

Door Configuration	Maximum Design Pressure, PSF		Maximum Door Opening Size, in.		Locking Hardware Description				Comments		
	Positive	Negative	Width	Height	Hardware Family	Model/Series	Strike Models	Brand			
1	75	75	48	96	Mortise Lock	L/LV9400, AD-MD, CO-MD, PM400	10-072	Schlage	Functions with deadbolt, 3/4" min. throw latch & 1" min. throw deadbolt		
						LE-MD, LEB-MD	10-072				
						XE360-M-D	10-072				
						MA	ANSI	Falcon			
2	55	55	48	96	Cylindrical Lock	AL	10-025	Schlage	1/2" min. throw latch		
3	65	65	48	96	Cylindrical Lock	D, ND, NDE, NDEB, AD-CY, CO-CY	10-025	Schlage	1/2" min. throw latch		
						ALX, PC	ANSI		1/2" min. throw latch (13-247, 14-028)		
						T,TM	ANSI	Falcon	1/2" min. throw latch (23981145)		
4	75	75	48	96	Cylindrical Lock	D, ND, NDE, NDEB, AD-CY, CO-CY	10-025	Schlage	3/4" min. throw latch		
						ALX, PC	ANSI		3/4" min. throw latch (14-042)		
						T, TM	ANSI	Falcon	3/4" min. throw latch (23981152)		
5	70	70	48	96	Surface Vertical Rod Exit Device	9827, 9927, 9827-F, 9927-F	299F/499F Top, 304L Bottom	Von Duprin			
						HH7827, HH7827-F	299F/499F Top, 304L Bottom				
						F-25-V & 25-V	3788 Top, 2130 Bottom	Falcon			
6	75	75	48	96	Concealed Vertical Rod Exit Device	9847-F, 9947-F, HH9847, HH9947	338 Top, 304L Bottom	Von Duprin	HH98/9947 device has a 2-3/4" backset		
						HH7847, HH7847-F	338 Top, 304L Bottom		HH7847 device has a 2-3/4" backset		
						F-25-C	4188 Top, 2130 Bottom	Falcon			
6A	75	75	48	96	Concealed Vertical Cable Exit Device	3349A, 3549A, 3349A-F, 33549A-F	249 Top, 348 Bottom	Von Duprin			
						9849, 9949, 9849-F, 9949-F	249 Top, 348 Bottom				
7	70	70	48	96	Three-Point Latching Device	9857, 9957, 9857-F, 9957-F	299F/499F Top/Middle, 304L Bottom	Von Duprin			
8	70	70	48	96	Rim Exit Device	98, 99, 98-F, 99-F	299F/499F	Von Duprin			
						HH78, HH78-F					
						88-F	268/468				
9	75/100 SEE NOTE 2.	75/100 SEE NOTE 2.	48	96	Rim Exit Device	XP98, XP99, XP98-F, XP99-F	909/954	Von Duprin			
10	70	70	48	96	Mortise Exit Device	9875, 9975, 9875-F, 9975-F	575	Von Duprin			
						8875 & 8875-F	575	Von Duprin			
						F-25-M & 25-M	1279	Falcon			
11	55	55	48	96	Exit Alarm Lock	2670 GUARD-X	267	Von Duprin			
12	60	60	48	96	Cyl. Deadlock	B600/700/800	10-055	Schlage	1" min. throw deadbolt (12-631)		
13	70	55	48	96	Rim Exit Device	F-25-R & 25-R	299F/499F	Falcon			
14	60	60	48	96	Mortise Lock	L/LV9000, AD-MS, CO-MS, LE-MS, LEB-MS, LE-MB, LEB-MB, PM	10-072	Schlage	Functions without deadbolt, 3/4" min. throw latch		
14A	50	50				XE360-M-B & XE360-M-I					
						MA	ANSI	Falcon			
15	75	75	36	84	Mortise Lock	L/LV9000, AD-MS, CO-MS, LE-MS, LEB-MS, LE-MB, LEB-MB, PM	10-072	Schlage	Functions without deadbolt, 3/4" min. throw latch		
						XE360-M-D					
						MA	ANSI	Falcon			
16	75	75	36	84	Cylindrical Lock	D, ND, NDE, NDEB, AD-CY, CO-CY	10-025	Schlage	1/2" min throw latch		
						ALX, PC	ANSI		1/2" min. throw latch (13-247, 14-028)		
						T, TM	ANSI	Falcon	1/2" min throw latch (23981145)		
17	120	120	36	84	Mortise Lock	L/LV9400, AD-MD, CO-MD, PM400	10-072-Standard	Schlage	Functions with deadbolt, 3/4" min. throw latch & 1" min. Throw deadbolt		
	170	170					10-072 Stainless Steel				
	120	120	36	84		LE-MD & LEB-MD	10-072				
	170	170					10-072 Stainless Steel				
	120	120	36	84		XE360-M-D	10-072	Schlage			
	170	170					10-072 Stainless Steel				
	120	120	36	84		MA	ANSI	Falcon			
	170	170					ANSI - Stainless Steel				
18	55	55	36	84	Tubular Lock	XE360-T	Standard	Schlage	1/2" min. throw latch		

TABLE 1.

NOTES:
1. SEE SHEETS 4, 5, 6, 7 & 8 FOR LOCKING HARDWARE.
2. DOOR CONFIGURATION 9 IS RATED FOR MAXIMUM DESIGN PRESSURE ±100 PSF WHEN WATER INFILTRATION REQUIREMENT IS NOT NEEDED, AND UP TO +75 PSF WHEN WATER INFILTRATION REQUIREMENT IS NEEDED (SEE TABLE 3 ON SHT.3)

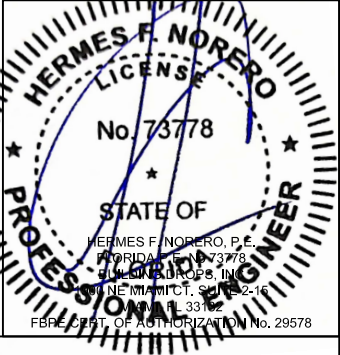
REVISIONS

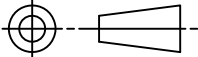
LTR	DESCRIPTION	ENG	DATE
A	APPROVAL DWG	YMF	05/20/07
O	LOCK UPDATE	SM	11/26/19
P	REVISED DWG	SM	10/02/20
Q	LOCK UPDATE	CA	05/19/22
R	CODE UPDATE	DI	08/25/23
S	LOCK UPDATE	JA	10/14/24
T	LOCK UPDATE	DI	12/03/25

COMPLIANCE STATEMENT:
THESE PRODUCTS HAVE BEEN TESTED TO HVHZ PROTOCOLS TAS 201, TAS 202 & TAS 203-94, ASTM PROTOCOLS E283-04(12), E330-14 AND E331-00(09), AND COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE

NOTES:
1. ALL FINISHES, 3' AND 4' DOOR WIDTH MODELS OFFERED.
2. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.
3. THIS COMPONENT DEVICE IS APPROVED AS AN EQUAL ALTERNATE FOR SINGLE 16 GA. STEEL OUTSWING COMMERCIAL DOORS HOLDING CURRENT NOA OR HVHZ COMPLIANT FBC APPROVAL. THE DESIGN PRESSURE RATING OF THE ASSEMBLY SHALL BE EQUAL TO THAT OF THE LOWEST RATED COMPONENT, EITHER THE HARDWARE OR THE DOOR.
4. THE HARDWARE SHOULD BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND NO HIGHER THAN 96".
5. OPTIONAL SIGNAL SWITCH AND POWER TRANSFER UNITS MAY BE USED AS ALLOWED BY CODE AND IF IT DOESN'T AFFECT THE MECHANICAL PROPERTIES OF THE HARDWARE AND/OR INHIBIT EGRESS. TO BE REVIEWED BY BUILDING OFFICIAL.
6. THIS HARDWARE CAN BE INSTALLED AS PART OF IMPACT RESISTANT UNIT.
7. FIRE RATING IS NOT PART OF THIS APPROVAL, CONSULT MANUFACTURER FOR APPROVED CONFIGURATIONS.
8. INSTALL HARDWARE IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS OR AS REQUIRED BY THIS APPROVAL.

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2025.12.11 14:30:03 -05'00'



BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
		TITLE: HARDWARE FOR SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS			
DRAWN YMF	DATE 05/20/07	FLORIDA BUILDING CODE PRODUCT APPROVAL FLUSH OUTSWING DOORS AND HARDWARE CONFIGURATIONS COMMERCIAL DOOR OPENING SINGLE FLUSH DOORS.			
CHECKED					
APPROVED		SIZE	FLAT	DWG NO. IRFS07C	REV T
ENG. APPVL JPD	10/11/07	SCALE:	NTS	AUTOCAD	FL14482.5
		SHEET	1	of	8

ITEM NUMBER	MODEL No./ DESCRIPTION	MFG.
11A	566 THRESHOLD	ZERO INT'L
14	FAS-SEAL SWEEP	STEELCRAFT
15	END CHANNEL	STEELCRAFT
18A	188S DOOR SEAL	ZERO INT'L
20A	139 DOOR SWEEP	ZERO INT'L
20B	328 DOOR SWEEP	ZERO INT'L
21A	475 ADJUSTABLE SEAL	ZERO INT'L
22A	142 RAIN DRIP	ZERO INT'L
22B	11 RAIN DRIP	ZERO INT'L
23	DOOR TOP CAP	STEELCRAFT

11A ZERO INT'L 566 SERIES THRESHOLD
UP TO MAX. DESIGN PRESSURE +/- 75 PSF
(SEE SHEET 1)

