



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

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

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

**SCOPE:**

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

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

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

**DESCRIPTION: SteelCraft H Series Single Flush Inswing Commercial Steel Doors w/ Mortise Lock w/dead bolt**

**APPROVAL DOCUMENT:** Drawing No 776W-3 Rev L, titled "Steelcraft H series Single Door (Inswing)", sheets 1 through 9 of 9, prepared by Building Drops, Inc., dated 05-01-02 and last revised on 01/29/2021, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large Missile Impact Resistant**

**Limitations:**

1. See Design pressure (w/ **Standard** or **Stainless-Steel** lock strike options) in sheet **1**.
2. Doors are **Not** Rated for Water infiltration requirements or Fire ratings, to be reviewed by Building official.
3. **(5) EMA** anchors **[D]** in sheet **6** must be into **Concrete** for **DP > 120 PSF** up to **170 PSF**, unless **(6)-anchors** used
4. Non-grouted 2" face header will require head anchors per sheets **5 & 6**, Grouted 4" header required no anchors.

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

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

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

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

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

This NOA **revises NOA #20-0310.02** and consists of this page 1 and evidence pages E-1, E-2, E-3 & E-4, as well as approval document mentioned above.

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



*Ishaq I. Chanda*

NOA No. 20-1005.12  
Expiration Date: February 24, 2022  
Approval Date: February 11, 2021  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. Evidence submitted in previous files**

**A. DRAWINGS**

1. Manufacturer's parts and sections drawings (Submitted under file as below).
2. Drawing No **776W-3 Rev I**, titled "Steelcraft H series Single Door (Inswing)", sheets 1 through 9 of 9, prepared by Building Drops, Inc., dated 05-01-02 and last revised on 02/22/17, signed and sealed by Hermes F. Norero, P.E.

**B. TESTS (Submitted under files #15-0427.04/#13-1217.11/#13-0617.31/#11-0921.12/ #10-1206.02)**

**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 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 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
- 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 flush Inswing / Outswing steel doors, marked by Certified Testing Lab, Test Reports No(s). **CTLA-776W -2 & CTLA-776W -3** both dated June 07, 2002, both signed and sealed by Ramesh Patel, P.E.

Note: Test report No. **CTLA-776W -2** has been issued an addendum letter dated 12/03/09, issued by Certified Testing Lab, signed and sealed by Ramesh Patel, P.E.

**4 Additional Reference test reports per CTLA 776W-1 and CTLA 1035W-2 for anchor options qualifications.**

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-1005.12**  
**Expiration Date: February 24, 2022**  
**Approval Date: February 11, 2021**

**Schlage Lock Company**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS:**

1. Anchor verification calculation and analysis prepared by Building Drops, Inc., dated 11-28-16 and last revised on 02/11/2017, signed and sealed by Hermes F. Norero, P.E.
2. Hinge Load Evaluation report dated 01/04/04, prepared, signed & sealed by Thomas Gordon, P.E. (submitted under #09-0929.04).

**D. QUALITY ASSURANCE BY**

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

**E. MATERIAL CERTIFICATIONS (submitted under file # listed above)**

1. Tensile test report # CTLA-776W (0194H), dated 02/25/02 prepared by CTL Architectural Division, sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
2. 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".
3. 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.
4. Test Report No. **16206-122543 (1015P200(3))**, dated November 29, 2004 for "Surface Burning Characteristics of Building material" per ASTM E84 and self-Ignition per ASTM 1929D for "Polyisocyanurate" issued by Omega Point Lab, Inc. to Elliot Company, Indianapolis, IN.
5. Material Safety Data Sheet for "Pyrophoric core PSL P250-C60" manufactured by Pyrophobic System LTD, Canada.
6. Material Safety Data sheet for "Calcium Silicate Mineral Block" manufactured by Marshfield Door System Inc., Wisconsin.

**F. STATEMENTS: Except items #1 & 2, all the balanced items submitted under files listed above.**

1. Letter of adoption of another Engineer's work per FLA rule 61G15-27, dated NOV 11, 2016, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Letter of conformance to FBC 2014 (5<sup>th</sup> Edition), dated 11/11/16, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
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 dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
7. Laboratory Statement of compliance, part of the above referenced test reports.
8. Addendum letter dated Jan 20, 2011, issued by Certified Testing Lab confirming testing of Alum continuous hinges w/ marked-up drawings, signed and sealed by Ramesh Patel, P.E.
9. Addendum letter dated DEC 19, 2011, issued by Certified Testing Lab verifying wire anchors, strength of grout, stud anchor, Strike plate and MA series Mortise Lock supplemented w/ marked-up drawings, signed and sealed by Ramesh Patel, P.E. *Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-1005.12**  
**Expiration Date: February 24, 2022**  
**Approval Date: February 11, 2021**

**Schlage Lock Company**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**G. OTHER** *(Except items #1, all other items submitted under files listed above)*

1. This NOA revises & renews NOA #15-0427.04, expiring on 02/24/2022.
2. Test proposal # 14-1086 dated AUG 29, 2014 approved by RER.
3. Test proposal dated 12/03/09 for continuous hinges & SS strike plate, approved by BCCO.
4. Additional marked-up drawings provided as part of addendum letters by Certified Testing laboratory, Inc.
5. Photo of Stainless-Steel Strike plate supplied by Ingersoll-Rand.
6. Schlage & Falcon Mortise Locks brochures / catalogs supplied by Ingersoll-Rand.
7. Technical brochures of butt Hinges & continuous Hinges supplied by Ingersoll-Rand.

**2. Evidence submitted under previous submittal.**

**A. DRAWINGS**

1. Drawing No 776W-3 Rev J, titled "Steelcraft H series Single Door (Inswing)", sheets 1 through 9 of 9, prepared by Building Drops, Inc., dated 05-01-02 and last revised on 10/24/17, signed and sealed by Hermes F. Norero. P.E. Note: This revision consists of editorial FBC 2017 compliance note only.

**B. TEST**

1. None

**C. CALCULATIONS**

1. None

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2017 (6<sup>th</sup> Edition) dated 09/20/17, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Statement letter of extent of drawing changes dated 12/11/17, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E

**G. OTHER**

1. This NOA revises NOA # 16-1206.04, expiring 02/24/22.

**3. Evidence submitted under previous approval.**

**A. DRAWINGS**

1. Drawing No 776W-3 Rev K, titled "Steelcraft H series Single Door (Inswing)", sheets 1 through 9 of 9, prepared by Building Drops, Inc., dated 05-01-02 and last revised on 03/04/2020, signed and sealed by Hermes F. Norero. P.E. (Note: This revision consists of address change only).

**B. TEST**

1. None

**C. CALCULATIONS** (submitted under file #17-1026.24)

1. None.

*Ishaq I. Chanda*

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Ishaq I. Chanda, P.E.  
Product Control Unit Supervisor  
NOA No. 20-1005.12  
Expiration Date: February 24, 2022  
Approval Date: February 11, 2021

**Schlage Lock Company**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2017 (6<sup>th</sup> Edition) dated 09/20/17, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E. (submitted under file #17-1026.24)
2. Application request of address change only by Schlage Lock company, signed by Donlan James.

**G. OTHER**

1. This NOA revises NOA # 17-1026.24, expiring 02/24/22.

**4. New Evidence submitted.**

**A. DRAWINGS**

1. Drawing No 776W-3 Rev L, titled "Steelcraft H series Single Door (Inswing)", sheets 1 through 9 of 9, prepared by Building Drops, Inc., dated 05-01-02 and last revised on 09/13/2020, signed and sealed by Hermes F. Norero. P.E.

**B. TEST**

1. None.

**C. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2020 (7<sup>th</sup> Edition) dated 01/29/21, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Statement letter dated 09/02/20 issued by Allegion in reference to DWG. revision changes, signed by Donlan James, code compliance Engineer.

