



MECHANICAL SERIES (MSE) MORTISE LOCK

in a
STEEL COMMERCIAL DOOR

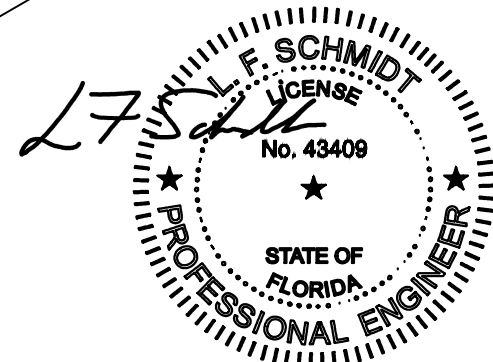
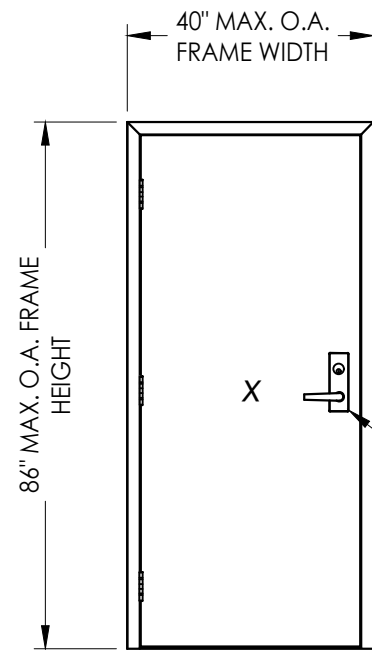
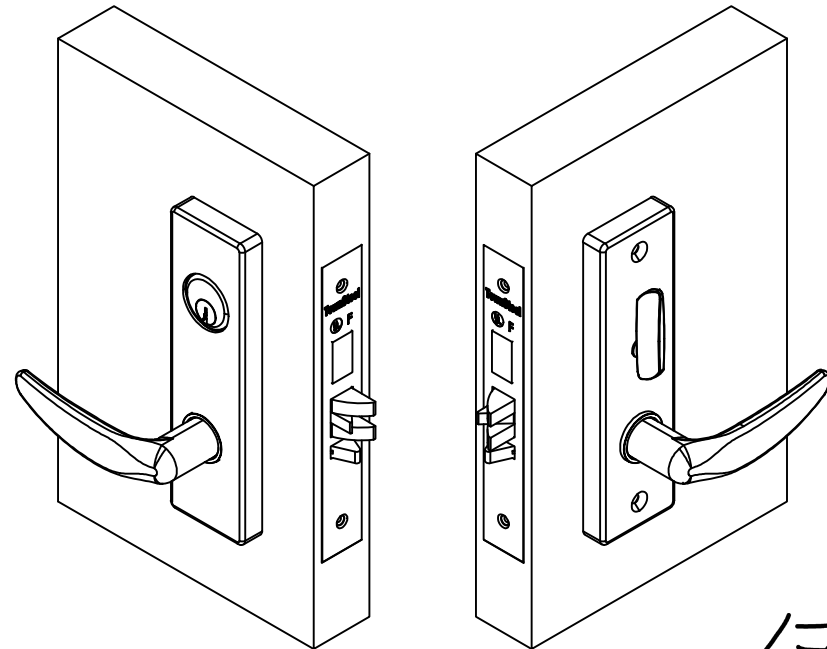
OUTSWING "IMPACT"

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. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.

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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.	MECHANICAL SERIES (MSE) MORTISE LOCK	+85.0	-85.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.29 16:29:53 -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

