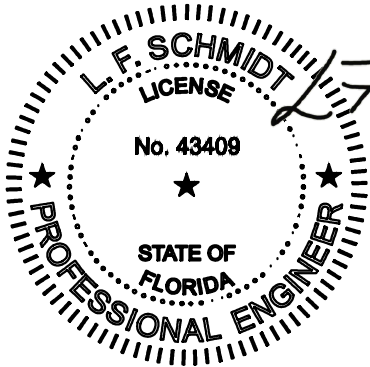


"VENTED" SIDELITES
w/ GLAZED FIBERGLASS DOOR
INSWING
"Non-Impact"

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.

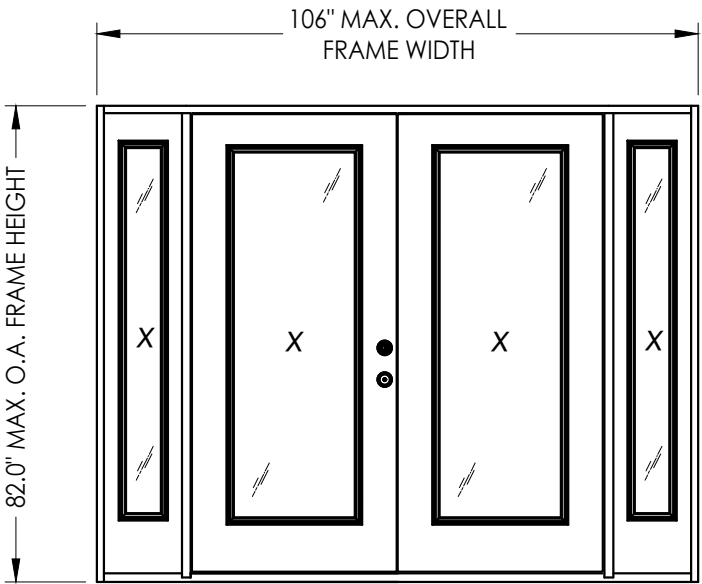
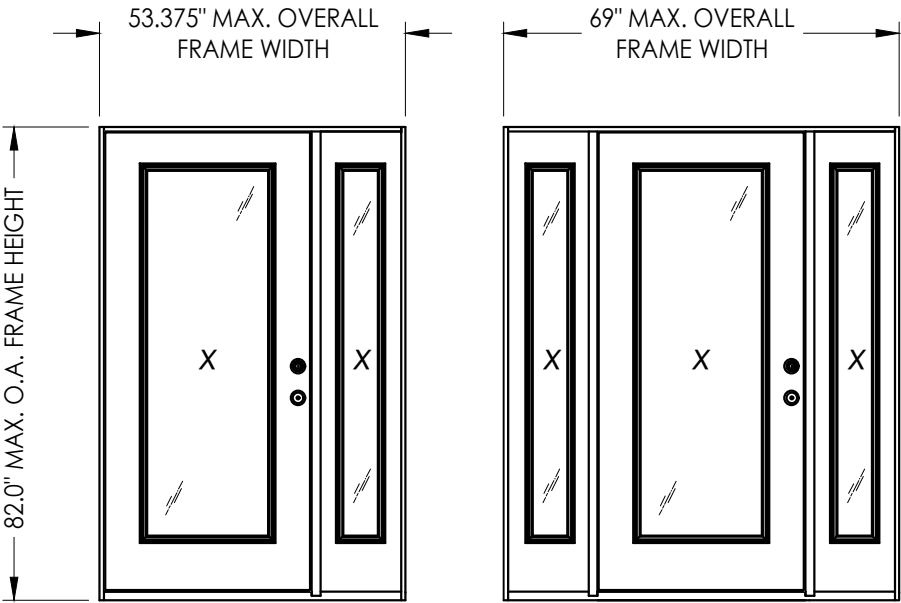
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details & glazing details
3	Sidelite panel details & glazing details
4	Elevations
5	Horizontal cross sections
6	Vertical cross sections
7	Buck anchoring
8	Frame anchoring
9	Hardware details
10	Hardware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



Digitally signed
by Lyndon F
Schmidt
Date:
2026.08.06
16:11:52 -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



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

RW

PRODUCT:
BENCHMARK BY THERMA TRU

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

5	7/2/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO
2	10/08/18	REV. DOOR PANEL OPTION	NOTE	MT
1	12/12/17	RECESSED PANEL NOTATION		JK
NO.	DATE			BY
REVISIONS				

DATE: 10/02/17

SCALE: N.T.S.

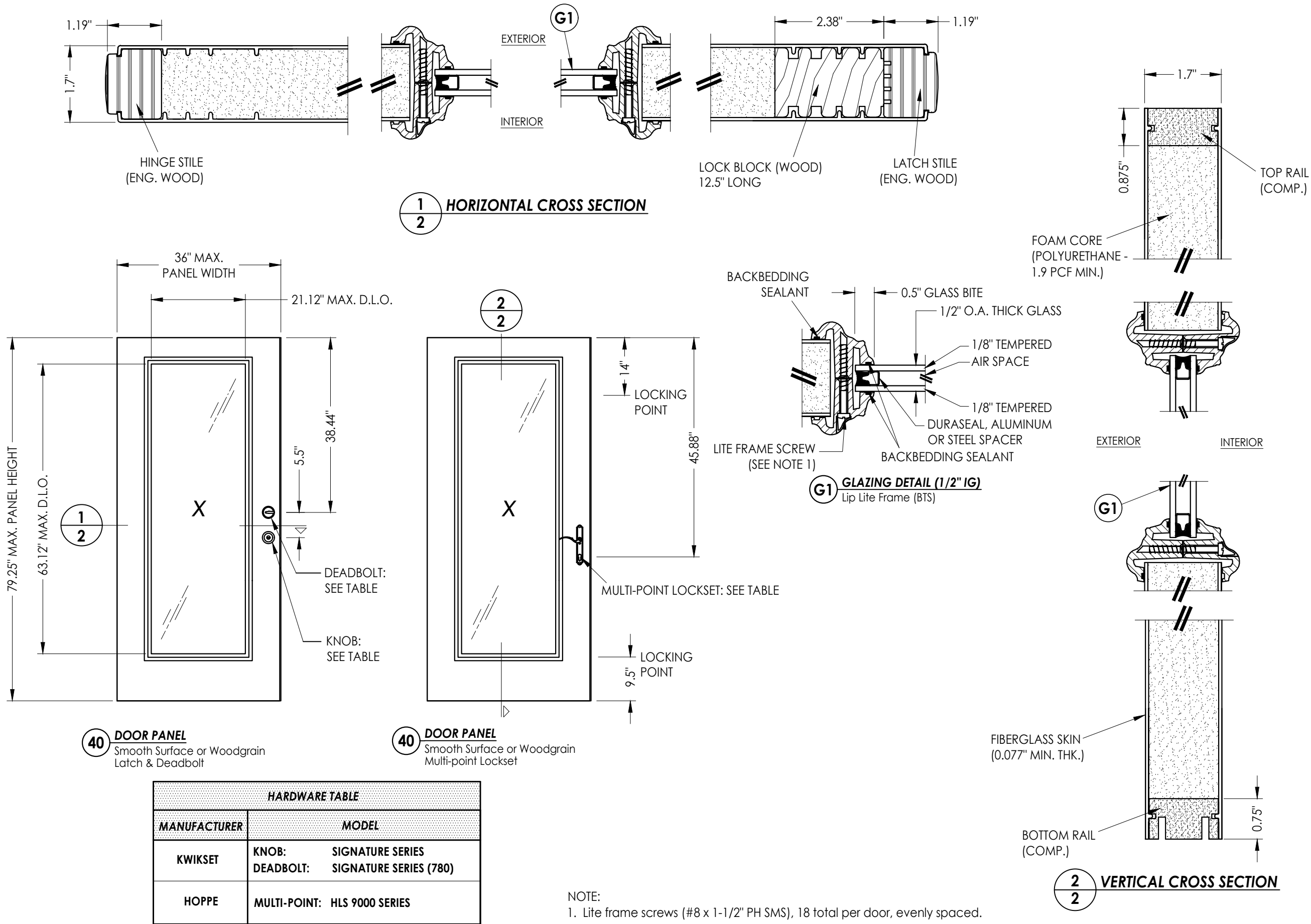
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CHK. BY: LFS

DRAWING NO.: FL-21135.9

SHEET 1 OF 11

Z:\2023 FBC Drawings\Therma-Tru\FL-21135 R7\FL-21135.9.dwg



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:
DOOR PANEL DETAILS
& GLAZING DETAILS

NO.	DATE	REVISIONS					
		LFS	FBC	FBC	P0	MT	JK
5	7/2/26	UPDATE TO 9TH ED.	(2026)	FBC			
4	8/21/23	UPDATE TO 8TH ED.	(2023)	FBC			
3	7/16/20	UPDATE TO 7th ED	(2020)	FBC			
2	10/08/18	REV. DOOR PANEL OPTION	NOTE				
1	12/12/17	RECESSED PANEL	NOTATION				

DATE: 10/02/17

SCALE: N.T.S.

