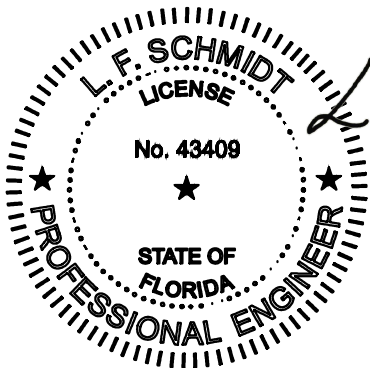


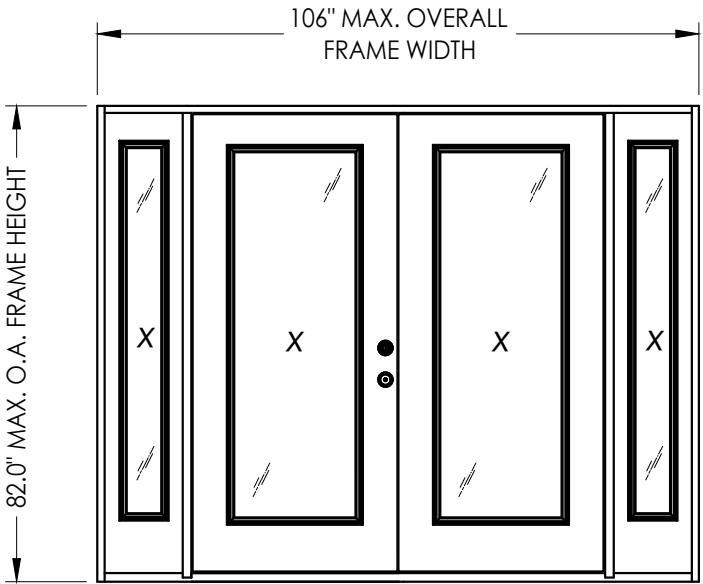
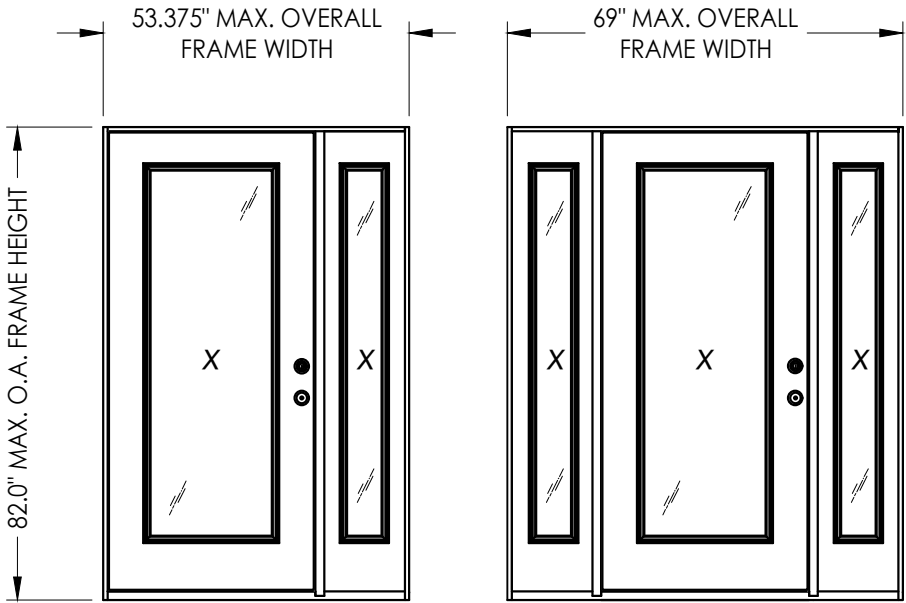
"VENTED" SIDELITES
w/ GLAZED FIBERGLASS DOOR
INSWING
"Non-Impact"



Digitally signed
by Lyndon F
Schmidt
Date: 2026.08.06
16:15:07 -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 9th Edition (2026) 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.
6. Benchmark Door panels require the use of "J" part numbers and must be stained or painted within six months of installation.

TABLE OF CONTENTS

SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details & glazing details
3	Sidelite panel details & glazing details
4	Elevations
5	Horizontal cross sections
6	Vertical cross sections
7	Buck anchoring
8	Frame anchoring
9	Hardware details
10	Hardware strike details
11	Bill of materials and components

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) Multi-Point Door Lock		DESIGN PRESSURE (PSF) Lock & Deadbolt	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	53.375" x 82.0"	+40.0	-40.0	+40.0	-40.0
XXX	69.0" x 82.0"	+40.0	-40.0	+40.0	-40.0
XXXX	106.0" x 82.0"	+50.0	-50.0	+40.0	-40.0

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

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

PRODUCT:
BENCHMARK BY THERMA TRU

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

NO.	DATE	REVISIONS
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 03/06/20

SCALE: N.T.S.

DWG. BY: TJ

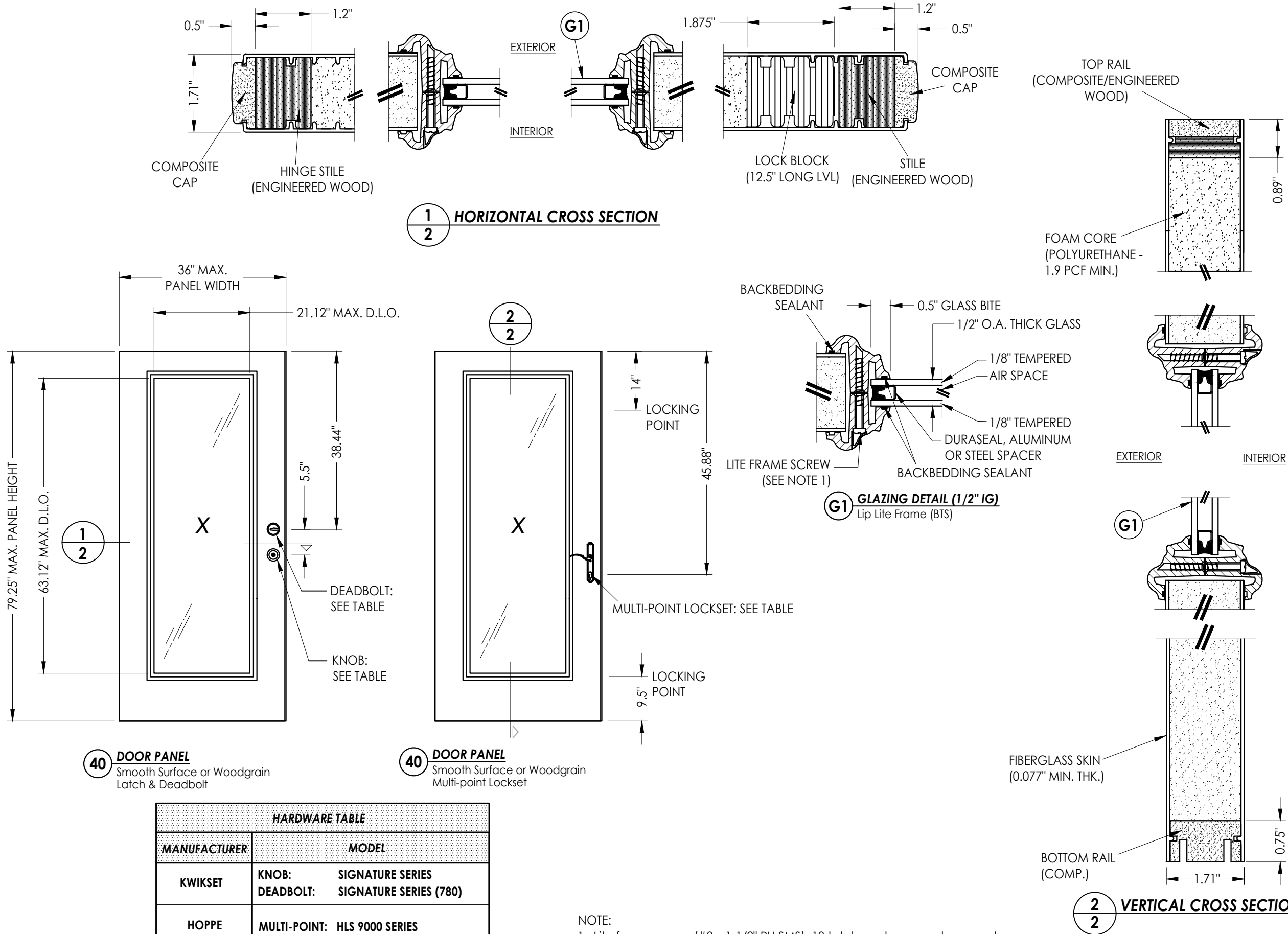
CHK. BY: LFS

DRAWING NO.:

FL-21135.18

SHEET 1 OF 11

Z:\2023 FBC Drawings\Therma-Tru\FL-21135 R7\FL-21135.18.dwg



HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (780)
HOPPE	MULTI-POINT: HLS 9000 SERIES	

Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:
DOOR PANEL DETAILS
& GLAZING DETAILS

REVISIONS				
NO.	DATE	BY	PO	LFS
3	7/2/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO

DATE: 03/06/20

SCALE: N.T.S.

