



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

APPROVAL DOCUMENT: Drawing No IRF-D07 Rev K, titled "Steelcraft H series Double Flush outswing", sheets 1 through 13 of 13, prepared by the manufacturer, dated 05-20-07 and last revised on 08/30/15, signed and sealed by Thomas Gordon, P.E., 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 #13-1217.17 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.**



4/21/16

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts and sections drawings (Submitted under file as below).
2. Drawing No **IRF-D07 Rev K**, titled "Steelcraft H series Double Flush outswing", sheets 1 through 13 of 13, prepared by the manufacturer, dated 05-20-07 and last revised on 08/30/15, signed and sealed by Thomas Gordon, P.E.

B. TESTS (Submitted under files #13-1217.17/#12-0305.13/ #10-0209.06/#07-0829.03)

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

Along with manufacturer's parts and section drawings of Single outswing steel doors w/ Stainless steel continuous Hinges & modified Hat stiffeners, marked by Certified Testing Lab, Test Reports No(s). **CTLA-3045W** dated February 16, 2015, signed and sealed by Ramesh Patel, P.E.

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 and **NCTL-210- 3357-1**, both signed and sealed by Gerry Ferrara, P. E.

Ishaq I. Chanda
Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 15-0930.05

Expiration Date: May 05, 2017

Approval Date: April 28, 2016

Schlage Lock Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (continue)

5. Test report on (transferred from 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.

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

C. CALCULATIONS:

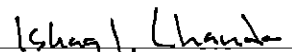
1. Anchor verification calculations per FBC 2014 (5th Edition) dated 08/30/15, prepared, signed & sealed by Thomas Gordon., P.E.
2. Hinge Load Evaluation report dtd 01/04/04, prepared, signed & sealed by Thomas Gordon, P.E.

D. QUALITY ASSURANCE BY

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

E. MATERIAL CERTIFICATIONS (items 6 thru 9, submitted under file # 10-0209.07)

1. Material composition & Flammability properties and Material Safety Data sheet of Pyrophobic P25C-60 core by Pyrophobic System LTD, dated DEC 05, 2010, issued by I. Zhvanetsky, chemical consultant.
2. Material composition & Flammability properties and Material Safety Data sheet of Calcium Silicate mineral block, issued by Marshfield Door Sys, Inc., Marshfield. WI 54449.
3. Test Report No. **12-11177**, Nov 29, 2012, issued by Commercial Testing Co. for "Surface Flame spread & Smoke density Characteristics of Building material" per ASTM E84-12 for "Elfoam P200", issued to Elliott Co. of Indianapolis Inc.
4. Test Report No. **16206-122543 (1015P200(3))**, dated November 29, 2004 for " Surface Burning Characteristics of Bldg. material" per ASTM E84 and self-Ignition per ASTM 1929D for "Polyisocyanurate" issued by Omega Point Laboratories, Inc. to Elliot Co., Indianapolis, IN.
5. Tensile test report # CTLA-776W (0194H), dtd 02/25/02 prepared by CTL, Architectural Division, sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
6. Test Report No. **3094867SAT-001**, April 13, 2006, issued by Intertek for "Surface Burning Characteristics of Building material" per ASTM E84 and self-Ignition per ASTM 1929D for "EPS", issued to Falcon Foam, a Div. of Atlas Roofing, re-named as "ATLAS EPS"



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No. 15-0930.05

Expiration Date: May 05, 2017

Approval Date: April 28, 2016

Schlage Lock Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (continue)

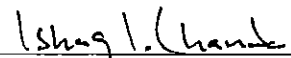
7. Tensile Test report No. A103W1-Test 1, 2 & 3 dated 23 APR 03 per ASTM E-8 for steel face sheet, prepared by Certified Testing laboratory, signed and sealed by Ramesh Patel, P.E.
8. Test Report No. **3094867SAT-001**, April 13, 2006, issued by Intertek for "Surface Burning Characteristics of Building 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, balanced items submitted under files referenced above.

1. Letter of conformance to FBC 2014 (5th Edition), dated 08/30/15-, prepared, signed and sealed by Gordon Thomas, P.E.
2. Statement letter dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
3. Ingersoll-Rand press release, dated 12/10/12, integrating the brands of Ingersoll-Rand and Schlage among others.
4. Department of State Certification of Reinstatement for **SCHLAGE LOCK COMPANY, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/17/06 and filed with the Secretary of State
5. Certification of Formation dated 12-08-2003 of Schlage Lock Company, LLC, issued by Secretary of State of Delaware.
6. Statement letter of conformance to FBC 2007 and no financial interest, dated FEB 02, 2010, prepared, signed and sealed by Gordon Thomas, P.E.
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 #13-1217.17**, expiring on 05/05/17.
2. One year conditional approval, subjected to successful verification test.
3. Request for 1-Year renewal by Schlage Company dated 02/02/16, 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).



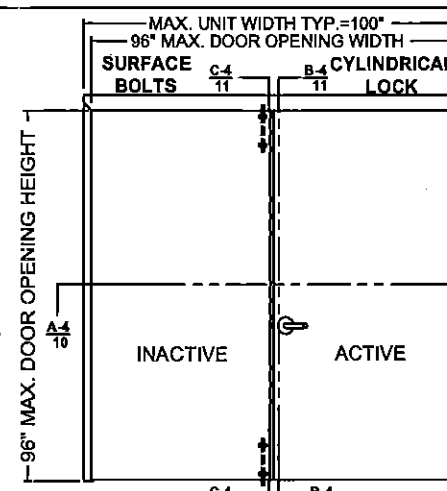
Ishaq I. Chanda, P.E.

Product Control Examiner

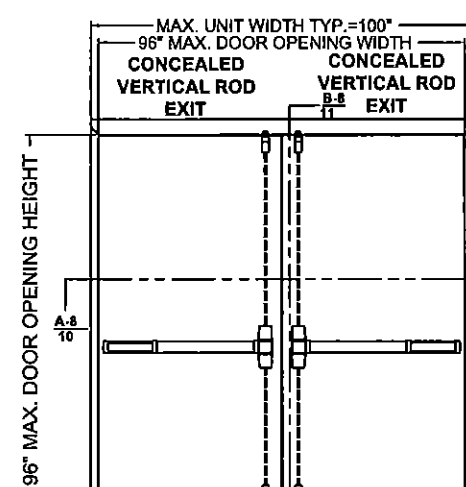
NOA No. 15-0930.05

Expiration Date: May 05, 2017

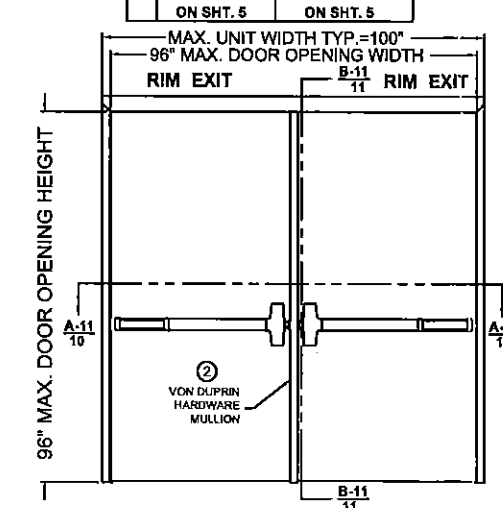
Approval Date: April 28, 2016



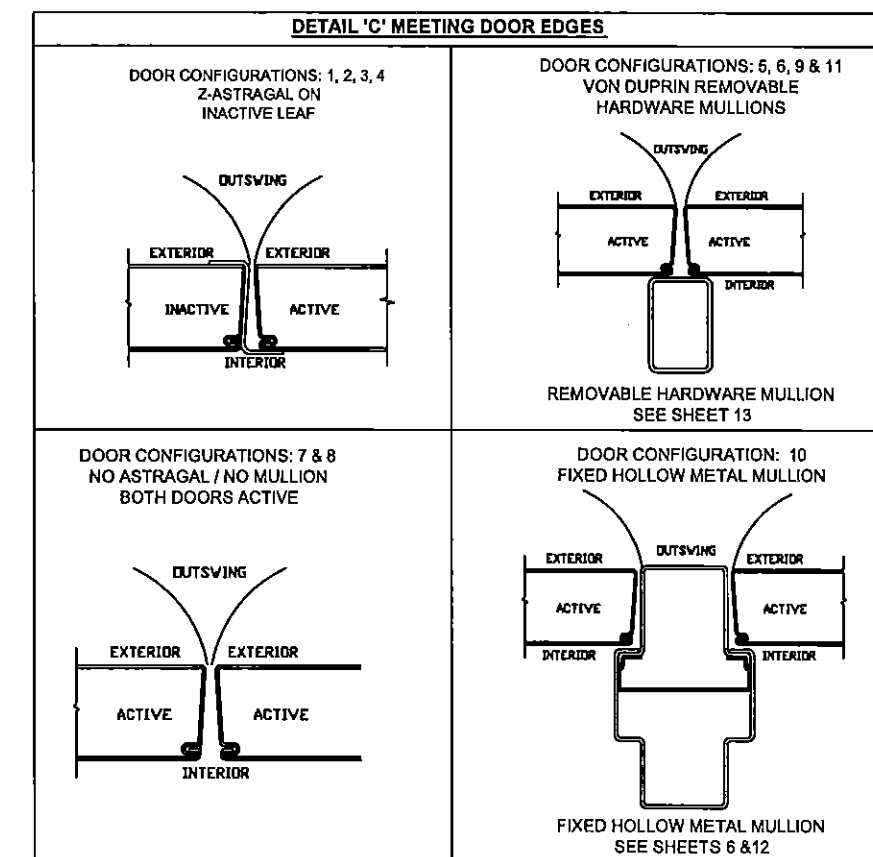
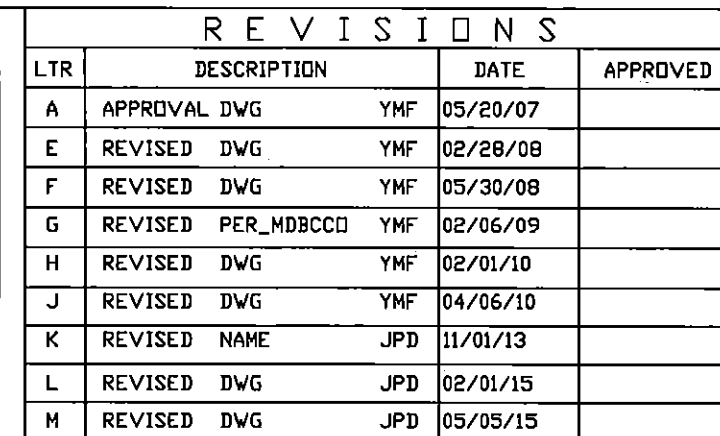
CONF. 4	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED
	±75 SEE TABLE 3 ON SHT. 5	±75 SEE TABLE 4 ON SHT. 5



8	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS <u>NEEDED</u>	WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED
	±70	±70
	SEE TABLE 3	SEE TABLE 4



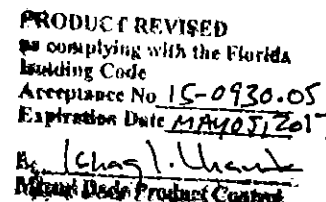
CONFIG.	DESIGN PRESSURE RATING, PSF	
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> NEEDED
11	+70/-55 SEE TABLE 3 ON SHT. 5	+70/-55 SEE TABLE 4 ON SHT. 5

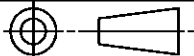


COMPLIANCE STATEMENT:
1. THESE PRODUCTS HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS201, 202 & 203-94 AND COMPLY WITH THE CURRENT FLORIDA BUILDING CODE.

NOTES:

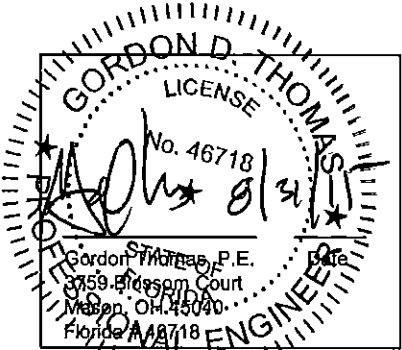
1. INTERIOR VIEWS ARE SHOWN FOR ALL ELEVATIONS (OUTSWING DOORS)
2. SEE TABLE 1 ON SHEET 2 FOR HARDWARE APPLICATIONS AND LIMITATIONS
3. SEE SHEET 3 & 13 FOR HINGE REQUIREMENTS
4. SEE SHEETS 4 & 14 FOR ANCHORING TYPES AND LIMITATIONS
5. SEE SHEET 5 FOR WEATHERSTRIPPING INSTALLATION DETAILS AND LIMITATIONS
6. SEE SHEETS 3, 4 AND 5 FOR SILL INSTALLATION INFORMATION



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 DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF	DATE 05/20/07	MIAMI-DADE COUNTY PRODUCT APPROVAL FLUSH OUTSWING, DOUBLE DOORS AND HARDWARE CONFIGURATIONS.			
CHECKED					
APPROVED		SIZE	FLAT	DWG NO.	REV
				IRFD07	M
ENG. APPVL JPD	10/12/07	SCALE:	NTS	AUTOCAD	SHEET 1 OF 14

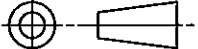
Door Configuration	Maximum Design Pressure, PSF		Maximum Door Opening Size, in.		TABLE 1 Locking Hardware Description				Comments
	Positive	Negative	Width	Height	Hardware Family	Model/Series	Strike Models	Brand	
1	75	75	96	96	Mortise Lock	L/LV9400/AD MD	10-072	Schlage	Function with deadbolt, 3/4" min. throw latch & 1" min throw deadbolt
						M	ANSI	Falcon	
2	55	55	96	96	Cylindrical Lock	AL	10-025	Schlage	1/2" throw latch
3	65	65	96	96	Cylindrical Lock	D/ND/AD CYL	10-025	Schlage	1/2" throw latch
4	75	75	96	96	Cylindrical Lock	D/ND/AD CYL	10-025	Schlage	3/4" throw latch
						T	ANSI	Falcon	3/4" throw latch
5	90 SEE NOTE 4.	90 SEE NOTE 4.	96	96	Rim Exit Device	XP 98/99(F)	909/954	Von Duprin	for pairs use (KR)9954 mullion by Von Duprin
6	70	70	96	96	Rim Exit Device	98/99(F)	299F/499F	Von Duprin	for pairs use (KR)9954 mullion by Von Duprin
						88-F	268	Von Duprin	
7	70	70	96	96	Surface Vertical Rod Exit Device	98/9927(F)	299F/499F Top, 304L/248L4 Bottom	Von Duprin	
						(F)25-V	3788 Top, 2130 Bottom	Falcon	
8	70	70	96	96	Concealed Vertical Rod Exit Device	98/9947-F	338 Top, 385A Bottom	Von Duprin	
						F-25-C	4188 Top, 2130 Bottom	Falcon	
9	70	70	96	96	Three-Point Latching Device	98/9957(F)	299F/499F Top/Middle, 304L/248L4 Bottom	Von Duprin	for pairs use (KR)9954 mullion by Von Duprin
10	70	70	48	96		98/9957(F)	299F/499F Top/Middle, 304L/248L4 Bottom	Von Duprin	See note #2
11	70	55	96	96	Rim Exit Device	(F)25-R	299F/499F	Falcon	for pairs use (KR)9954 mullion by Von Duprin

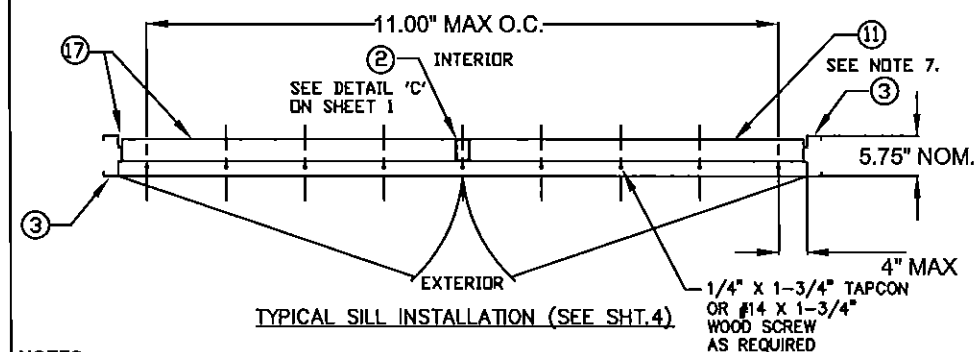
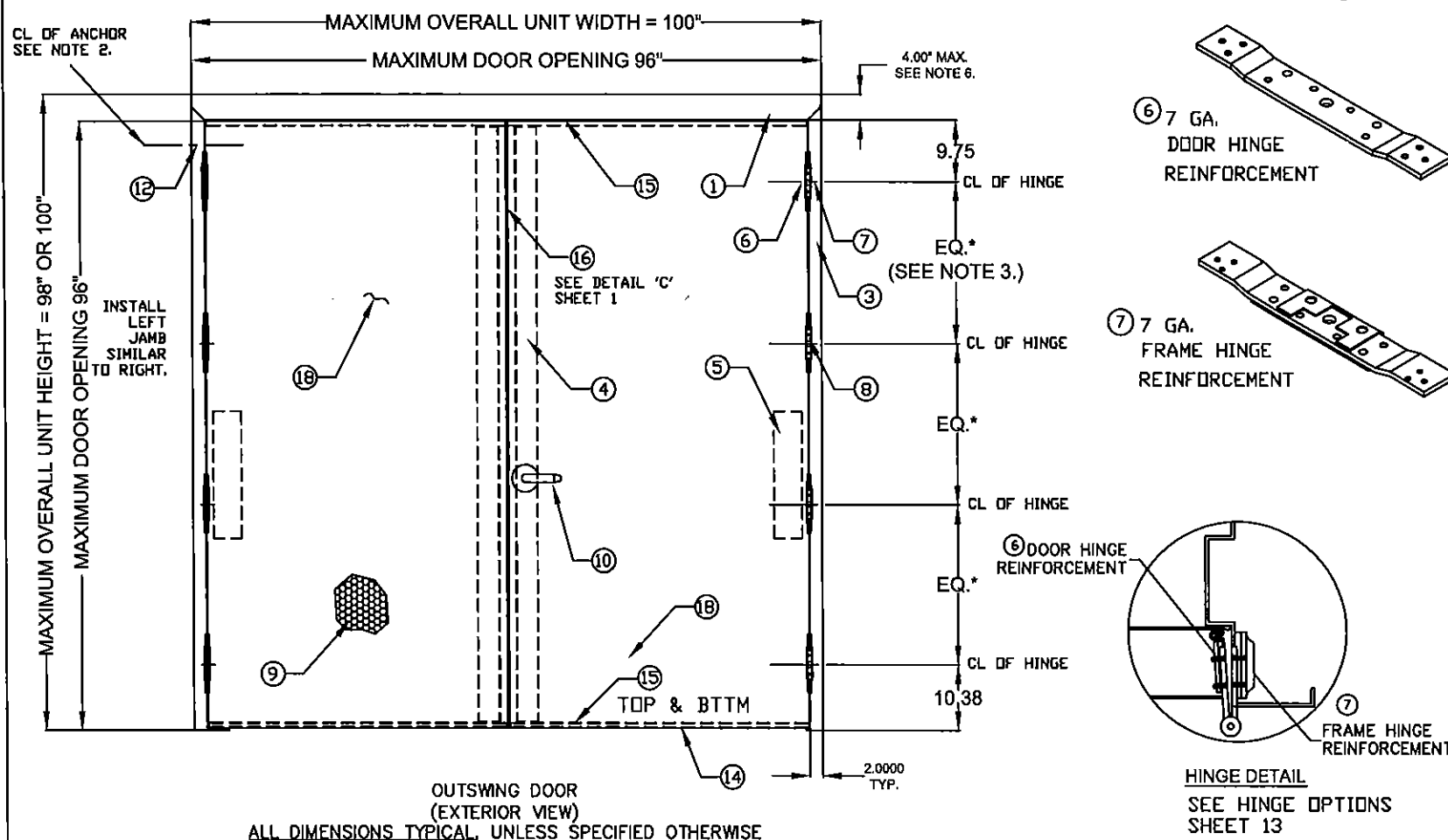
R E V I S I O N S				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07	
C	REVISED DWG	RAP	12/03/07	
D	REVISED DWG	YMF	01/16/08	
E	REVISED DWG	YMF	02/28/08	
F	REVISED DWG	YMF	05/30/08	
G	REVISED PER_MDBCCO	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED DWG	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	02/01/15	



