



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 were allowed by the Authority Having Jurisdiction (AHJ).

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

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

**DESCRIPTION: Steelcraft H Series Single Flush Outswing Commercial Steel Door (Mortise Lock w/dead bolt)**

**APPROVAL DOCUMENT:** Drawing No **776W-2 Rev N**, titled "Steelcraft H series Single Door (outswing)", sheets 1 through 9 of 9, prepared by Building Drops, Inc., dated 05-01-02 and last revised on 01/29/20, 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** of the drawings.
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 #20-0310.03** 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. 20-1005.13**  
**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 files listed below).
2. Drawing No **776W-2 Rev K**, titled "Steelcraft H series Single Door (outswing)", 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 #15-0427.05 /#13-1217.12/#11-0921.11/ #10-1206.01 /#09-0929.04)**

1. Test report on

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

Along with manufacturer's parts and section drawings of Single 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.

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

*Ishaq I. Chanda*

**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-0310.03**

**Expiration Date: February 24, 2022**  
**Approval Date: April 23, 2020**

**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 (#13-1217.12/#11-0921.11/ #10-1206.01 /#09-0929.04)**

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, all the balanced other 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  
Ishaq I. Chanda, P.E.  
Product Control Unit Supervisor  
NOA No. 20-1015.13  
Expiration Date: February 24, 2022  
Approval Date: February 11, 2021

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

1. This NOA **revises & renews NOA #15-0427.05**, expiring on 02/24/22.
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 previous NOA.**

**A. DRAWINGS**

1. Drawing No **776W-2 Rev L**, titled "Steelcraft H series Single Door (outswing)", 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. CALCULATIONS**

1. None

**C. QUALITY ASSURANCE**

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

**D. MATERIAL CERTIFICATIONS**

1. None.

**E. 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

**F. OTHER**

1. This NOA **revises NOA # 16-1206.05**, expiring 02/24/22.

**3. New Evidence submitted.**

**A. DRAWINGS**

1. Drawing No **776W-2 Rev N**, titled "Steelcraft H series Single Door (outswing)", sheets 1 through 9 of 9, prepared by Building Drops, Inc., dated 05-01-02 and last revised on 01/29/20, 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 previous submittal)

1. None

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-1015.13**  
**Expiration Date: February 24, 2022**  
**Approval Date: February 11, 2021**

**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 2020 (7<sup>th</sup> Edition) dated 09/13/20, prepared by Building Drops, In., 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 # 20-0310.03, expiring 02/24/22.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 20-1015.13**  
**Expiration Date: February 24, 2022**  
**Approval Date: February 11, 2021**

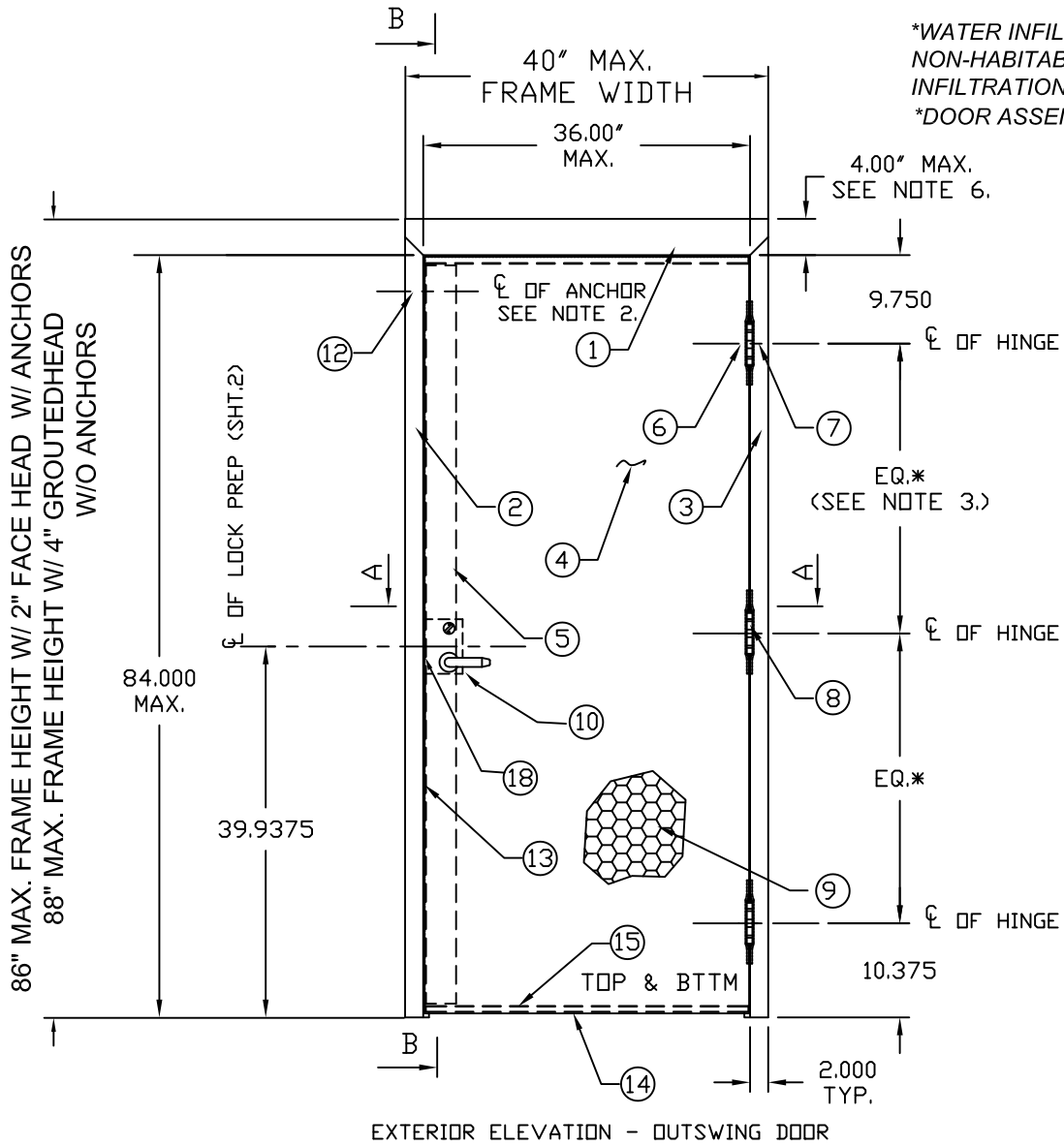
GENERAL NOTES:

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 (OUTSWING DOOR)			IMPACT RATING
LOCK/STRIKE PLATE OPTION	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS <u>NOT</u> 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.

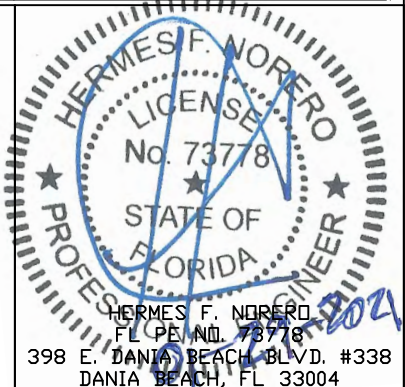
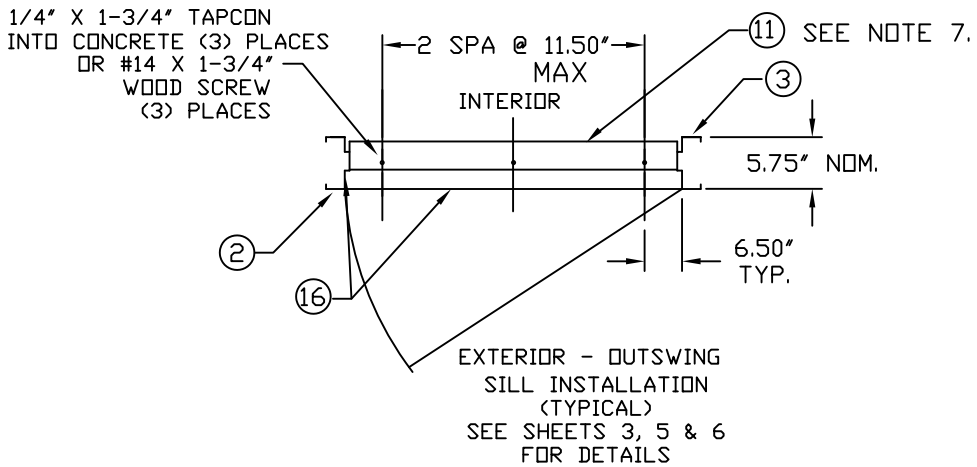
R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	02/25/03	
H	REVISED NAME	11/01/13	
J	REVISED	05/05/15	
K	CHANGE OF EOR	11/11/16	
L	2017 FBC UPDATE	09/20/17	
M	ADDRESS UPDATE	02/27/20	
N	2020 FBC UPDATE	07/03/20	

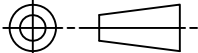


**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 20-1005.13  
Expiration Date 02/24/2022  
By *Ishag I. Chande*  
Miami-Dade Product Control