**G. OTHER**

1. This NOA revises NOA # 20-0310.02, expiring 02/24/22.

*Ishaq I. Chanda*

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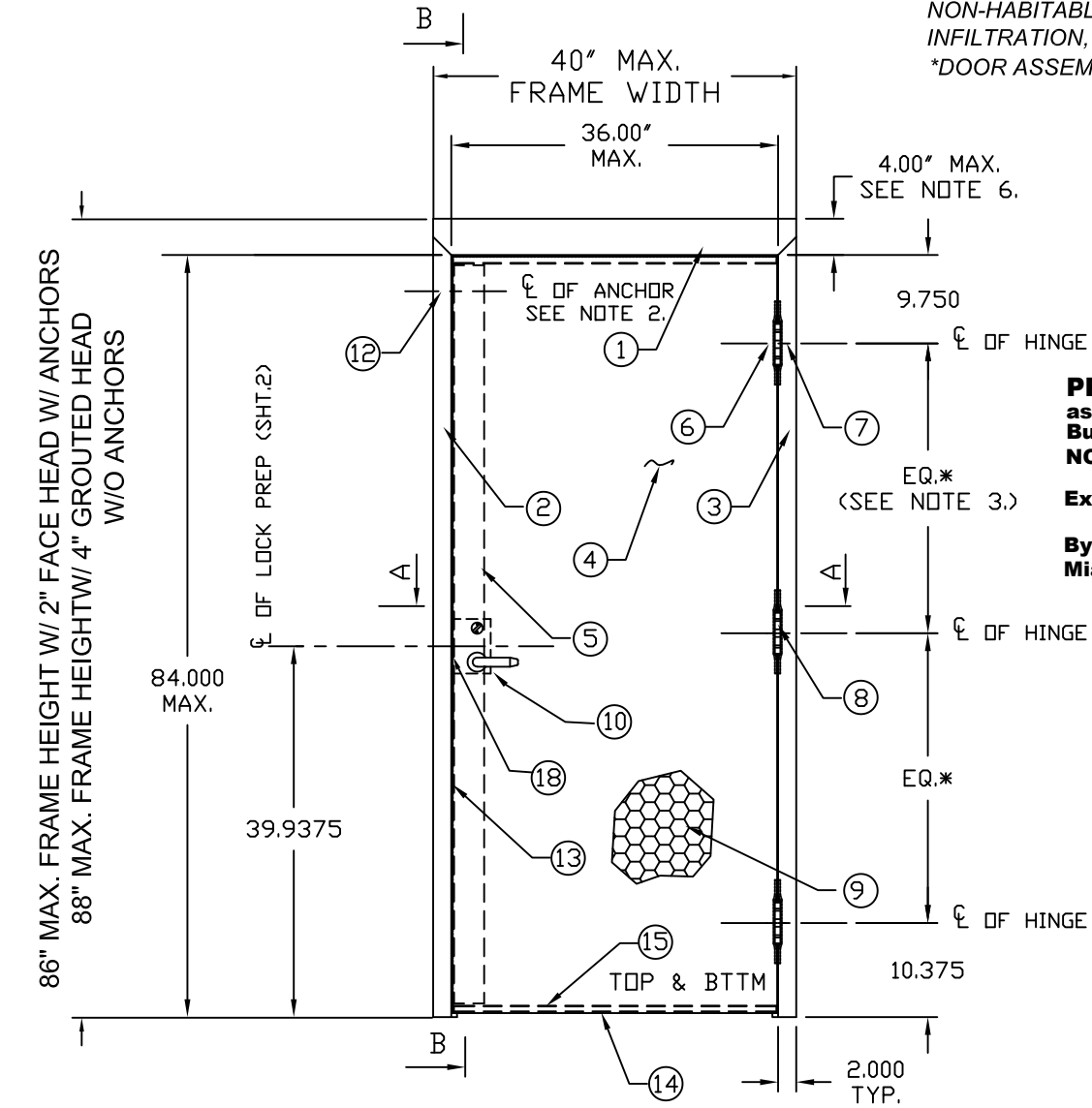
**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-1005.12**  
**Expiration Date: February 24, 2022**  
**Approval Date: February 11, 2021**

GENERAL NOTES:  
1. THESE PRODUCTS HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS201, 202, & 203-94 AND COMPLY WITH THE 2020 (7TH EDITION) FLORIDA BUILDING CODE.  
2. THE DOORS ARE LARGE MISSILE IMPACTED  
3. DISSIMILAR MATERIAL IN CONTACT SHALL MEET FBC REQUIREMENTS.

DESIGN PRESSURE RATING (INSWING DOOR)			IMPACT RATING
LOCK/STRIKE PLATE OPTION	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED*	LARGE AND SMALL MISSILE IMPACT (LMI - 50 FPS)
STANDARD	NOT APPROVED	+120 PSF / -120 PSF	
STAINLESS STEEL SS 304 OR 306 FY MIN= 31.2 KSI	NOT APPROVED	+170 PSF / -170 PSF	

\*WATER INFILTRATION RESISTANCE IS NOT REQUIRED WHEN DOOR ASSEMBLIES INSTALLED IN NON-HABITABLE AREAS WHERE THE DOOR ASSEMBLY AND AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION, OR IF PROTECTED BY OVERHANG WITH RATIO LENGTH/HEIGHT EQUAL OR GREATER THAN 1.  
\*DOOR ASSEMBLIES MEET THE 2020 (7TH EDITION) FBC AIR INFILTRATION REQUIREMENTS.

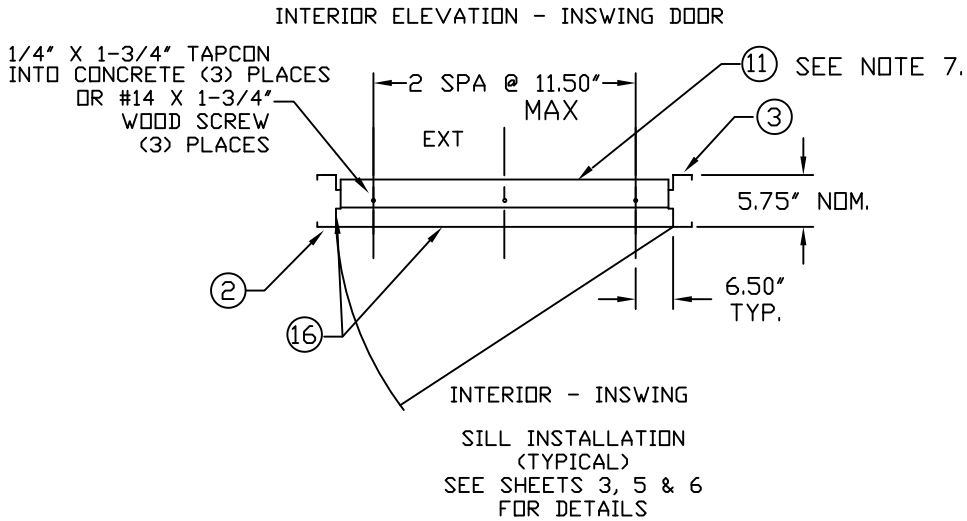
R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	02/25/03	
G	REVISED NAME	11/01/13	
H	REVISED	05/05/15	
I	CHANGE OF EDR	11/10/16	
J	2017 FBC UPDATE	09/20/17	
K	ADDRESS UPDATE	02/25/20	
L	2020 FBC UPDATE	07/05/20	

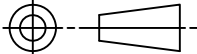


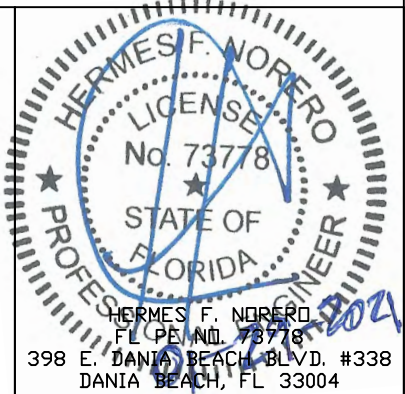
**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 20-1005.12  
Expiration Date 02/24/2022  
By Ishaq I. Chande  
Miami-Dade Product Control

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD SEE SHT 3 & 8. ASTM A366	.053" MIN. STL	MAX. 40"
2	1	STRIKE JAMB. SEE SHT 8. ASTM A366	.053" MIN. STL	MAX. 86"-88"
3	1	HINGE JAMB SEE SHT 8. ASTM A366	.053" MIN. STL	MAX. 86"-88"
4	1	DOOR SLAB	SEE SHT 7	3'0" (36") X 7'0" (84") MAX.
5	1	LOCK SIDE REINFORCEMENT CHANNEL	.099" MIN. STL	3.5" X 81.44" MAX.
6	NOTE 3.	HINGE REINFORCEMENT DOOR ASTM A621	.167" MIN. STL.	1.23" X 9.19"
7	NOTE 3.	HINGE REINFORCEMENT FRAME ASTM A621	.167" MIN. STL.	1.28" X 9.19"
8	NOTE 3.	4.5" X 4.5" BUTT HINGES (SEE SHT.3) OPTIONAL CONTINUOUS HINGE (SEE SHT.3)	.134 MIN. .750" MIN. STL / .11 ALUM.	(4) #12-24 MS PER HINGE MAX. 84"
9	1	CORE MATERIAL: D) HONEYCOMB C) STEEL STIFFENED A&F) POLYSTYRENE B&F) POLYURETHANE E) MINERAL BOARD TEMPERATURE RISE CORE	SEE SHEET 4	35.66" X 81.5" MAX.
10	1	LOCKING HARDWARE - LOCKSET 1) SCHLAGE L/LV9400 SERIES MORTISE LOCK W/DEADBOLT 2) FALCON MA-SERIES MORTISE LOCK W/ DEADBOLT	SEE SHEET 2	
11	1	THRESHOLD SILL W/BUMPER GASKET, SHT.9 1) PEMKO 2005AS 3) ZERO 566A 2) NAT'L GUARD 950A	.125" ALUM. 6063 T5 .078" ALUM. 6063 T5	5.5" X 0.5" X 36" MAX
12	NOTE 2.	JAMB ANCHOR (LOCK-IN OR WELD-IN) MIN 18 GA	SEE SHTS. 5 & 6	
13	3	PS074 WEATHER STRIPPING, SHEET 9	TPE	MAX. 21'
14	1	FAS-SEAL DOOR SWEEP, SHEET 9	TPE	MAX. 35.66"
15	2	END CHANNEL ASTM A924 (14 GAGE)	.070" MIN. STL	.69" X 1.66" X 35.66" MAX.
16	AS NEEDED	BUTYL RUBBER OR 100% SILICONE		
17	1	TOP CAP GALV. A60 ASTM A924 (24 GAGE)	.020" MIN. STL	0.5" X 1.76" X 36" MAX
18	1	STRIKE REINFORCEMENT FRAME ASTM A366	.053" MIN. STL	1.31" X 8.38"
19	1	IVES 698/U698 VIEWER	BRASS	

