



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

Hager Companies
 139 Victor Street,
 Saint Louis, Missouri 63104

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 PERA -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. PERA 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: Hager series "4500" Rim and SVR Panic Exit Devices , "3800" Mortise lock w/ Deadbolt, "3400" Cylindrical lockset w/ "3100" Dead bolt and "3400" Cylindrical lock set w/ "3100" series Dead bolt - Components Approval

APPROVAL DOCUMENT: Drawing No. HAG0001, titled "Door Lock hardware", sheets 1 through 6 of 6, dated 03/04/16 and last revised on 07/08/16, prepared by PTC, LLC, signed and sealed by Robert J. Amoroso, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. This component may be used as an equal alternative in corresponding lock(s) in 16 ga Commercial Steel doors, holding current NOA. Double doors must be secured with (2) Hager 275D surface bolts at in-active panel.
2. Lower of design pressure rating of these **components** or the approved **door** shall control, for entire assembly.
3. The 3100 series Dead lock is integral part of the 3400 and 3500 Series cylindrical locks.
4. Fire Ratings and Electrical devices are not part of this approval and must be reviewed by corresponding authority.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Tainan, Taiwan or Chia, Taiwan or New Taipei, Taiwan and series and following statement: "Miami-Dade County Product Control approved".

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 #11-1219.14 consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

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



8/23/16

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (submitted under file below).
2. Drawing No. **HAG0001**, titled "Door Lock hardware", sheets 1 through 6 of 6, dated 03/04/16 & last revised on 07/08/16, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P. E.

B. TESTS (submitted under file #11-1219.14)

1. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, 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 3603.2 (b) and TAS 202-94

Along with marked-up drawings and installation diagram of Hager series "4500" Rim and SVR Panic Exit Devices, "3800" Mortise lock w/ Deadbolt, "3400" Cylindrical lockset w/ "3100" Dead bolt and "3400" Cylindrical lock set w/ "3100" Dead bolt, issued by Certified Testing Lab, Test Report No. **CTLA 2045W, -W1, -W2 & -W3**, dated 08/05/11, signed and sealed by Ramesh Patel, P.E. (Note: This test reports have been revised by addendum letter dated March 28, 2012 & July 23, 2012, issued by Certified Testing lab, signed & sealed by Ramesh Patel, P.E.)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 2014 (5th Edition), dated 03/17/16, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS (submitted under file #11-1219.14)

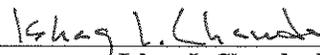
1. Tensile Test report No. 0473T, dated Aug.08, 2011, prepared by Certified Testing lab for steel skin samples, tested per ASTM A370-96, signed and sealed by Ramesh Patel, P.E.

F. STATEMENTS

1. Statement letter compliance to FBC 2014 (5th Edition) and "No Financial interest", dated March 17, 2016, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E.
2. Statement letter of successor Engineer, adopting another Engineer work, per FLA rule 61G15-27.001, dated 06/20/16, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E
3. Statement of lab compliance, as part of above referenced test reports.
4. Addendum letter dated March 28, 2012 & July 23, 2012, issued by Certified Testing lab, signed & sealed by Ramesh Patel, P.E.
5. Distributor agreement between Hager Companies, USA & TEC, Taiwan dtd November 01, 2011.
6. Distributor agreement between Hager Companies, USA & TLMI, Taiwan dtd November 01, 2011.
7. Distributor agreement between Hager Companies, USA and ITMMC, Taiwan dated November 01, 2011.

G. OTHER

1. This NOA **revises** NOA #11-1219.14, expiring AUG 16, 2017.
2. Test proposal # 10-0163 dated 04/20/10 approved by BCCO.
3. Hager's panic exit device and Mortise and Cylindrical lock technical publications and catalogs.

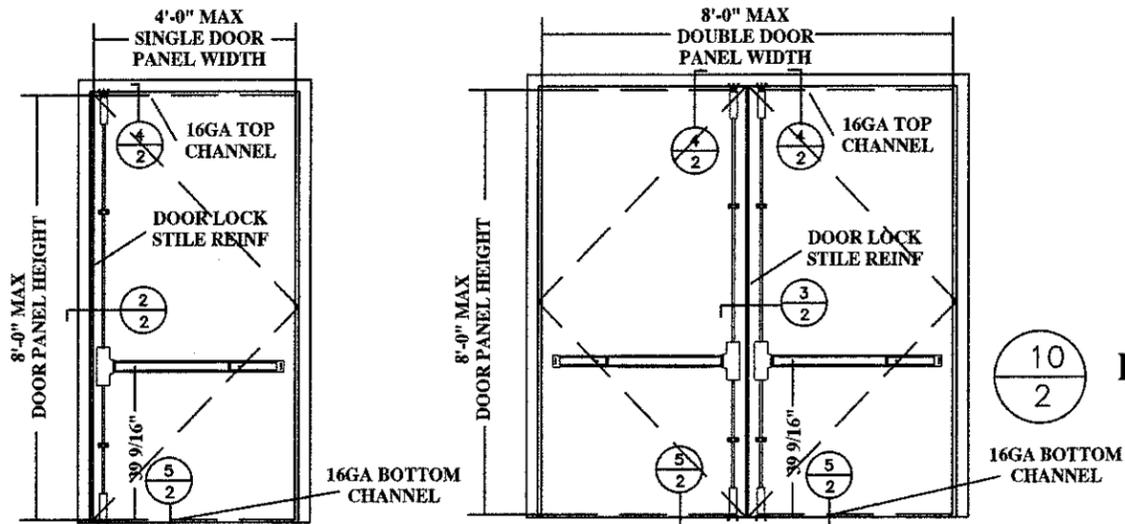


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 16-0419.15

Expiration Date: August 16, 2022
Approval Date: September 01, 2016

4500 SERIES SVR EXIT DEVICE

DESIGN PRESSURE RATING: 4500 SERIES SVR EXIT DEVICE	
SINGLE DOORS +/- 50 PSF	DOUBLE DOORS +/- 50 PSF

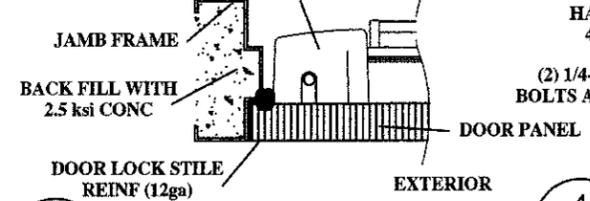


(NOTE: DOORS PER SEPERATE PRODUCT APPROVAL)

TYPICAL ELEVATIONS (INTERIOR)

INTERIOR ELEVATION

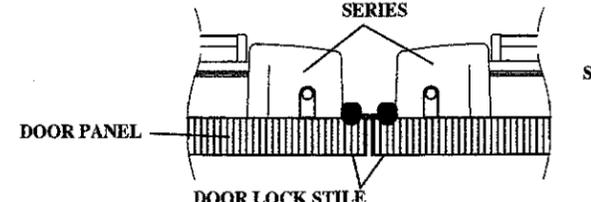
SVR EXIT DEVICE: HAGER 4500 SERIES



SECTION AT LOCK STILE (SINGLE DOOR)

HORIZONTAL SECTION

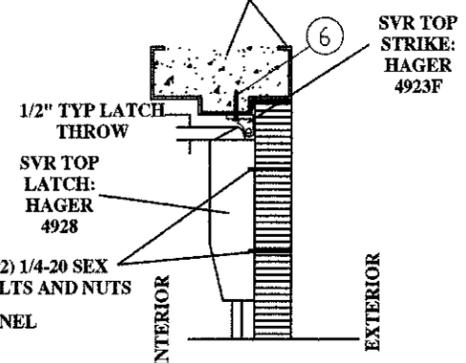
SVR EXIT DEVICE: HAGER 4500 SERIES



SECTION AT LOCK STILE (DOUBLE DOOR)

