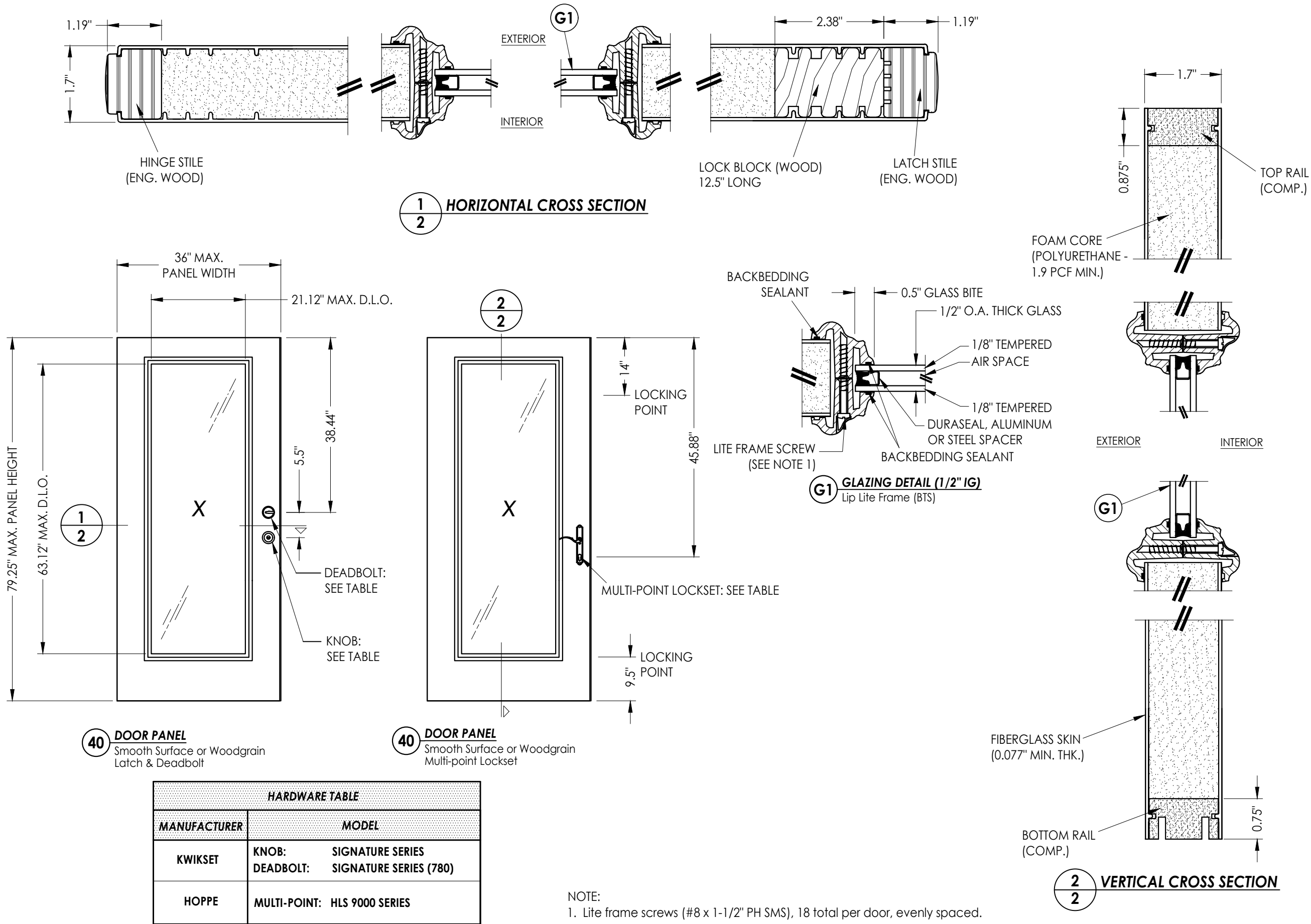


Z:\2023 FBC Drawings\Therma-Tru\FL-21135 R6\FL-21135.9.dwg



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

RW

DOOR PANEL DETAILS
& GLAZING DETAILS

PRODUCT:
BENCHMARK BY THERMA TRU

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	JK	
1	12/12/17	RECESSED PANEL NOTATION	JK	BY	
NO.	DATE				

REVISIONS

DATE: 10/02/17

SCALE: N.T.S.

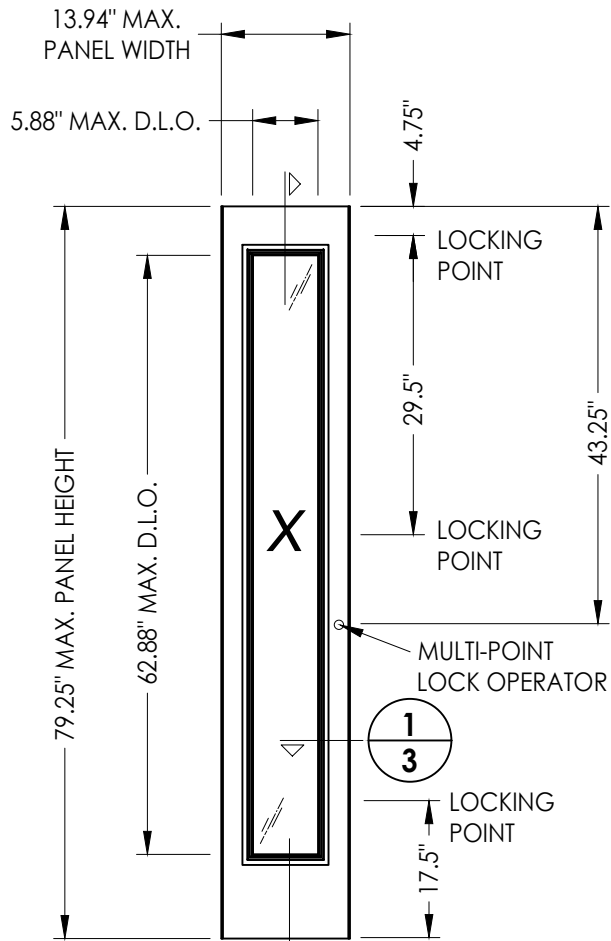
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21135.9

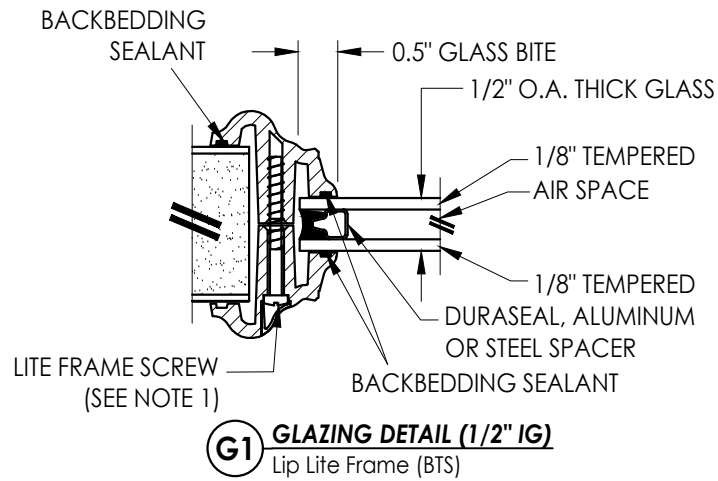
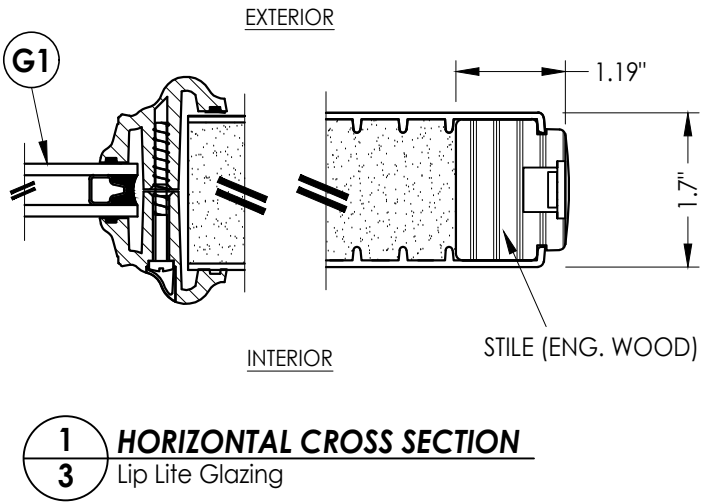
SHEET 2 OF 11