DWG. BY: JK

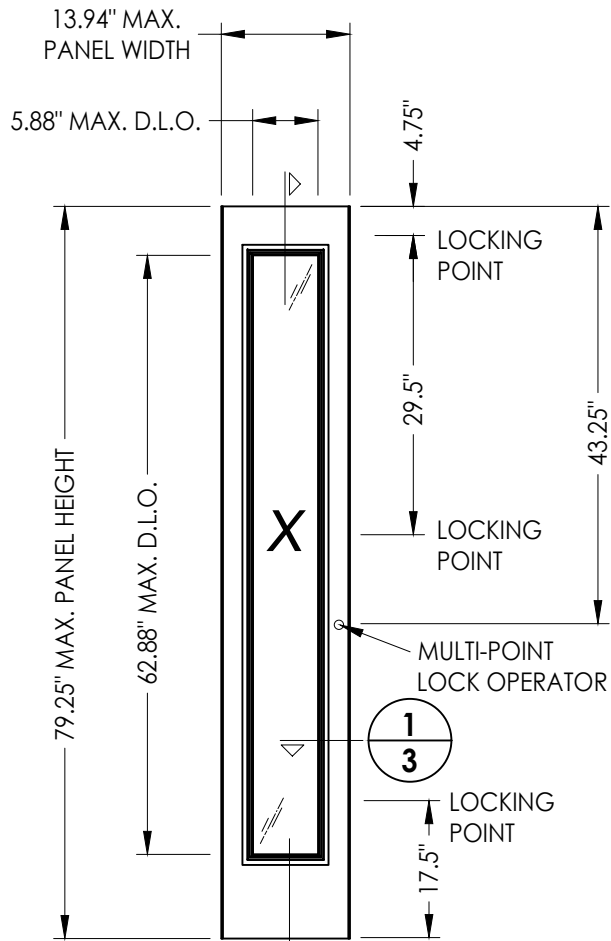
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DRAWING NO.:

FL-21135.9

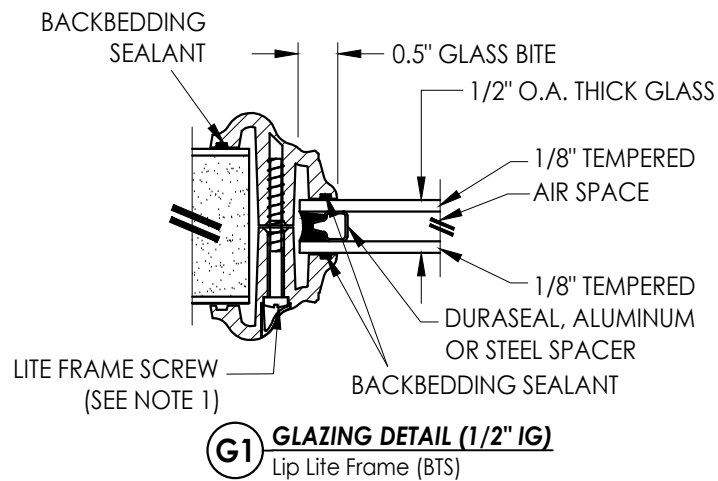
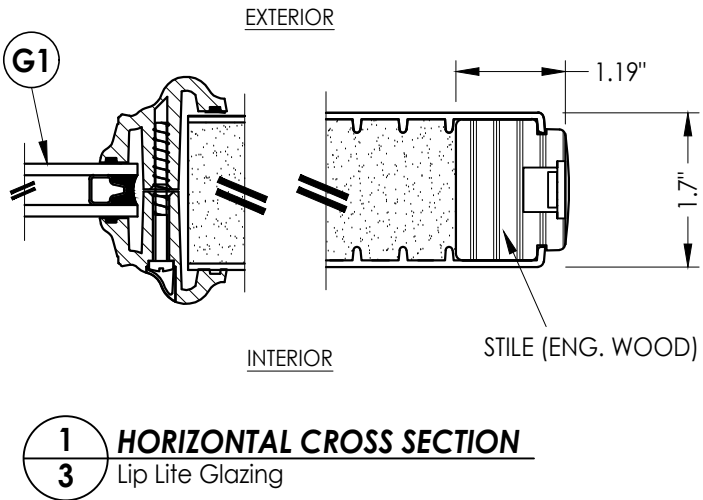
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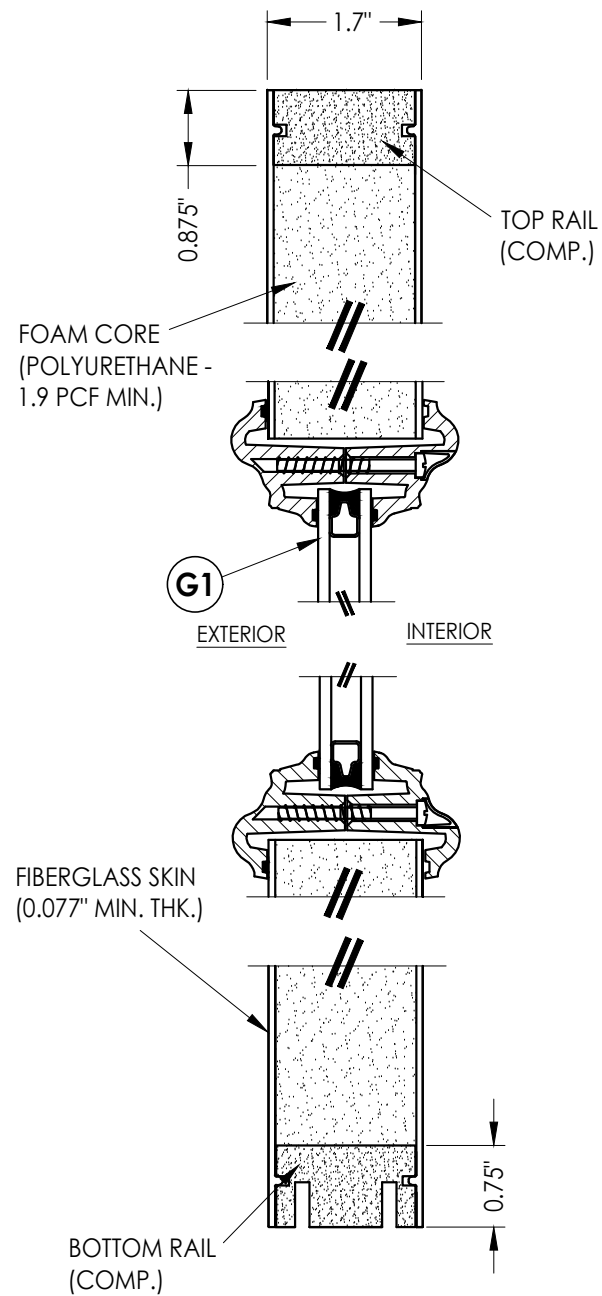


50 SIDELITE PANEL
Smooth Surface or Woodgrain Vented

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.



2
3 **VERTICAL CROSS SECTION**

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

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Phone No.: 813.659.9197
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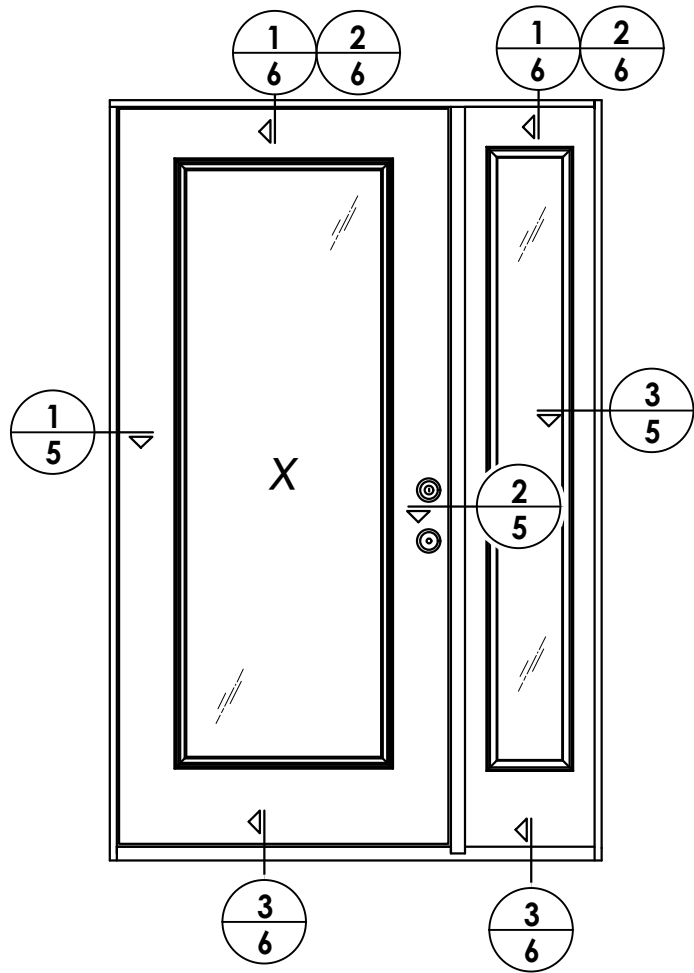
PRODUCT:
BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS
& GLAZING DETAILS

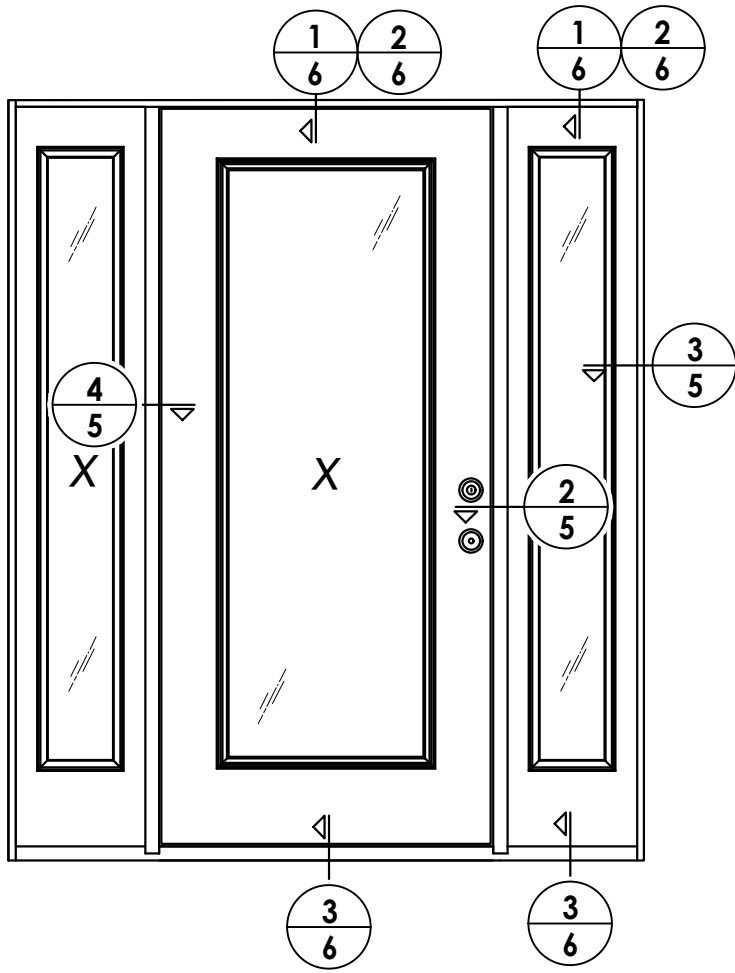
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4	8/21/23	UPDATE TO 8TH ED. (2023) FBC
3	7/16/20	UPDATE TO 7th ED (2020) FBC
2	10/08/18	REV. DOOR PANEL OPTION NOTE
1	12/12/17	RECESSED PANEL NOTATION