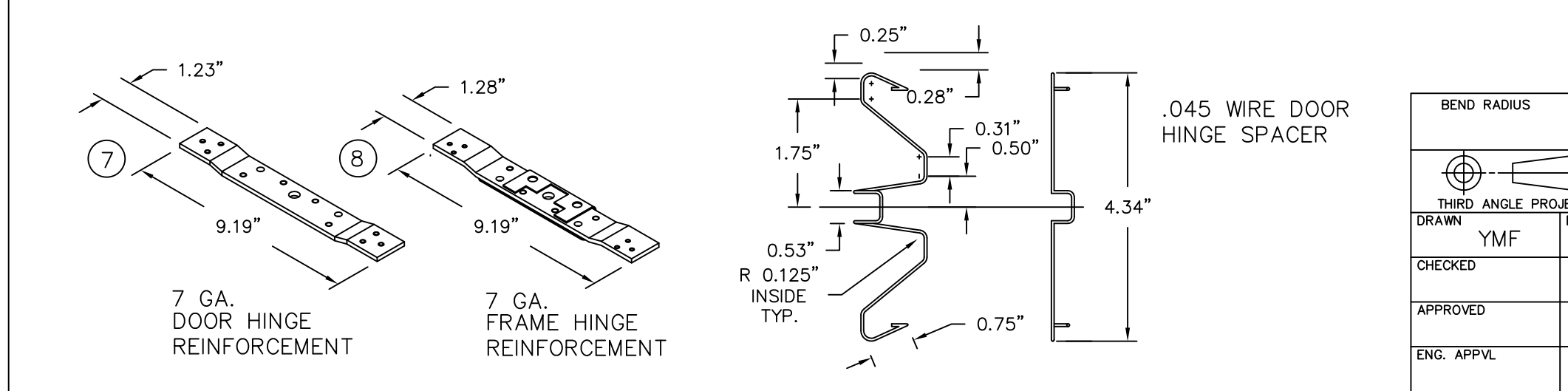
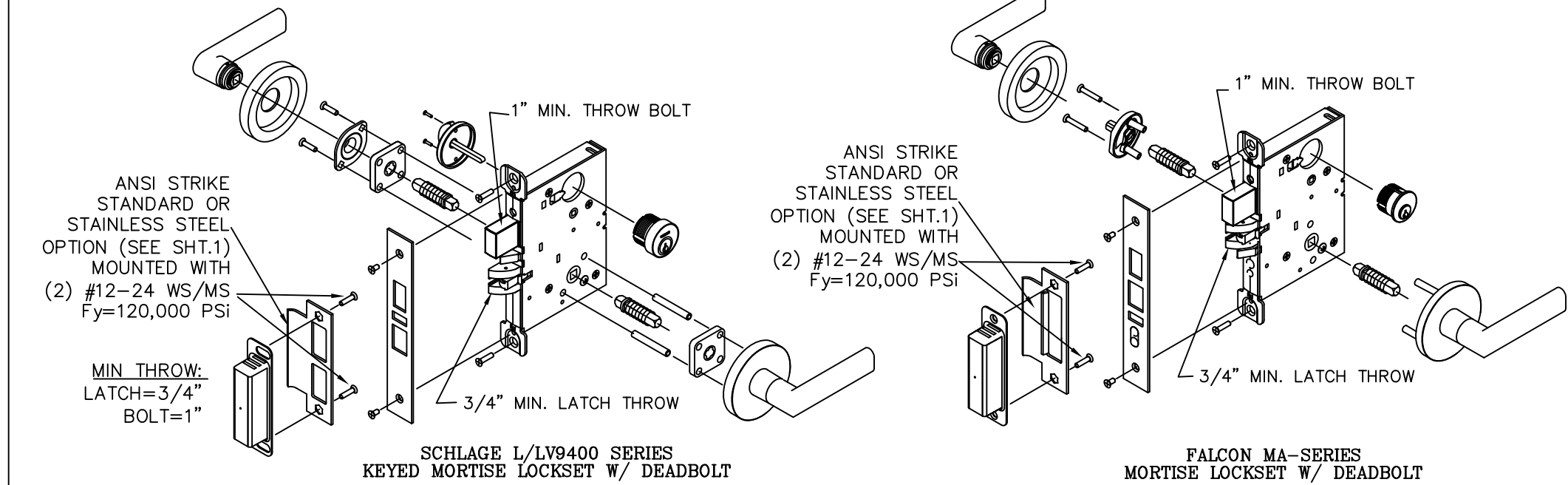
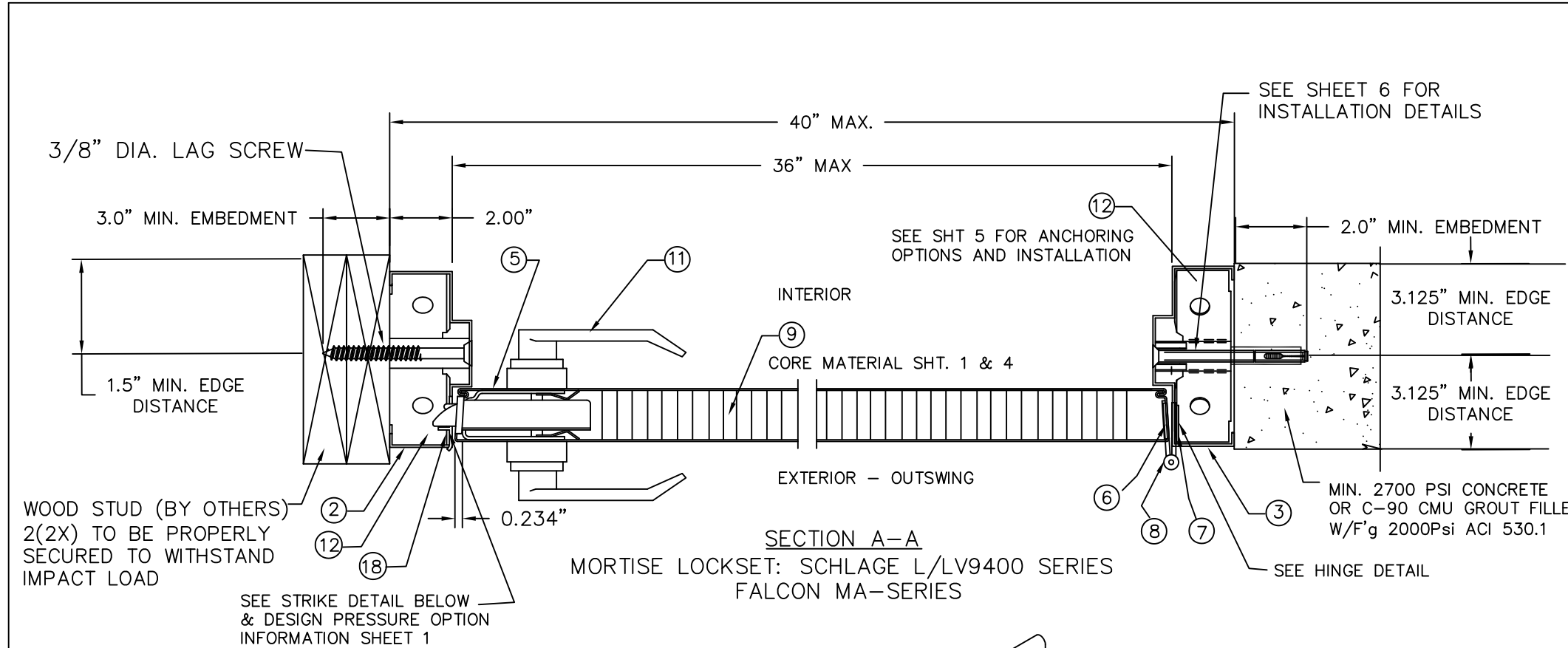
ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD SEE SHT 3 & 8. ASTM A366	.053" MIN. STL	MAX. 40"
2	1	STRIKE JAMB. SEE SHT 8. ASTM A366	.053" MIN. STL	MAX. 86"-88"
3	1	HINGE JAMB SEE SHT 8. ASTM A366	.053" MIN. STL	MAX. 86"-88"
4	1	DOOR SLAB	SEE SHT 7	3'0"(36") X 7'0"(84") MAX.
5	1	LOCK SIDE REINFORCEMENT 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)	.134 MIN.	(4) #12-24 MS PER HINGE
		OPTIONAL CONTINUOUS HINGE (SEE SHT.3)	.075" MIN.STL / .11 ALUM.	MAX. 84"
9	1	CORE MATERIAL:	SEE SHEET 4	35.66" X 81.5" MAX.
		D) HONEYCOMB C) STEEL STIFFENED		
		A&F) POLYSTYRENE B&F) POLYURETHANE		
		E) MINERAL BOARD TEMPERATURE RISE CORE		
10	1	LOCKING HARDWARE - LOCKSET	SEE SHEET 2	
		1) SCHLAGE L/LV9400 SERIES MORTISE LOCK W/DEADBOLT		
		2) FALCON MA-SERIES MORTISE LOCK W/ DEADBOLT		
11	1	THRESHOLD SILL W/BUMPER GASKET. SHT.9	.125" ALUM. 6063 T5 .078" ALUM. 6063 T5	5.5" X 0.5" X 36" MAX
		1) PEMKO 2005AS 3) ZERO 566A		
		2) NAT'L GUARD 950A		
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:
- ONE ROW OF PS074 WEATHERSTRIPPING PER JAMB AND HEAD. INSTALL PER SHEET 8
  - ANCHORING REQUIREMENTS:  
SEE SHEETS 1, 5 AND 6 FOR APPROVED ANCHOR AND INSTALLATION REQUIREMENTS.
  - 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
  - SEE SHEET 7 FOR AVAILABLE STANDARD DOOR / FRAME CONFIGURATIONS.
  - HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
  - 4" FACE HEAD IS AVAILABLE WHEN FRAME IS GROUTED WITH CONCRETE,  
TO MAX FRAME HEIGHT SHOWN.
  - APPLY CAULK AS NEEDED.
  - PRODUCT IS NOT APPROVED WHERE WATER INFILTRATION REQUIREMENT IS NEEDED

