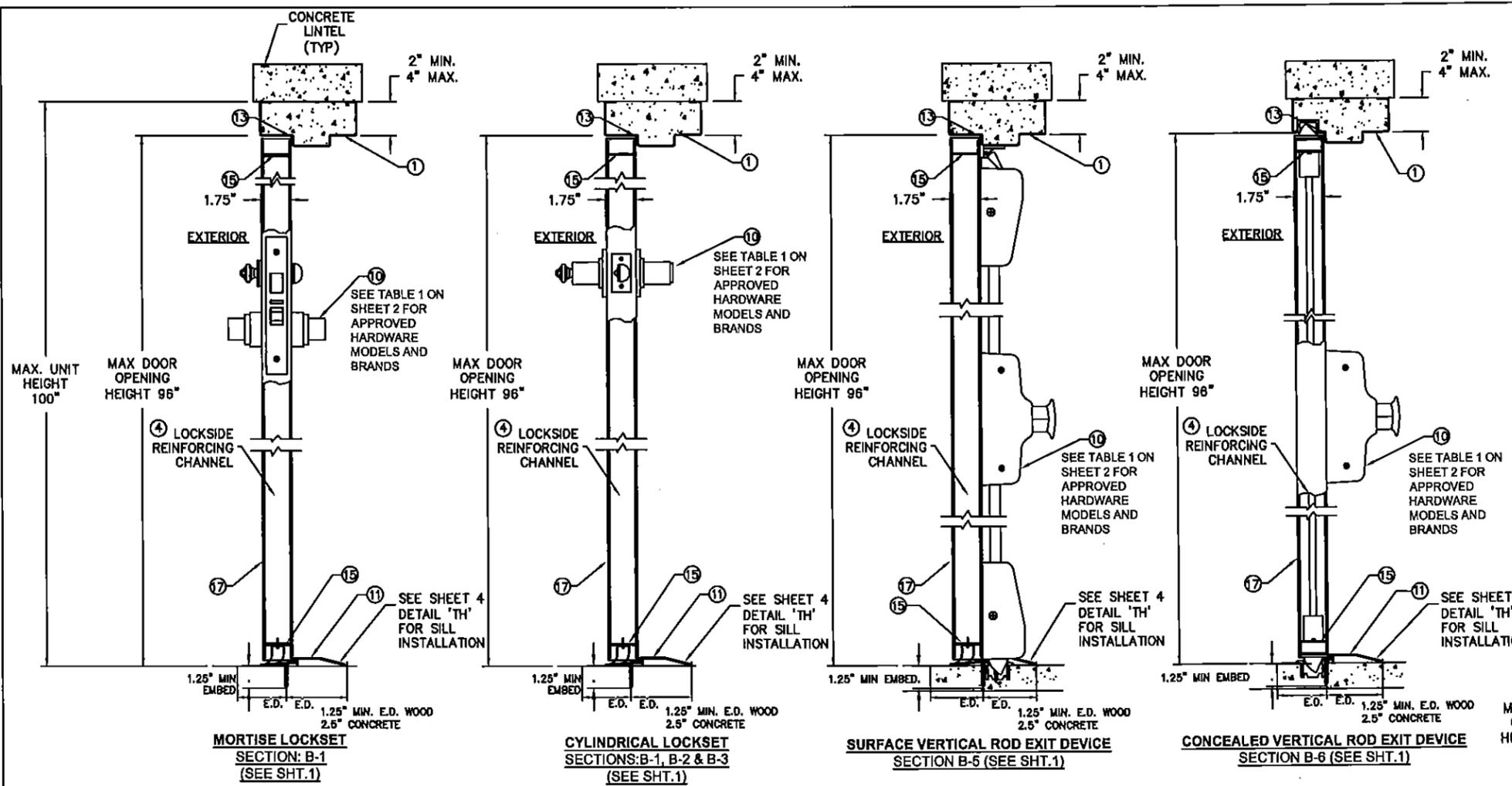
**GORDON D. THOMAS**  
 LICENSE  
 No. 46718  
 STATE OF FLORIDA  
 Professional Engineer  
 3759 Blodorn Court  
 Mason, OH 45040  
 Florida # 46718