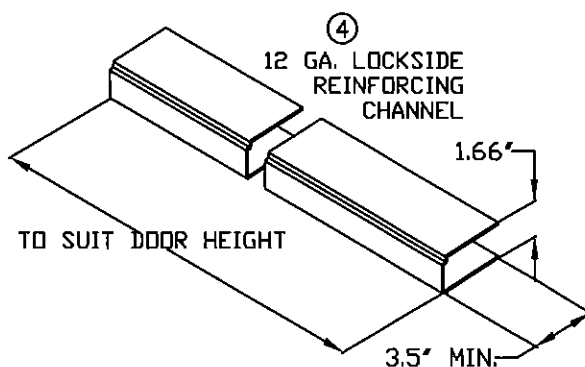
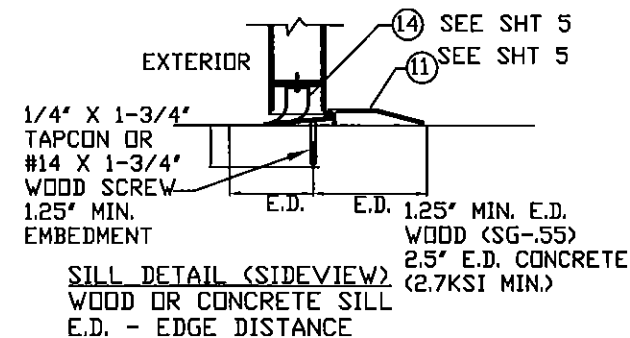
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 15-0930-05
 Expiration Date 5/5/17
 By: Isheq I. Chaudhary
 Manufacturer Product Control

- NOTES:**
- FOR DOOR CONFIGURATIONS 1, 2, 3, & 4, INACTIVE LEAF REQUIRES IVES SB360 SURFACE BOLTS IN TOP AND BOTTOM
 - DOOR CONFIGURATION 10 IS USING FIXED HOLLOW METAL MULLION BETWEEN TWO DOORS
 - SEE SHEETS 7 THROUGH 12 FOR LOCKING HARDWARE AND HARDWARE MULLION DETAILS
 - DOOR CONFIGURATION 5 IS RATED FOR MAXIMUM DESIGN PRESSURE ±90 PSF WHEN WATER INFILTRATION REQUIREMENT IS NOT NEEDED, WHEN WATER INFILTRATION REQUIREMENT IS NEEDED, IT IS RATED UP TO +75 PSF WHEN USED WITH SEALS BY ZERO INTERNATIONAL AND NATIONAL GUARD PRODUCTS (NGP) (SEE TABLE 3 ON SHT.5)
 - SCHLAGE AL-SERIES CYLINDRICAL LOCK (door configuration 2) IS LIMITED TO ±55 PSF MAXIMUM DESIGN PRESSURE

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 DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES				
DRAWN YMF		DATE 05/20/07		MIAMI-DADE COUNTY PRODUCT APPROVAL		
CHECKED		FLUSH OUTSWING DOORS AND HARDWARE CONFIGURATIONS				
		COMMERCIAL DOOR OPENING DOUBLE FLUSH DOORS.				
APPROVED		SIZE	FLAT	DWG NO. IRFD07		REV M
ENG. APPVL JPD		10/12/07		SCALE: NTS AUTOCAD		
					SHEET 2 OF 14	



- NOTES:
1. WEATHERSTRIPPING AND SILL - INSTALL PER SHT.5.
 2. ANCHOR REQUIREMENTS: SEE SHEETS 4 & 14 FOR APPROVED ANCHOR INSTALLATION REQUIREMENTS.
 3. HINGE REQUIREMENTS:
FOR DOOR OPENING UP TO 90\" HIGH - MIN. (3) BUTT HINGES
FOR DOOR OPENING OVER 90\" - 96\" HIGH - MIN. (4) BUTT HINGES
LOCATIONS: 9.75\" FROM RABBIT IN HEAD TO CL OF TOP HINGE
10.38\" FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED IN BETWEEN.
HINGE LOCATIONS MAY VARY, MAX SPACING NOT TO EXCEED 35.5\"
FOR APPROVED CONTINUOUS HINGE MODELS SEE SHEET 13.
 4. SEE SHEET 6 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
 5. HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
 6. 4\" FACE HEAD IS AVAILABLE FOR FRAMES.
 7. APPLY CAULK AS NEEDED.
 8. SEE SHEET 10 FOR SECTION A-A, SEE SHEET 11 FOR SECTIONS B-B AND C-C.
 9. EXIT HARDWARE OPTIONS:
FOR 98/99 & XP98/99 SERIES - FUNCTIONS E, RX, LX, SS, EL, CX, F
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 88-F SERIES - FUNCTION E
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
PN MODEL OFFERED.
FOR 2670 GUARD-X
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 25-R, 25-C & 25-V SERIES - FUNCTIONS DM,LM, KOR, ED, EL, EA, FSA, FSE, HWEA
TRIM: ALL APPLICABLE TRIMS AVAILABLE
 10. PN MODEL OFFERED.
 11. ELECTRICAL INSTALLATION AND FIR RATINGS ARE UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
 12. OPTIONAL POWER TRANSFERS, MONITORING SWITCHES, SUPPLEMENTARY MAGNETIC LOCKS MAY BE USED AS ALLOWED
BY CODE AND IT DOES NOT EFFECT THE MECHANICAL PROPERTIES OF EXIT DEVICE AND/OR INHIBIT EGRESS, TO BE REVIEWED BY BUILDING OFFICIAL.
 13. ITEMS 19 THROUGH 24 REQUIRED ONLY IF WATER INFILTRATION IS NEEDED.
 14. QUANTITY WILL INCREASE WHEN USED WITH HOLLOW METAL MULLION. SEE SHEET. 6 FOR DETAILS.



PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 15-0936-01
Expiration Date: 5/5/17

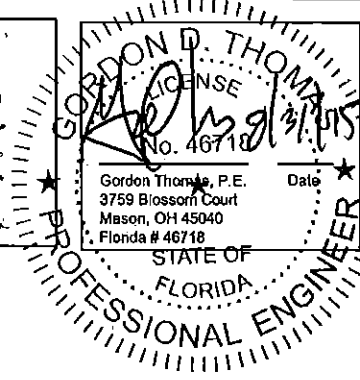
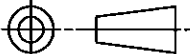
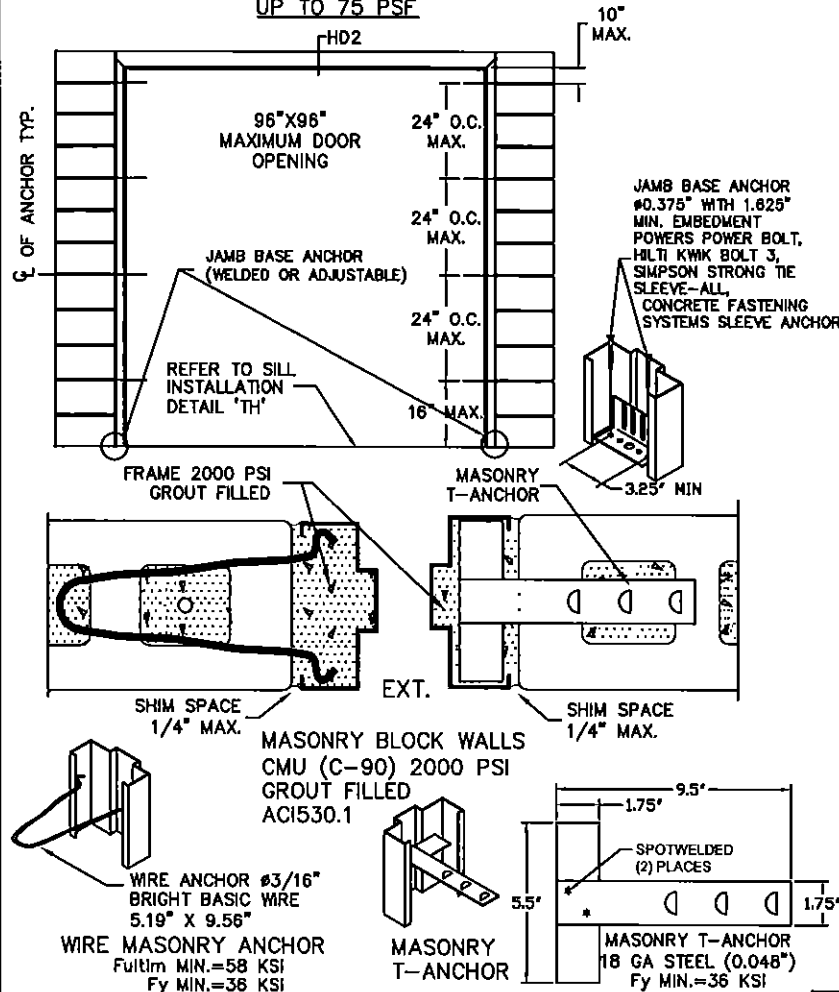


TABLE 2

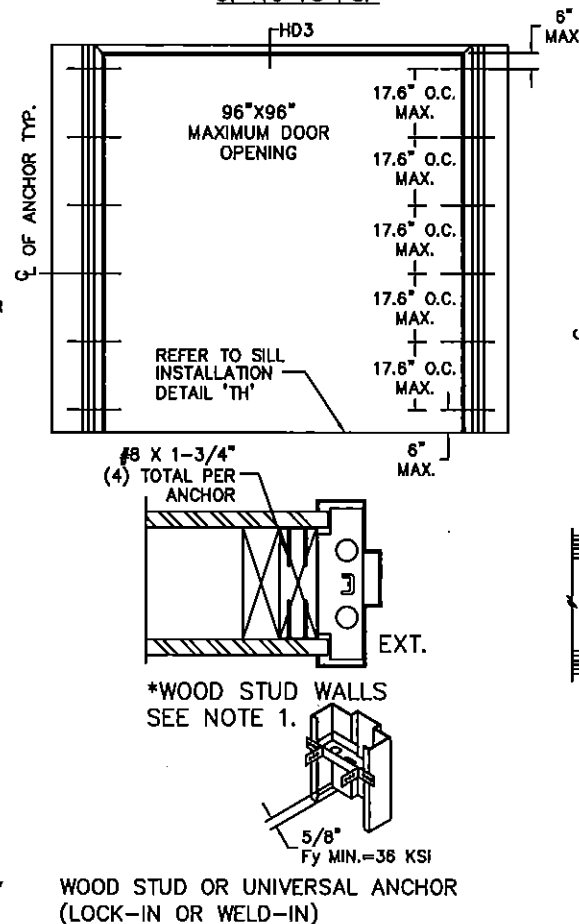
	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD SEE SHT 6 ASTM A366	.053\" MIN. STL	MAX. 100"
2	1	VON DUPRIN (KR) 9954 HDWE MULLION USED W/RIM HDWE	.123\" A500 STL	MAX. 96\" HEIGHT.
3	2	HINGE JAMB SEE SHT 6 ASTM A366	.053\" MIN. STL	MAX. 100\" HEIGHT.
4	2	LOCK SIDE REINFORCEMENT CHANNEL	.093\" MIN. STL	3.5 X 93.44 MAX
5	2	HINGE SIDE PANIC REINFORCEMENT	.067\" MIN. STL	MAX. 20"
6	NOTE 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 (SEE SHT.13)	.134 MIN.	(8) #12-24 MS PER HINGE
9	2	CORE MATERIAL (SHT12): D) HONEYCOMB C) STEEL STIFFENED A/F) POLYSTYRENE B/F) POLYURETHANE/POLYISOCYANURATE E) MINERAL BOARD TEMPERATURE RISE CORE	.750\" MIN. STL/.12 ALUM	MAX. 95"
10	2	LOCKING HARDWARE - SEE SHEETS 2, 7, 8 & 9		
11	1	THRESHOLD SILL W/BUMPER GASKET (SEE TAB. 3&4 ON SHT.5)		
		1) ZERO 566A	.125\" ALUM. 6063 T5	5.50\"X0.5\"X96\"MAX.
		2) NAT'L GUARD 950A	.078\" ALUM. 6063 T5	
12	NOTE 2.	JAMB ANCHOR ASTM A924	SEE SHEET 6	
13	NOTE 14.	PSQ74 WEATHER STRIPPING	TPE	MAX. 24'
14	2	FAS-SEAL DOOR SWEEP	TPE	MAX. 47.66'
15	4	END CHANNEL ASTM A924 (14 GA - INVERTED)		.69\" X 1.66\" X 47.66\" MAX.
16	1	SPLIT ASTRAGAL SET OR Z-ASTRAGAL (NOT REQ'D WITH HOLLOW METAL MULLION)	SEE SHEET 5	
17	AS NEEDED	BUTYL RUBBER OR 100% SILICONE		
18	2	DOOR SLAB (16 OR 14 GA)	SEE SHEET 6	4' X 8' MAX.
19	1	BY ZERO INT'L DOOR SEAL No.8144S/FS	SEE NOTE 13.	
		BY NGP DOOR SEAL No.5020		
20	2	BY ZERO INT'L DOOR SWEEP No.539		TPE MAX. 24'
	NOTE 14.	BY NGP DOOR SWEEP No.202N		
21	2	BY ZERO INT'L DOOR SWEEP No.139		TPE MAX. 96'
		BY NGP OMIT		
22	2	BY ZERO INT'L ADJUSTABLE STOP No.475		SEE SHEET 5 MAX. 48'
		BY NGP ADJUSTABLE STOP No.170N		
23	2	BY ZERO INT'L RAIN DRIP No.11	SEE SHEET 5	TPE MAX. 48'
		BY NGP DRIP CAP No.16A		
24	2	TOP CAP GALV. A60 ASTM A924	.020\" MIN. STL	0.5' X 1.76\" X 48\" MAX.
25	2	IVES 360 12\" SURFACE BOLT		
26	1	ASA STRIKE		
27	1	Z-ASTRAGAL	.067\" MIN. STL	MAX. 95.5
28	1	HOLLOW METAL MULLION (SINGLE OR DOUBLE RABBIT)	SEE SHEET 6	MAX. 96"
29	1	IVES 698/U698 DOOR VIEWER	BRASS	

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 DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES						
DRAWN YMF	DATE 05/20/07	MIAMI-DADE COUNTY PRODUCT APPROVAL H SERIES FLUSH DOUBLE DOORS OUTSWING CONFIGURATIONS						
CHECKED								
APPROVED		SIZE	FLAT	DWG NO.			IRFD07	REV M
ENG. APPVL JPD	10/12/07	SCALE:	NTS	AUTOCAD			SHEET 3 OF 14	

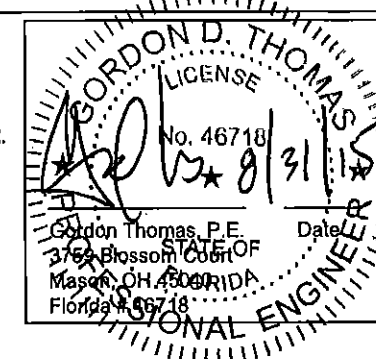
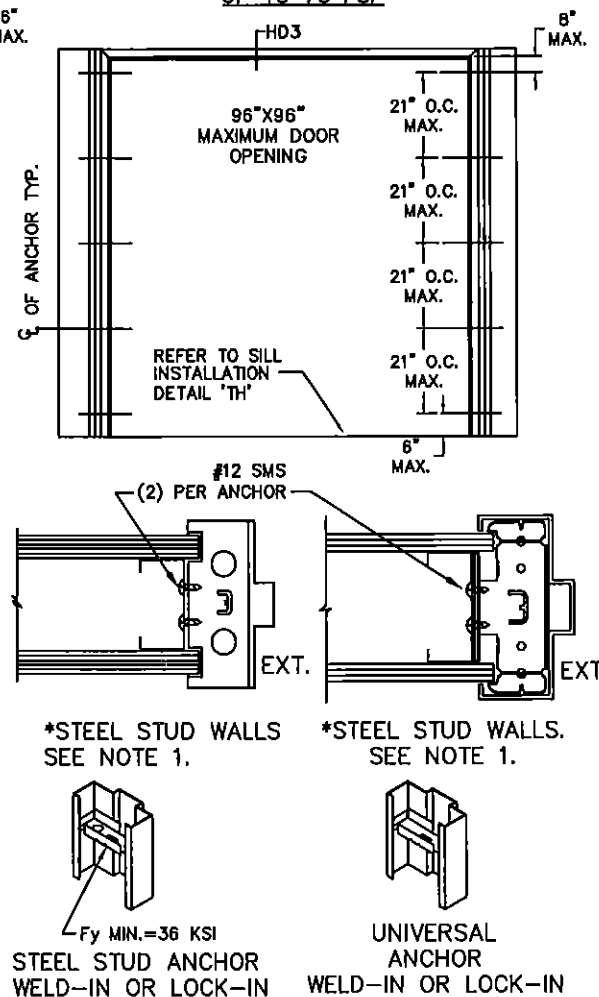
A WIRE OR T MASONRY ANCHOR INTO GROUT FILLED FRAME AND BLOCK WALL UP TO 75 PSF



