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

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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 Series H16-4 FL 8080 Double Outswing Commercial Steel Louvered Doors-LMI

APPROVAL DOCUMENT: Drawing No **882W-2 Rev J**, titled "Steelcraft H Series Single and Double Louvered Doors", sheets 1 through 12 of 12, prepared by the manufacturer, dated 08/12/02 and last revised on 03/04/2020, signed and sealed by Hermes F. Norero, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitations:

1. See Design Pressure in sheet **1**. Air infiltration, water resistance and fire ratings are **not** part of this approval.
2. See sheets **5** and **6** for installation, sheet **8** for threshold, sheet **9** for lock and sheet **10** for hinges options.
3. Door opening is limited to max. 48"W x 96"H for single doors.
4. Electrical/Electronic function is not part of this approval, such functions to be reviewed and approved by AHJ.

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

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA **revises NOA #17-1206.02** 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.**

MIAMI-DADE COUNTY APPROVED

4/24/20

Schlage Lock Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S

A. DRAWINGS

1. Manufacturer's parts and sections drawings (Submitted under files listed below).
2. Drawing No **882W-2 Rev H**, titled "Steelcraft H16-4 FL 8080 Double Doors (outswing)", sheets 1 through 12 of 12, prepared by the manufacturer, dated 08-12-02 and last revised on 09/07/15, signed and sealed by Thomas Gordon, signed and sealed by Thomas Gordon, P.E.

B. TESTS (Submitted under files #**13-1205.06/ 13-1007.06/ #12-0305.09**)

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. (#14-0827.04)

2. Test report on
    1) Air Infiltration Test, per TAS 202-94(Not conducted)
    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 FBC, TAS 202-94

Along with manufacturer's parts and section drawings of double outswing Louvered steel doors w/Anemostat Louver (PLSL) and National Guard Louver (L-VRSG-2) kit, marked by Element Material TechnologyInc., Test Reports No. **ESP01330P-2** dated April 16, 2013 and Single steel louverd door w/ Air Louver (1500-A), Test Reports No. **ESP01330P-1** dated April 16, 2013, both signed & sealed by Ramesh Patel, P.E.

Note: The above test reports have an addendum letter, issued by test lab, dated July 11, 2014, signed and sealed by Ramesh Patel, P.E.

3. Test report on
    1) Air Infiltration Test, per TAS 202-94(Not conducted)
    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 marked-up drawings and installation diagram of a louvered commercial steel door system w/***Air Louver, Inc.-1500A*** steel louver, ***National Guard Products L-VRSG-2 Air Louver***

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0310.05
Expiration Date: November 13, 2023
Approval Date: April 24, 2020

B. TESTS (continued)

steel louver blades, and ***Anemostat PLSL*** fixed blades louver insert, all prepared by Certified Testing Laboratories, Test Reports No. **CTLA-882W-2**, dated August 29, 2002 and **CTLA-1107W-2**, dated September 5, 2003 for ***Anemostat FLDL-UL-SGI*** fusible link louver insert , both signed and sealed by Ramesh Patel, P.E.(submitted under NOA # 08-0908.20/#03-0327.02). Reference test reports CTLA 776W-1 and CTLA 1035W-2 for anchor qualifications.

C. CALCULATIONS

1. Anchor verification calculation and analysis dated 09/26/15, prepared, signed & sealed by Thomas Gordon, 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

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

E. MATERIAL CERTIFICATIONS (#14-0827.04/#13-1205.06/#11-0921.12)

1. Tensile test report # CTLA-0244W, dated 04/12/13 prepared by CTL Architectural Division, steel 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 ASTME84 and self-Ignition per ASTM1929D 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 ASTME-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 ASTME84 and self-Ignition per ASTM1929D 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 Pyro phobic 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 conformance to FBC 2014 (**5th** Edition), dated 03/18/15, prepared, signed and sealed by Gordon Thomas, P.E.
2. Letter of conformance to FBC 2010, dated 08/03/14, prepared, signed and sealed by Gordon Thomas, P.E.
3. Ingersoll–Rand press release, dated 12/10/12, integrating the brands of Ingersoll–Rand and Schlage among others.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0310.05
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F. STATEMENTS (continued)

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. Letter of conformance to FBC 2007 & 2010 "No financial interest" dated 09/30/11, signed and sealed by Gordon Thomas, P.E.
8. Laboratory Statement of compliance, part of the above referenced test reports.
9. Addendum letter dated July 11, 2014, issued by Element Material Technology, signed and sealed by Ramesh Patel, P.E
10. 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.
11. 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.

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

1. This NOA **revises NOA #13-1205.06**, expiring on 11/13/18.
2. Test proposals #**12-0913-R**, #**14-1086** and #**14-0252-R** and 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 Element Material Technology, Inc
5. Additional marked-up drawings provided as part of addendum letters by Certified Testing laboratory, Inc.
6. Photo of Stainless Steel Strike plate supplied by Ingersoll-Rand.
7. Schlage & Falcon Mortise Locks brochures / catalogs supplied by Ingersoll-Rand.
8. Technical brochures of butt Hinges & continuous Hinges supplied by Ingersoll-Rand.

2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA

A. DRAWINGS

1. Drawing No **882W-2 Rev I**, titled "Steelcraft H Series Single and Double Louvered Doors", sheets 1 through 12 of 12, prepared by the manufacturer, dated 08/12/02 and last revised on 10/12/17, signed and sealed by Hermes F. Norero, P.E.

B. TESTS

1. None.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0310.05
Expiration Date: November 13, 2023
Approval Date: April 24, 2020

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculation and analysis dated 10/8/17 and revised on 02/12/18, prepared, signed & sealed by Hermes F. Norero, P.E.

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 6th Edition (2017)** and of no financial interest, dated 10/09/17, issued by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Letter indicating Change of Engineer of Record indicating that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated 10/09/17, signed and sealed by Hermes F. Norero, P.E.

G. OTHER

1. This NOA **revises** and **renews NOA #15-0427.03**, expiring on 11/13/18.

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No **882W-2 Rev J**, titled "Steelcraft H Series Single and Double Louvered Doors", sheets 1 through 12 of 12, prepared by the manufacturer, dated 08/12/02 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. TESTS