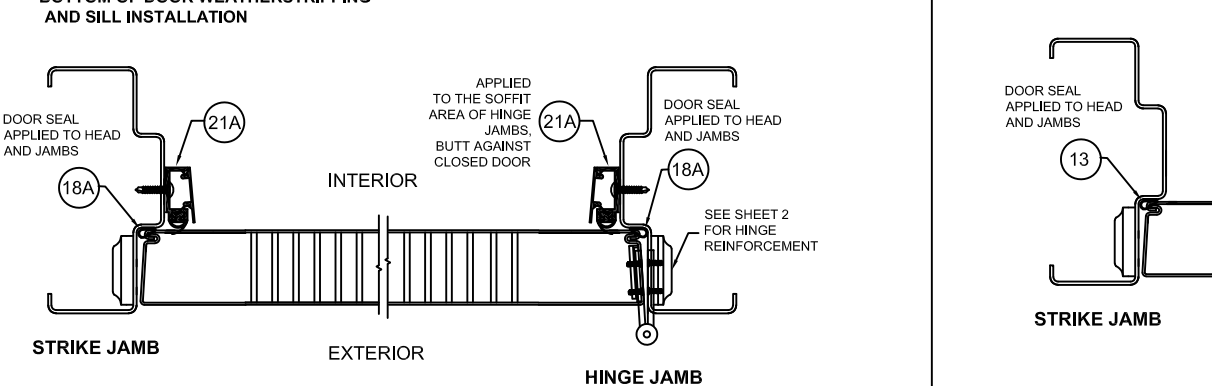
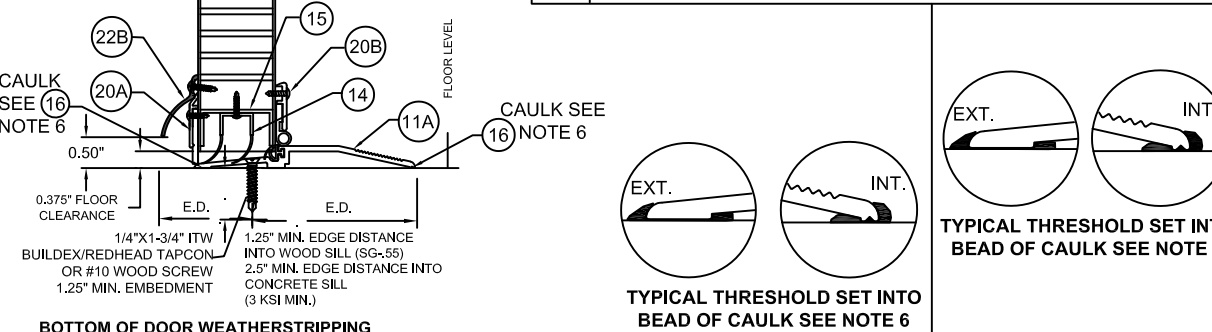
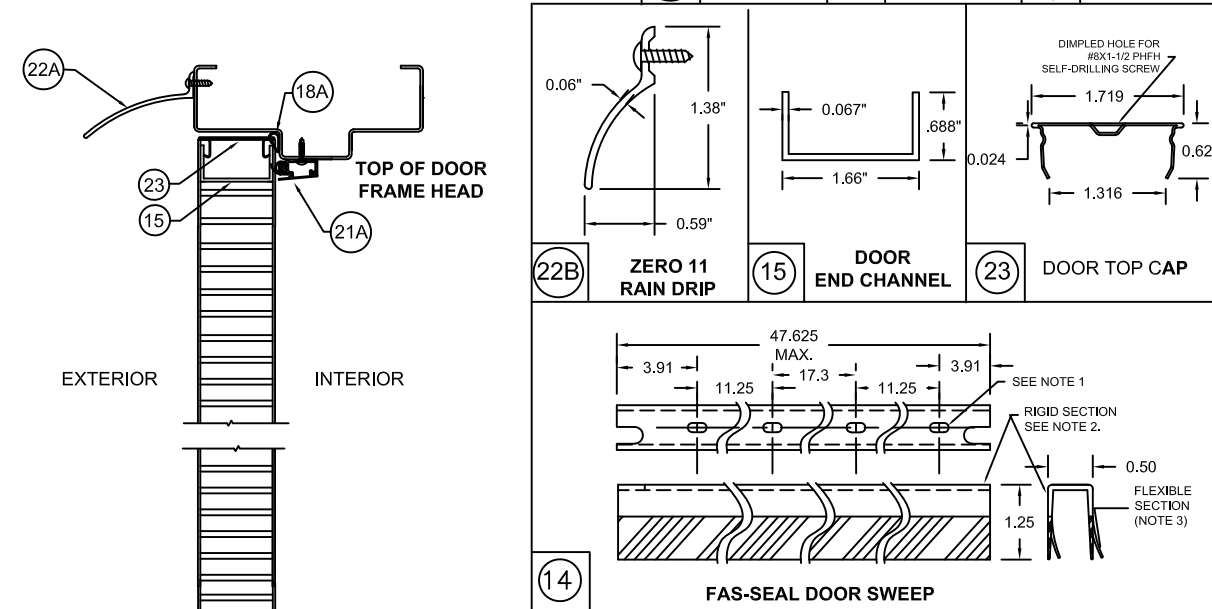
22A ZERO 142 RAIN DRIP
#6x.50" SMS
.088"

21A ZERO 475 ADJUSTABLE SEAL
Snap-On Cover (Tamper Proof)

18A ZERO 188S DOOR SEAL
0.25"
0.50"

20A ZERO 139 DOOR SWEEP
0.2"
1.25"
0.07"

20B ZERO 328 DOOR SWEEP
0.2"
1.00"



ITEM NUMBER	MODEL No./ DESCRIPTION		MFG.
11	11A	566 THRESHOLD	ZERO INT'L
	11B	65 THRESHOLD	ZERO INT'L
	11C	568 THRESHOLD	ZERO INT'L
13	13A	PS074 DOOR SEAL	STEELCRAFT
	13B	188S DOOR SEAL	ZERO INT'L
	13C	117S DOOR SEAL	ZERO INT'L
	13D	8144S DOOR SEAL	ZERO INT'L
	13E	8150S DOOR SEAL	ZERO INT'L
14		FAS-SEAL SWEEP	STEELCRAFT
15		END CHANNEL	STEELCRAFT
20A	139	DOOR SWEEP	ZERO INT'L
20B	328	DOOR SWEEP	ZERO INT'L
20C	39	DOOR SWEEP	ZERO INT'L

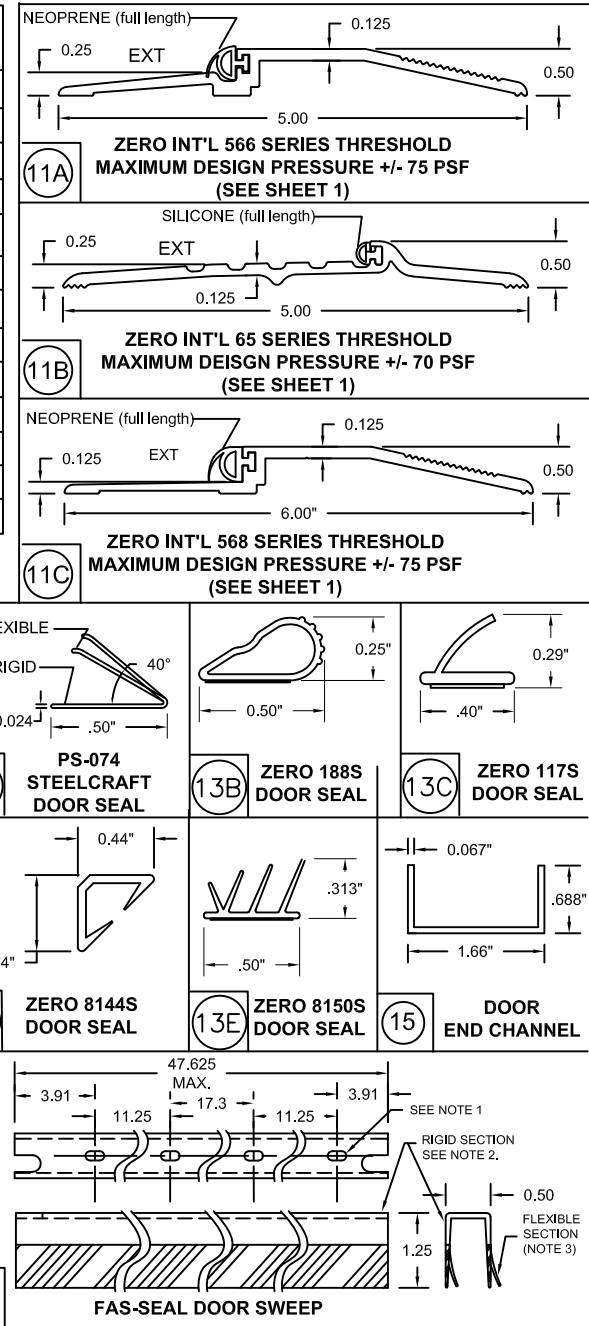
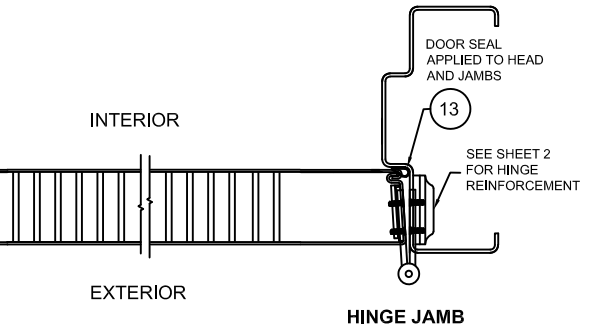
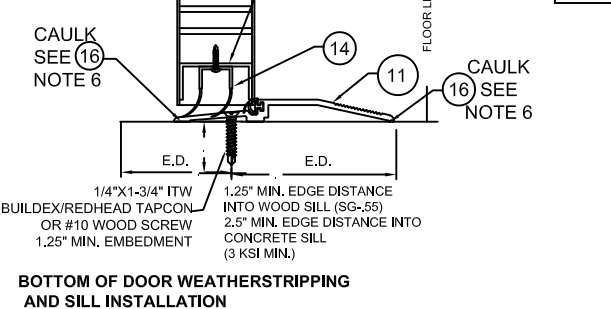
Diagram illustrating the door frame head and sill details. The diagram shows the exterior and interior views of the door frame head and sill.

Exterior View (Top): Shows the door frame head (13) and the sill (15). The door is labeled "TOP OF DOOR FRAME HEAD".

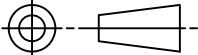
Interior View (Bottom): Shows the door frame head (13) and the sill (15). The door is labeled "TOP OF DOOR FRAME HEAD".

