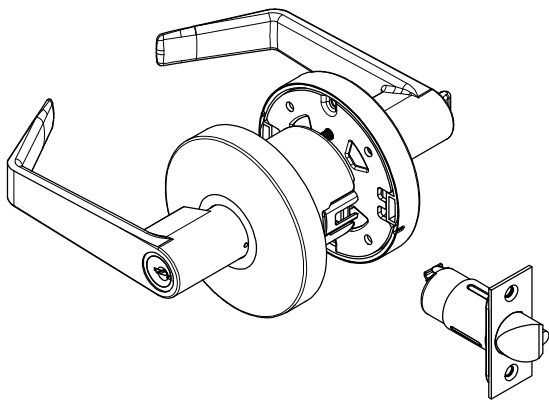


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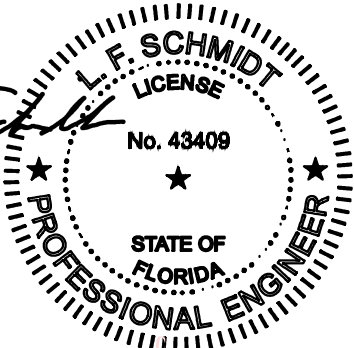
DORMA

Dorma Drive, Drawer AC
Reamstown, PA 17567

"C500 SERIES" CYLINDRICAL LOCK
in a
STEEL COMMERCIAL DOOR
INSWING / OUTSWING
"IMPACT"



"C500 SERIES" Cylindrical Lock



Digitally signed by Lyndon F Schmidt
Date: 2023.09.26 15:05:33 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. When used in the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
3. When used in areas outside the "HVHZ" requiring wind borne debris protection, this product complies with FBC Section 1609.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Section 1609.1.2.2.
4. This product has been tested in the door panels as specified in this approval. Substitution into a similar product may be approved for use by the local Authority Having Jurisdiction. In all cases, the steel door used must possess a comparable current Florida Statewide product approval. The door panel size and design pressure (DP) rating shall not exceed the sizes and DP ratings shown in this approval or the steel side hinged swing door approval being used.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. This product does not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
7. When used in the "HVHZ", all steel shall be protected as specified in FBC Section 2222.6.

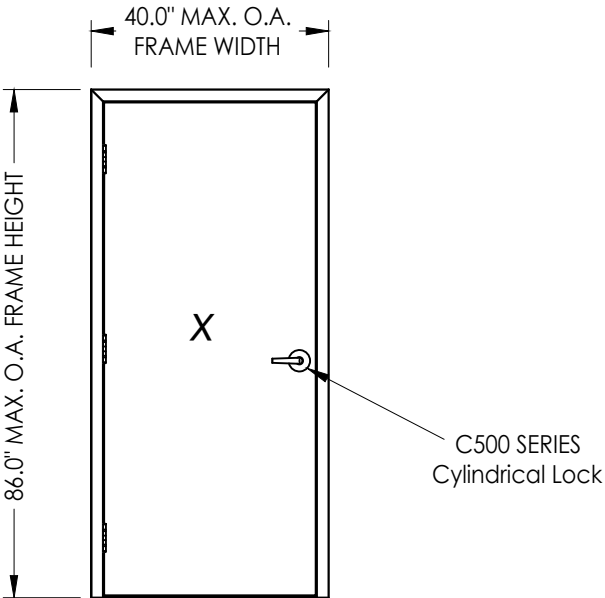


TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	C500 SERIES cylindrical lock details
3	Door panel & strike plate details

CONFIGURATION	MAX FRAME DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
SINGLE	40.0" x 86.0"	"C500 SERIES" Cylindrical Lock (DORMA)	+60.0	-70.0	+60.0	-60.0