1. None.

C. CALCULATIONS (submitted under **NOA # 17-1206.02**)

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

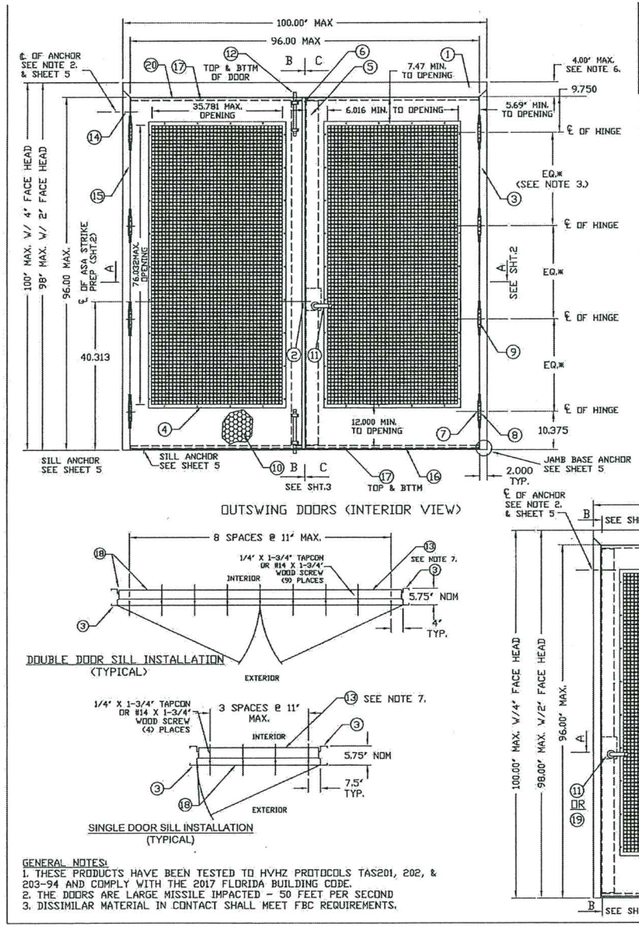
1. Statement letter of conformance to **FBC 6th Edition (2017)** and of no financial interest, dated 10/09/17, issued by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.
2. Application request of address change only by Schlage Lock company, signed by Donlan James.

G. OTHER

1. his NOA **revises NOA #17-1206.02**, expiring on 11/13/23.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 20-0310.05
Expiration Date: November 13, 2023
Approval Date: April 24, 2020



DESIGN PRESSURE RATING			IMPACT RATING
	WHERE WATER AND AIR INFILTRATION REQUIREMENTS ARE NEEDED	WHERE WATER AND AIR INFILTRATION REQUIREMENTS ARE NOT NEEDED	LARGE AND SMALL MISSILE IMPACT
POSITIVE	NOT APPROVED	+ 60 PSF	
NEGATIVE	NOT APPROVED	- 60 PSF	

NOTES:
1. TWO ROWS OF PS074 WEATHERSTRIPPING PER JAMB AND HEAD. INSTALL PER SHT.7
2. ANCHOR REQUIREMENTS:
   SEE SHT 5 & 6 FOR APPROVED ANCHORS AND INSTALLATION.
3. HINGE REQUIREMENTS:
   FOR DOOR OPENING UP TO 7'6" HIGH - MIN (3) HINGES
   FOR DOOR OPENING 7'7" - 8'0" HIGH - MIN (4) HINGES
   LOCATIONS: 9.75" FROM RABBET IN HEAD TO CL OF TOP HINGE-
   10.38" FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED BETWEEN.
   OR (1) CONTINUOUS HINGE
4. SEE SHEET 4 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
5. APPROVED HARDWARE AND LOUVERS INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
6. 4" FACE HEAD IS AVAILABLE WHEN FRAME IS GROUTED WITH CONCRETE. 2" FACE IS LIMITED TO 98" MAX. HEIGHT
7. APPLY CAULK AS NEEDED.
8. ELECTRICAL OPTIONS AND INSTALLATION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY THE CORRESPONDING AUTHORITY. FIRE RATING IS NOT PART OF THIS APPROVAL.
9. OPTIONAL POWER TRANSFERS, AND MONITORING SWITCHES MAY BE USED AS ALLOWED BY CODE.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 20-0513.10 Expiration Date NOV 15, 2023

Approved Design Professional

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	02/26/03	
F	REVISED	09/05/13	
G	REVISED	02/01/15	
H	REVISED	05/05/15	
I	EOR CHANGE	10/12/17	
J	ADDRESS UPDATE	02/27/20	

HERMES F. MORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER
02/27/2020
HERMES F. MORERO, P.E.
FLORIDA, P.E. NO. 73778
BUILDING PRODUCTS, INC.
1938 E. CORONA, SUITE 138
PAHRUMP, NEVADA, FL. 89048
FBPE CERT. OF AUTHORIZATION NO. 29578

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD SEE SHT 4 & 7 ASTM A366 MIN. Fy= 46 KSI, Fu=52 KSI, SEE SHEET 4	.053" MIN. STL	MAX. 100"
2	1	ASA STRIKE		
3	2	HINGE DR LOCK JAMB SEE SHT 4&7 ASTM A366 MIN. Fy= 46 KSI, Fu=52 KSI, SEE SHEET 4	.053" MIN. STL	MAX. 100"
4	1	FIXED DOOR LOUVER: 1) NATIONAL GUARD PRODUCTS - L-VRSG-2 2) AIR LOUVERS, INC. - 1500-A 3) ANEMOSTAT - PLSL FUSIBLE LINK (FIRE RATED) DOOR LOUVER: 4) ANEMOSTAT - FLDL-UL-SGL DR SG2	SEE SHT 12	37.8125" X 78" MAX.
5	1	LOCK SIDE REINFORCEMENT CHANNEL	.059" MIN. STL	3.5" X 93.44" MAX.
6	1	Z-ASTRAGAL	.067" MIN. STL	MAX. 95.5"
7	NOTE 3.	HINGE REINFORCEMENT DOOR ASTM A621	.171" MIN. STL.	1.23" X 9.19"
8	NOTE 3.	HINGE REINFORCEMENT FRAME ASTM A621	.171" MIN. STL.	1.28" X 9.187" MAX.
9	NOTE 3.	IVES SB81 OR CB1, HAGER BB1279 OR STANELY FBB179/1900 HINGES	X .134	4.50"X4.50" MIN. (12-24 MS) 4 SCREWS PER HINGE LEAF
		OPTIONAL CONTINUOUS HINGES (SEE SHEET 10)	.075"MINSTL./.11 ALUM	96" MAX.
10	1	CORE MATERIAL - (A,D) POLYSTYRENE (C) HONEYCOMB (B,E) POLYURETHANE	SEE SHEET 11	VARIES
11	1	LOCKING HARDWARE - LOCKSET 1) SCHLAGE 9000 SERIES MORTISE LOCK 2) FALCON MA-SERIES MORTISE LOCK (W/O D/BOLT) 3) SCHLAGE D/ND-SERIES CYLINDRICAL LOCK 4) FALCON T-SERIES CYLINDRICAL LOCK	SEE SHEET 9	SINGLE OR DOUBLE DOORS
12	2	IVES 360 12" SURFACE BOLT		
13	1	THRESHOLD SILL W/BUMPER GASKET 2) PEMKO 2005AS 3) ZERO 566A OR 65A 1) NAT'L GUARD 950A	.125" ALUM. 6063-T5 .078" ALUM. 6063 T5	5.5" X 0.5" X 96" MAX. PR 5.5" X 0.5" X 48" MAX. SGL
14	NOTE 2.	JAMB ANCHOR ASTM A924	SEE SHT 5 & 6	
15	6	PS074 WEATHER STRIPPING	TPE	MAX. 24'
16	2	FAS-SEAL DOOR SWEEP	TPE	MAX. 47.66"
17	4	END CHANNEL ASTM A924	.070" MIN. STL	.69" X 1.66" X 47.66" MAX.
18	AS NEEDED	BUTYL RUBBER DR 100% SILICONE		
19	1	1) SCHLAGE B600/700/800 Series Deadlock 2) FALCON D100 Series Deadlock	SINGLE DOOR APPLICATION ONLY	
20	2	TOP CAP GALV ASTM 924 (24 GAGE)	.020" MIN. STL	1.5" X 1.76" X 48" MAX.