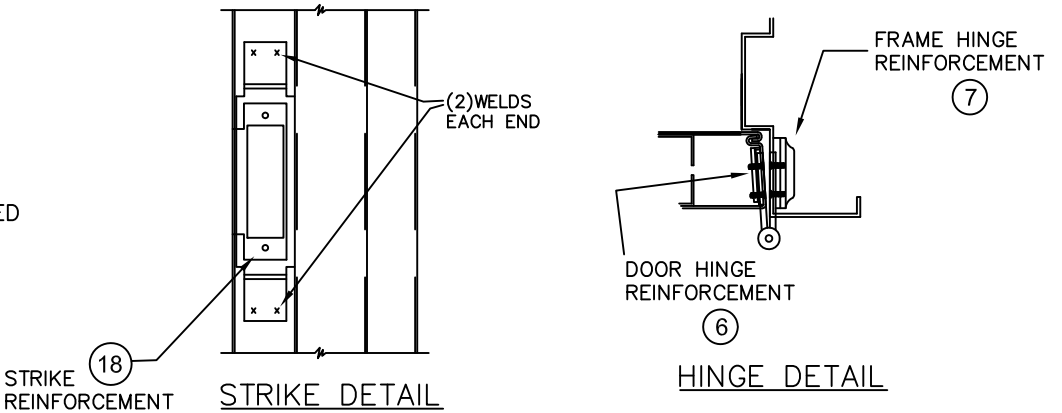


BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div>		<div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>	
					
THIRD ANGLE PROJECTION		TITLE STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS			
DRAWN	DATE	<div>STEELCRAFT H SERIES SINGLE DOOR (OUTSWING) WITH MORTISE LOCK HIGH PRESSURE APPLICATIONS</div>			
YMF	5/01/02				
CHECKED					
APPROVED		SIZE	FLAT	DWG NO.	REV
				776W-2	N
ENG. APPVL		SCALE:	NTS	AUTOCAD	SHEET 1 OF 9





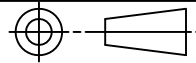
R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
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G	REVISED PER DC BCCO	01/17/12	
H	REVISED NAME	01/17/12	
J	REVISED NAME	05/05/15	
K	CHANGE OF EOR	11/11/16	
M	ADDRESS UPDATE	02/27/20	
N	2020 FBC UPDATE	07/03/20	

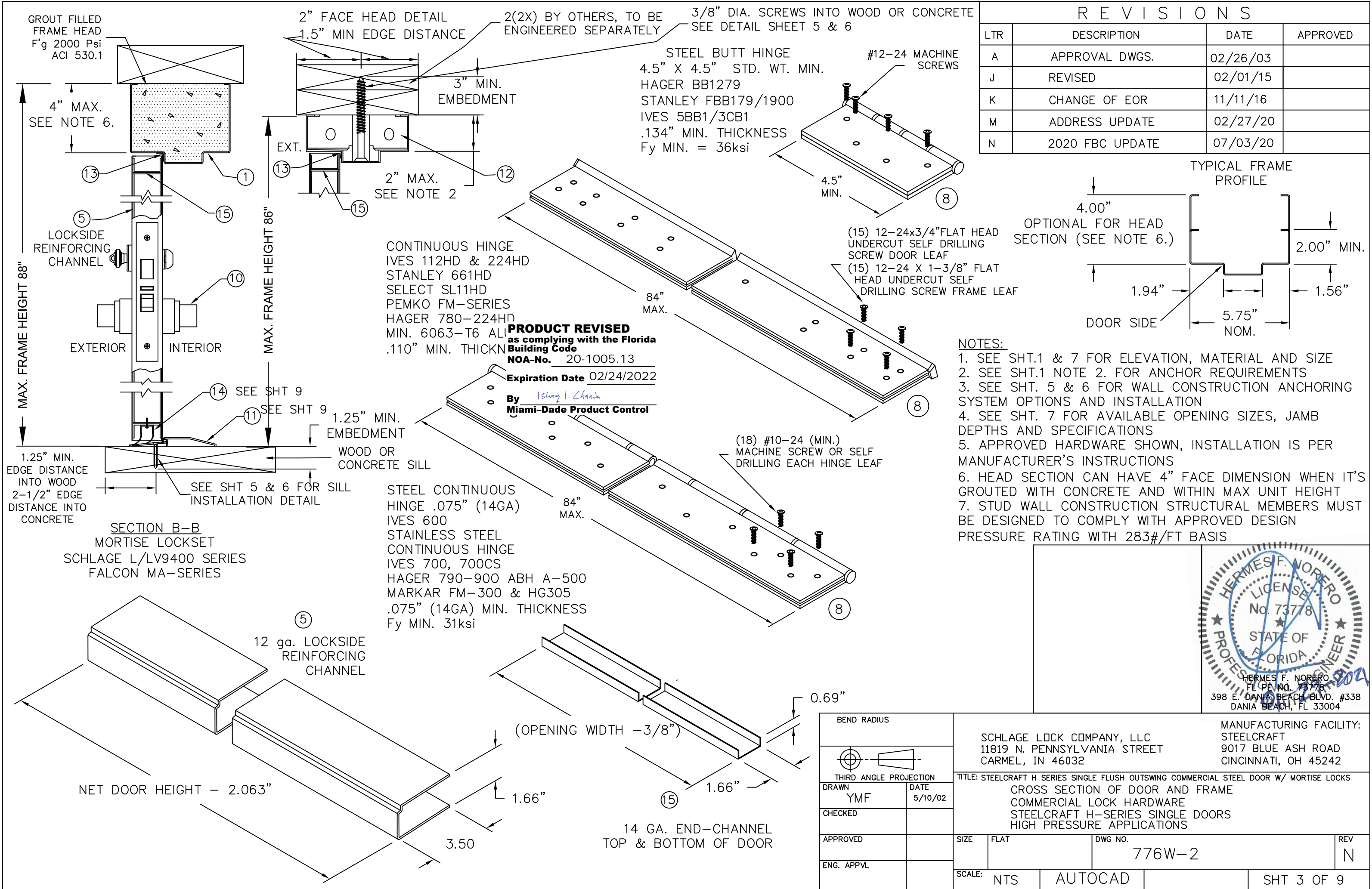


- NOTES:
- 1. SEE SHT.1 & 7 FOR ELEVATION, MATERIAL AND SIZE
  - 2. SEE SHT. 5 & 6 FOR WALL CONSTRUCTION, ANCHORING SYSTEM OPTIONS AND INSTALLATION.
  - 3. SEE SHT. 7 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
  - 4. APPROVED HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 20-1005.13  
Expiration Date 02/24/2022  
By *Ishag I. Chank*  
Miami-Dade Product Control

HERMES F. NORERO  
LICENSE  
No. 73778  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
HERMES F. NORERO  
FL PE NO. 73778  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004

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



GROUT FILLED  
FRAME HEAD  
F'g 2000 Psi  
ACI 530.1

4" MAX.  
SEE NOTE 6.

MAX. FRAME HEIGHT 88"

LOCKSIDE  
REINFORCING  
CHANNEL

EXTERIOR INTERIOR

MAX. FRAME HEIGHT 86"

1.25" MIN.  
EDGE DISTANCE  
INTO WOOD  
2-1/2" EDGE  
DISTANCE INTO  
CONCRETE

SEE SHT 5 & 6 FOR  
INSTALLATION DETAIL

1.25" MIN.  
EMBEDMENT

WOOD OR  
CONCRETE SILL

12 ga. LOCKSIDE  
REINFORCING  
CHANNEL

NET DOOR HEIGHT - 2.063"

3.50

(OPENING WIDTH - 3/8")

14 GA. END-CHANNEL  
TOP & BOTTOM OF DOOR

2" FACE HEAD DETAIL  
1.5" MIN EDGE DISTANCE

2(2X) BY OTHERS, TO BE  
ENGINEERED SEPARATELY

3/8" DIA. SCREWS INTO WOOD OR CONCRETE  
SEE DETAIL SHEET 5 & 6

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

#12-24 MACHINE  
SCREWS

3" MIN.  
EMBEDMENT

EXT.

2" MAX.  
SEE NOTE 2

CONTINUOUS HINGE  
IVES 112HD & 224HD  
STANLEY 661HD  
SELECT SL11HD  
PEMCO FM-SERIES  
HAGER 780-224HD  
MIN. 6063-T6 AL  
.110" MIN. THICKN

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 20-1005.13

Expiration Date 02/24/2022

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

STEEL CONTINUOUS  
HINGE .075" (14GA)  
IVES 600  
STAINLESS STEEL  
CONTINUOUS HINGE  
IVES 700, 700CS  
HAGER 790-900 ABH A-500  
MARKAR FM-300 & HG305  
.075" (14GA) MIN. THICKNESS  
Fy MIN. 31ksi

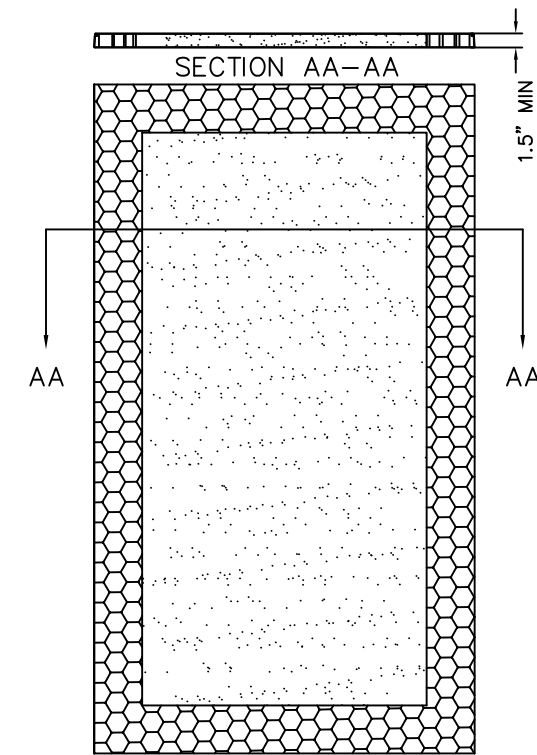
(18) #10-24 (MIN.)  
MACHINE SCREW OR SELF  
DRILLING EACH HINGE LEAF

0.69"