Labels:

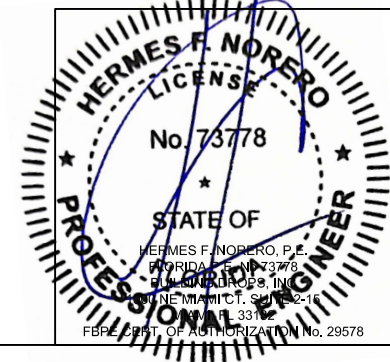
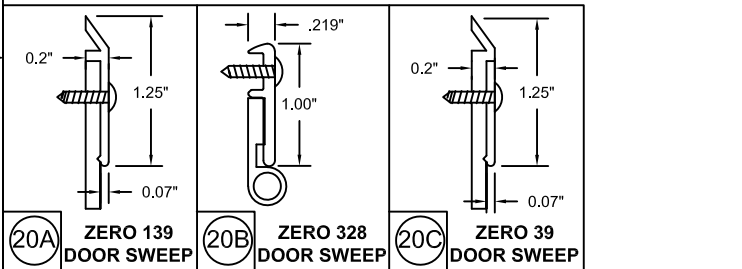
- 13: Door frame head
- 15: Sill
- 13A: Exterior view of the door frame head
- 13D: Interior view of the door frame head
- 14: Interior view of the door frame head

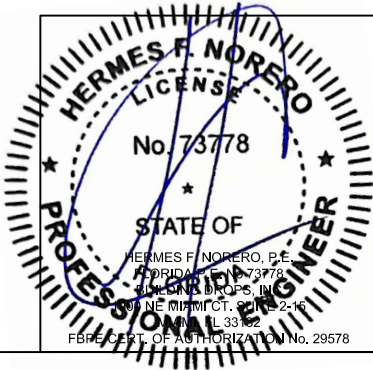


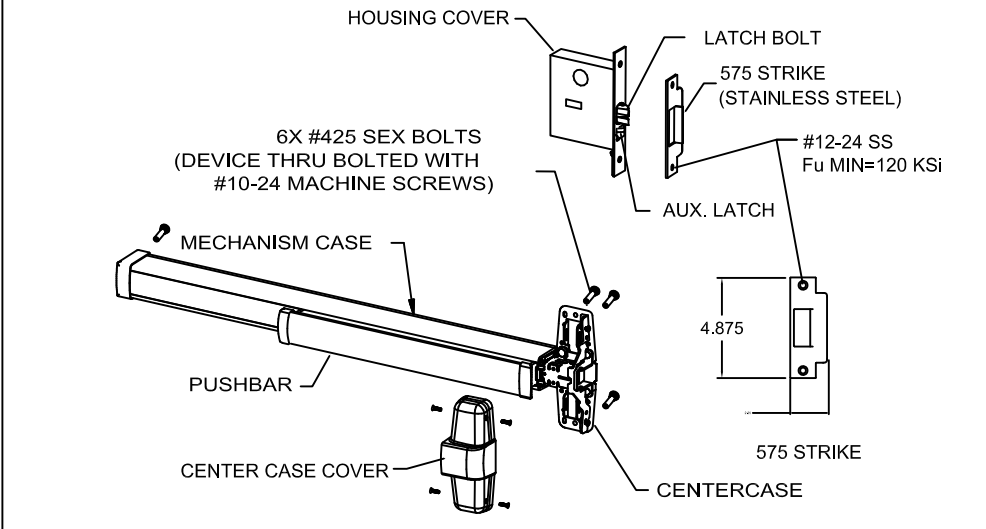
- NOTES:
1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
 2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER.
 3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73
 4. FAS-SEAL DOOR SWEEP (14), AND THRESHOLD (11A OR 11B) ARE REQUIRED FOR ALL INSTALLATIONS.
 5. SEAL ALL JOINTS WHERE FRAME MEETS WALL WITH BUTYL RUBBER OR SILICONE CAULK
 6. INSTALL THRESHOLD INTO BEAD OF BUTYL RUBBER OR SILICONE CAULK FULL LENGTH OF SILL

BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
					
THIRD ANGLE PROJECTION		TITLE: HARDWARE FOR SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS			
DRAWN YMF	DATE 05/20/07	SINGLE FLUSH DOOR PERIMETER SEAL HARDWARE APPROVED WHERE WATER INFILTRATION IS REQUIRED AND WHERE WATER IN FILTRATION IS <u>NOT</u> REQUIRED			
CHECKED					
APPROVED		SIZE	FLAT	DWG NO.	REV
				IRFS07C	T
ENG. APPVL JPD	10/11/07	SCALE:	NTS	AUTOCAD	FL14482.5
				SHEET	3 of 8

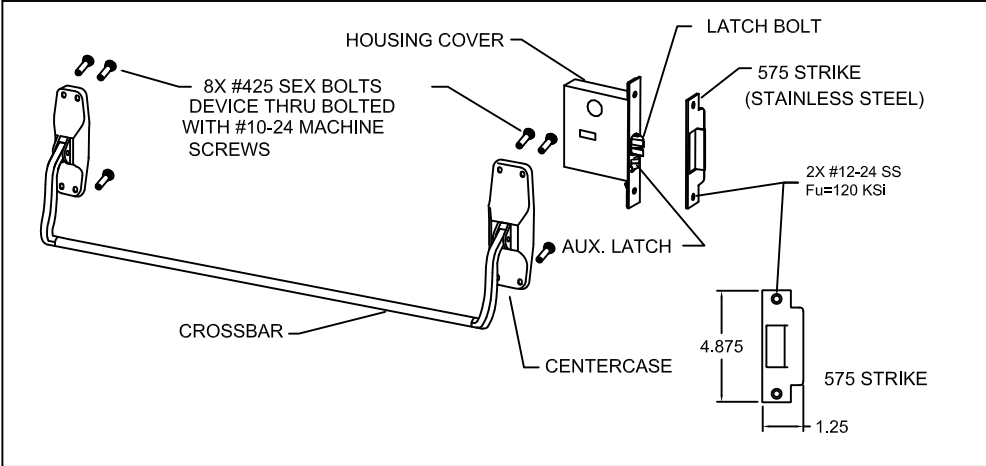
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A	APPROVAL DWG	YMF	05/20/07
O	LOCK UPDATE	SM	11/26/19
P	REVISED DWG	SM	10/02/20
Q	LOCK UPDATE	CA	05/19/22
R	CODE UPDATE	DI	08/25/23
S	LOCK UPDATE	JA	10/14/24
T	LOCK UPDATE	DI	12/03/25



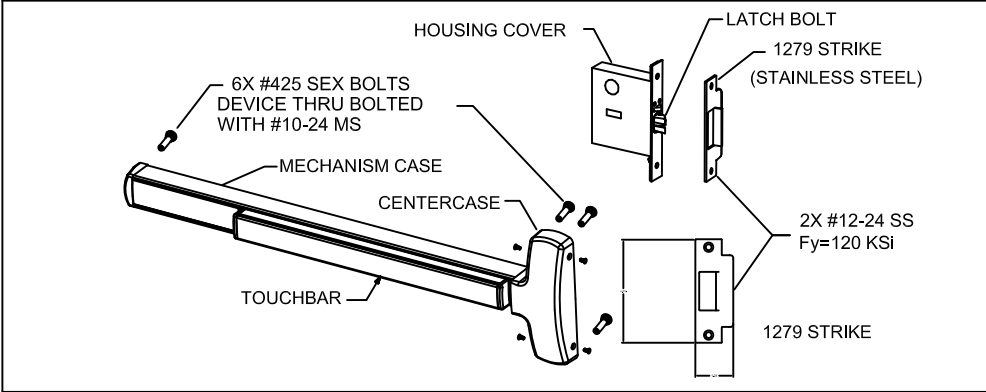
			
		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032	
ION ATE /20/07 DATE		TITLE: HARDWARE FOR SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS WITH AND WITHOUT PANIC EXIT DEVICES	
		EXIT HARDWARE OPTIONS FOR FLUSH SINGLE DOORS	
DATE	SIZE	FLAT	DWG NO.
			IRFS07C
DATE	SCALE:		REV
/11/07	NTS	AUTOCAD	T
	FL14482.5	SHEET	4 of 8



MORTISE EXIT DEVICE VON DUPRIN 9875, 9975, 9875-F & 9975-F
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

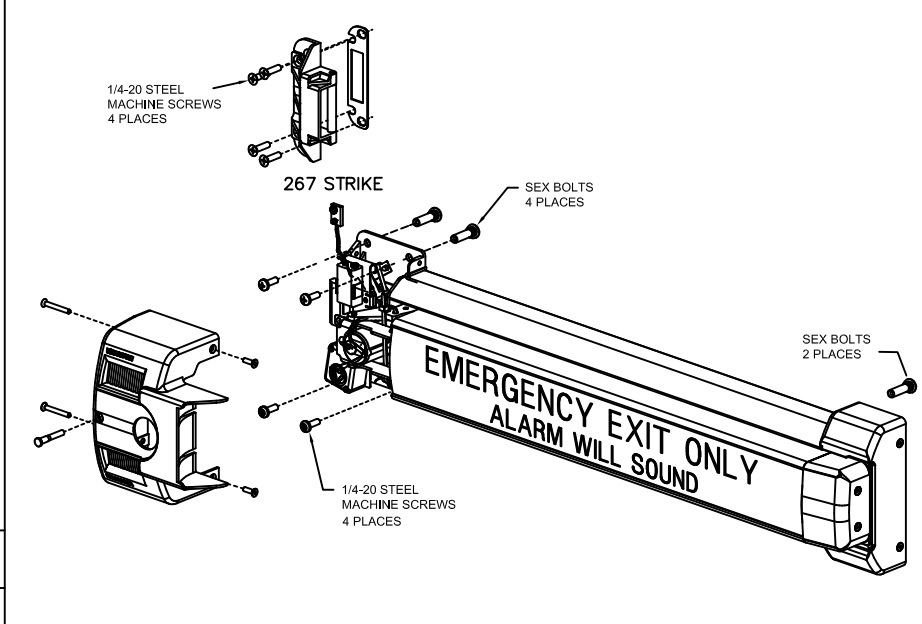


MORTISE EXIT DEVICE VON DUPRIN 8875 & 8875-F
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

