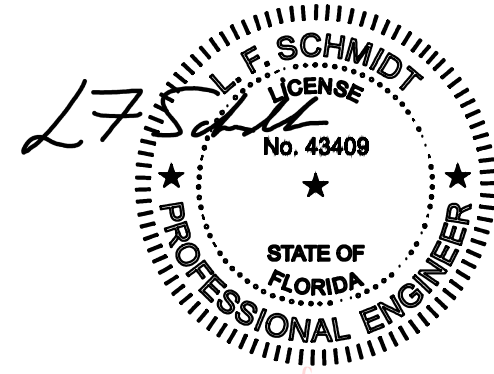
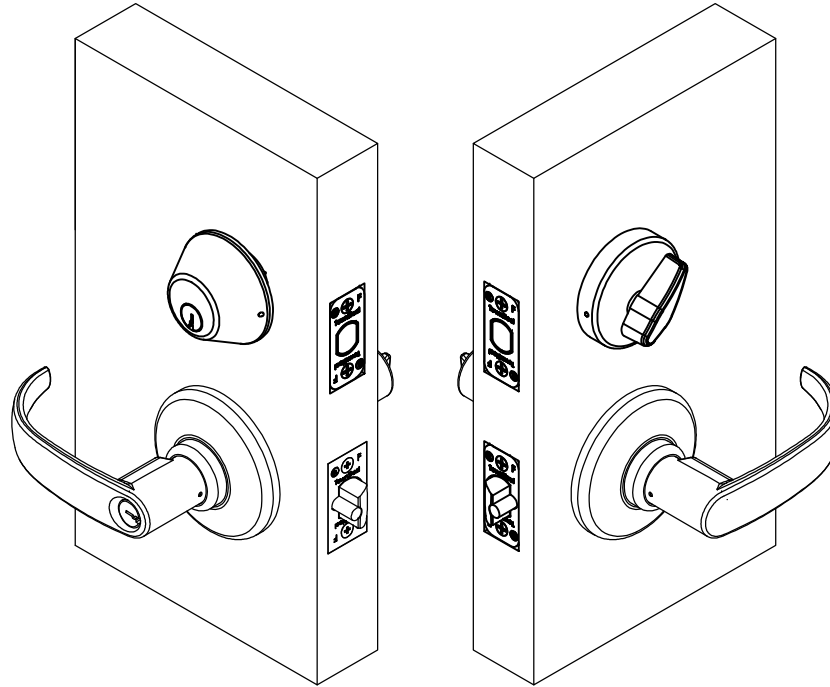




TownSteel
PERFECTION IN PROTECTION

**"CEx" SERIES CYLINDRICAL LOCK
w/ "DBD" SERIES DEADBOLT**
in a
STEEL COMMERCIAL DOOR
OUTSWING
"IMPACT"



Digitally signed by Lyndon F Schmidt
Date: 2023.08.29 16:30:57 -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 FBC and does not require an impact resistant covering.
3. When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 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 Sections 1609.1.2.2 & R301.2.1.2.1.
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. Refer to the separate Florida Product Approval for the swing door used in conjunction with this component approval to determine the ability of the system to meet the water infiltration requirements for the "HVHZ".
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Air and water infiltration qualifications to be reviewed by the Building Official.
8. All steel shall be protected as specified in Section 2222.6 of the FBC.