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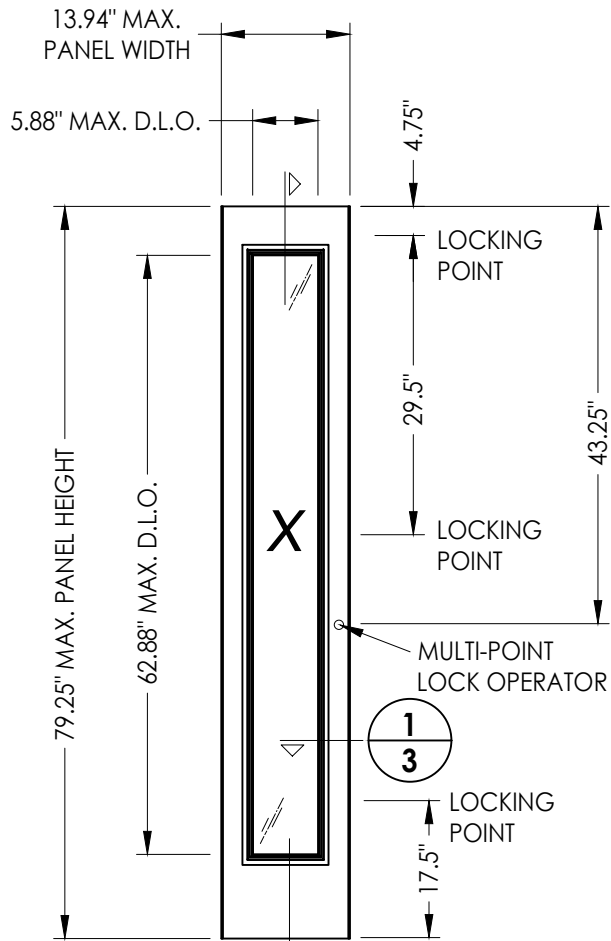
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DRAWING NO.:

FL-21135.18

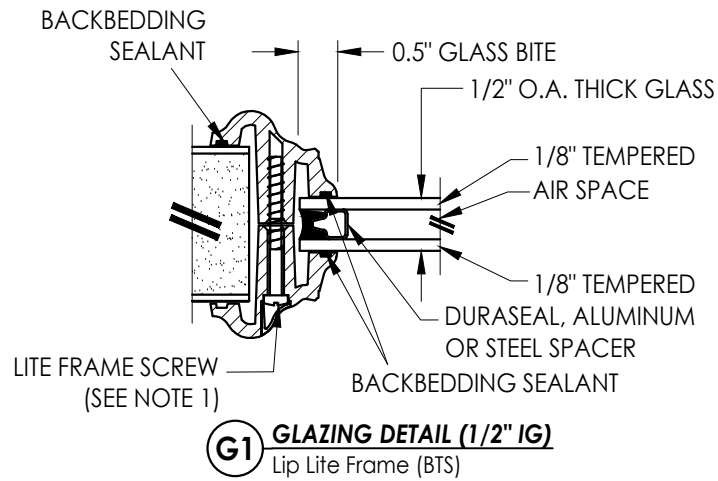
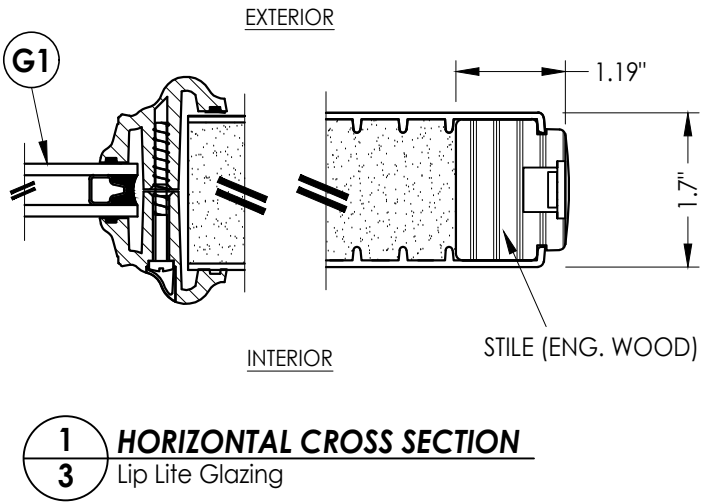
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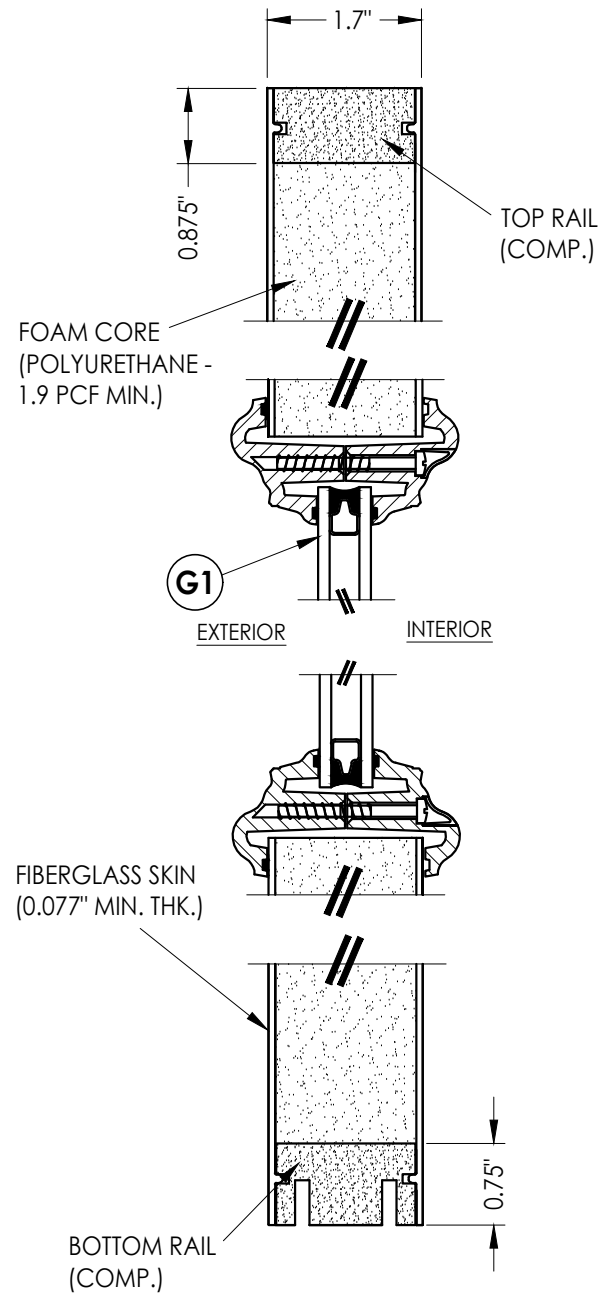


50 SIDELITE PANEL
Smooth Surface or Woodgrain Vented

HARDWARE TABLE	
MANUFACTURER	MODEL
HOPPE	MULTI-POINT: OSL SERIES (Sidelite)



NOTE:
1. Lite frame screws (#8 x 1-1/2" PH SMS), 14 total per sidelite, evenly spaced.



DATE: 03/06/20
SCALE: N.T.S.
DWG. BY: TJ
CHK. BY: LFS
DRAWING NO.: FL-21135.18
SHEET 3 OF 11

PRODUCT:
BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS
& GLAZING 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

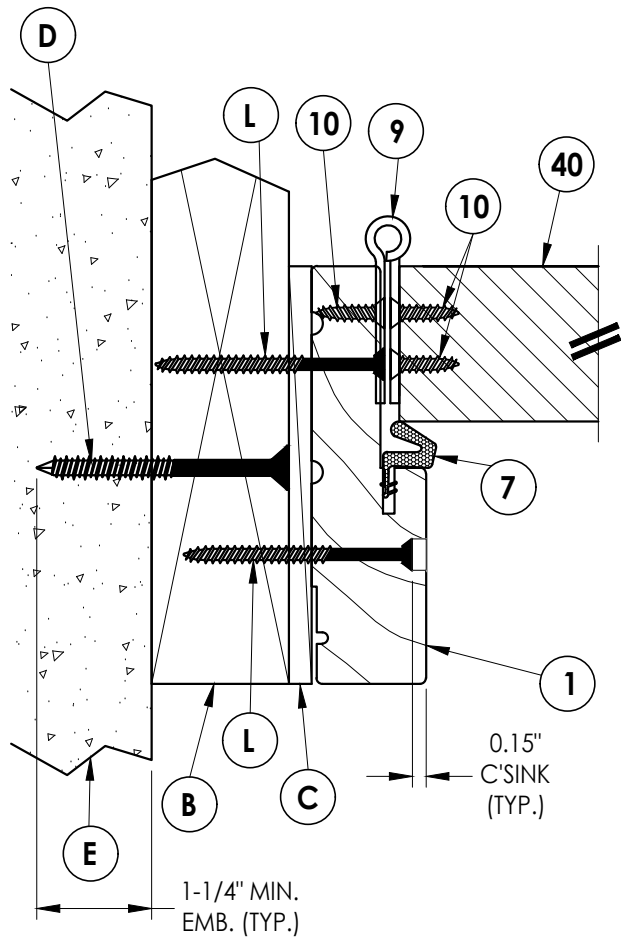
© 2020 R.W. BUILDING CONSULTANTS INC.