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN	DATE
YMF	08/12/02
CHECKED	
APPROVED	
ENG. APPVL	

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

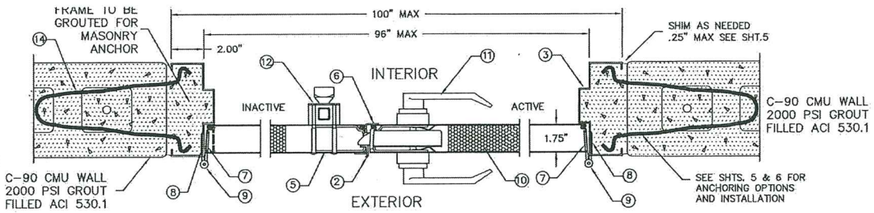
MANUFACTURING LOCATION:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

TITLE: STEELCRAFT M SERIES SINGLE AND DOUBLE LOUVERED DOORS
H16 - 4 FL 8080 DOUBLE DOORS (OUTSWING)
WITH FULL LOUVER
SINGLE AND DOUBLE DOORS
WITH COMMERCIAL LOCK HARDWARE

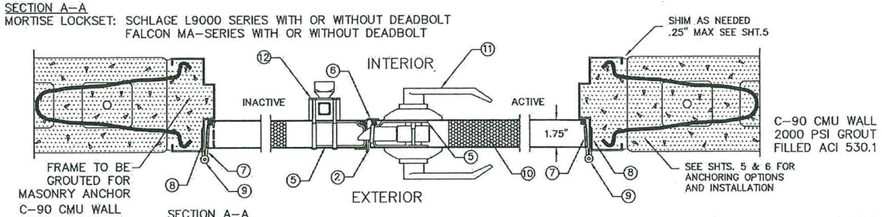
SIZE	FLAT	DWG NO.	REV
		882W-2	J

SCALE: NTS | AUTOCAD | SHEET 1 OF 12

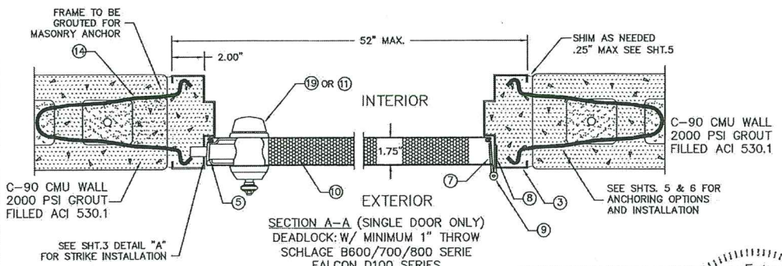
GENERAL NOTES:
1. THESE PRODUCTS HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS201, 202, & 203-94 AND COMPLY WITH THE 2017 FLORIDA BUILDING CODE.
2. THE DOORS ARE LARGE MISSILE IMPACTED - 50 FEET PER SECOND
3. DISSIMILAR MATERIAL IN CONTACT SHALL MEET FBC REQUIREMENTS.



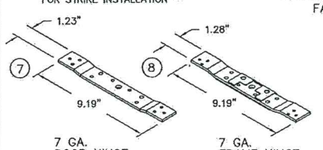
SECTION A-A
MORTISE LOCKSET: SCHLAGE L9000 SERIES WITH OR WITHOUT DEADBOLT
FALCON MA-SERIES WITH OR WITHOUT DEADBOLT



SECTION A-A
CYLINDRICAL LOCKSET: ALL CYL. LOCKS WITH 3/4" THROW LATCH
SCHLAGE D/ND - SERIES
FALCON T - SERIES



SECTION A-A (SINGLE DOOR ONLY)
DEADLOCK: W/ MINIMUM 1" THROW
SCHLAGE B600/700/800 SERIE
FALCON D100 SERIES

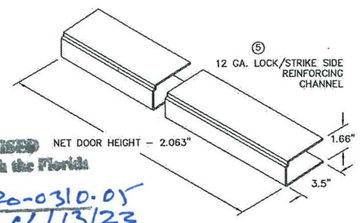


7 GA. DOOR HINGE REINFORCEMENT

7 GA. FRAME HINGE REINFORCEMENT

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	02/26/03	
B	MODIFIED PER DC BCCO	09/23/03	
D	MODIFIED PER DC BCCO	10/08/03	
E	REVISED	09/05/13	
I	EOR CHANGE	10/12/17	
J	ADDRESS UPDATE	02/27/20	



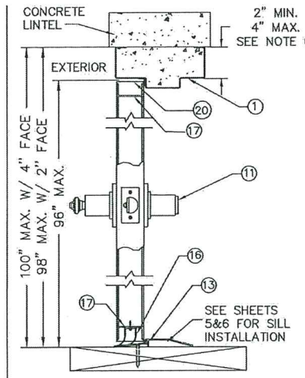
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 20-0310.05
Expiration Date 11/13/23
By [signature]
Miami Dade Product Control

NOTES:

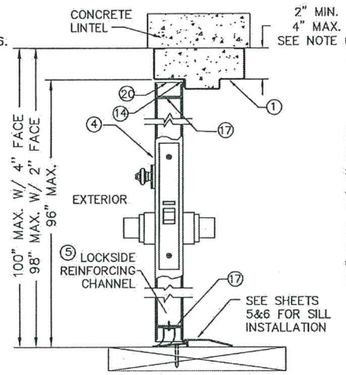
1. SEE SHT.1 FOR ELEVATION, MATERIAL AND SIZE
2. SEE SHT.1 NOTE 2. AND SHTS. 5 & 6 FOR ANCHOR REQUIREMENTS
3. SEE SHTS. 5 & 6 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM OPTIONS AND INSTALLATION
4. SEE SHT.4 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
5. APPROVED HARDWARE AND LOUVER INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS

HERMES F. NORERO
LICENSE No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
SHUTTING BRIDGE, INC.
599 E. DANIA BEACH BLVD. #330
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

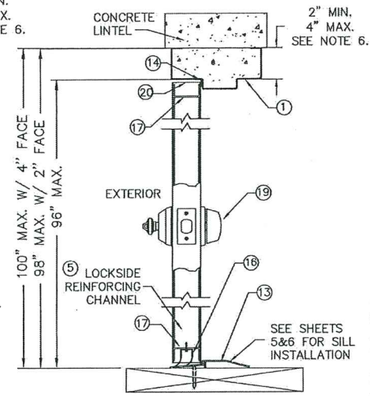
BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032	MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE LOUVERED DOORS CROSS SECTION OF DOOR AND FRAME WITH COMMERCIAL LOCK HARDWARE H16 4 FL 8080 FULL LOUVER SINGLE AND DOUBLE DOORS	
DRAWN YMF	DATE 08/12/02		
CHECKED			
APPROVED		SIZE / FLAT / DWG NO. 882W-2	REV J
ENG. APPVL		SCALE: NTS / AUTOCAD	SHEET 2 OF 12