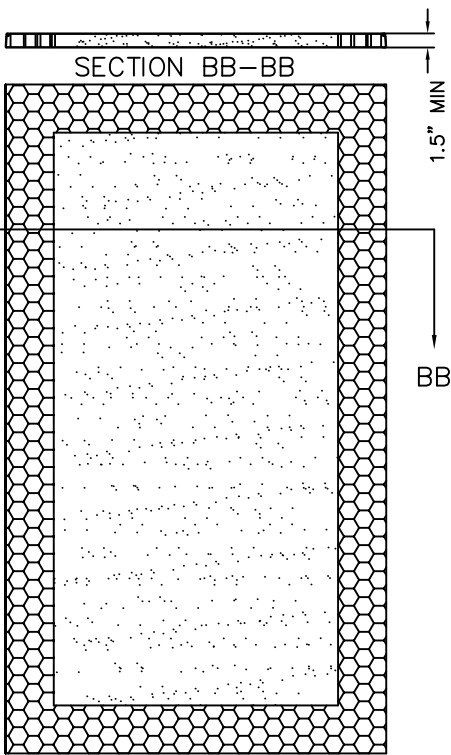
BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN YMF	DATE 5/10/02
CHECKED	
APPROVED	
ENG. APPVL	

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 OUTSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS CROSS SECTION OF DOOR AND FRAME COMMERCIAL LOCK HARDWARE STEELCRAFT H-SERIES SINGLE DOORS HIGH PRESSURE APPLICATIONS					
SIZE	FLAT	DWG NO.			REV
		776W-2			N
SCALE:	NTS	AUTOCAD		SHT 3 OF 9	

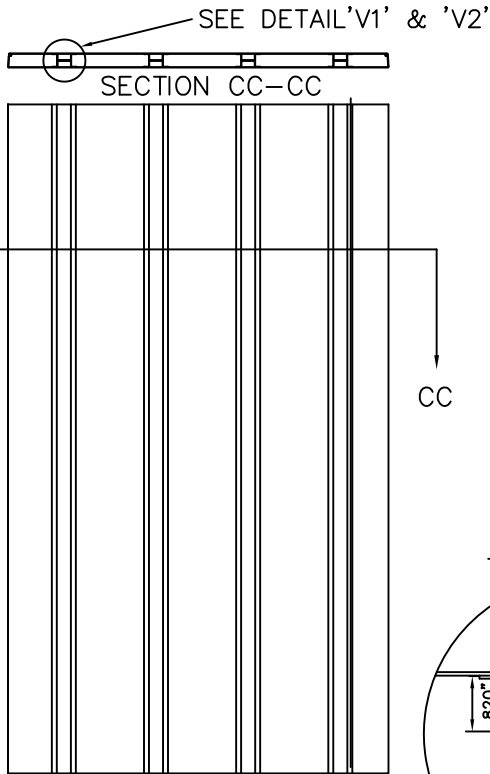




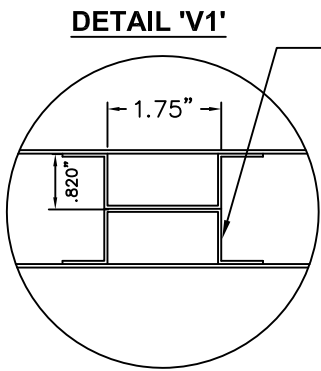
(A) EXPANDED POLYSTYRENE FOAM  
BY ATLAS EPS  
DENSITY: 1.0 LBS/FT<sup>3</sup>



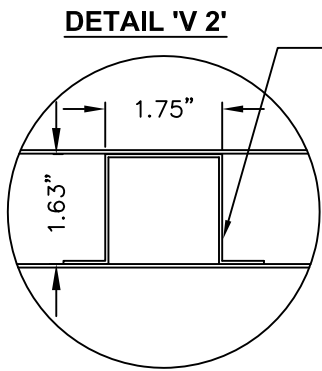
(B) POLYISOCYANURATE  
(POLYURETHANE)  
BY ELLIOT CO. OF  
INDIANAPOLIS, IN  
DENSITY: 2 LBS/FT<sup>3</sup>



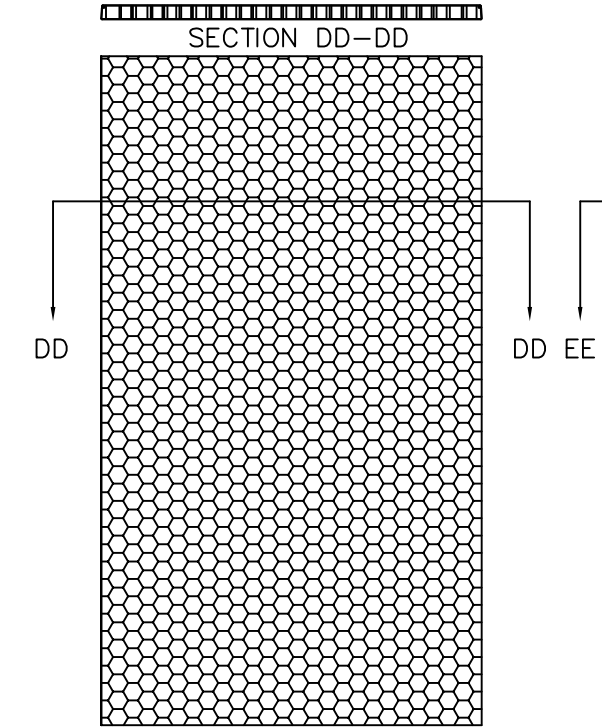
(C) STEEL STIFFENED  
HAT SHAPED SECTIONS  
20 GA. MIN.



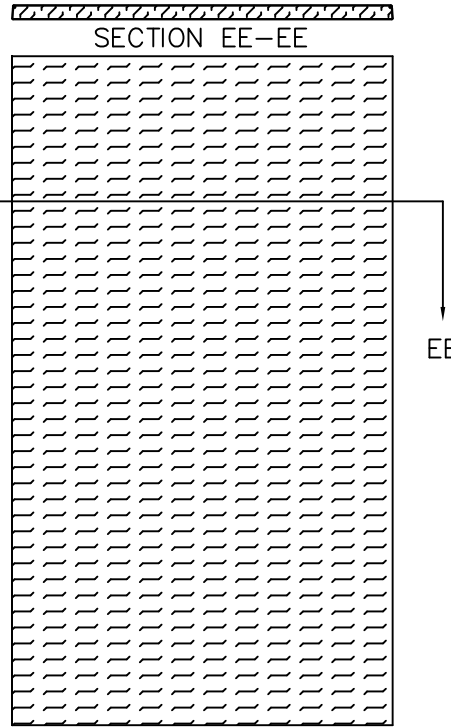
DETAIL 'V1'  
20GA. HAT SHAPED  
STIFFENERS SPOTWELDED  
6" O.C. TO INSIDE OF  
FACE SHEETS AND  
WELDED TOGETHER  
AT TOP AND BOTTOM



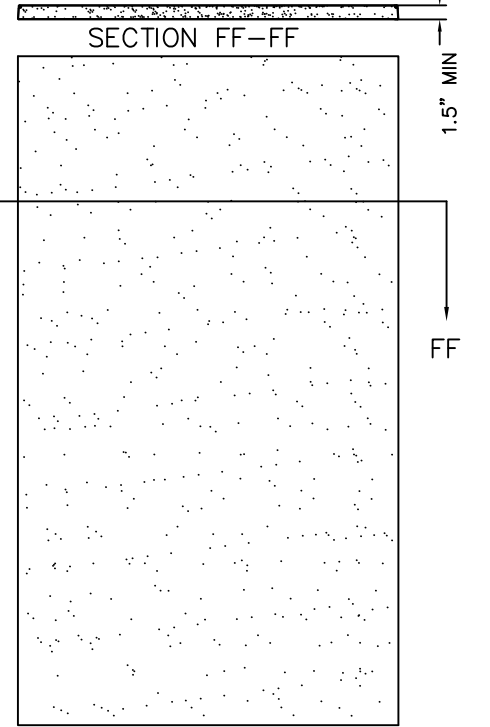
DETAIL 'V 2'  
20GA. HAT SHAPED  
STIFFENERS SPOTWELDED  
6" O.C. TO INSIDE OF  
ONE FACE SHEET  
AND BONDED TO THE  
OTHER FACE



(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

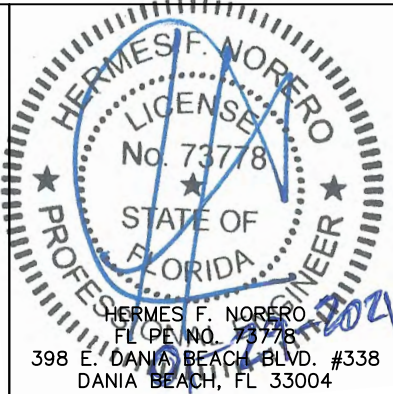


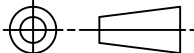
(F) EXPANDED POLYSTYRENE FOAM  
BY ATLAS EPS, DENSITY: 1.0 LB/FT<sup>3</sup>  
OR POLYISOCYANURATE  
(POLYURETHANE)  
BY ELLIOT CO. OF INDIANAPOLIS, IN  
DENSITY: 2 LBS/FT<sup>3</sup>