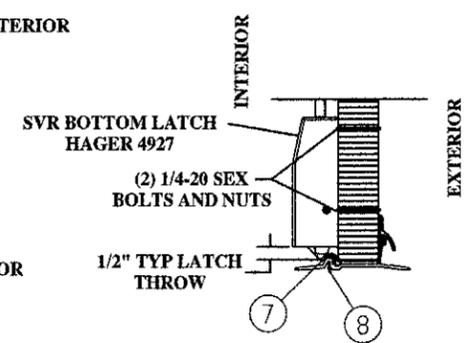
HORIZONTAL SECTION

HEAD FRAME (BACK FILL WITH 2.5 ksi CONC)



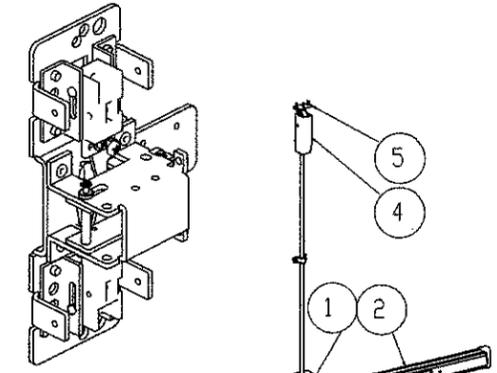
SVR LATCH AT HEAD

VERTICAL SECTION



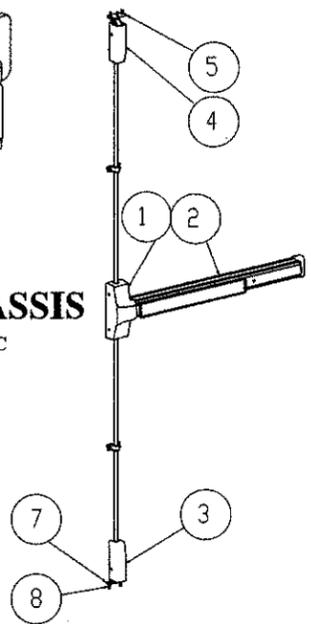
SVR LATCH AT SILL

VERTICAL SECTION



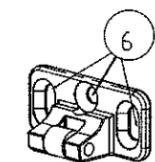
HEAD CHASSIS

ISOMETRIC



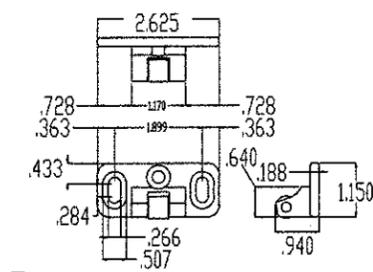
4500 SERIES SVR EXIT DEVICE

ISOMETRIC



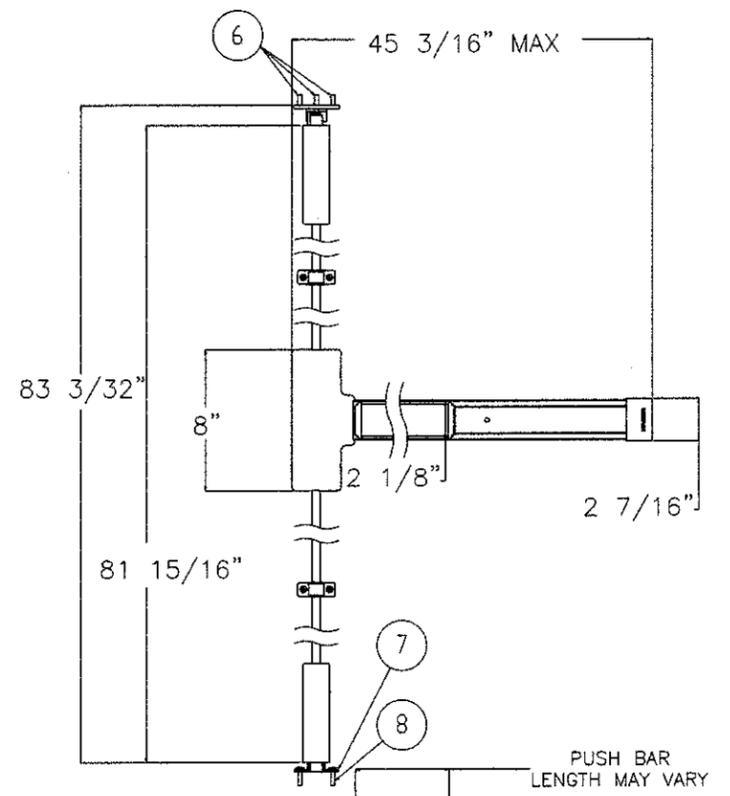
4923F SVR TOP STRIKE

ISOMETRIC



4923F SVR TOP STRIKE

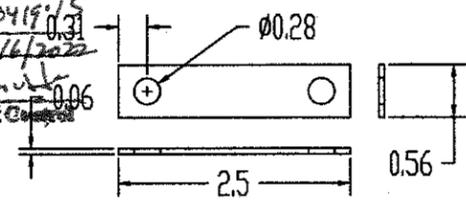
3-SIDED PART DETAILS



4500 SERIES SVR EXIT DEVICE

2-SIDED DETAILS

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 16-0419-031
Expiration Date 8/16/2022
Robert J. Amoruso
Professional Engineer



THRESHOLD SHIMS

(BOTTOM STRIKE)

3-SIDED PART DETAILS

PARTS LIST

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	---	SVR EXIT DEVICE HEAD CHASSIS - FIRE/PANIC
2	1	---	EXIT DEVICE BODY - HEX DOGGING (PANIC RATED)
3	1	4927	EXIT DEVICE BOTTOM LATCH (WSR)
4	1	4928	4500 EXIT DEVICE TOP LATCH ASSEMBLY (WSR)
5	1	4923F	4500 SVR PANIC RATED TOP STRIKE
6	3	---	1/4-20 x 3/4" FPH SCREW (304 S.S. Fu=100ksi, Fy=65ksi)
7	2	---	THRESHOLD SHIMS FOR 4500 SVR BOTTOM LATCH (304 S.S.)
8	2	---	#12 x 1-1/4" FPH COMBO SCREW (302 S.S.)

PROJECT NO. 415-0613	DATE	BY
	7/18/16	RJA
REV	DESCRIPTION	
A	COMMENTS	

DRAWN BY: JBH	DATE: 03/04/16
SCALE: N.T.S.	DRAWING NO: HAG0001
REV: --	SHEET: 2 OF 6

HAGER COMPANIES
139 VICTOR STREET
ST. LOUIS, MO 63104
DOOR LOCK HARDWARE
VERTICAL SECTIONS



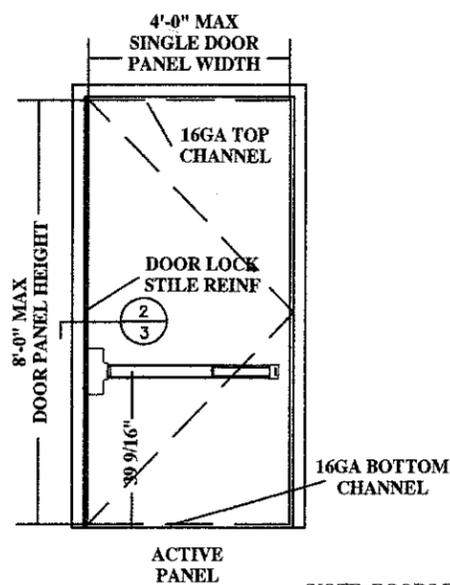
Robert J. Amoruso
Florida P.E. No. 49752



PTC Product Design Group, LLC
P.O. Box 520775
Longwood, FL 32752-0775
FBPE Cert. of Authorization NO. 25935