DATE: 10/02/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21135.9
SHEET 3 OF 11

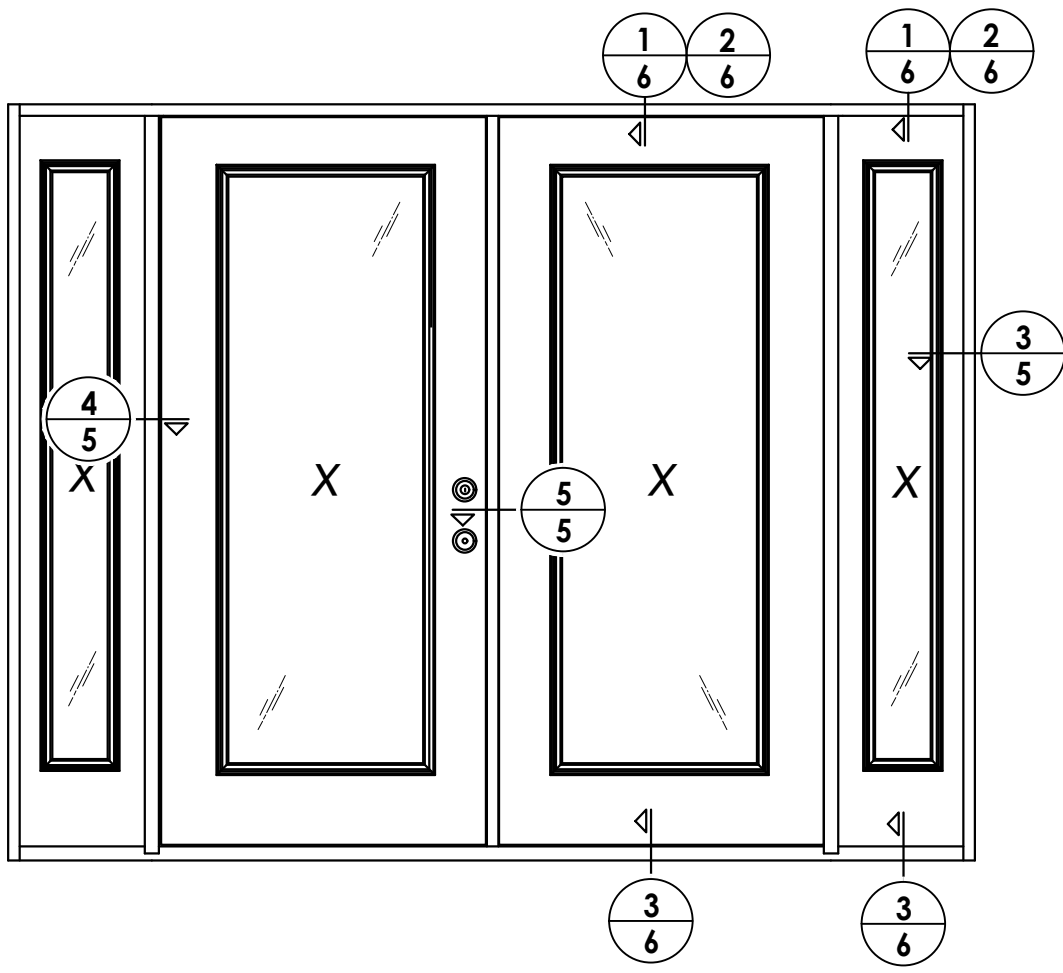
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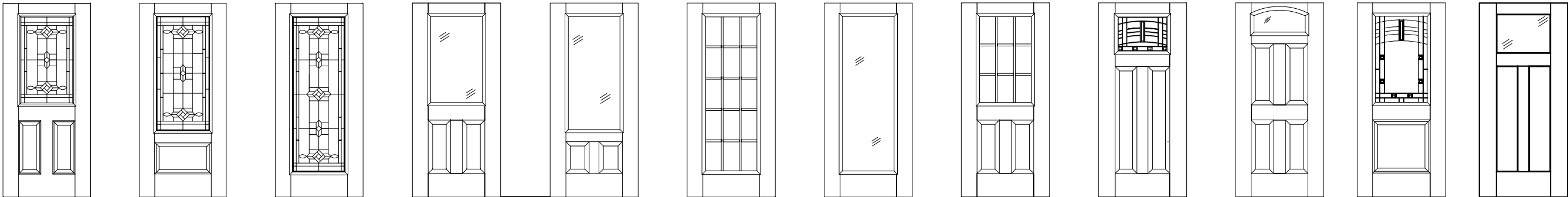
ELEVATION
XX



ELEVATION
XXX



ELEVATION
XXXX



Benchmark Door Panel Options

Products approved include all embossed and recessed panel doors.
Similar glazed panel configurations are allowed.
Panels shown are for illustration and are representative only.

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

PRODUCT:
BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:
ELEVATIONS

DATE: 10/02/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21135.9

SHEET 4 OF 11

7/2/26 UPDATE TO 9TH ED. (2026) FBC LFS

8/21/23 UPDATE TO 8TH ED. (2023) FBC LFS

7/16/20 UPDATE TO 7th ED (2020) FBC PO

10/08/18 REV. DOOR PANEL OPTION NOTE MT

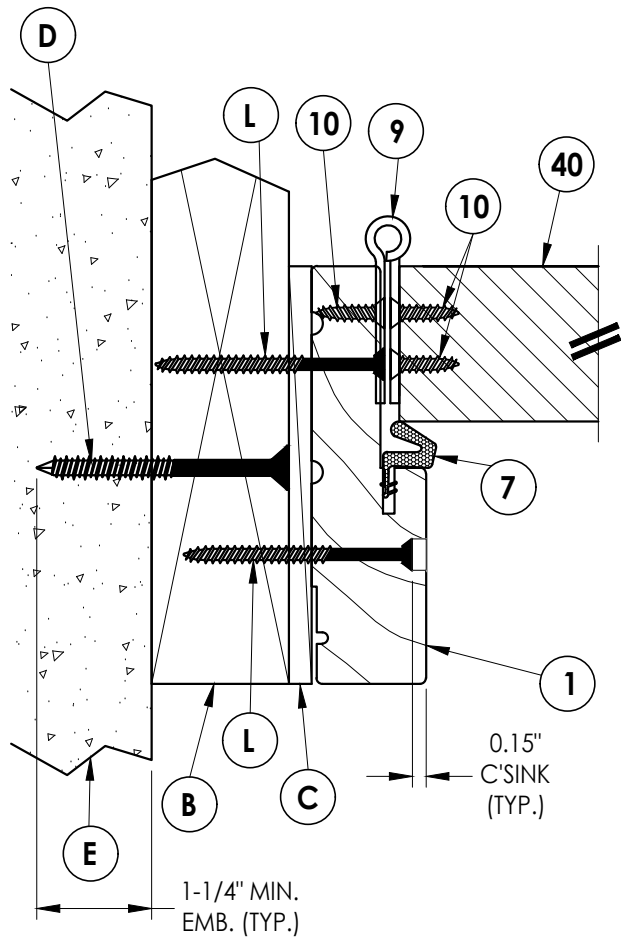
12/12/17 RECESSED PANEL NOTATION JK

NO. DATE

REVISIONS

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

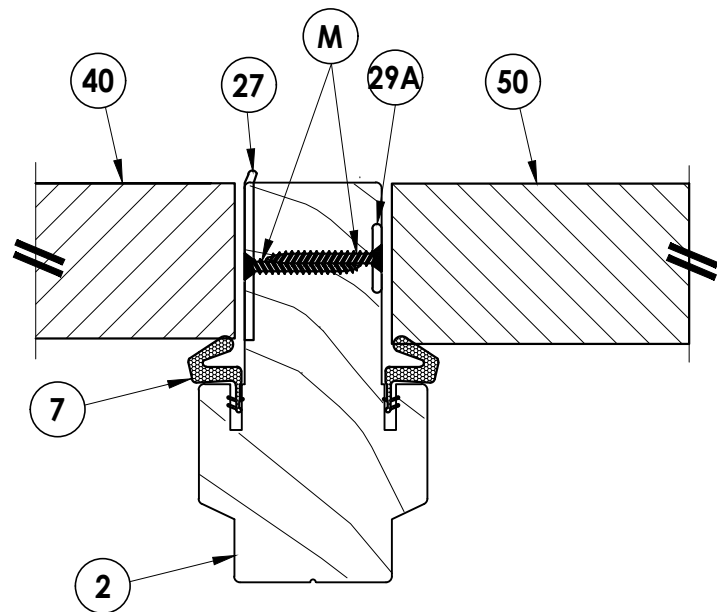
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1
5 HORIZONTAL CROSS SECTION