The diagram shows a top-down view of a vehicle's interior with four doors. The layout is symmetrical. The front doors (left and right) are labeled with a circle containing '4' over '5' and an 'X' below it. The rear doors (left and right) are labeled with a circle containing '5' over '5' and an 'X' below it. The front passenger area is labeled with a circle containing '1' over '6' and a circle containing '2' over '6'. The rear passenger area is labeled with a circle containing '3' over '6' and a circle containing '3' over '5'. The diagram also shows the front and rear seats, the center console, and the side mirrors.

The image displays 11 distinct architectural profiles for doors and windows, arranged horizontally. Each profile is shown in a side-view cross-section, highlighting its internal structure, glass placement, and hardware. The designs vary from traditional decorative glass doors with ornate patterns to modern multi-paned windows and solid doors with integrated handles and locks. The profiles are rendered in black lines on a white background, emphasizing their geometric forms and functional details.

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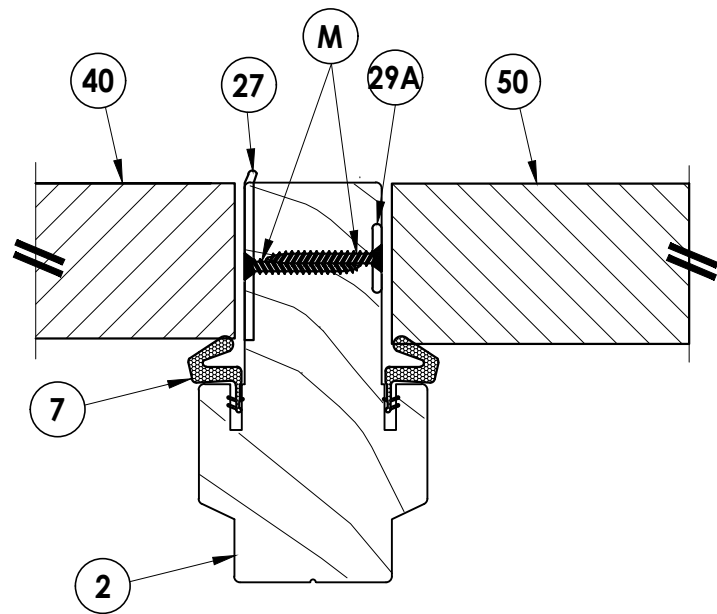
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1
5 HORIZONTAL CROSS SECTION

INTERIOR

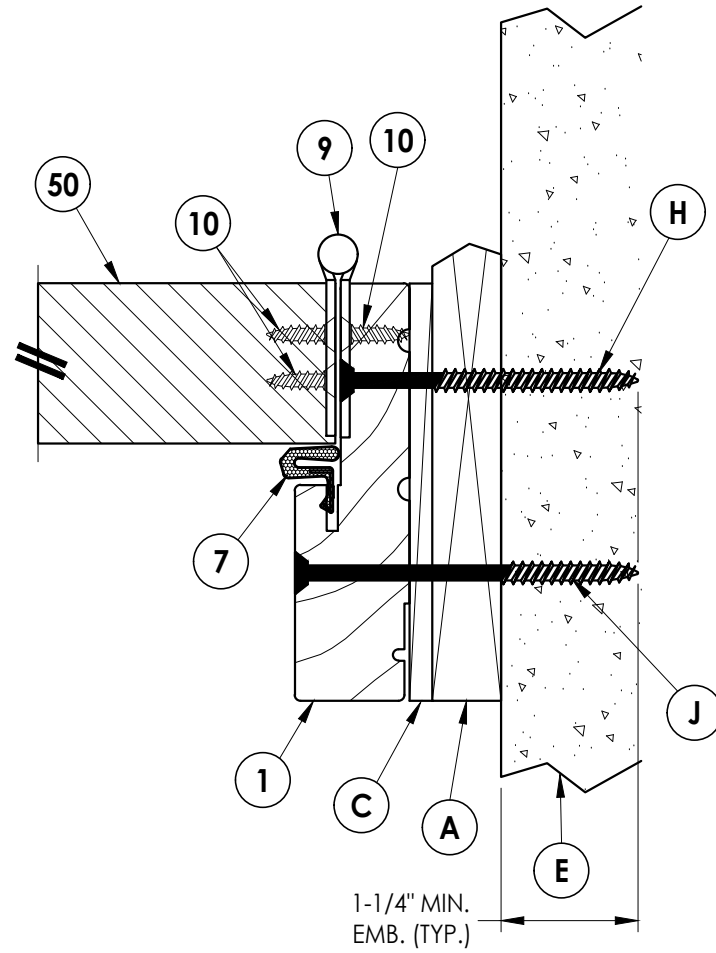
EXTERIOR



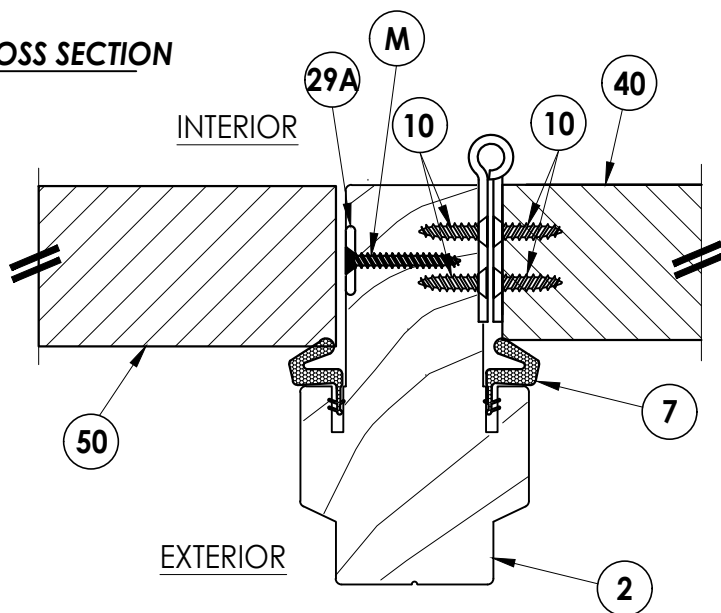
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5 HORIZONTAL CROSS SECTION

INTERIOR

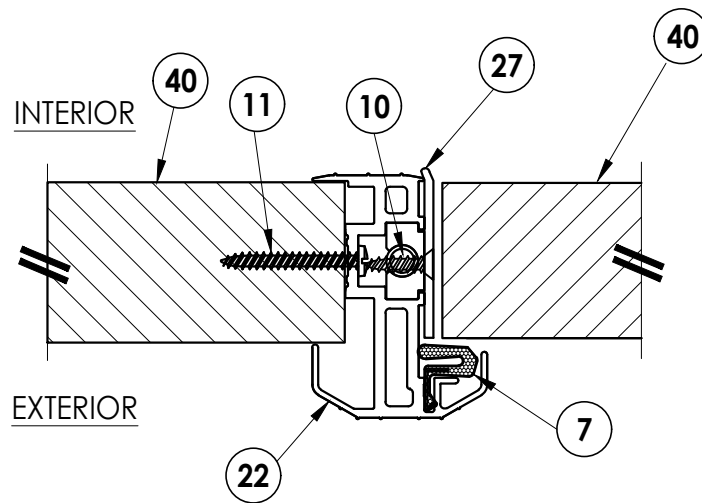
EXTERIOR



3
5 HORIZONTAL CROSS SECTION
Shown w/ 1X Buck



4
5 HORIZONTAL CROSS SECTION



5
5 HORIZONTAL CROSS SECTION

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

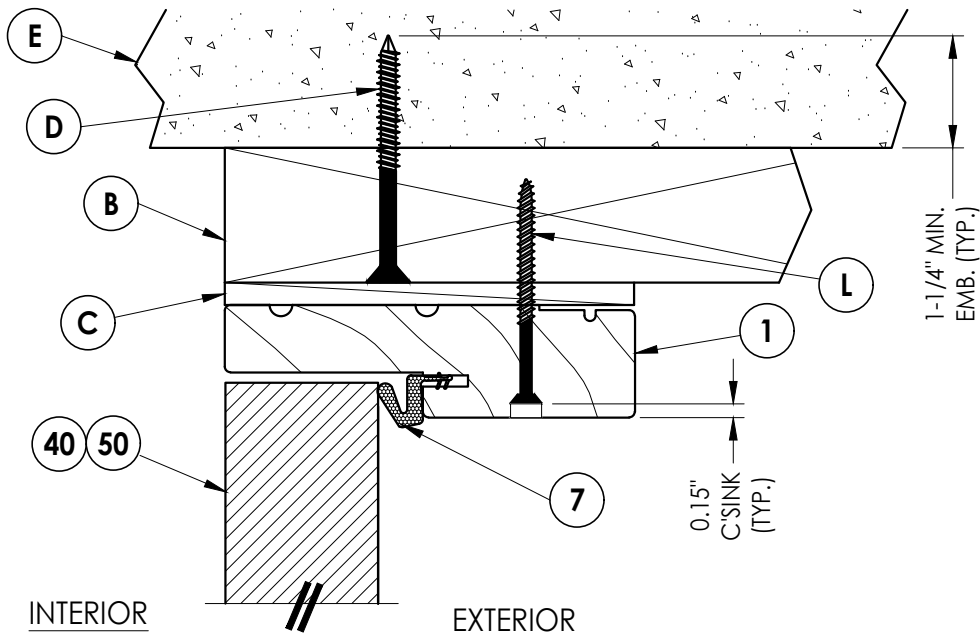
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
BENCHMARK BY THERMA TRU

