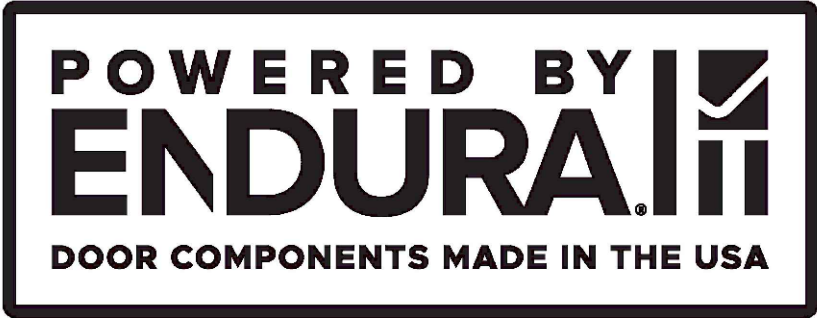


Z:\2023 FBC Drawings\Endura Products\FL-15384 R10\FL-15384.1-3.dwg

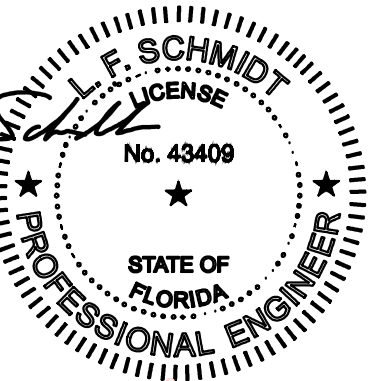


TRILENNIUM®
MULTI-POINT LOCK
w/ TruStile® DOOR
SINGLE & SINGLE w/ SIDELITE
OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures, & general notes
2	Panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck & frame anchoring
6	Buck & frame anchoring
7	Lock set details
8	Bill of materials & components

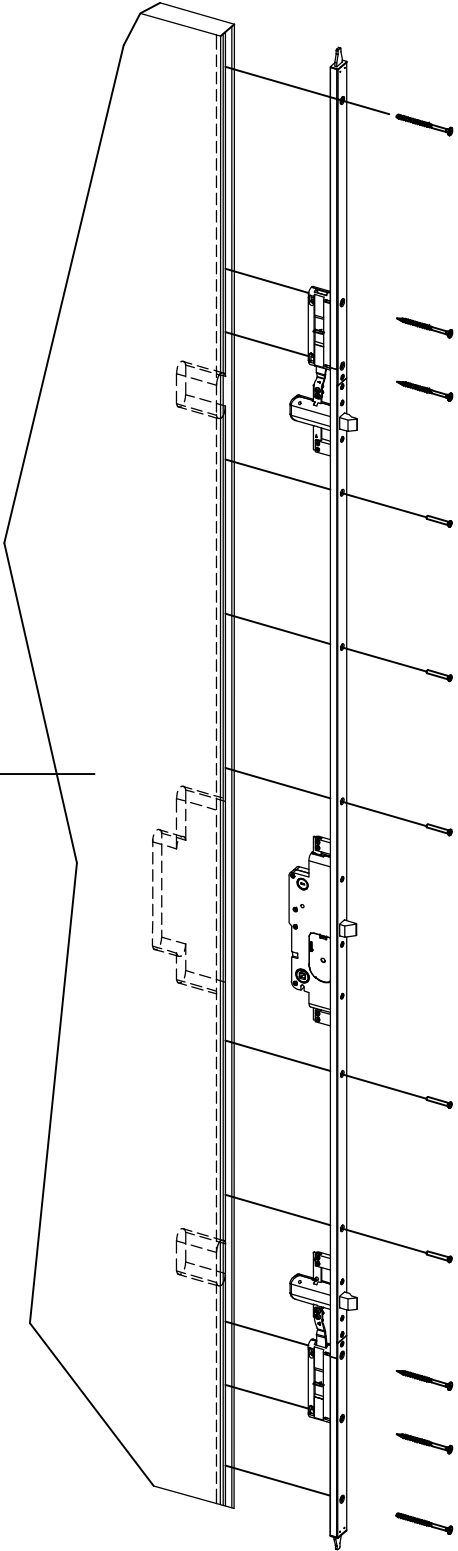


Digitally signed by Lyndon F Schmidt
Date: 2023.07.17 13:02:25 -04'00'

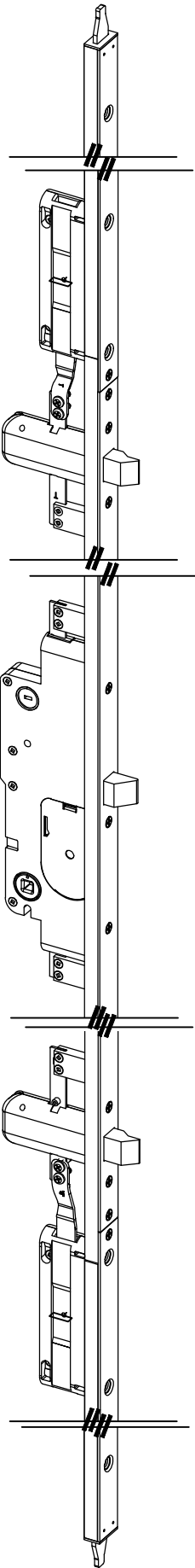
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

TruStile® DOOR



TRILENNIUM®
5 POINT LOCK
"3500"



CONFIG.	OVERALL FRAME DIMENSION	OVERALL DOOR D.L.O. DIMENSION	OVERALL SIDELITE D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
SINGLE	37.87" x 98.0"	24.37" x 81.50"	N/A	G1	+70.0	-70.0
SINGLE w/ SIDELITE	52.87" x 98.0"	24.37" x 81.50"	7.75" x 81.75"		+70.0	-70.0

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

PRODUCT: ENDURA
MULTI-POINT LOCK SET
PART OR ASSEMBLY:
TYPICAL ELEVATIONS, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS			
		BY	JK	LFS	LFS
4	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	8/03/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	
2	9/26/17	UPDATE TO 6TH ED. (2017)	FBC	LFS	
1	3/28/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