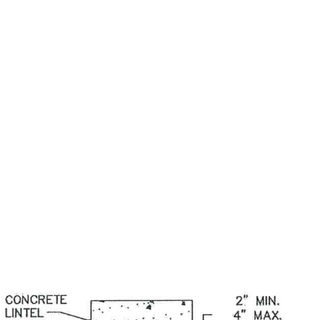
SECTION B–B
CYLINDRICAL LOCKSET
ALL CYL. LOCKS WITH 3/4" THROW LATCH
SCHLAGE D/ND–SERIES
FALCON T–SERIES



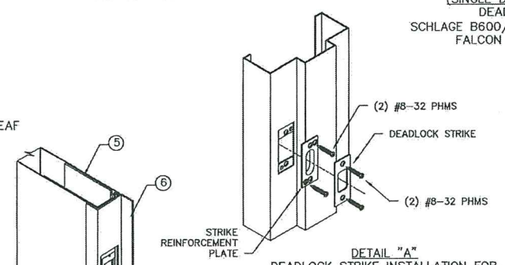
SECTION B–B
SCHLAGE L9000 SERIES
FALCON MA–SERIES
WITHOUT DEADBOLT



SECTION B–B
(SINGLE DOOR ONLY)
DEADLOCK
SCHLAGE B600/700/800 SERIES
FALCON D100 SERIES



INACTIVE LEAF
ASA STRIKE PREP
AND ASSEMBLY DETAIL



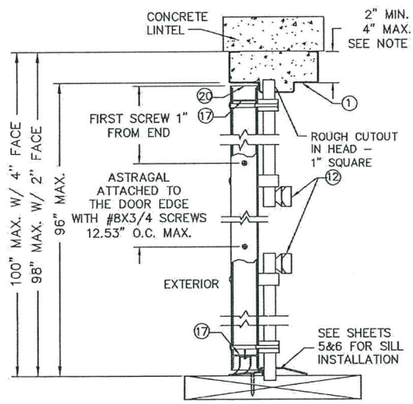
DETAIL "A"
DEADLOCK STRIKE INSTALLATION FOR
SCHLAGE B600/700/800 SERIES AND
FALCON D100 SERIES

PRODUCT REVISED
to complying with the Florida
Building Code
Acceptance No. 20-0310.05
Expiration Date 11/3/2023
Miami-Dade Product Control

HERMES F. NORERO
LICENSED
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA REG. NO. 73778
CYRUS ENG. DESIGNS, INC.
2300 E. OCEAN BLVD. STE. 1A338
LONG BEACH, FL. 90803
FIRM CERT. OF AUTHORIZATION NO. 29578

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	02/26/03	
C	MODIFIED PER DC BCCO	10/08/03	
D	REVISED	09/05/13	
I	EOR CHANGE	10/12/17	
J	ADDRESS UPDATE	02/27/20	



SECTION C–C
INACTIVE LEAF WITH IVES 360
SURFACE BOLTS IN TOP AND BOTTOM

NOTES:
1. SEE SHT.1 FOR ELEVATION, MATERIAL AND SIZE
2. SEE SHT.1 NOTE 2. FOR ANCHOR REQUIREMENTS
3. SEE SHTs. 5 & 6 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM
4. SEE SHT. 4 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
5. HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS
6. HEAD SECTION CAN HAVE 4" FACE DIMENSION WHEN IT'S GROUTED WITH CONCRETE. 2" FACE LIMITED TO 98" MAX. HEIGHT
7. WALL CONSTRUCTION STRUCTURAL MEMBERS MUST BE DESIGNED TO COMPLY WITH APPROVED DESIGN PRESSURE RATING.

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN	YMF
DATE	08/12/02
CHECKED	
APPROVED	
ENG. APPVL	

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

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

TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE LOUVERED DOORS
CROSS SECTION OF DOOR AND FRAME
WITH COMMERCIAL LOCK HARDWARE
H16 4 FL 8080
FULL LOUVER SINGLE AND DOUBLE DOORS

SIZE	FLAT	DWG NO.	REV
		882W–2	J

SCALE:	NTS	AUTOCAD		SHT 3 OF 12

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

STEELCRAFT H SERIES DOOR CORE MATERIAL PER SHT.11	MAXIMUM OPENING SIZE		SKIN MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK
HONEYCOMB POLYSTYRENE POLYURETHANE	8'0"	8'0"	CRS GALV	16/.053" 14/.067"
HONEYCOMB POLYSTYRENE POLYURETHANE	8'0"	8'0"	STAINLESS STEEL	16/.053"

MINIMUM YIELD STRENGTH = 46,000 PSI
MINIMUM TENSILE STRENGTH = 52,000 PSI

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

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

MINIMUM YIELD STRENGTH = 46,000 PSI
MINIMUM TENSILE STRENGTH = 52,000 PSI

TABLE 3. SEE MIN. STRENGTH

CRS ASTM A366
HRS ASTM A1011
GALV: A60 ASTM A653 ASTM A924
STAINLESS STL: 304,316 ASTM A240

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	02/26/03	
B	MODIFIED PER DC BCCO	09/23/03	
C	MODIFIED PER DC BCCO	10/08/03	
D	MODIFIED	12/06/12	
E	REVISED	09/05/13	
F	REVISED	02/01/15	
I	EOR CHANGE	10/12/17	
J	ADDRESS UPDATE	02/27/20	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 20-0310.05
Expiration Date 11/3/23
By [signature]
Miami Dade Product Control

NOTES:

1. DOOR CONSTRUCTION (SEE TABLE 1 & 3)
1.1. NOMINAL DOOR THICKNESS – 1 3/4"
1.2. LOUVER OPENING SIZE TESTED (SEE SHEET 1 & 12) IS MAX SIZE AVAILABLE FOR 8'0" X 8'0" OPENING. ALL SMALLER SIZES ARE ACCEPTABLE.
1.3. MAXIMUM LOUVER OPENING SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE, KEEPING THE SAME STILE AND RAIL MINIMUM DIMENSIONS SPECIFIED IN ELEVATION ON SHEET 1 & 12.

2. FRAME CONSTRUCTION (SEE TABLE 2 & 3)
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)

3. FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 3.

HERMES F. NORERO
LICENSE No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, PE
FLORIDA P.E. NO. 73778
BUILDING GROUP, INC.
398 E. DANIA BEACH BLVD #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