Z:\2023 FBC Drawings\Therma-Tru\FL-21135 R6\FL-21135.9.dwg

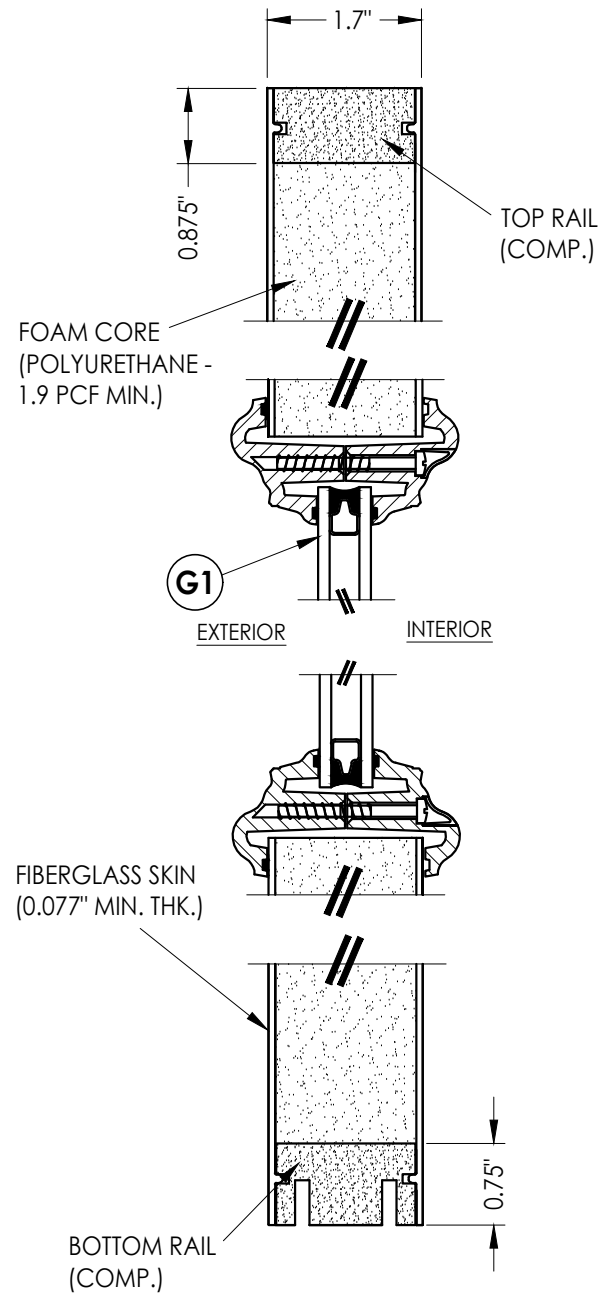


50 SIDELITE PANEL
Smooth Surface or Woodgrain Vented

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:
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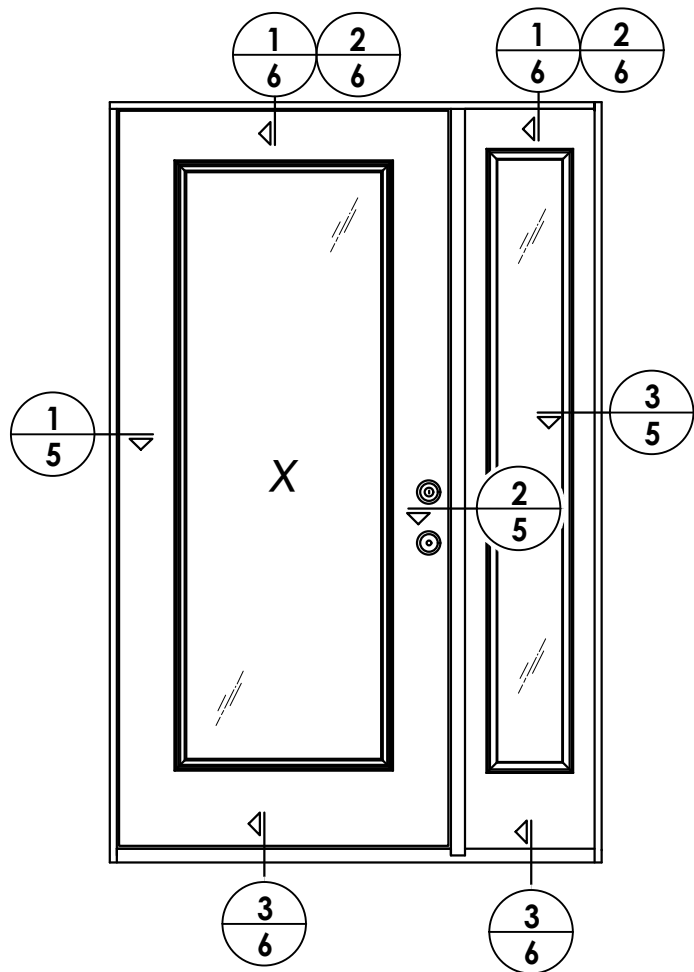
PRODUCT:
BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS
& GLAZING DETAILS

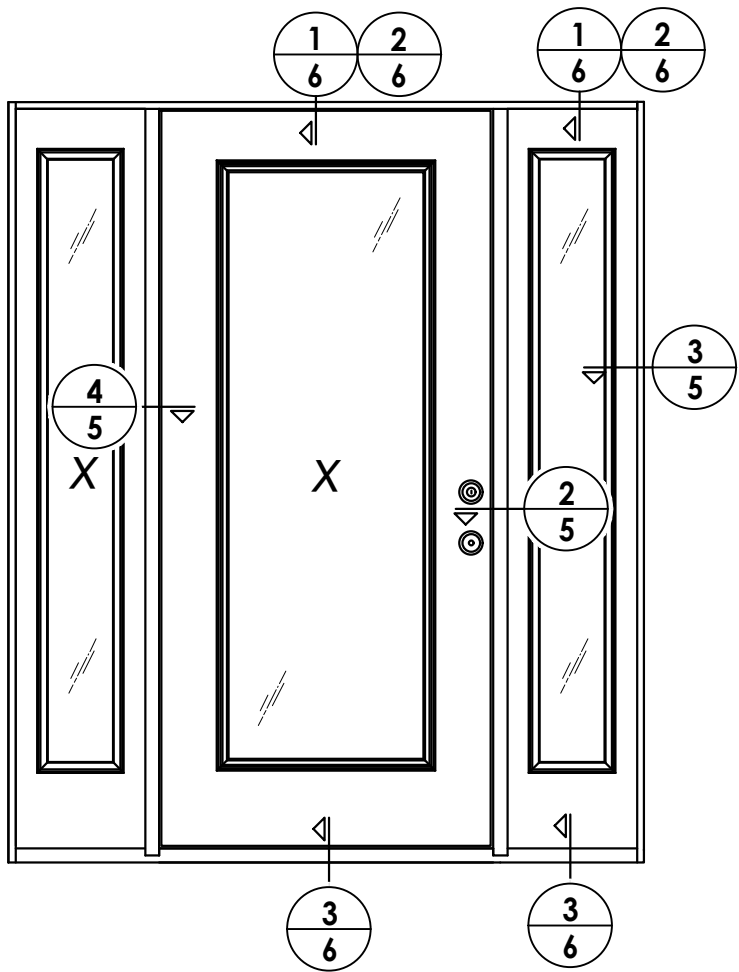
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3	7/16/20	UPDATE TO 7th ED (2020) FBC PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE MT
1	12/12/17	RECESSED PANEL NOTATION JK

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

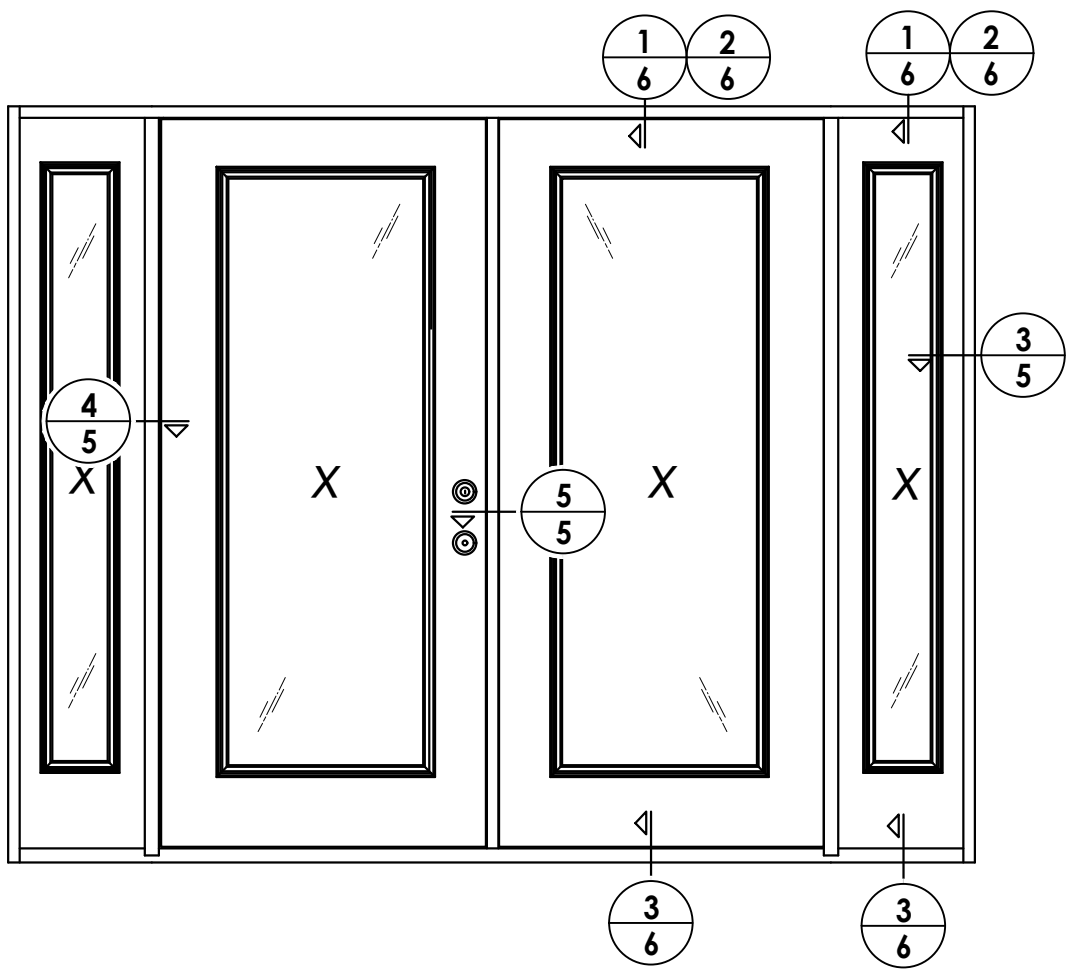
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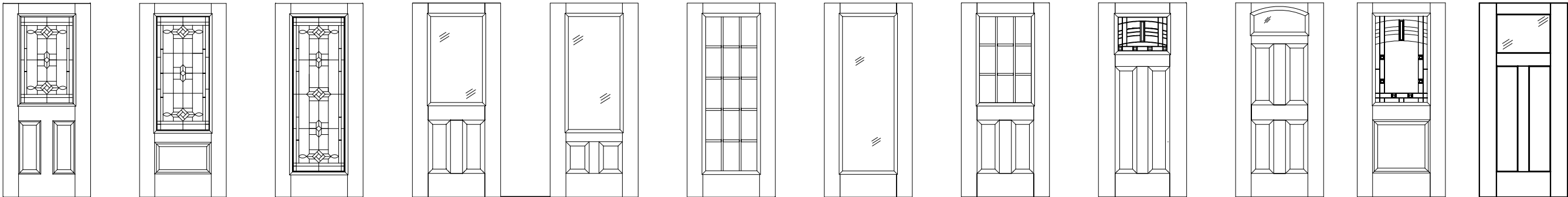
ELEVATION
XX