4500 SERIES RIM EXIT DEVICE

DESIGN PRESSURE RATING: 4500 SERIES RIM EXIT DEVICE	
SINGLE DOORS +/- 70 PSF	DOUBLE DOORS NOT APPROVED

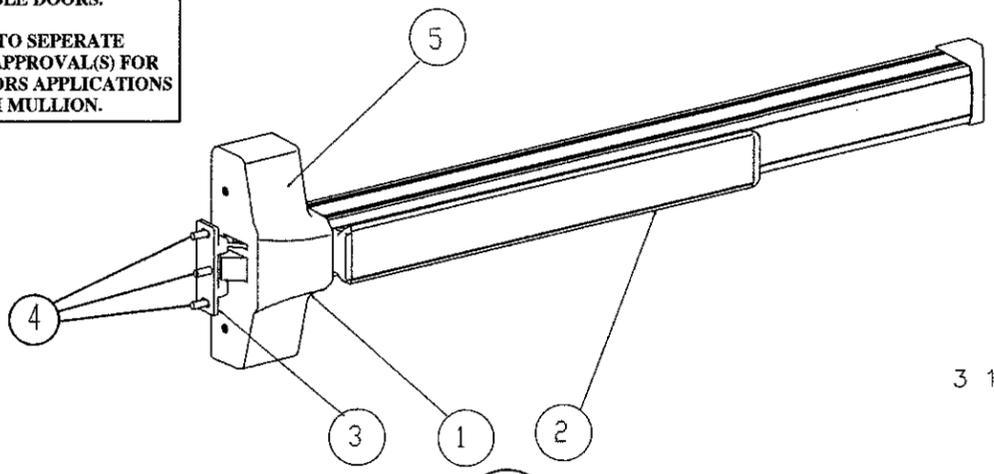


THIS PRODUCT APPROVAL DOES NOT QUALIFY THIS PANIC LOCK FOR USE ON DOUBLE DOORS.

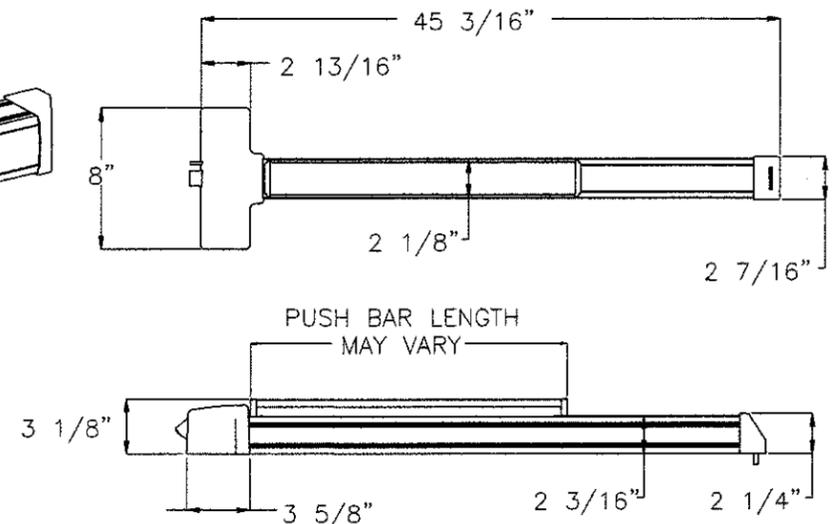
REFER TO SEPARATE PRODUCT APPROVAL(S) FOR DOUBLE DOORS APPLICATIONS WITH MULLION.

(NOTE: DOORS PER SEPARATE PRODUCT APPROVAL)

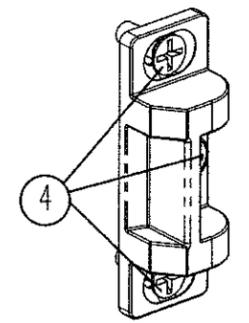
1/3
TYPICAL ELEVATION (INTERIOR)
INTERIOR ELEVATION



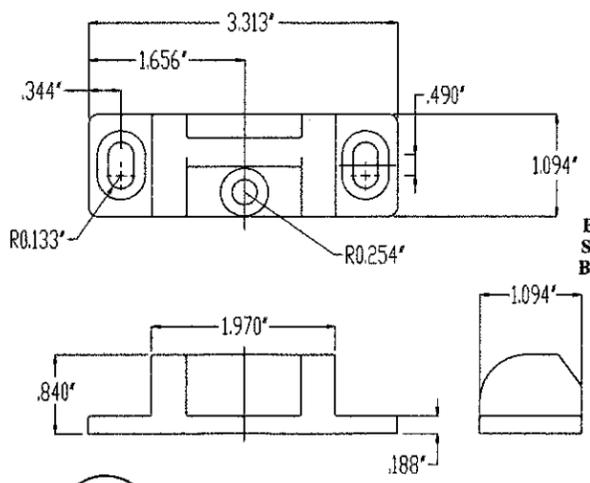
3/3
4500 SERIES RIM EXIT DEVICE
ISOMETRIC



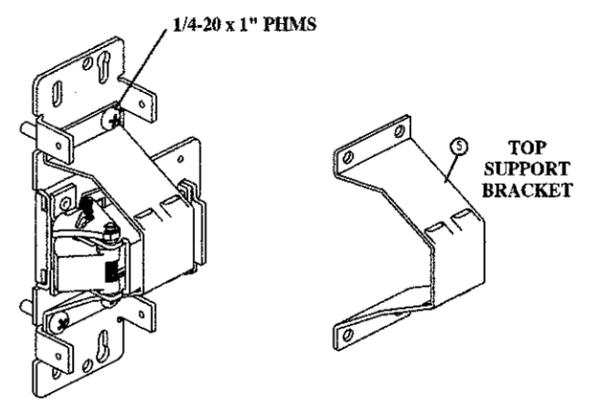
4/3
4500 SERIES RIM EXIT DEVICE
2-SIDED DETAILS



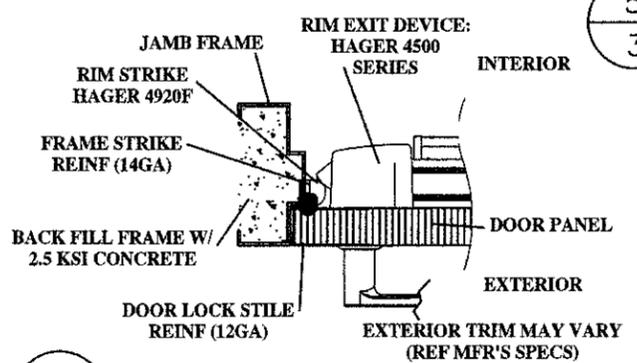
5/3
4920F RIM STRIKE
ISOMETRIC



6/3
4920F RIM STRIKE
3-SIDED PART DETAILS



7/3
HEAD CHASSIS WITH WINDSTORM REINFORCEMENT KIT
ISOMETRIC



2/3
SECTION AT DOOR STILE (SINGLE DOOR)
HORIZONTAL SECTION

PARTS LIST

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	---	RIM EXIT DEVICE HEAD CHASSIS - FIRE/PANIC (WSR)
2	1	---	EXIT DEVICE BODY - FIRE/PANIC
3	1	4920F	4500 RIM STRIKE (FIRE RATED) *
4	3	---	1/4-20 x 3/4" FPH SCREW (304 S.S. - Fu=100ksi, Fy=65ksi)
5	1	2-649-0154	WINDSTORM REINFORCEMENT KIT

*SEE LIMITATIONS NOTE 2, SHEET 1

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 16-041945
Expiration Date 8/16/22
L. Amoroso
Product Control