B WOOD STUD ANCHOR UP TO 75 PSF

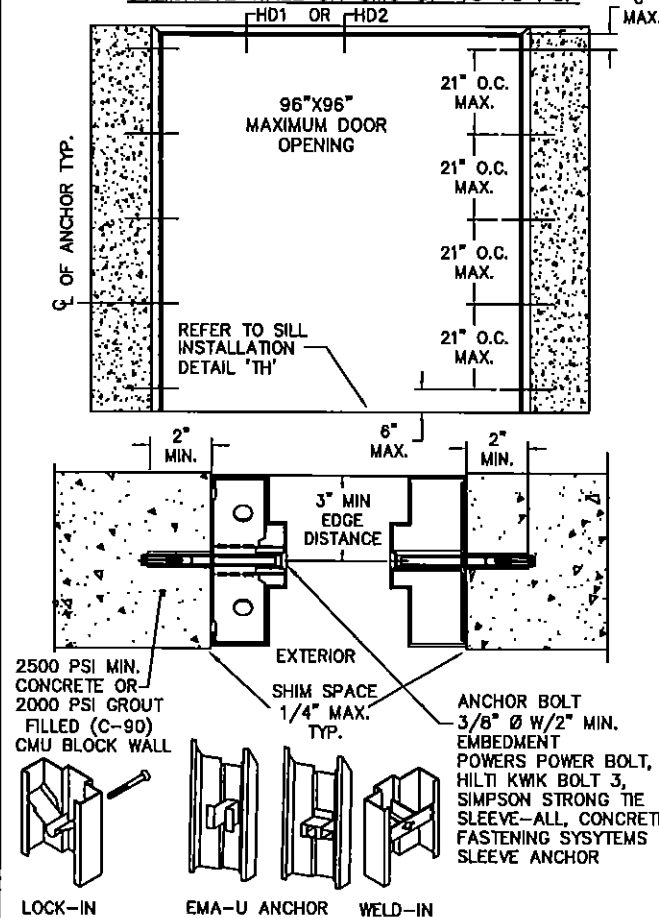


C STEEL STUD ANCHOR UP TO 75 PSF

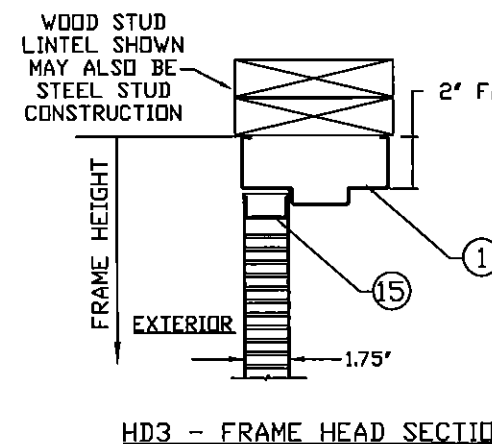
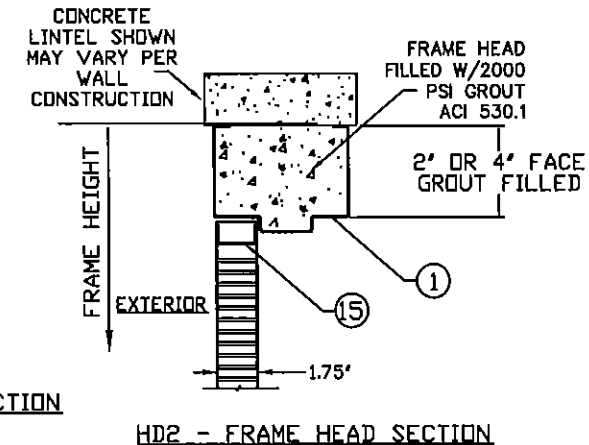
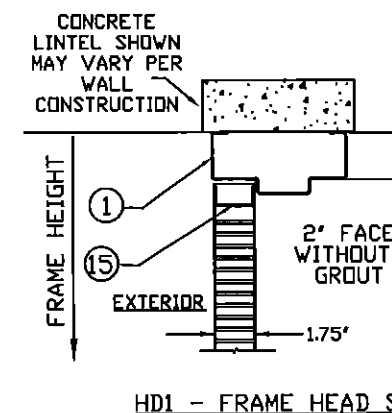
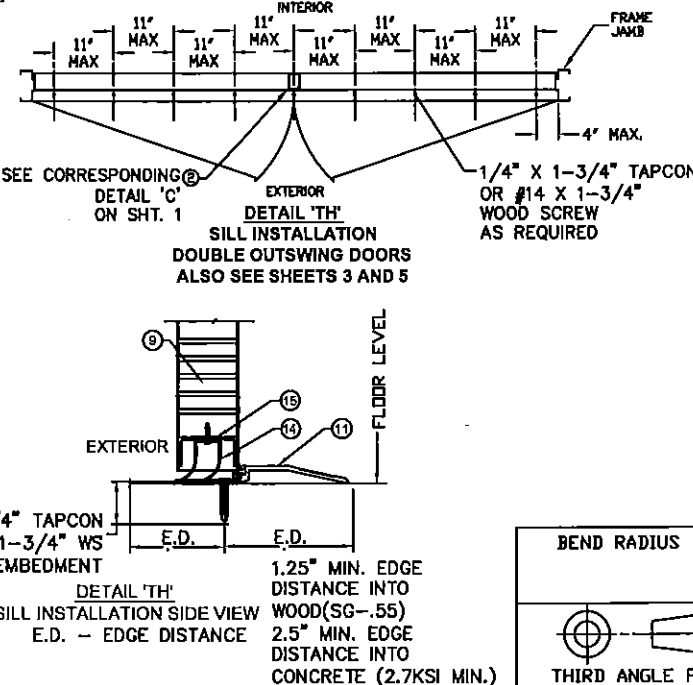
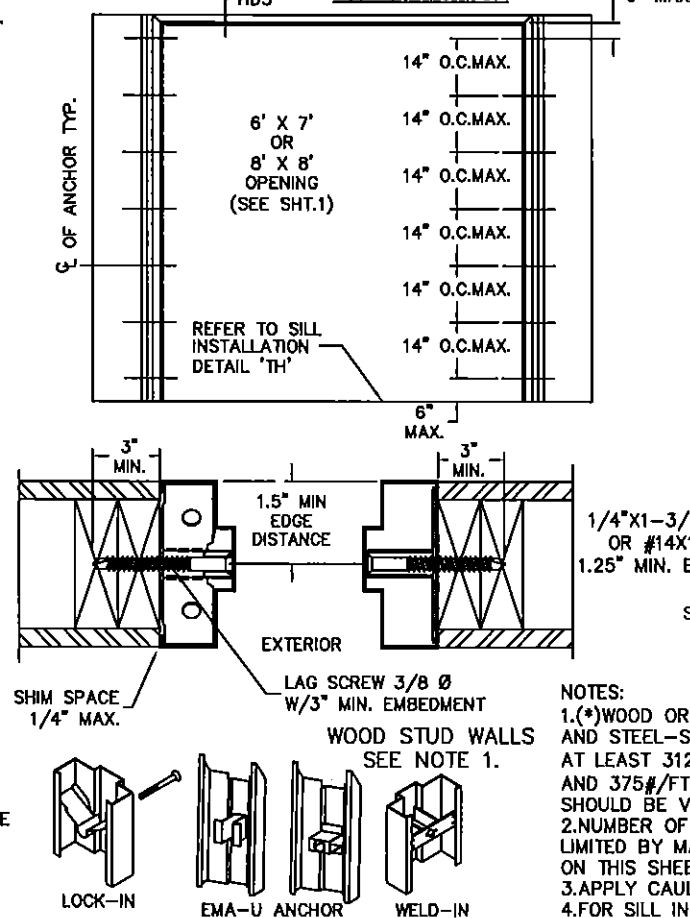


REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
C	REVISED DWG	RAP	12/03/07	
D	REVISED DWG	YMF	01/17/08	
F	REVISED DWG	YMF	05/30/08	
G	REVISED PER MDBCCO	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED DWG	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	

D EXISTING MASONRY ANCHOR (EMA) INTO CONCRETE WALL OR CMU UP TO 75 PSF



E EXISTING MASONRY ANCHOR (EMA) WITH LAG BOLT INTO WOOD STUD WALL UP TO 75 PSF



PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 15-0930.05
Expiration Date 5/5/17
By: [Signature]
Product Control

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. APPLY CAULK AS NEEDED.
4. FOR SILL INSTALLATION & ANCHORING SEE SHTS. 3, 4, 5 & 14

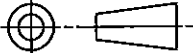
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250				MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242				
										
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES								
DRAWN YMF	DATE 05/20/07	ANCHOR DETAILS / INSTALLATION CONDITIONS FOR ASSEMBLIES WITH A DESIGN PRESSURE RATING OF 75 PSF OR LESS								
CHECKED										
APPROVED		SIZE	FLAT	DWG NO.				IRFD07		REV M
ENG. APPVL JPD	10/12/07	SCALE	NTS	AUTOCAD				SHEET 4 OF 14		

TABLE 3.

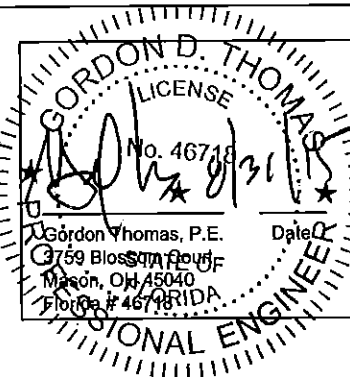
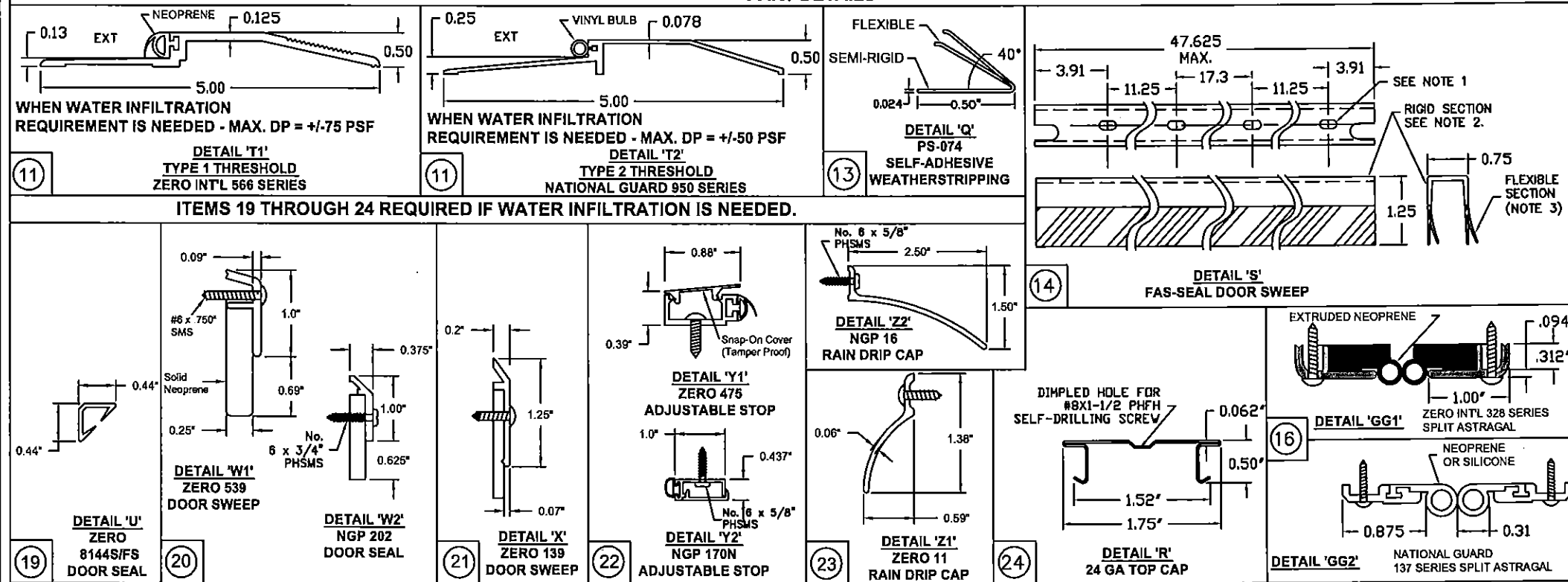
PERIMETER SEAL HARDWARE WHEN WATER INFILTRATION REQUIREMENT DOES APPLY					
ITEM NUMBER SHT. 3 TABLE 2	DESCRIPTION	MAX. ALLOWABLE DESIGN PRESSURE RATING SEE SHEETS 1 & 2	MODEL No./ MANUFACTURER	PART DETAIL	INSTALLATION DETAIL
11	THRESHOLD	+75	566/ZERO INT'L	'T1'	'P1'
			950/NGP	'T2'	'P2'
14	FAS-SEAL SWEEP	+75	STEELCRAFT	'S'	'P1' & 'P2'
16	SPLIT ASTRAGAL	+75	328/ZERO INT'L	'GG1'	'N3'
			137/NGP	'GG2'	
19 OR 13	SELF ADHESIVE DOOR SEAL	+75	8144S/FS/ZERO INT'L	'U'	'M' & 'N'
			PS074/STEELCRAFT	'Q'	
20	DOOR SWEEP	+75	539/ZERO INT'L	'W1'	'N'
			202N/NGP	'W2'	
21	DOOR SWEEP	+75	139/ZERO INT'L	'X'	'P1'
22	ADJUSTABLE STOP	+75	475/ZERO INT'L	'Y1'	'M'
			170N/NGP	'Y2'	
23	RAIN DRIP CAP	+75	11/ZERO INT'L	'Z1'	'P1'
			16A/NGP	'Z2'	'P2'
24	DOOR TOP CAP	+75	STEELCRAFT	'R'	'M'

TABLE 4.

PERIMETER SEAL HARDWARE WHEN WATER INFILTRATION REQUIREMENT DOES NOT APPLY					
ITEM NUMBER SHT. 3 TABLE 2	DESCRIPTION	MODEL No. MANUFACTURER	PART DETAIL	INSTALLATION DETAIL	
11	THRESHOLD	566 BY ZERO INT'L	'T1'	'K'	
		950 BY NATIONAL GUARD	'T2'		
14	FAS-SEAL DOOR SWEEP	STEELCRAFT	'S'	'K'	
16	SPLIT ASTRAGAL	328 BY ZERO	'GG1'		
		137 BY NGP	'GG2'	'N3'	
13	PS-074 SELF ADHESIVE WEATHERSTRIPPING	STEELCRAFT	'Q'		
24	DOOR TOP CAP	STEELCRAFT	'R'	OPTIONAL	

*SEE SHEETS 1 & 2 FOR DESIGN PRESSURE RATINGS.

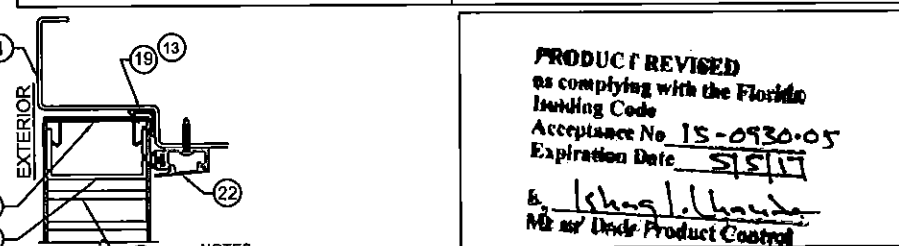
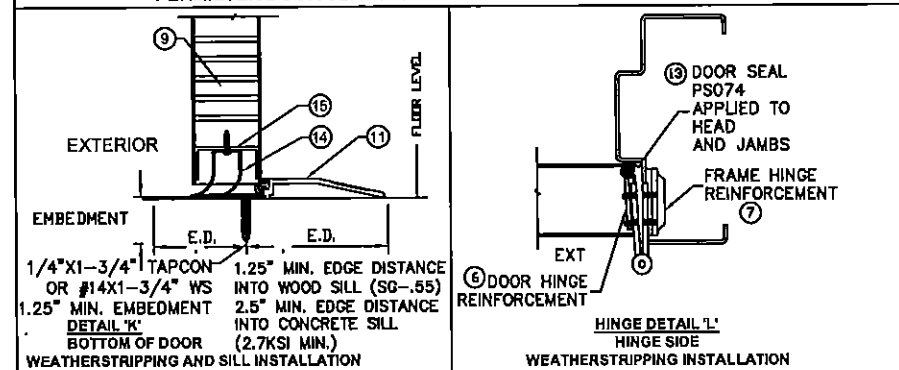
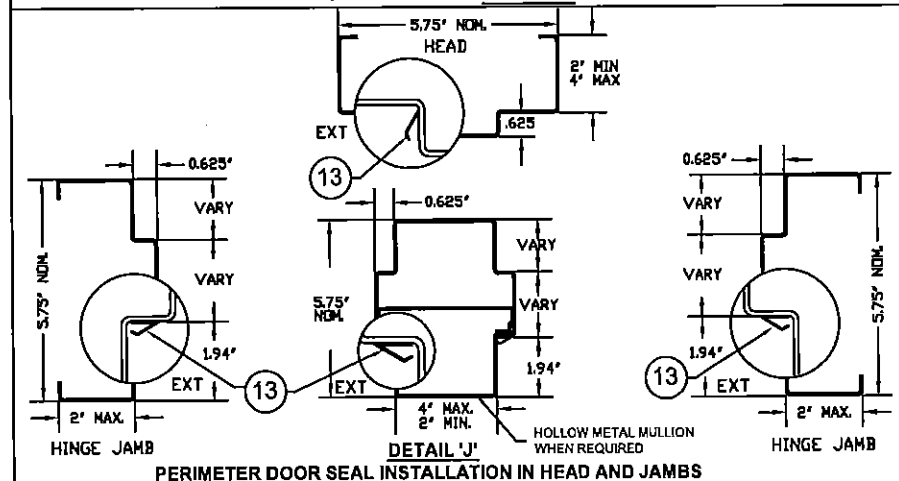
PART DETAILS



REVISIONS

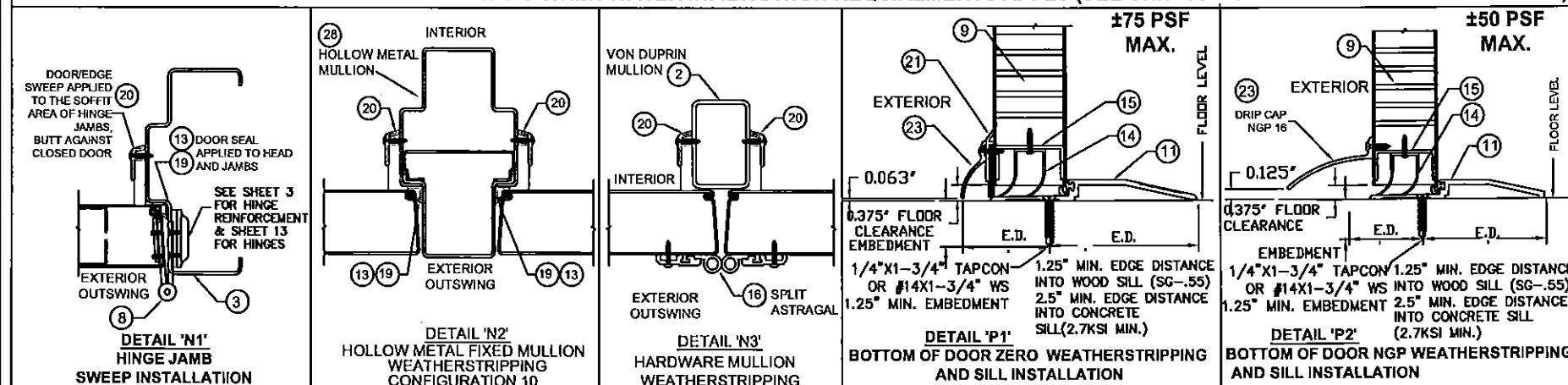
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07
E	REVISED DWG	YMF	04/09/08
F	REVISED DWG	YMF	06/02/08
G	REVISED PER_MDBCCO	YMF	02/06/09
H	REVISED DWG	YMF	03/18/09
J	REVISED PER_MDBCCO	YMF	04/06/10
K	REVISED NAME	JPD	11/01/13
L	REVISED DWG	JPD	02/01/15
M	REVISED DWG	JPD	05/05/15

PERIMETER SEAL INSTALLATION DETAILS WHEN WATER INFILTRATION REQUIREMENTS DO NOT APPLY

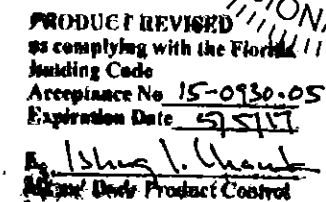
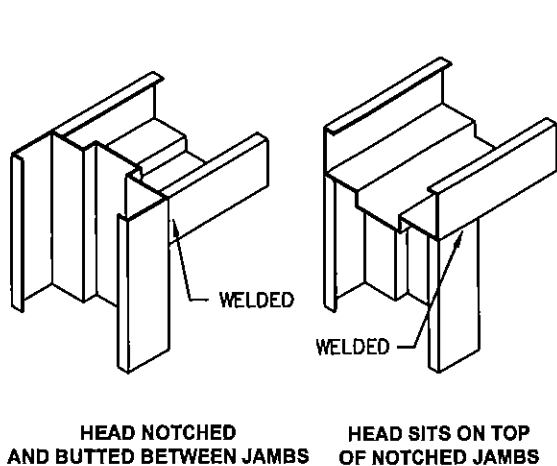