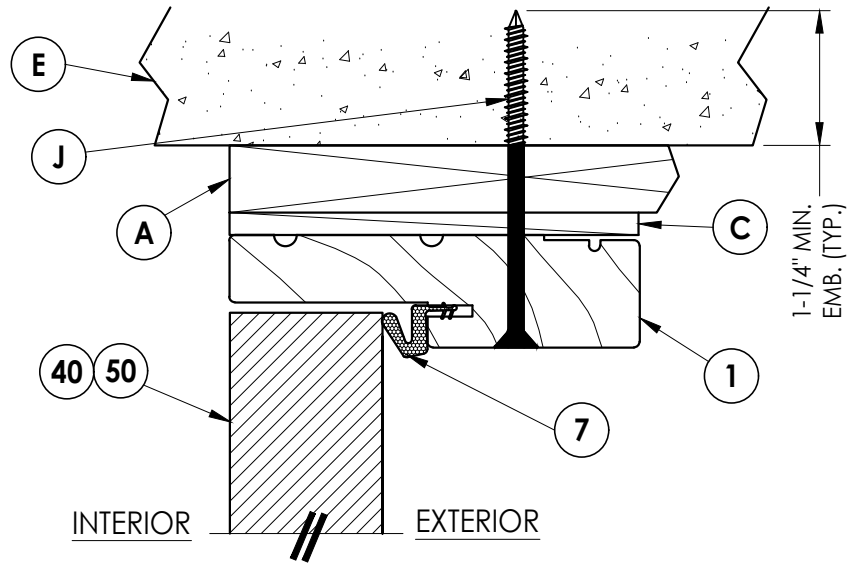
PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
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2	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC PO
		BY

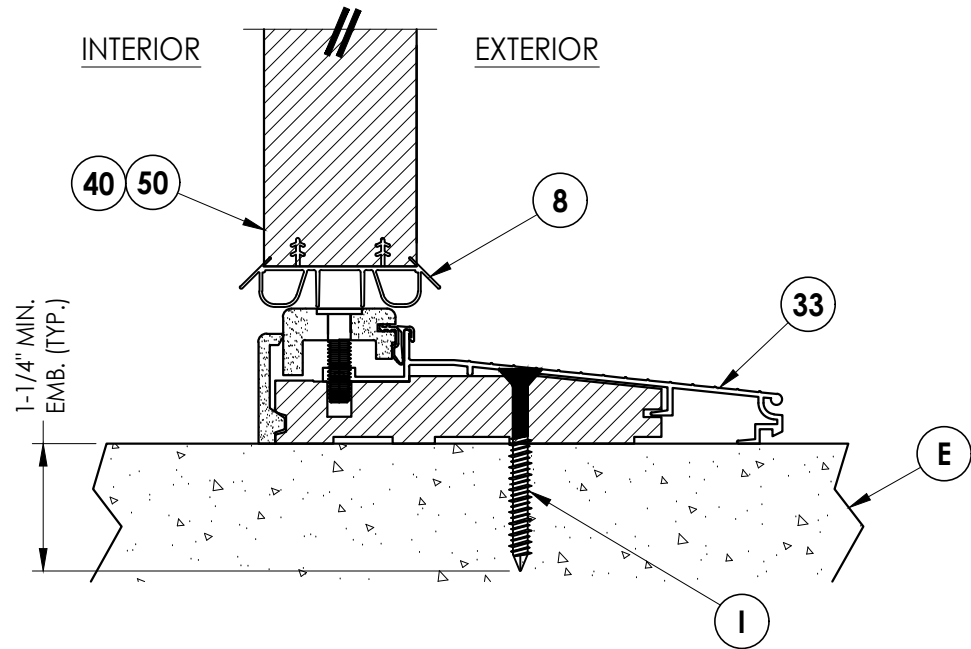
DATE: 03/06/20
SCALE: N.T.S.
DWG. BY: TJ
CHK. BY: LFS
DRAWING NO.:
FL-21135.18
SHEET 5 OF 11



1
6 VERTICAL CROSS SECTION



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



3
6 VERTICAL CROSS SECTION
Inswing sill

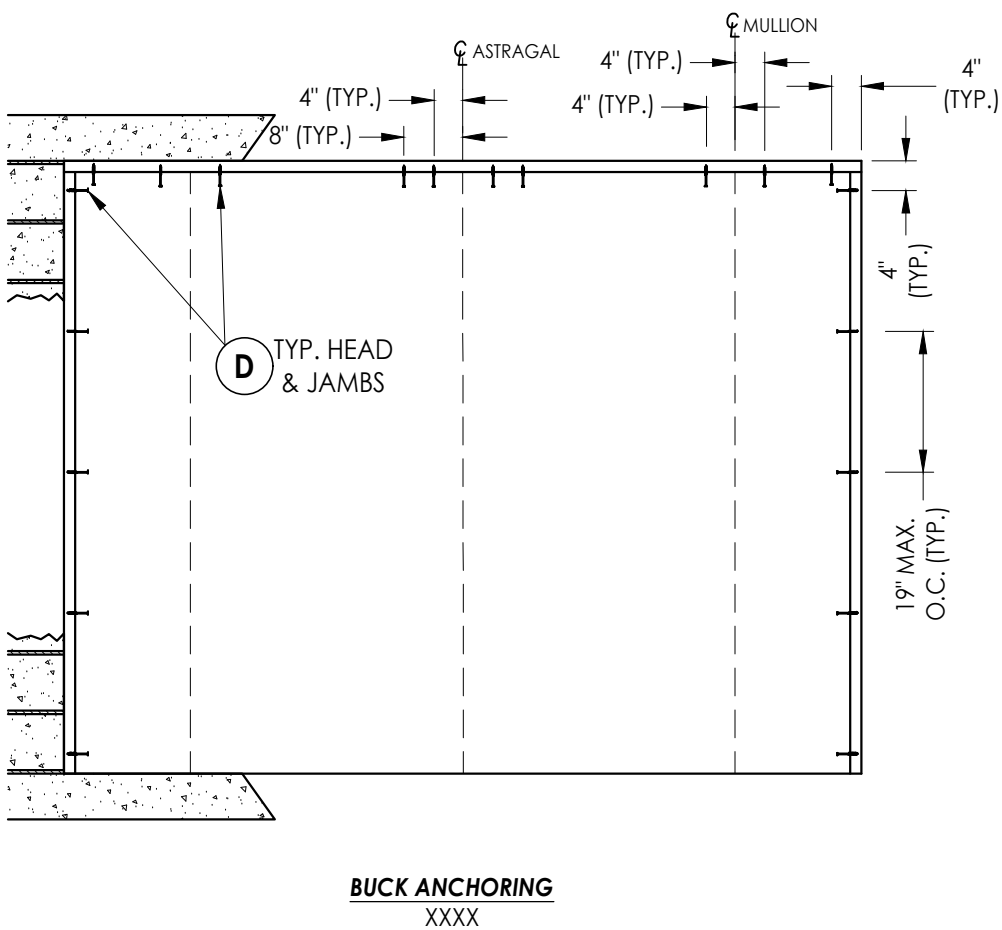
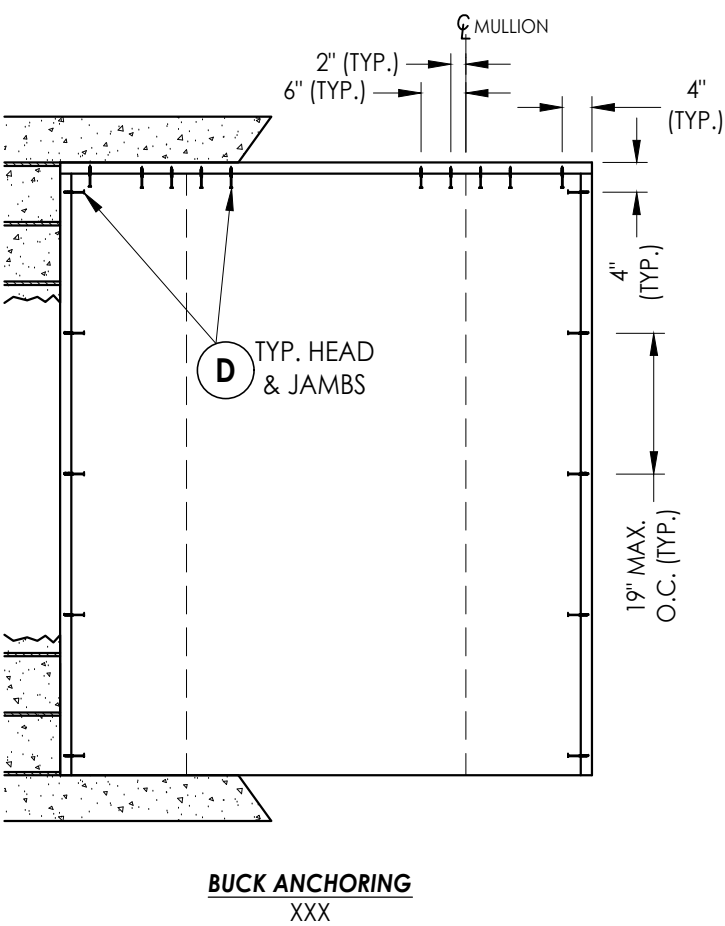
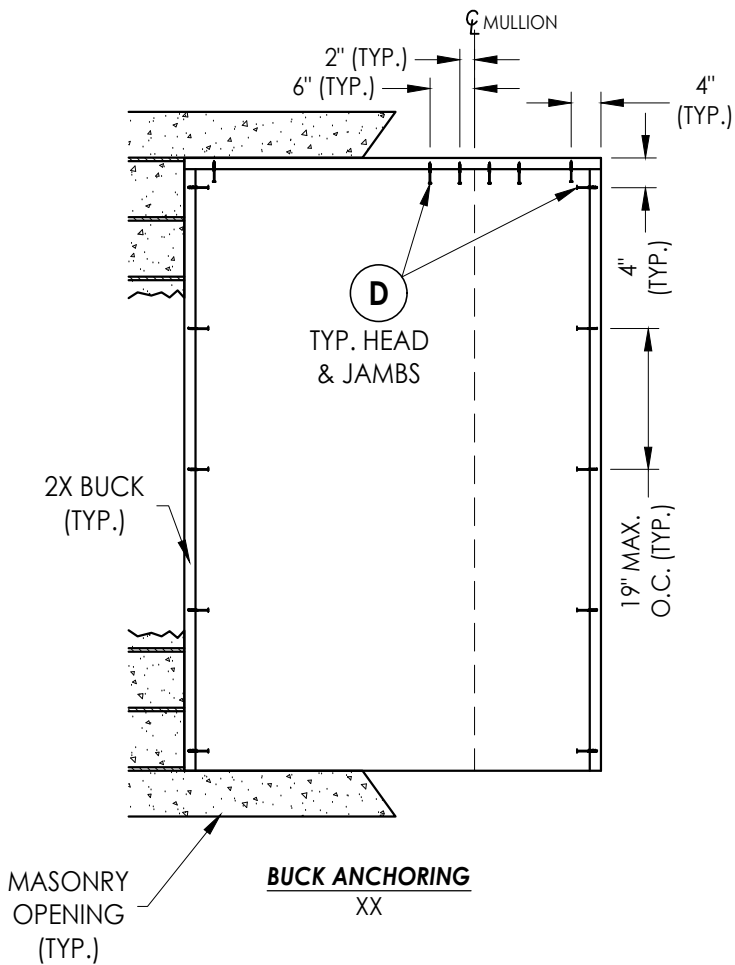
NO.	DATE	REVISIONS
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC PO
		BY