PROJECT NO. 415-0613

REV	DESCRIPTION	DATE	BY
A	REVISED PER MD COMMENTS	7/18/16	IRJA

HAGER COMPANIES
139 VICTOR STREET
ST. LOUIS, MO 63104

DOOR LOCK HARDWARE
VERTICAL & HORIZONTAL SECTIONS

DRAWN BY: JBH
SCALE: N.T.S.
DATE: 03/04/16
DRAWING NO: HAG0001
SHEET: 3 OF 6

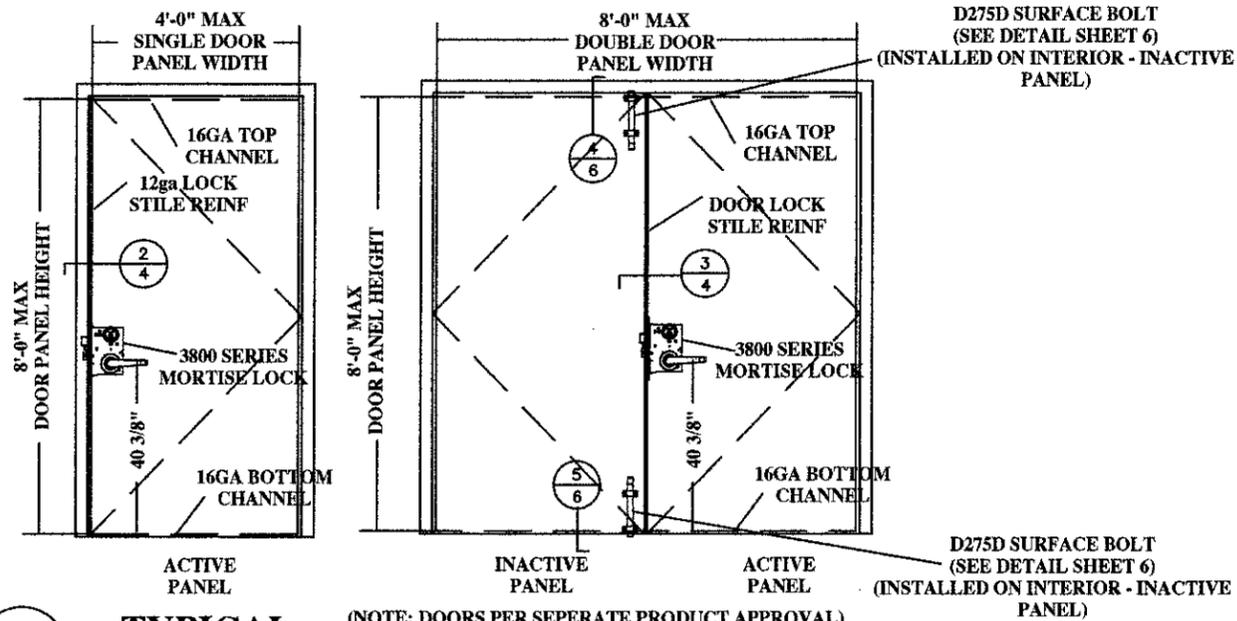
PREPARED BY: **FRE**

Robert J. Amoruso
Florida P.E. No. 49752

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No 49752

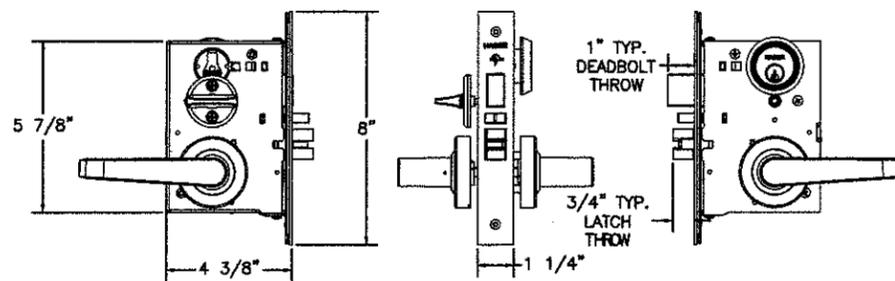
PTC Product Design Group, LLC
P.O. Box 520775
Longwood, FL 32752-0775
FBPE Cert. of Authorization NO. 25935

3800 SERIES MORTISE LOCKSET WITH DEADBOLT

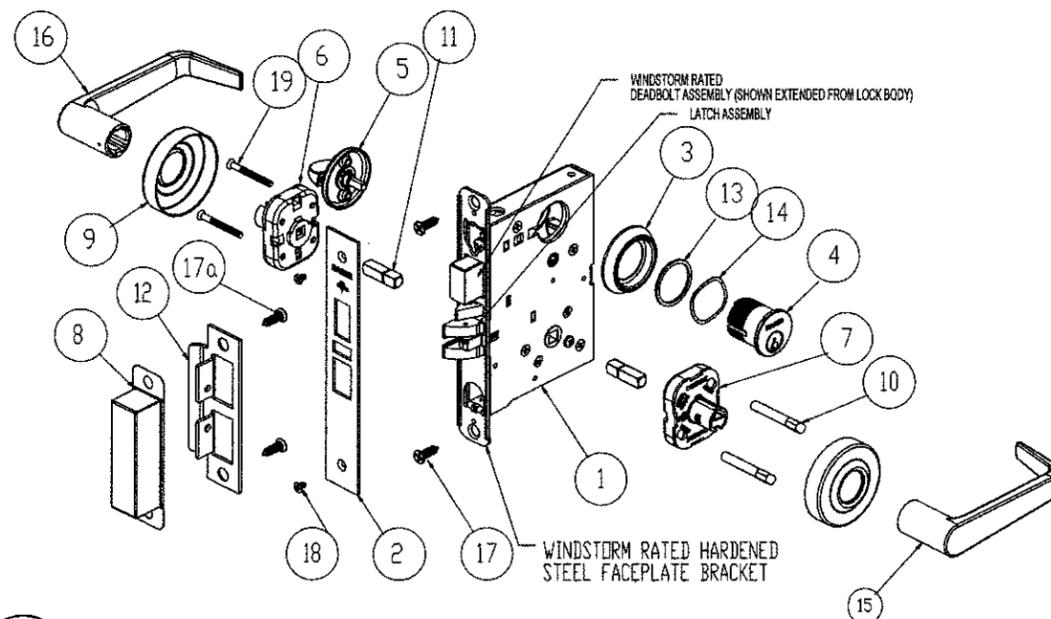


1/4 TYPICAL ELEVATIONS (EXTERIOR)

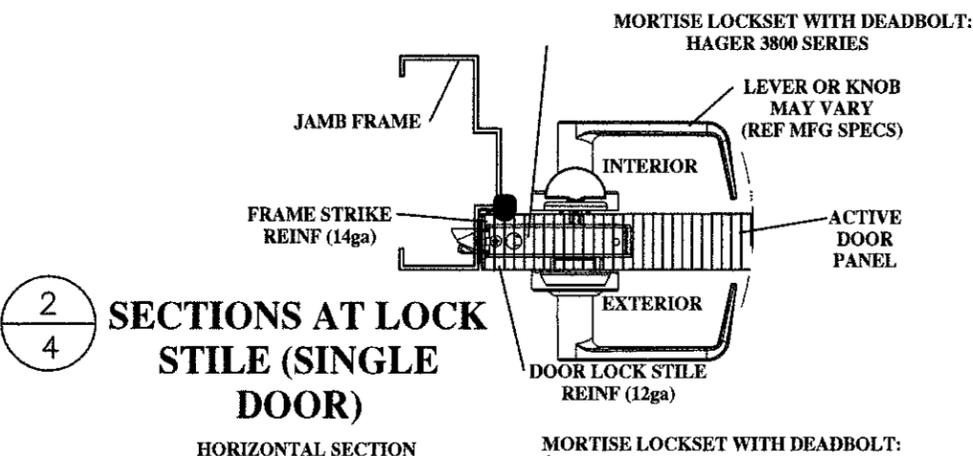
DESIGN PRESSURE RATINGS: 3800 SERIES MORTISE LOCKSET WITH DEADBOLT	
SINGLE DOORS +/- 80 PSF (1/4-20 STRIKE SCREWS) +/- 61 PSF (#12 STRIKE SCREWS)	DOUBLE DOORS +/- 50 PSF (#12 STRIKE SCREWS)