**PRODUCT REVIEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 13-1212-16  
 Expiration Date 5/1/16  
 By *Yuhua L. Chan*  
 Island Data Product Control

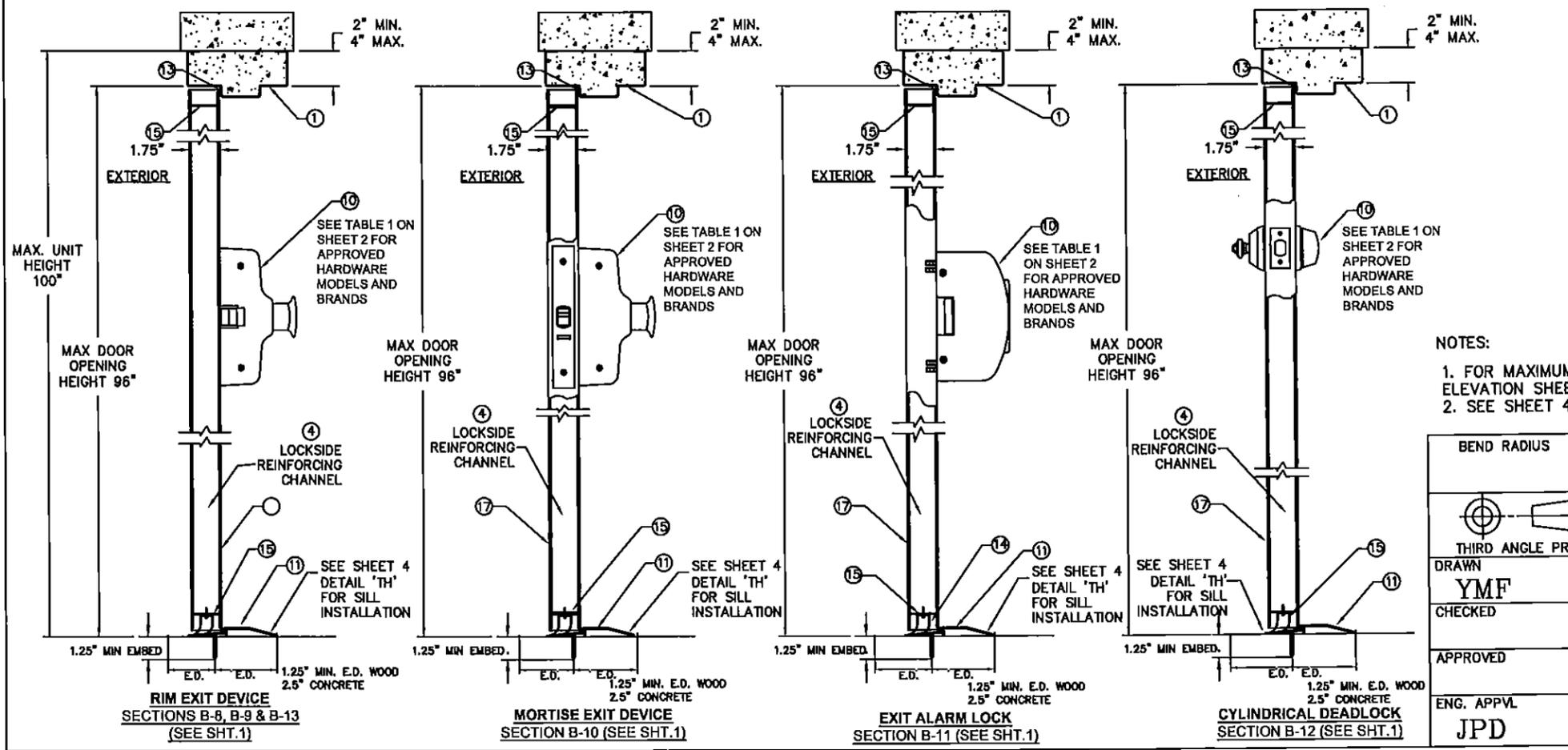
BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 6810 HILLSADLE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION							
DRAWN	DATE	TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES HORIZONTAL CROSS SECTIONS FOR FLUSH SINGLE DOORS.					
YMF	05/20/07						
CHECKED		SIZE	FLAT	DWG NO.	REV		
APPROVED					J		
ENG. APPVL	10/11/07	SCALE:	NTS	AUTOCAD	SHEET 10 of 13		
JPD				IRFS07			

# REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF 05/20/07	
D	REVISED DWG	YMF 01/08/08	
E	REVISED DWG	YMF 04/08/08	
F	REVISED DWG	YMF 06/03/08	
G	REVISED DWG	YMF 03/04/09	
H	REVISED DWG	YMF 04/07/10	
J	REVISED NAME	JPD 11/01/13	
K	REVISED DWG	JPD 02/01/15	



**PRODUCT REVIEWED**  
 as complying with the Florida Building Code  
 Acceptance No. 13-1217-16  
 Expiration Date 5/5/16  
 By: *Ismael Dede*  
 Ismael Dede Product Control

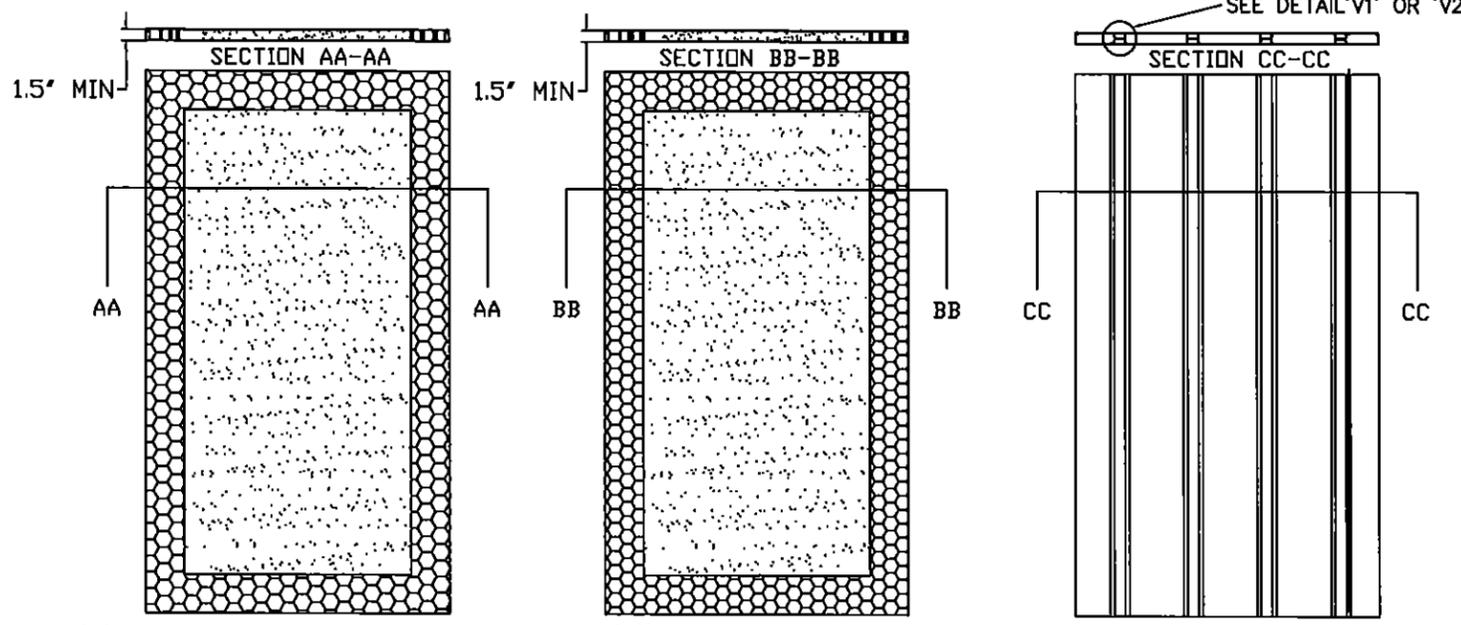


- NOTES:  
 1. FOR MAXIMUM DOOR & UNIT OPENING SIZES SEE ELEVATION SHEET 1 AND TABLE 1 ON SHEET 2.  
 2. SEE SHEET 4 FOR ANCHOR INSTALLATION DETAILS.