DATE: 3/29/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

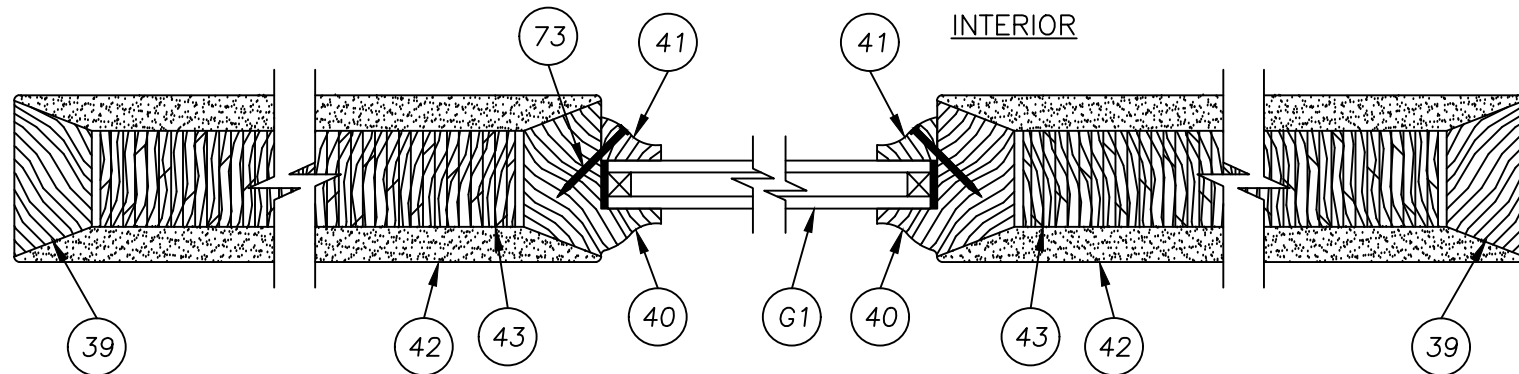
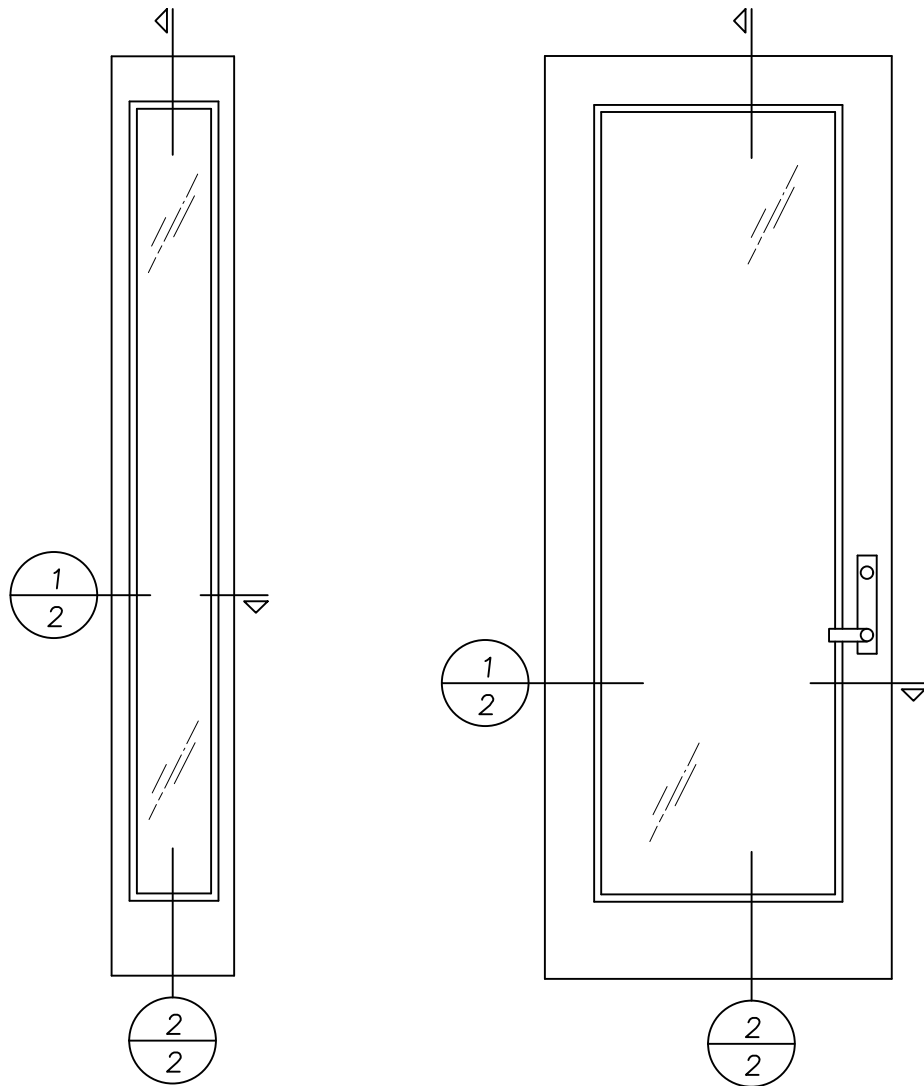
DRAWING NO.:

FL-15384.2

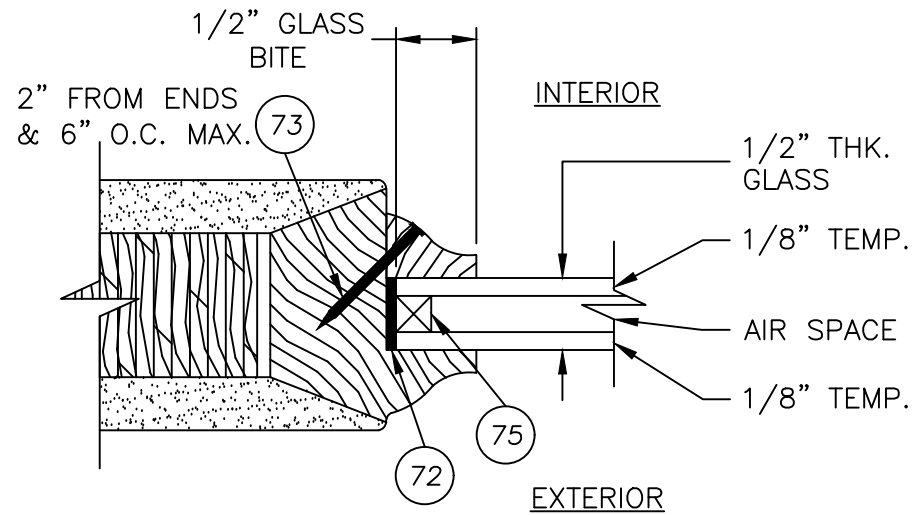
SHEET 1 OF 8

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

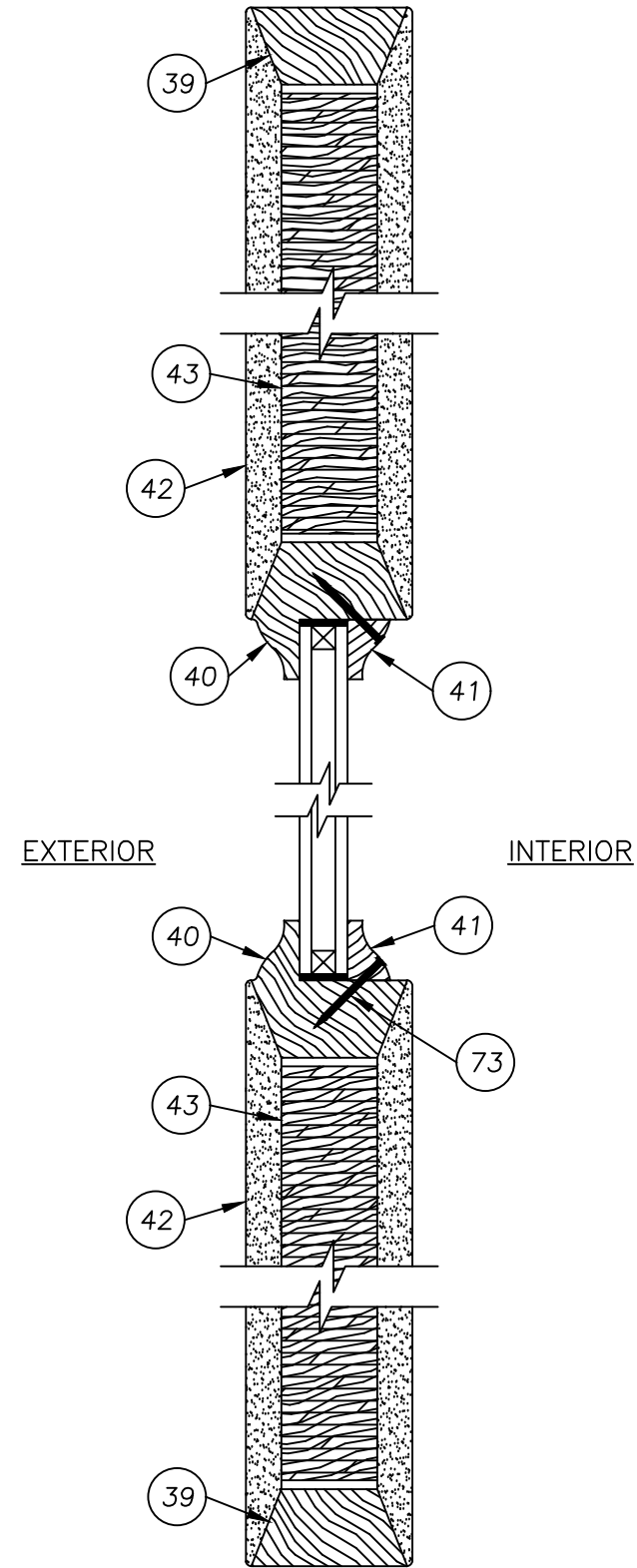
Z:\2023 FBC Drawings\Endura Products\FL-15384 R10\FL-15384.1-3.dwg



1 HORIZONTAL CROSS SECTION
2 DOOR & SIDELITE PANEL



G1 GLAZING DETAILS
1/2" INSULATED GLASS



2 VERTICAL CROSS SECTION
2 DOOR & SIDELITE PANEL

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

PRODUCT:
ENDURA
MULTI-POINT LOCK SET

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/28/15	UPDATE TO 5TH ED. (2014) FBC JK
		BY

DATE: 3/29/12

SCALE: N.T.S.