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

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

JK

1

12/12/17

RECESSED PANEL NOTATION

JK

BY

NO.

DATE

REVISIONS

DATE: 10/02/17

SCALE: N.T.S.

DWG. BY: JK

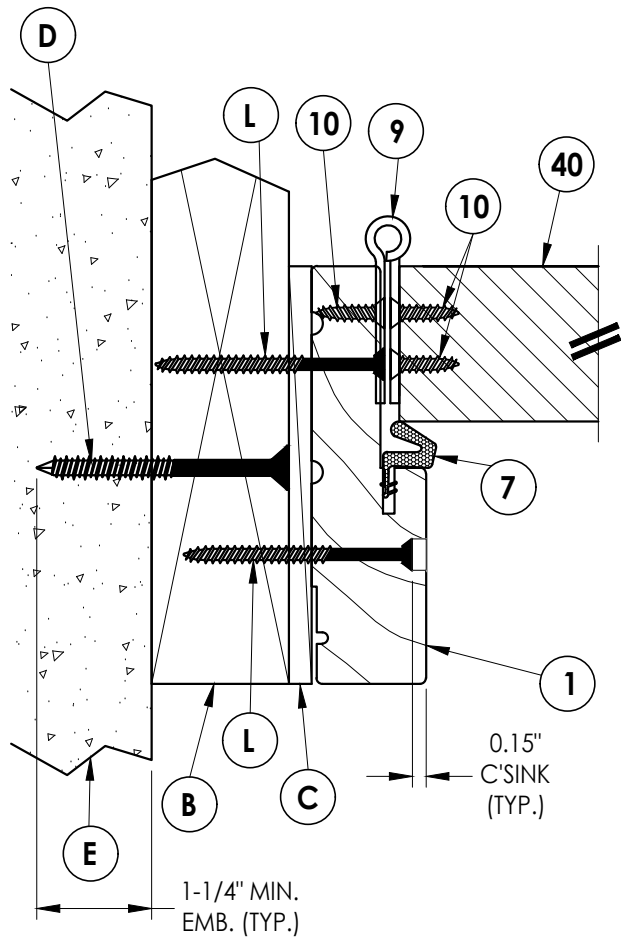
CHK. BY: LFS

DRAWING NO.: FL-21135.9

SHEET 4 OF 11

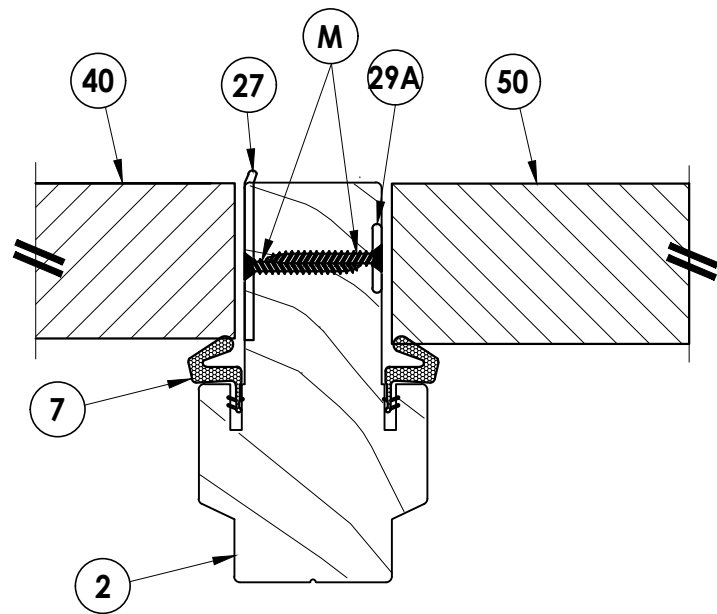
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 FBC Drawings\Therma-Tru\FL-21135 R6\FL-21135.9.dwg