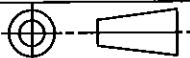
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0930-05
Expiration Date 5/31/17
Schlage Lock Company
Manufacturing Facility

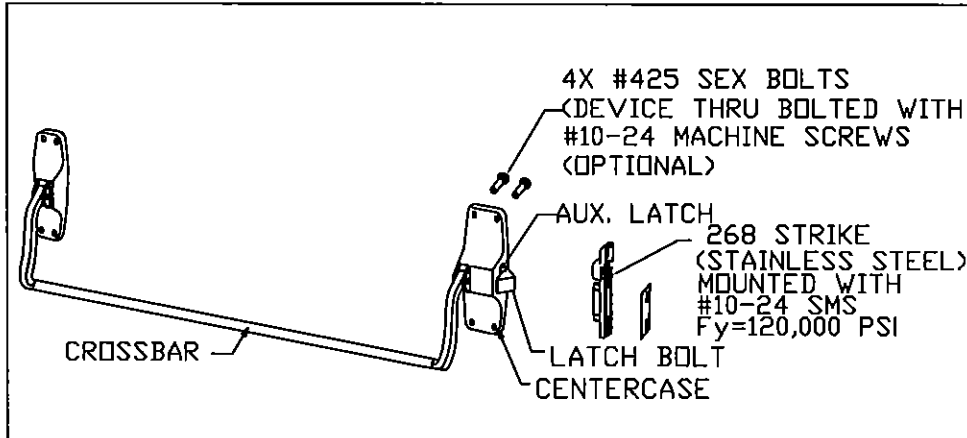
PERIMETER SEAL INSTALLATION DETAILS WHEN WATER INFILTRATION REQUIREMENTS APPLY (SEE SHEETS 1 & 2 FOR MAX DESIGN PRESSURE)



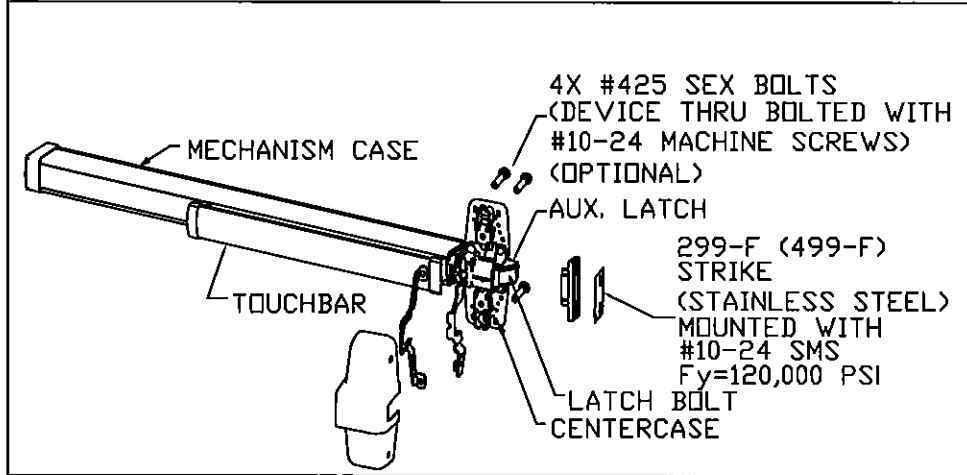
DETAIL 'M'		TOP OF DOOR/HEAD WEATHERSTRIPPING WHEN WATER INFILTRATION REQUIREMENTS APPLY	
BEND RADIUS		THIRD ANGLE PROJECTION	
DRAWN	YMF	DATE	05/20/07
CHECKED			
APPROVED			
ENG. APPVL	JPD	DATE	10/11/07
SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES		DOUBLE FLUSH DOOR PERIMETER SEAL HARDWARE.	
SIZE	FLAT	DWG NO.	IRF D07
SCALE	NTS	AUTOCAD	SHEET 5 of 14



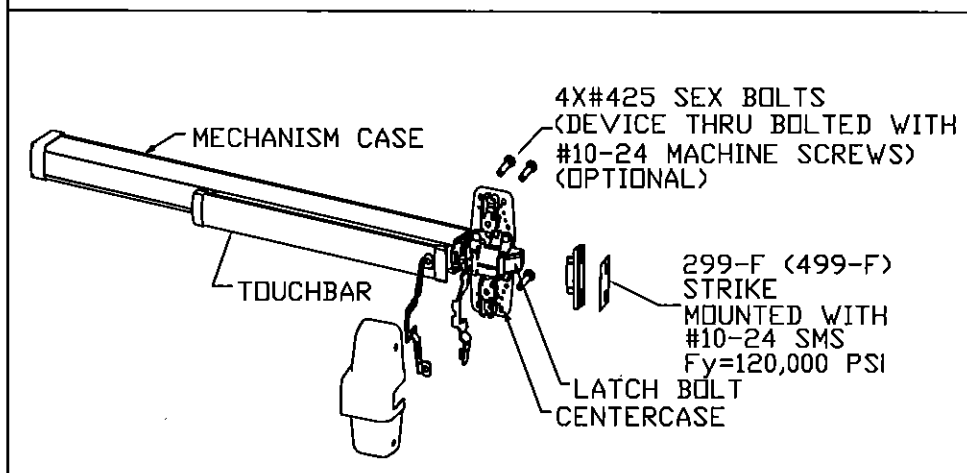
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN YMF		DATE 05/20/07		FRAME PROFILE, CORNER DETAILS AND DOOR FRAME MATERIAL, AND SIZE OPTIONS	
CHECKED					
APPROVED		SIZE		DWG NO.	
		FLAT		IRFD07	
ENG. APPVL JPD		SCALE:		REV	
10/12/07		NTS		M	
		AUTOCAD		SHEET 6 OF 14	



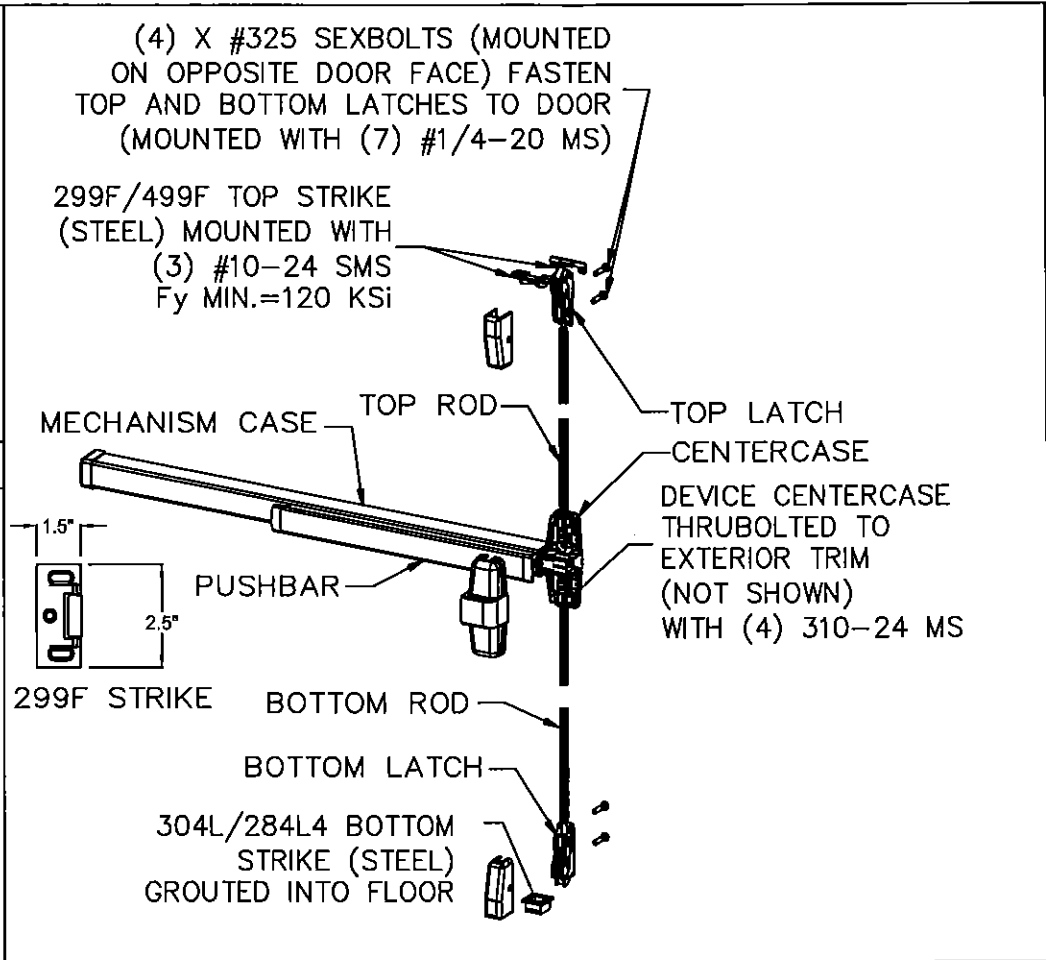
VON DUPRIN 88-F RIM DEVICE
USED IN CONFIGURATION: 6



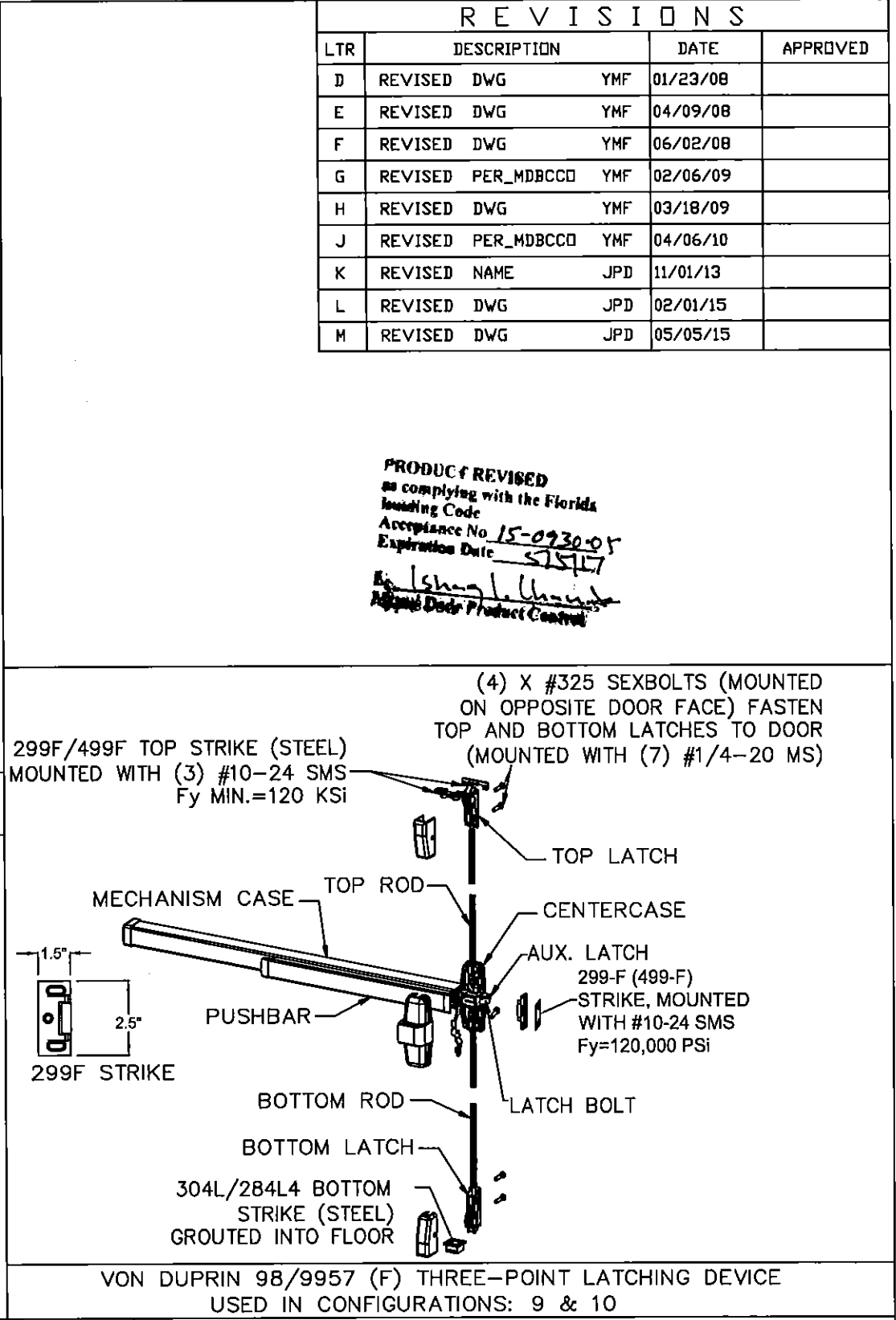
VON DUPRIN 98/99 (F) RIM DEVICE
USED IN CONFIGURATION: 6



VON DUPRIN XP98/99 (F)
USED IN CONFIGURATION: 5



VON DUPRIN 98/927 (F) SURFACE VERTICAL ROD EXIT DEVICE
USED IN CONFIGURATION: 7



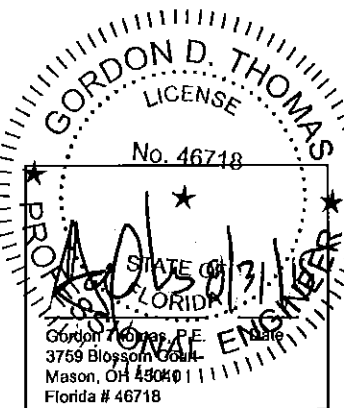
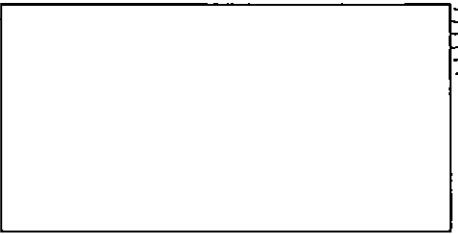
VON DUPRIN 98/957 (F) THREE-POINT LATCHING DEVICE
USED IN CONFIGURATIONS: 9 & 10

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
D	REVISED DWG YMF	01/23/08	
E	REVISED DWG YMF	04/09/08	
F	REVISED DWG YMF	06/02/08	
G	REVISED PER_MDBCCD YMF	02/06/09	
H	REVISED DWG YMF	03/18/09	
J	REVISED PER_MDBCCD YMF	04/06/10	
K	REVISED NAME JPD	11/01/13	
L	REVISED DWG JPD	02/01/15	
M	REVISED DWG JPD	05/05/15	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0930-05
Expiration Date 5/5/17
By: [Signature]
Schlage Lock Product Control

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, CX, F; TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 88-F SERIES - FUNCTION E; TRIM: ALL APPLICABLE TRIMS AVAILABLE. PN MODEL OFFERED.
FOR 33/35-F SERIES - FUNCTIONS RX, LX, EL, SS; TRIM: ALL APPLICABLE TRIMS AVAILABLE.
FOR 2670 GUARD-X; TRIM: ALL APPLICABLE TRIMS AVAILABLE.
TRIM: ALL APPLICABLE TRIMS AVAILABLE.

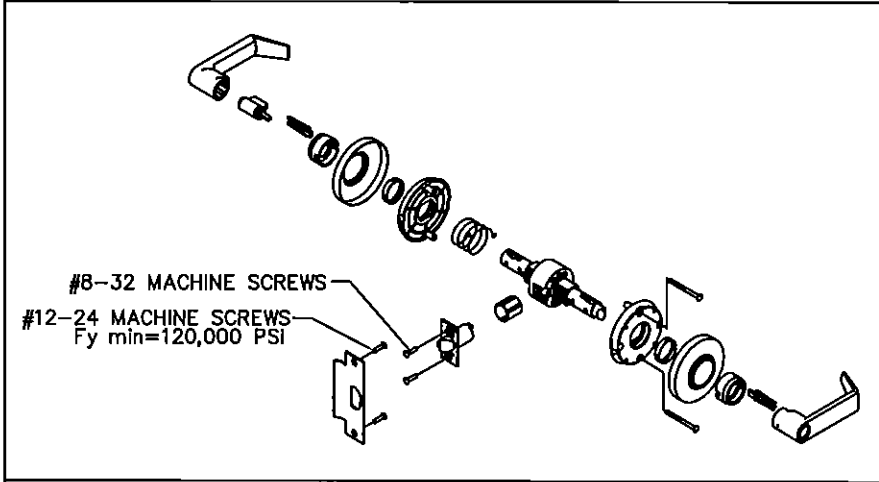


BEND RADIUS		THIRD ANGLE PROJECTION		DRAWN YMF		DATE 05/20/07		CHECKED		DATE		APPROVED		ADATE		SIZE		FLAT		DWG NO.		REV	
																				IRFD07		M	
ENG. APPVL JPD		EDATE 10/12/07		SCALE: NTS		AUTOCAD		SHEET 7 OF 14															

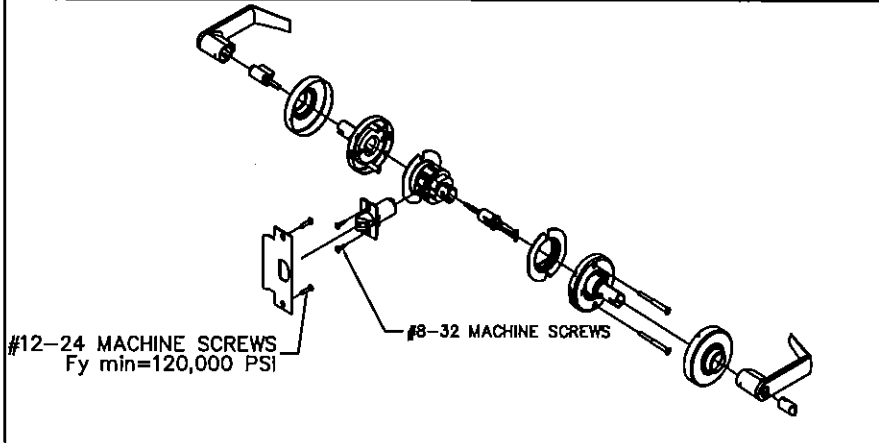
SCHLAGE LOCK COMPANY, LLC
6810 HILLSDALE COURT
INDIANAPOLIS, IN 46250

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

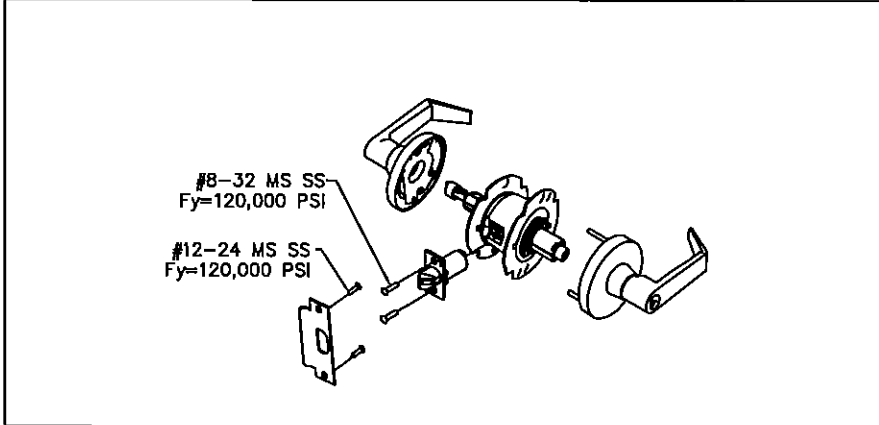
TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES.
EXIT HARDWARE FOR FLUSH DOUBLE DOORS.