PRODUCT:	BENCHMARK BY THERMA TRU
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

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

DATE:	03/06/20
SCALE:	N.T.S.
DWG. BY:	TJ
CHK. BY:	LFS
DRAWING NO.:	FL-21135.18
SHEET	6 OF 11

Z:\2023 FBC Drawings\Therma-Tru\FL-21135 R7\FL-21135.18.dwg



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. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" 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

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

PRODUCT:

BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:

BUCK ANCHORING

NO.	DATE	REVISIONS
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 03/06/20

SCALE: N.T.S.

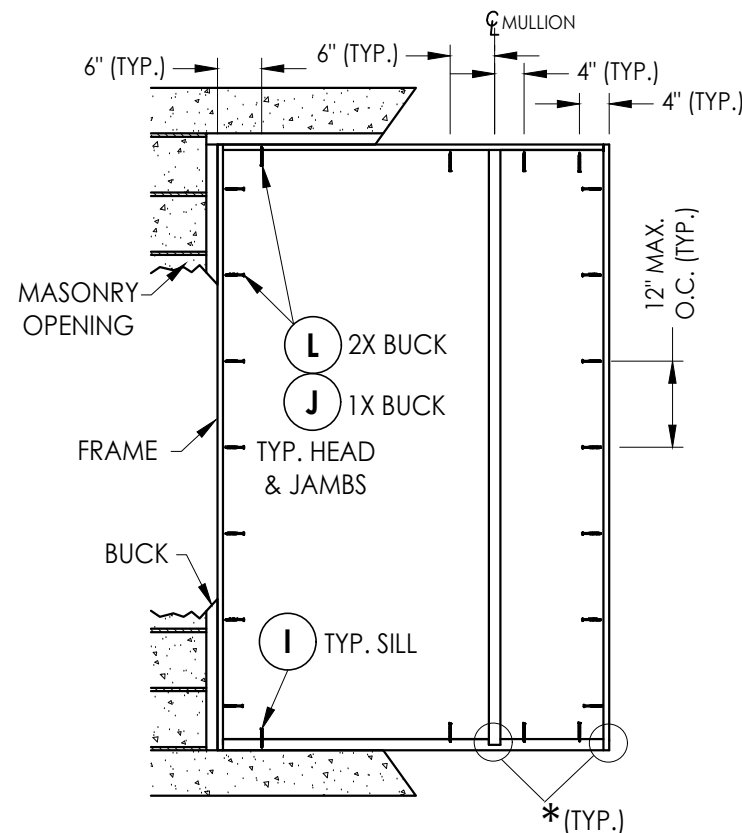
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CHK. BY: LFS

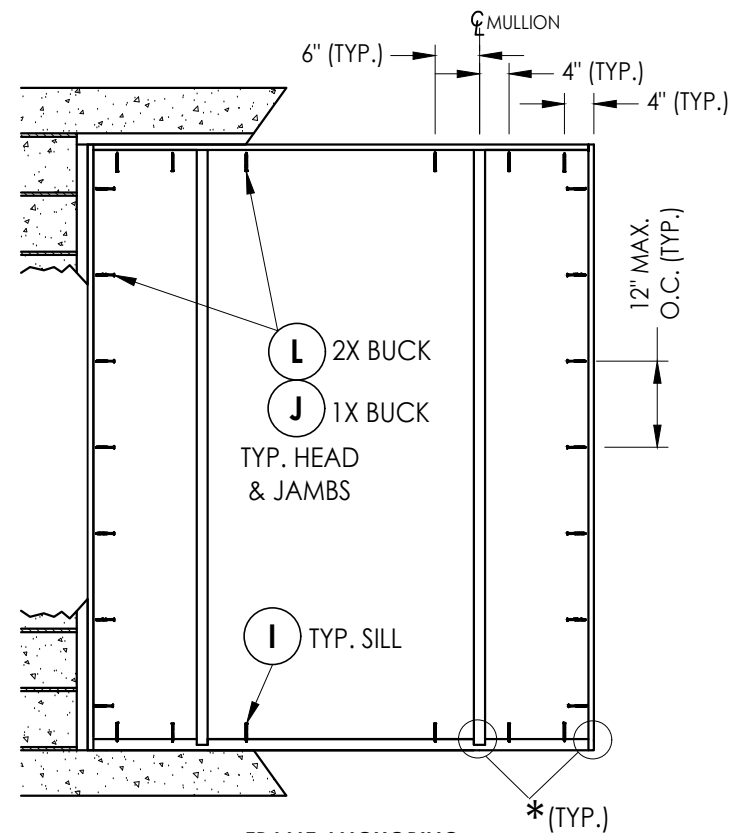
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FL-21135.18