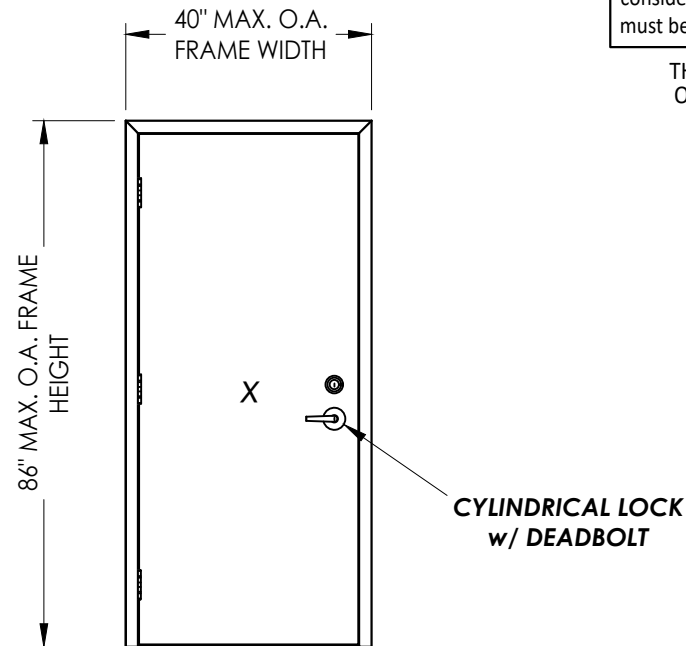


TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Lock details
3	Door panel details