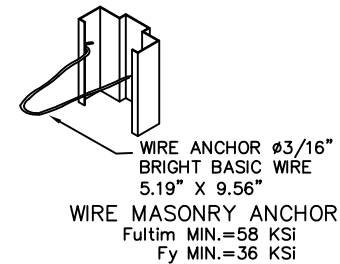
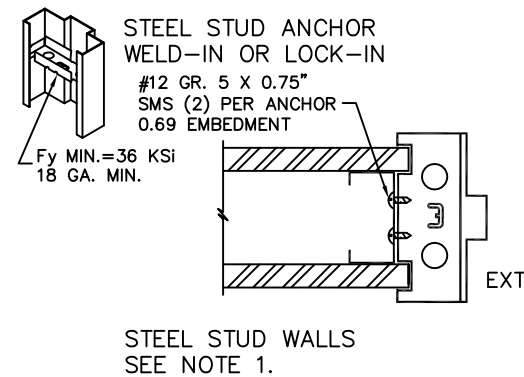
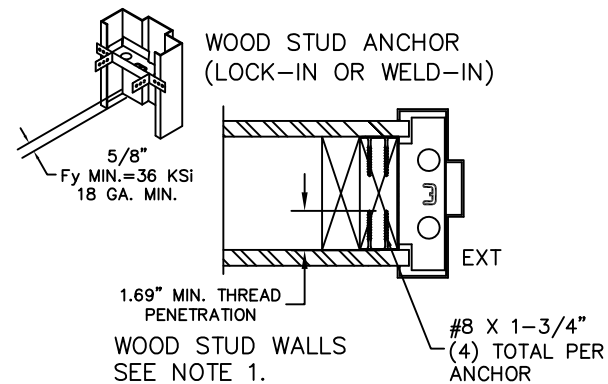
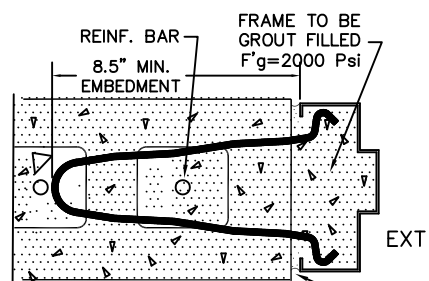
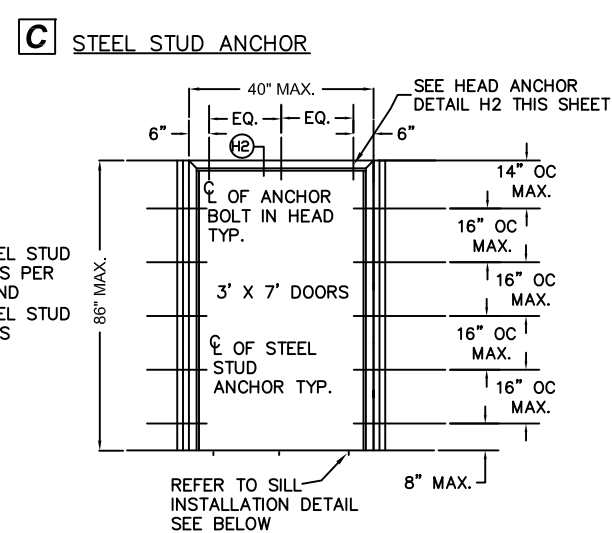
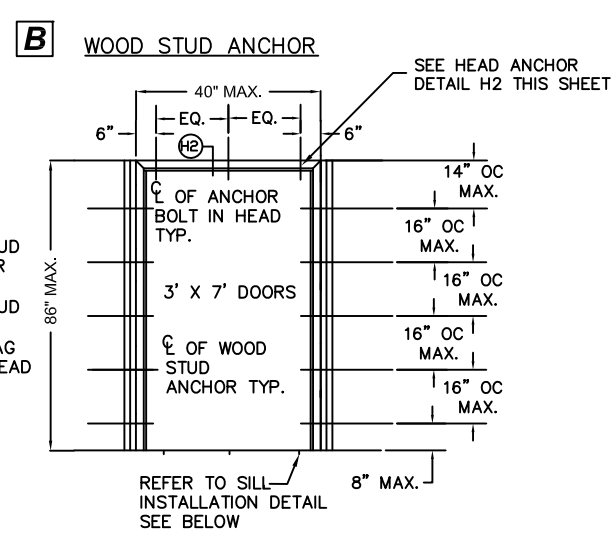
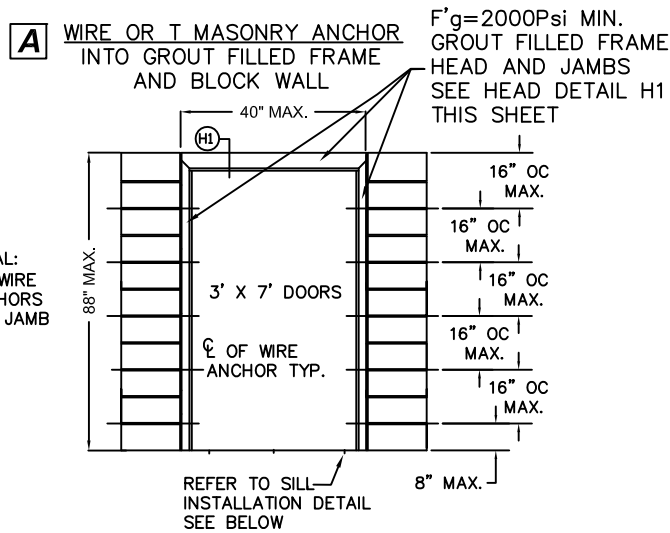
DOOR WIDTH	'V1' STIFFENERS
3'-0"	8

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

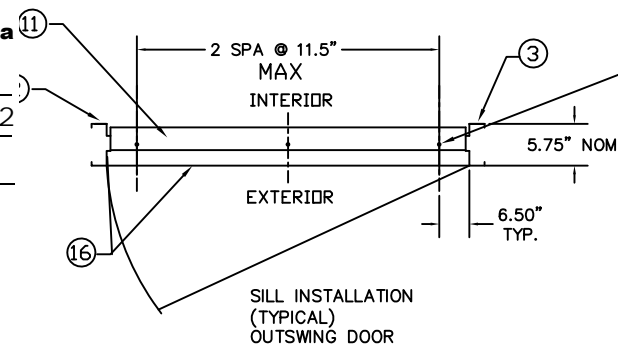
NOTE:  
CORE MATERIAL SHOWN  
WITHOUT HARDWARE REINFORCEMENTS



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:					
DRAWN YMF		DATE 5/01/02		STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS			
CHECKED		DOOR CORE MATERIAL OPTIONS					
APPROVED		SIZE	FLAT	DWG NO. 776W-2		REV N	
ENG. APPVL		SCALE:	NTS	AUTOCAD			SHT 4 OF 9



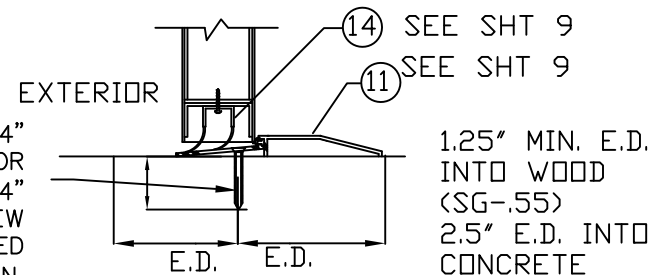
**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 20-1005.13  
Expiration Date 02/24/2022  
By Ishag I. Chank  
Miami-Dade Product Control



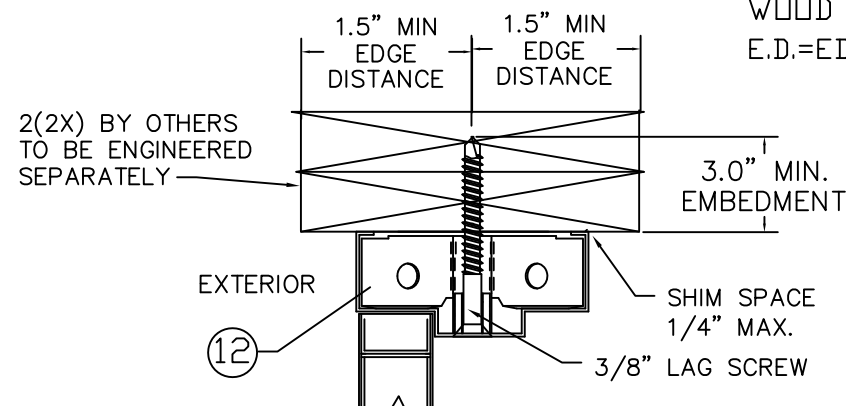
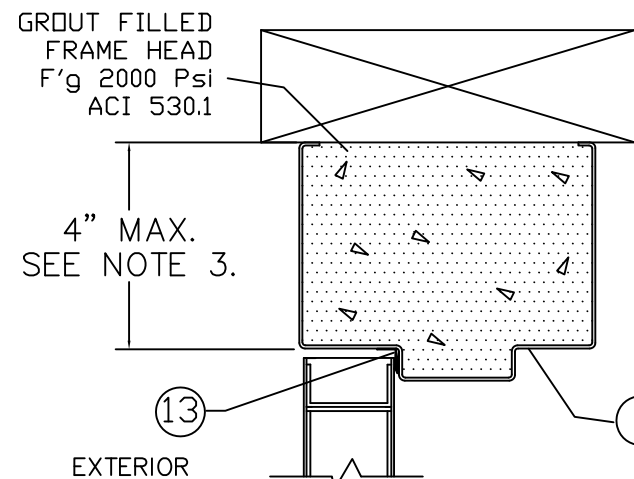
1/4" X 1-3/4" TAPCON INTO CONCRETE (3) PLACES W/ 2-1/2" EDGE DISTANCE AND 1-1/4" MIN. EMBEDMENT OR #14 X 1-3/4" WOOD SCREW (3) PLACES W/ 1-1/4" EDGE DISTANCE AND 1-1/4" MIN. EMBEDMENT

NOTES:  
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 EXTERIOR FOR OUTSWING APPLICATIONS.