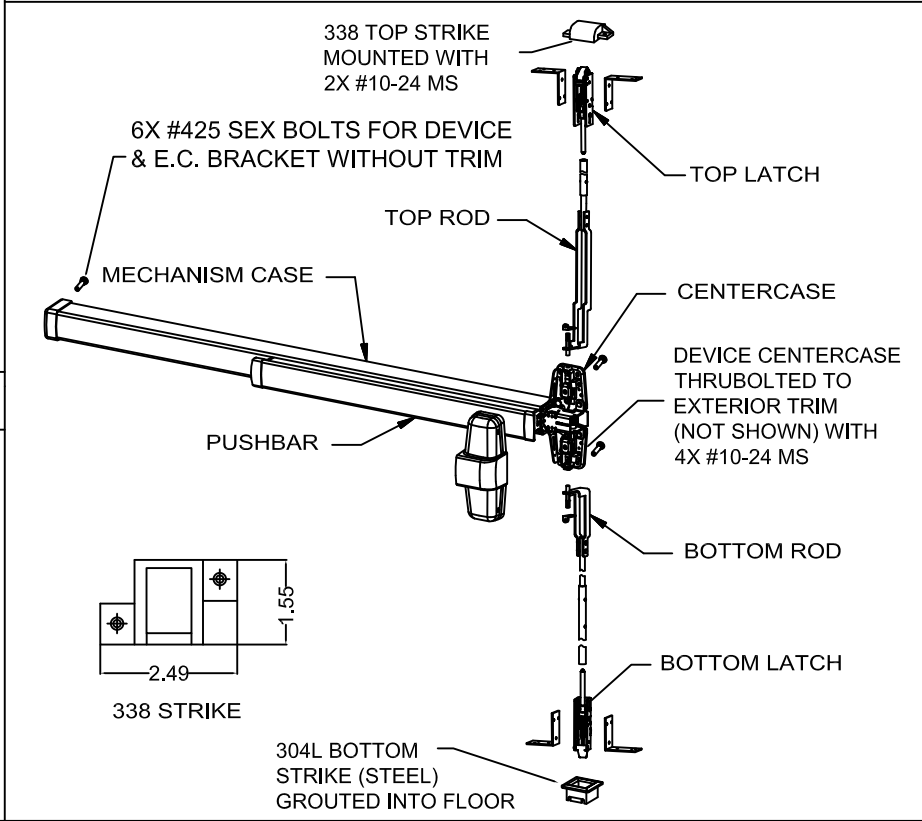


MORTISE EXIT DEVICE FALCON F-25-M & 25-M
USED IN DOOR CONFIGURATION 10 (SEE SHT.1)

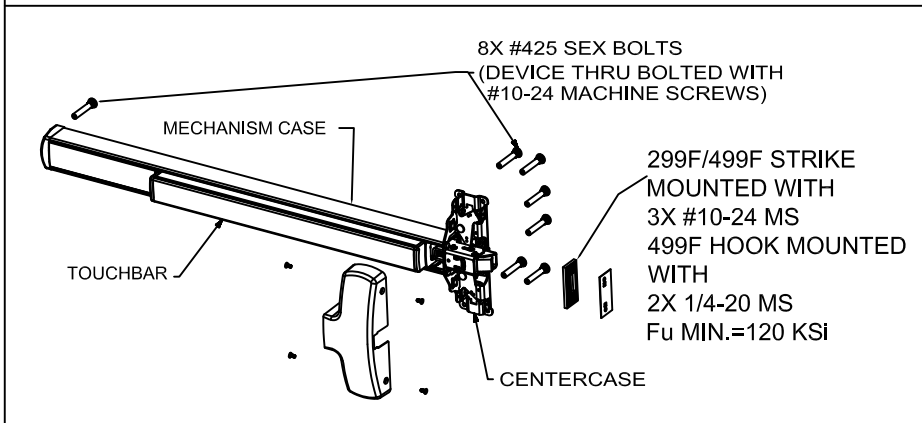
NOTES:
1. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.
2. EXIT HARDWARE OPTIONS:
FOR 98/99, XP98/99, HH78 & HH98/99 SERIES - E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN TRIMS: ALL APPLICABLE TRIMS AVAILABLE.
FOR 88-F SERIES RIM - OPTION E TRIMS: ALL APPLICABLE TRIMS AVAILABLE. PN MODEL OFFERED.
FOR 2670 GUARD-X; TRIMS: ALL APPLICABLE TRIMS AVAILABLE.
FOR FALCON (F)25-R, (F)25-M, F-25-C & (F)25-V SERIES - FUNCTIONS AE, DM, LM, KOR, MEL, EA, FSA, FSE, CD, RX, LD TRIMS: ALL APPLICABLE TRIMS AVAILABLE.



EXIT ALARM LOCK VON DUPRIN 2670 GUARD-X
USED IN DOOR CONFIGURATION 11 (SEE SHT.1)

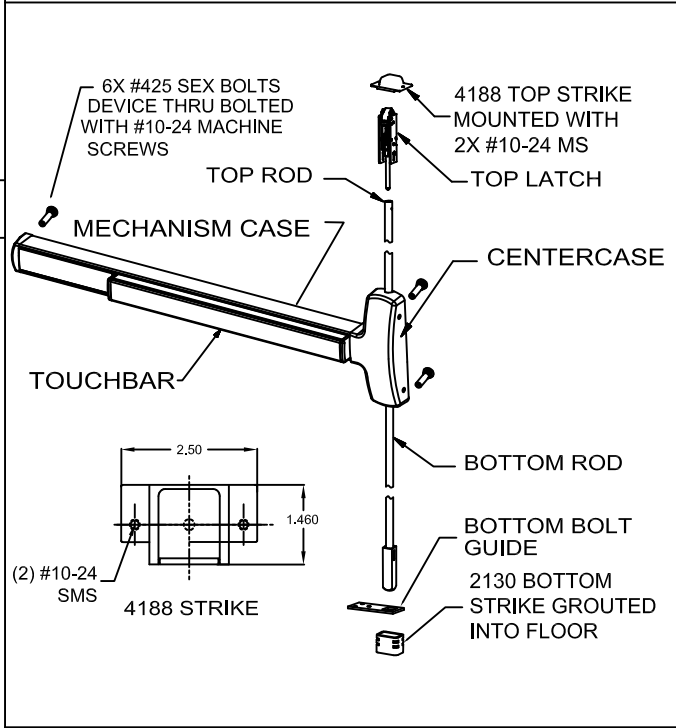


CONCEALED VERTICAL ROD EXIT DEVICE VON DUPRIN 98/9947-F, HH98/9947, HH7847 & HH7847-F WITH 2-3/4" BACKSET
USED IN DOOR CONFIGURATION 6 (SEE SHT.1)

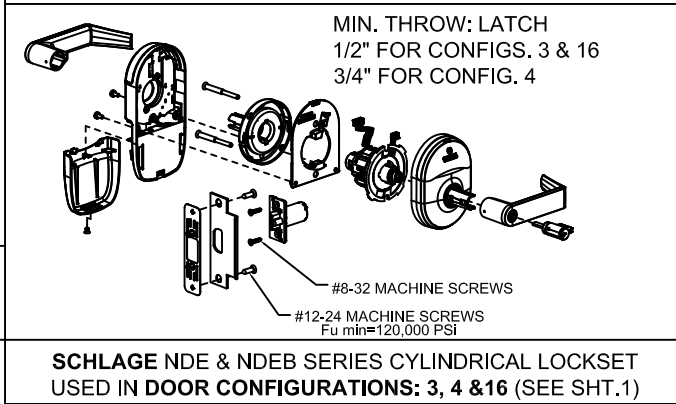


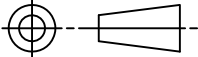
RIM EXIT DEVICE FALCON F-25-R & 25-R
USED IN DOOR CONFIGURATION 13 (SEE SHT.1)

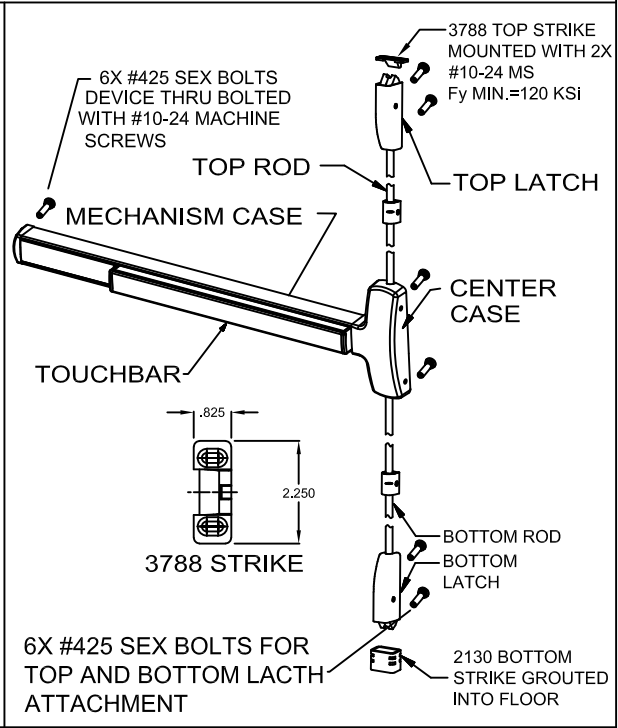
REVISIONS			
LTR	DESCRIPTION	ENG	DATE
A	APPROVAL DWG	YMF	05/20/07
O	LOCK UPDATE	SM	11/26/19
P	REVISED DWG	SM	10/02/20
Q	LOCK UPDATE	CA	05/19/22
R	CODE UPDATE	DI	08/25/23
S	LOCK UPDATE	JA	10/14/24
T	LOCK UPDATE	DI	12/03/25



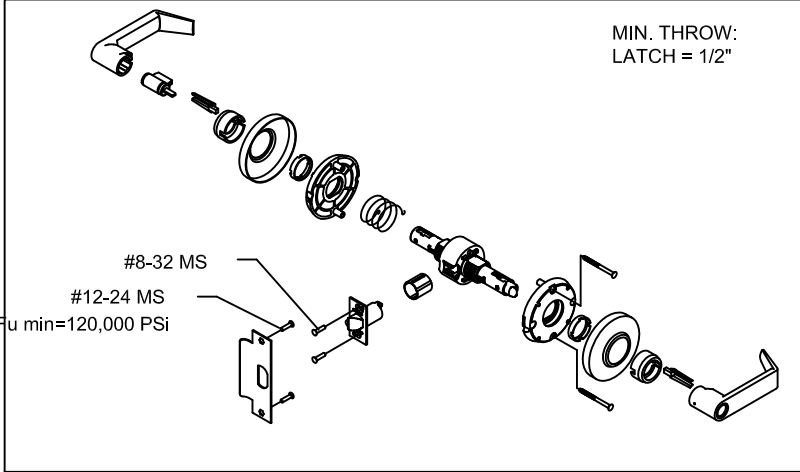
CONCEALED VERTICAL ROD EXIT DEVICE FALCON F-25-C
USED IN DOOR CONFIGURATION 6 (SEE SHT.1)