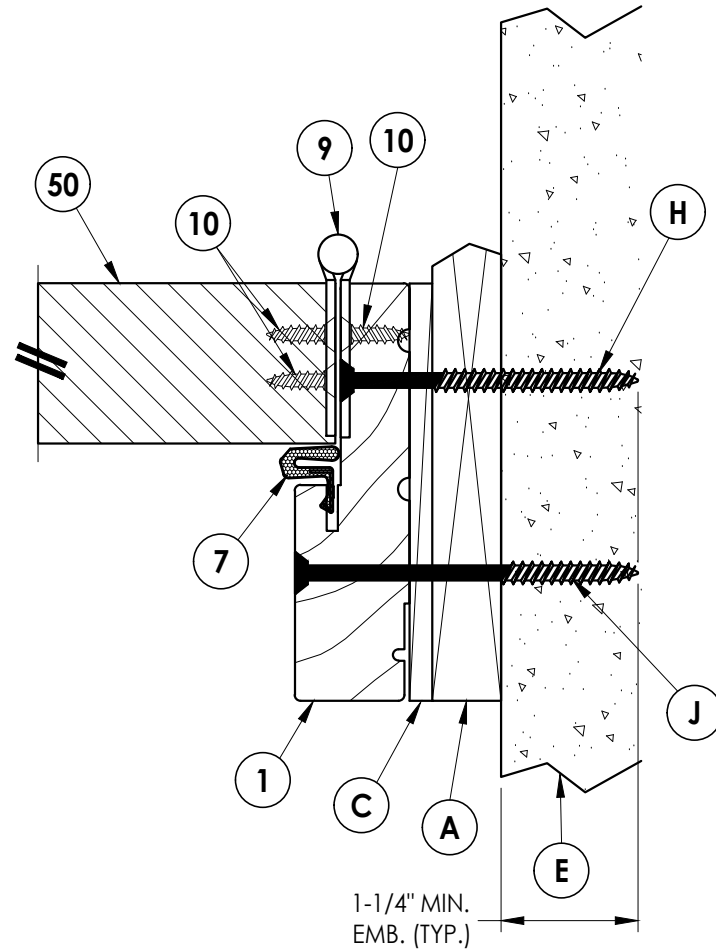
1
5 HORIZONTAL CROSS SECTION

INTERIOR
EXTERIOR

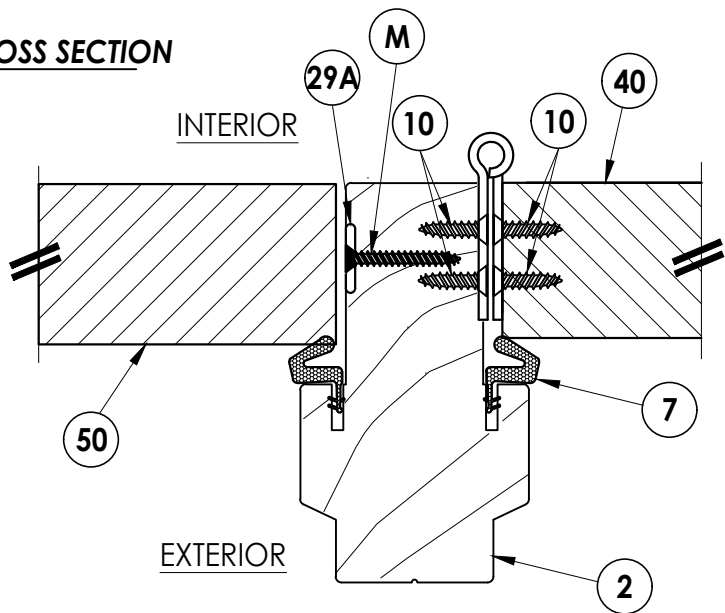


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5 HORIZONTAL CROSS SECTION

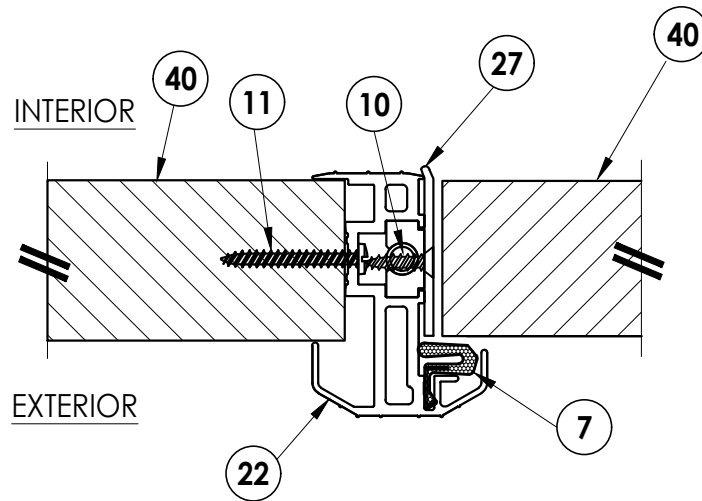
INTERIOR
EXTERIOR



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

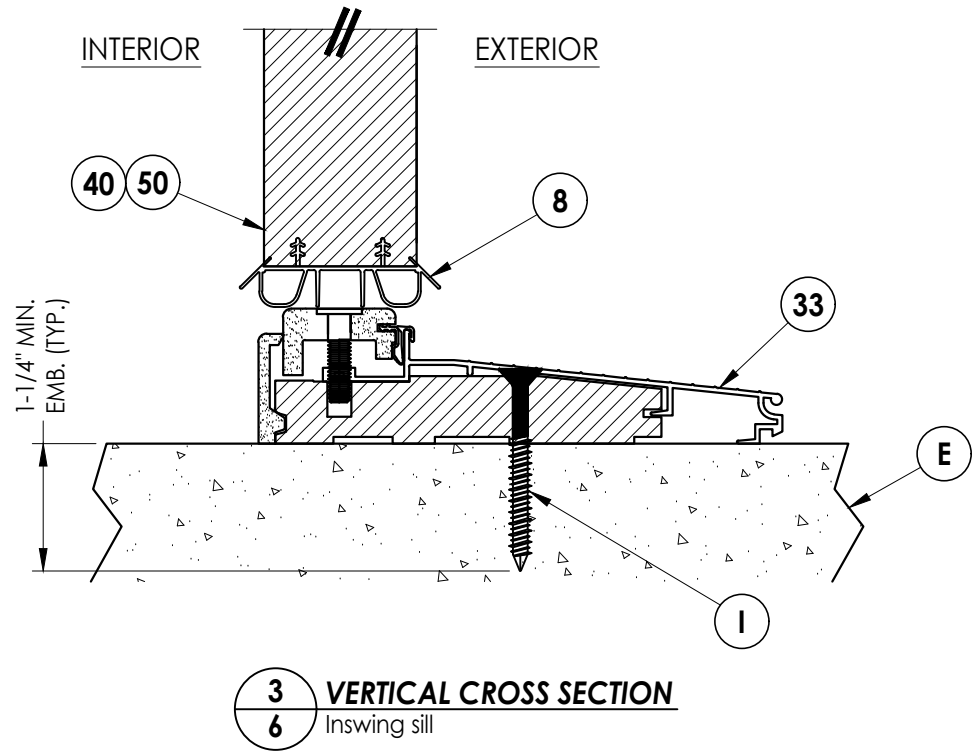
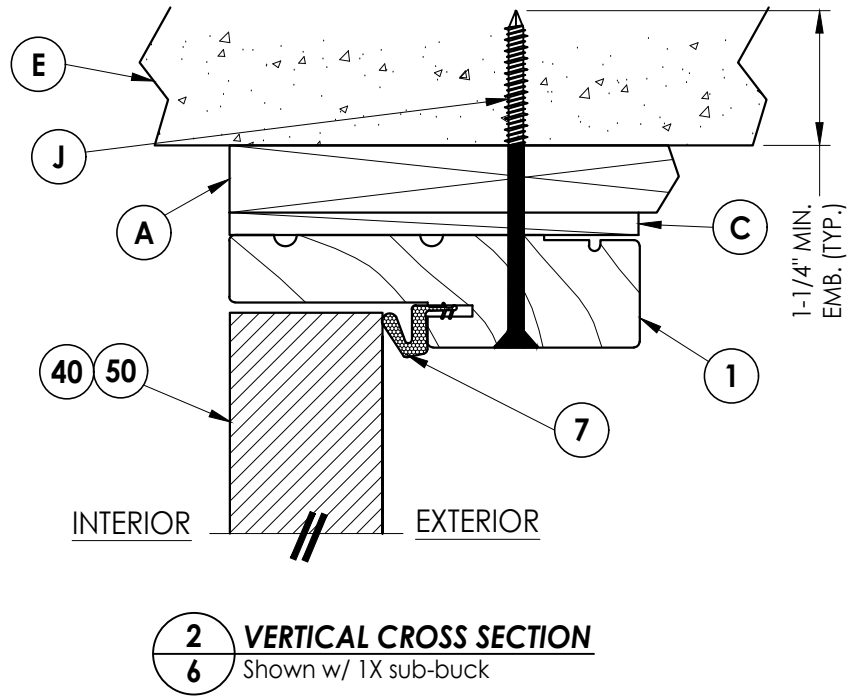
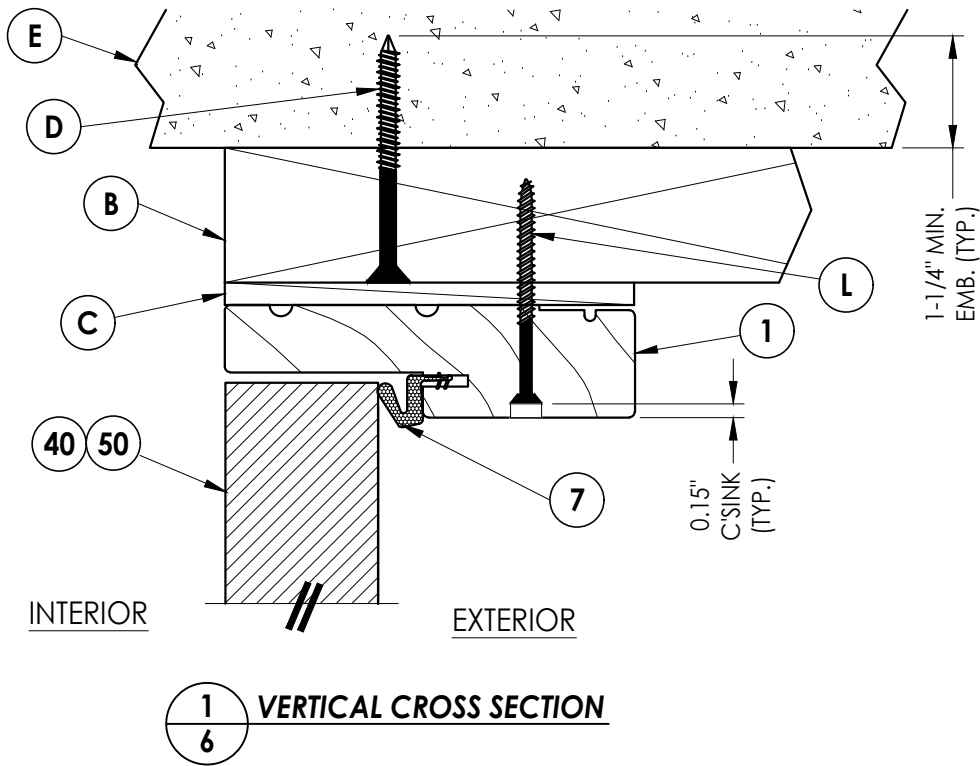
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
BENCHMARK BY THERMA TRU