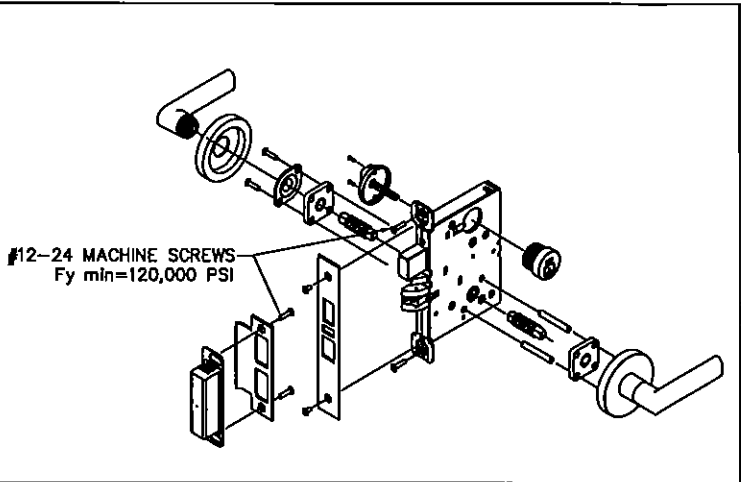
SCHLAGE AL SERIES
CYLINDRICAL LEVER LOCKSET WITH 1/2" THROW LATCH
USED IN CONFIGURATION: 2



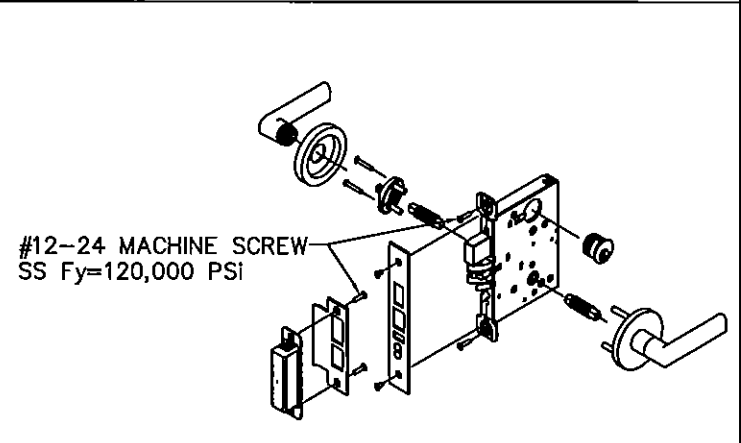
SCHLAGE D/ND-SERIES CYLINDRICAL LEVER LOCKSET.
USED IN CONFIGURATIONS: 3 & 4



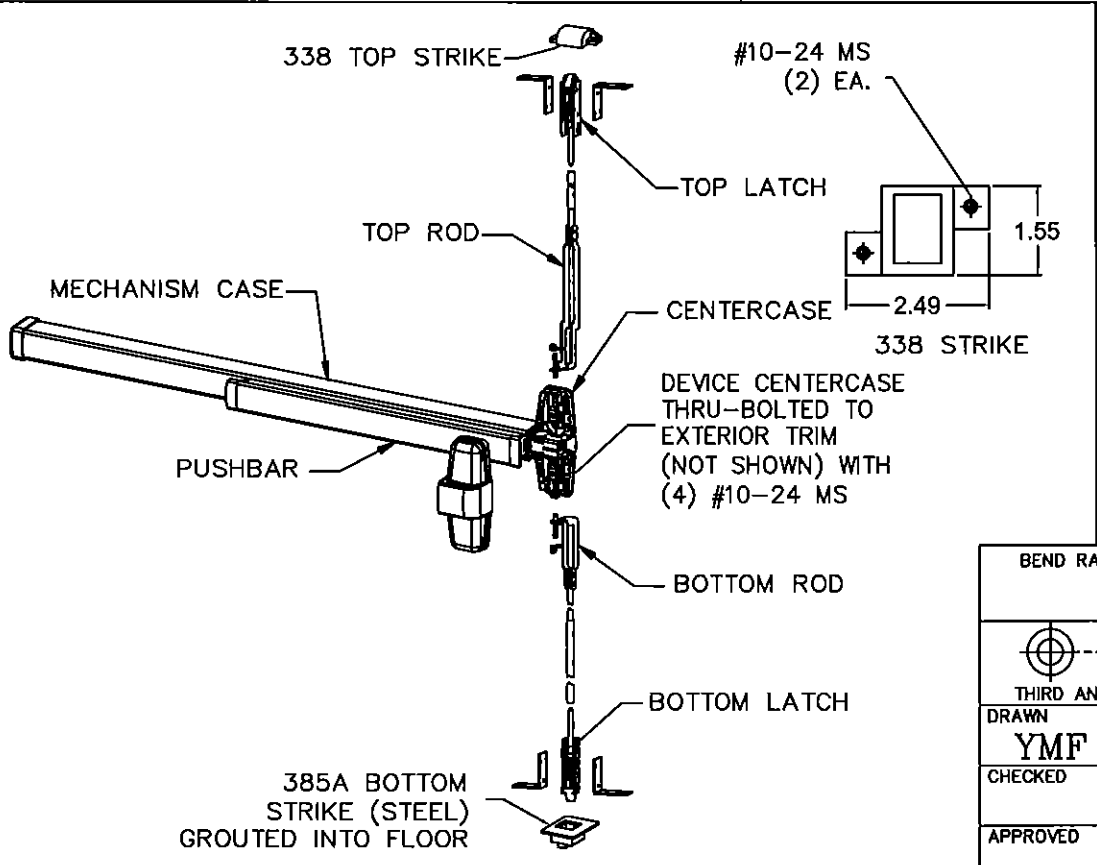
FALCON, T-SERIES CYLINDRICAL LEVER LOCKSET
USED IN CONFIGURATION: 4



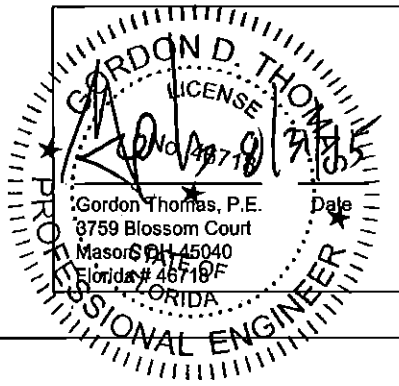
SCHLAGE L/LV 9400 SERIES MORTISE LOCKSET
W/ DEADBOLT. USED IN CONFIGURATION: 1



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



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

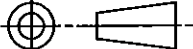


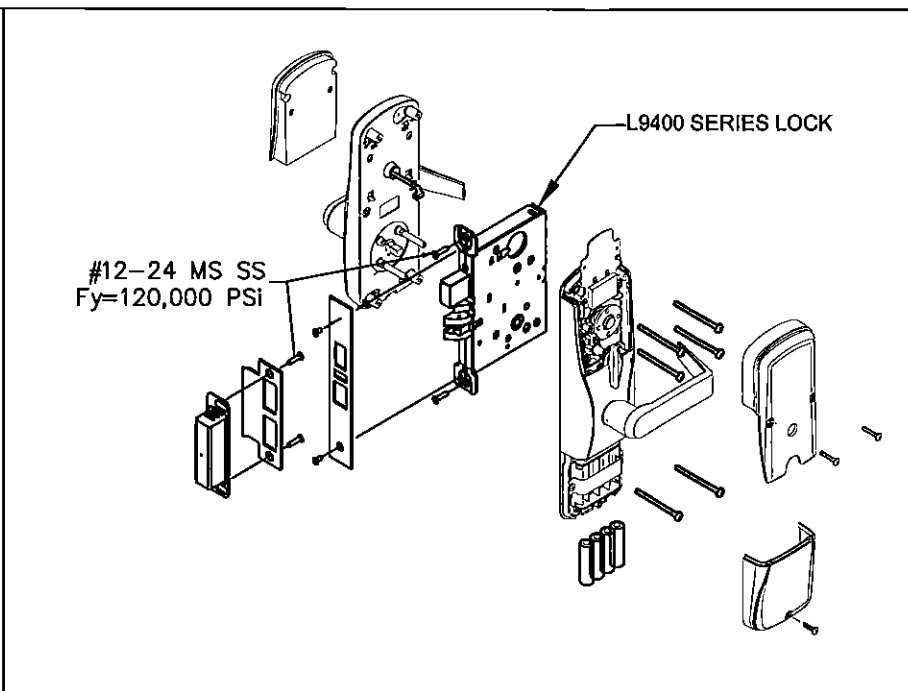
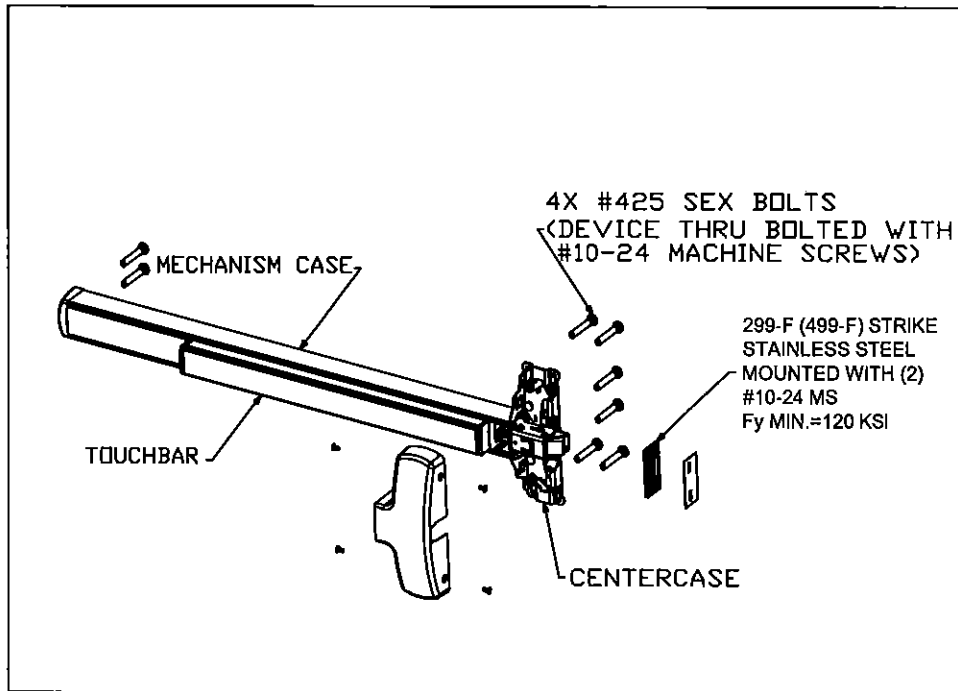
REVISIONS					
LTR	DESCRIPTION		DATE	APPROVED	
A	APPROVAL	DWG	YMF	05/20/07	
C	REVISED	DWG	RAP	12/03/07	
D	REVISED	DWG	RMP	02/03/08	
E	REVISED	DWG	YMF	04/09/08	
F	REVISED	DWG	YMF	06/02/08	
G	REVISED	BWC_MDBCCO	YMF	02/06/09	
H	REVISED	DWG	YMF	03/18/09	
J	REVISED	PER_MDBCCO	YMF	04/06/10	
K	REVISED	NAME	JPD	11/01/13	
L	REVISED	DWG	JPD	02/01/15	
M	REVISED	DWG	JPD	05/05/15	

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 15-0930.05
Expiration Date 5/5/17
By: [Signature]
Product Control

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 SERIES - FUNCTIONS E, RX, LX, SS, EL, CX, F;
TRIM: ALL APPLICABLE TRIMS AVAILABLE.
PN MODEL OFFERED.

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 DOUBLE FLUSH COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES HARDWARE FOR FLUSH DOUBLE DOORS.				
DRAWN YMF	DATE 05/20/07					
CHECKED						
APPROVED		SIZE	FLAT	DWG NO.	IRFD07	REV M
ENG. APPVL JPD	10/12/07	SCALE:	NTS	AUTOCAD		SHEET 8 OF 14



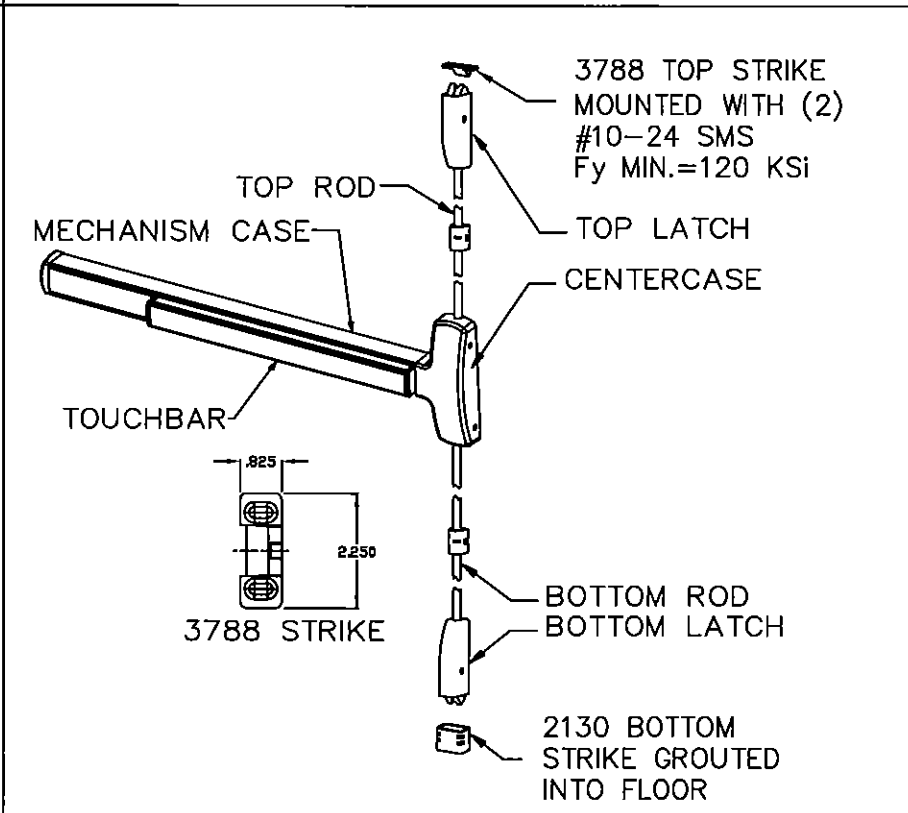
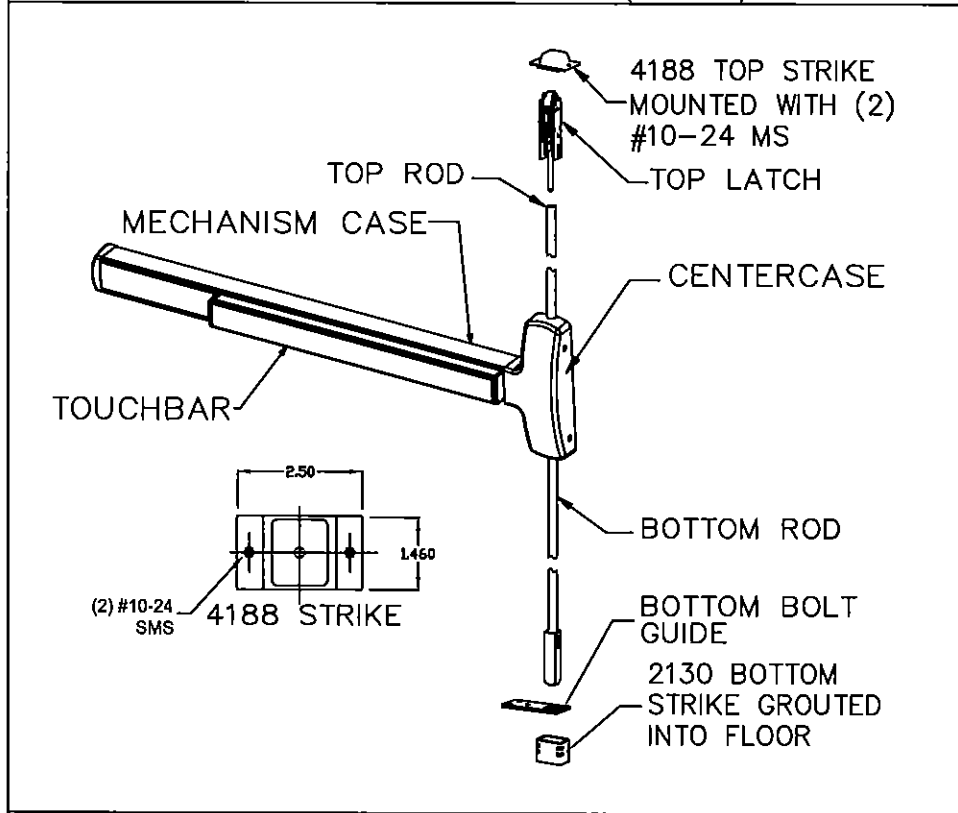
GORDON D. THOMAS, P.E.
Professional Engineer
License No. 16718
3759 Blossom Court
Mason, OH 45040
Florida #46718

Date: 08/31/15

REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
B	REVISED DWG	RAP	10/08/07	
C	REVISED DWG	RAP	12/03/07	
D	REVISED DWG	YMF	01/23/08	
E	REVISED DWG	YMF	04/09/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED PER_MDBCCO	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED PER_MDBCCO	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	

FALCON (F)25-R RIM EXIT DEVICE
USED IN DOOR CONFIGURATION 11 (SEE SHT.1)

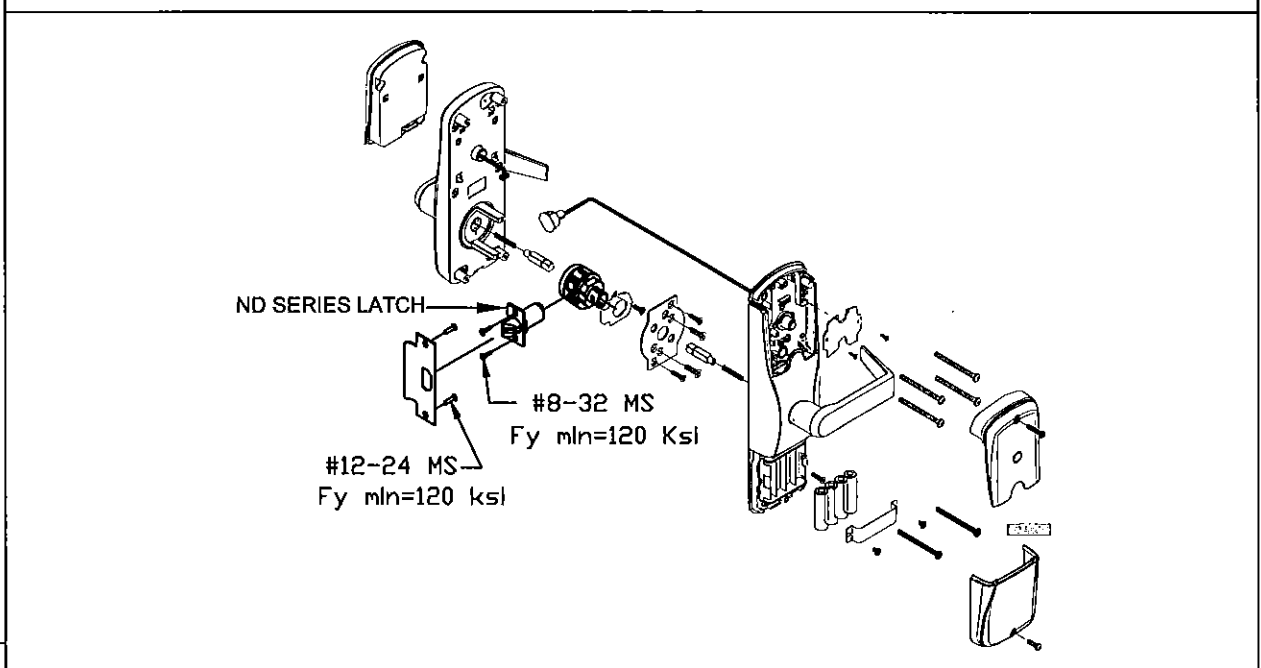
SCHLAGE CD/AD MD SERIES MORTISE LOCKSET WITH DEADBOLT
USED IN CONFIGURATIONS: 1 (SEE SHT.1)