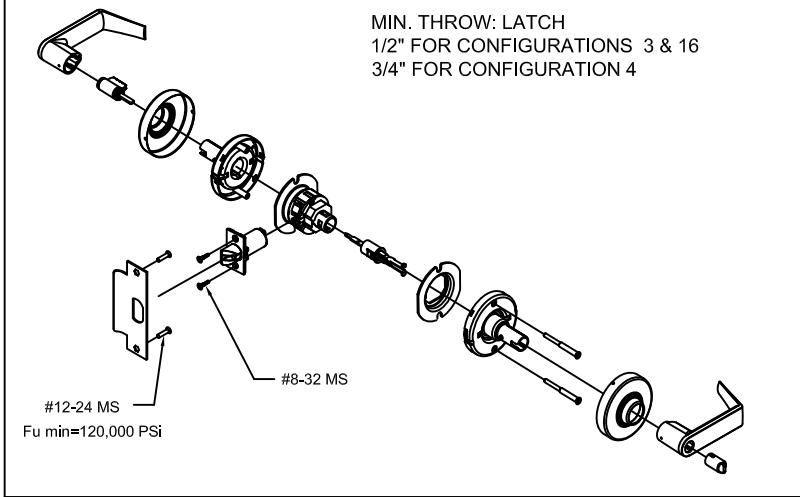
BEND RADIUS		ALLEGION-SCHLAGE LOCK 11819 N. PENNSYLVANIA ST CARMEL, IN 46032	
			
THIRD ANGLE PROJECTION		TITLE: HARDWARE FOR SINGLE P	
DRAWN YMF	DATE 05/20/07	HARDWARE OPTIONS	
CHECKED			
APPROVED		SIZE	FLAT
ENG. APPVL JPD	10/11/07	SCALE:	NTS
		AUTOCAD	



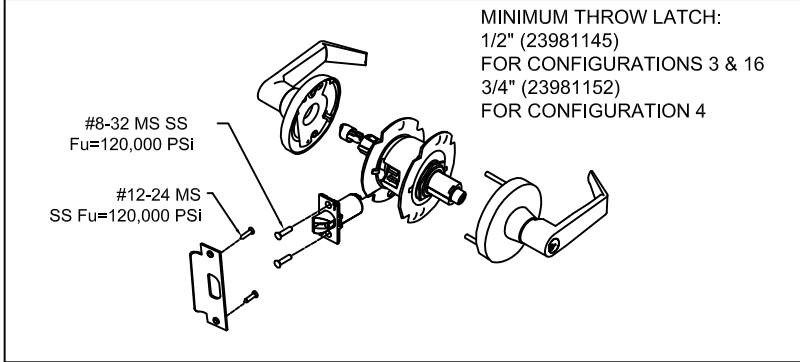
SURFACE VERTICAL ROD EXIT DEVICE
FALCON F-25-V & 25-V
USED IN DOOR CONFIGURATION 5 (SEE SHT.1)



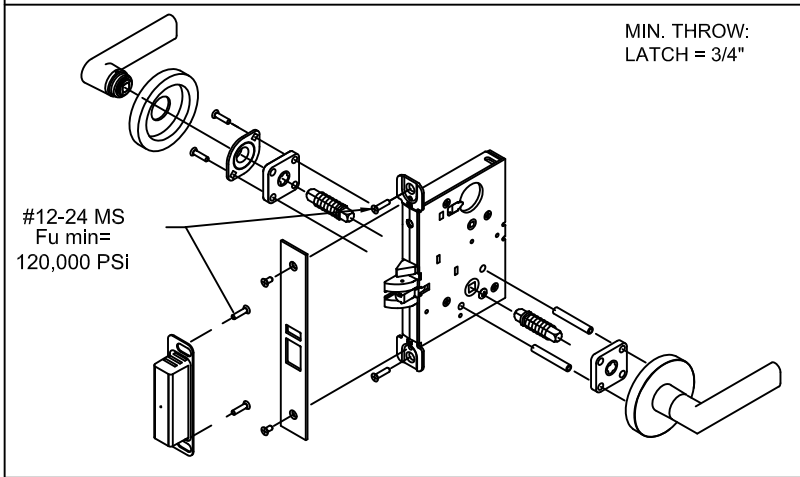
SCHLAGE AL-SERIES CYLINDRICAL LOCKSET WITH 1/2" THROW LATCH USED IN **DOOR CONFIGURATION 2** (SEE SHT.1)



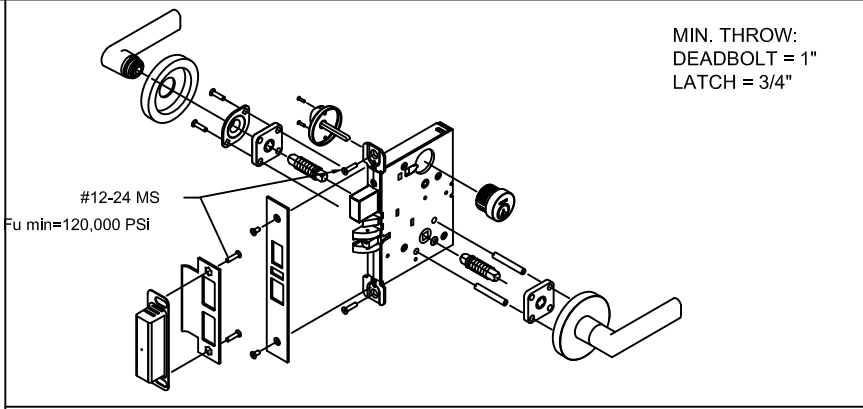
SCHLAGE D/ND-SERIES CYLINDRICAL LOCKSET USED IN **DOOR CONFIGURATIONS 3, 4 & 16** (SEE SHT.1)



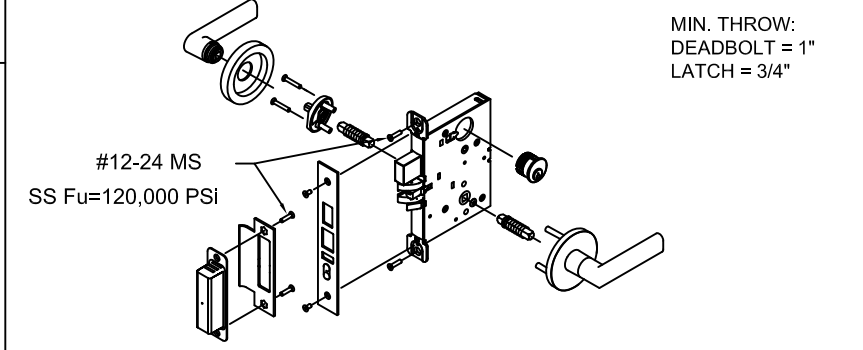
FALCON T & TM-SERIES CYLINDRICAL LOCKSET USED IN **DOOR CONFIGURATIONS 3, 4, & 16** (SEE SHT.1)



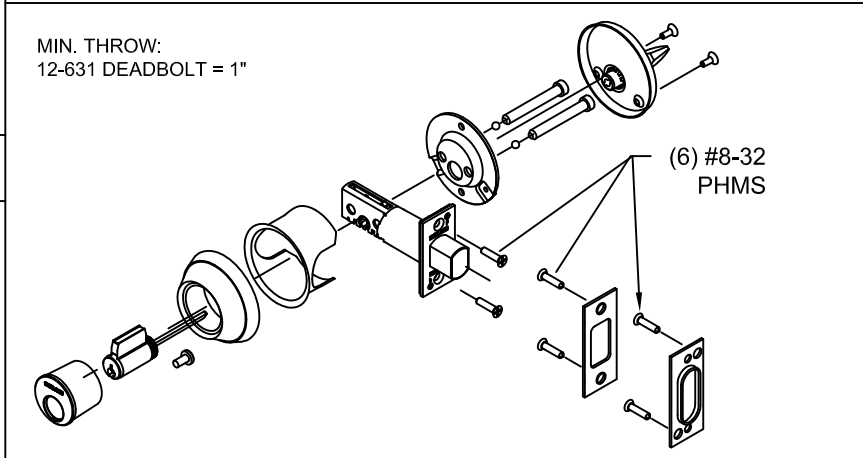
SCHLAGE L/LV 9000 & PM SERIES MORTISE **LOCKSET** WITHOUT DEADBOLT USED IN **DOOR CONFIGURATIONS 14 & 15** (SEE SHT.1)



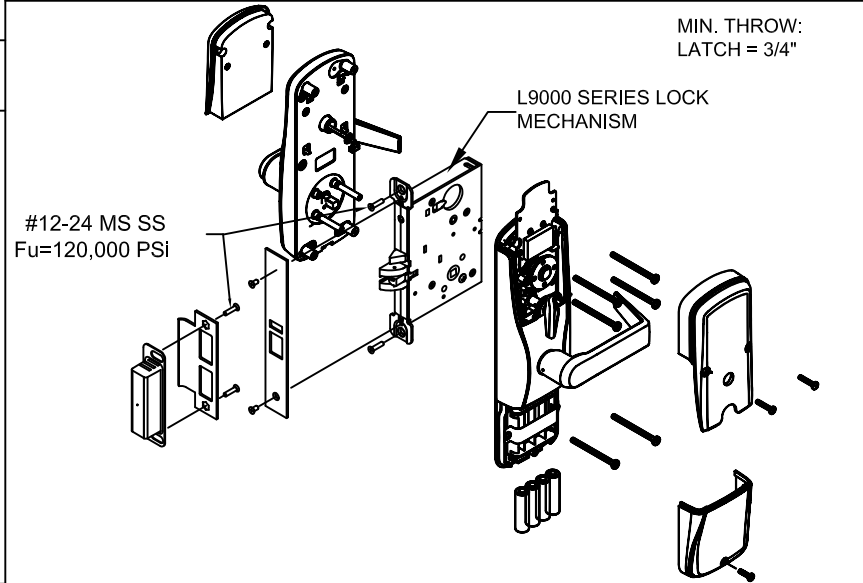
SCHLAGE L/LV 9400 & PM400SERIES MORTISE LOCKSET WITH DEADBOLT FUNCTION USED IN **DOOR CONFIGURATION 1 & 17** (SEE SHT.1)