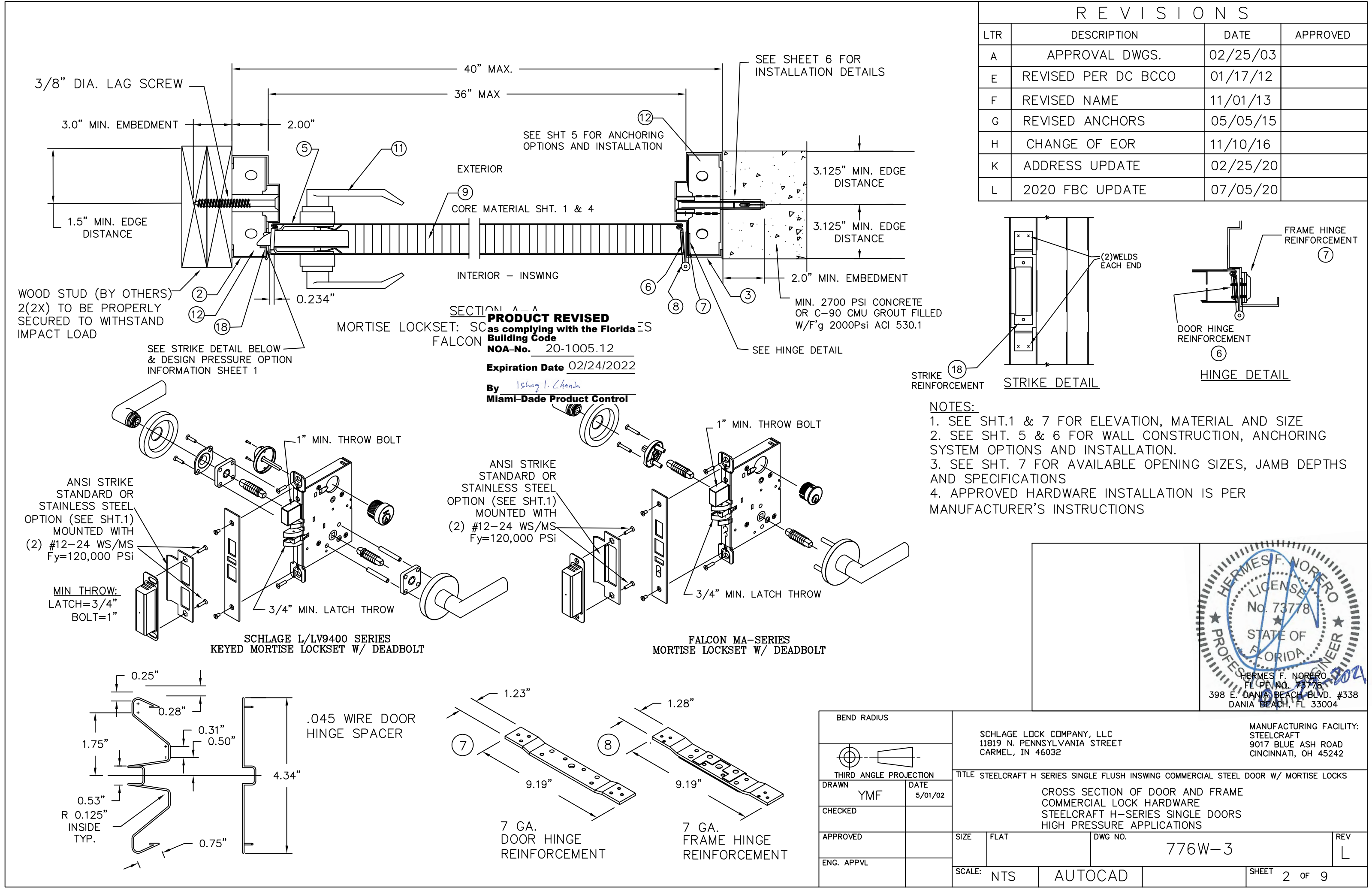
- NOTES:  
1. ONE ROW OF PS074 WEATHERSTRIPPING PER JAMB AND HEAD. INSTALL PER SHEET 8  
2. ANCHORING REQUIREMENTS:  
SEE SHEETS 1, 5 AND 6 FOR APPROVED ANCHOR AND INSTALLATION REQUIREMENTS.  
3. HINGE REQUIREMENTS: MINIMUM (3) HINGES  
LOCATIONS: 9.75" FROM RABBIT IN HEAD TO CL OF TOP HINGE  
10.38 FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED IN BETWEEN  
OR (1) CONTINUOUS HINGE  
4. SEE SHEET 7 FOR AVAILABLE STANDARD DOOR / FRAME CONFIGURATIONS.  
5. HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.  
6. 4" FACE HEAD IS AVAILABLE WHEN FRAME IS GROUTED WITH CONCRETE,  
TO MAX FRAME HEIGHT SHOWN.  
7. APPLY CAULK AS NEEDED.  
8. PRODUCT IS NOT APPROVED WHERE WATER INFILTRATION REQUIREMENT IS NEEDED



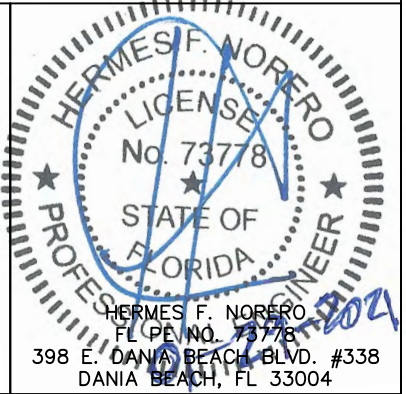
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE   STEELCRAFT H SERIES SINGLE FLUSH INSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS			
DRAWN	YMF	DATE	STEELCRAFT H SERIES SINGLE DOOR (INSWING)		
CHECKED		5/01/02	WITH MORTISE LOCK		
			HIGH PRESSURE APPLICATIONS		
APPROVED		SIZE	FLAT	DWG NO.	REV
				776W-3	L
ENG. APPVL		SCALE:	NTS	AUTOCAD	SHEET 1 OF 9

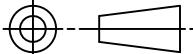






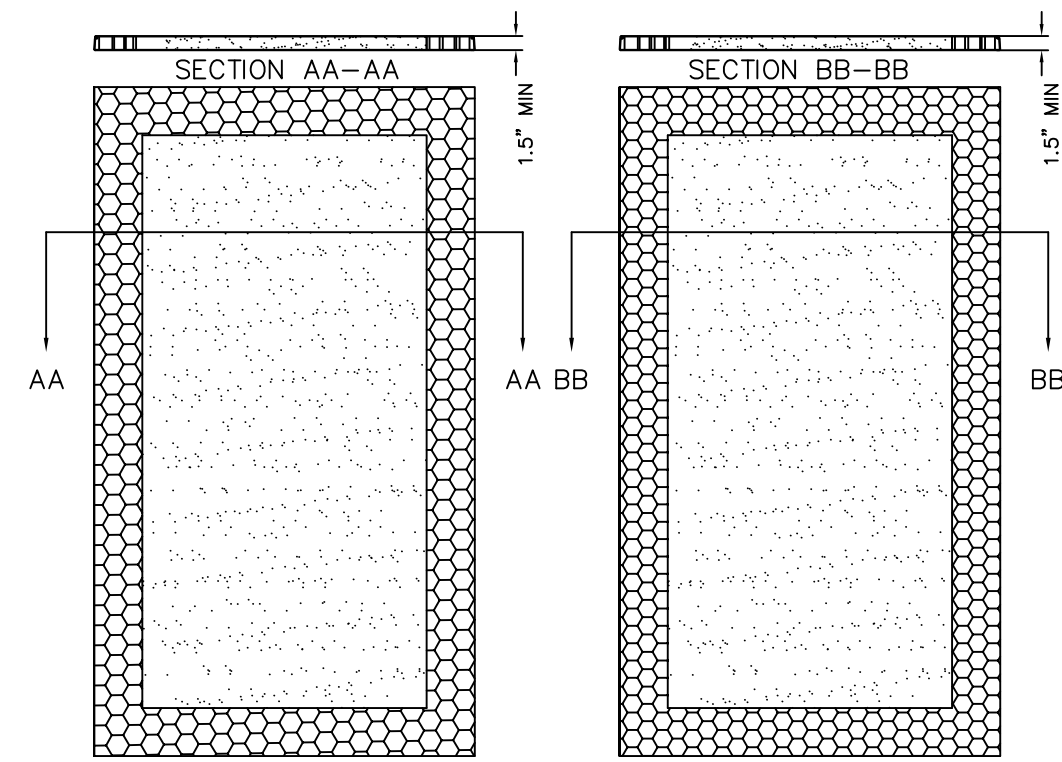
R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	02/25/03	
E	REVISED PER DC BCCO	01/17/12	
F	REVISED NAME	11/01/13	
G	REVISED ANCHORS	05/05/15	
H	CHANGE OF EOR	11/10/16	
K	ADDRESS UPDATE	02/25/20	
L	2020 FBC UPDATE	07/05/20	



BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div>		<div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>	
<div></div>					
THIRD ANGLE PROJECTION		TITLE STEELCRAFT H SERIES SINGLE FLUSH INSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS			
DRAWN	YMF	DATE	CROSS SECTION OF DOOR AND FRAME		
CHECKED		5/01/02	COMMERCIAL LOCK HARDWARE		
			STEELCRAFT H-SERIES SINGLE DOORS		
			HIGH PRESSURE APPLICATIONS		
APPROVED		SIZE	FLAT	DWG NO.	REV
				776W-3	L
ENG. APPVL		SCALE:	NTS	AUTOCAD	SHEET 2 OF 9

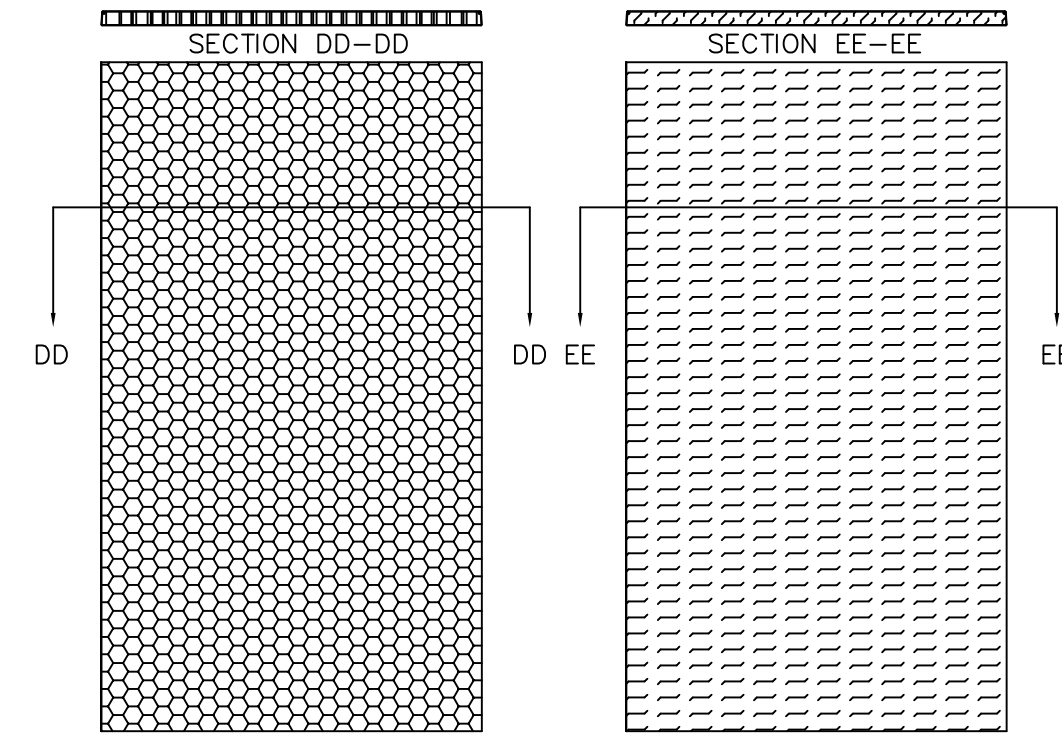






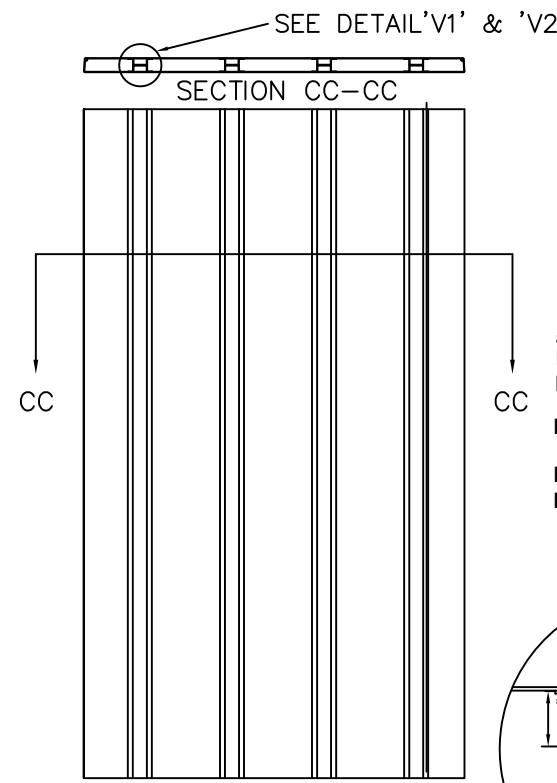
(A) EXPANDED POLYSTYRENE FOAM  
BY ATLAS EPS  
DENSITY: 1.0 LBS/FT<sup>3</sup>

(B) POLYISOCYANURATE  
(POLYURETHANE)  
BY ELLIOT CO. OF  
INDIANAPOLIS, IN  
DENSITY: 2 LBS/FT<sup>3</sup>

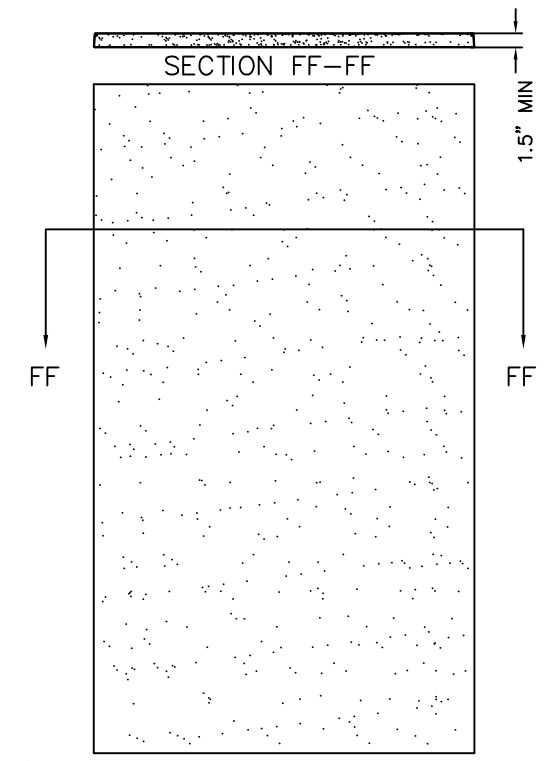


(D) HONEYCOMB  
KRAFT PAPER.

(E) TEMPERATURE RISE CORE  
MINERAL FIBER BOARD  
DENSITY: 17±1.5 LBS/FT<sup>3</sup>  
BY PYROPHOBIC SYSTEM LTD  
PYROPHOBIC PSL-P250C-60 OR  
MARSHFIELD DOOR SYSTEMS  
CALCIUM SILICATE MINERAL CORE

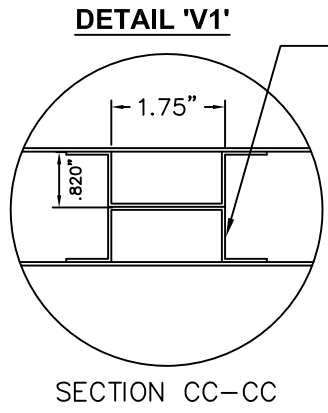


(C) STEEL STIFFENED  
HAT SHAPED SECTIONS  
20 GA. MIN.