1/4" X 1-3/4" TAPCON OR #14 X 1-3/4" WOOD SCREW AS REQUIRED 1.25" MIN. EMBEDMENT



SILL DETAIL (SIDEVIEW)  
WOOD OR CONCRETE SILL  
E.D.=EDGE DISTANCE

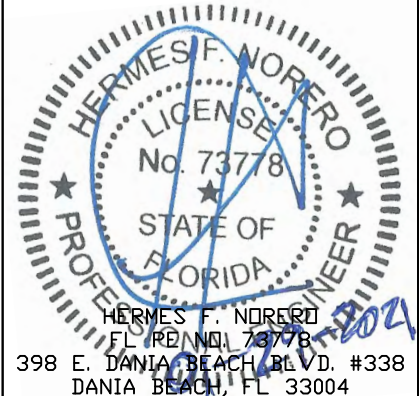


HEAD ANCHOR DETAIL (H2)

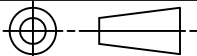
HEAD WITHOUT ANCHOR DETAIL (H1)

# REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	02/26/03	
F	REVISED PER DC BCCD	01/07/11	
G	REVISED PER DC BCCD	01/17/12	
H	REVISED NAME	11/01/13	
J	REVISED	02/01/15	
K	REVISED	05/05/15	
L	CHANGE OF EDR	11/11/16	
M	ADDRESS UPDATE	02/27/20	
N	2020 FBC UPDATE	07/03/20	



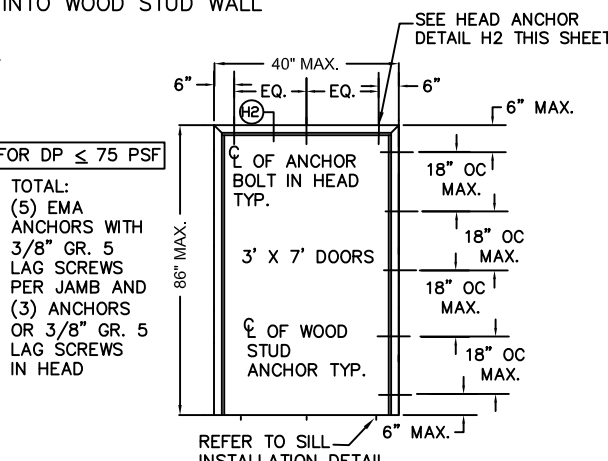
HERMES F. NORERO  
FL REG NO. 73778  
398 E. DANIA BEACH BLVD. #338  
DANIA BEACH, FL 33004

BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div> <div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>			
					
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS			
DRAWN YMF	DATE 5/01/02	ANCHOR DETAILS / MOUNTING CONDITIONS			
CHECKED					
APPROVED		SIZE	FLAT	DWG NO. 776W-2	REV N
ENG. APPVL		SCALE: NTS	AUTOCAD		SHT 5 OF 9




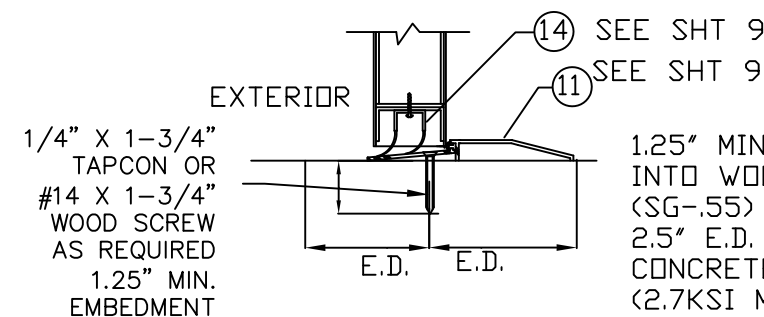
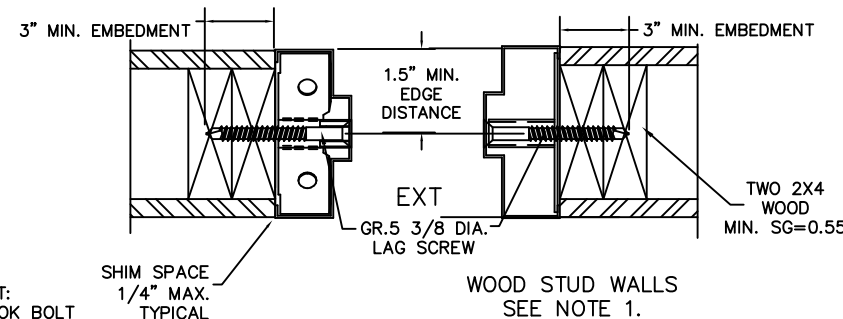
**E** EXISTING MASONRY ANCHOR (EMA)  
WITH LAG BOLT INTO WOOD STUD WALL

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	02/26/03	
F	REVISED PER DC BCCD	01/07/11	
G	REVISED PER DC BCCD	01/17/12	
H	REVISED NAME	11/01/13	
J	REVISED	02/01/15	
K	REVISED	05/05/15	
L	CHANGE OF EDR	11/11/16	
M	ADDRESS UPDATE	02/27/20	
N	2020 FBC UPDATE	07/03/20	

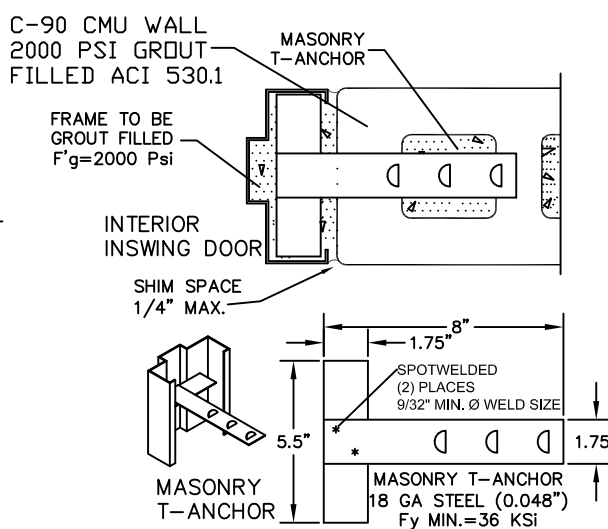


CMU  
TOTAL: (6) EMA ANCHORS PER JAMB


 12 JAMB  
WELD-IN



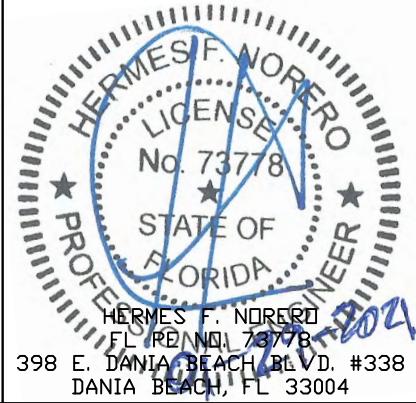
SILL DETAIL (SIDEVIEW)  
WOOD OR CONCRETE SILL  
E.D.=EDGE DISTANCE

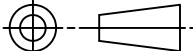


NOTES:

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 EXTERIOR FOR OUTSWING APPLICATIONS.

By Ishaq I. Chande  
Miami-Dade Product Control



BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032		MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242	
		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS			
THIRD ANGLE PROJECTION		ANCHOR DETAILS / MOUNTING CONDITIONS			
DRAWN YMF	DATE 5/01/02				
CHECKED					
APPROVED		SIZE	FLAT	DWG NO. 776W-2	REV N
ENG. APPVL		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.4	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”

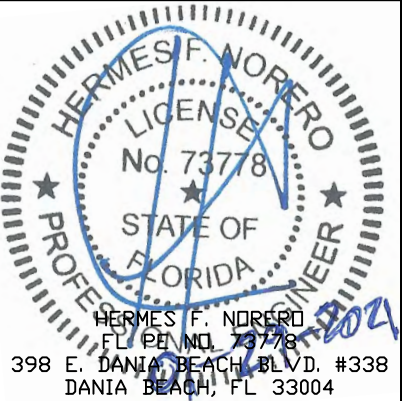
TABLE 3. STEEL DOOR/FRAME MECHANICAL PROPERTIES.

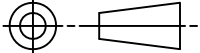
MATERIAL	ASTM REF.	DOOR		FRAME	
		YIELD KSi	TENSILE KSi	YIELD KSi	TENSILE KSi
CRS	ASTM A366	44.7 MIN.	50.2 MIN.	31.1 MIN.	41.5 MIN.
HRS	ASTM A1011	44.7 MIN.	50.2 MIN.	31.1 MIN.	41.5 MIN.
GALV: A60	ASTM A924	44.7 MIN.	50.2 MIN.	31.1 MIN.	41.5 MIN.

R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	02/26/03	
F	REVISED PER DC BCCO	01/07/11	
G	REVISED PER DC BCCO	01/17/12	
H	REVISED NAME	11/01/13	
J	REVISED	02/01/15	
K	REVISED	05/05/15	
L	CHANGE OF EOR	11/11/16	
M	ADDRESS UPDATE	02/27/20	
N	2020 FBC UPDATE	07/03/20	