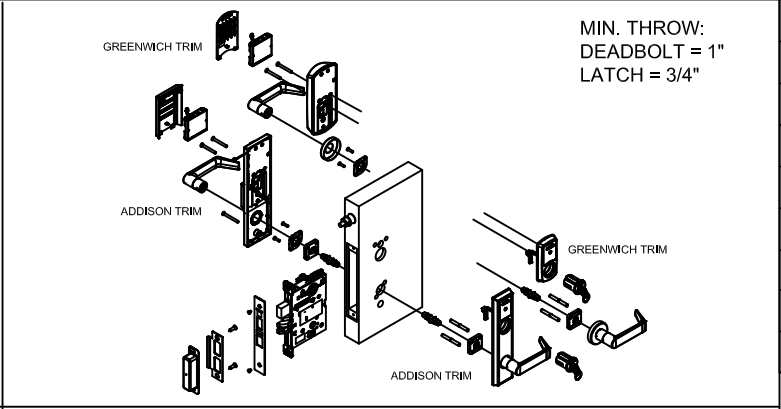
FALCON MA-SERIES MORTISE LOCKSET WITH DEADBOLT FUNCTION USED IN **DOOR CONFIGURATION 1 & 17** (SEE SHT.1)



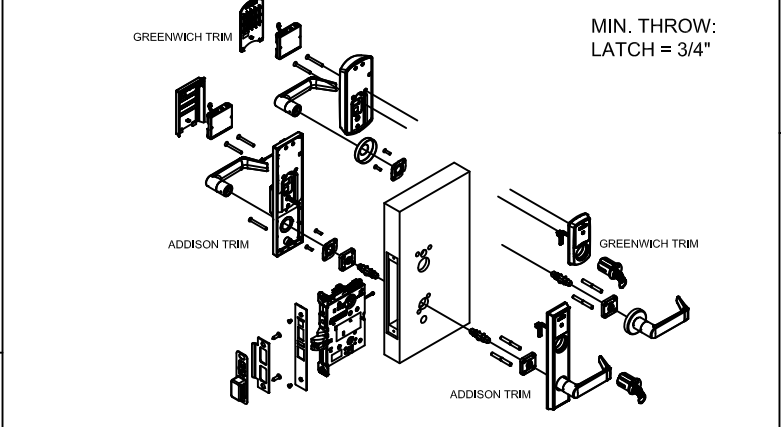
SCHLAGE B600/700/800 CYLINDRICAL DEADLOCK USED IN **DOOR CONFIGURATION 12** (SEE SHT.1)



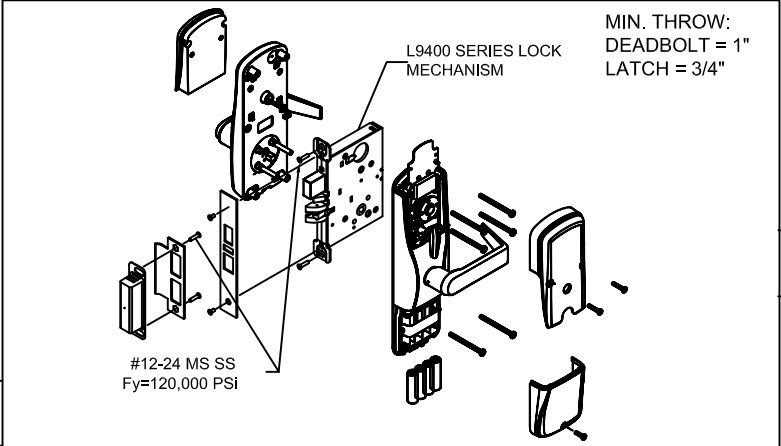
SCHLAGE AD-MS & CO-MS SERIES MORTISE LOCKSET WITHOUT DEADBOLT USED IN **DOOR CONFIGURATIONS 14 & 15** (SEE SHT.1)



SCHLAGE LE-MD & LEB-MD SERIES MORTISE LOCKSET WITH DEADBOLT FUNCTION USED IN **DOOR CONFIGURATION 1 & 17** (SEE SHT.1)

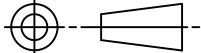


SCHLAGE LE-MS, LEB-MS, LE-MB, & LEB-MB SERIES MORTISE LOCKSET W/O DEADBOLT USED IN **DOOR CONFIGURATIONS 14 & 15** (SEE SHT.1)

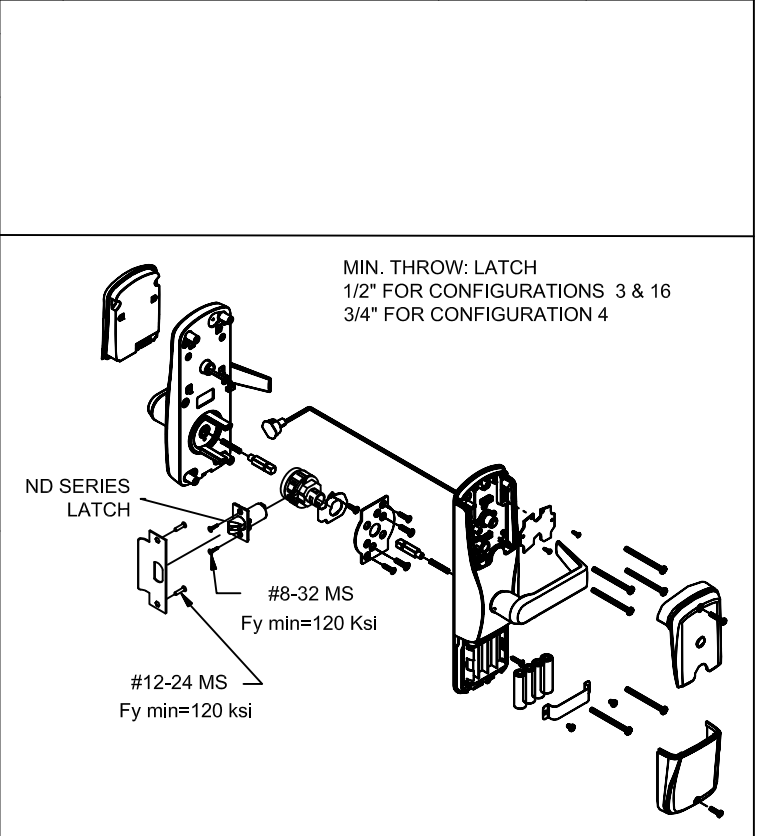


SCHLAGE AD-MD & CO-MD SERIES MORTISE LOCKSET W/ DEADBOLT USED IN **DOOR CONFIGURATION 1 & 17** (SEE SHT.1)

NOTE:
ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.

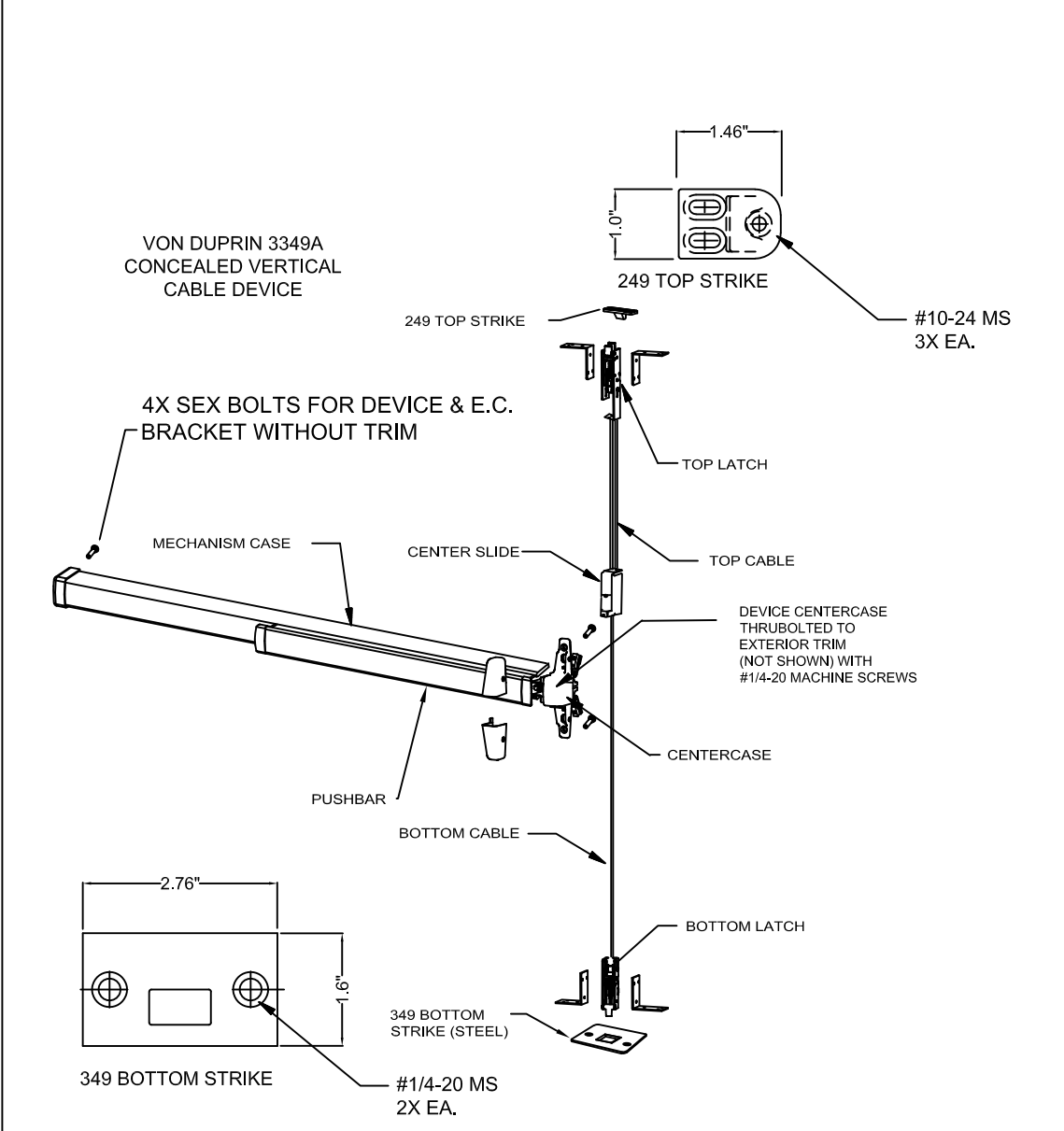
BEND RADIUS		ALLEGION-SCHLAGE 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
					
THIRD ANGLE PROJECTION		TITLE: HARDWARE FOR			
DRAWN	DATE	HARDWARE OPTIONS			
YMF	05/20/07				
CHECKED					
APPROVED		SIZE	FLAT		
ENG. APPVL		SCALE:			
JPD	10/11/07	NTS			