BEND RADIUS
THIRD ANGLE PROJECTION

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

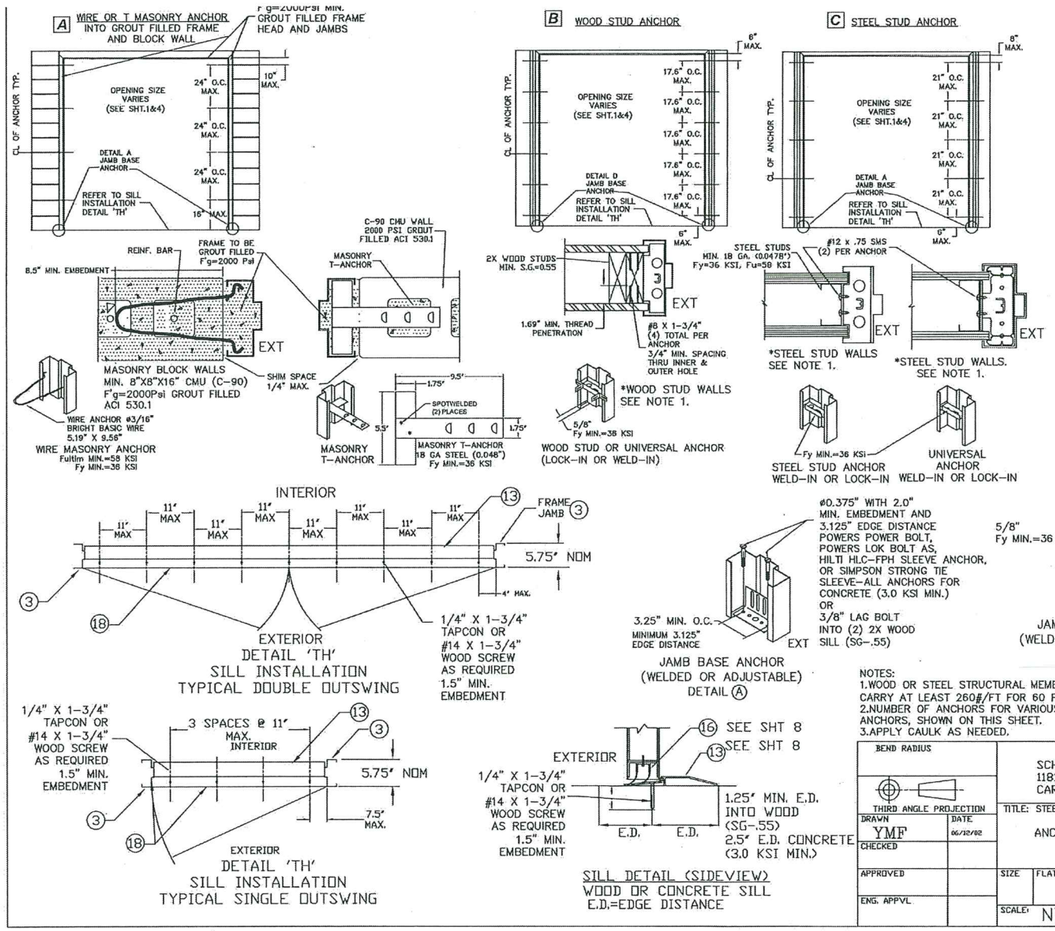
MANUFACTURING LOCATION:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

DRAWN	YMF	DATE 08/08/02
CHECKED		
APPROVED		
ENG. APPVL		

TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE LOUVERED DOORS
DOOR AND FRAME CONFIGURATIONS AND MATERIAL SPECS.

SIZE	FLAT	DWG NO.	REV
		882W–2	J

SCALE: NTS | AUTOCAD | SHT 4 OF 12



NOTES:
1. WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 260#/FT FOR 60 PSF DESIGN LOAD AND TO BE REVIEWED BY THE BUILDING 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.

REVISIONS

LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	02/26/03	
B	REVISED	JPD	09/05/13	
C	REVISED	JPD	02/01/15	
D	REVISED	JPD	05/05/15	
I	EDR CHANGE	SM	10/12/17	
J	ADDRESS UPDATE	SM	02/27/20	

PRODUCT REVIEWED as complying with the Florida Building Code
Acceptance No. 26-0310.05
Expiration Date 11/3/23
By: [signature]
Miami-Dade Product Control

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E. FLORIDA REG. NO. 73778 ENGINEERING PROFESSIONAL, INC. 356 E. DANIA BEACH BLVD. #288 DANIA BEACH, FL 33004
FBPC CERT. OF AUTHORIZATION NO. 29578

THIRD ANGLE PROJECTION

DRAWN	YMF
DATE	06/12/02
CHECKED	
APPROVED	
ENG. APPVL	

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

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

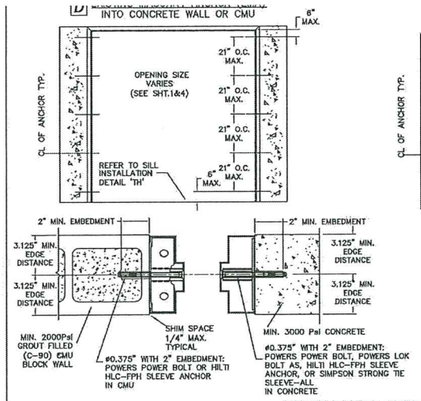
TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE LOUVERED DOORS

ANCHOR DETAILS / INSTALLATION CONDITIONS

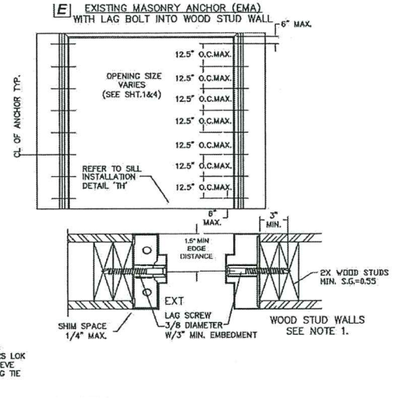
SIZE	FLAT	DWG NO.	REV
		882W-2	J

SCALE: NTS | AUTOCAD | SHEET 5 OF 12

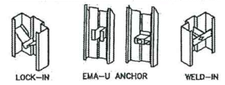
[D] EXISTING MASONRY ANCHOR (EMA) INTO CONCRETE WALL OR CMU

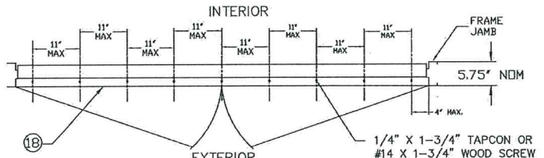


[E] EXISTING MASONRY ANCHOR (EMA) WITH LAG BOLT INTO WOOD STUD WALL



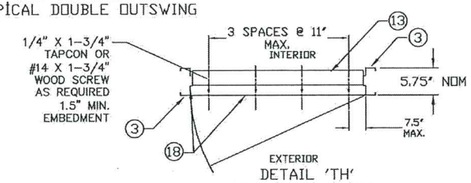
EXISTING MASONRY ANCHOR (EMA) TYPES





DETAIL 'TH'
SILL INSTALLATION
TYPICAL DOUBLE OUTSWING

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



DETAIL 'TH'
SILL INSTALLATION
TYPICAL SINGLE OUTSWING

REVISIONS

LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	YMF	02/26/03	
B	REVISED	JPD	09/05/13	
C	REVISED	JPD	02/01/15	
D	REVISED	JPD	05/05/15	
I	EDR CHANGE	SM	10/12/17	
J	ADDRESS UPDATE	SM	02/27/20	

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No 20-0310.05
Expiration Date 11/3/23
[signature]
Miami-Dade Product Control

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER
3-4-2020
HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
NOLDING GROUP, INC.
398 E. DANIA BEACH BLVD.
DANIA BEACH, FL. 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

NOTES:
1.WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 260#/FT FOR 60 PSF DESIGN LOAD AND TO BE REVIEWED BY THE BUILDING 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.