INTERIOR

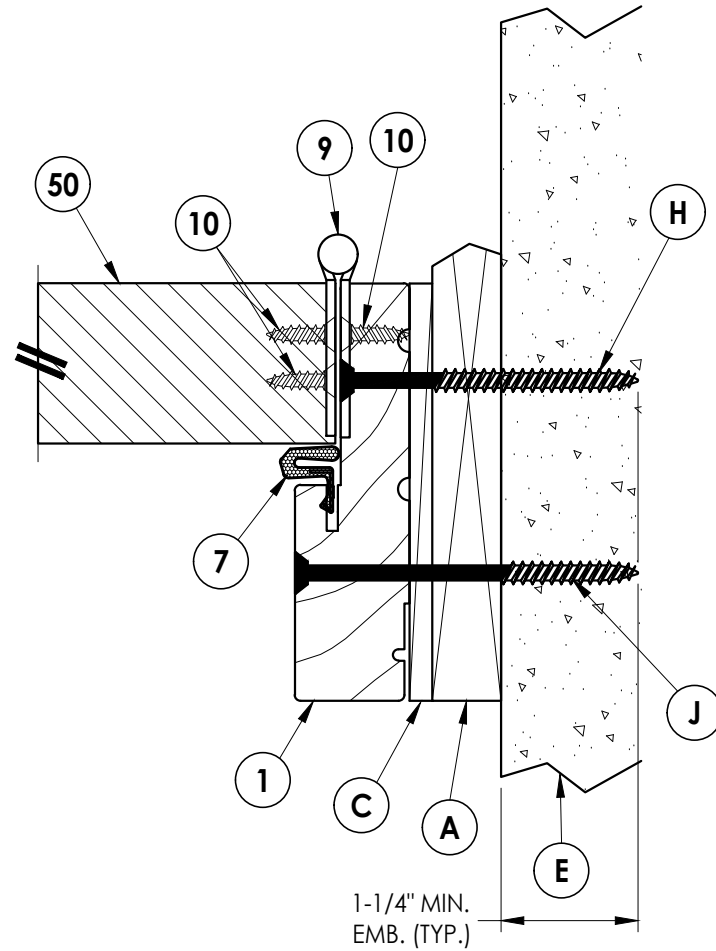
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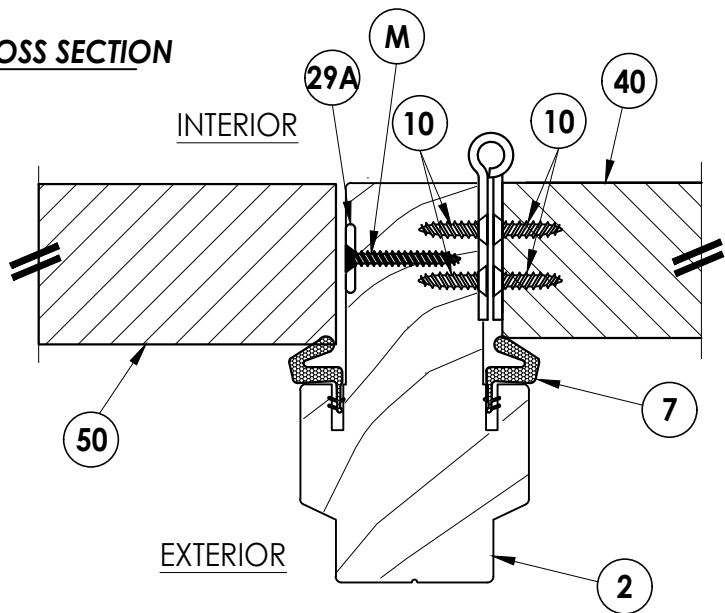
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5 HORIZONTAL CROSS SECTION

INTERIOR

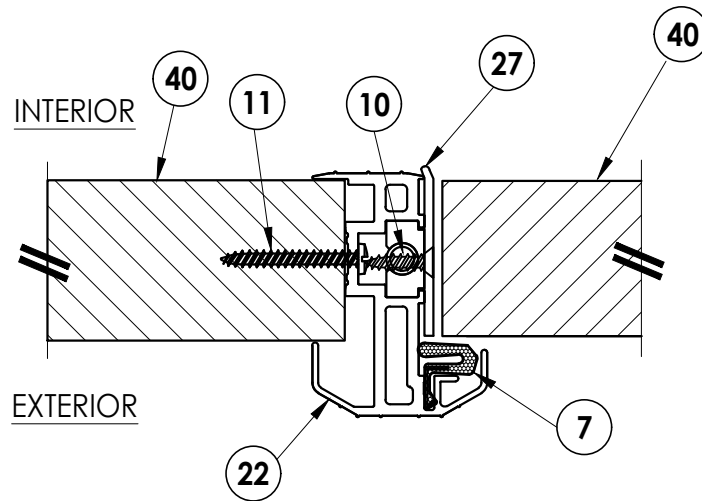
EXTERIOR



3
5 HORIZONTAL CROSS SECTION
Shown w/ 1X Buck



4
5 HORIZONTAL CROSS SECTION



5
5 HORIZONTAL CROSS SECTION

Documents Prepared By:
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BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/2/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	7/16/20	UPDATE TO 7th ED (2020) FBC PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE MT
1	12/12/17	RECESSED PANEL NOTATION JK

DATE: 10/02/17

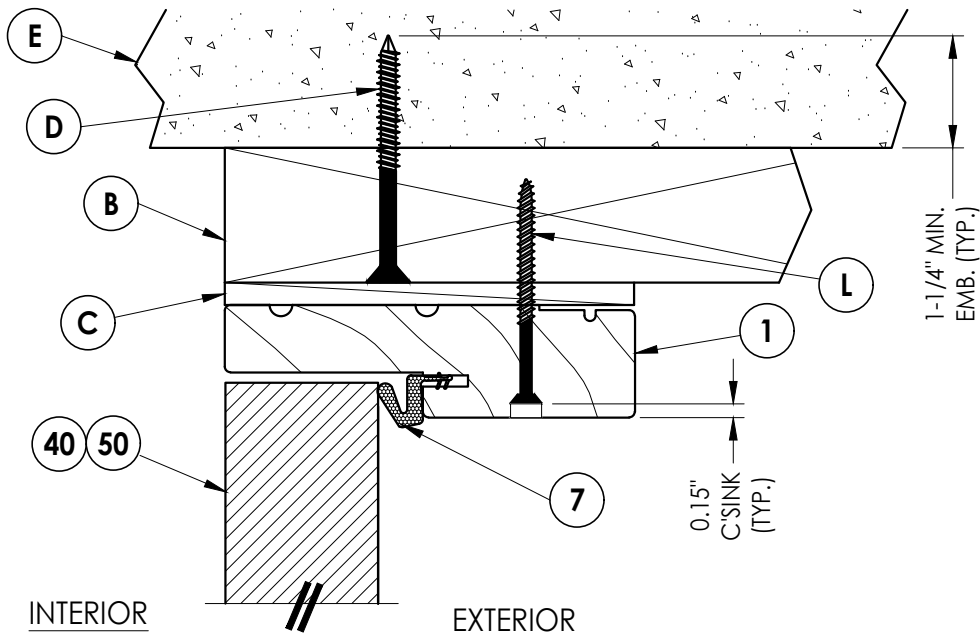
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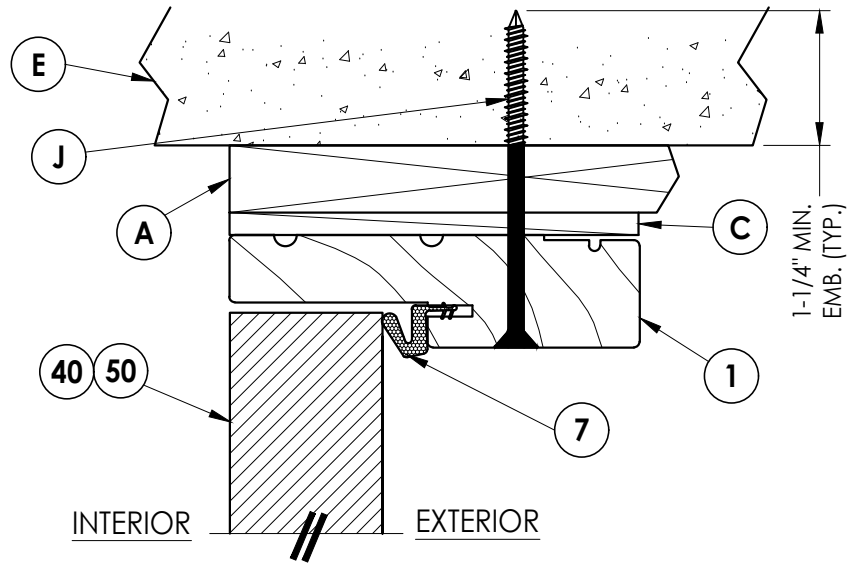
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DRAWING NO.: FL-21135.9

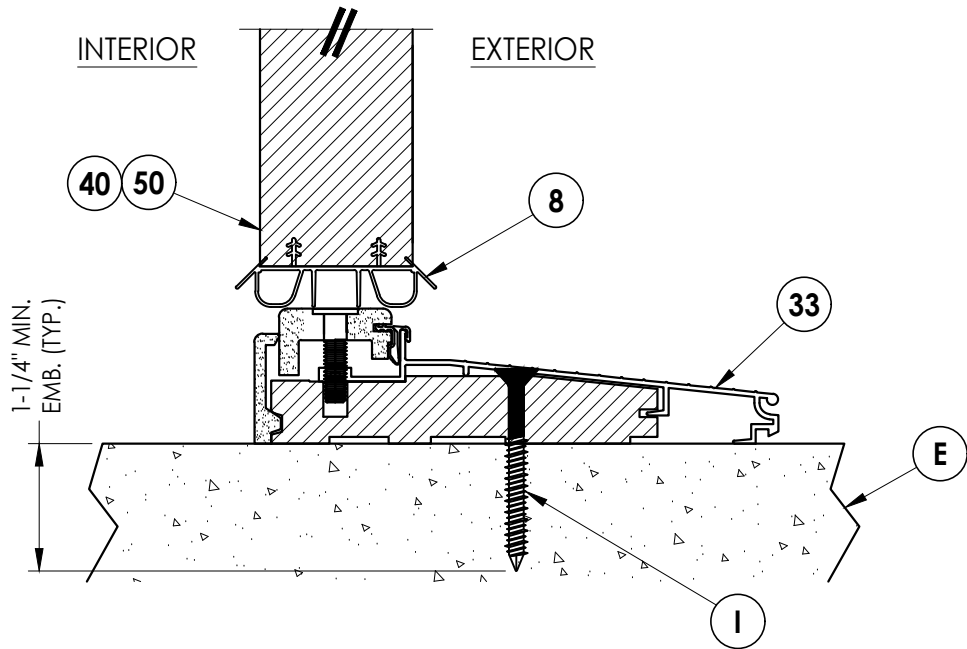
SHEET 5 OF 11



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
5	7/2/26	UPDATE TO 9TH ED. (2026) FBC
4	8/21/23	UPDATE TO 8TH ED. (2023) FBC
3	7/16/20	UPDATE TO 7th ED (2020) FBC
2	10/08/18	REV. DOOR PANEL OPTION NOTE
1	12/12/17	RECESSED PANEL NOTATION
NO.	DATE	BY