MECHANICAL SERIES
MORTISE LOCK
w/ DEADBOLT

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

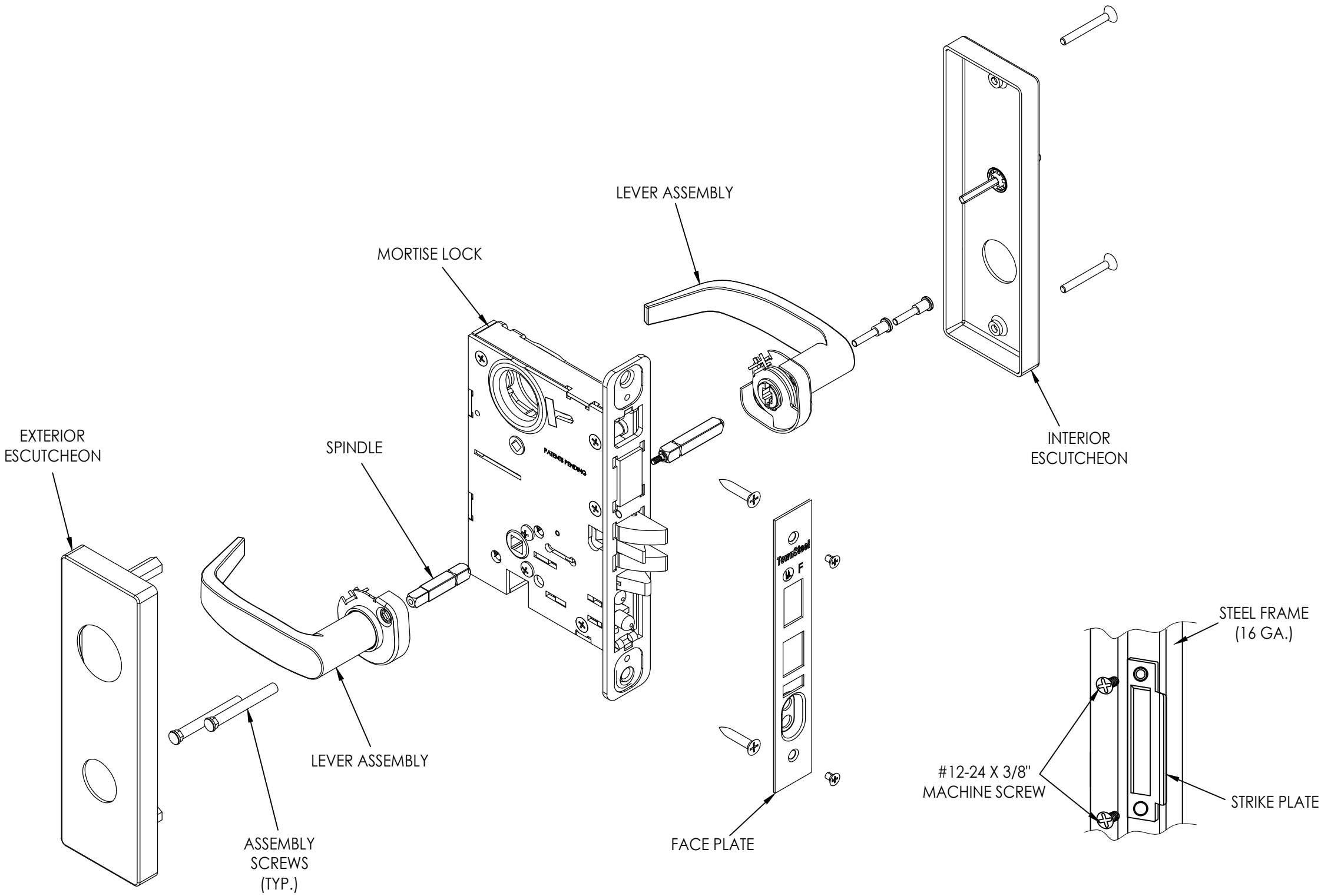
PRODUCT: TOWNSTEEL
MORTISE LOCK

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

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

DATE: 3/24/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-41494.1
SHEET 1 OF 3

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TOWNSTEEL
MECHANICAL SERIES (MSE-R)
MORTISE LOCK

DATE: 3/24/22
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-41494.1
SHEET 2 OF 3

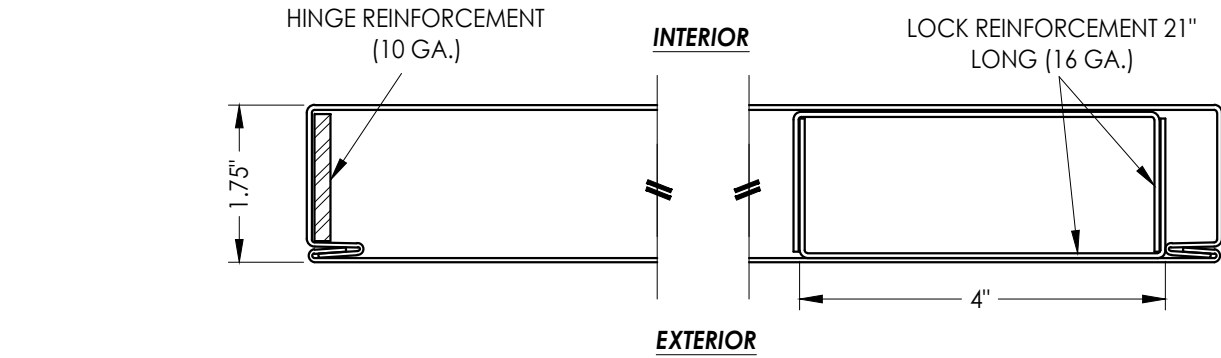
NO.	DATE	REVISIONS
1	8/29/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