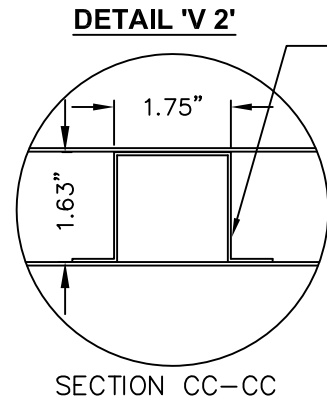


(F) EXPANDED POLYSTYRENE FOAM  
BY ATLAS EPS, DENSITY: 1.0 LB/FT<sup>3</sup>  
OR POLYISOCYANURATE  
(POLYURETHANE)  
BY ELLIOT CO. OF INDIANAPOLIS, IN  
DENSITY: 2 LBS/FT<sup>3</sup>

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 20-1005.12  
Expiration Date 02/24/2022  
By Ishaq I. Chank  
Miami-Dade Product Control



20GA. HAT SHAPED  
STIFFENERS SPOTWELDED  
6" O.C. TO INSIDE OF  
FACE SHEETS AND  
WELDED TOGETHER  
AT TOP AND BOTTOM

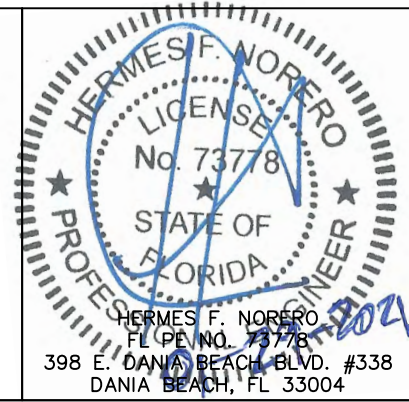


20GA. HAT SHAPED  
STIFFENERS SPOTWELDED  
6" O.C. TO INSIDE OF  
ONE FACE SHEET  
AND BONDED TO THE  
OTHER FACE SHEET

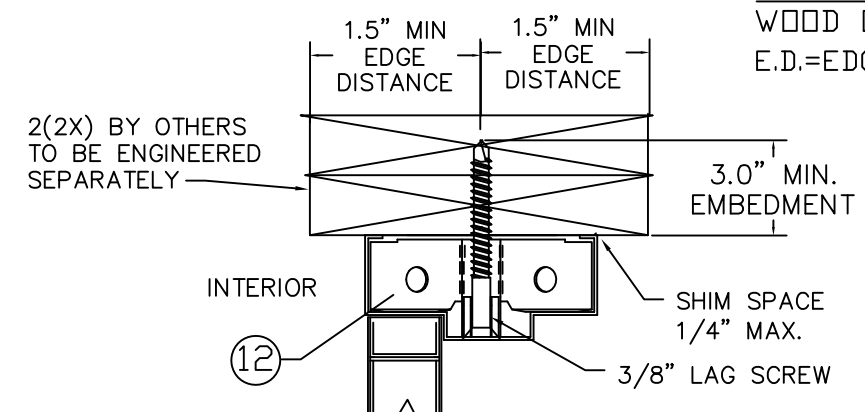
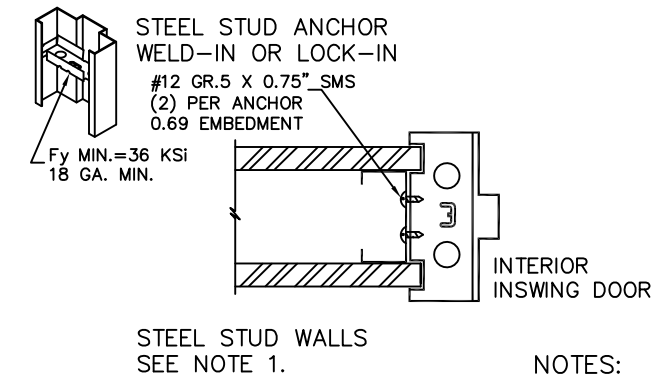
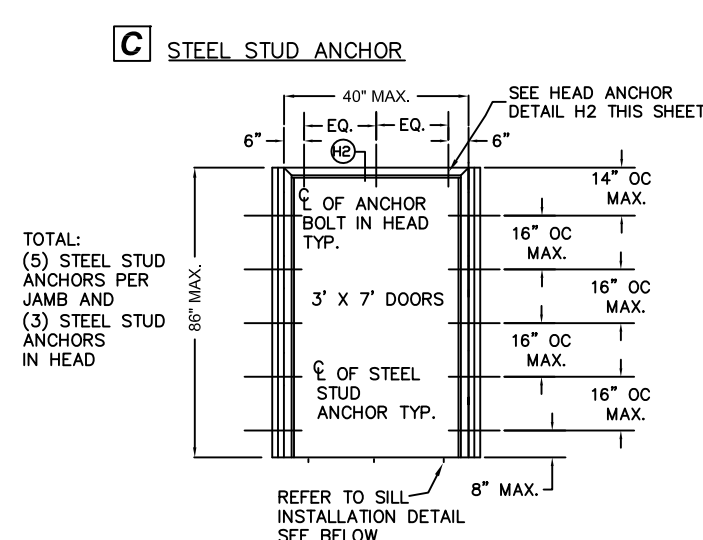
DOOR WIDTH	'V1' STIFFENERS
3'-0"	8

DOOR WIDTH	'V2' STIFFENERS
3'-0"	4

NOTE:  
CORE MATERIAL SHOWN  
WITHOUT HARDWARE REINFORCEMENTS



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH INSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS			
DRAWN YMF		DOOR CORE MATERIAL OPTIONS			
CHECKED					
APPROVED		SIZE FLAT		DWG NO. 776W-3	
ENG. APPVL		SCALE: NTS		AUTOCAD	
				SHT 4 OF 9	



SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
TITLE: STEELCRAFT H SERIES SINGLE FLUSH INSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS			
ANCHOR DETAILS / MOUNTING CONDITIONS			
SIZE	FLAT	DWG NO.	REV
		776W-3	L
SCALE:	NTS	AUTOCAD	SHT 5 OF 9



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

IF 4" FACE HEAD  $F'g = 2000\text{Psi}$   
MIN. GROUT REQUIRED SEE NOTE 3  
SEE HEAD DETAIL H1 THIS SHEET

40" MAX.

6" MAX.

18" OC MAX.

18" OC MAX.

18" OC MAX.

18" OC MAX.

3' X 7' DOORS

6" MAX.

FOR DP > 120 PSF CONCRETE

88" MAX.

40" MAX.

6" MAX.

14.75" OC MAX.

14.75" OC MAX.

14.75" OC MAX.

14.75" OC MAX.

3' X 7' DOORS

6" MAX.

FOR DP > 120 PSF CMU

88" MAX.

TOTAL: (5) EMA ANCHORS PER JAMB

TOTAL: (6) EMA ANCHORS PER JAMB

TOTAL: (6) EMA CMU ANCHORS PER JAMB

FOR DP  $\leq 20$  PSF  
CONCRETE & CMU

TOTAL: (5) EMA ANCHORS PER JAMB

(12) JAMB LOCK-IN

(12) JAMB WELD-IN

2" MIN. EMBEDMENT

3.125" MIN. EDGE DISTANCE

3.125" MIN. EDGE DISTANCE

EXTERIOR

2" MIN. EMBEDMENT

3.125" MIN. EDGE DISTANCE

3.125" MIN. EDGE DISTANCE

(12) JAMB LOCK—

3" MIN. EMBEDMENT

MIN. 3000Psi CONCRETE  
OR (C-90) CMU BLOCK WALL  
2000Psi GROUT FILLED  
ACI 530.1

SHIM SPACE  
1/4" MAX.  
TYPICAL

INTERIOR

Ø0.375" WITH 2" MIN. EMBEDMENT:  
POWERS POWER BOLT, POWERS LOK BOLT  
AS, HILTI HLC-FPH SLEEVE ANCHOR, OR  
SIMPSON STRONG TIE SLEEVE-ALL.  
(NOTE: ALL ANCHORS EXCEPT  
SIMPSON SLEEVE-ALL ARE APPROVED  
FOR USE IN CONCRETE OR GROUTED  
CMU/MASONRY, SIMPSON SLEEVE-ALL  
MAY BE USED IN CONCRETE ONLY)

SHIM SPACE  
1/4" MAX.  
TYPICAL

GROUT FILLED  
FRAME HEAD  
F'g 2000 Psi  
ACI 530.1

4" MAX.  
SEE NOTE 3.

2(2X) BY OTHER  
TO BE ENGINEER  
SEPARATELY -

13

1

4" MAX.  
SEE NOTE 3.

13

INTERIOR

1.5" MIN. EDGE DISTANCE

1.5" MIN. EDGE DISTANCE

3.0" MIN. EMBEDMENT

OR

12

SHIM SPACE  
1/4" MAX.

HEAD ANCHOR DETAIL (H2)

INSWING DOOR	PISTON ENGAGEMENT

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

**FOR DP > 75 PSF**

TOTAL:  
(9) EMA  
ANCHORS WITH  
3/8" GR. 5  
LAG SCREWS  
PER JAMB AND  
(3) ANCHORS  
OR 3/8" GR. 5  
LAG SCREWS  
IN HEAD

**FOR DP ≤ 75 PSF**

TOTAL:  
(5) EMA  
ANCHORS WITH  
3/8" GR. 5  
LAG SCREWS  
PER JAMB AND  
(3) ANCHORS  
OR 3/8" GR. 5  
LAG SCREWS  
IN HEAD

SEE HEAD ANCHOR  
DETAIL H2 THIS SHEET

SEE HEAD ANCHOR  
DETAIL H2 THIS SHEET

REFER TO SILL  
INSTALLATION DETAIL  
THIS SHEET

REFER TO SILL  
INSTALLATION DETAIL  
THIS SHEET

**F**

[illegible]

8" MAX.