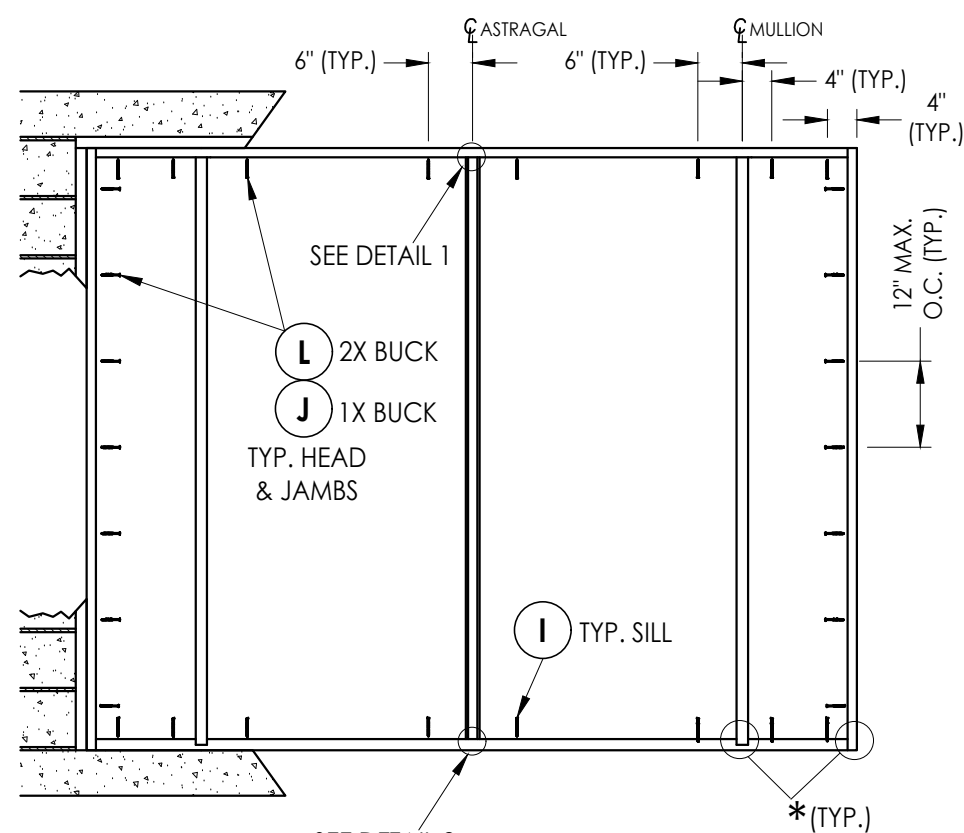
SHEET 7 OF 11



FRAME ANCHORING
XX

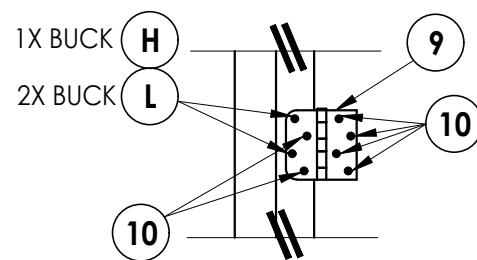


FRAME ANCHORING
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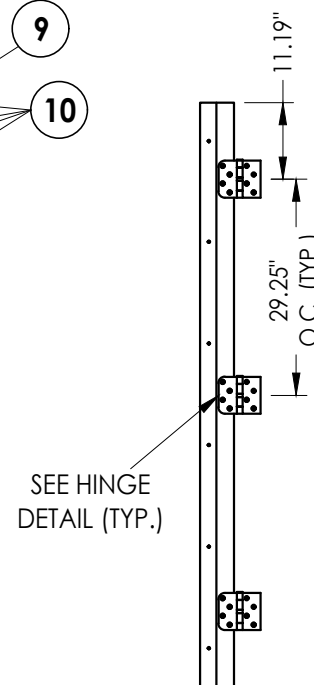


SEE DETAIL 2
FRAME ANCHORING
XXXX

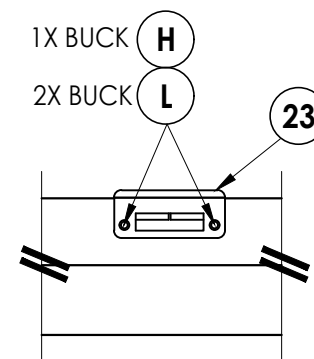
* The frame jambs and vertical mullions are secured to the head and sill with (3) #8 x 2-1/2" wood screws each.



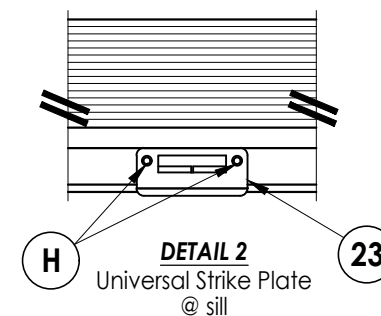
HINGE DETAIL



HINGE JAMB



DETAIL 1
Universal Strike Plate
@ head



DETAIL 2
Universal Strike Plate
@ sill

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. 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"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

1. 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

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

PRODUCT:
BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS			
3	7/2/26	UPDATE TO	9TH ED.	(2026)	FBC
2	8/21/23	UPDATE TO	8TH ED.	(2023)	FBC
1	7/16/20	UPDATE TO	7th ED	(2020)	FBC
					BY

DATE: 03/06/20

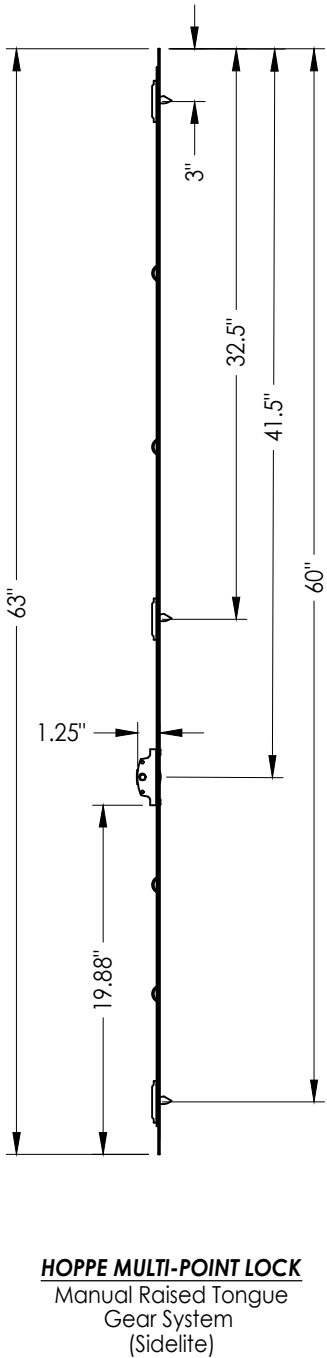
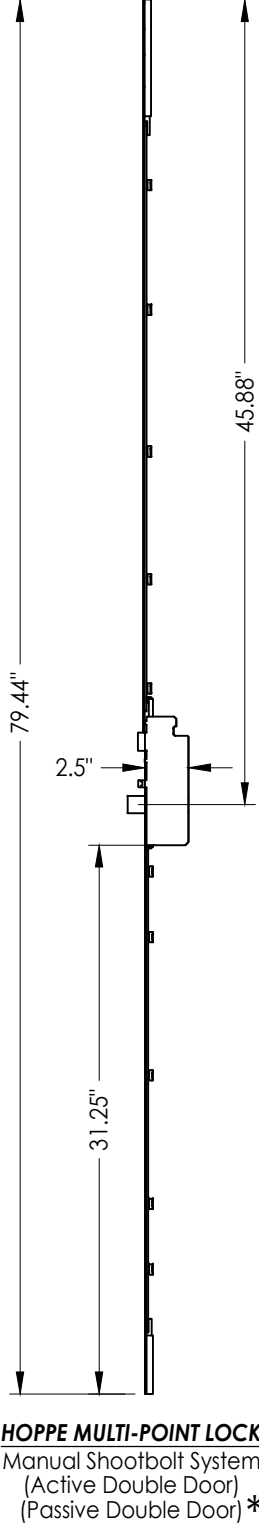
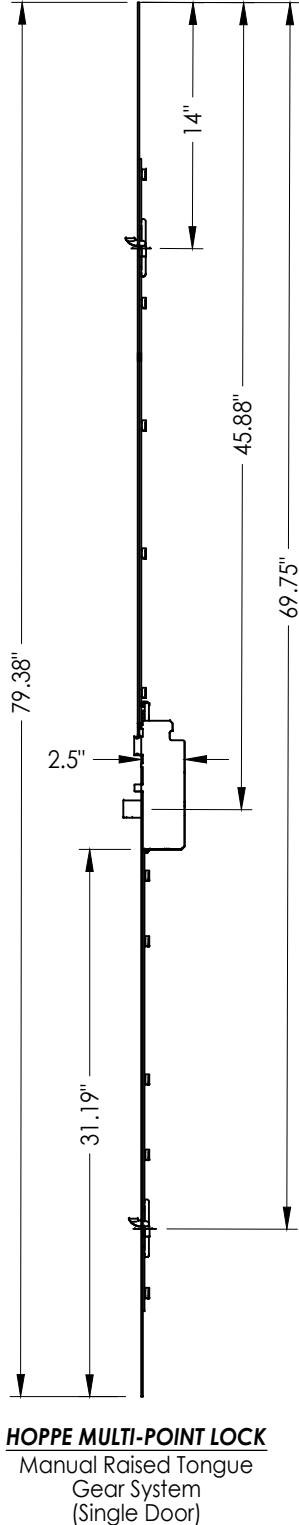
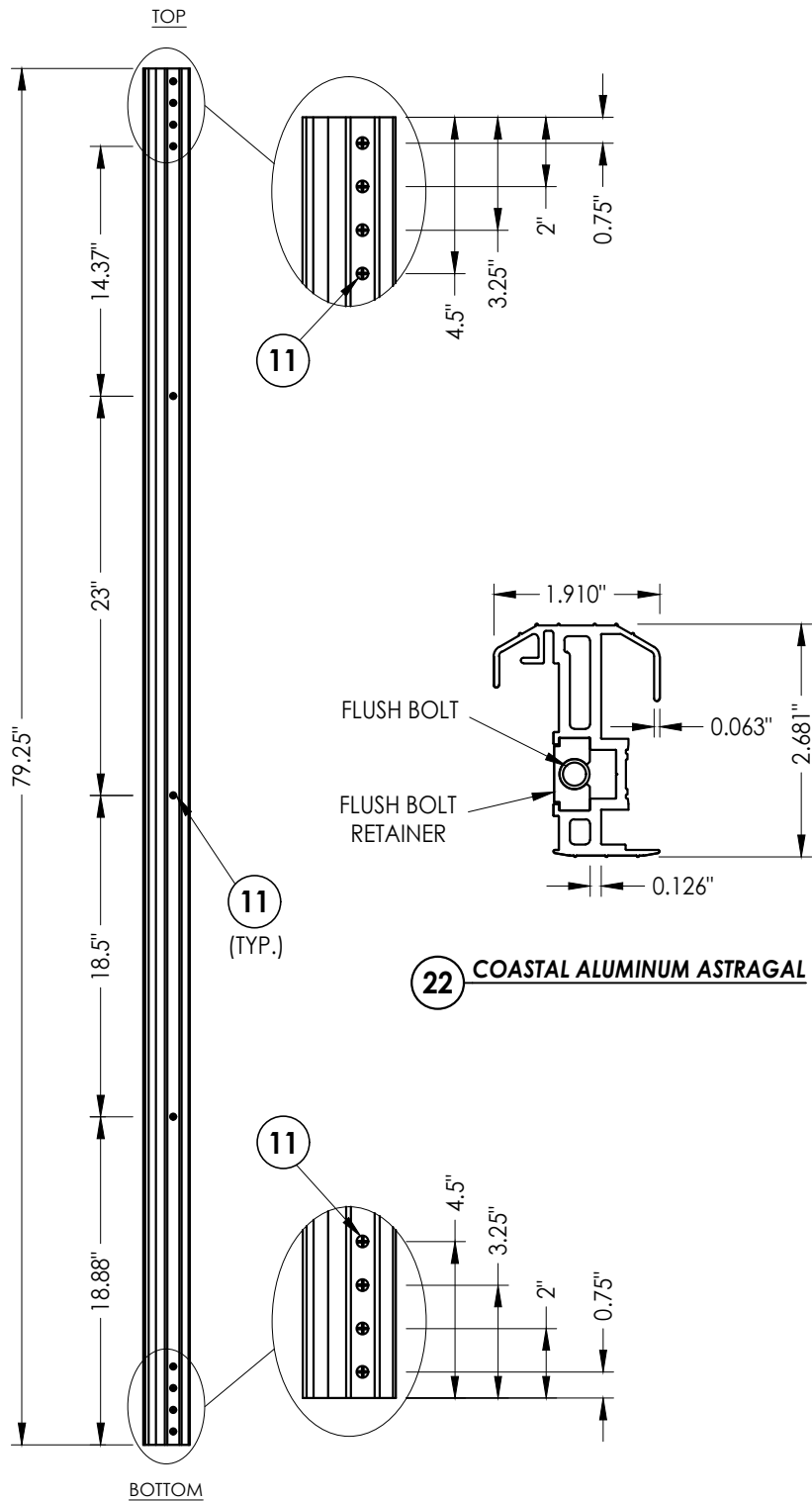
SCALE: *N.T.S.*