FALCON F-25-C CONCEALED VERTICAL ROD EXIT DEVICE
USED IN DOOR CONFIGURATION 8 (SEE SHT.1)

FALCON (F)25-V SURFACE VERTICAL ROD EXIT DEVICE
USED IN DOOR CONFIGURATION 7 (SEE SHT.1)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0930-05
Expiration Date 5/31/17
Richard L. Lander
Product Control



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

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

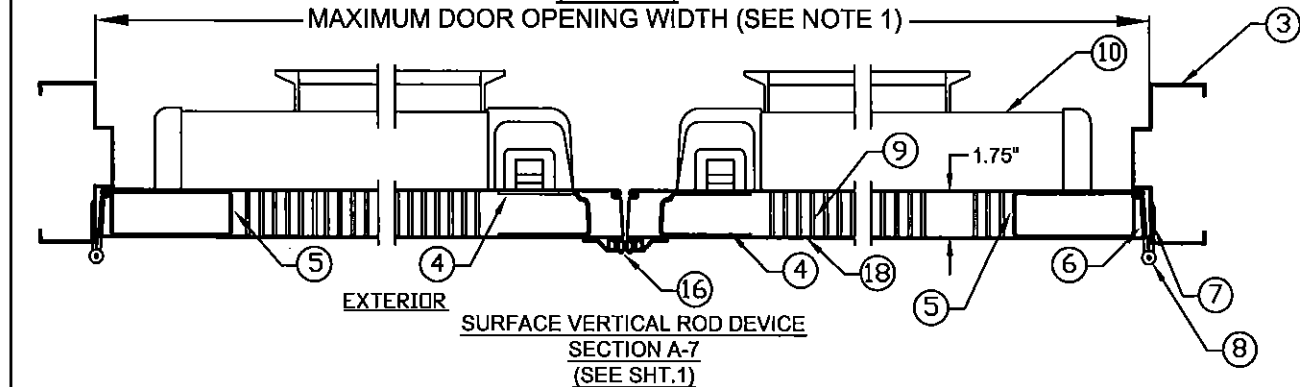
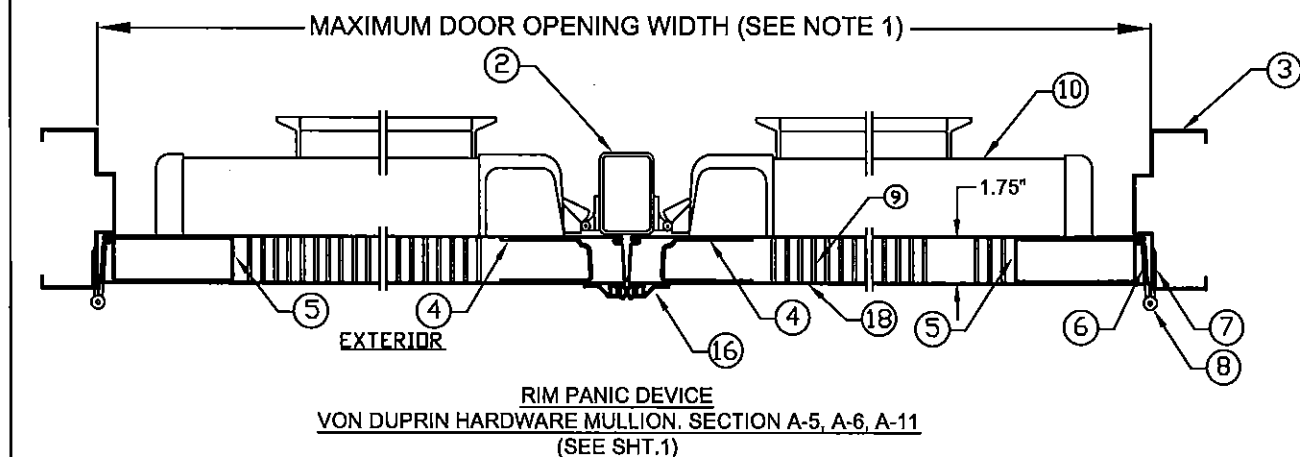
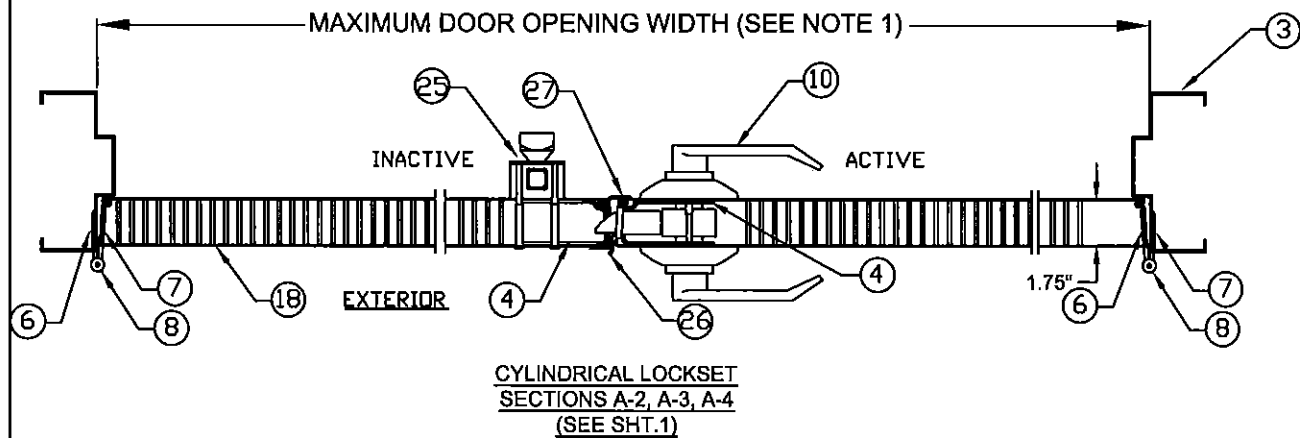
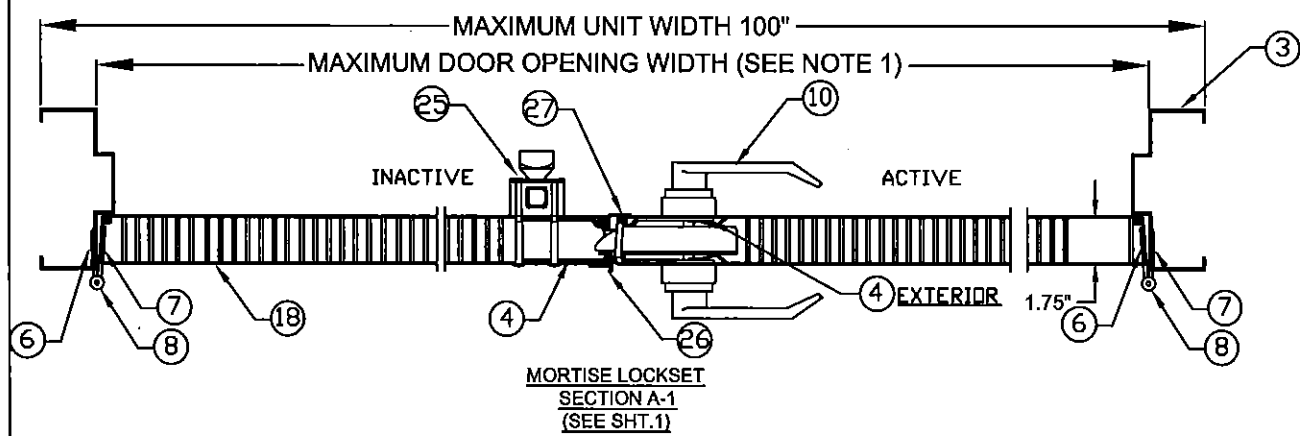
EXIT HARDWARE OPTIONS:
F-25-C & (F)25-V (F) 25-R SERIES - FUNCTIONS AE,
DM, LM, LK, KOR, ED, EL, EA, FSA, FSE, HWEA
TRIMS: ALL APPLICABLE TRIMS AVAILABLE.

BEND RADIUS		THIRD ANGLE PROJECTION		DRAWN		DATE		CHECKED		DATE		APPROVED		ADATE		ENG. APPVL		EDATE		SCALE		DWG NO.		REV	
				YMF		05/20/07																IRFD07		M	
				JPD		10/12/07														NTS		AUTOCAD		SHEET 9 OF 14	

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

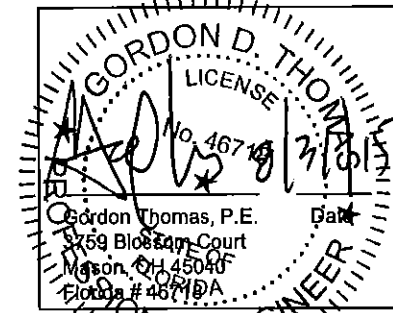
MANUFACTURING FACILITY:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

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

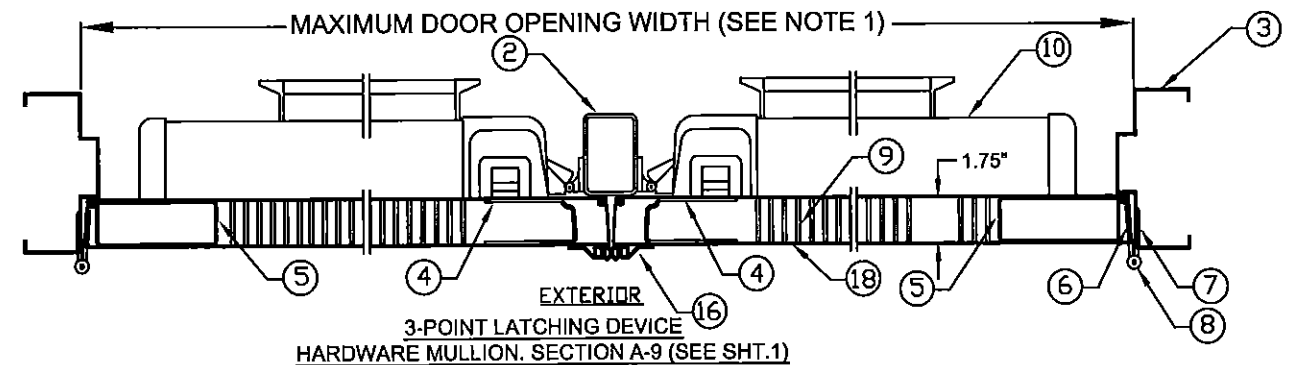
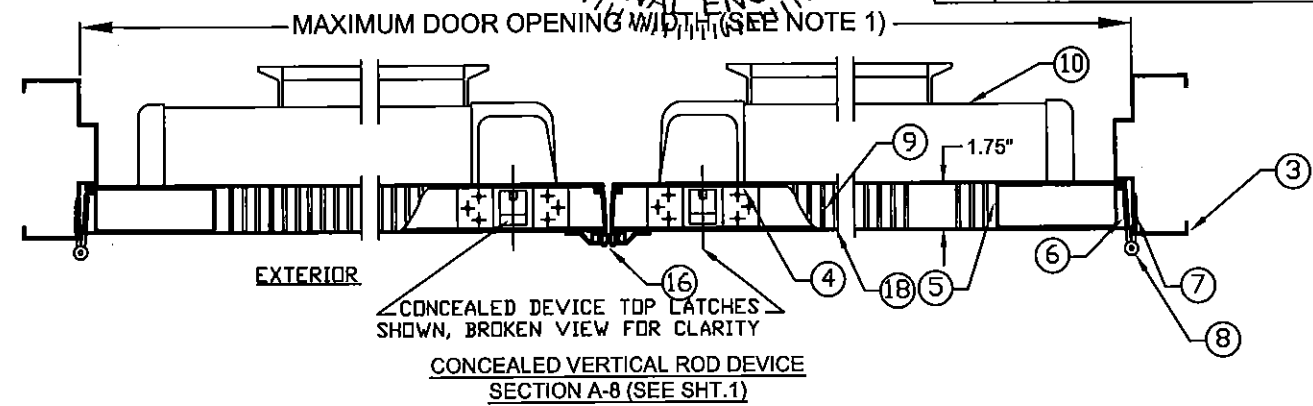


NOTES:

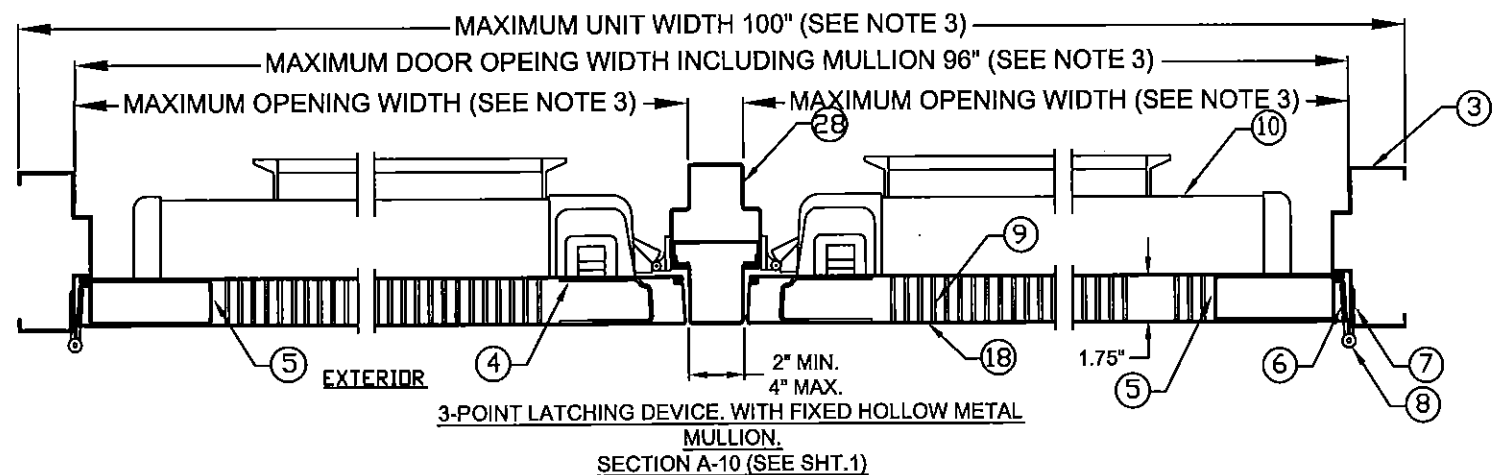
1. FOR MAXIMUM OPENING SIZE SEE TABLE 1 ON SHT 2 OF 13.
2. SEE SHEET 4 & 14 FOR ANCHOR INSTALLATION AND SHEETS 3, 4, 5 & 14 FOR SILL INSTALLATION DETAILS.
3. WHEN FIXED HOLLOW-METAL MULLION IS USED (CONFIGURATION 10 PER SHT.1) OVERALL UNIT WIDTH IS LIMITED TO 100". DOOR SIZES WILL DECREASE ACCORDINGLY.

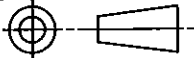


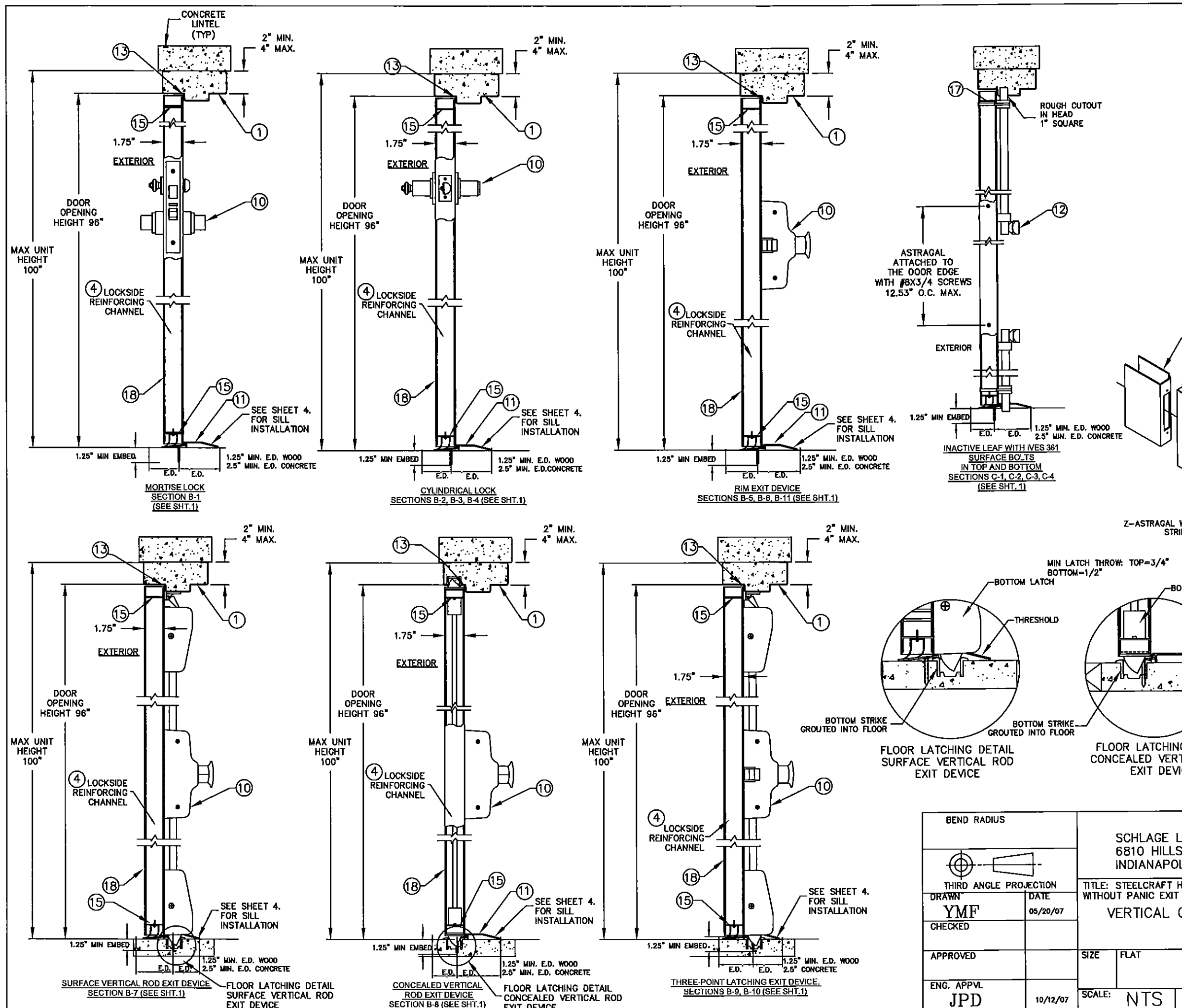
REVISIONS				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	05/20/07	
G	REVISED PER_MDBCCO	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED PER_MDBCCO	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	