BEND RADIUS	SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242
THIRD ANGLE PROJECTION	TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES		
DRAWN YMF	DATE 05/20/07	VERTICAL CROSS SECTIONS FOR FLUSH SINGLE DOORS.	
CHECKED	APPROVED	SIZE FLAT	DWG NO. IRFS07
ENG. APPVL JPD	DATE 10/11/07	SCALE: NTS AUTOCAD	REV K
		SHEET 11 of 13	

REVISIONS

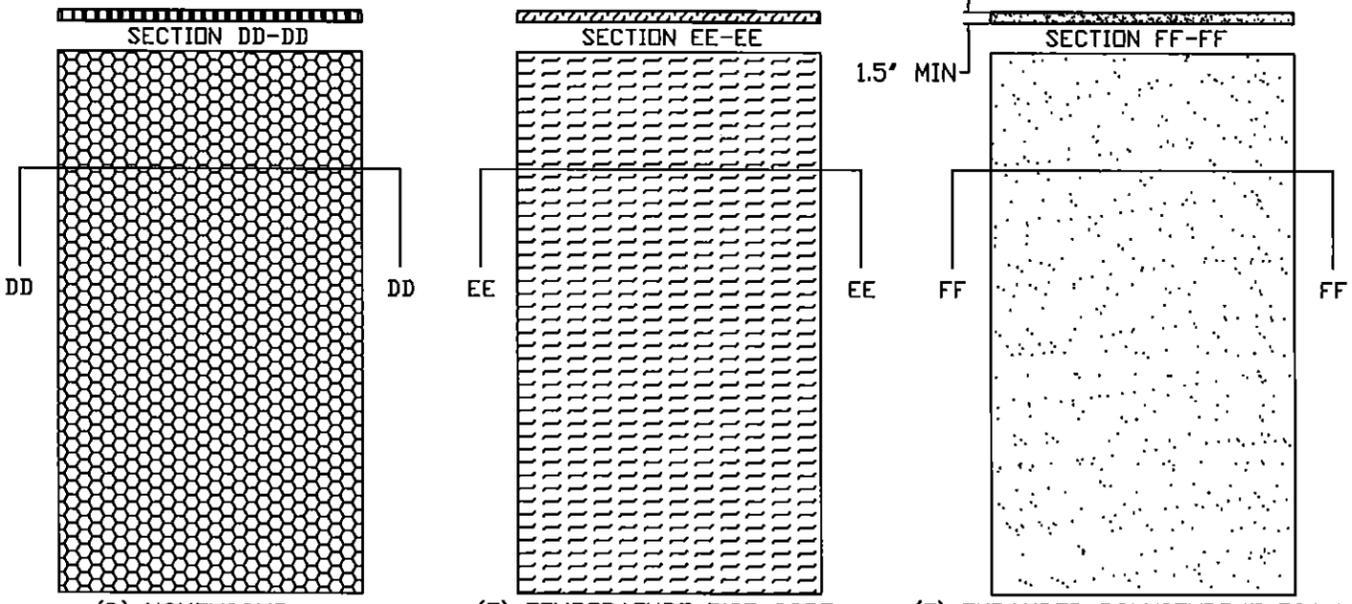
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	JPD 02/03/14	
B	REVISED DWG	JPD 02/01/15	



DETAIL 'V1'  
22GA. HAT SHAPED STIFFENERS SPOTWELDED 6" O.C. TO INSIDE OF FACE SHEETS AND WELDED TOGETHER AT TOP AND BOTTOM

DETAIL 'V2'  
20GA. HAT SHAPED STIFFENERS SPOTWELDED 6" O.C. TO INSIDE OF ONE FACE SHEET AND BONDED TO THE OTHER FACE SHEET

(A) EXPANDED POLYSTYRENE FOAM BY ATLAS EPS DENSITY: 1.0 LBS/FT<sup>3</sup>  
 (B) POLYISOCYANURATE (POLYURETHANE) BY ELFOAM. DENSITY: 2 LBS/FT<sup>3</sup>  
 (C) STEEL STIFFENED HAT SHAPED SECTIONS