DATE: 10/02/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21135.9

SHEET 6 OF 11

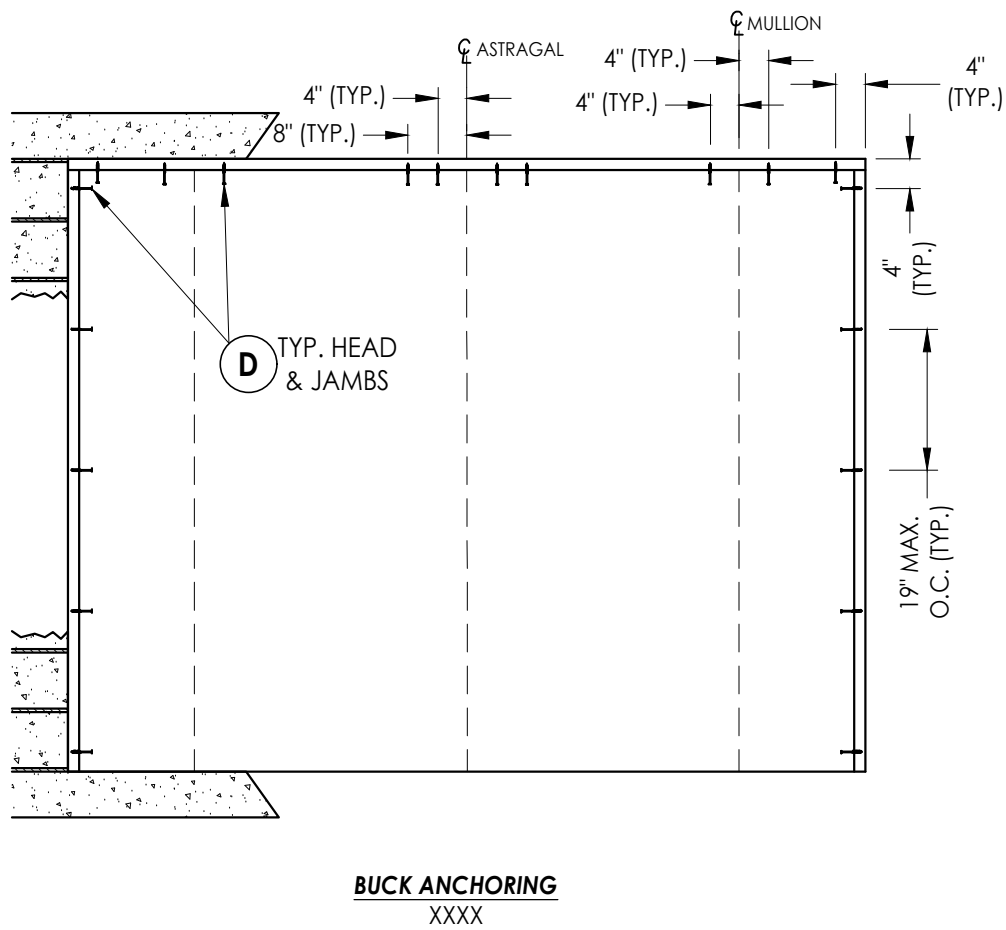
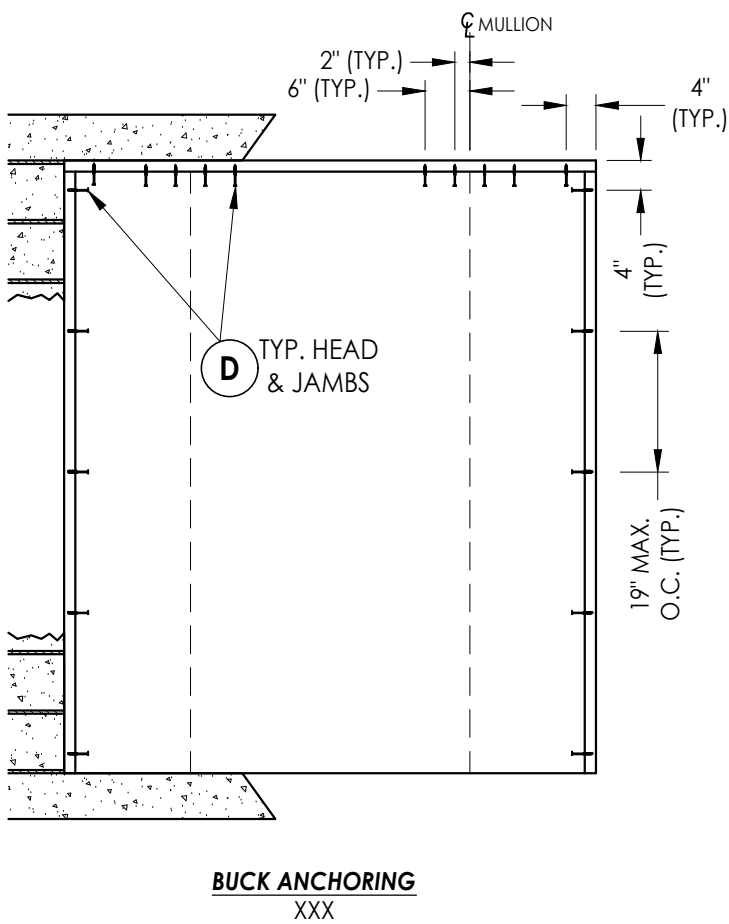
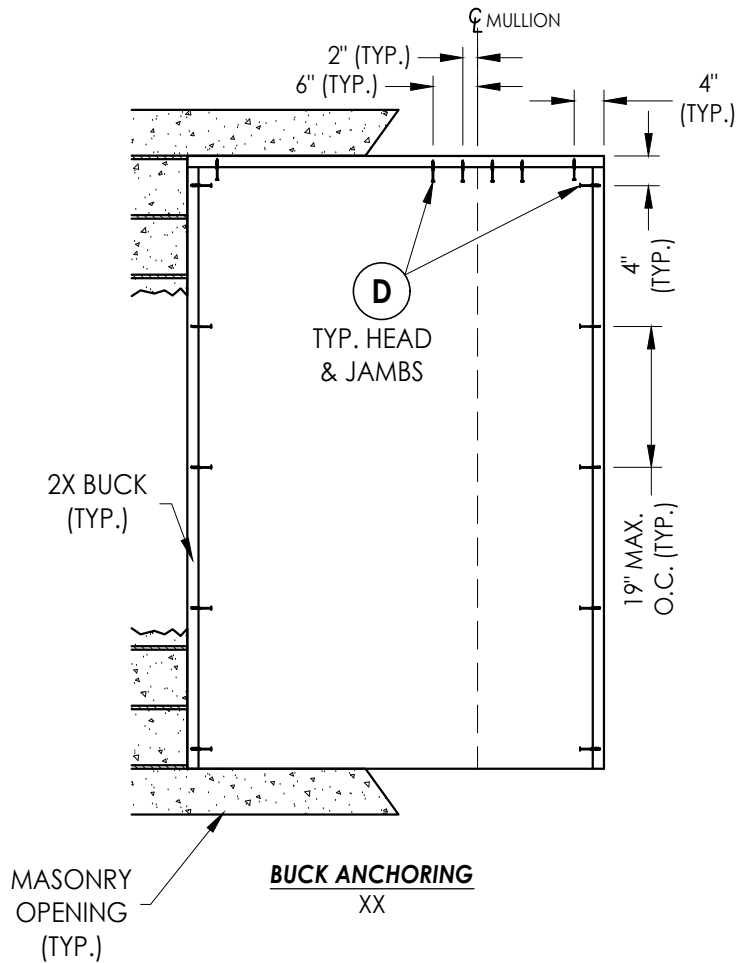
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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:
VERTICAL
CROSS SECTIONS

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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:

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:

BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:

BUCK ANCHORING

NO.	DATE	REVISIONS
5	7/2/26	UPDATE TO 9TH ED. (2026) FBC LFS
4	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	7/16/20	UPDATE TO 7th ED (2020) FBC PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE MT
1	12/12/17	RECESSED PANEL NOTATION JK

DATE: 10/02/17

SCALE: N.T.S.