REVISIONS			
LTR	DESCRIPTION	ENG	DATE
A	APPROVAL DWG	YMF	05/20/07
O	LOCK UPDATE	SM	11/26/19
P	REVISED DWG	SM	10/02/20
Q	LOCK UPDATE	CA	05/19/22
R	CODE UPDATE	DI	08/25/23
S	LOCK UPDATE	JA	10/14/24
T	LOCK UPDATE	DI	12/03/25

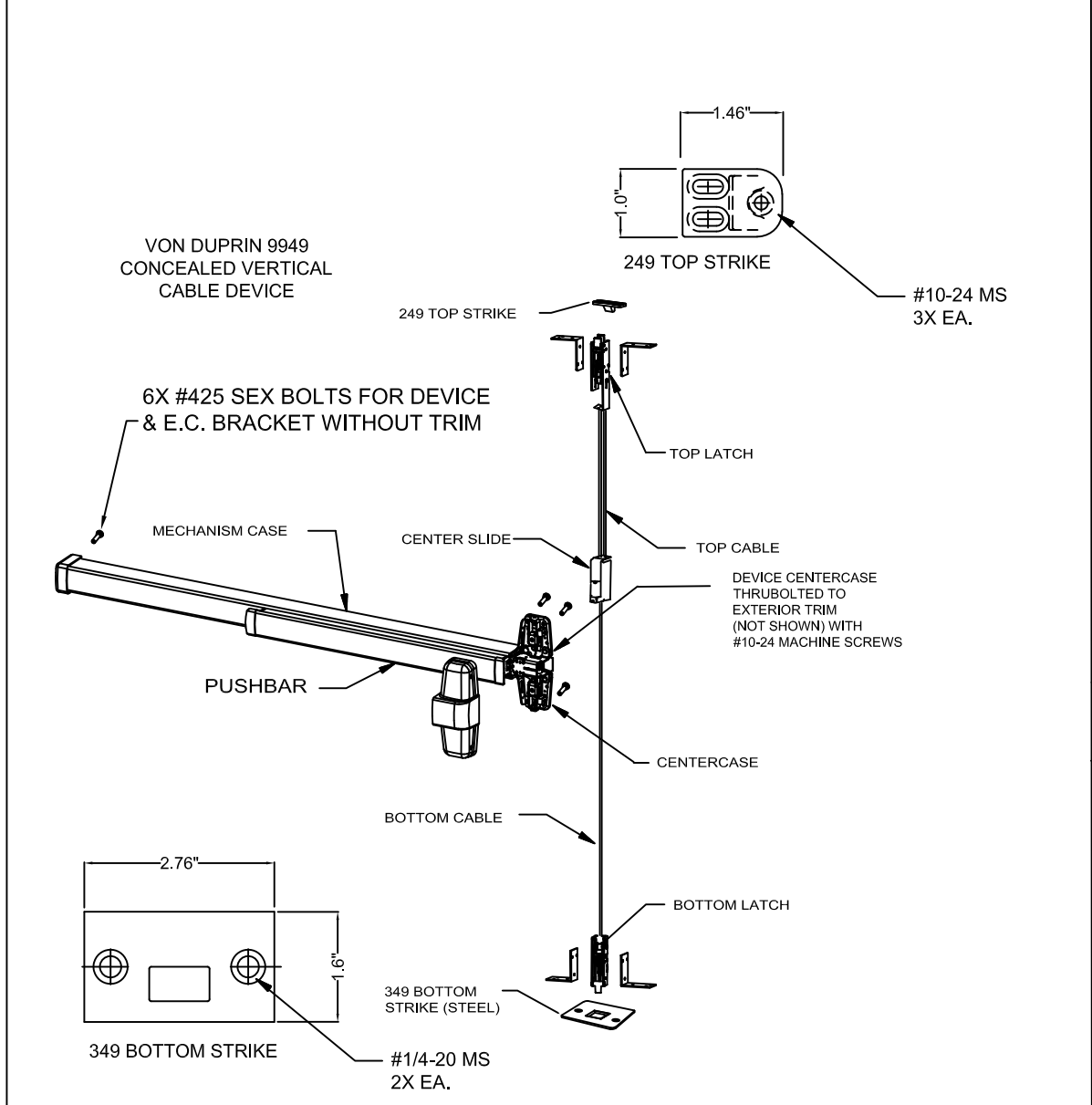


SCHLAGE AD-CY & CO-CY SERIES CYLINDRICAL LOCKSET USED IN **DOOR CONFIGURATIONS 3 & 4** (SEE SHT.1)

ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
TITLE: HARDWARE FOR SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS			
HARDWARE OPTIONS FOR FLUSH SINGLE DOORS.			
SIZE	FLAT	DWG NO.	REV
		IRFS07C	T
SCALE:	NTS	AUTOCAD	FL14482.5
		SHEET	6 of 8

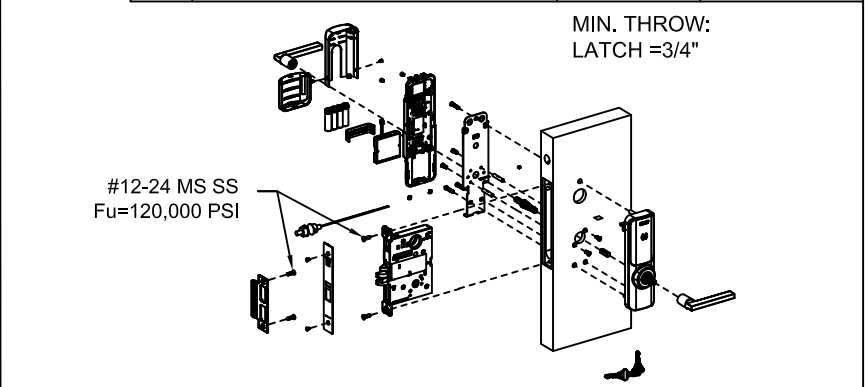


VON DUPRIN CONCEALED VERTICAL CABLE EXIT DEVICE 3349A, 3549A, 3349A-F, 3549A-F
USED IN DOOR CONFIGURATION: 6A

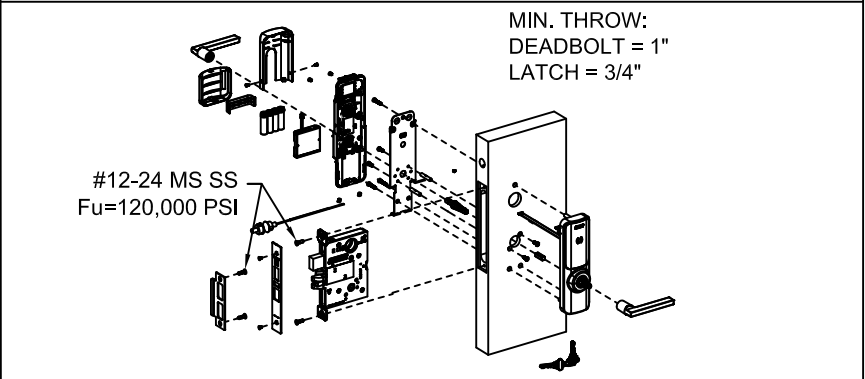


VON DUPRIN CONCEALED VERTICAL CABLE EXIT DEVICE 9849, 9949, 9849-F, 9949-F
USED IN DOOR CONFIGURATION: 6A

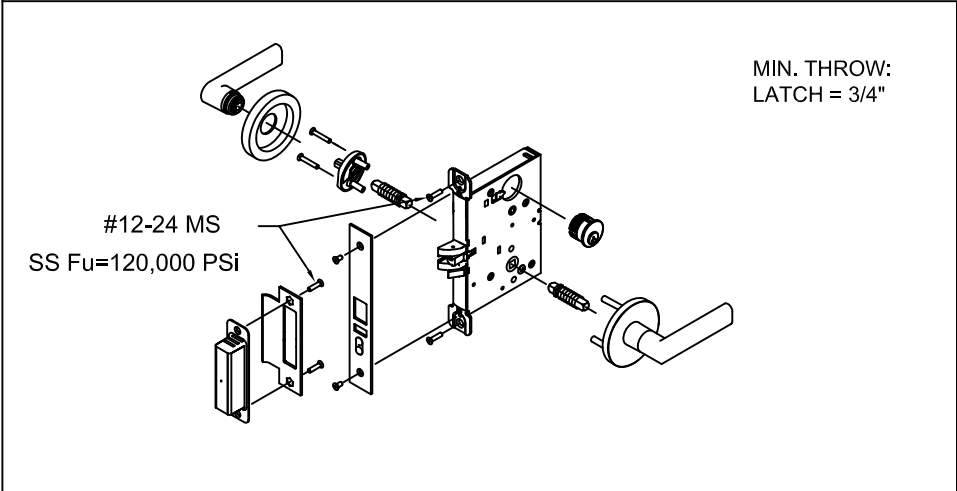
REVISIONS			
LTR	DESCRIPTION	ENG	DATE
A	APPROVAL DWG	YMF	05/20/07
O	LOCK UPDATE	SM	11/26/19
P	REVISED DWG	SM	10/02/20
Q	LOCK UPDATE	CA	05/19/22
R	CODE UPDATE	DI	08/25/23
S	LOCK UPDATE	JA	10/14/24
T	LOCK UPDATE	DI	12/03/25



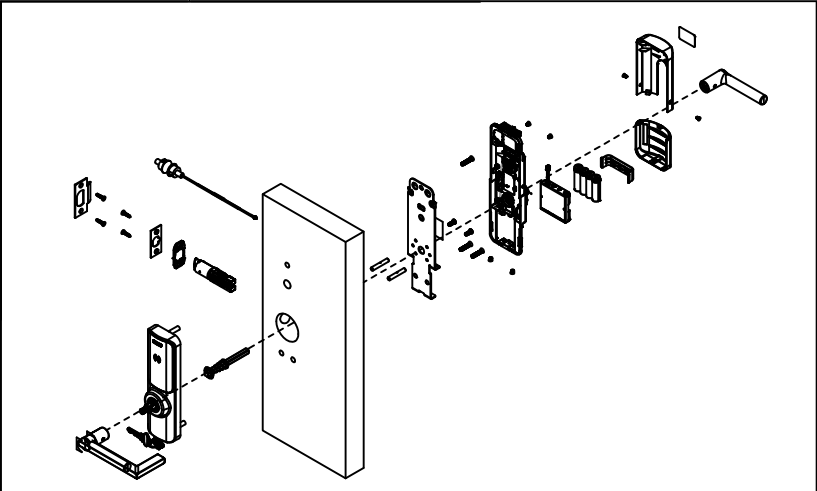
SCHLAGE MORTISE LOCKSET W/O DEADBOLT DEVICE
XE360-M-B & XE-360-M-I
USED IN DOOR CONFIGURATION: 14