PRODUCT:	TOWNSTEEL MORTISE LOCK
PART OR ASSEMBLY:	LOCK DETAILS

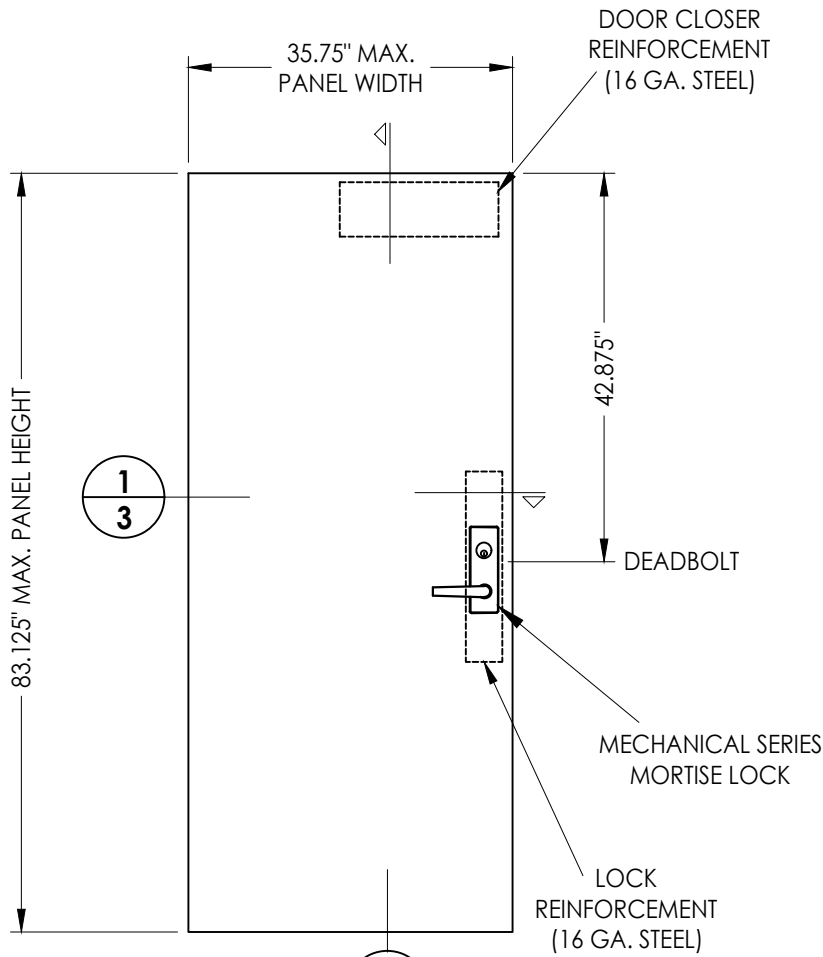
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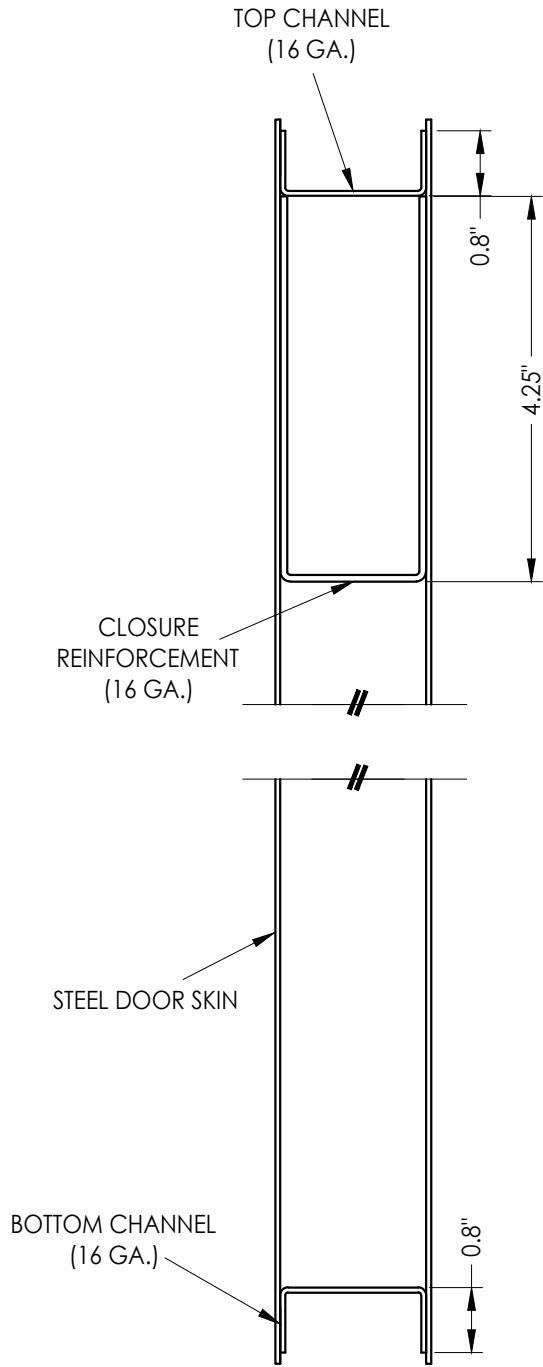


1
3 HORIZONTAL CROSS SECTION



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

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PRODUCT: TOWNSTEEL
MORTISE LOCK
PART OR ASSEMBLY:
DOOR PANEL DETAILS

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1	8/29/23	UPDATE TO 8TH ED. (2023) FBC
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DATE: 3/24/22

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DWG. BY: LFS

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SHEET 3 OF 3