DWG. BY: JK

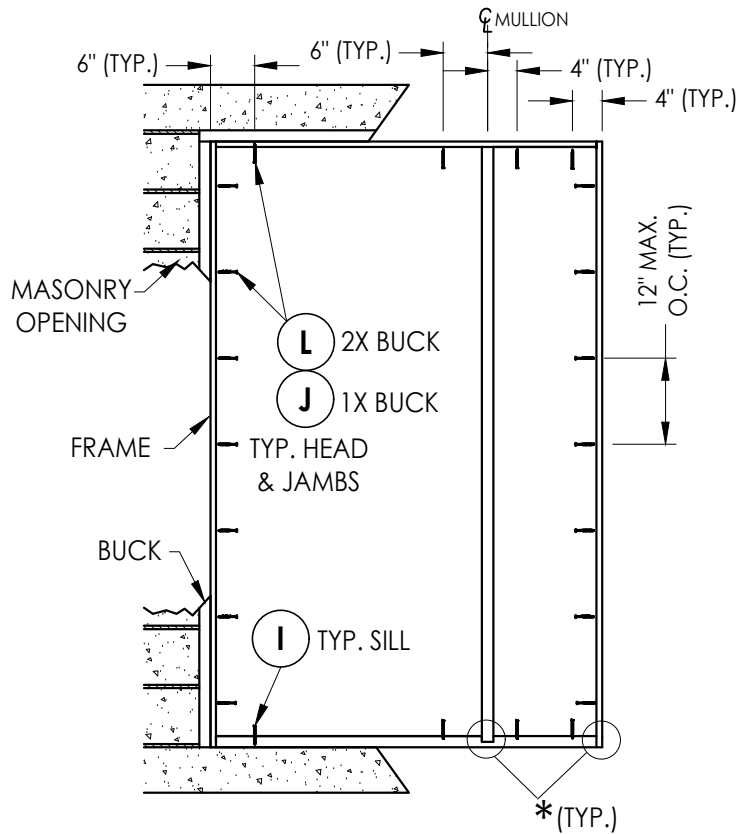
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DRAWING NO.:

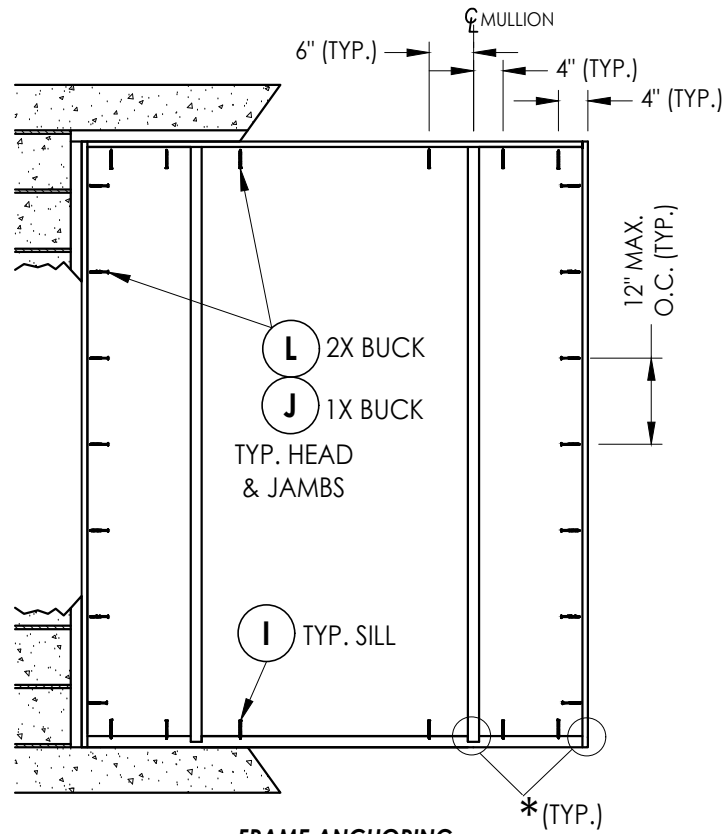
FL-21135.9

SHEET 7 OF 11

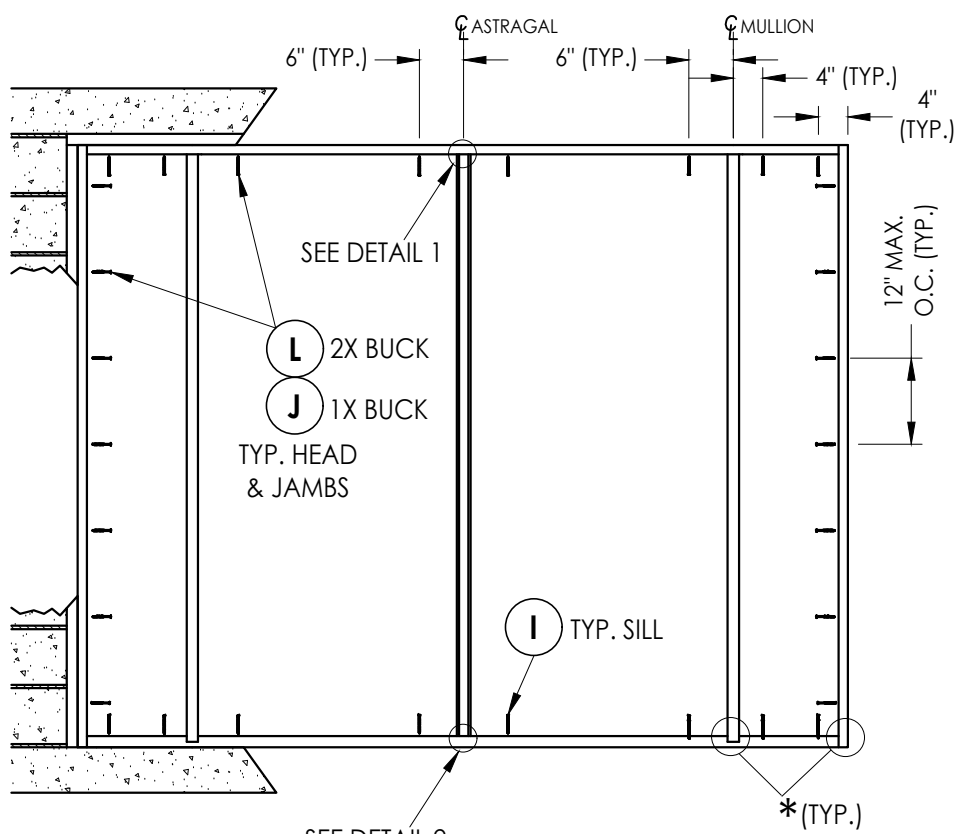
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FRAME ANCHORING
XX



FRAME ANCHORING
XXX



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.

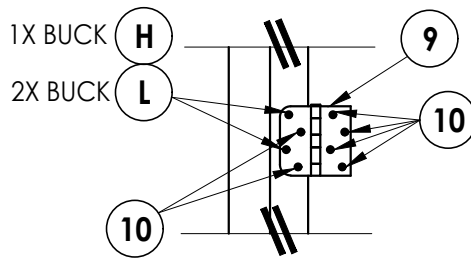
CONCRETE ANCHOR NOTES:

- 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:

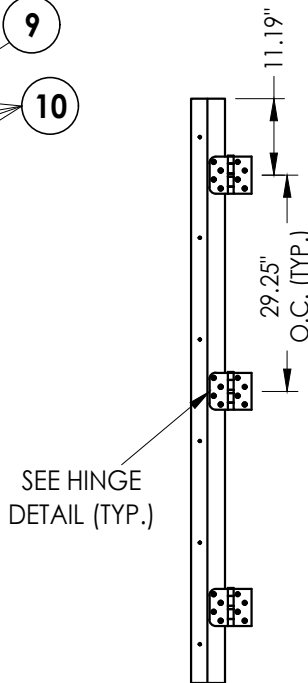
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

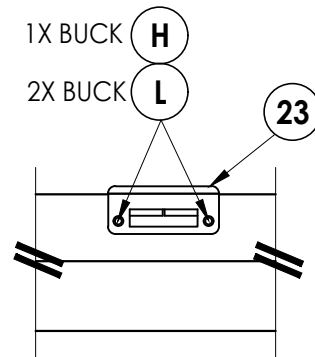
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



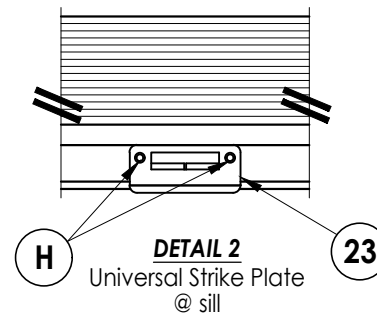
HINGE DETAIL



HINGE JAMB



DETAIL 1
Universal Strike Plate @ head



DETAIL 2
Universal Strike Plate @ sill

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

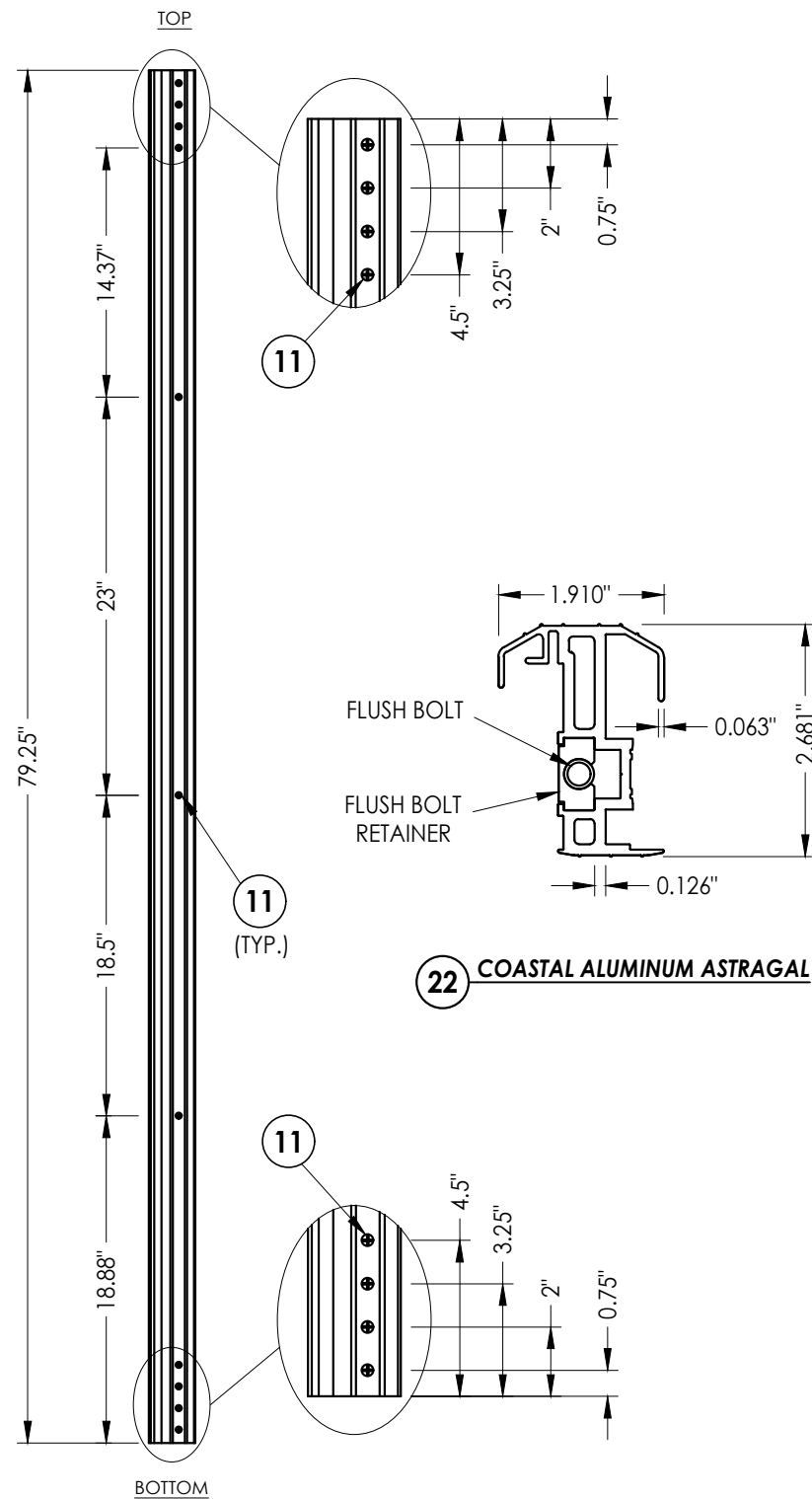
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
BENCHMARK BY THERMA TRU