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

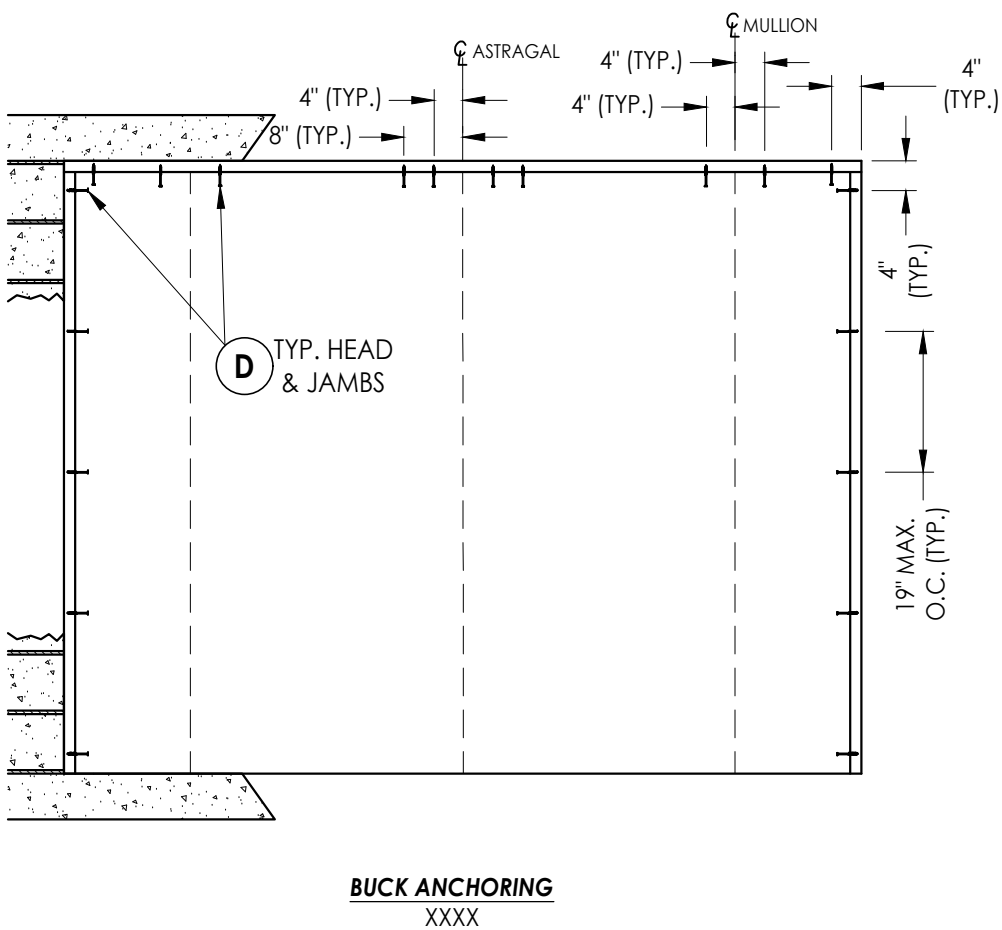
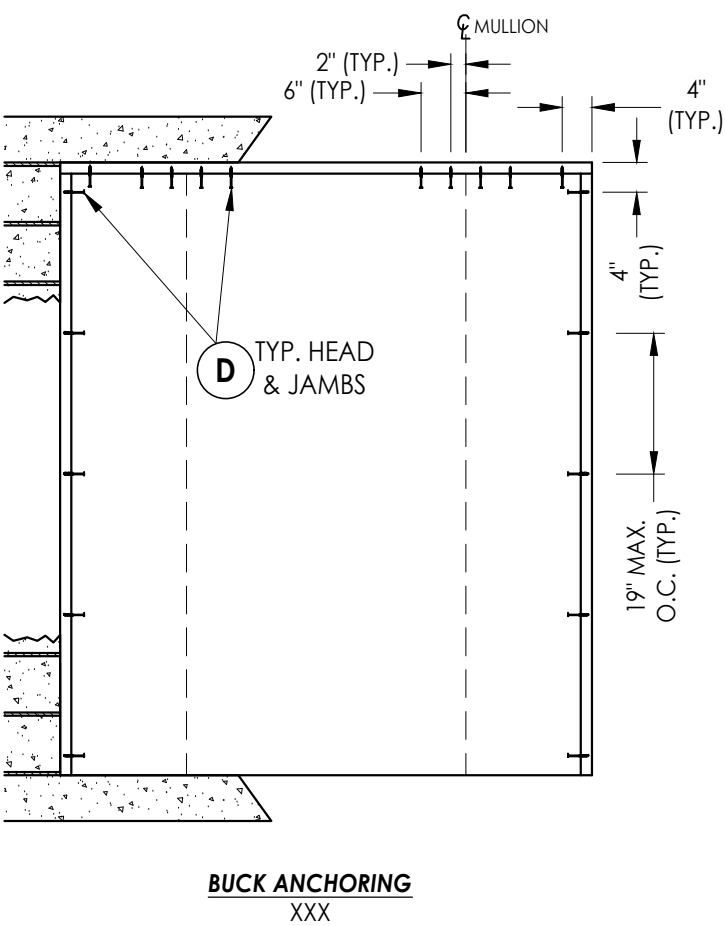
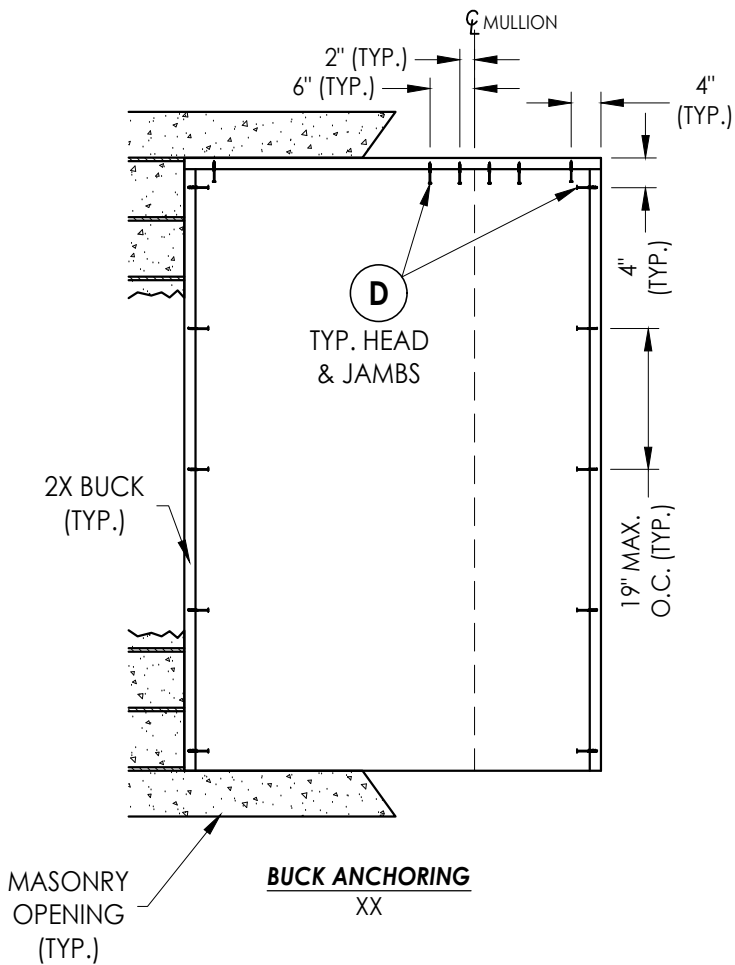
NO.	DATE	REVISIONS
4	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	7/16/20	UPDATE TO 7th ED (2020) FBC PO
2	10/08/18	REV. DOOR PANEL OPTION NOTE MT
1	12/12/17	RECESSED PANEL NOTATION JK

DATE:	10/02/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21135.9
SHEET	5 OF 11



PRODUCT:		BENCHMARK BY THERMA TRU		PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
DOCUMENTS PREPARED BY:		Lyndon F. Schmidt		BUILDING CONSULTANTS, INC.		P.O. Box 230, Valrico, FL 33595	
P.E. No. 43409		R ^W		Phone No.: 813.659.9197		FBPE Registry No. 9813	
DATE:		10/02/17		SCALE:		N.T.S.	
DWG. BY:		JK		CHK. BY:		LFS	
DRAWING NO.:		FL-21135.9		SHEET		6 OF 11	
NO.		DATE		BY		REVISIONS	
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 JK	
1		12/12/17		RECESSED PANEL NOTATION		JK	

Z:\2023 FBC Drawings\Therma-Tru\FL-21135 R6\FL-21135.9.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

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
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.

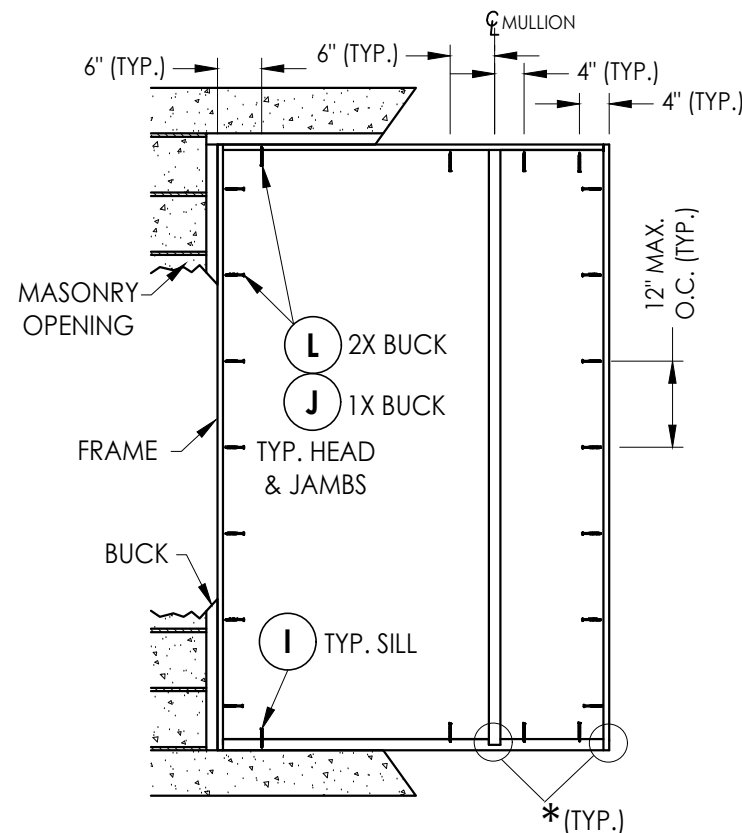
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CHK. BY: LFS

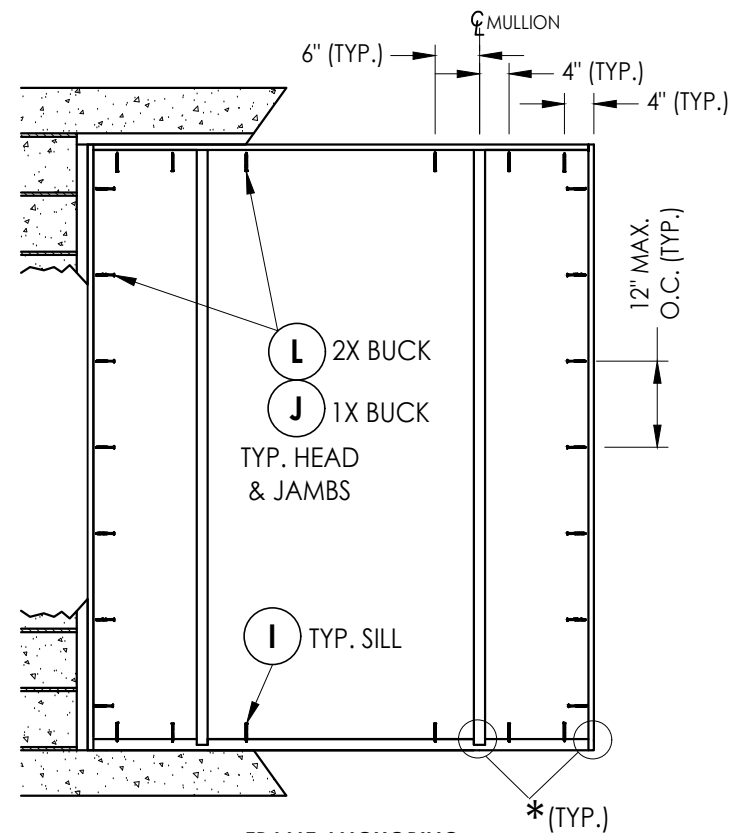
DRAWING NO.:

FL-21135.9

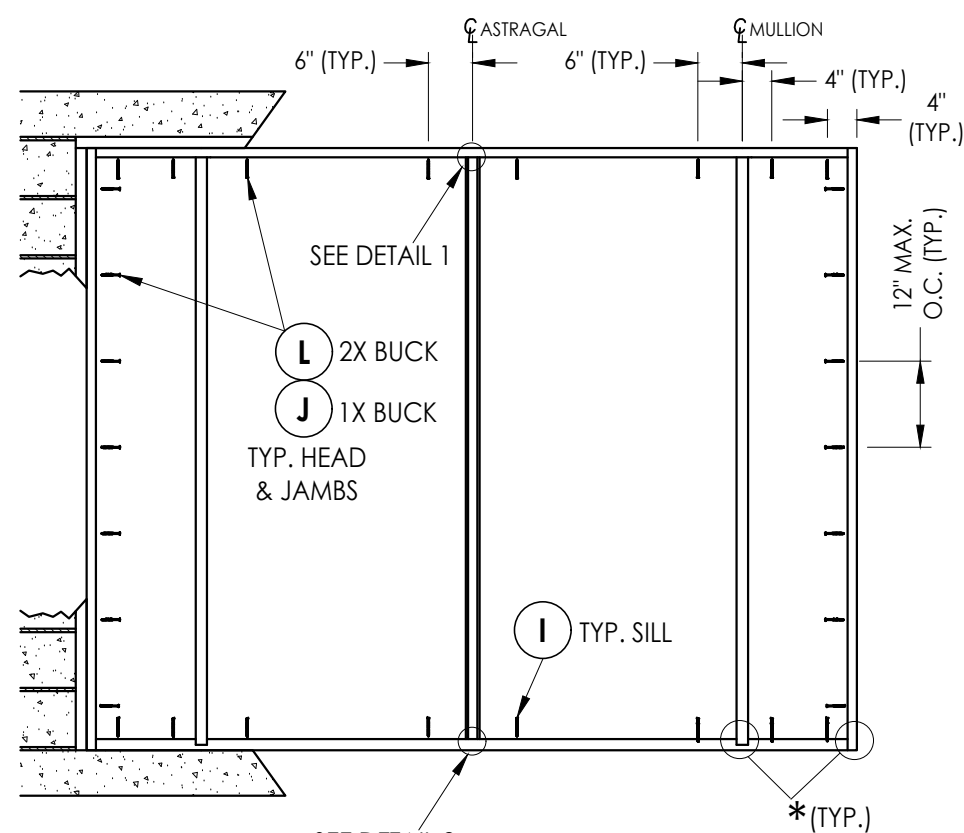
SHEET 7 OF 11



FRAME ANCHORING
XX



FRAME ANCHORING
XXX



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.

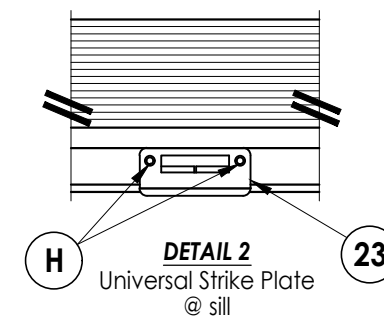
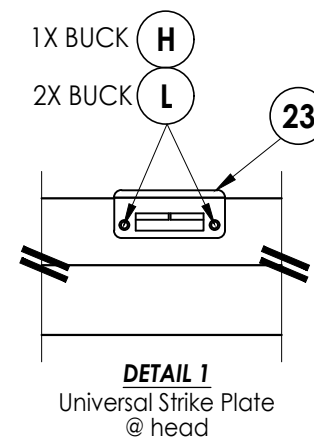
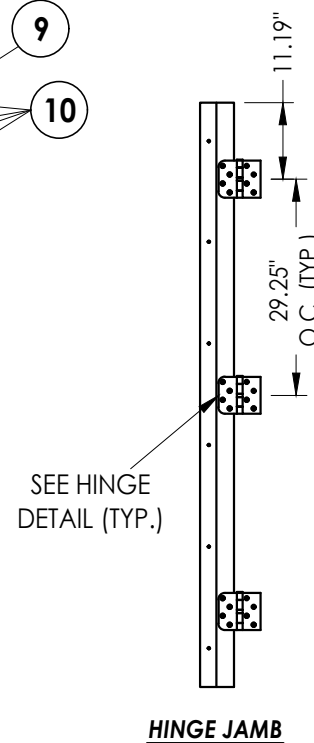
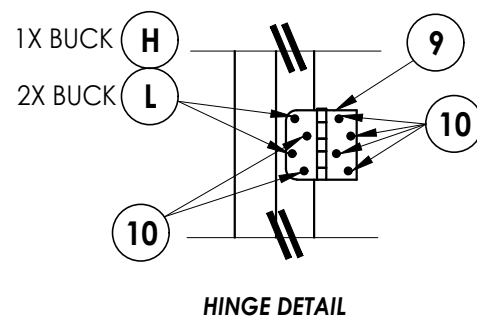
CONCRETE ANCHOR NOTES:

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:
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P.E. No. 43409

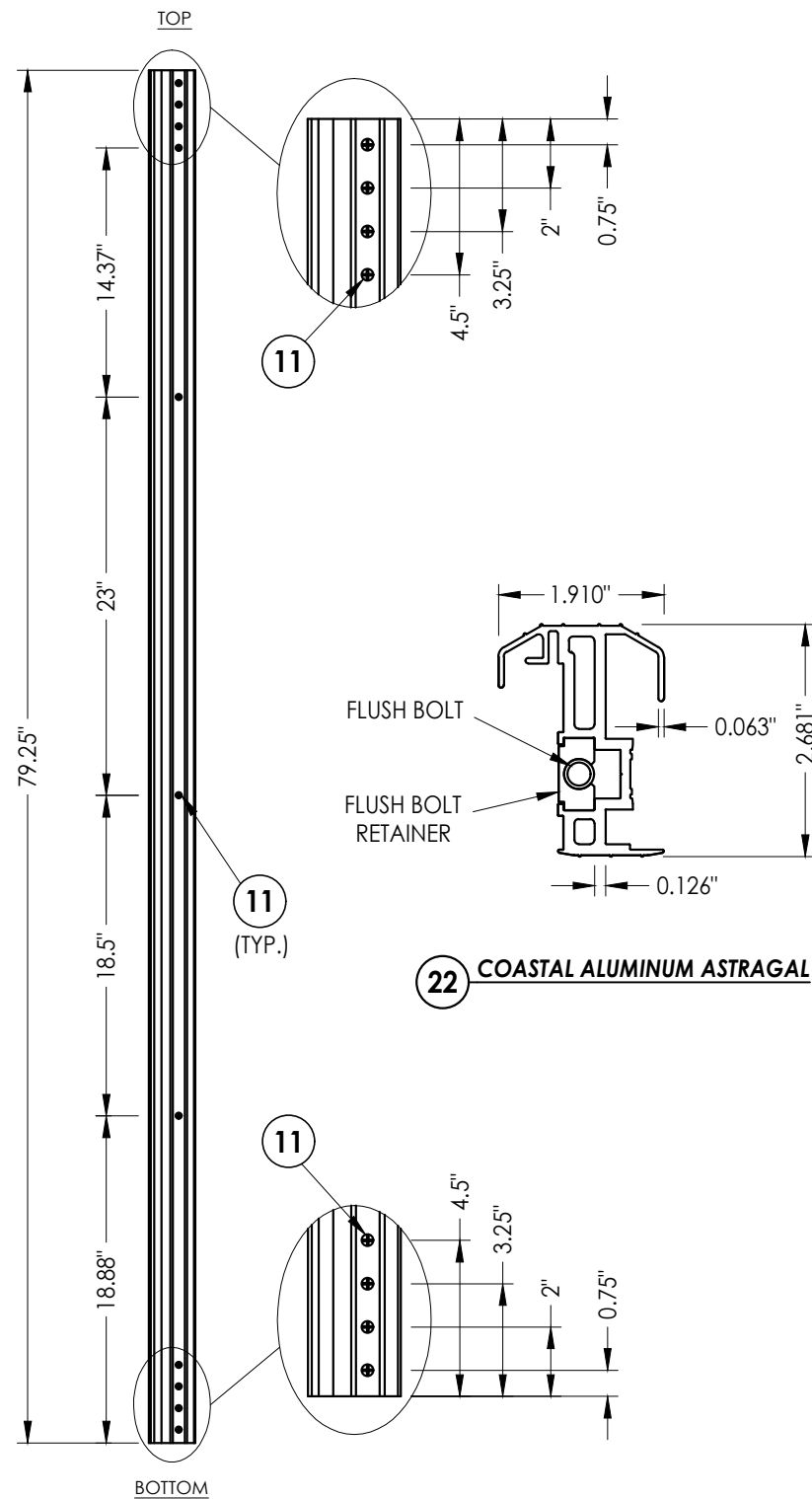
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
BENCHMARK BY THERMA TRU