DWG. BY: TJ

CHK. BY: LFS

DRAWING NO.:

FL-21135.18



HOPPE MULTI-POINT LOCK SYSTEMS

* Hoppe Multi-point Lock (2-pt shootbolt) may be used on in-active (passive door) in lieu of astragal shootbolts for Design Pressures <= 20 PSF only.

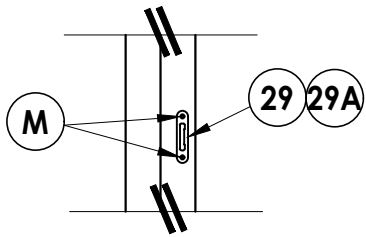
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03/06/20		3		7/2/26		LFS	
N.T.S.		2		8/21/23		FBC	
TJ		1		7/16/20		FBC	
LFS		NO.		DATE		BY	
FL-21135.18		9		OF		11	
SHEET		DRAWING NO.:		CHK. BY:		DWG. BY:	
SCALE:		DATE:		NO.		BY	
DATE:		NO.		DATE		BY	

PRODUCT:		PART OR ASSEMBLY:	
BENCHMARK BY THERMA TRU		HARDWARE DETAILS	

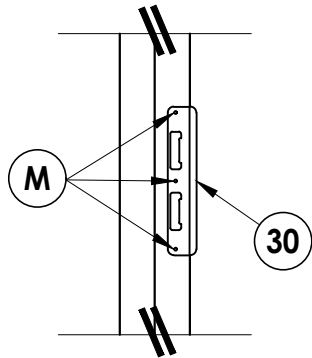
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

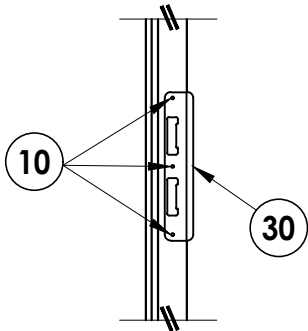
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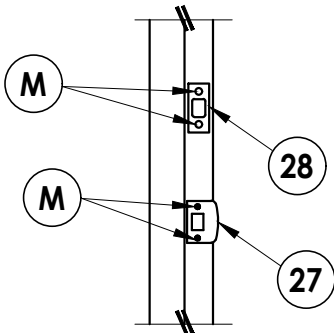
TONGUE STRIKE DETAIL
Single Door/Sidelite