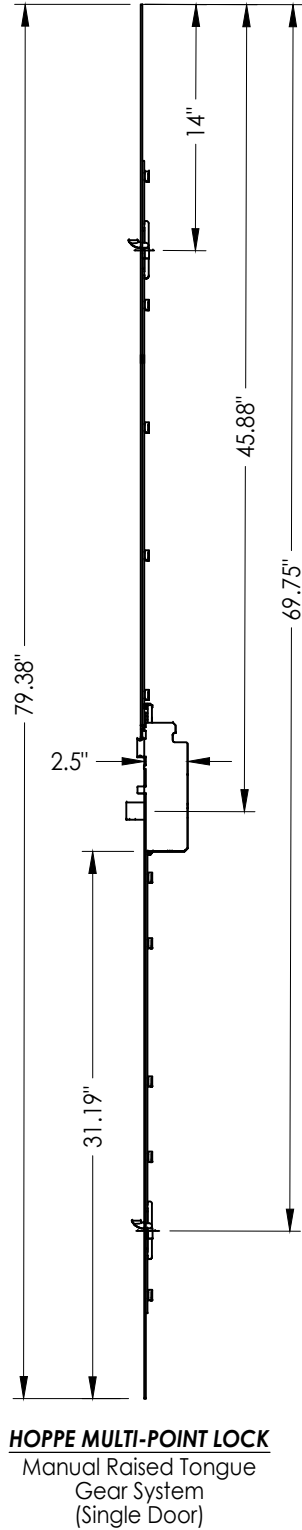
PART OR ASSEMBLY:
FRAME ANCHORING

	LFS	FBC	FBC	FBC	PO	MT	JK	BY
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4	8/21/23	UPDATE TO 8TH ED. (2023)	UPDATE TO 7th ED (2020)	REV. DOOR PANEL OPTION NOTE	RECESSED PANEL NOTATION	NO.	DATE	REVISIONS
3	7/16/20	UPDATE TO 7th ED (2020)	UPDATE TO 6th ED (2017)	REV. DOOR PANEL OPTION NOTE	RECESSED PANEL NOTATION	NO.	DATE	REVISIONS
2	10/08/18	REV. DOOR PANEL OPTION NOTE	REV. DOOR PANEL OPTION NOTE	REV. DOOR PANEL OPTION NOTE	REV. DOOR PANEL OPTION NOTE	REV. DOOR PANEL OPTION NOTE	REV. DOOR PANEL OPTION NOTE	REVISIONS
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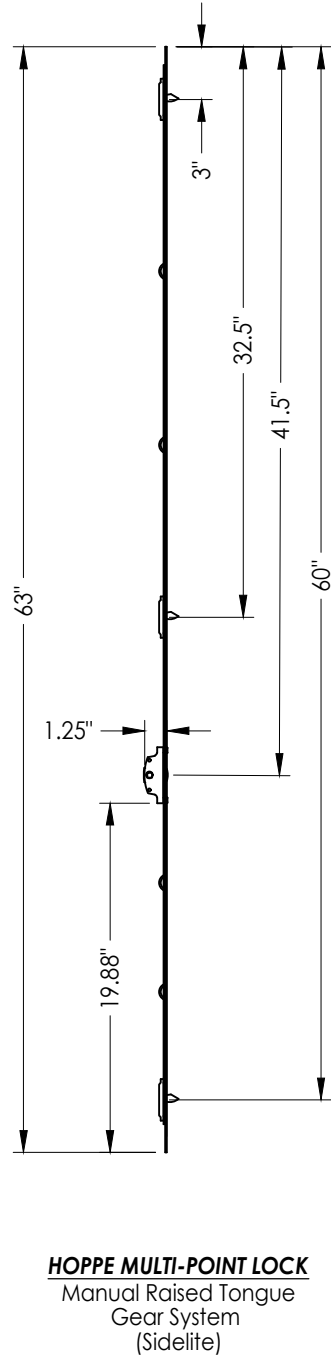
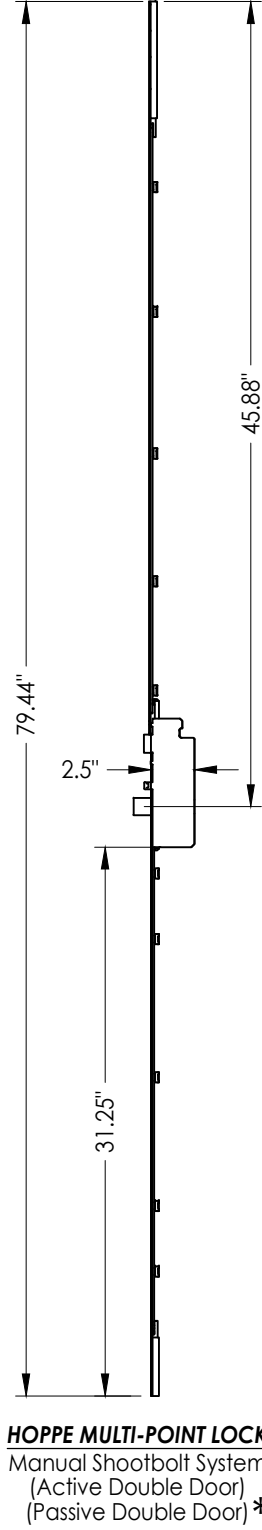
DATE: 10/02/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21135.9
SHEET 8 OF 11



ASTRAGAL DETAILS



HOPPE MULTI-POINT LOCK SYSTEMS



HOPPE MULTI-POINT LOCK

Manual Raised Tongue Gear System (Sidelite)

* 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.

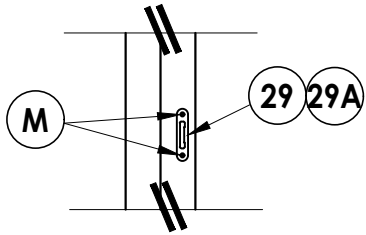
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	4	7/16/20	UPDATE TO 7th ED.	(2020) FBC
	3	10/08/18	REV. DOOR PANEL OPTION	NOTE
	2	12/12/17	RECESSED PANEL NOTATION	
	1			
No.	Date			Revisions
DATE: 10/02/17				
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-21135.9				
SHEET <u>9</u> OF <u>11</u>				

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

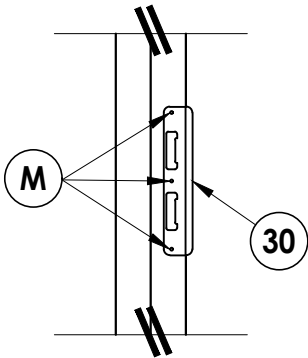
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

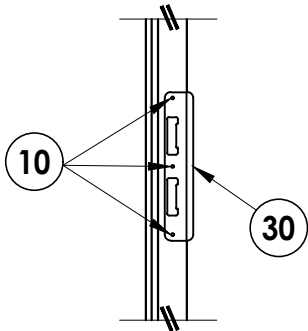
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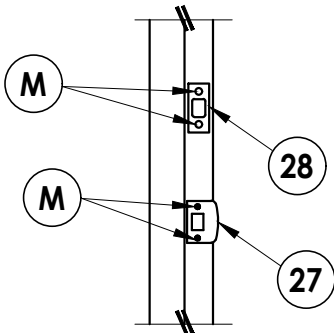
TONGUE STRIKE DETAIL
Single Door/Sidelite