C-90 CMU WALL  
2000 PSI GROUT  
FILLED ACI 530.1

MASONRY  
T-ANCHOR

FRAME TO BE  
GROUT FILLED  
 $F'_g=2000$  Psi

INTERIOR  
INSWING DOOR

SHIM SPACE  
 $1/4"$  MAX.

1.75"

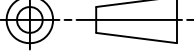
SPOTWELDED  
(2) PLACES  
 $9/32"$  MIN.  $\varnothing$  WELD SIZE

5.5"

MASONRY  
T-ANCHOR

MASONRY T-ANCHOR  
18 GA STEEL (0.048")  
 $F_y$  MIN.=36 KSI

1.75"

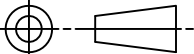
SEE SHT 9	BEND RADIUS		SC
SEE SHT 9			11
1.25" MIN. E.D. INTO WOOD (SG-55)	THIRD ANGLE PROJECTION		CAN
2.5" E.D. INTO CONCRETE (2.7KSI MIN.)	DRAWN YMF	DATE 5/01/02	TITLE: ST
	CHECKED		AN
	APPROVED		SIZE
	ENG. APPVL		SCALE

R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	02/26/03	
D	REVISED PER DC BCCO	01/07/11	
E	REVISED PER DC BCCO	01/17/12	
F	REVISED NAME	11/01/13	
G	REVISED	02/01/15	
H	REVISED	05/05/15	
I	CHANGE OF EOR	11/10/16	
K	ADDRESS CHANGE	02/25/20	
L	2020 FBC UPDATE	07/05/20	

**Expiration Date** 02/24/2022

1. STUD WALL CONSTRUCTION STRUCTURAL MEMBERS MUST BE DESIGNED TO COMPLY WITH APPROVED DESIGN PRESSURE RATING WITH 283#/FT BASIS
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. HEAD SECTION CAN HAVE 4" FACE DIMENSION WHEN IT'S GROUTED FULL. 2" FACE HEAD WITHOUT GROUT REQUIRES (3) EXPANSION OR LAG BOLTS IN HEAD 6" FROM EACH JAMB AND EQUALLY SPACED.
4. ELEVATIONS SHOWN FROM INTERIOR FOR INSWING APPLICATIONS.



BEND RADIUS	
	
THIRD ANGLE PROJECTION	
DRAWN YMF	DATE 5/01/02
CHECKED	
APPROVED	
ENG. APPVL	

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

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

TITLE: STEELCRAFT H SERIES SINGLE FLUSH INSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS

## ANCHOR DETAILS / MOUNTING CONDITIONS

SIZE	FLAT	DWG NO.	776W-3	REV	L
SCALE:	NTS	AUTOCAD		SHT 6 OF 9	

AVAILABLE STEELCRAFT DOOR CONFIGURATIONS  
TABLE 1. (SEE NOTE 1.)

STEELCRAFT H SERIES DOOR TYPE	CORE MATERIAL PER SHT.7	MAXIMUM OPENING SIZE		SKIN MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
FLUSH	HONEYCOMB POLYSTYRENE POLYURETHANE	3'0"	7'0"	CRS GALV	16/.053" 14/.067"
STEEL STIFFENED	STEEL STIFFENED	3'0"	7'0"	CRS GALV	16/.053" 14/.067"
TEMPERATURE RISE CORE	MINERAL FIBER	3'0"	7'0"	CRS GALV	16/.053" 14/.067"
EMBOSSSED PANELS	POLYSTYRENE/ HONEYCOMB	3'0"	7'0"	GALV	16/.053"

AVAILABLE STEELCRAFT FRAME CONFIGURATIONS  
TABLE 2. (SEE NOTE 2.)

STEELCRAFT FRAME SERIES	JAMB DEPTH	MAXIMUM OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
F	5.75" NOM.	3'0"	7'0"	CRS/HRS GALV	16/.053" 14/.067" 12/.093"
MU	5.75" NOM.	3'0"	7'0"	CRS/HRS GALV	16/.053" 14/.067"

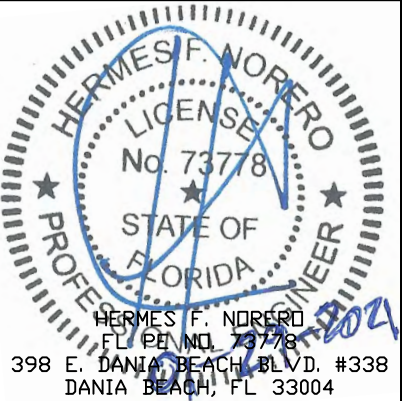
TABLE 3. STEEL DOOR/FRAME MECHANICAL PROPERTIES.

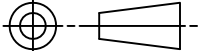
MATERIAL	ASTM REF.	DOOR		FRAME	
		YIELD KSi	TENSILE KSi	YIELD KSi	TENSILE KSi
CRS	ASTM A366	44.7 MIN.	50.2 MIN.	31.1 MIN.	41.5 MIN.
HRS	ASTM A1011	44.7 MIN.	50.2 MIN.	31.1 MIN.	41.5 MIN.
GALV: A60	ASTM A924	44.7 MIN.	50.2 MIN.	31.1 MIN.	41.5 MIN.

R E V I S I O N S			
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D	REVISED PER DC BCCO	01/07/11	
E	REVISED PER DC BCCO	01/17/12	
F	REVISED NAME	11/01/13	
G	REVISED	02/01/15	
H	CHANGE OF EOR	11/10/16	
K	ADDRESS CHANGE	02/25/20	
L	2020 FBC UPDATE	07/05/20	

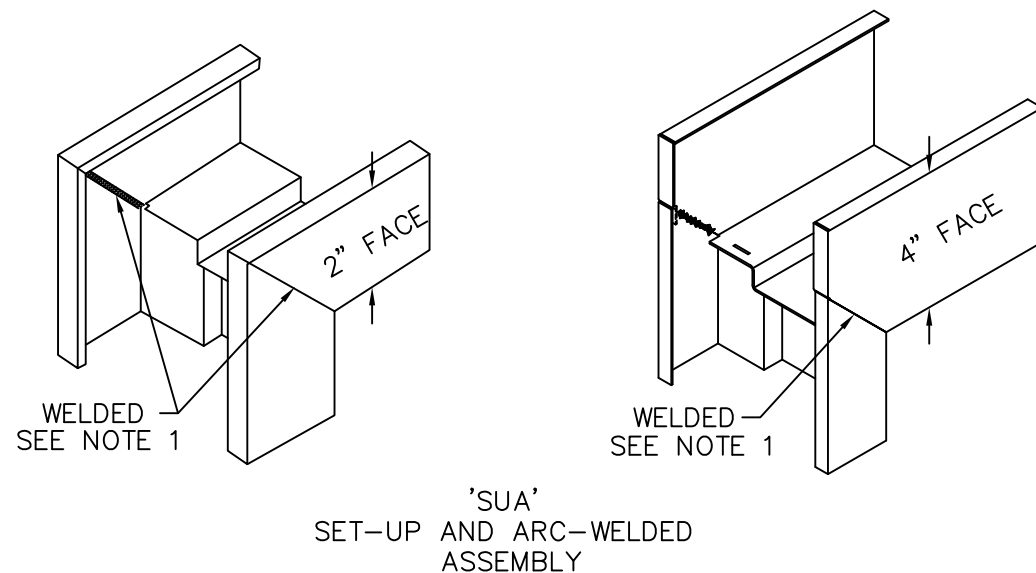
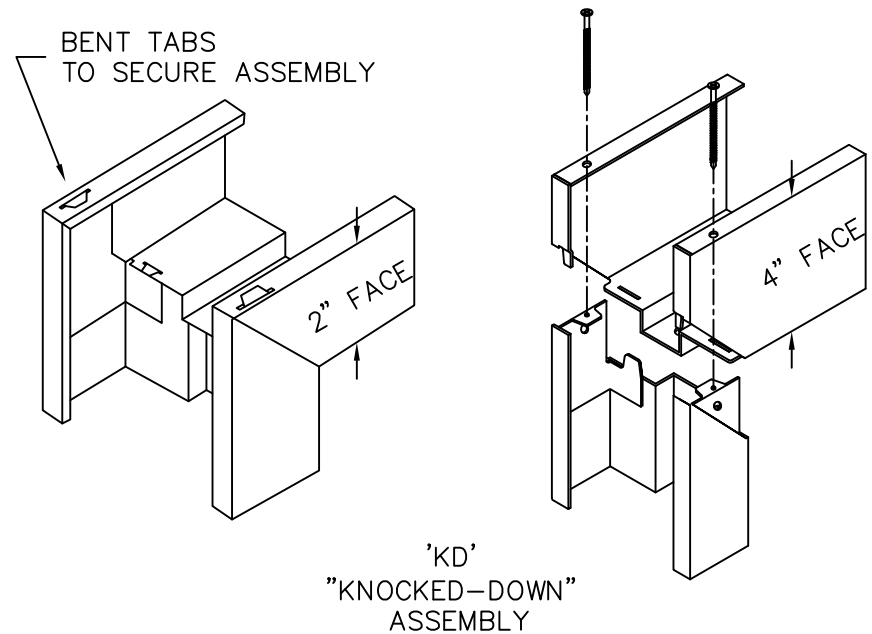
- NOTES:
1. DOOR CONSTRUCTION
- 1.1. NOMINAL DOOR THICKNESS – 1 3/4”
- 1.2. DOORS AVAILABLE IN FLAT AND EMBOSSSED SURFACE MODELS (SEE TABLE.1)
- 1.3. ALL DOORS ARE FLUSH – NO LITES OR LOUVERS APPROVED
- 1.4 DOOR VIEWERS ARE PERMITTED TO BE USED IN A DOOR WITH A DESIGN RATING OF +/-75 PSF OR LESS
2. FRAME CONSTRUCTION
- 2.1. NOMINAL JAMB DEPTH – 5 3/4”, STOP HEIGHT – 5/8”
- 2.2. FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULT-USE (MU-SERIES) (SEE TABLE.2)
3. FOR DOOR/FRAME MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 3.