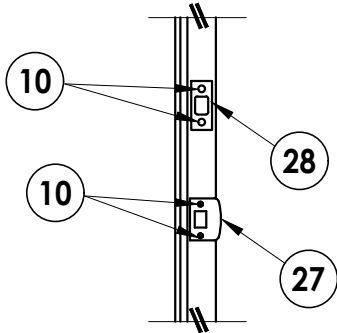
LATCH & DEADBOLT DETAIL
Single Door



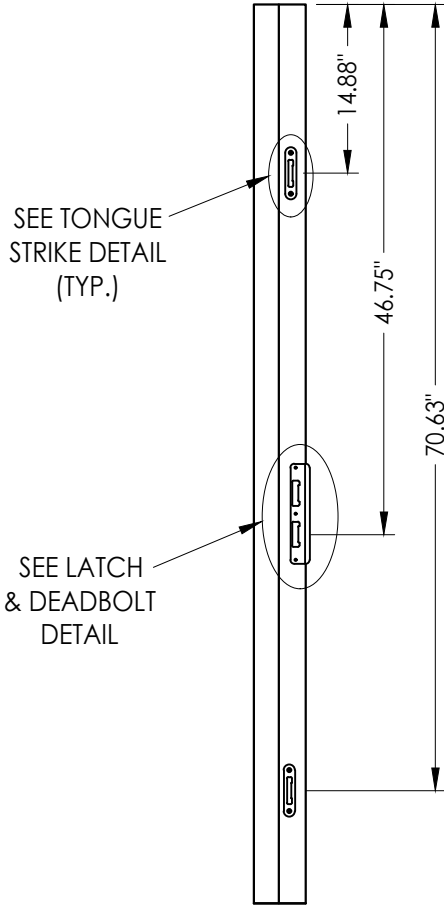
LATCH & DEADBOLT DETAIL
Double Door



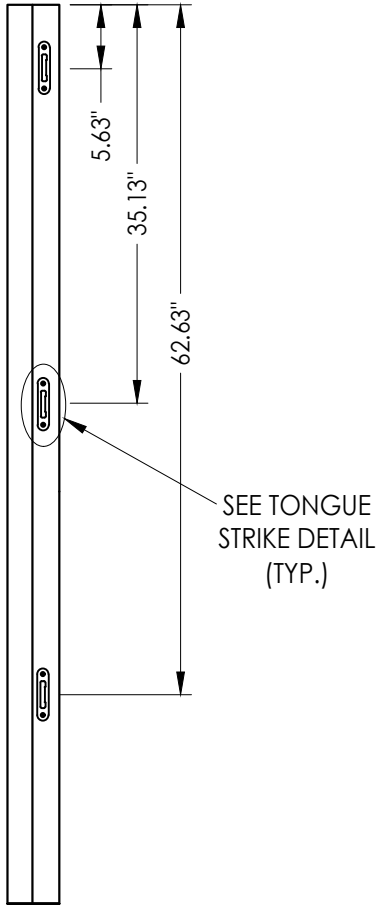
LATCH & DEADBOLT DETAIL
Single Door



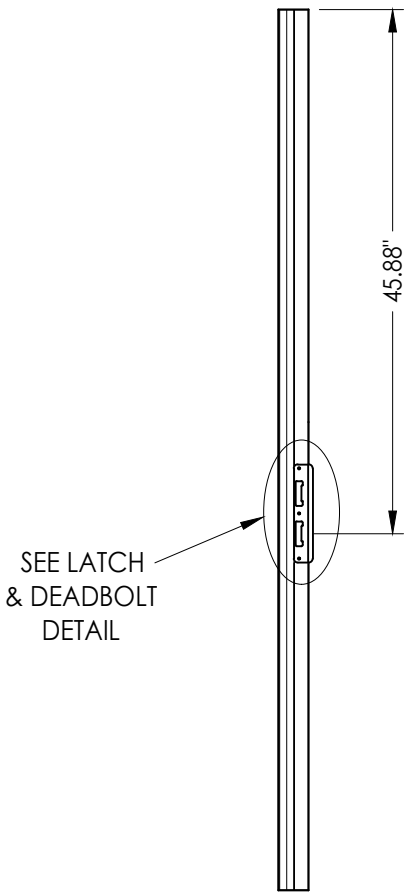
LATCH & DEADBOLT DETAIL
Double Door



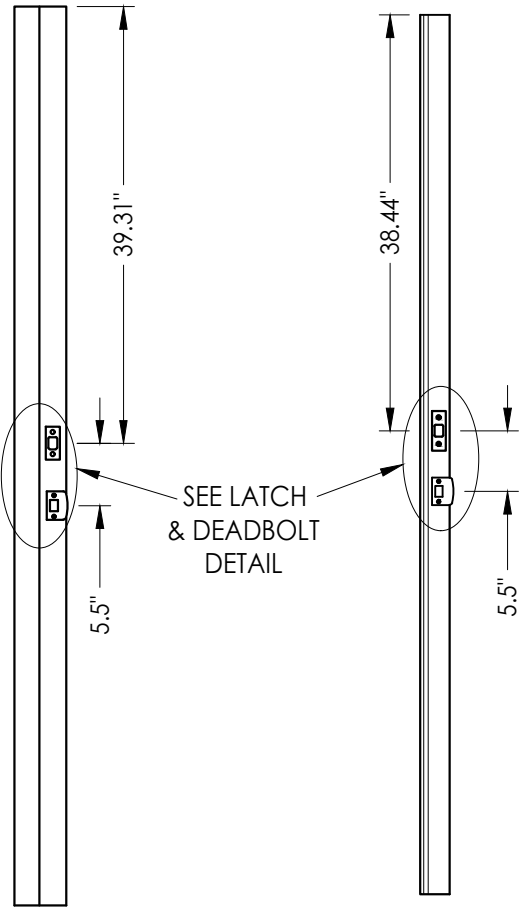
STRIKE JAMB / MULLION
Single Door



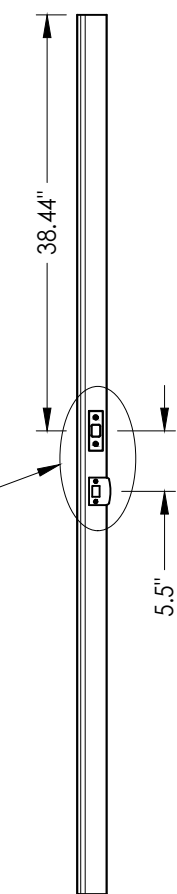
STRIKE MULLION
Sidelite



ASTRAGAL STRIKE
Double Door



STRIKE JAMB / MULLION
Single Door



ASTRAGAL STRIKE
Double Door

MULTI-POINT LOCK STRIKE DETAILS

LATCH & DEADBOLT STRIKE DETAILS

NO.	DATE	REVISIONS
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 03/06/20

SCALE: N.T.S.

DWG. BY: TJ

CHK. BY: LFS

DRAWING NO.:
FL-21135.18

SHEET 10 OF 11

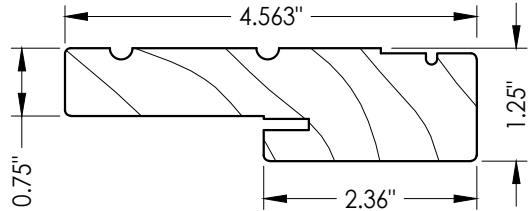
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

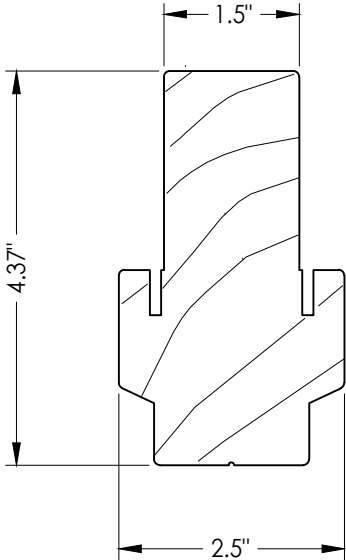
PRODUCT:
BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:
HARDWARE STRIKE DETAILS

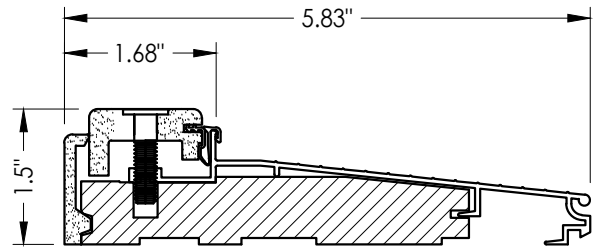
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
H	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
I	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW (1.15" MIN. EMBEDMENT)	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW	STEEL
M	#8 X 1-1/4" PFH WOOD SCREW	STEEL
1	HEAD AND SIDE JAMB (FINGER-JONTEDED PINE) SG >= 0.42	WOOD
2	INTEGRAL MULLION (FINGER-JONTEDED PINE) SG >= 0.42	WOOD
7	WEATHERSTRIP (THERMA-TRU)	FOAM
8	DOOR BOTTOM SWEEP	PVC
9	4" X 4" HINGE	STEEL
10	#10 X 3/4" PFH WOOD SCREW	STEEL
11	#10 X 1-3/4" PFH WOOD SCREW	STEEL
22	COASTAL ALUMINUM ASTRAGAL	ALUM
23	UNIVERSAL STRIKE PLATE (AT HEAD & SILL)	STEEL
27	LATCH STRIKE PLATE (STANDARD)	STEEL
28	DEADBOLT PLATE (STANDARD)	STEEL
29	TONGUE STRIKE PLATE (DOOR TONGUE SYSTEM)	STEEL
29A	TONGUE STRIKE PLATE (SIDELITE TONGUE SYSTEM)	STEEL
30	LATCH & DEADBOLT STRIKE PLATE (TONGUE & SHOOTBOLT SYSTEM)	STEEL
33	INSWING THRESHOLD	ALUM/COMP
40	FIBERGLASS DOOR PANEL - SMOOTH STAR BMTT	-
50	FIBERGLASS SIDELITE PANEL - SMOOTH STAR BMTT	-



1 HEAD & JAMB

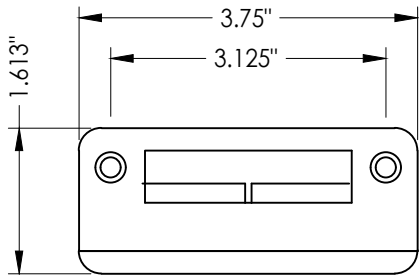


2 INTEGRAL MULLION

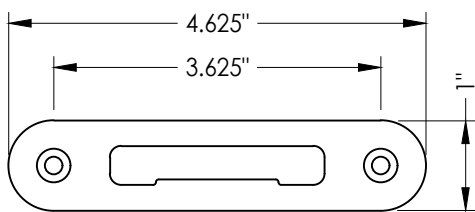
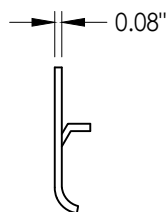


33 INSWING THRESHOLD

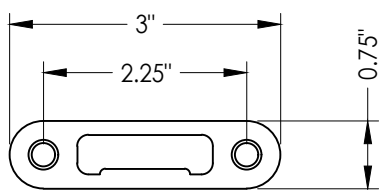
CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.



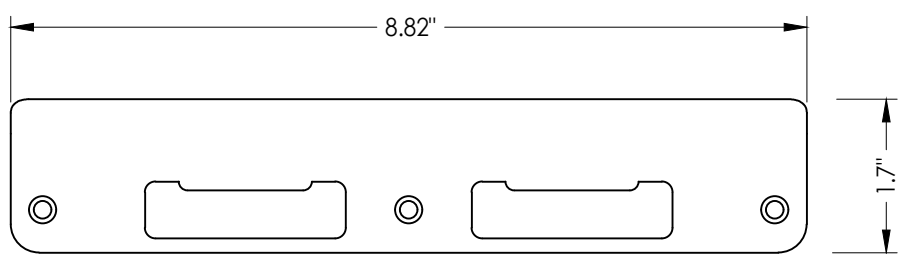
23 UNIVERSAL STRIKE PLATE
Head & Sill



29 TONGUE STRIKE PLATE
Door Tongue system



29A TONGUE STRIKE PLATE
Sidelite Tongue system



30 LATCH & DEADBOLT STRIKE PLATE
Tongue & Shootbolt system

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: BENCHMARK BY THERMA TRU		PART OR ASSEMBLY: BILL OF MATERIAL & COMPONENTS	
3	7/2/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020)	FBC PO
NO.	DATE		BY
REVISIONS			
DATE: 03/06/20			
SCALE: N.T.S.			
DWG. BY: TJ			
CHK. BY: LFS			
DRAWING NO.: FL-21135.18			
SHEET 11 OF 11			