(D) HONEYCOMB KRAFT PAPER.  
 (E) TEMPERATURE RISE CORE MINERAL FIBER BOARD DENSITY: 17±1.5 LBS/FT<sup>3</sup> PYROPHOBIC PSL P25C-60 CORE OR MARSHFIELD DOOR SYSTEMS CALCIUM SILICATE MINERAL CORE  
 (F) EXPANDED POLYSTYRENE FOAM BY ATLAS EPS DENSITY: 1.0 LB/FT<sup>3</sup> OR POLYISOCYANURATE (POLYURETHANE) BY ELFOAM. DENSITY: 2 LBS/FT<sup>3</sup>

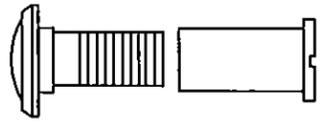
PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 13-1217-16  
 Expiration Date 5/5/16  
 by *[Signature]*  
 Miami Dade Product Council

NOTES:  
 1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS

GORDON D. THOMAS  
 LICENSE No. 46718  
 PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
 3/1/2015  
 6040 N. Thomas St.  
 33193, Doral, FL  
 Florida # 46718

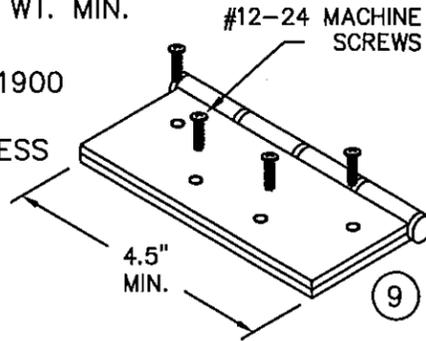
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN JPD	DATE 02/03/14	MIAMI-DADE COUNTY PRODUCT APPROVAL DOOR CORE OPTIONS			
CHECKED		SIZE	FLAT	DWG NO. IRFS07	REV B
APPROVED		SCALE:	NTS	AUTOCAD	SHEET 12 of 13
ENG. APPVL					

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	09/05/13	
B	REVISED	02/01/15	



24 IVES 698/U698 DOOR VIEWER

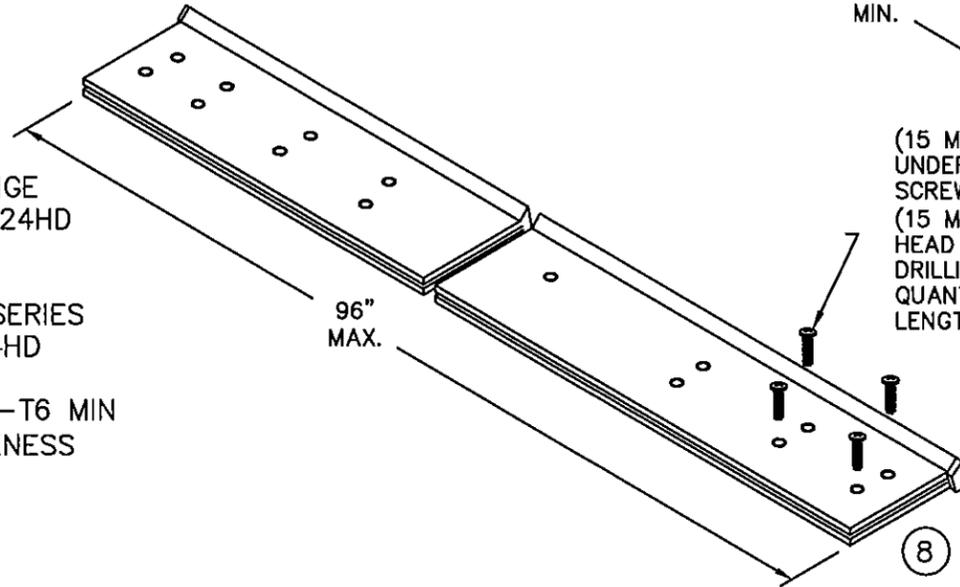
STEEL BUTT HINGE  
 4.5" X 4.5" STD. WT. MIN.  
 IVES 5BB1/3CB1  
 STANLEY FBB179/1900  
 HAGER BB1279  
 .134" MIN. THICKNESS  
 Fy MIN. = 36ksi