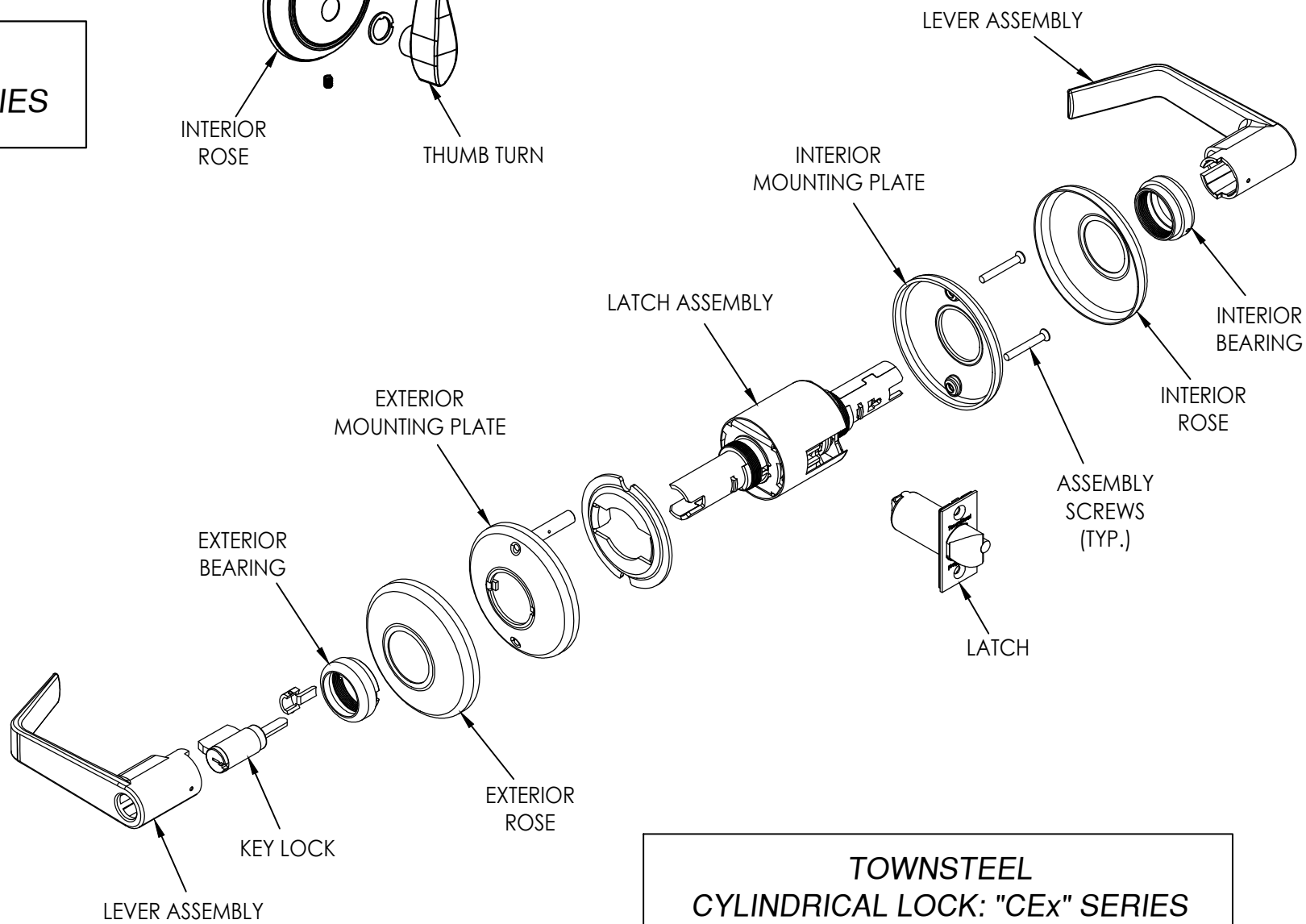
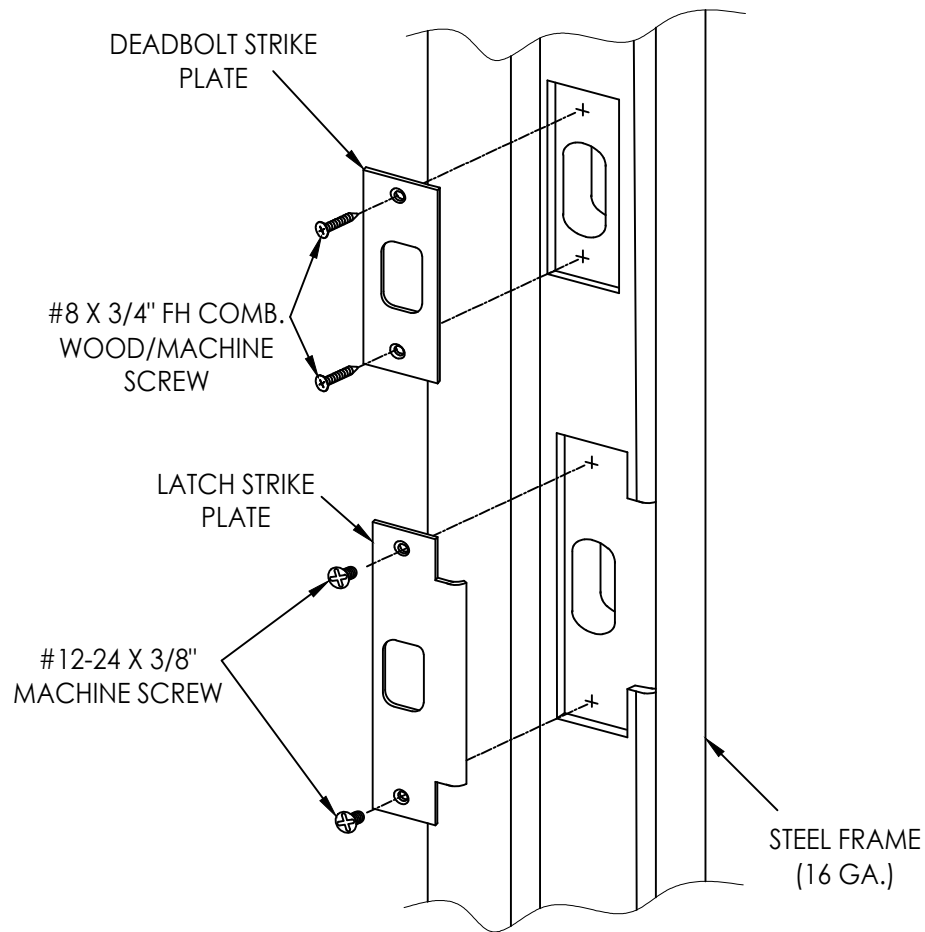
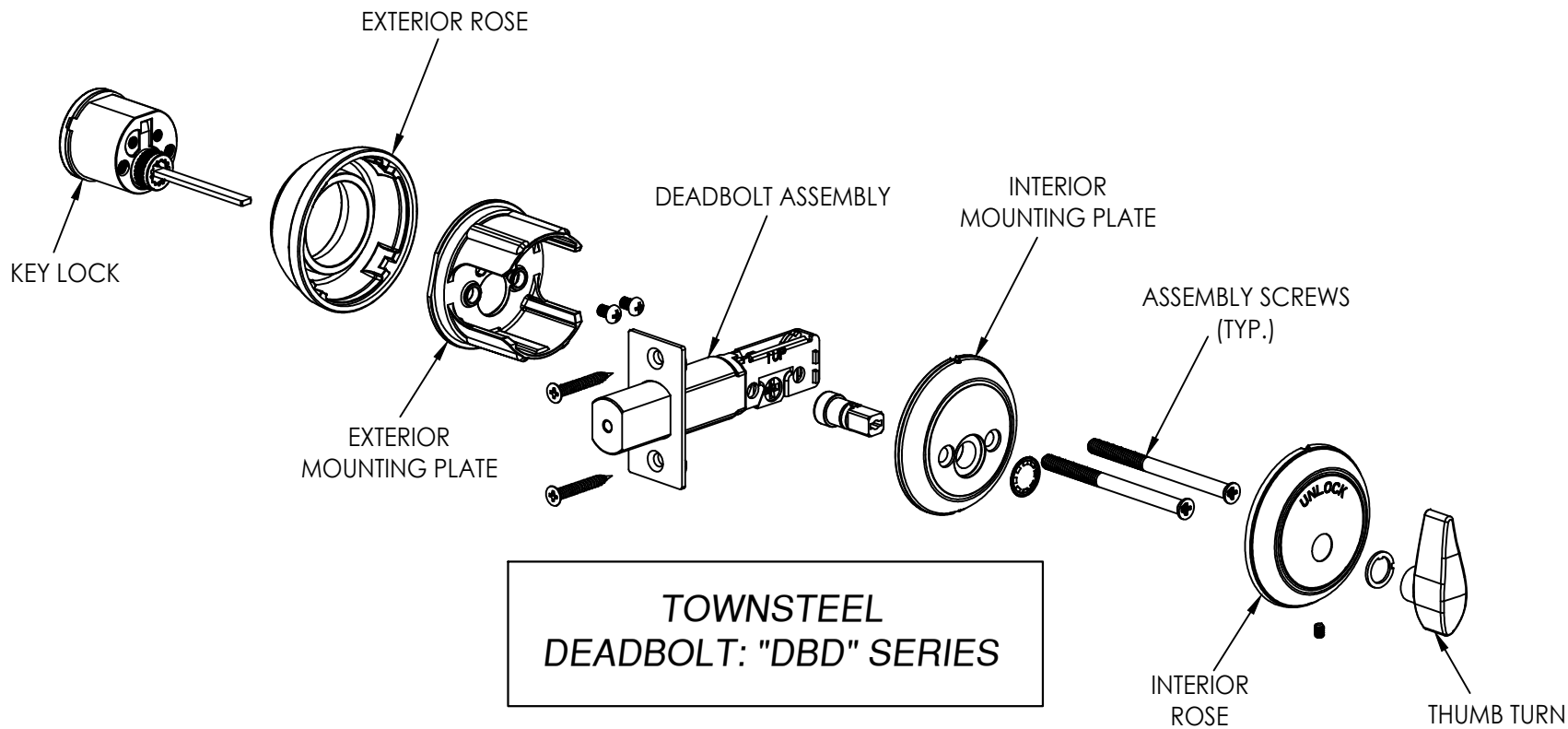
CONFIGURATION	DOOR	LOCK TYPE	DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE
SINGLE	18 GA.	"CEx" SERIES CYLINDRICAL LOCK w/ "DBD" SERIES DEADBOLT	+85.0	-85.0