SCHLAGE MORTISE LOCKSET W/ DEADBOLT DEVICE
XE360-M-D
USED IN DOOR CONFIGURATION: 1, 15 & 17

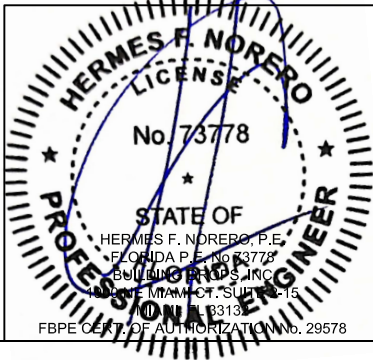


FALCON MA-SERIES MORTISE LOCKSET W/O DEADBOLT FUNCTION
USED IN DOOR CONFIGURATIONS: 14A & 15

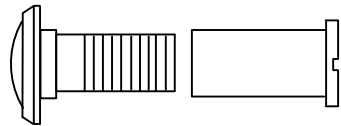


SCHLAGE XE360-T TUBULAR LOCKSET WITH 1/2" THROW LATCH
USED IN DOOR CONFIGURATION 18

NOTES:
1. ELECTRIFIED AND FIRE RATED OPTIONS OF APPROVED HARDWARE ARE ACCEPTABLE. INSTALLATION AND APPLICATION IS UNDER SEPARATE APPROVAL AND IS REVIEWED BY THE CORRESPONDING AUTHORITY.
2. EXIT HARDWARE OPTIONS:
FOR 98/99 SERIES - OPTIONS E, RX, LX, SS, EL, QEL, CX, F, ALK, CD, PN (OPTIONS MAY VARY PER SERIES)
TRIMS: ALL APPLICABLE TRIMS AVAILABLE..
FOR 33/35-F SERIES - OPTIONS RX, LX, E, QEL, EL, SS, CX, F, ALK, CD, PN, LD
TRIM: ALL APPLICABLE TRIMS AVAILABLE.

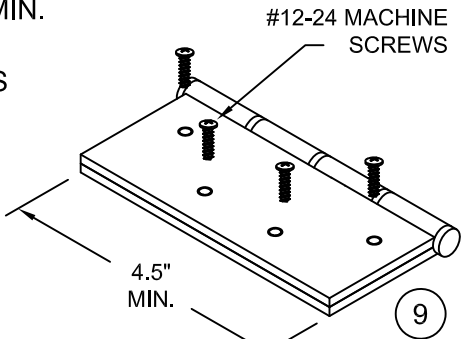


BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
THIRD ANGLE PROJECTION		TITLE: HARDWARE FOR SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS			
DRAWN JPD	DATE 10/25/12	HARDWARE OPTIONS FOR FLUSH SINGLE DOORS			
CHECKED	CDATE				
APPROVED	ADATE	SIZE	FLAT	DWG NO.	REV
ENG. APPVL X	EDATE 10/25/12			IRFS07C	T
SCALE:		NTS	AUTOCAD	FL14482.5	SHEET 7 OF 8

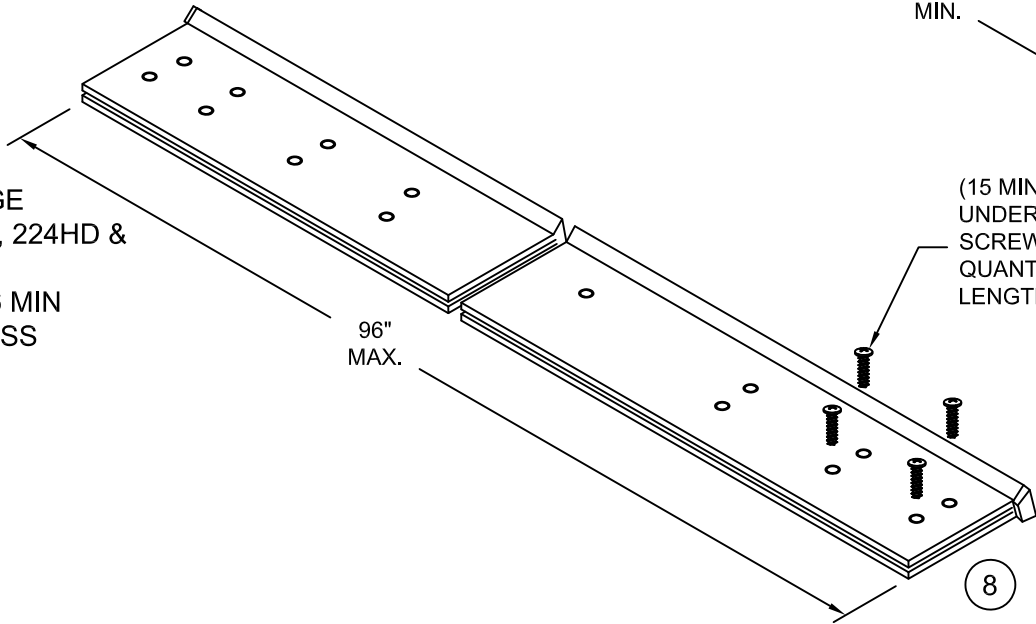


24 IVES 698/U698 DOOR VIEWER
APPLICATION LIMITED TO +/- 75 PSF
DESIGN PRESSURE OR LESS

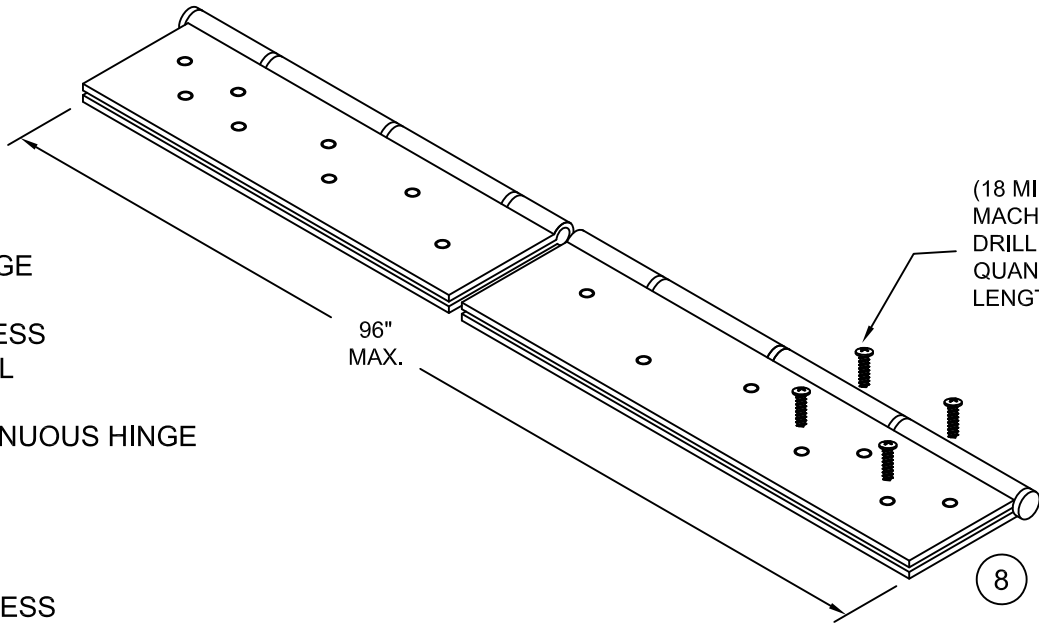
BUTT HINGE
4.5" X 4.5" STD. WT. MIN.
IVES 5BB1/3CB1
.134" MIN. THICKNESS
Fy MIN. = 36ksi



CONTINUOUS HINGE
IVES 112HD, 112XY, 224HD &
224XY
ALUMINUM 6036-T6 MIN
.110" MIN. THICKNESS



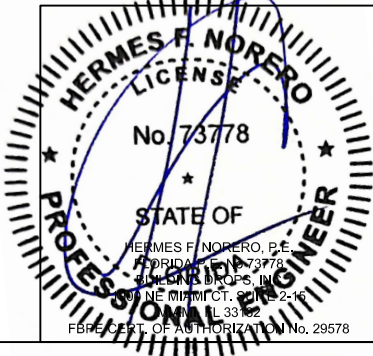
STEEL CONTINUOUS HINGE
IVES 600
.075 MIN. (14GA.) THICKNESS
1012 COLD ROLLED STEEL
Fy MIN. 45ksi
STAINLESS STEEL CONTINUOUS HINGE
IVES 700, 700CS
HAGER 790-900
MARKAR FM-300 & HG305
ABH A500
.075" MIN. (14GA.) THICKNESS
304 STAINLESS STEEL
Fy MIN. 31ksi

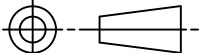


HINGE NOTES:
1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
2. SCREW SPACING VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
3. INSTALL HINGES PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS
4. BUTT AND CONTINUOUS HINGES MAY INCLUDE ELECTRICAL THROUGH-WIRE, POWER TRANSFER, AND MONITORING.

REVISIONS

LTR	DESCRIPTION	ENG	DATE
A	APPROVAL DWG	YMF	05/20/07
O	LOCK UPDATE	SM	11/26/19
P	REVISED DWG	SM	10/02/20
Q	LOCK UPDATE	CA	05/19/22
R	CODE UPDATE	DI	08/25/23
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T	LOCK UPDATE	DI	12/03/25



BEND RADIUS		ALLEGION-SCHLAGE LOCK COMPANY, LLC 11819 N. PENNSYLVANIA STREET CARMEL, IN 46032			
 THIRD ANGLE PROJECTION					
DRAWN JPD	DATE 02/03/14	TITLE: HARDWARE FOR SINGLE FLUSH OUTSWING COMMERCIAL STEEL DOORS			
CHECKED					
		HINGE AND VIEWER OPTIONS			
APPROVED		SIZE	FLAT	DWG NO. IRFS07C	REV T
ENG. APPVL		SCALE: NTS	AUTOCAD	FL14482.5	SHT 8 OF 8