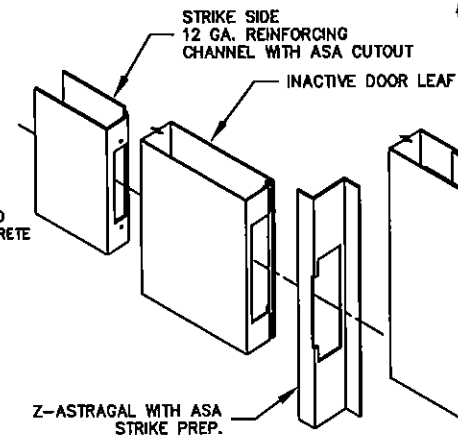
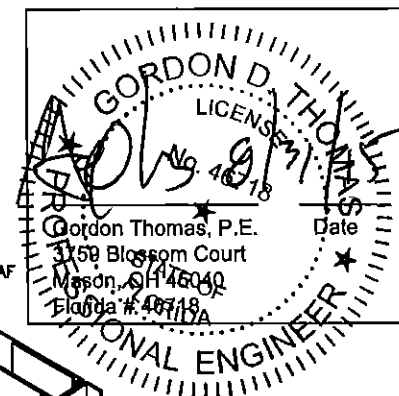
PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 15-0930-05
Expiration Date 5/31/17
Gordon D. Thomas
Manufacturing Product Control



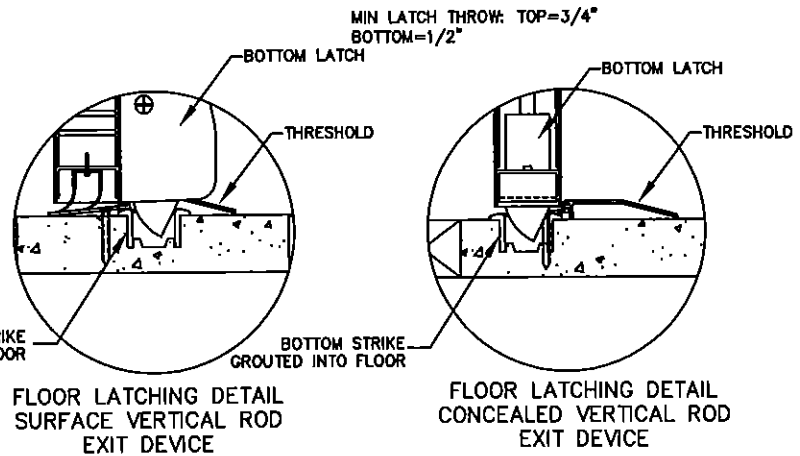
BEND RADIUS				SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION							
DRAWN YMF	DATE 05/20/07	TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES HORIZONTAL CROSS SECTIONS FOR FLUSH DOUBLE DOORS.					
CHECKED							
APPROVED		SIZE	FLAT	DWG NO. IRFD07		REV M	
ENG. APPVL		SCALE	NTS	AUTOCAD	SHEET 10 OF 14		



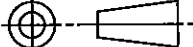
REVISIONS				
LTR	DESCRIPTION	DATE	APPROVED	
A	APPROVAL DWG	YMF	05/20/07	
E	REVISED DWG	YMF	04/09/08	
F	REVISED DWG	YMF	06/02/08	
G	REVISED PER_MDBCCO	YMF	02/06/09	
H	REVISED DWG	YMF	03/18/09	
J	REVISED PER_MDBCCO	YMF	04/06/10	
K	REVISED NAME	JPD	11/01/13	
L	REVISED DWG	JPD	02/01/15	
M	REVISED DWG	JPD	05/05/15	



NOTES:
1. FOR MAXIMUM DOOR AND UNIT
OPENING SIZES SEE ELEVATION
SHEET 1 AND TABLE 1 ON SHEET 2
OF 13.
2. SEE SHEET 4 & 14 FOR ANCHOR
INSTALLATION AND SHEETS 3, 4 5 &
14 FOR SILL INSTALLATION DETAILS



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0930-05
Expiration Date 5/5/17
by: [Signature]
Manufacturer Product Control

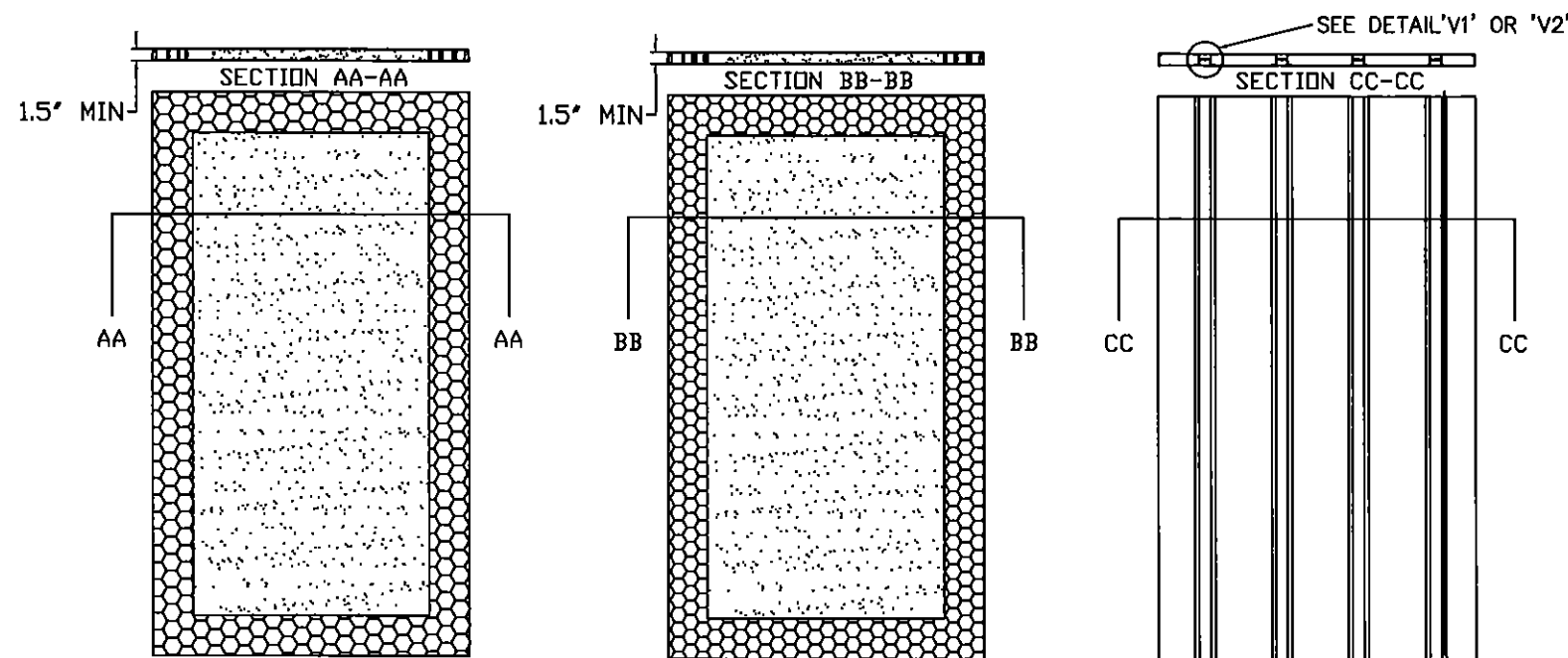
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250				MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242					
											
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES									
DRAWN YMF		DATE 05/20/07		VERTICAL CROSS SECTIONS FOR FLUSH DOUBLE DOORS.							
CHECKED											
APPROVED		SIZE		FLAT		DWG NO. IRFD07				REV M	
ENG. APPVL JPD		10/12/07		SCALE: NTS		AUTOCAD				SHEET 11 OF 14	

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

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

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

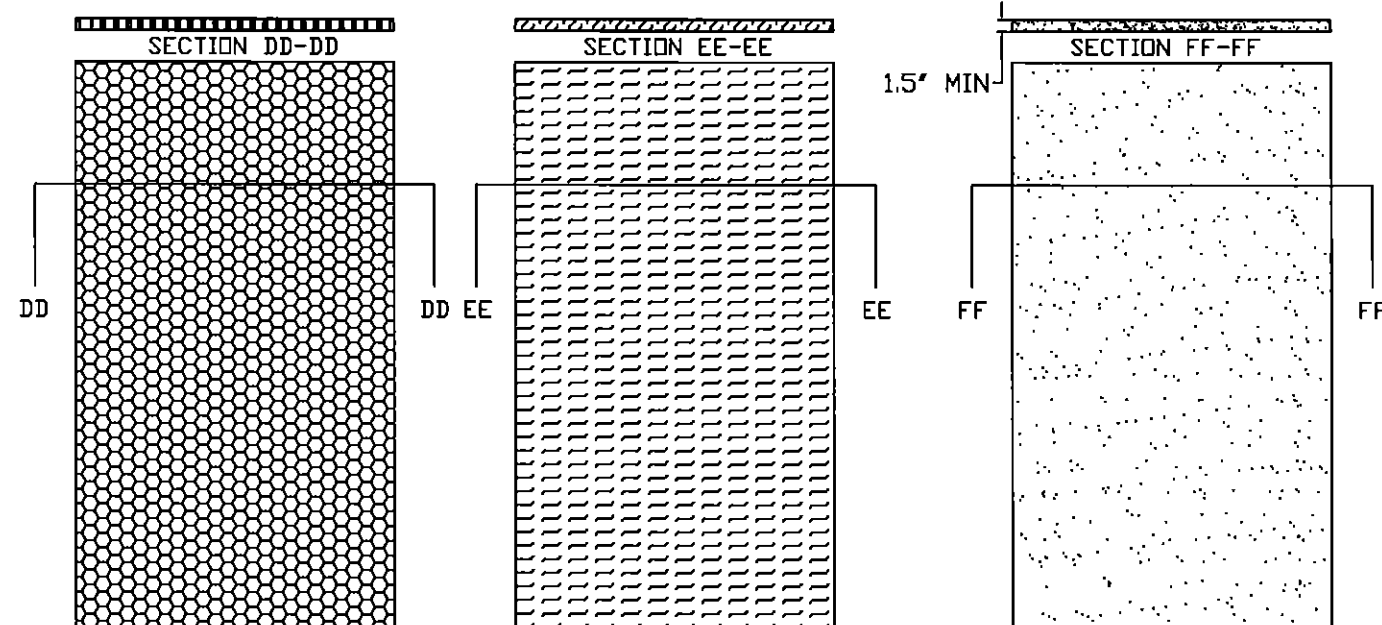
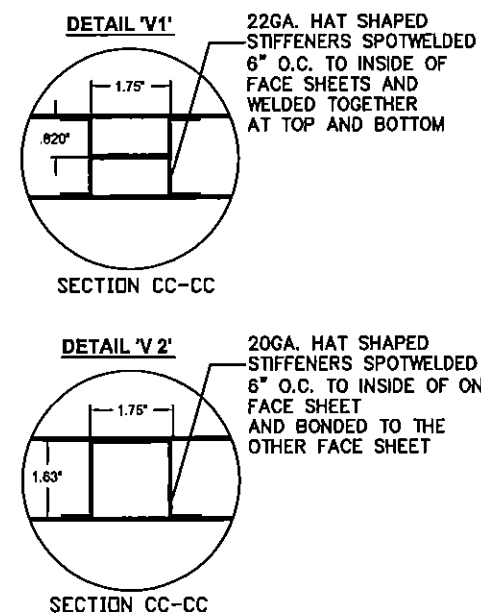
VERTICAL CROSS SECTIONS FOR FLUSH DOUBLE DOORS.



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

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

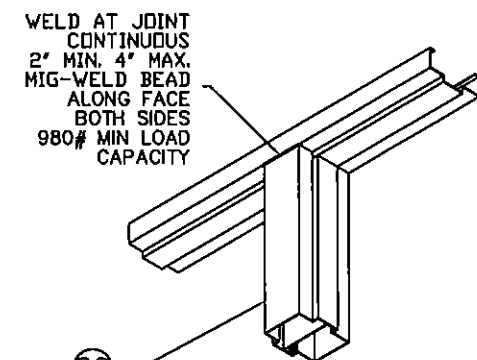
(C) STEEL STIFFENED
HAT SHAPED SECTIONS



(D) HONEYCOMB
KRAFT PAPER.

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

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



HOLLOW METAL MULLION
DOUBLE RABBETED
SHOWN

EXT.

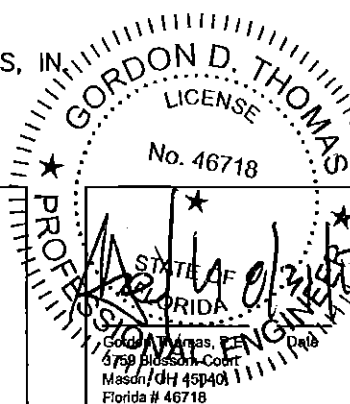
(2) 1/4" X 1-3/4"
TAPCON BY
ITW BUILDDEX
OR ELCO TEXTRON
INTO 4000 PSI
CONCRETE
1-1/4" MIN. EMBEDMENT
2-1/2" MIN. EDGE DISTANCE

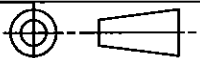
HOLLOW-METAL
STEEL MULLION

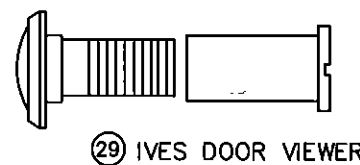
APPLICABLE TO
ELEVATION 10 ONLY
(SEE SHT.1)

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No 15-0930-05
Expiration Date 5/5/17
By Ishag L. Lhanda
Manager Product Control

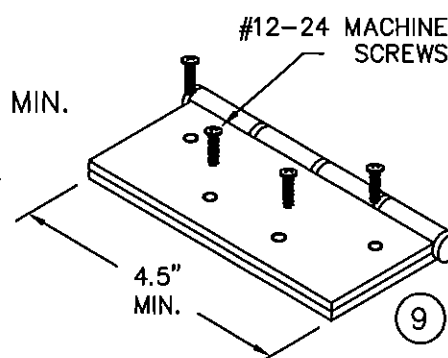
NOTES:
1. CORE MATERIAL SHOWN WITHOUT CUTOUTS FOR REINFORCEMENTS



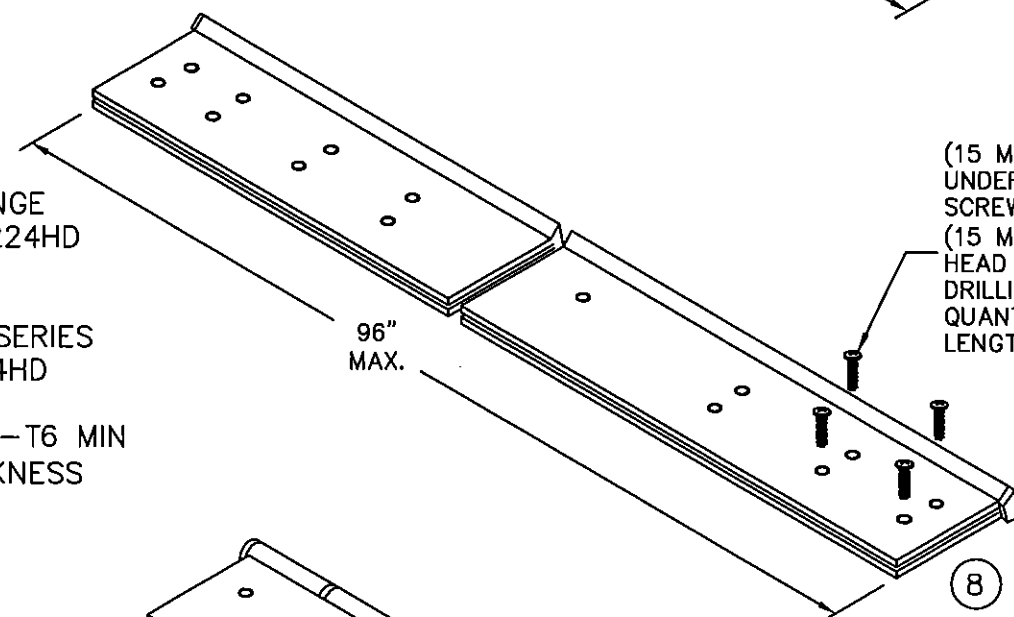
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES			
DRAWN JPD	DATE 02/03/14	DOOR CORE OPTIONS AND HOLLOW METAL AND HARDWARE MULLION INSTALLATION			
CHECKED					
APPROVED		SIZE	FLAT	DWG NO. IRFD07	REV C
ENG. APPVL		SCALE:	NTS	AUTOCAD	SHEET 12 of 14



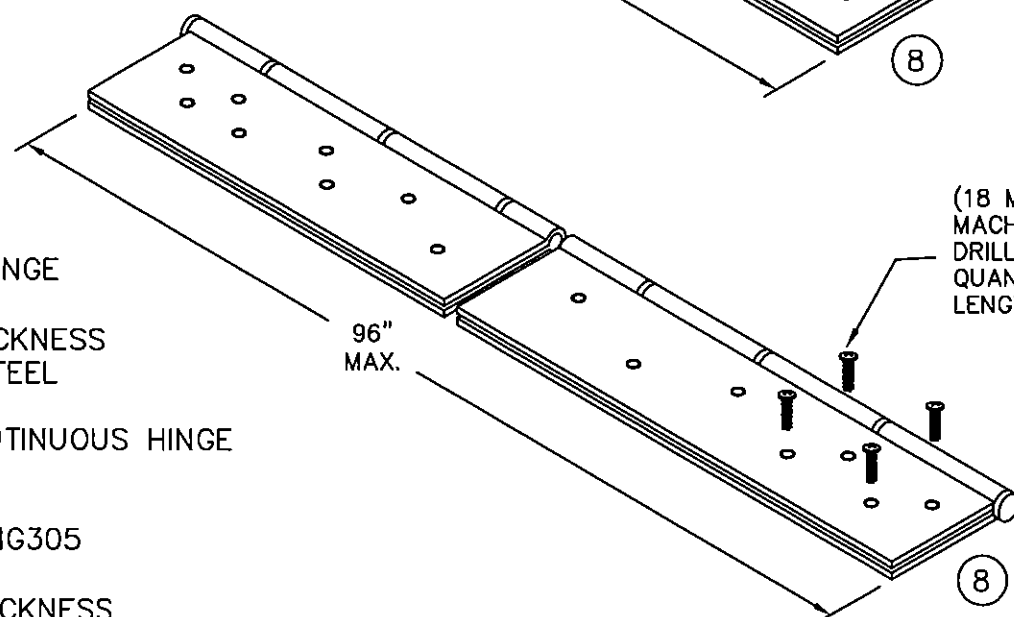
STEEL BUTT HINGE
4.5" X 4.5" STD. WT. MIN.
IVES 5BB1/3CB1
STANLEY FBB179/1900
HAGER BB1279
.134" MIN. THICKNESS
Fy MIN. = 36ksi