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
DORMA

Part or Assembly:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

DATE: 11/17/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-16734.4

SHEET 1 OF 3

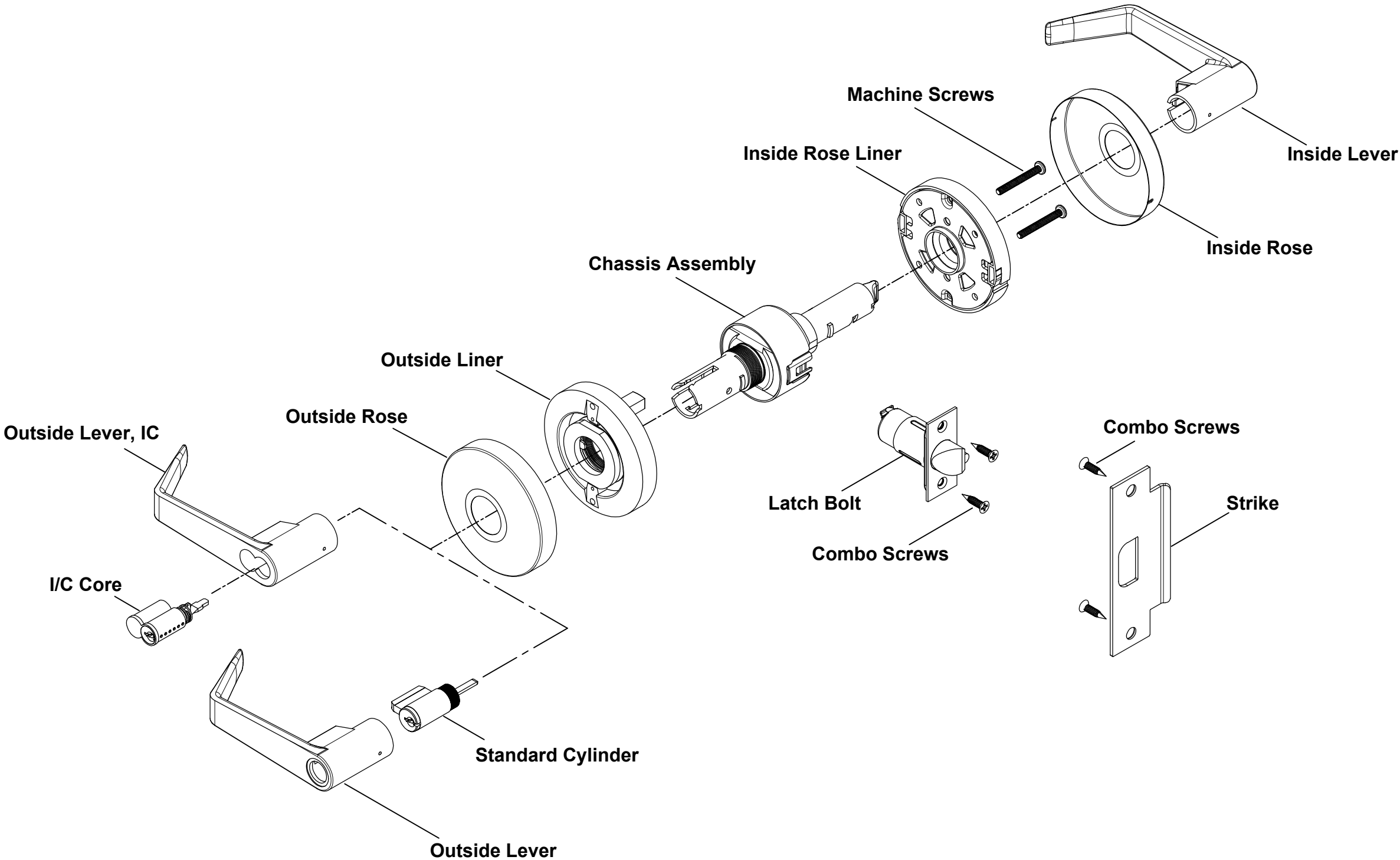
REVISIONS

3	8/31/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
2	9/28/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
1	7/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS
NO.	DATE			BY

Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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"C500 SERIES" Cylindrical Lock