DWG. BY: JK

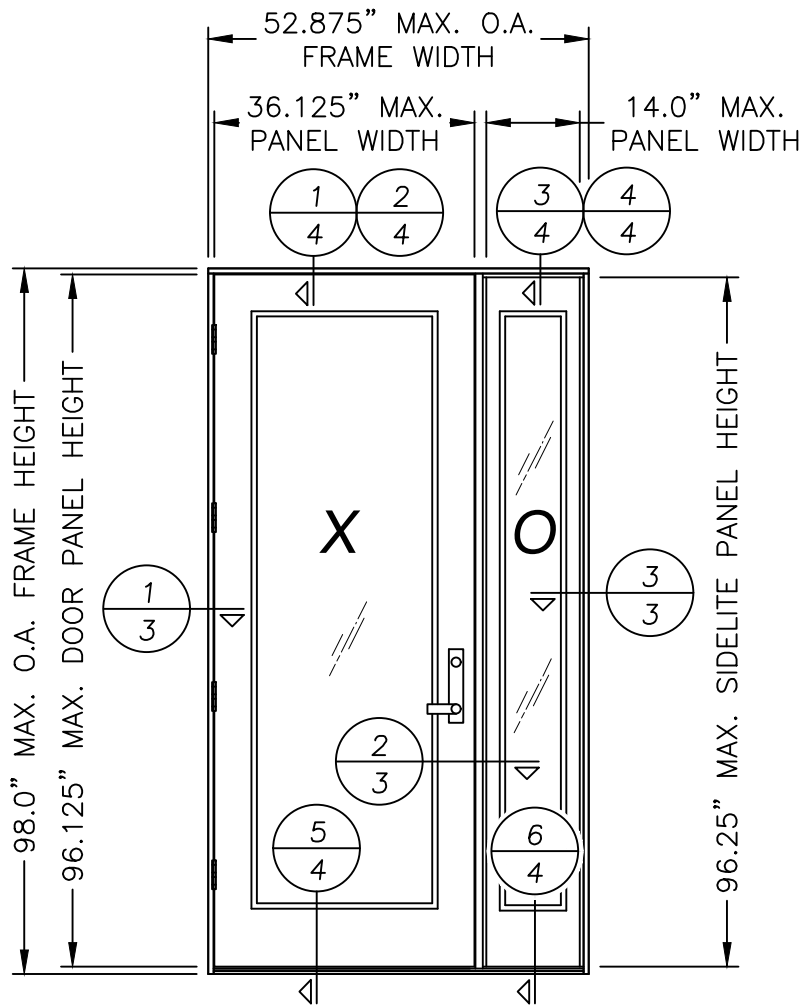
CHK. BY: LFS

DRAWING NO.: FL-15384.2

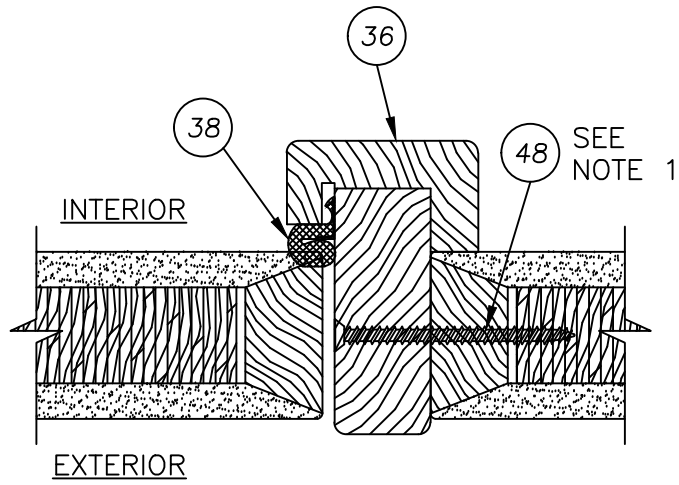
SHEET 2 OF 8

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

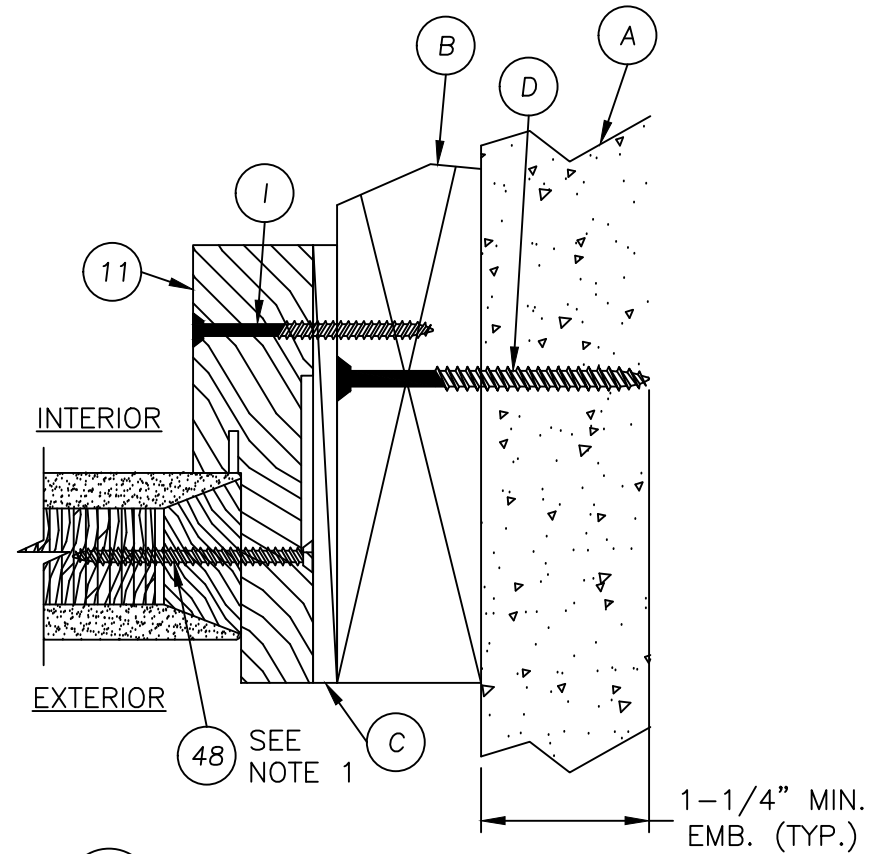
Z:\2023 FBC Drawings\Endura Products\FL-15384 R10\FL-15384.1-3.dwg