PRODUCT:		TOWNSTEEL CYLINDRICAL LOCK & DEADBOLT			
PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES			
NO.	DATE	1	8/29/23	UPDATE TO 8TH ED. (2023) FBC	LFS
					BY
REVISIONS					
DATE: 3/24/22					
SCALE: N.T.S.					
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-41494.3					
SHEET 1 OF 3					

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

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

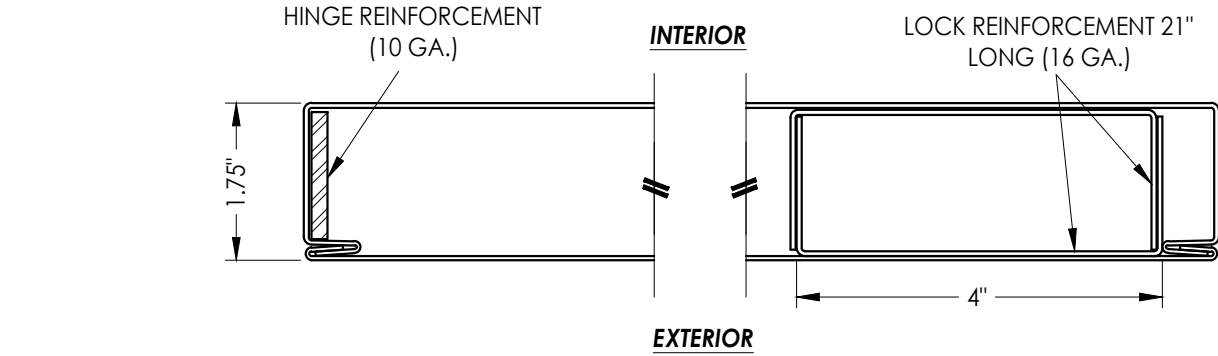
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	
TOWNSTEEL	CYLINDRICAL LOCK & DEADBOLT
PART OR ASSEMBLY:	
LOCK DETAILS	