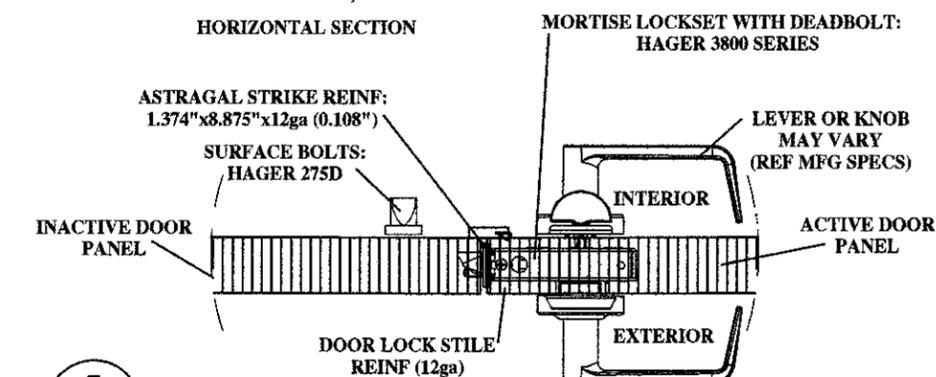
3800 SERIES MORTISE LOCKSET WITH DEADBOLT
4-SIDED DETAILS



5/4 3800 SERIES MORTISE LOCKSET WITH DEADBOLT
EXPLODED ISOMETRIC



2/4 SECTIONS AT LOCK STILE (SINGLE DOOR)
HORIZONTAL SECTION



3/4 SECTIONS AT LOCK STILE (DOUBLE DOOR)
HORIZONTAL SECTION

PARTS LIST

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	2669xxxx	LOCK BODY (WINDSTORM RATED)
2	1	26690xxx	MORTISE LOCK - LOCK FRONT
3	1	3918	TAPERED CYLINDER COLLAR
4	1	3902	MORTISE LOCK CYLINDER W/ SCHLAGE L CAM THUMBTURN
5	1	266904xx	SPRING CAGE ASSEMBLY - INSIDE
6	1	2669004x	SPRING CAGE ASSEMBLY - OUTSIDE
7	1	2669004x	DUST BOX
8	1	2-669-0389	ROSE
9	2	266900xx	3800 SPRING CAGE THRU BOLTS
10	2	---	SQUARE SPINDLE
11	2	26690657	---

PARTS LIST (CONT.)

ITEM NO.	QTY.	PART NO.	DESCRIPTION
12	1	3985	1-3/16" SQ CORNER CURVED LIP STRIKE
13	1	---	CYLINDER SPACER FOR SECURITY COLLARS
14	1	---	WAVE WASHER
15	1	26690xxx	EXTERIOR MORTISE LOCK LEVER - MAY VARY
16	1	26690xxx	INTERIOR MORTISE LOCK LEVER - MAY VARY
17	2	---	#12 x 3/4" FPH COMBO SCREW (302 S.S.)
17a	2	---	#12 x 3/4" FPH COMBO SCREW OR 1/4-20 x 3/4" FPHMS (302 S.S. - Fu=100ksi, Fv=65ksi)
18	2	---	#6 x 6MM FPHMS (UNDERCUT)
19	2	---	M4 x 40MM FPHMS
20	2	---	#8 x 5/8" FPH COMBO SCREWS

PROJECT NO. 415-0613

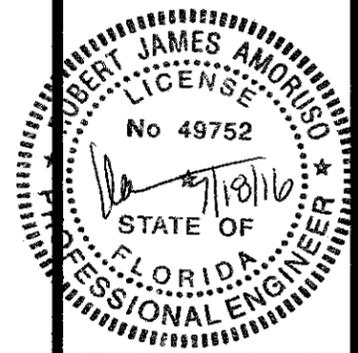
HAGER COMPANIES
139 VICTOR STREET
ST. LOUIS, MO 63104

DOOR LOCK HARDWARE COMPONENTS

DATE: 03/04/16
DRAWING NO.: HAG0001
SCALE: N.T.S.
SHEET: 4 OF 6

PREPARED BY: J.B.H.
DRAWN BY: N.T.S.

Robert J. Amoruso
Florida P.E. No. 49752



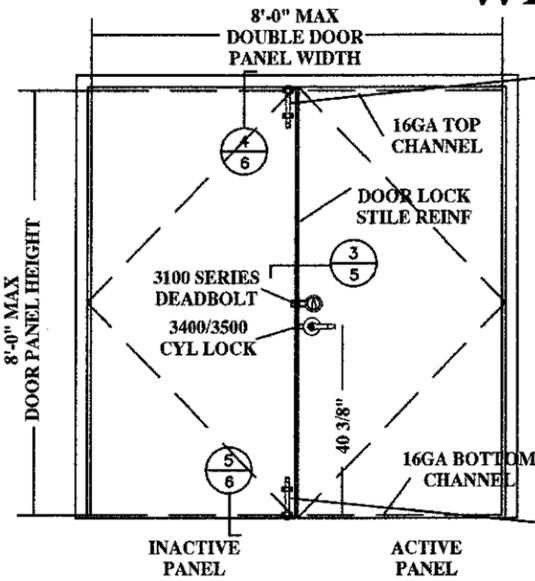
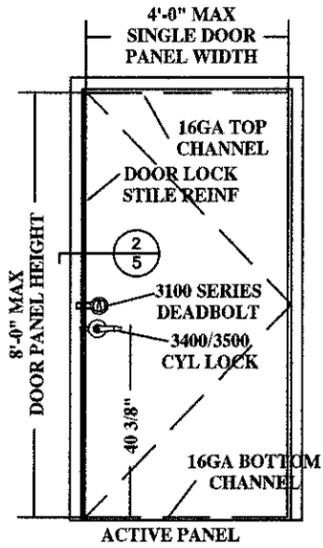
PTC Product Design Group, LLC
P.O. Box 520775
Longwood, FL 32752-0775
FBPE Cert. of Authorization NO. 25935

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 16-0419.15
Expiration Date 8/16/22
Ishaq I. Chaudhry
Hager Door Product Control

3400 SERIES CYLINDRICAL LOCK WITH 3100 SERIES DEADBOLT

DESIGN PRESSURE RATING: 3400 CYLINDRICAL LOCK WITH 3100 SERIES DEADBOLT	
SINGLE DOORS +/- 70 PSF	DOUBLE DOORS +/- 50 PSF

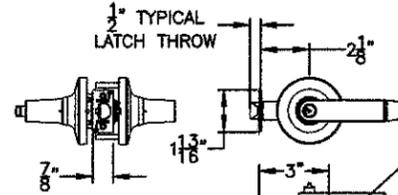
DESIGN PRESSURE RATING: 3500 CYLINDRICAL LOCK WITH 3100 SERIES DEADBOLT	
SINGLE DOORS +/- 50 PSF	DOUBLE DOORS +/- 50 PSF



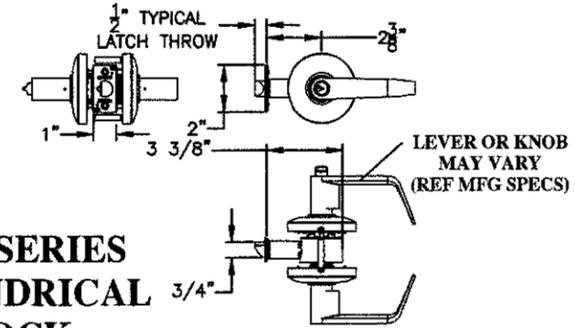
D275D SURFACE BOLT (SEE DETAIL SHEET 6) (INSTALLED ON INTERIOR - INACTIVE PANEL)