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN	DATE
YMF	06/12/02
CHECKED	
APPROVED	
ENG. APPVL	

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

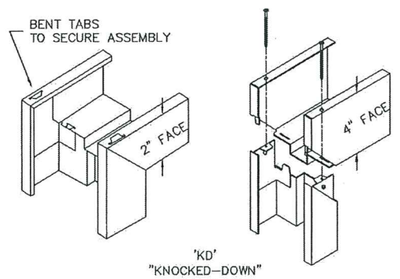
MANUFACTURING LOACATION:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE LOUVERED DOORS

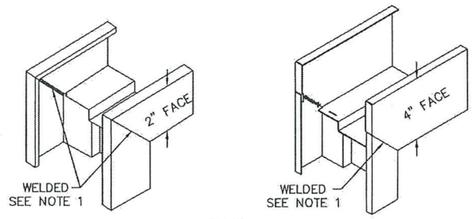
ANCHOR DETAILS / INSTALLATION CONDITIONS

SIZE	FLAT	DWG NO.	REV
		882W-2	J

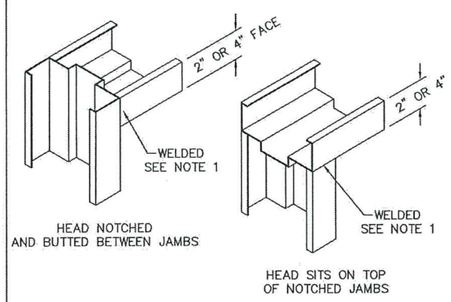
SCALE: NTS | AUTOCAD | SHEET 6 OF 12



'KD'
"KNOCKED–DOWN"
ASSEMBLY

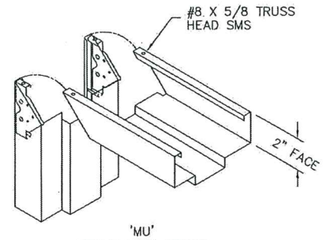


'SUA'
SET–UP AND ARC–WELDED
ASSEMBLY

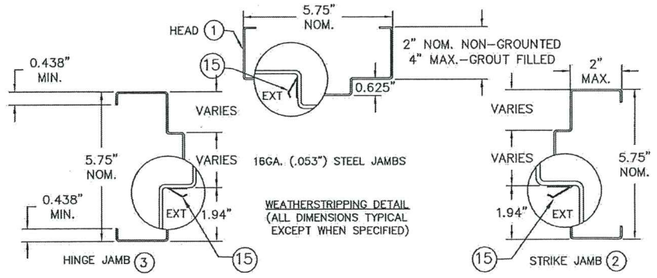


HEAD NOTCHED
AND BUTTED BETWEEN JAMBS

HEAD SITS ON TOP
OF NOTCHED JAMBS

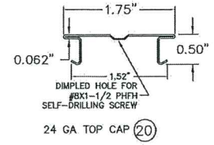


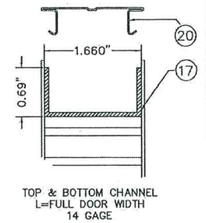
'MU'
"MULTI–USE" SERIES
ASSEMBLY



REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	02/26/03	
B	MODIFIED PER DC BCCO	09/23/03	
C	REVISED	09/05/13	
D	REVISED	02/01/15	
I	EOR CHANGE	10/12/17	
J	ADDRESS UPDATE	02/27/20	





TOP & BOTTOM CHANNEL
L=FULL DOOR WIDTH
14 GAGE

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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 20-0310.05
Expiration Date 11/13/2023
By
Miami-Dade Product Control

HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
3-24-2020
HERMES F. NORERO, P.E.
FLORIDA P.E. LIC. NO. 73778
BUILDING DESIGNS INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL. 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN	YMF	DATE 08/08/02
CHECKED		
APPROVED		
ENG. APPVL		

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

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

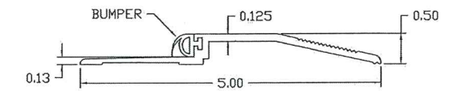
TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE LOUVERED DOORS
CORNER DETAILS
AND WEATHERSTRIPPING ATTACHMENT
FOR FLUSH FRAME AND MU FRAMES

SIZE	FLAT	DWG NO.	REV
		882W–2	J

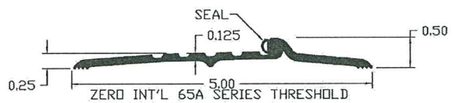
SCALE: NTS | AUTOCAD | | SHT 7 OF 12

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	09/05/13	
B	REVISED	05/05/15	
I	EOR CHANGE	10/12/17	
J	ADDRESS UPDATE	02/27/20	

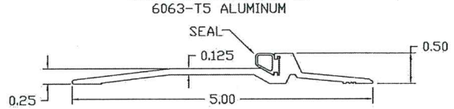
(13) THRESHOLD OPTIONS



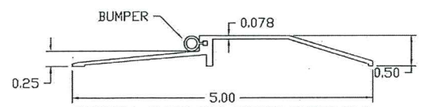
ZERO INT'L 566 SERIES THRESHOLD
WITH NEOPRENE BUMPER
6063-T5 ALUMINUM



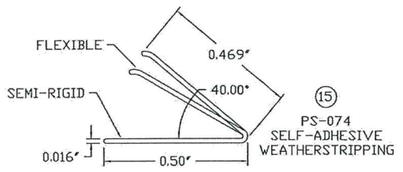
ZERO INT'L 65A SERIES THRESHOLD
WITH NEOPRENE BUMPER
6063-T5 ALUMINUM



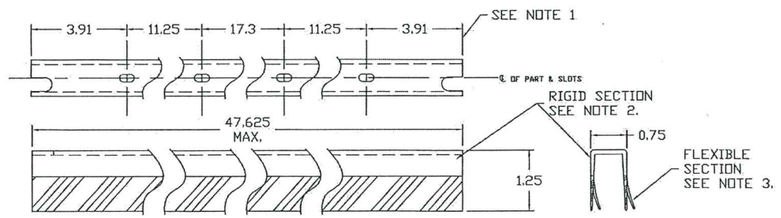
PEMKO 2005 SERIES THRESHOLD
WITH SILICONE, VINYL
OR PILE SEAL
6063-T6 ALUMINUM



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



(15) PS-074
SELF-ADHESIVE
WEATHERSTRIPPING



(16) FAS-SEAL DOOR SWEEP

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 20-0310.05
Expiration Date 11/3/2023
By
Miami-Dade Product Control

NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73 73 DUROMETER - SHORE A SCALE

HERMES F. NORERO LICENSE No. 73778 STATE OF FLORIDA PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BUILDERS PRO'S INC.
398 W. DANIA BEACH BLVD. #339
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN	JPD	DATE 09/05/13
CHECKED		
APPROVED		
ENG. APPVL		

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

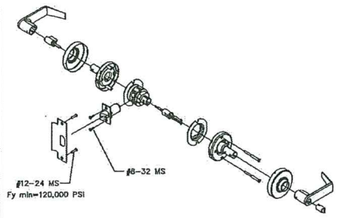
MANUFACTURING LOCATION:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE LOUVERED DOORS
SINGLE AND DOUBLE DOOR ACCESSORIES
BOTTOM SWEEP, THRESHOLDS,
AND WEATHERSTRIPPING