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Miami-Dade Product Control

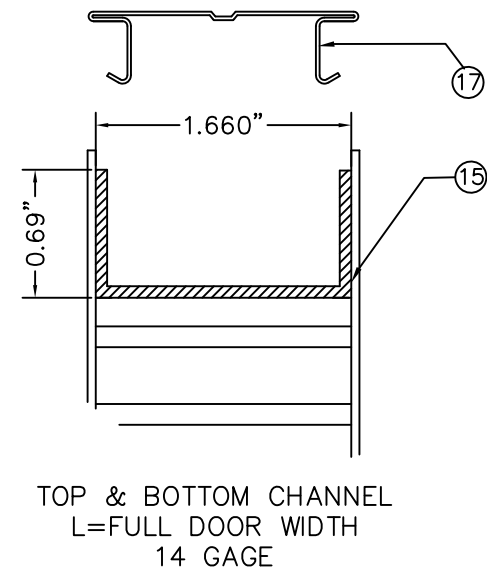
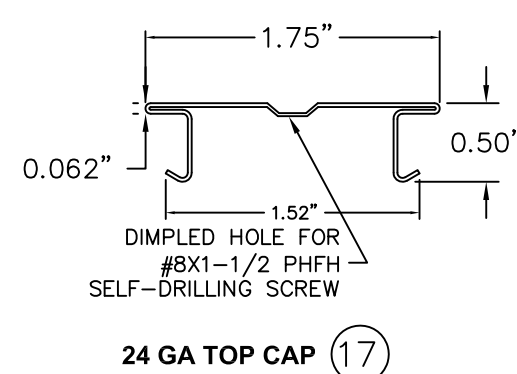
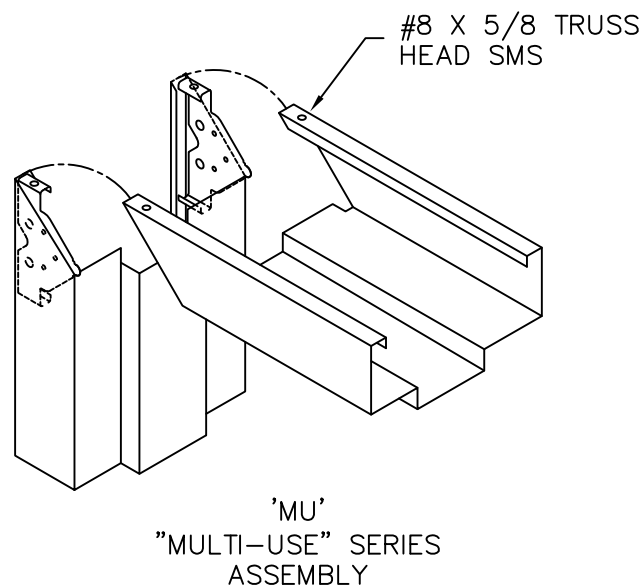
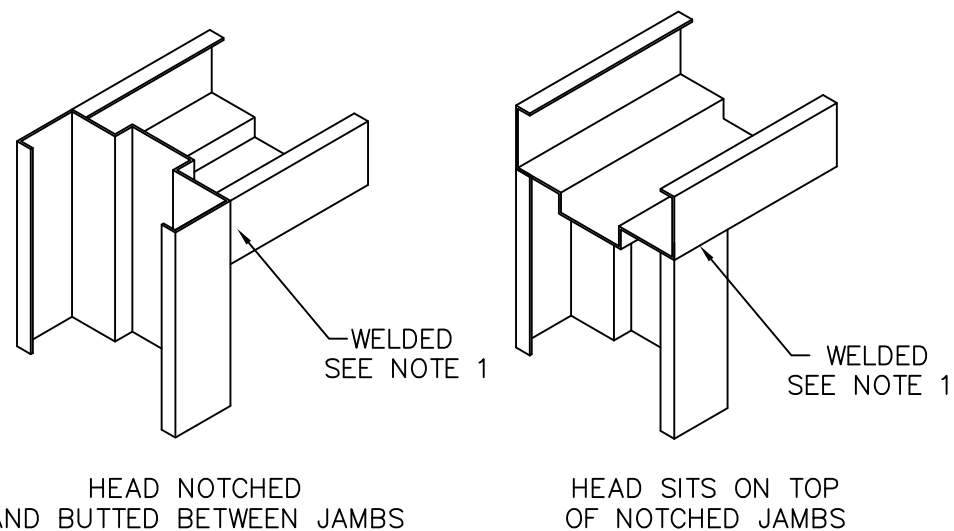


BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032				MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242					
											
THIRD ANGLE PROJECTION		TITLE STEELCRAFT H SERIES SINGLE FLUSH INSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS									
DRAWN YMF		DATE 5/01/02		DOOR AND FRAME CONFIGURATIONS AND MATERIAL SPECS. HIGH PRESSURE APPLICATIONS							
CHECKED											
APPROVED				SIZE		FLAT		DWG NO. 776W-3		REV L	
ENG. APPVL				SCALE:		NTS		AUTOCAD		SHT 7 OF 9	



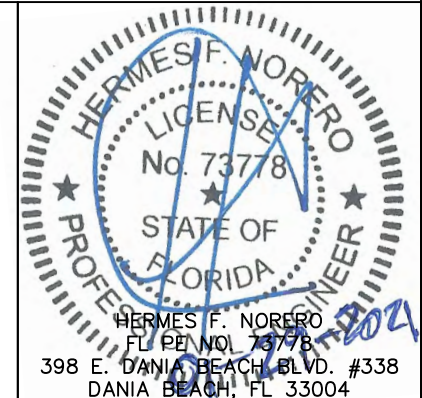
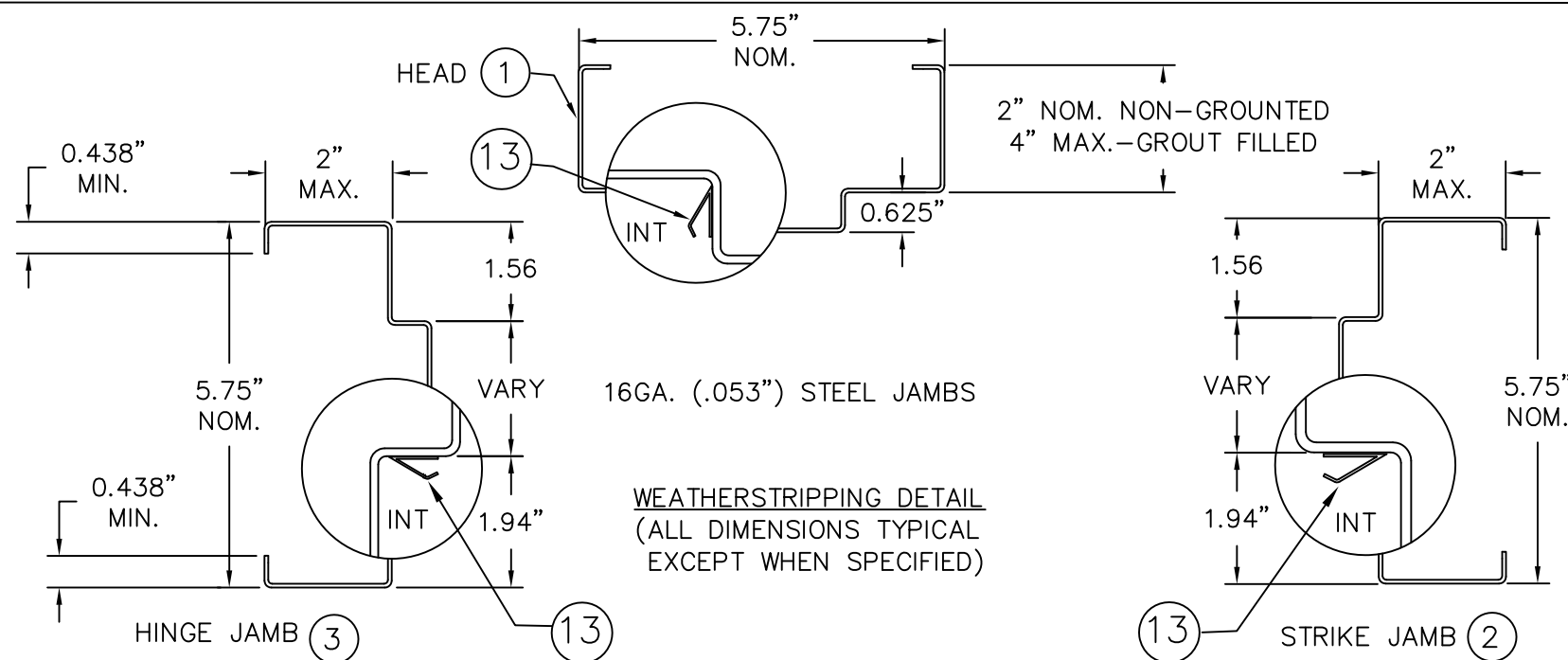