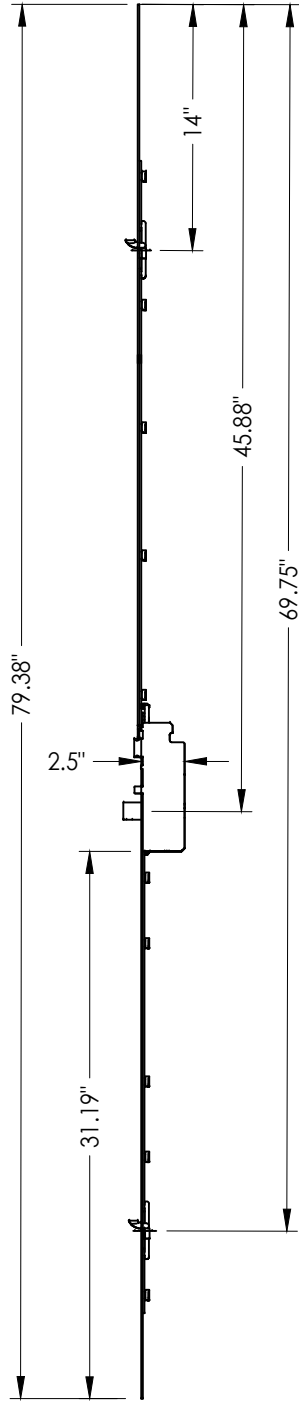
PART OR ASSEMBLY:
FRAME ANCHORING

[illegible]

DATE:	10/02/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21135.9
SHEET	8 OF 11

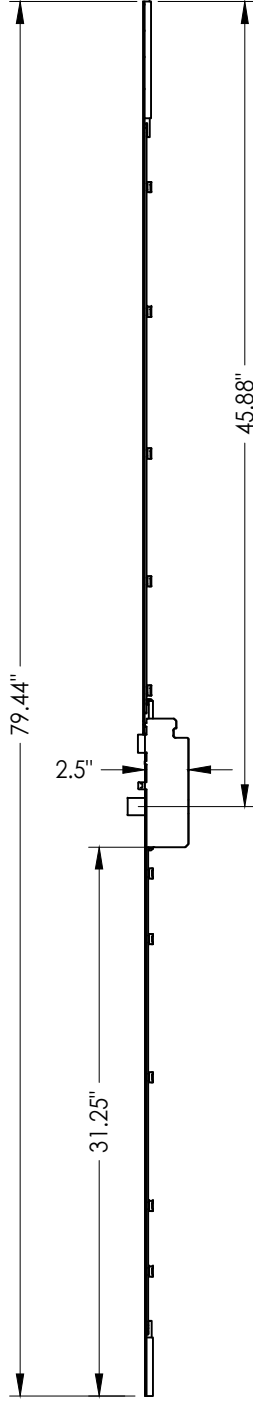


ASTRAGAL DETAILS

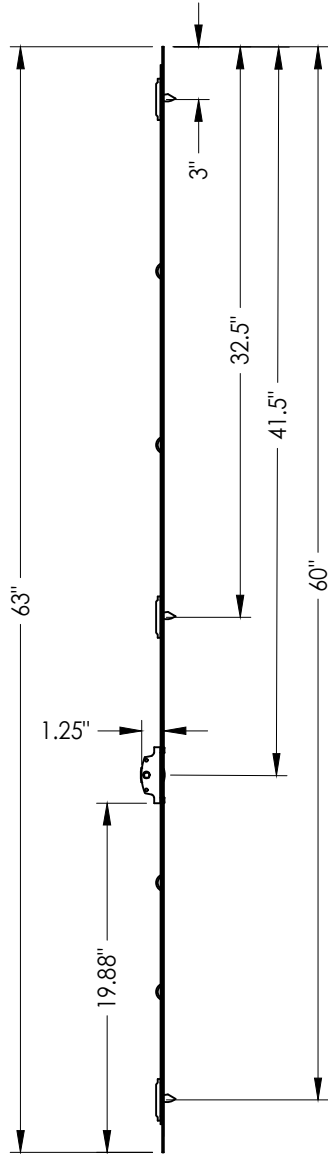


HOPPE MULTI-POINT LOCK

Manual Raised Tongue
Gear System
(Single Door)



HOPPE MULTI-POINT LOCK
Manual Shootbolt System
(Active Double Door)
(Passive Double Door) *



HOPPE MULTI-POINT LOCK

Manual Raised Tongue
Gear System
(Sidelite)

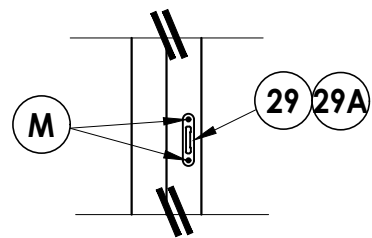
* Hoppe Multi-point Lock (2-pt shootbolt) may be used on in-active (passive door) in lieu of astragal shootbolts for Design Pressures ≤ 20 PSF only.

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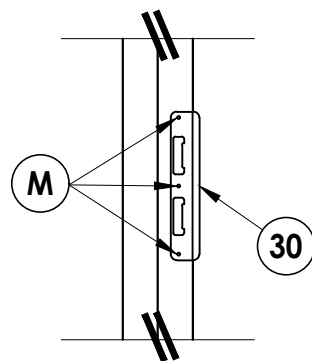
PRODUCT:	BENCHMARK BY THERMA TRU
PART OR ASSEMBLY:	HARDWARE DETAILS

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

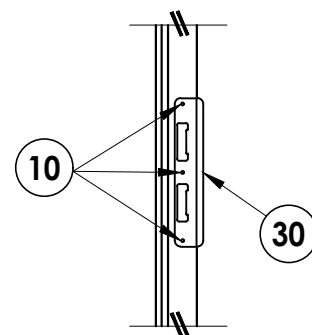
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BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



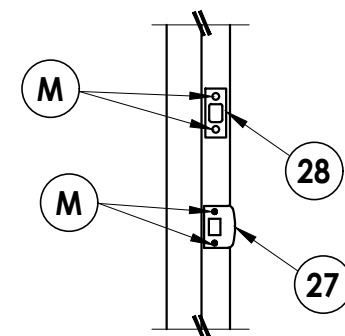
TONGUE STRIKE DETAIL
Single Door/Sidelite