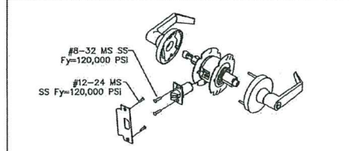
SIZE	FLAT	DWG NO.	REV
		882W-2	J

SCALE: NTS | AUTOCAD | SHT 8 OF 12

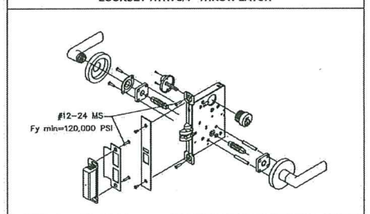
REVISIONS				
LTR	DESCRIPTION		DATE	APPROVED
A	APPROVAL DWG	JPD	09/05/13	
B	REVISED DWG	JPD	02/01/15	
I	EOR CHANGE	SM	10/12/17	
J	ADDRESS UPDATE	SM	02/27/20	



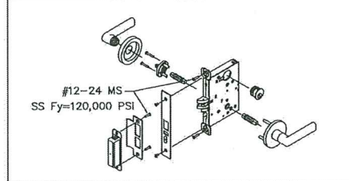
SCHLAGE D/ND-SERIES CYLINDRICAL LOCKSET WITH 3/4" THROW LATCH



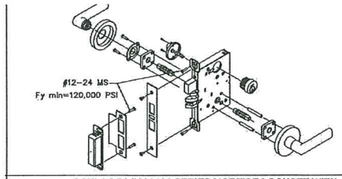
FALCON T-SERIES CYLINDRICAL LOCKSET WITH 3/4" THROW LATCH



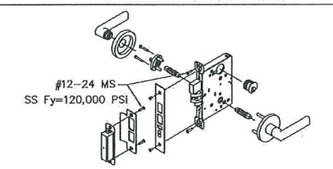
SCHLAGE L/LV 9000-SERIES MORTISE LOCKSET WITHOUT DEADBOLT WITH 3/4" THROW LATCH



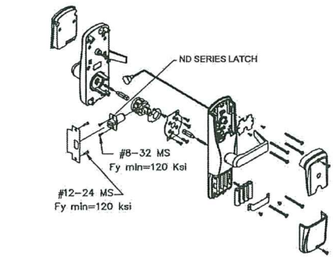
FALCON MA-SERIES MORTISE LOCKSET WITHOUT DEADBOLT WITH 3/4" THROW LATCH



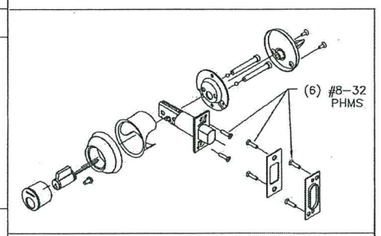
SCHLAGE L/LV 9400-SERIES MORTISE LOCKSET WITH DEADBOLT AND 3/4" THROW LATCH



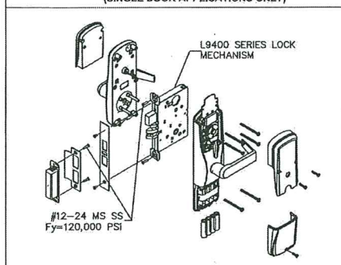
FALCON MA-SERIES MORTISE LOCKSET WITH DEADBOLT AND 3/4" THROW LATCH



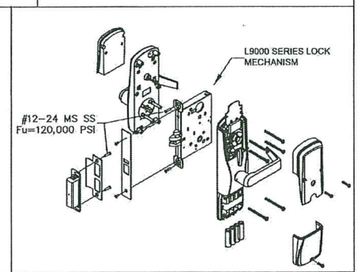
SCHLAGE AD/CO-SERIES CYLINDRICAL LOCKSET WITH 3/4" THROW LATCH



SCHLAGE B600, 700, 800 AND FALCON D100 SERIES CYLINDRICAL DEADLOCK WITH 1" BOLT THROW WITH FIXED BACKSET (SINGLE DOOR APPLICATIONS ONLY)



SCHLAGE AD/CO MORTISE LOCK MD-SERIES WITH DEADBOLT AND 3/4" THROW LATCH



SCHLAGE AD/CO MORTISE LOCK MS-SERIES WITHOUT DEADBOLT AND WITH 3/4" THROW LATCH

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 20-0310.05
Expiration Date 11/3/23
By Ishaq I. Chande
Miami Dade Product Control

NOTES:
1. FIRE RATING IS NOT PART OF THIS APPROVAL.
2. ELECTRIC INSTALLATION IS NOT PART OF THIS APPROVAL AND TO BE REVIEWED BY THE BUILDING OFFICIAL.

HERMES F. NORERO
LICENSED
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA, P.E. NO. 73778
BUILDING CORPS, INC.
398 E. DANIA BEACH BLVD #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN	DATE
JPD	09/05/13
CHECKED	
APPROVED	
ENG. APPVL	
X	

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

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

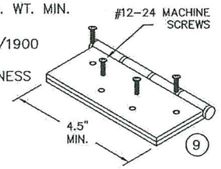
TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE LOUVERED DOORS

LOCKING HARDWARE OPTIONS

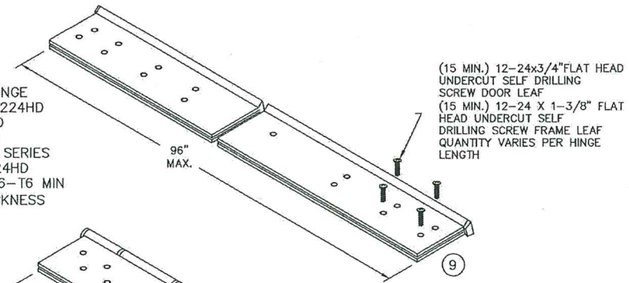
SIZE	FLAT	DWG NO.	REV
		882W-2	J

SCALE: NTS | AUTOCAD | SHEET 9 of 12

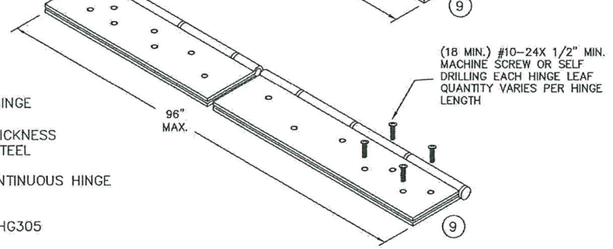
STEEL BUTT HINGE
4.5" X 4.5" STD. WT. MIN.
IVES 5BB1/3CB1
STANLEY FBB179/1900
HAGER BB1279
.134" MIN. THICKNESS
Fy MIN. = 36ksi



CONTINUOUS HINGE
IVES 112HD & 224HD
STANLEY 661HD
SELECT SL11HD
PEMKO FM_HD SERIES
HAGER 780-224HD
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 A-500
.075" (14GA.) MIN. THICKNESS
304 STAINLESS STEEL
Fy MIN. 31ksi



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

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	09/05/13	
B	APPROVAL DWGS.	02/01/15	
I	EOR CHANGE	10/12/17	
J	ADDRESS UPDATE	02/27/20	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 20-0310.05
Expiration Date 11/3/23
By: Shang L. Chan
Miami-Dade Product Control

HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BUILDING EXPO, INC.
350 E. DANIA BEACH BLVD. #209
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