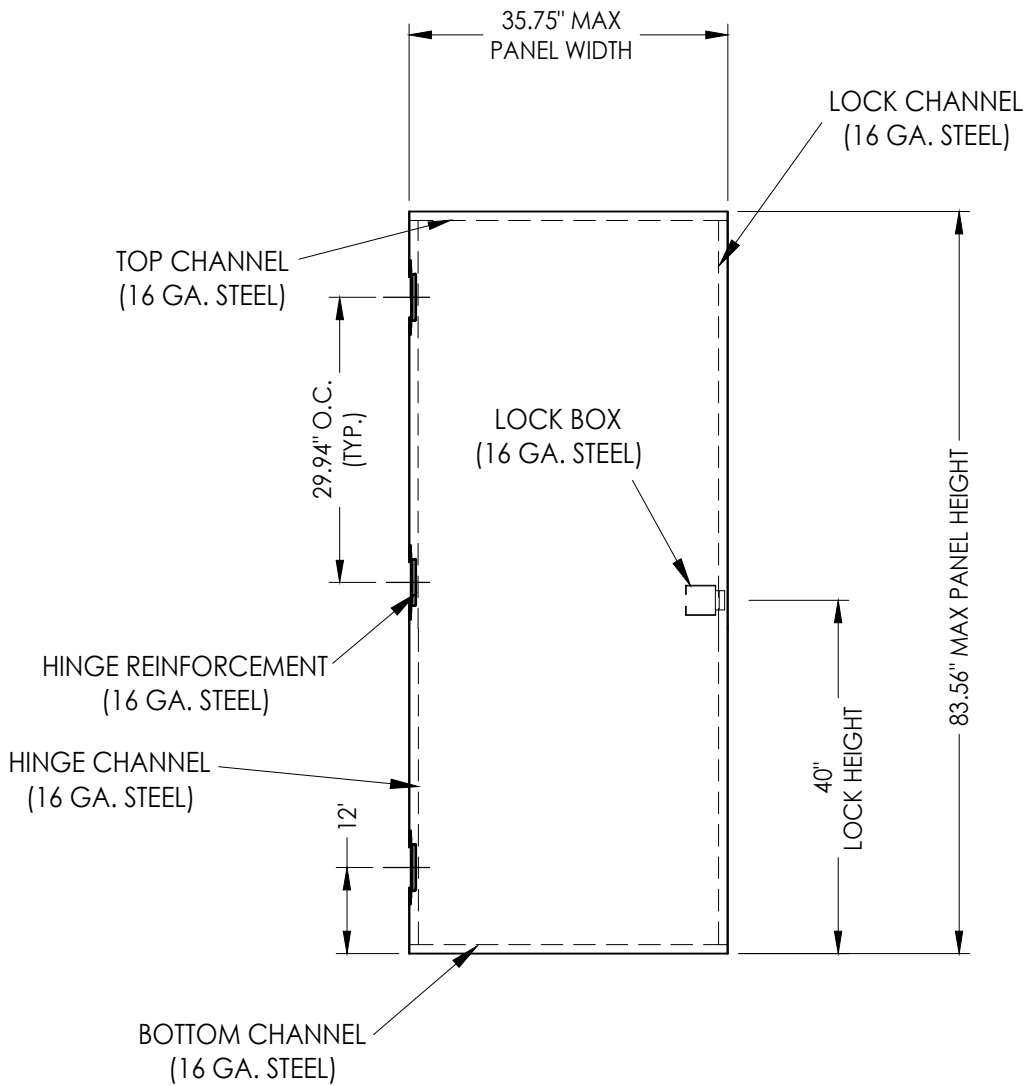
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16734.4
SHEET	2 OF 3