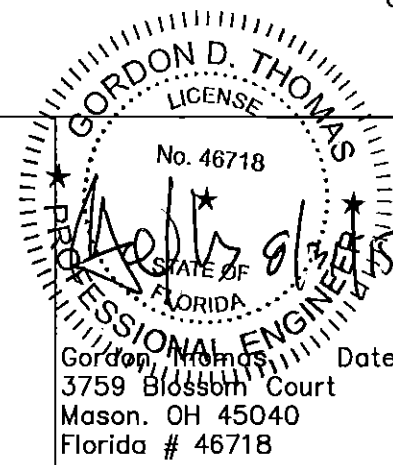
CONTINUOUS HINGE
IVES 112HD & 224HD
STANLEY 661HD
SELECT SL11HD
PEMCO FM_HD SERIES
HAGER 780-224HD
ABH A240HD
ALUMINUM 6036-T6 MIN
.110" MIN. THICKNESS



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



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



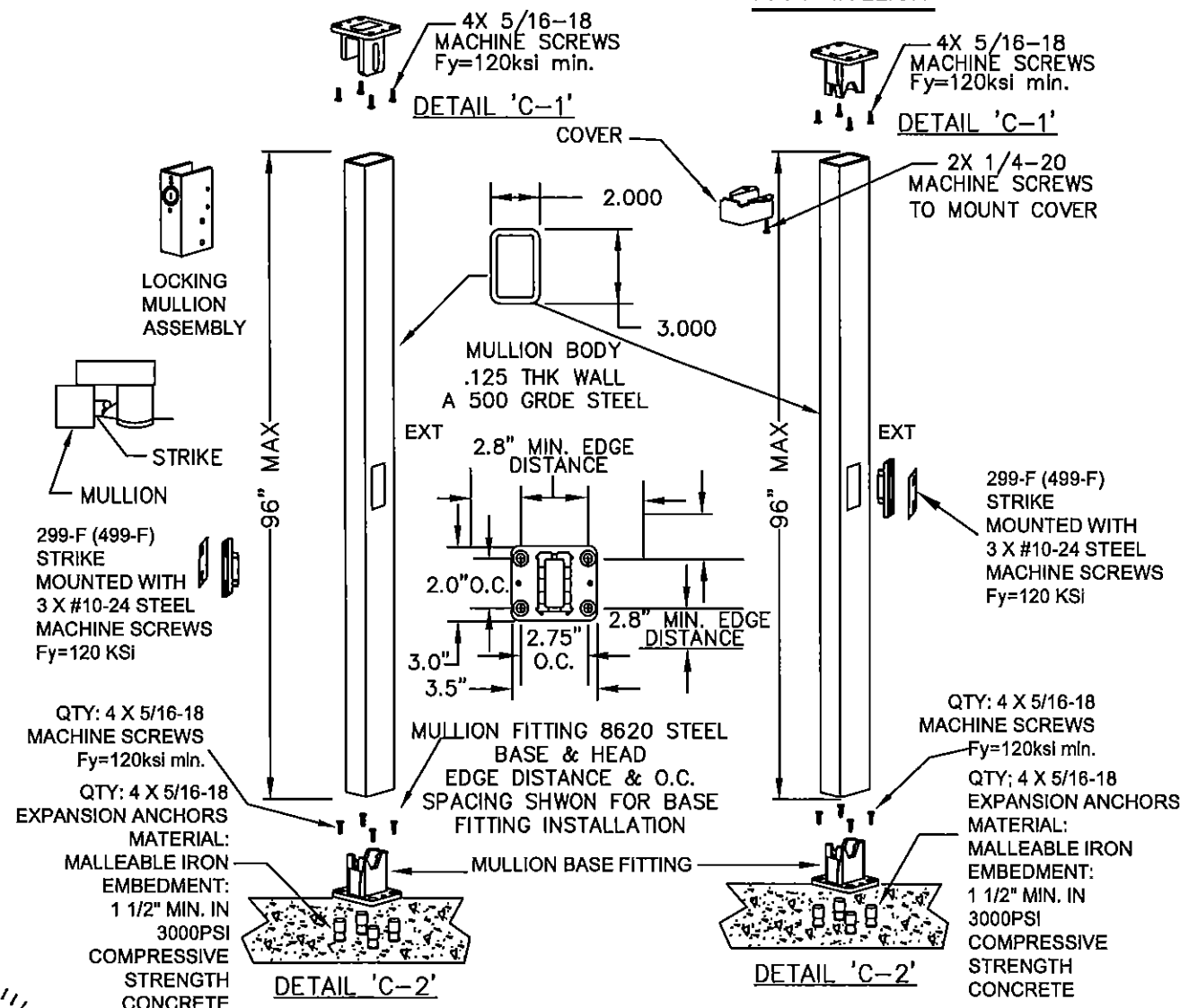
PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 15-0930-05
Expiration Date 5/5/17
By: [Signature]
Date: 02/03/14
Product Control

VON DUPRIN MULLION

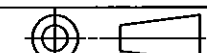
KR 9954 MULLION

②

9954 MULLION



BEND RADIUS



THIRD ANGLE PROJECTION

DRAWN

JPD

DATE

02/03/14

CHECKED

APPROVED

ENG. APPVL

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

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

TITLE: STEELCRAFT H SERIES DOUBLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT
Panic Exit Devices

HINGE OPTIONS

SIZE

FLAT

DWG NO.

IRFD07

REV

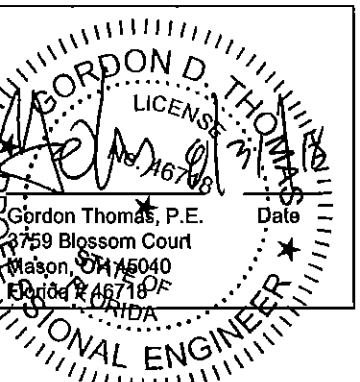
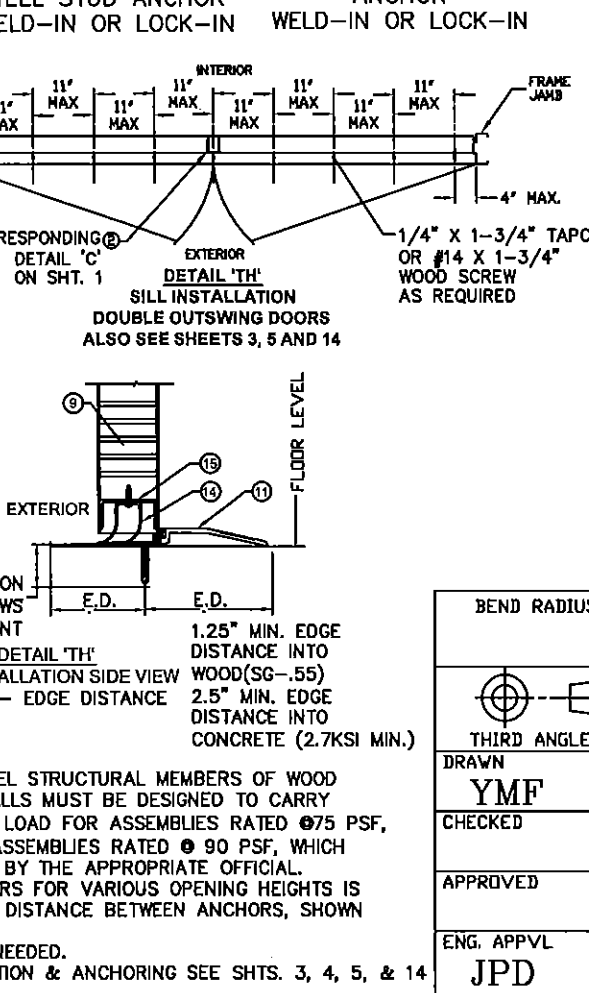
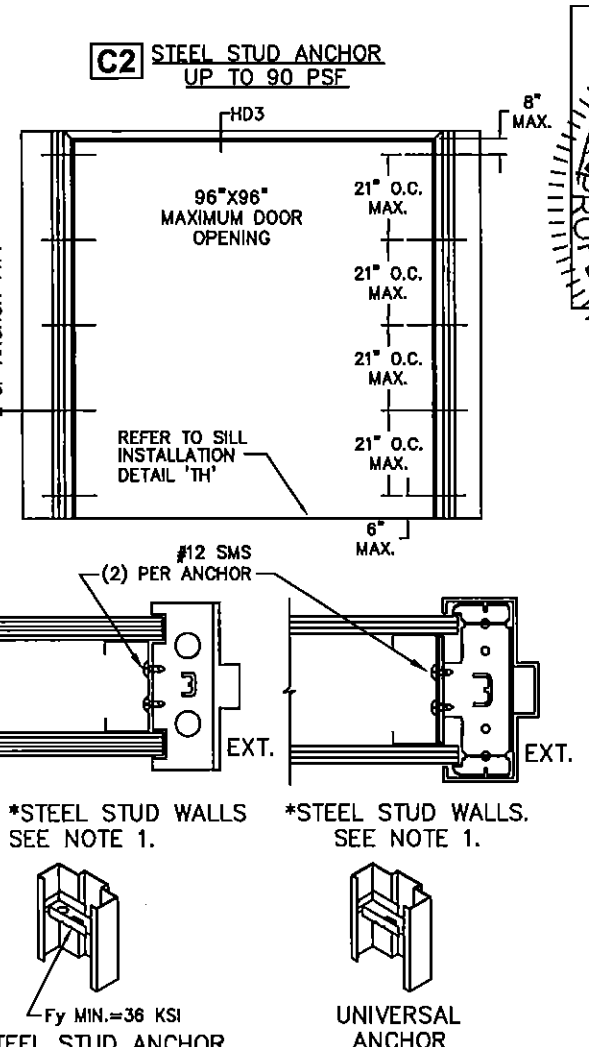
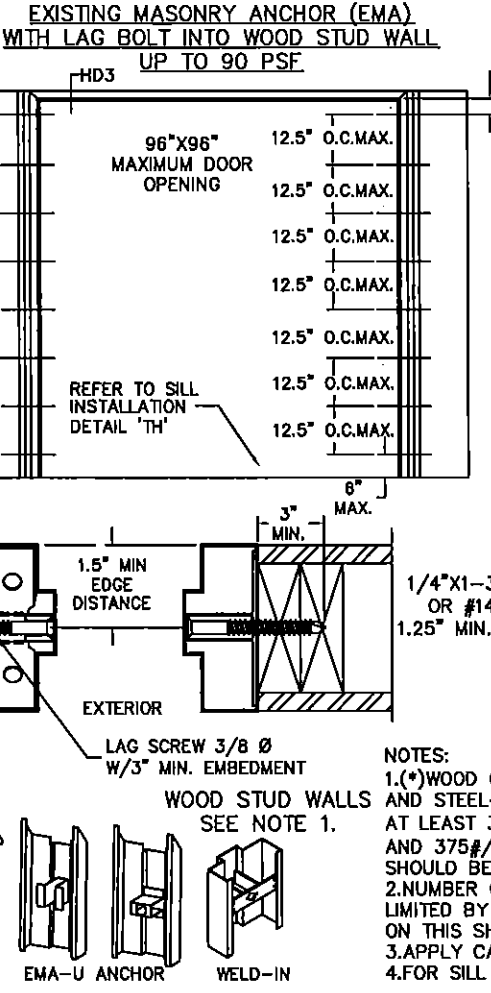
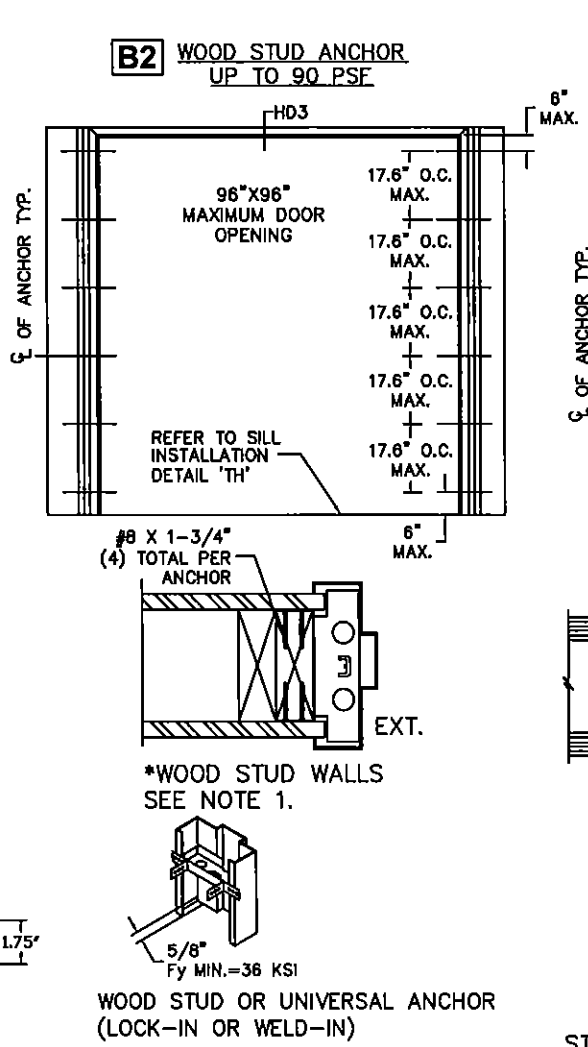
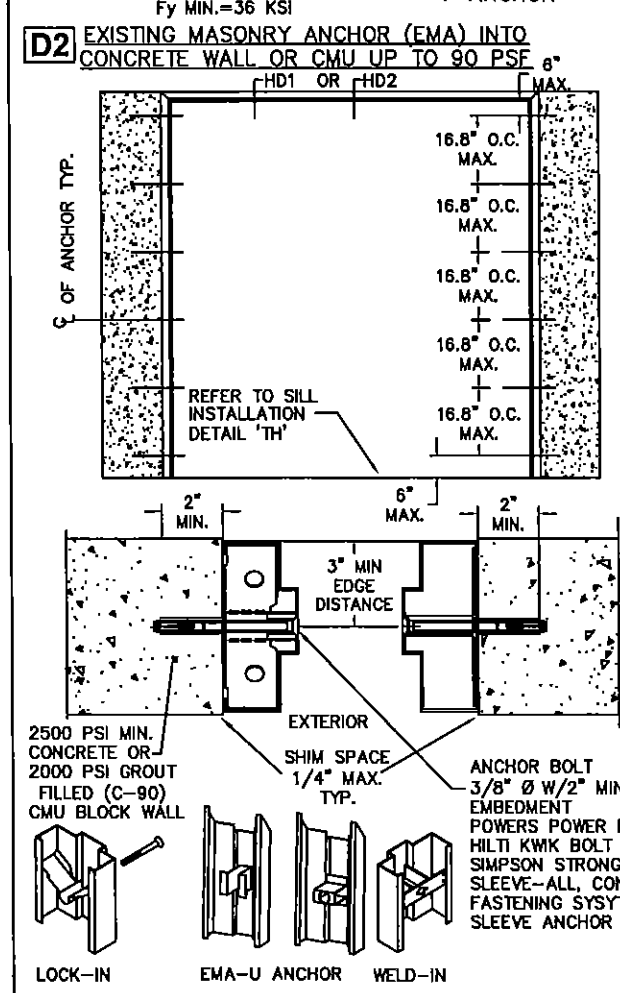
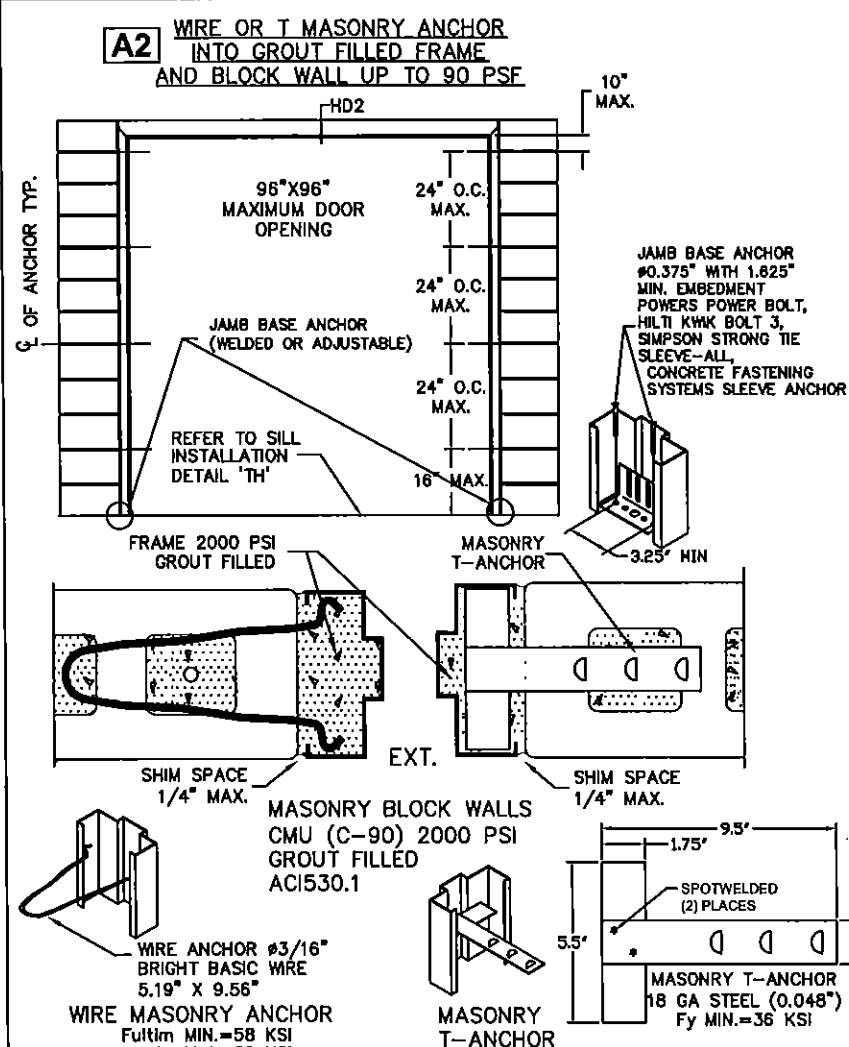
C

SCALE:

NTS

AUTOCAD

SHT 13 OF 14



REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	JPD 05/05/15	

Gordon Thomas, P.E.
3759 Blossom Court
Mason, OH 45040
Florida License #16708

DATE

PROFESSIONAL ENGINEER

STATE OF FLORIDA

16708

DATE

PROFESSIONAL ENGINEER

STATE OF FLORIDA

16708

DATE

PROFESSIONAL ENGINEER

STATE OF FLORIDA

16708

DATE

PROFESSIONAL ENGINEER

STATE OF FLORIDA

DATE

PROFESSIONAL ENGINEER

STATE OF FLORIDA

16708

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PROFESSIONAL ENGINEER

STATE OF FLORIDA

16708

DATE

PROFESSIONAL ENGINEER

STATE OF FLORIDA

16708

DATE

PROFESSIONAL ENGINEER

STATE OF FLORIDA

16708

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 15-0930-05
Expiration Date 5/5/17
By: [Signature]
Manufacture Product Control

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

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

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

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.	REV
		IRFD07	A

SCALE: NTS AUTOCAD

SHEET 14 OF 14

NOTES:

- (*)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.
- NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
- APPLY CAULK AS NEEDED.
- FOR SILL INSTALLATION & ANCHORING SEE SHTS. 3, 4, 5, & 14