D275D SURFACE BOLT (SEE DETAIL SHEET 6) (INSTALLED ON INTERIOR - INACTIVE PANEL)

REFER TO SHEET 6 FOR 3100 SERIES DEADBOLT DETAILS



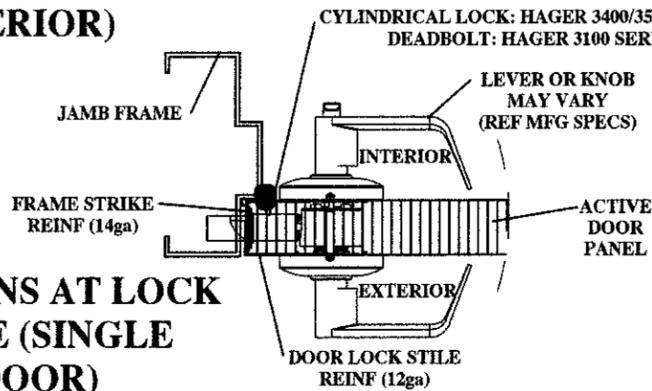
4/5 3400 SERIES CYLINDRICAL LOCK 3-SIDED DETAIL



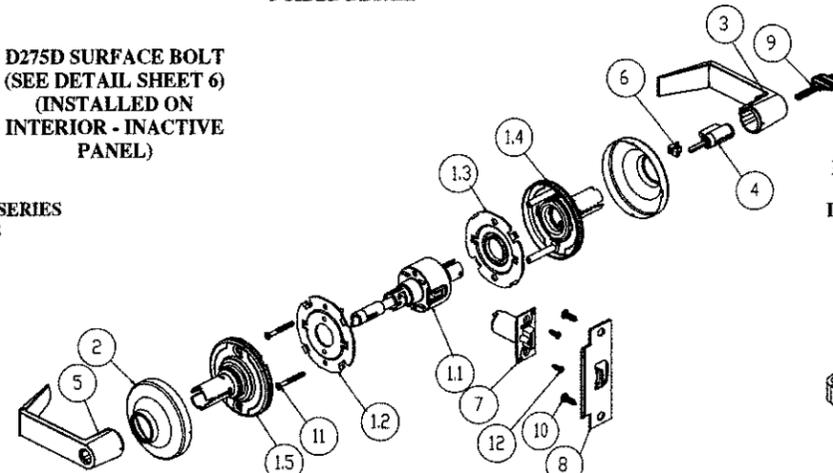
6/5 3500 SERIES CYLINDRICAL LOCK 3-SIDED DETAIL

1/5 TYPICAL ELEVATIONS (EXTERIOR)

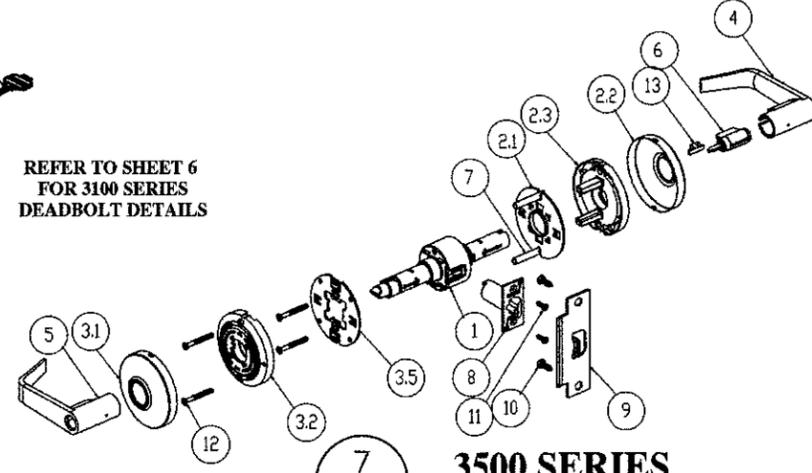
(NOTE: DOORS PER SEPERATE PRODUCT APPROVAL)



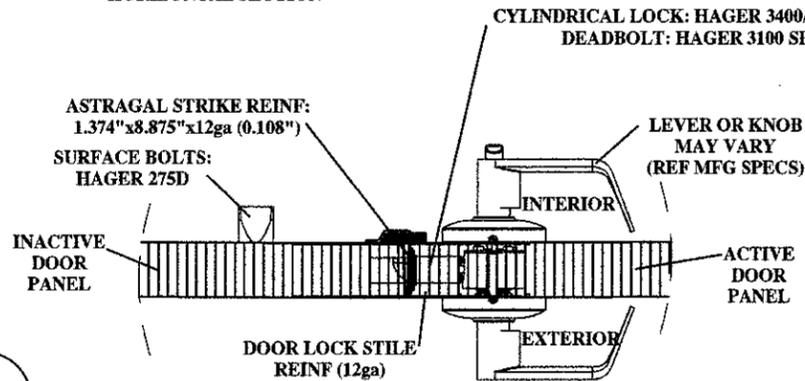
2/5 SECTIONS AT LOCK STILE (SINGLE DOOR) HORIZONTAL SECTION



5/5 3400 SERIES CYLINDRICAL LOCK ISOMETRIC (SEE SHEET 6 FOR INTEGRAL SERIES 3100 DEADBOLT)



7/5 3500 SERIES CYLINDRICAL LOCK ISOMETRIC (SEE SHEET 6 FOR INTEGRAL SERIES 3100 DEADBOLT)



3/5 SECTIONS AT LOCK STILE (DOUBLE DOOR) HORIZONTAL SECTION

PARTS LIST

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1.1	1	2639xxxx	LOCK CHASSIS ASSEMBLY
1.2	1	26393436	INSIDE MOUNTING PLATE
1.3	1	26393437	OUTSIDE MOUNTING PLATE
1.4	1	2639xxxx	OUTSIDE ROSE ASSEMBLY
1.5	1	2639xxxx	INSIDE ROSE ASSEMBLY
2	2	2639xxxx	OUTSIDE/INSIDE ROSE
3	1	2639xxxx	EXTERIOR LEVER - STYLE/FINISH MAY VARY
4	1	---	CYLINDER (OPTIONAL)
5	1	2639xxxx	INTERIOR LEVER - STYLE/FINISH MAY VARY
6	1	---	CYLINDER RETAINER
7	1	3944	2 3/4" DEAD LATCH
8	1	3935	ASA STRIKE 1 5/16"
9	2	---	KEY
10	2	---	#12 x 3/4" FPH COMBO SCREW (302 S.S. - Fu=100ksi, Fy=65ksi)
11	2	---	CUSTOM #12-24 x 2 11/16" OPHMS
12	2	---	#8 x 3/4" FPH COMBO SCREW