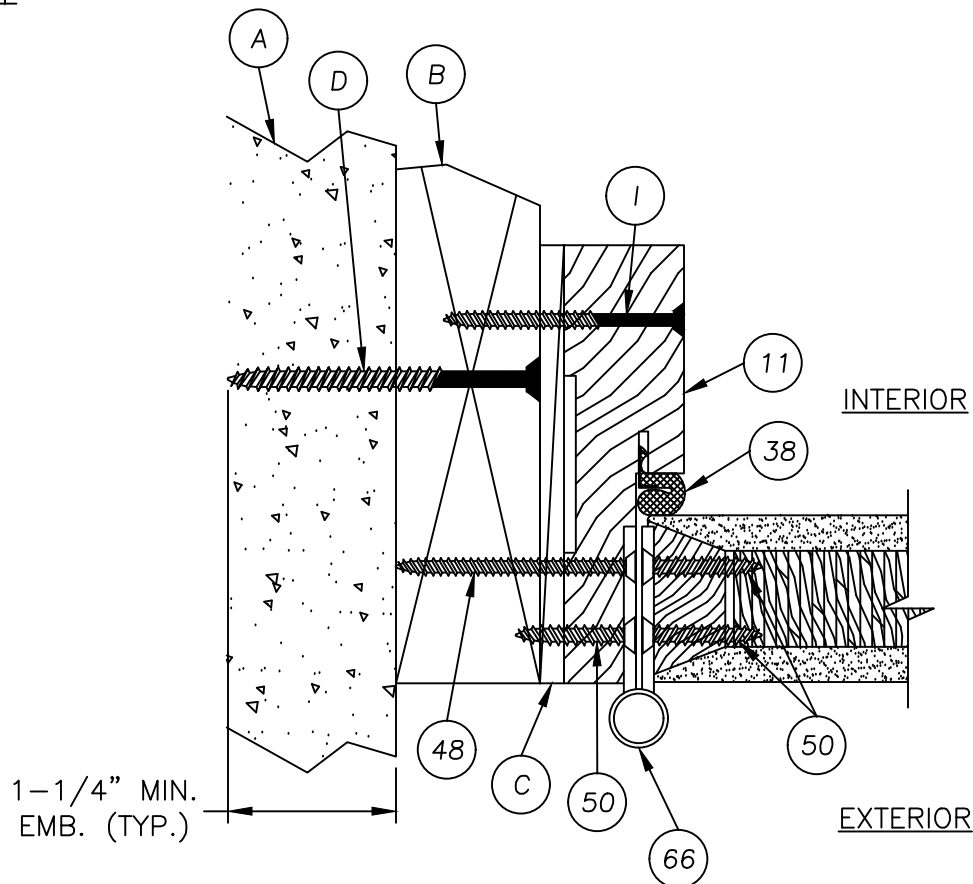
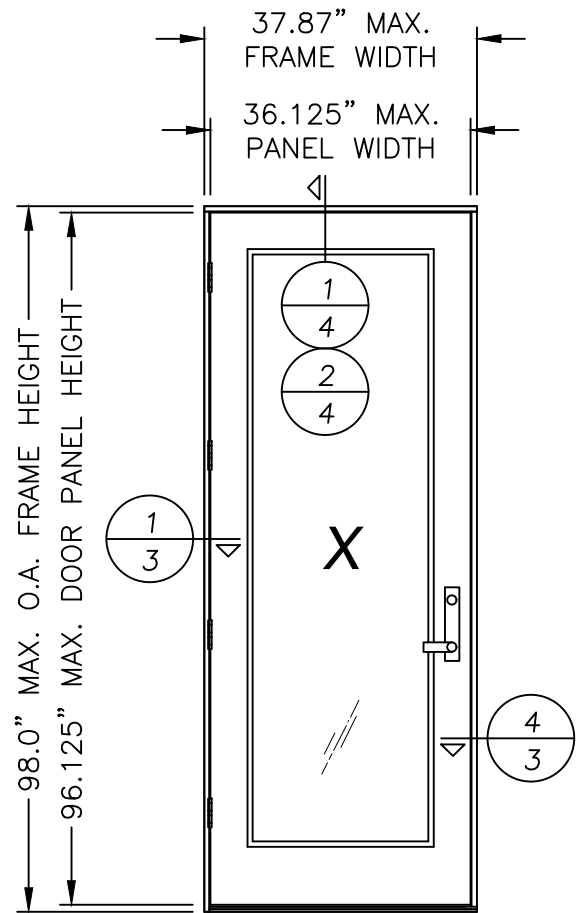
NOTE
1. ITEM #48, 6" FROM TOP & BOTTOM OF FRAME & 17.2" O.C. (TYP.) (6 TOTAL).



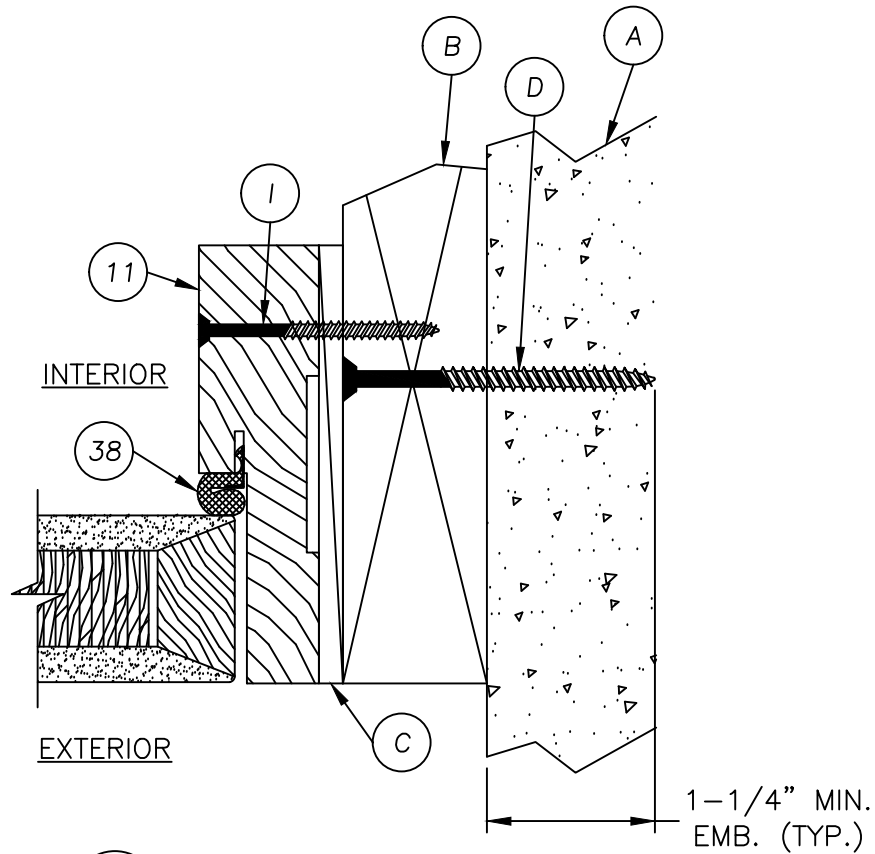
2/3 HORIZONTAL CROSS SECTION



3/3 HORIZONTAL CROSS SECTION



1/3 HORIZONTAL CROSS SECTION



4/3 HORIZONTAL CROSS SECTION

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

PRODUCT:
ENDURA
MULTI-POINT LOCK SET

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/28/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 3/29/12

SCALE: N.T.S.

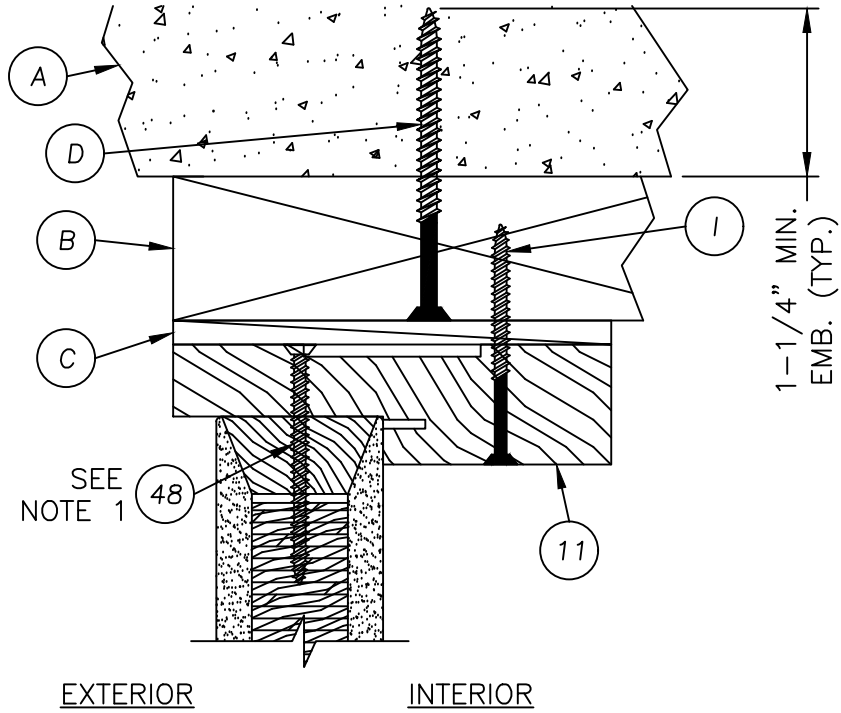
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15384.2