BEND RADIUS
THIRD ANGLE PROJECTION

DRAWN	JPD
DATE	09/05/13
CHECKED	
APPROVED	
ENG. APPVL	

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

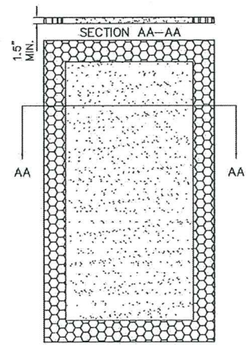
MANUFACTURING LOCATION:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE LOUVERED DOORS

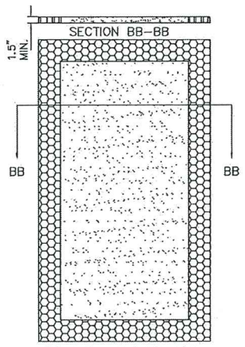
HINGE OPTIONS

SIZE	FLAT	DWG NO.	REV
		882W-2	J

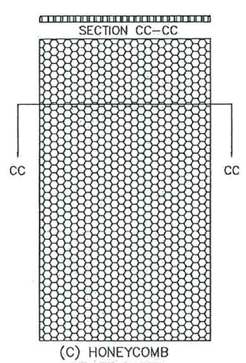
SCALE: NTS | AUTOCAD | SHT 10 OF 12



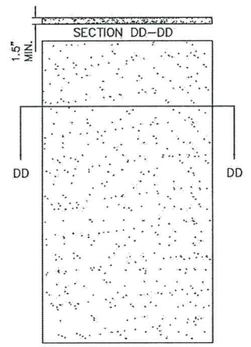
(A) EXPANDED POLYSTYRENE FOAM
BY ATLAS EPS
DENSITY: 1.0 LBS/FT^3



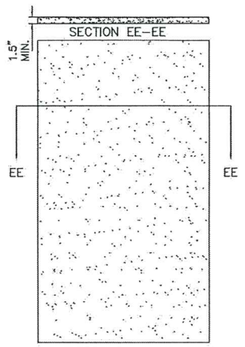
(B) POLYISOCYANURATE
(POLYURETHANE)
BY ELLIOT CO. OF INDIANAPOLIS, IN
DENSITY: 2 LBS/FT^3



(C) HONEYCOMB
KRAFT PAPER.



(D) EXPANDED POLYSTYRENE FOAM
BY ATLAS EPS, DENSITY: 1.0 LB/FT^3



(E) POLYISOCYANURATE
(POLYURETHANE)
BY ELLIOT CO. OF INDIANAPOLIS, IN.
DENSITY: 2 LBS/FT^3

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS	09/05/13	
B	REVISED	05/05/15	
I	EOR CHANGE	10/12/17	
J	ADDRESS UPDATE	02/27/20	

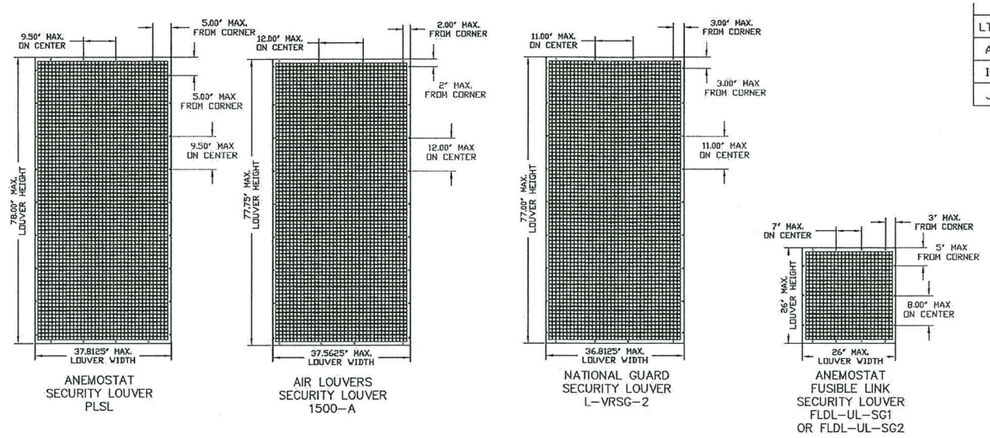
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 20-0310.05
Expiration Date 11/3/23
By [signature]
Miami Dade Product Control

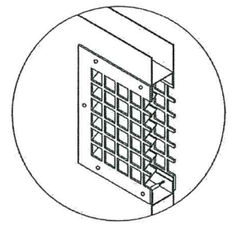
HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BUILDING PROPS, INC.
398 E. DANIA BEACH BLVD. #338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

NOTES:

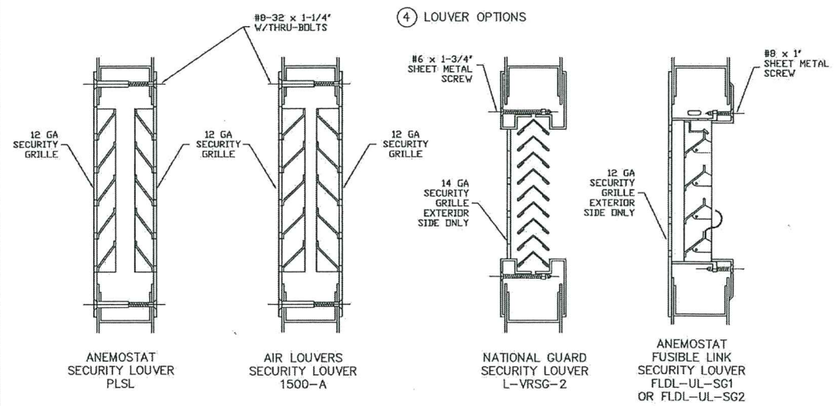
1. CORE MATERIAL SHOWN WITHOUT LOUVER CUTOUTS AND REINFORCEMENTS.

BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032	MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242
THIRD ANGLE PROJECTION		TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE LOUVERED DOORS	
DRAWN JPD	DATE 09/05/13	DOOR CORE MATERIAL OPTIONS	
CHECKED			
APPROVED		SIZE FLAT	DWG NO. 882W–2 REV J
ENG. APPVL		SCALE: NTS AUTOCAD	SHT 11 OF 12





SECURITY LOUVER DETAIL
LOUVERS: NATIONAL GUARD L-VRSG-2
AIR LOUVERS 1500-A
ANEMOSTAT PLSL
ANEMOSTAT FLDL-UL-SG1 OR SG2



NOTES:
1. SCREW SPACING MAY VARY WITH LOUVER HEIGHT AND WIDTH.

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	09/05/13	
I	EOR CHANGE	10/12/17	
J	ADDRESS UPDATE	02/27/20	

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 20-0310.05
Expiration Date 11/3/23
By [signature]
Miami Dade Product Control

HERMES F. NORERO
LICENSE
No. 73778
STATE OF
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
FLORIDA P.E. NO. 73778
BUILDING BROS. INC.
398 E. DANIA BEACH BLVD. #350
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION NO. 29578

BEND RADIUS		SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032	MANUFACTURING LOCATION: STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242
THIRD ANGLE PROJECTION		TITLE STEELCRAFT H SERIES SINGLE AND DOUBLE LOUVERED DOORS	
DRAWN JPD	DATE 09/05/13	LOUVER OPTIONS	
CHECKED			
APPROVED		SIZE FLAT	DWG NO. 882W-2 REV J
ENG. APPVL		SCALE: NTS AUTOCAD	SHEET 12 OF 12