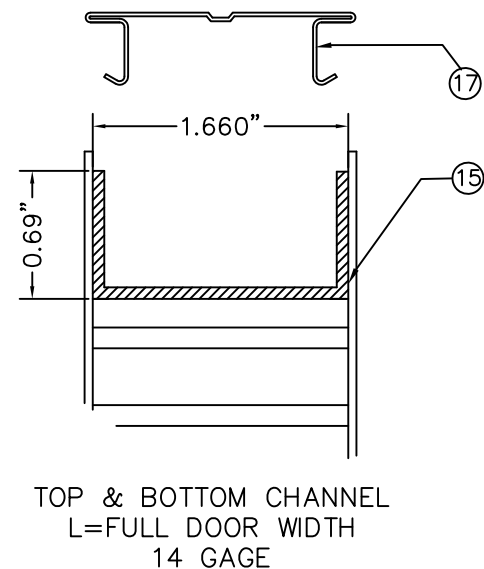
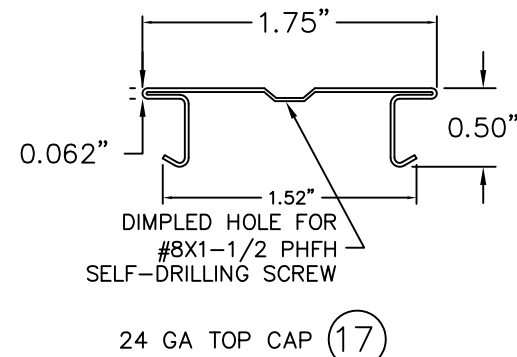
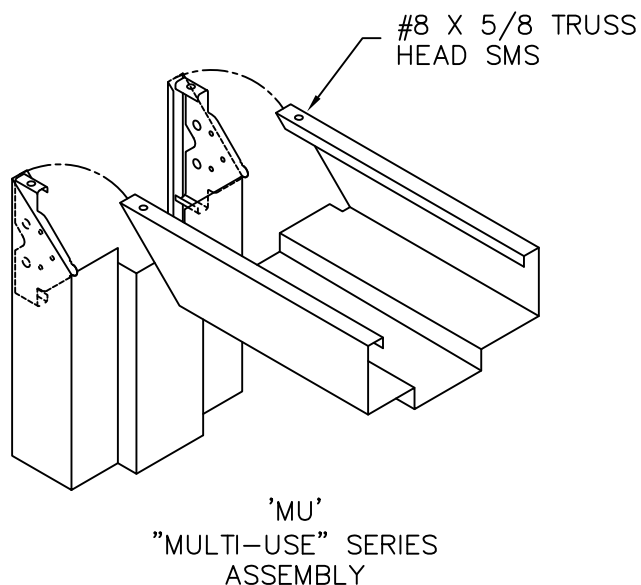
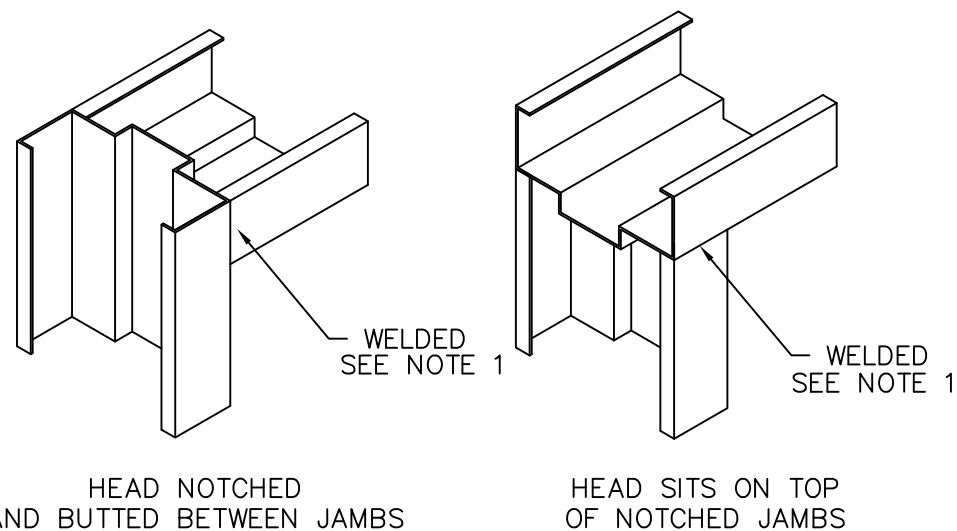
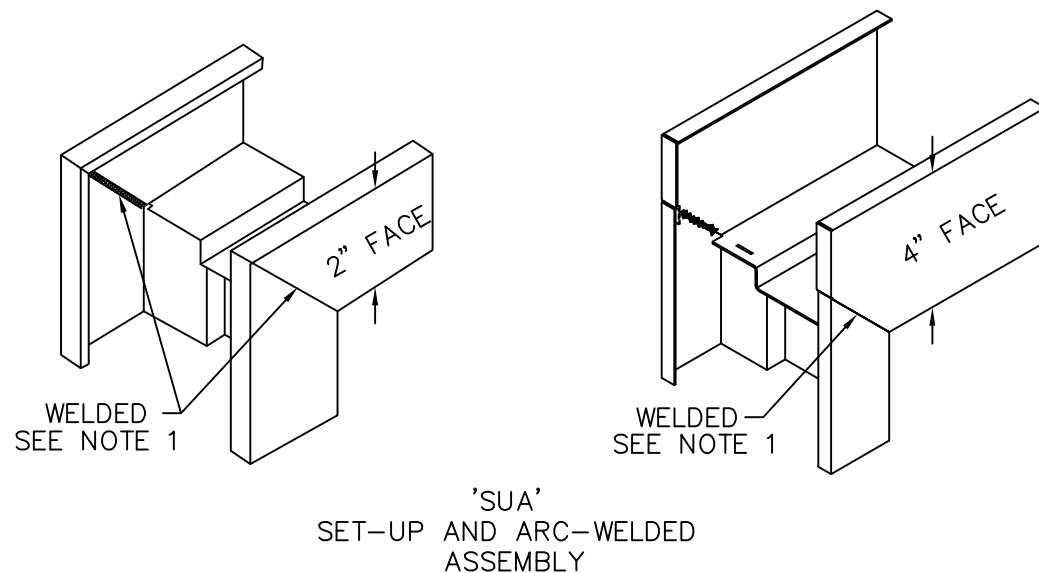
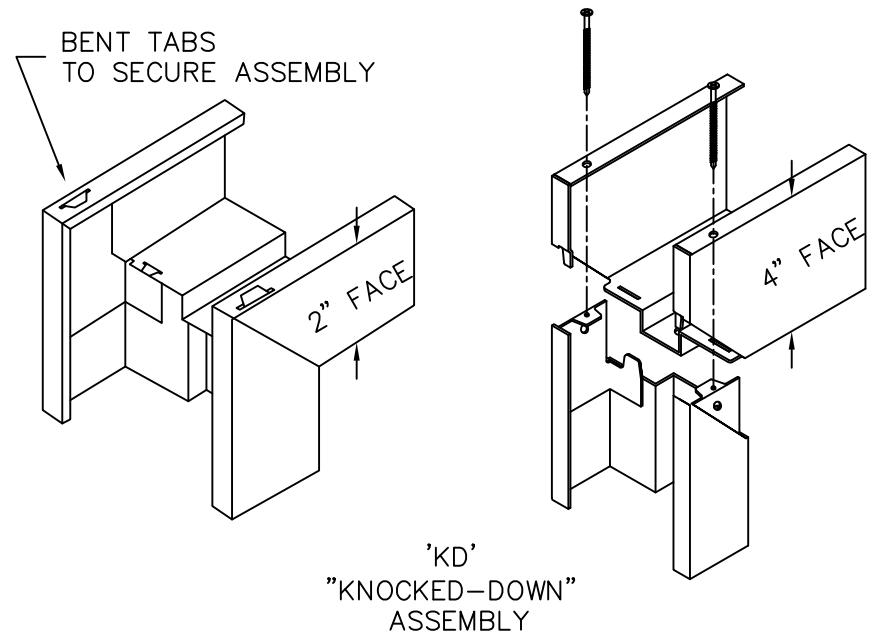
- NOTES:
- 1. DOOR CONSTRUCTION
    - 1.1. NOMINAL DOOR THICKNESS – 1 3/4”
    - 1.2. DOORS AVAILABLE IN FLAT AND EMBOSSSED SURFACE MODELS (SEE TABLE.1)
    - 1.3. ALL DOORS ARE FLUSH – NO LITES OR LOUVERS APPROVED
    - 1.4 DOOR VIEWERS ARE PERMITTED TO BE USED IN A DOOR WITH A DESIGN RATING OF +/-75 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

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 20-1005.13  
Expiration Date 02/24/2022  
By Ishaq I. Chande  
Miami-Dade Product Control



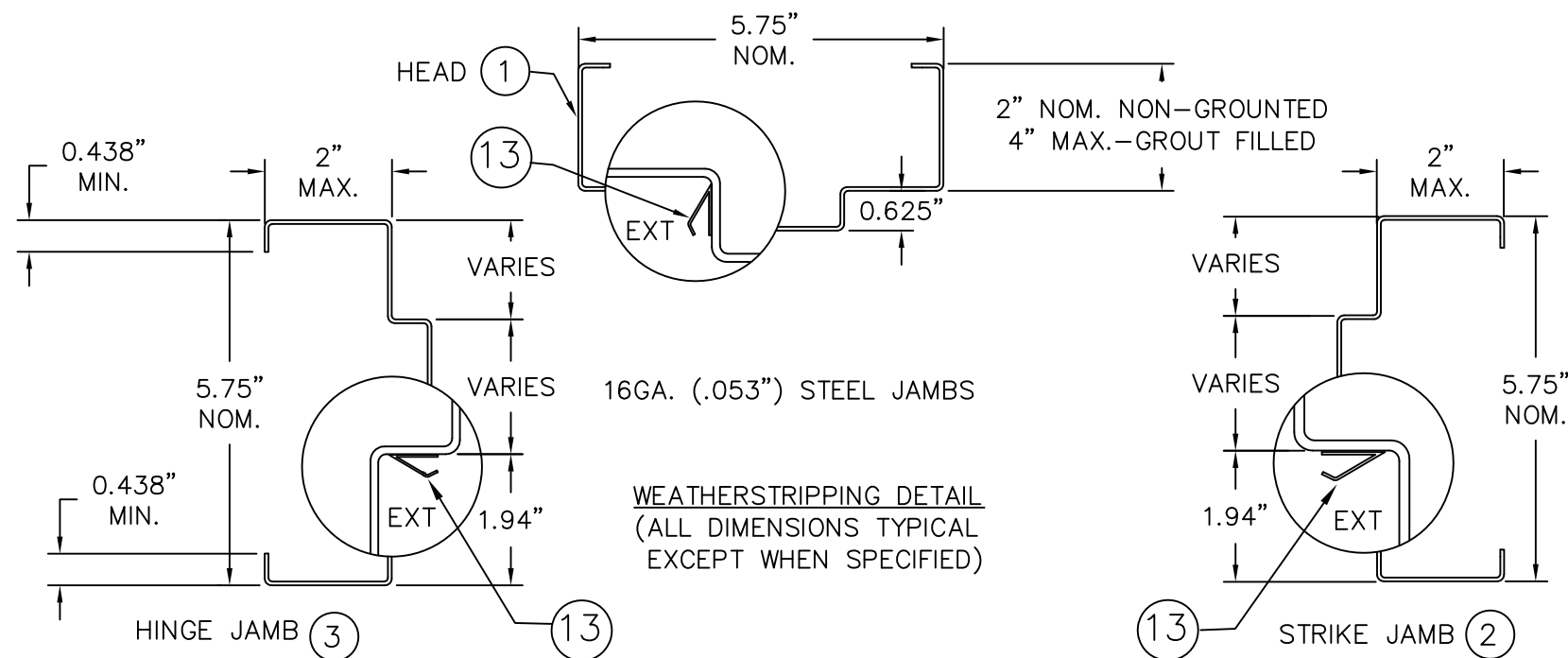
BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div>			<div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>	
<div></div>						
THIRD ANGLE PROJECTION		<div>TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS</div> <div>DOOR AND FRAME CONFIGURATIONS AND MATERIAL SPECS. HIGH PRESSURE APPLICATIONS</div>				
DRAWN	DATE					
YMF	5/01/02					
CHECKED						
APPROVED		SIZE	FLAT	DWG NO.	REV	
				776W-2	N	
ENG. APPVL		SCALE:	NTS	AUTOCAD	SHT 7 OF 9	