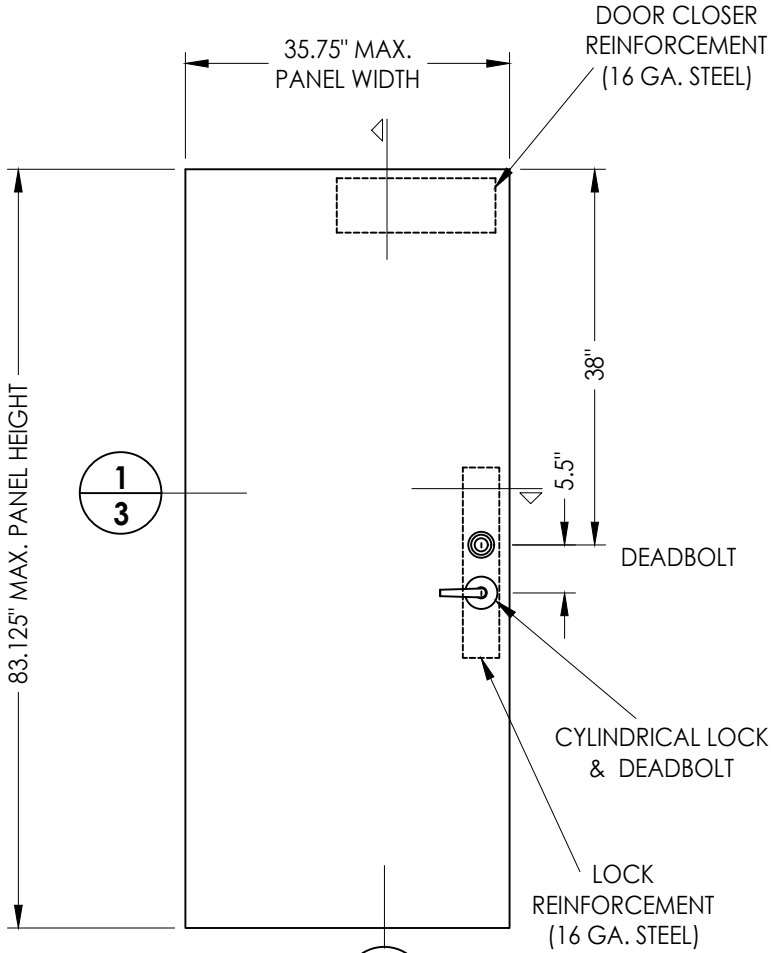
REVISIONS	
NO.	DATE
1	8/29/23
UPDATE TO 8TH ED. (2023) FBC	
LFS	BY

DATE: 3/24/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-41494.3
SHEET 2 OF 3

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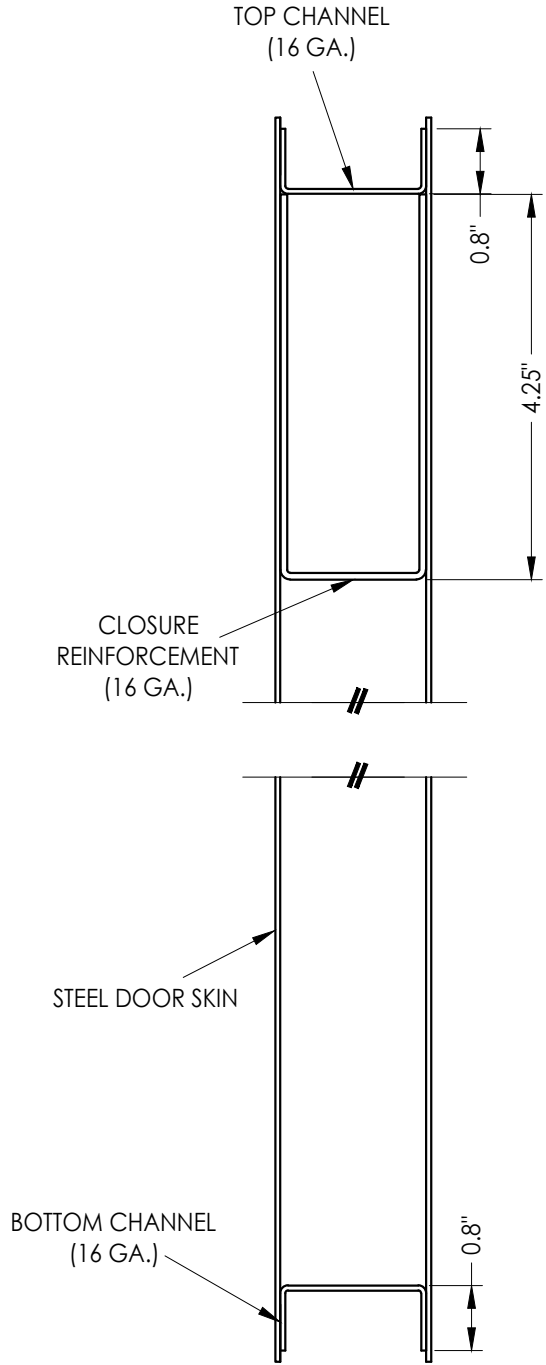


1
3 HORIZONTAL CROSS SECTION



40 7'-0" STEEL DOOR PANEL (18 GA.)
National Millwork Inc.

STEEL DOOR SKIN: 18 GA. A60 GALV. (MIN. 0.047" THK. , FY = 46,800 PSI MIN.)
CORE MATERIAL: HONEYCOMB CARDBOARD



2
3 VERTICAL CROSS SECTION

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

R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TOWNSTEEL
CYLINDRICAL LOCK & DEADBOLT
PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
1	8/29/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 3/24/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-41494.3

SHEET 3 OF 3