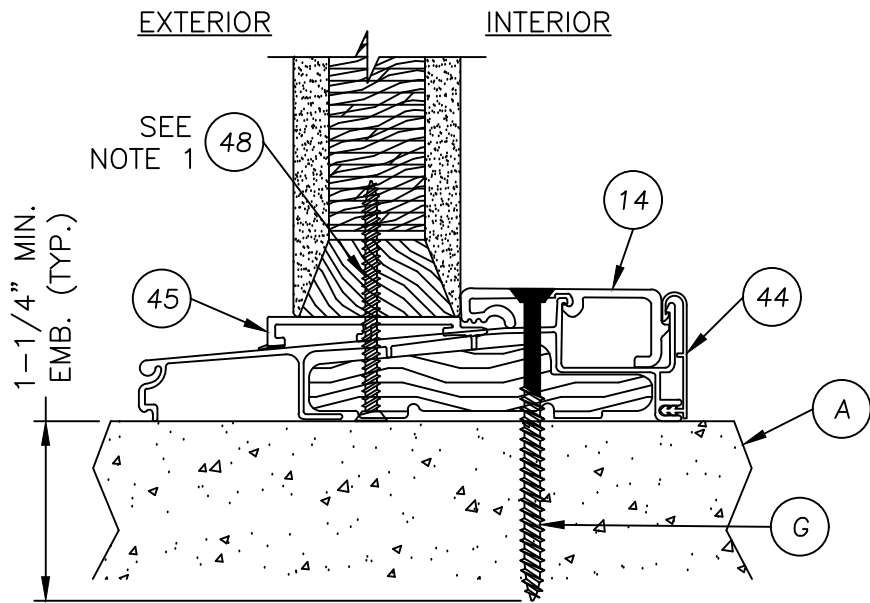
SHEET 3 OF 8

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

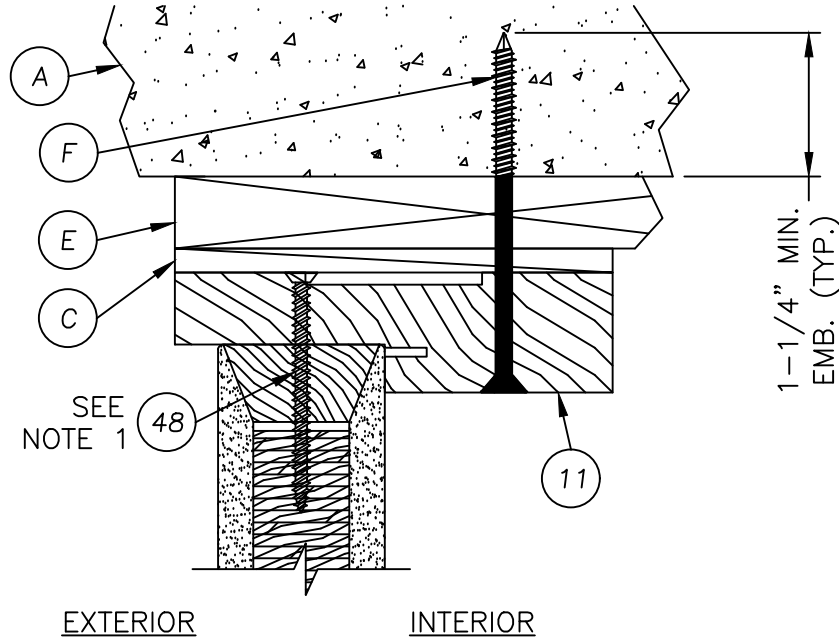


3 VERTICAL CROSS SECTION
4

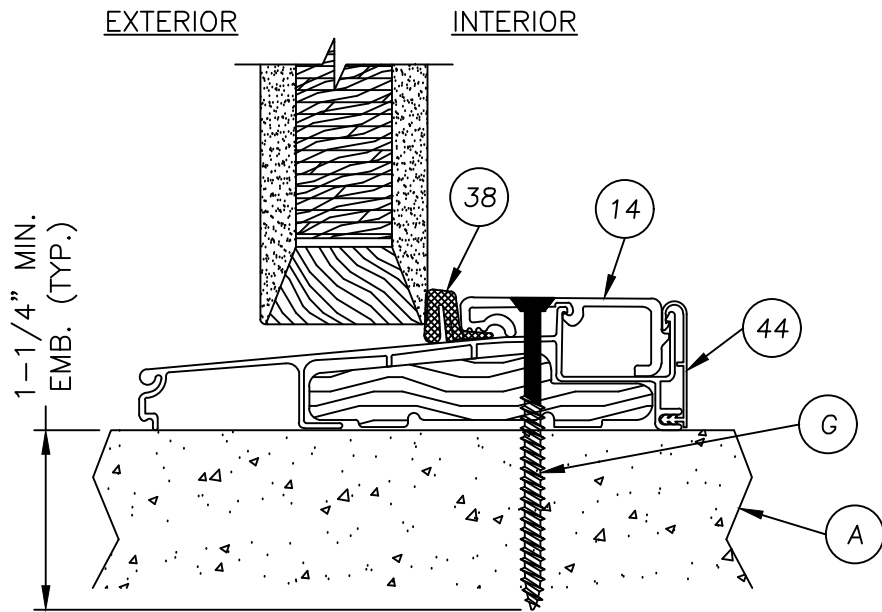
NOTE
1. ITEM #48, 3" FROM EACH
END OF LITE FRAME.



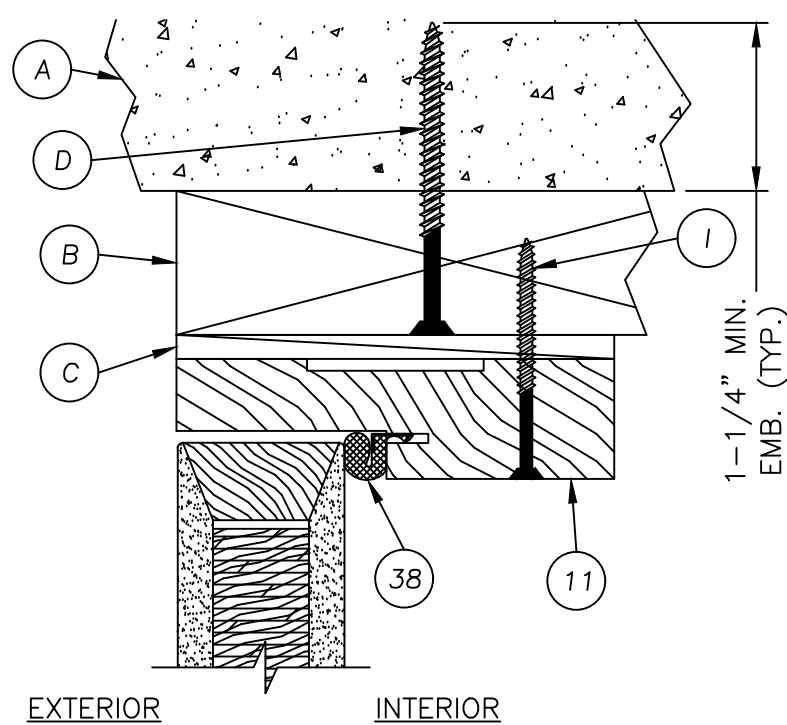
6 VERTICAL CROSS SECTION
4



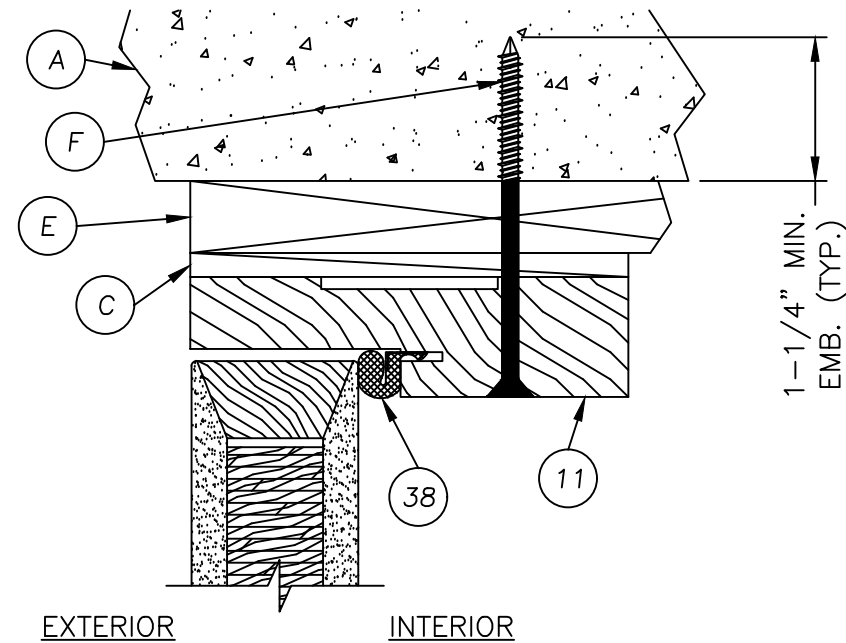
4 VERTICAL CROSS SECTION
4 Shown w/1X sub-buck