REFER TO SHEET 6 FOR 3100 SERIES DEADBOLT PARTS

PARTS LIST

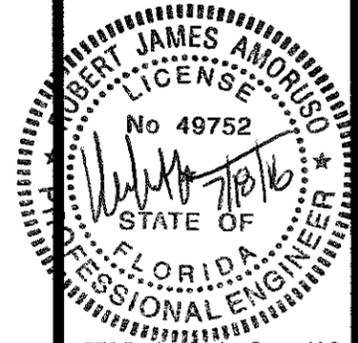
ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	2639xxxx	LOCK CHASSIS ASSEMBLY
2.1	1	26393522	OUTSIDE MOUNTING PLATE
2.2	1	2639xxxx	ROSE
2.3	1	26393520	OUTSIDE ROSE LINER
3.1	1	2639xxxx	ROSE
3.2	1	26393519	INSIDE ROSE LINER
3.5	1	26393521	INSIDE MOUNTING PLATE
4	1	2639xxxx	EXTERIOR LEVER - STYLE/FINISH MAY VARY
5	1	2639xxxx	INTERIOR LEVER - STYLE/FINISH MAY VARY
6	1	---	KEYED CYLINDER (OPTIONAL)
7	2	26393523	REMOVABLE THRU-BOLT
8	1	3948	2 3/4" DEAD LATCH
9	1	3935	ASA STRIKE 1 5/16"
10	2	---	#12 x 3/4" FPH COMBO SCREW (302 S.S. - Fu=100ksi, Fy=65ksi)
11	2	---	#8 x 3/4" FPH COMBO SCREW
12	4	---	CUSTOM #12-24 x 2 11/16" OPHMS
13	1	---	CYLINDER RETAINER

REFER TO SHEET 6 FOR 3100 SERIES DEADBOLT PARTS

PROJECT NO. 415-0613

HAGER COMPANIES 139 VICTOR STREET ST. LOUIS, MO 63104	DATE: 03/04/16	REVISED PER MD	DATE
DOOR LOCK HARDWARE 3400/3500 SERIES CYLINDRICAL LOCK W/ 3100 DEADBOLT	DRAWING NO: HAG0001	COMMENTS	BY
DRAWN BY: JBH	SCALE: N.T.S.	A	7/18/16
PREPARED BY: FIC	SHEET: 5 OF 6	REV	

Robert J. Amoruso
Florida P.E. No. 49752

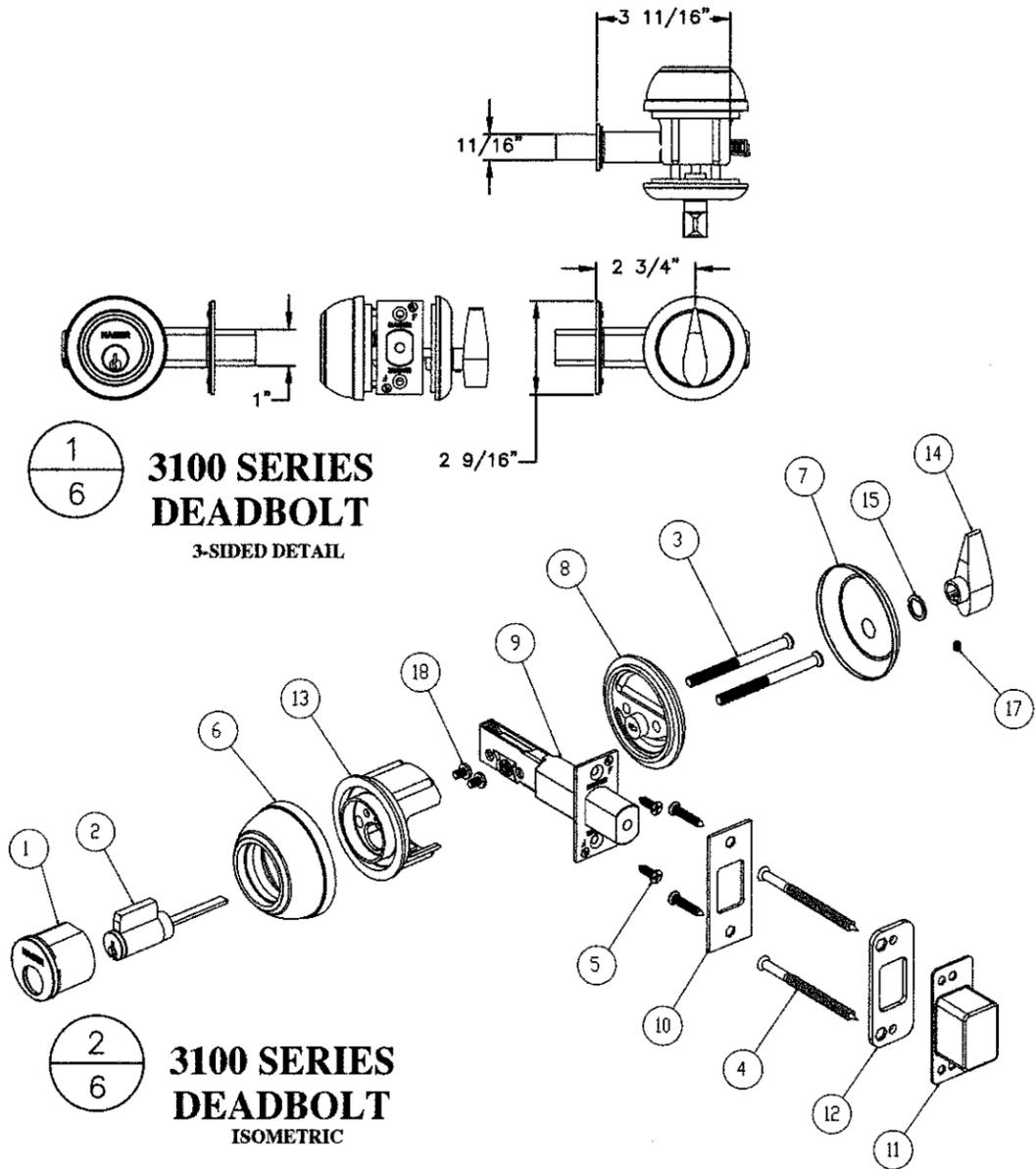


PTC Product Design Group, LLC
P.O. Box 520775
Longwood, FL 32752-0775
FBPE Cert. of Authorization NO. 25935

PRODUCT REVIEWED as complying with the Florida Building Code
Acceptance No. 16-0419-15
Expiration Date 8/16/27
By: [Signature]

3100 SERIES DEADBOLT

(PART OF SERIES 3400 & 3500 CYLINDRICAL LOCK)



1/6
3100 SERIES DEADBOLT
3-SIDED DETAIL

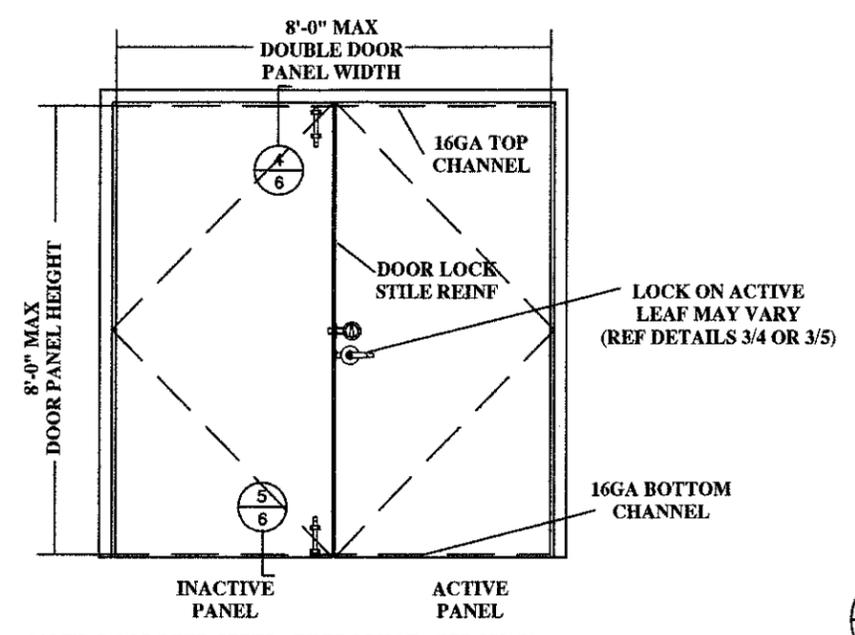
2/6
3100 SERIES DEADBOLT
ISOMETRIC

PARTS LIST

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	2639xxxx	EXTERIOR CYLINDER HOUSING
2	1	---	KEYED CYLINDER
3	2	---	CUSTOM #12-24 x 2 5/8" FPHMS
4	2	---	CUSTOM #10 x 3" FPHWS (GRADE 2)
5	2	---	#8 x 3/4" FPH COMBO SCREW
6	1	263931XX	ROSE
7	1	2639315X	THUMB TURN ROSE
8	1	---	THUMB TURN ROSE LINER ASSEMBLY
9	1	3940	DEADBOLT LATCH (2 3/4" BACKSET)
10	1	3930	DEADBOLT STRIKE
11	1	26393109	DEADBOLT DUST BOX
12	1	26933108	DEADBOLT WOOD REINFORCER
13	1	2639314X	CYLINDER FIRE SHIELD
14	1	---	THUMB TURN
15	1	---	THUMB TURN WASHER
16	2	---	#8 x 1/4" FPH COMBO SCREW (GRADE 2)
17	1	---	#6-32 x 3/16" FP SET SCREW
18	2	---	#8-32 x 1/4" PHMS