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

8

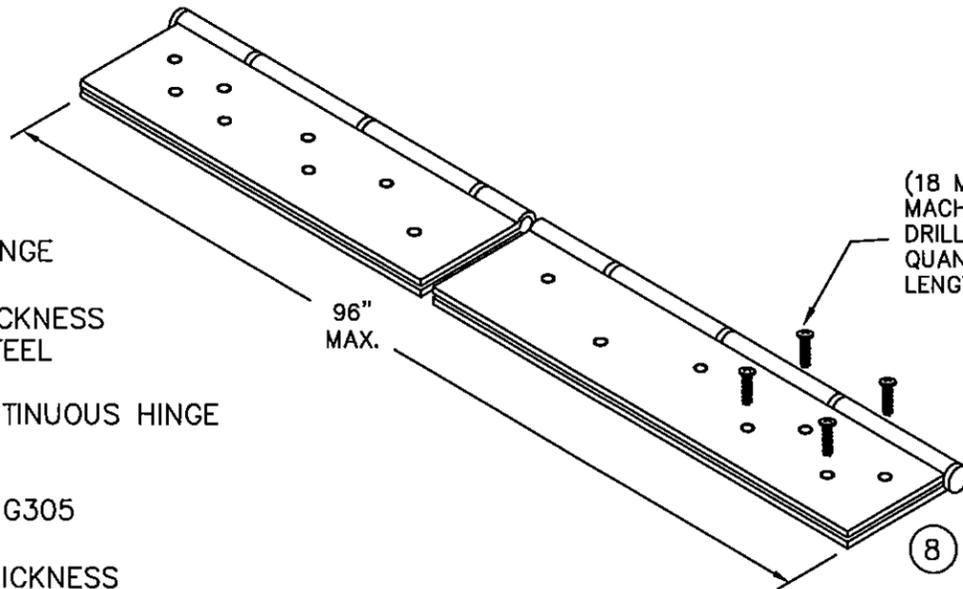
CONTINUOUS HINGE  
 IVES 112HD & 224HD  
 STANLEY 661HD  
 SELECT SL11HD  
 PEMKO FM\_HD SERIES  
 HAGER 780-224HD  
 ABH A240HD  
 ALUMINUM 6036-T6 MIN  
 .110" MIN. THICKNESS



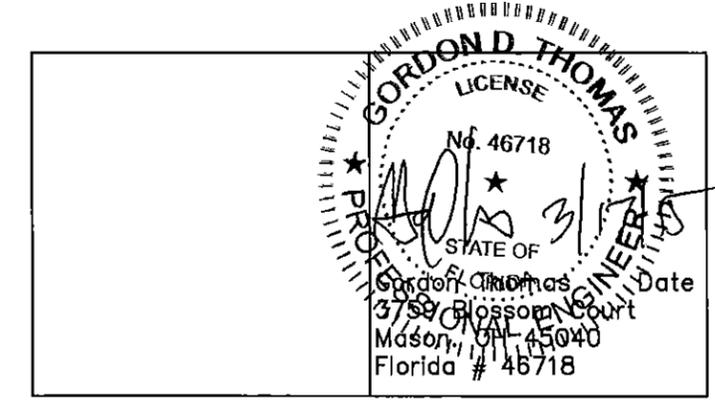
(18 MIN.) #10-24X 1/2" MIN. MACHINE SCREW OR SELF DRILLING EACH HINGE LEAF  
 QUANTITY VARIES PER HINGE LENGTH

8

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



PRODUCT REVIEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 13-1217.16  
 Expiration Date MAY 05, 2016  
 By: Isham J. Chantak  
 Miami Dade Product Council



- 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 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
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DRAWN JPD	DATE 02/03/14	HINGE OPTIONS		SIZE	FLAT
CHECKED		DWG NO. IRFS07		REV B	
APPROVED		SCALE: NTS	AUTOCAD	SHT 13 OF 13	
ENG. APPVL.					