5 VERTICAL CROSS SECTION
4



1 VERTICAL CROSS SECTION
4



2 VERTICAL CROSS SECTION
4 Shown w/1X sub-buck

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:
ENDURA
MULTI-POINT LOCK SET

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	BY
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/28/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 3/29/12

SCALE: N.T.S.

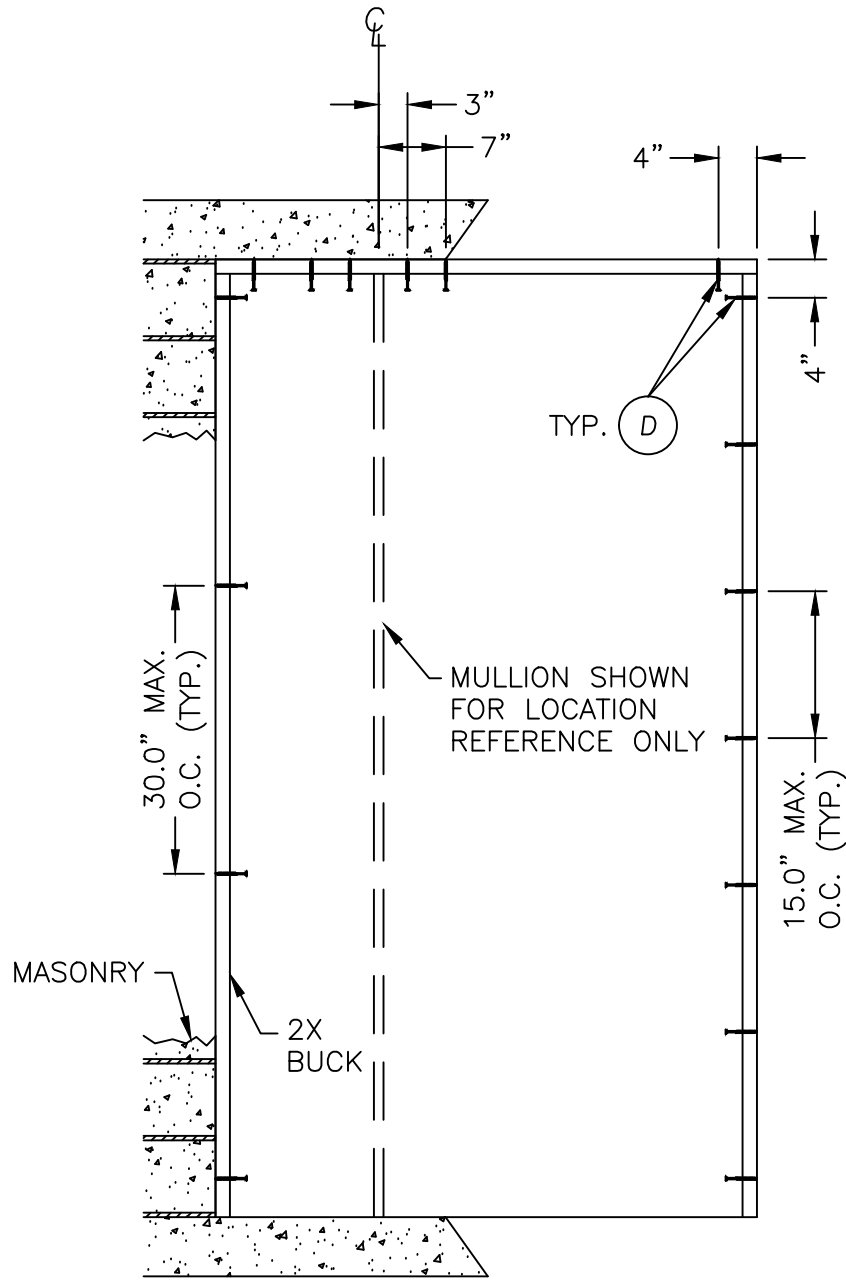
DWG. BY: JK

CHK. BY: LFS

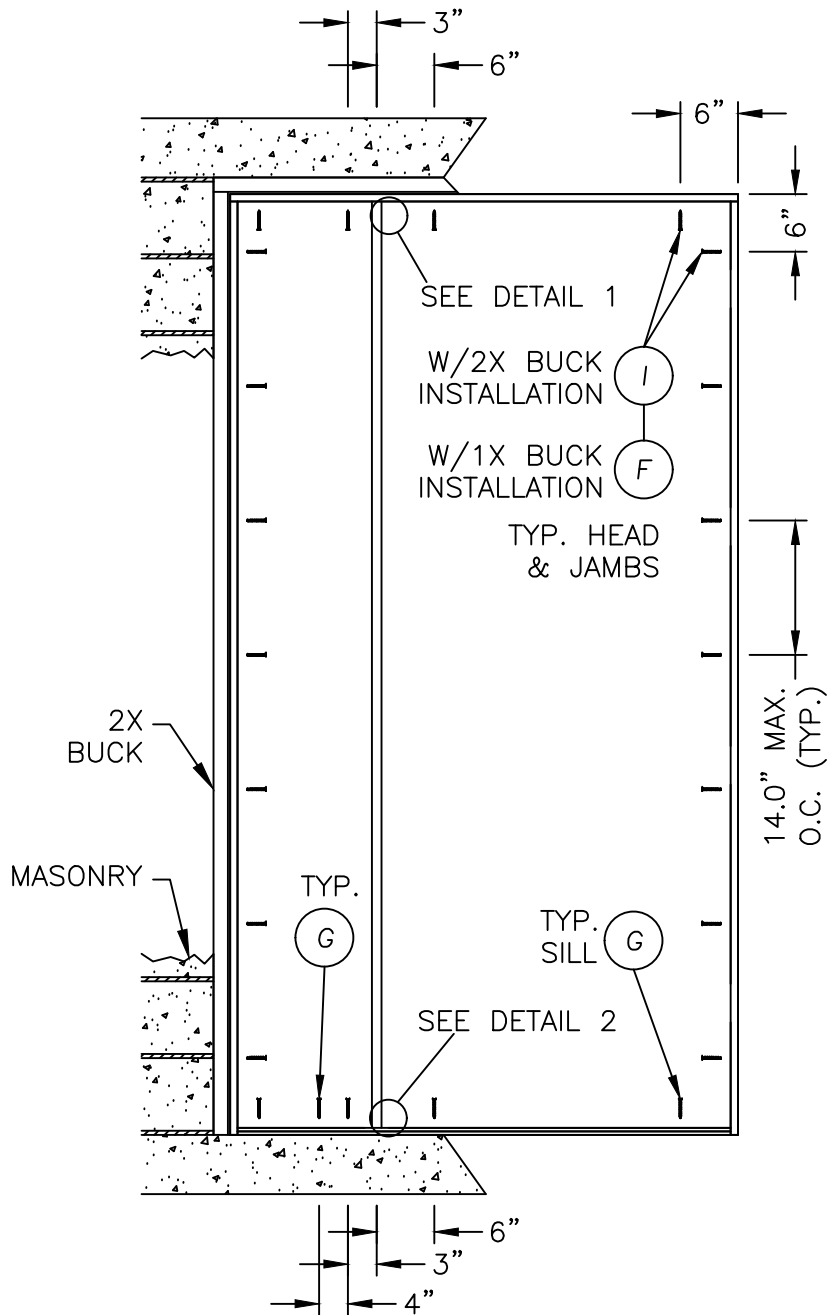
DRAWING NO.: FL-15384.2

SHEET 4 OF 8

Z:\2023 FBC Drawings\Endura Products\FL-15384 R10\FL-15384.1-3.dwg



BUCK ANCHORING



FRAME ANCHORING

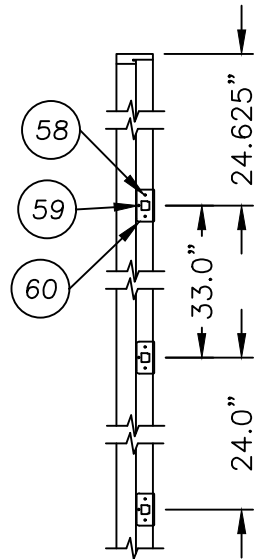
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. O.C. (TYP.)" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. O.C. (TYP.)" dimension are not exceeded.
- Concrete anchor table:

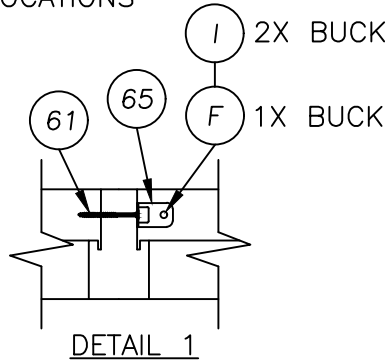
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

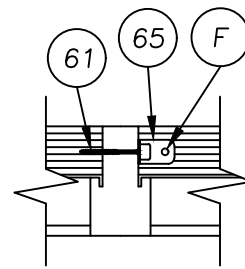
- Maintain a minimum 5/8 inch edge distance, 1 inch end distance, & 1 inch o.c. spacing of wood screws to prevent the splitting of wood.



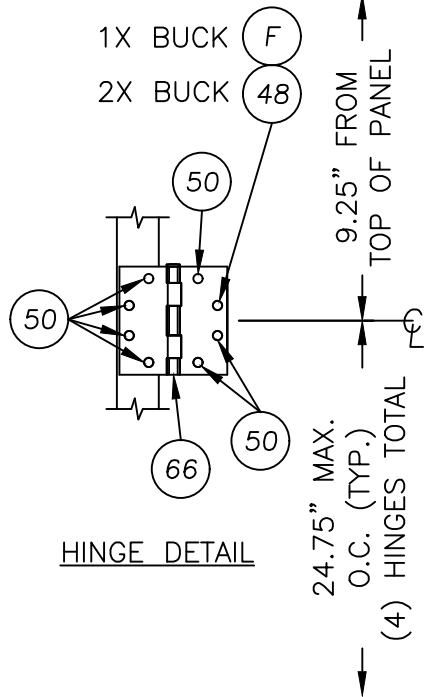
STRIKE PLATE LOCATIONS



DETAIL 1



DETAIL 2



HINGE DETAIL

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
ENDURA
MULTI-POINT LOCK SET

NO.	DATE	REVISIONS
4	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	8/03/20	UPDATE TO 7TH ED. (2020) FBC LFS
2	9/26/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	3/28/15	UPDATE TO 5TH ED. (2014) FBC JK
		BY

DATE: 3/29/12

SCALE: N.T.S.

DWG. BY: JK

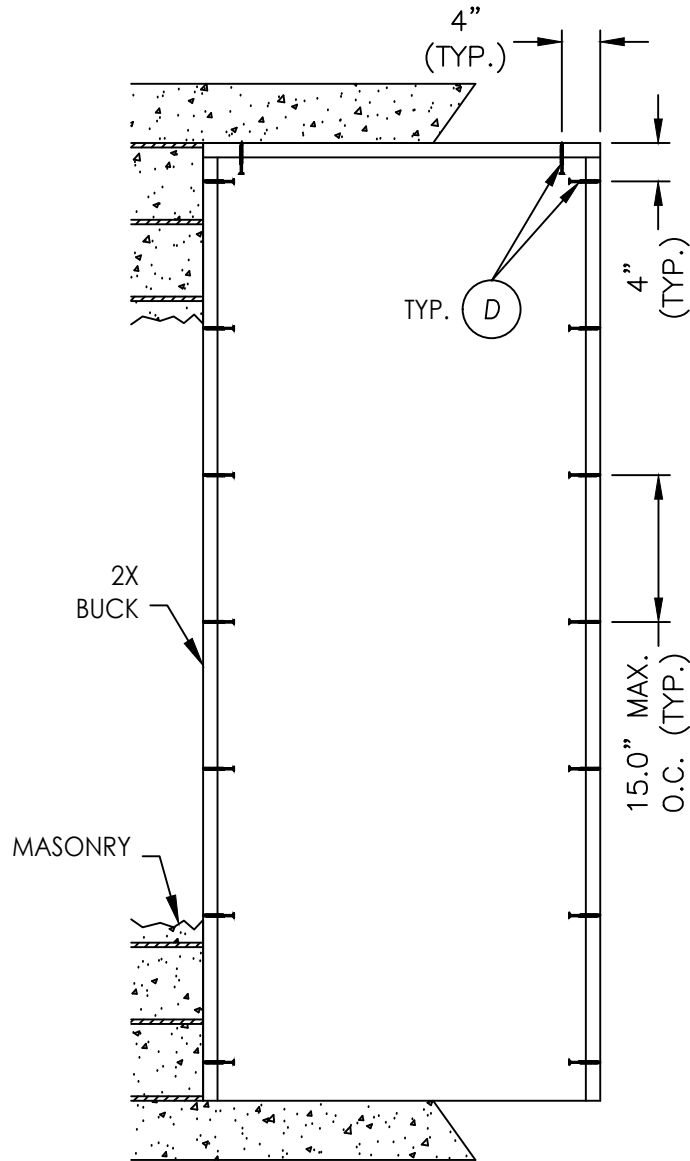
CHK. BY: LFS

DRAWING NO.: FL-15384.2

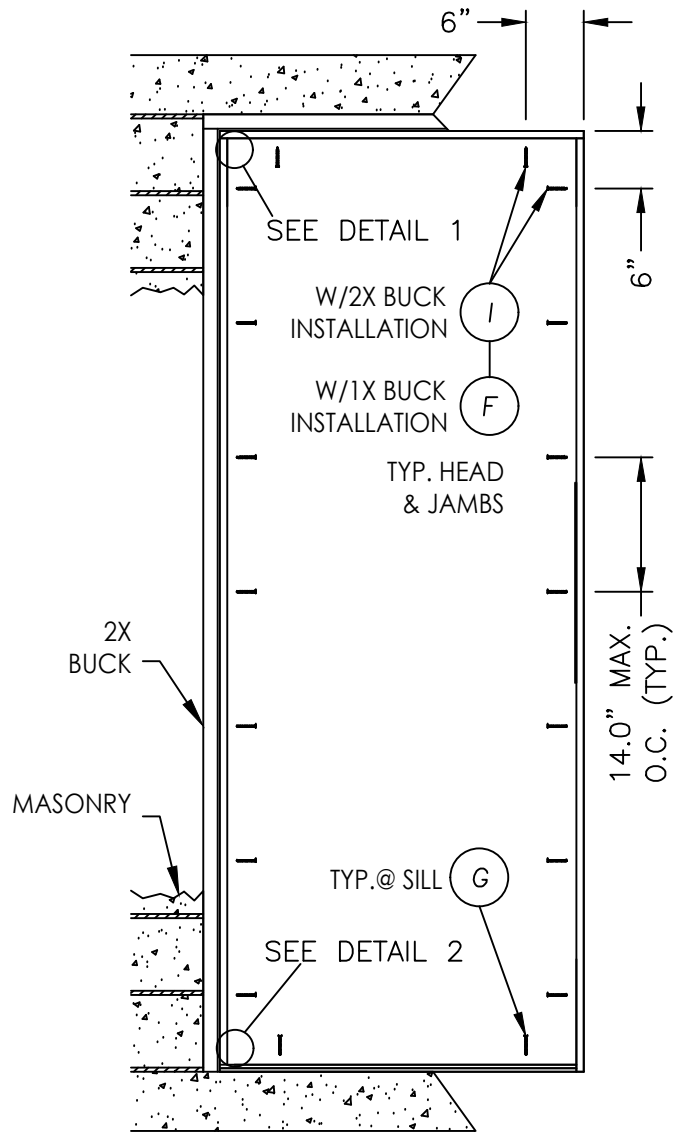
SHEET 5 OF 8

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

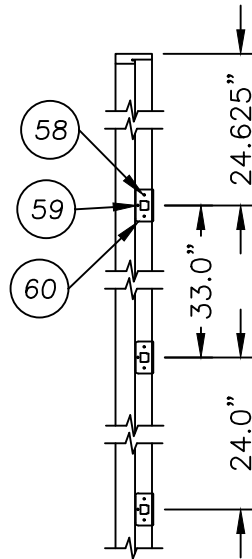
Z:\2023 FBC Drawings\Endura Products\FL-15384 R10\FL-15384.1-3.dwg