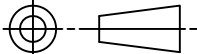
R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
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E	REVISED PER DC BCCO	01/17/12	
F	REVISED NAME	11/01/13	
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H	CHANGE OF EOR	11/10/16	
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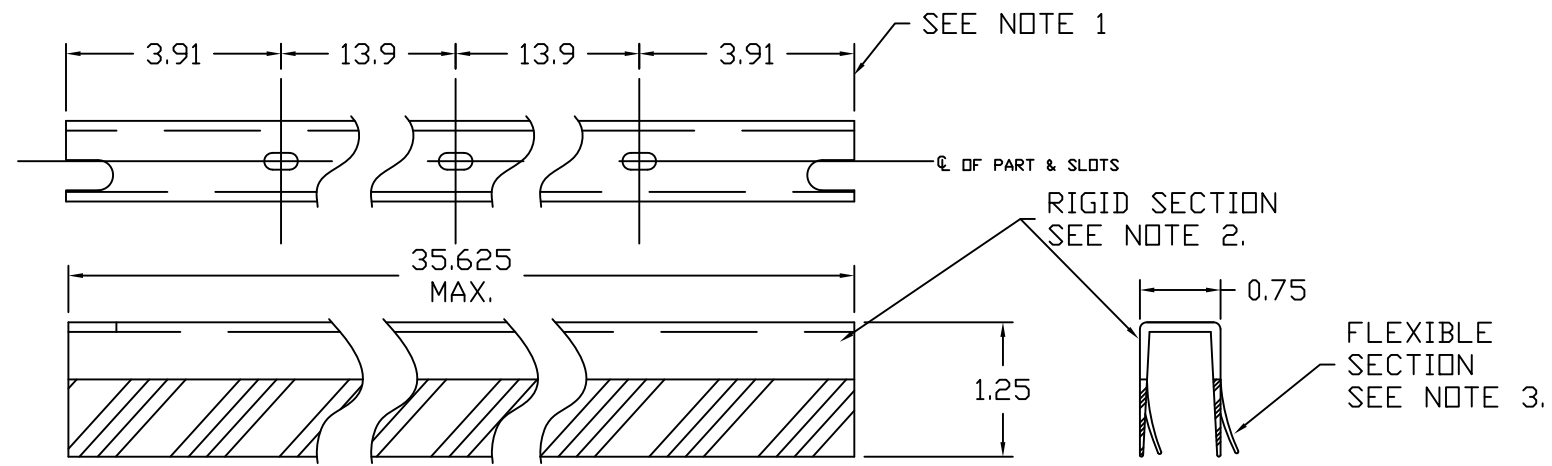


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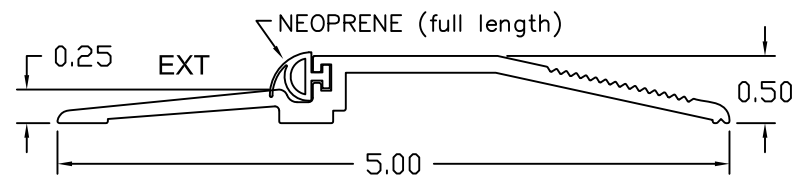
NOTES:  
1. CONTINUOUS BACK WELD WITH FULL PENETRATION TO FACE SEAM. GRIND, SMOOTH, PRIME, & PAINT.  
WELD CLASSIFICATION - E70XX



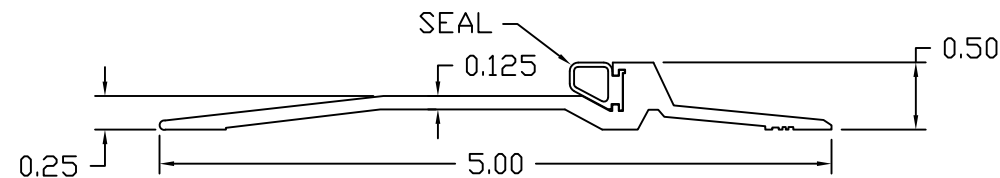
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
					
THIRD ANGLE PROJECTION		TITLE			
DRAWN	DATE	STEELCRAFT H SERIES SINGLE FLUSH INSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS  CORNER DETAILS AND WEATHERSTRIPPING ATTACHMENT FOR FLUSH FRAME AND MU FRAMES			
YMF	02/05/02				
CHECKED					
APPROVED		SIZE	FLAT	DWG NO.	REV
				776W-3	L
ENG. APPVL		SCALE:	NTS	AUTOCAD	SHT 8 OF 9



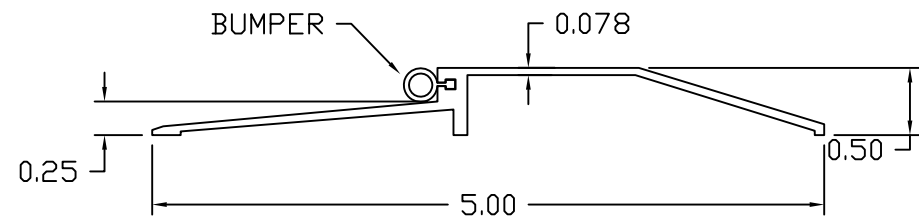
FAS-SEAL DOOR SWEEP (14)



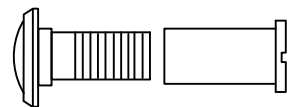
ZERO INT'L 566 SERIES THRESHOLD  
WITH NEOPRENE BUMPER  
6063-T5 ALUMINUM (11-3)



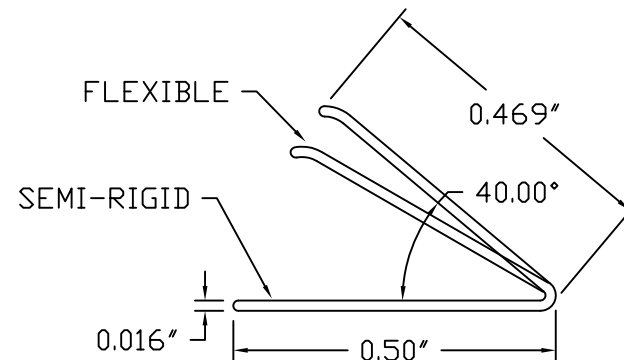
PEMKO 2005 SERIES THRESHOLD  
WITH SILICONE, VINYL  
OR PILE SEAL  
6063-T6 ALUMINUM (11-1)



NATIONAL GUARD 950 SERIES THRESHOLD  
WITH SILICONE, VINYL  
OR NEOPRENE BUMPER  
6063-T5 ALUMINUM (11-2)



(19) IVES 698/U698 DOOR VIEWER  
FOR DP < 75 PSF



PS-074  
SELF-ADHESIVE  
WEATHERSTRIPPING (13)

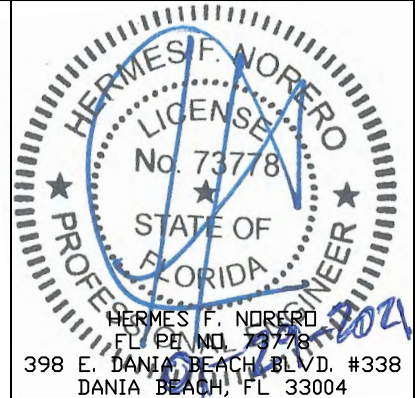
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Expiration Date 02/24/2022

By Ishag I. Chank  
Miami-Dade Product Control

NOTES:

1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH. (MAX. 36")
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  
73 DUROMETER - SHORE A SCALE



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
						
THIRD ANGLE PROJECTION		TITLE STEELCRAFT H SERIES SINGLE FLUSH INSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS				
DRAWN YMF	DATE 02/05/02	DOOR ACCESSORIES BOTTOM SWEEP THRESHOLDS AND WEATHERSTRIPPING				
CHECKED						
APPROVED		SIZE	FLAT	DWG NO.	776W-3	REV L
ENG. APPVL		SCALE:	NTS	AUTOCAD		SHT 9 OF 9