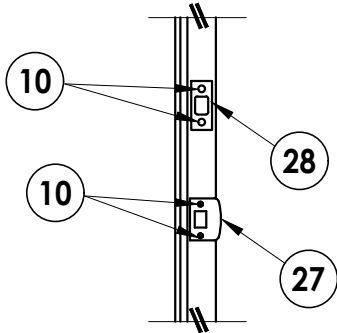
LATCH & DEADBOLT DETAIL
Single Door



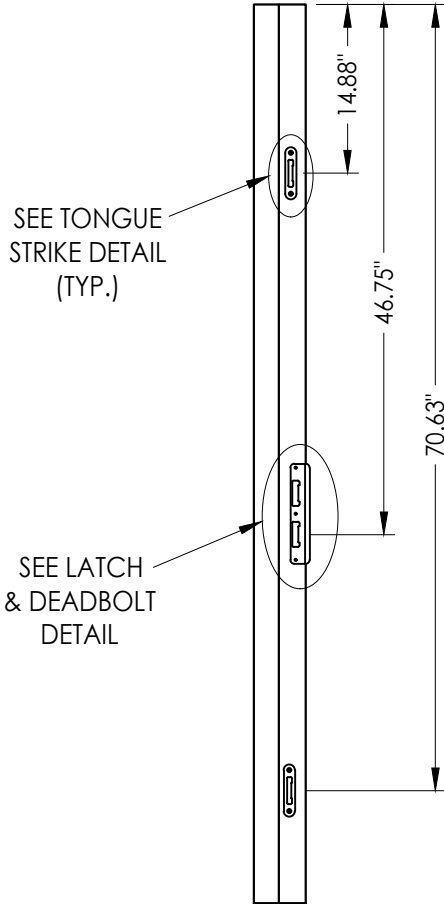
LATCH & DEADBOLT DETAIL
Double Door



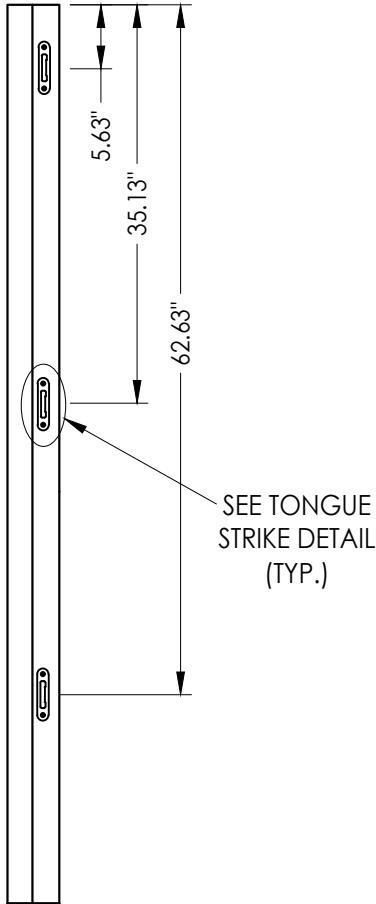
LATCH & DEADBOLT DETAIL
Single Door



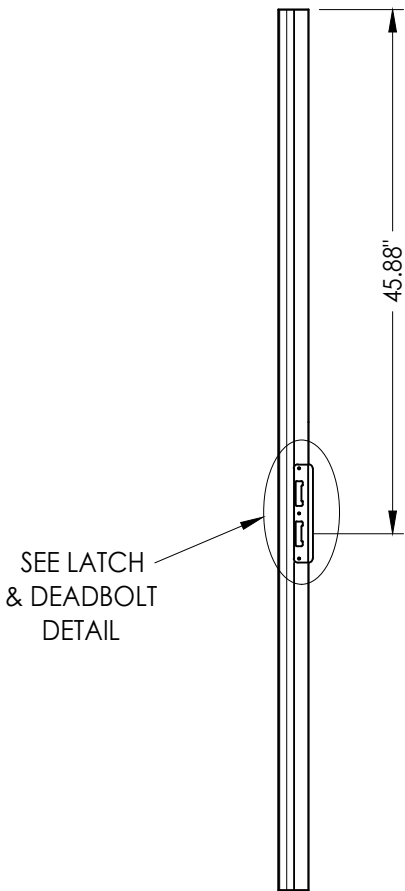
LATCH & DEADBOLT DETAIL
Double Door



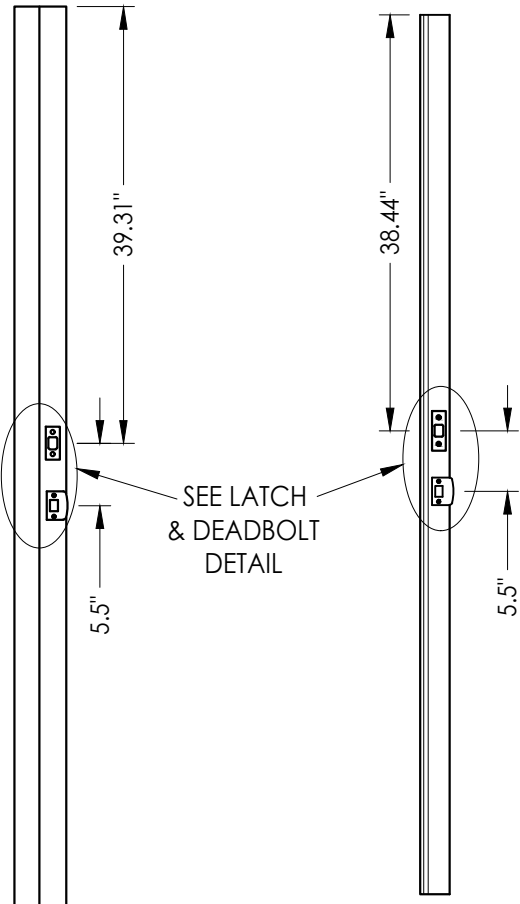
STRIKE JAMB / MULLION
Single Door



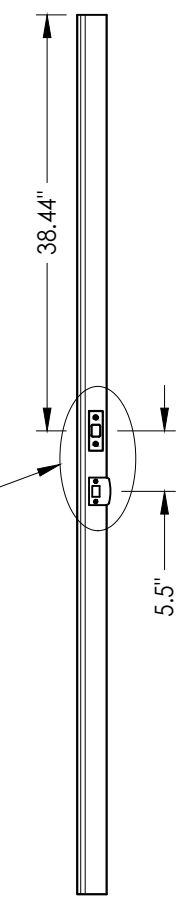
STRIKE MULLION
Sidelite



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
5	7/2/26	UPDATE TO 9TH ED. (2026) FBC
4	8/21/23	UPDATE TO 8TH ED. (2023) FBC
3	7/16/20	UPDATE TO 7th ED (2020) FBC
2	10/08/18	REV. DOOR PANEL OPTION NOTE
1	12/12/17	RECESSED PANEL NOTATION

DATE: 10/02/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-21135.9

SHEET 10 OF 11

PRODUCT:

BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:

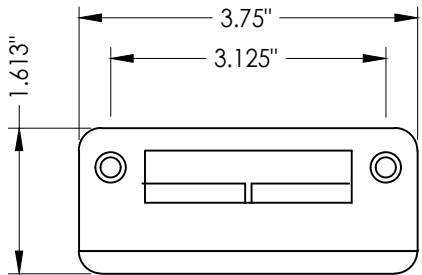
HARDWARE STRIKE DETAILS

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

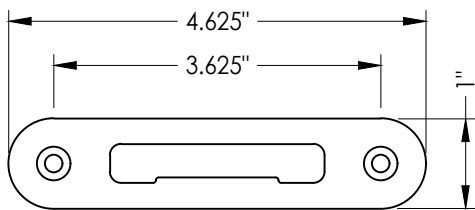
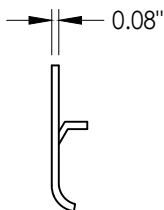
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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	-

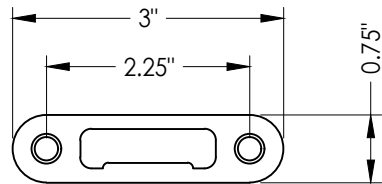
CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.



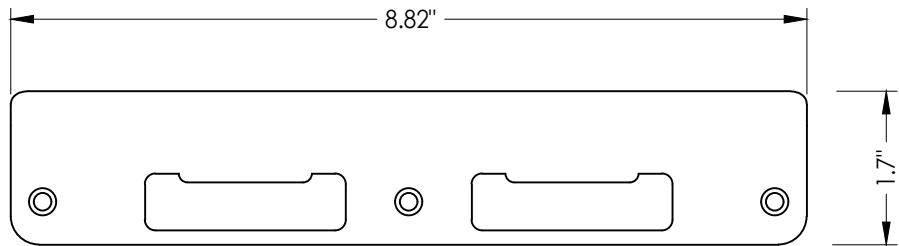
23 UNIVERSAL STRIKE PLATE
Head & Sill



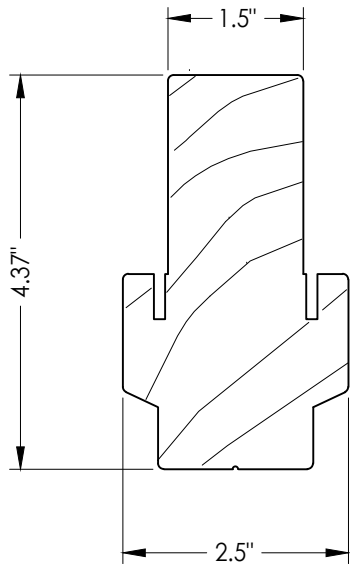
29 TONGUE STRIKE PLATE
Door Tongue system



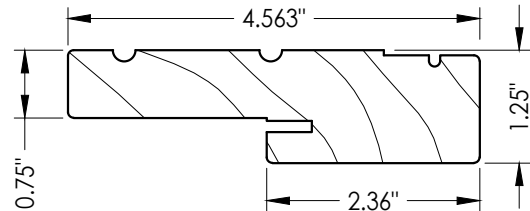
29A TONGUE STRIKE PLATE
Sidelite Tongue system



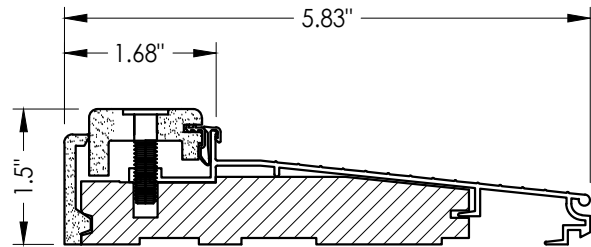
30 LATCH & DEADBOLT STRIKE PLATE
Tongue & Shootbolt system



2 INTEGRAL MULLION



1 HEAD & JAMB



33 INSWING THRESHOLD

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

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PRODUCT:
BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:
BILL OF MATERIAL &
COMPONENTS

NO.	DATE	REVISIONS			
		DATE	BY	MT	PO
5	7/2/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	LFS
4	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	LFS
3	7/16/20	UPDATE TO 7TH ED (2020)	FBC	PO	PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE	MT	MT	MT
1	12/12/17	RECESSED PANEL NOTATION	JK	JK	JK

DATE: 10/02/17

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DWG. BY: JK

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DRAWING NO.:

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SHEET 11 OF 11