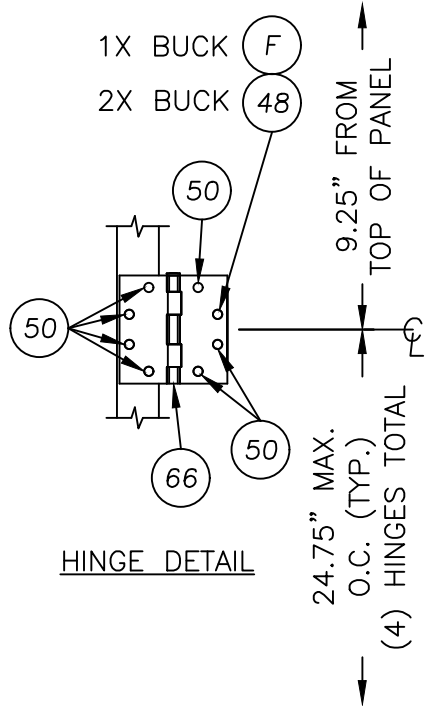
BUCK ANCHORING



FRAME ANCHORING



STRIKE PLATE
LOCATIONS



HINGE DETAIL

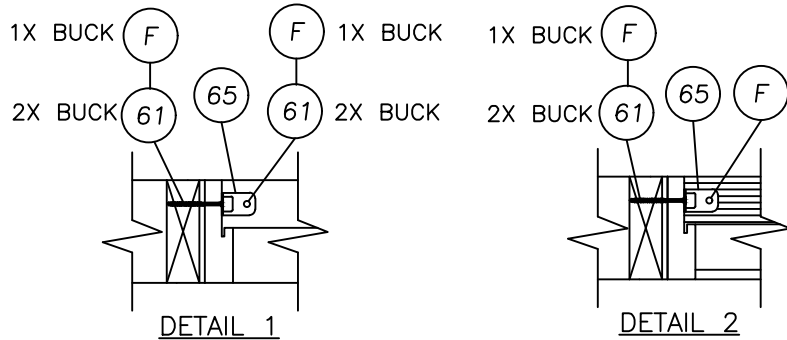
CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. O.C. (TYP.)" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. O.C. (TYP.)" dimension are not exceeded.
- Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

ENDURA
MULTI-POINT LOCK SET

DATE

NO. DATE

DATE:

3/29/12

SCALE:

N.T.S.

DWG. BY:

JK

CHK. BY:

LFS

DRAWING NO.:

FL-15384.2

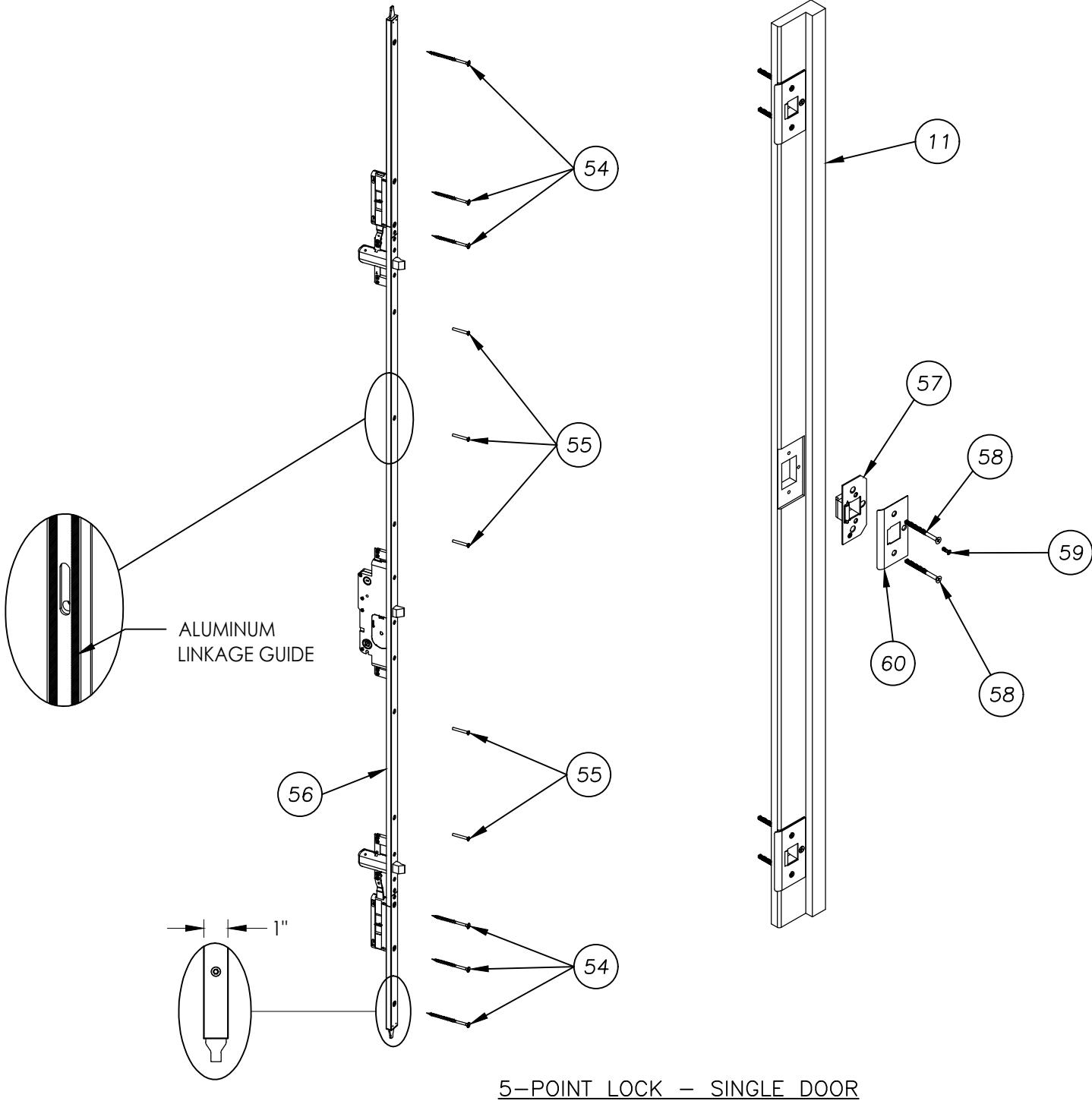
SHEET

6

OF

8

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



DATE: 3/29/12		NO.		DATE		REVISONS	
SCALE: N.T.S.		4		7/06/23		UPDATE TO 8TH ED. (2023)	
DWG. BY: JK		3		8/03/20		UPDATE TO 7TH ED. (2020)	
CHK. BY: LFS		2		9/26/17		UPDATE TO 6TH ED. (2017)	
DRAWING NO.: FL-15384.2		1		3/28/15		UPDATE TO 5TH ED. (2014)	
SHEET 7 OF 8							

PRODUCT:		ENDURA	
		MULTI-POINT LOCK SET	
PART OR ASSEMBLY:		LOCK SET 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