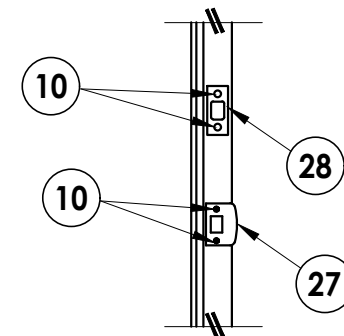
LATCH & DEADBOLT DETAIL
Single Door



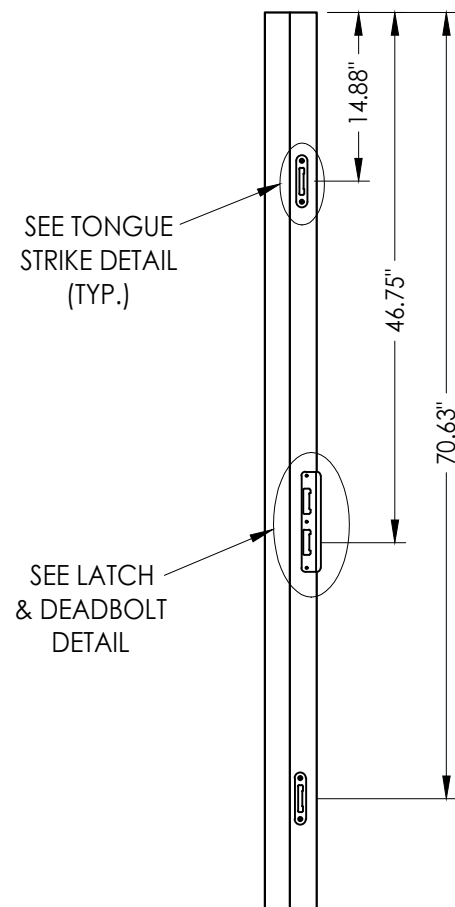
LATCH & DEADBOLT DETAIL
Double Door



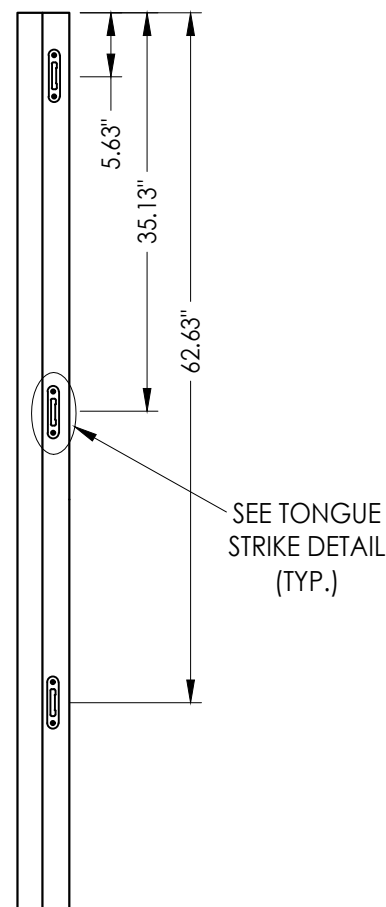
LATCH & DEADBOLT DETAIL
Single Door



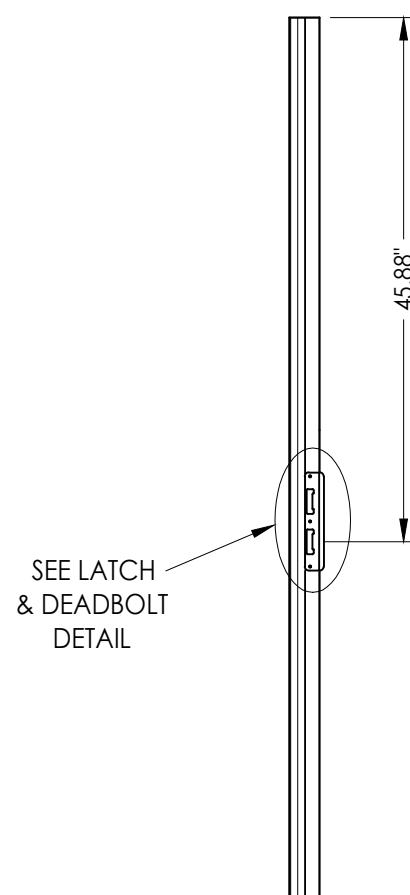
LATCH & DEADBOLT DETAIL
Double Door



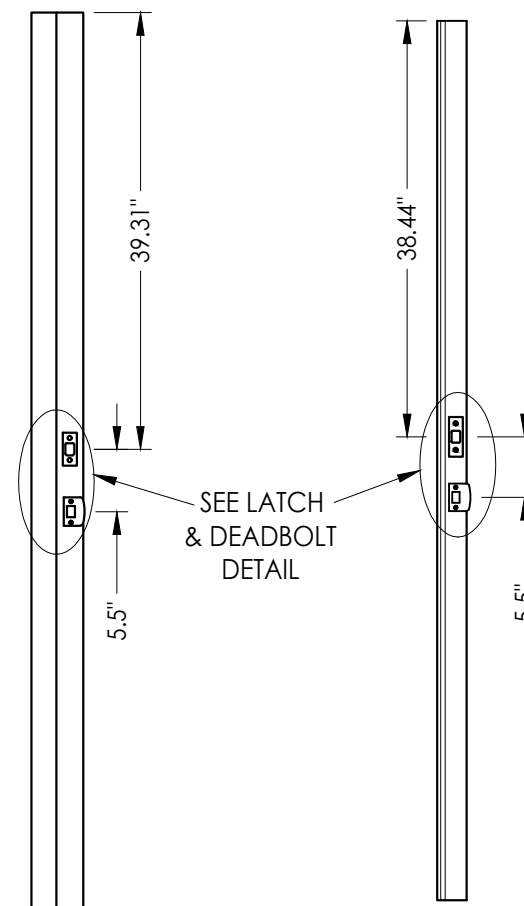
STRIKE JAMB / MULLION
Single Door



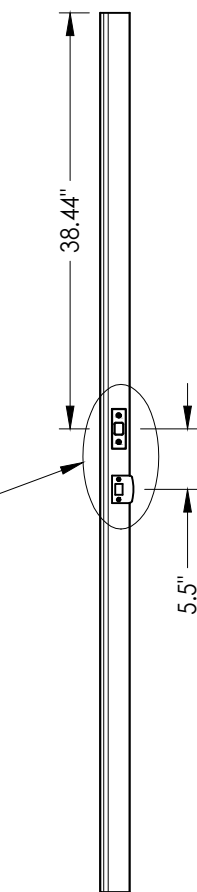
STRIKE MULLION
Sidelite



ASTRAGAL STRIKE
Double Door



STRIKE JAMB / MULLION
Single Door



ASTRAGAL STRIKE
Double Door

MULTI-POINT LOCK STRIKE DETAILS

LATCH & DEADBOLT STRIKE DETAILS

[illegible]

DATE: 10/02/17

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21135.9

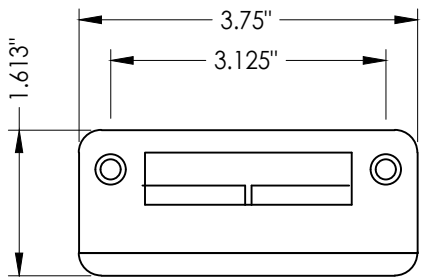
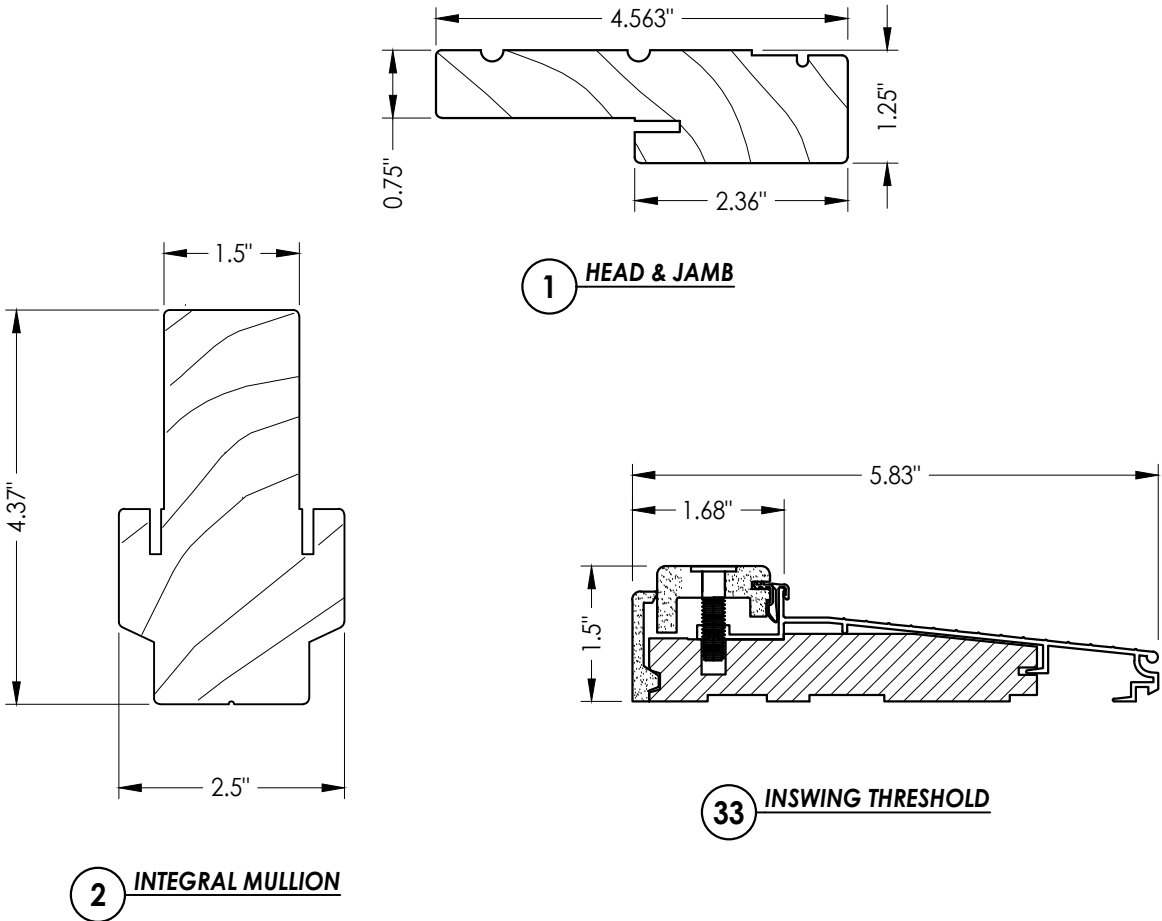
SHEET 10 OF 11

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

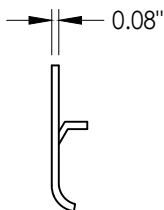
R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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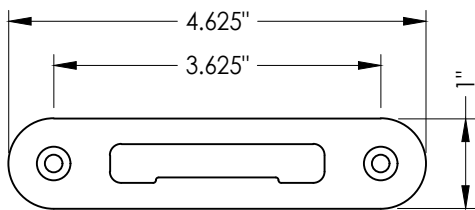
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
H	3/16" x 3-1/4" 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	-



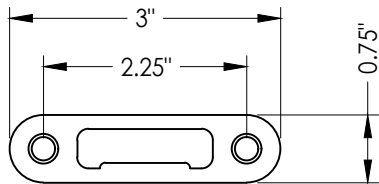
23 UNIVERSAL STRIKE PLATE
Head & Sill



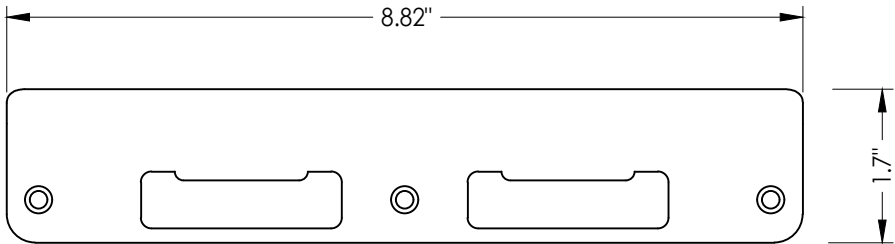
29 TONGUE STRIKE PLATE
Door Tongue system



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

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

DATE: 10/02/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21135.9

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