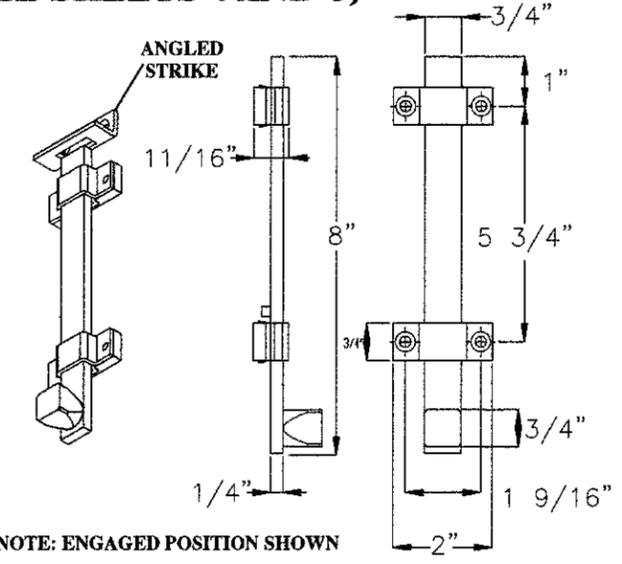
275D SURFACE BOLT

(INTEGRAL PART OF DOUBLE DOORS - SEE SHEETS 4 AND 5)



(NOTE: DOORS PER SEPERATE PRODUCT APPROVAL)

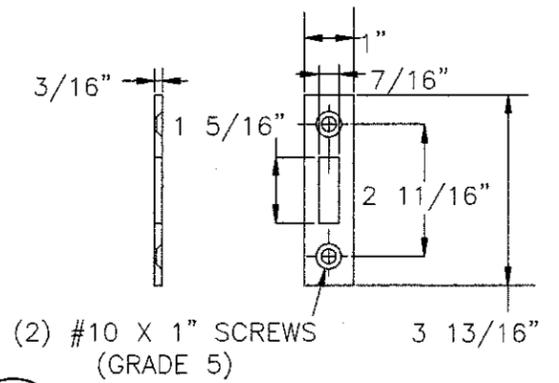
3/6
TYPICAL ELEVATION (INTERIOR)



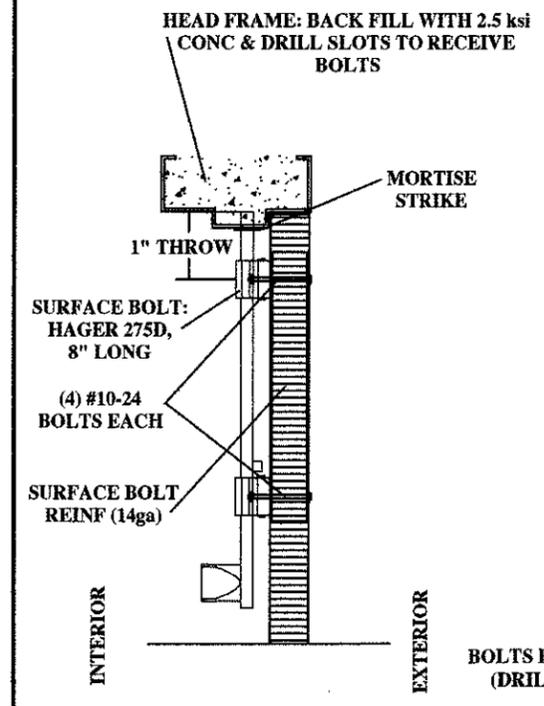
NOTE: ENGAGED POSITION SHOWN

6/6
275D SURFACE BOLT
ISOMETRIC & 2 SIDED DETAIL
(NOT RATED INDIVIDUALLY)

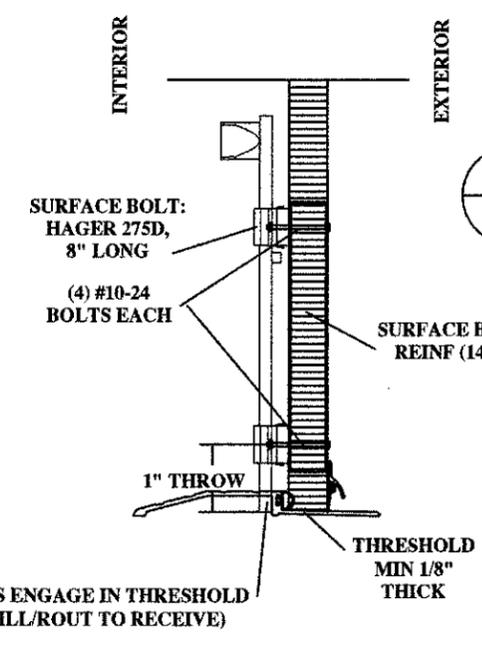
NOTE: SURFACE BOLT STRIKE PLATES CAN BE MORTISE OR ANGLED STRIKE AT TOP AND/OR BOTTOM)



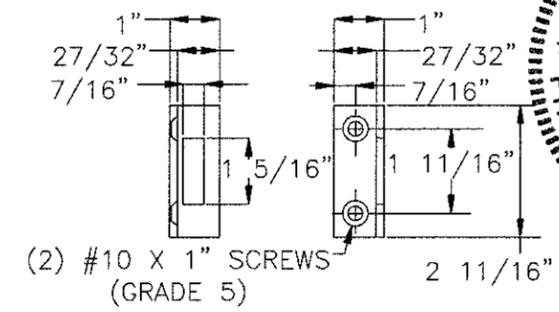
7/6
SURFACE BOLT MORTISE STRIKE
2 SIDED DETAIL



4/6
SURFACE BOLTS AT INACTIVE HEAD
VERTICAL SECTION



5/6
SURFACE BOLTS AT INACTIVE SILL
VERTICAL SECTION



8/6
SURFACE BOLT ANGLED STRIKE
2 SIDED DETAIL

PROJECT NO. 415-0613

REV	DESCRIPTION	DATE	BY
A	REVISED PER MD COMMENTS	7/18/16	IRJA

HAGER COMPANIES
139 VICTOR STREET
ST. LOUIS, MO 63104

DOOR LOCK HARDWARE
3100 SERIES DEADBOLT & 275D SURFACE BOLT

DATE: 03/04/16
DRAWING NO.: HAG0001
SCALE: N.T.S.
SHEET: 6 OF 6

PREPARED BY: J.B.H.
DRAWN BY: N.T.S.

Robert J. Amoruso
Florida P.E. No. 49752

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FBPE Cert. of Authorization NO. 25935

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 16-041915 Expiration Date 8/16/2022

Iskhan I. Chanda
162nd Dept. Product Control