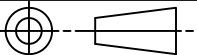


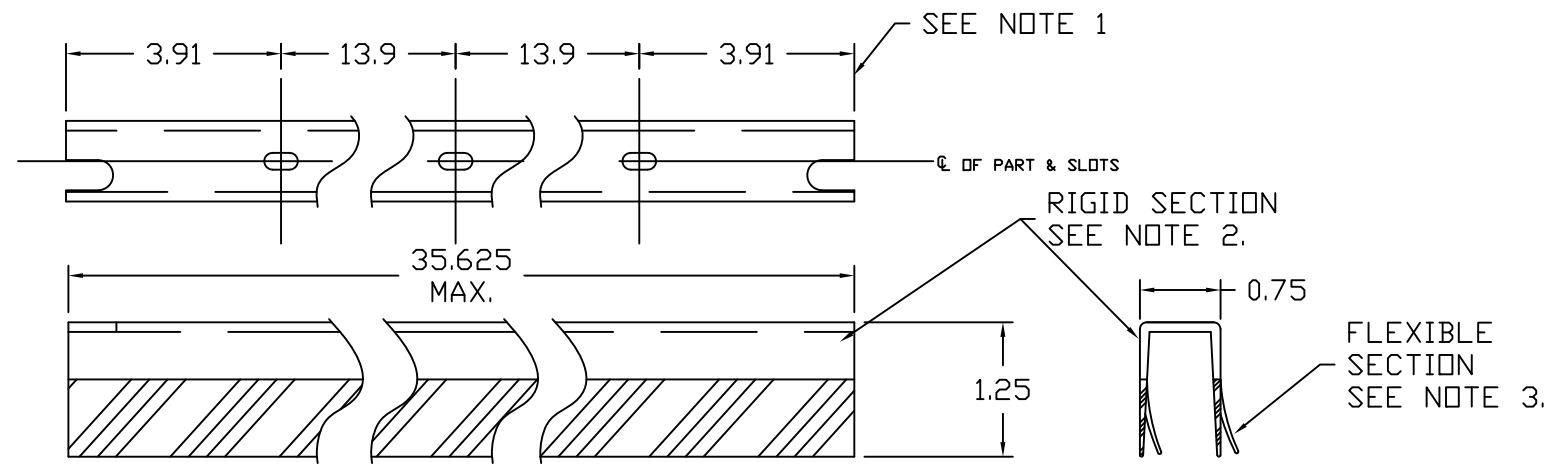


**PRODUCT REVISED**  
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**Expiration Date** 02/24/2022  
**By** *Ishaq I. Chande*  
**Miami-Dade Product Control**

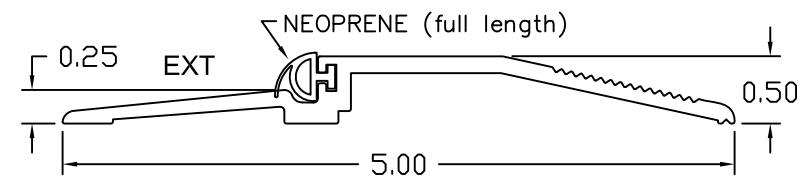
NOTES:  
1. CONTINUOUS BACK WELD WITH FULL PENETRATION  
TO FACE SEAM. GRIND, SMOOTH, PRIME, & PAINT.  
WELD CLASSIFICATION - E70XX



BEND RADIUS		<div>SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032</div>		<div>MANUFACTURING FACILITY: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242</div>	
<div></div> <div>THIRD ANGLE PROJECTION</div>					
DRAWN	DATE	TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS			
YMF	02/05/02				
CHECKED		<div>CORNER DETAILS AND WEATHERSTRIPPING ATTACHMENT FOR FLUSH FRAME AND MU FRAMES</div>			
APPROVED					
ENG. APPVL		SIZE	FLAT	DWG NO.	REV
				776W-2	N
		SCALE:	NTS	AUTOCAD	SHT 8 OF 9

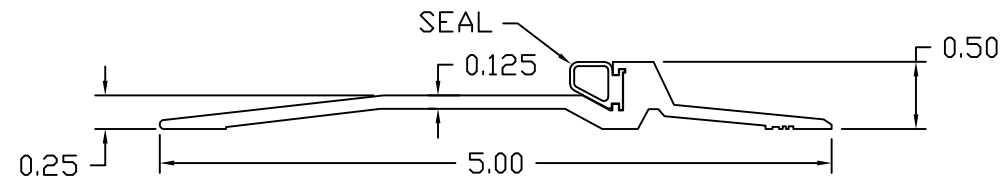


FAS-SEAL DOOR SWEEP (14)

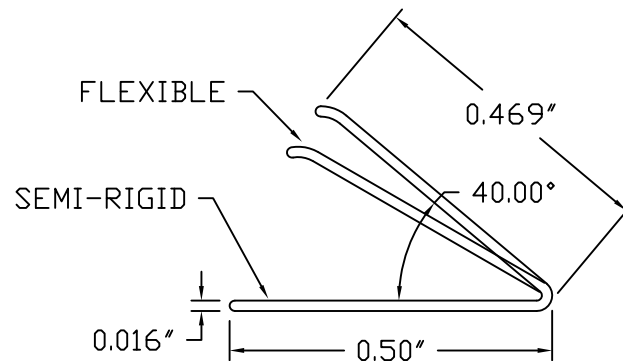


ZERO INT'L 566 SERIES THRESHOLD  
WITH NEOPRENE BUMPER  
6063-T5 ALUMINUM (11-3)

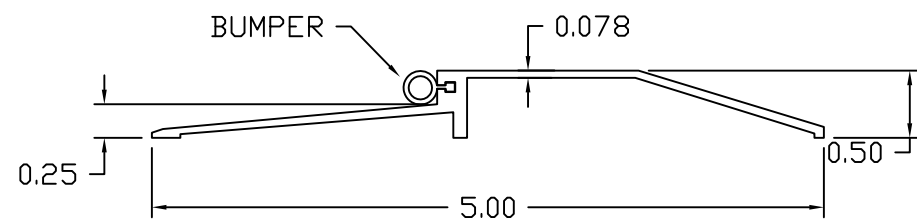
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 20-1005.13  
Expiration Date 02/24/2022  
By Ishaq I. Chande  
Miami-Dade Product Control



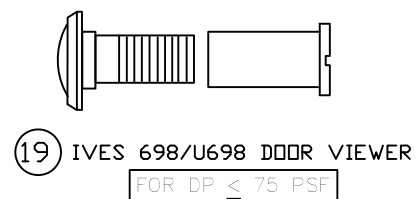
PEMKO 2005 SERIES THRESHOLD  
WITH SILICONE, VINYL  
OR PILE SEAL  
6063-T6 ALUMINUM (11-1)



PS-074  
SELF-ADHESIVE  
WEATHERSTRIPPING (13)



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

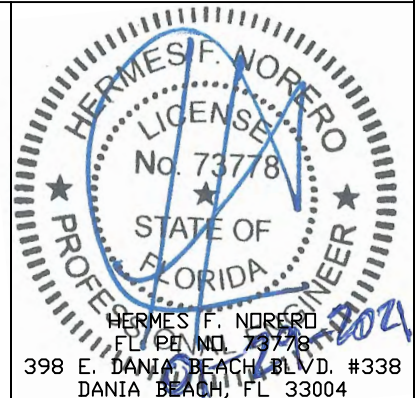


(19) IVES 698/U698 DOOR VIEWER  
FOR DP < 75 PSF

R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	NEW PAGE	11/01/13	
B	CHANGE OF EDR	11/11/16	
M	ADDRESS UPDATE	02/27/20	
N	2020 FBC UPDATE	07/03/20	

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		MANUFACTURING FACILITY: STEELCRAFT 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032 9017 BLUE ASH ROAD CINCINNATI, OH 45242			
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOOR W/ MORTISE LOCKS DOOR ACCESSORIES BOTTOM SWEEP THRESHOLDS AND WEATHERSTRIPPING			
DRAWN YMF	DATE 02/05/02	SIZE FLAT		DWG NO. 776W-2	
CHECKED		SCALE: NTS		AUTOCAD	
APPROVED				REV N	
ENG. APPVL				SHT 9 OF 9	