PRODUCT:	DORMA
PART OR ASSEMBLY:	C800 SERIES CYLINDRICAL LOCK DETAILS

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
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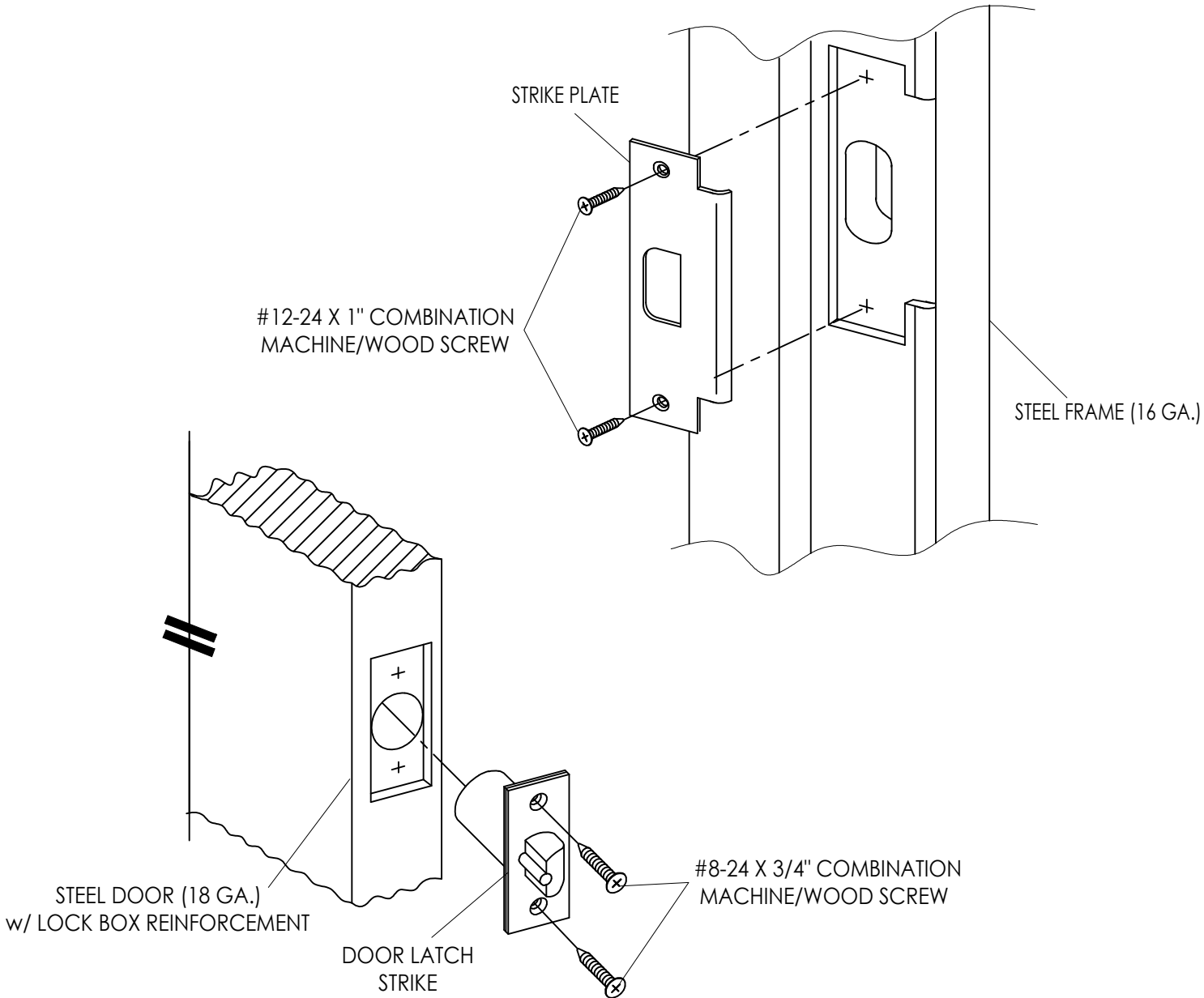
NO.	DATE	REVISIONS
3	8/31/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/28/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	7/26/17	UPDATE TO 6TH ED. (2017) FBC LFS

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18 GAUGE STEEL DOOR PANEL
STEEL DOOR SKIN: 0.044" MIN. THK.

NOTE: Door panel shown as tested. Refer to current Florida Statewide Product Approval for actual specifications and installation instructions.



STRIKE PLATE DETAILS

DATE:	11/17/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-16734.4
SHEET	3 OF 3

NO.	DATE	REVISIONS
3	8/31/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/28/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	7/26/17	UPDATE TO 6TH ED. (2017) FBC LFS

PRODUCT:	DORMA
PART OR ASSEMBLY:	DOOR PANEL & STRIKE PLATE DETAILS

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
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