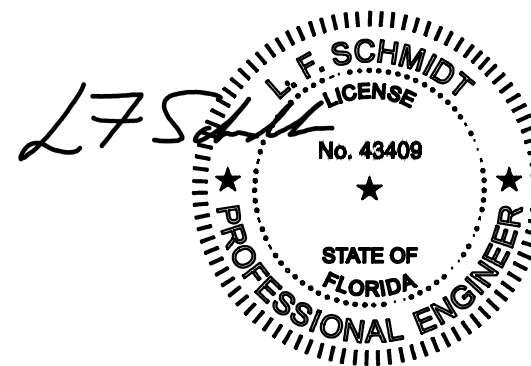




**INSWING
"NON-IMPACT"**

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. Fiber-Classic & Smooth-Star Door and Sidelite panels require the use of "J" part numbers and must be stained or painted within six months of installation.

TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes	8	Horizontal Cross Sections
2	Door Panel Details	9	Vertical Cross Sections (Thresholds)
3	Door Panel Details	10	Buck Anchoring
4	Sidelite Panel Details	11	Frame Anchoring
5	Elevations	12	Hardware Details
6	Horizontal & Vertical Cross Sections (2X Buck)	13	Glazing details
7	Horizontal & Vertical Cross Sections (1X Buck)	14	Bill of Materials & Components

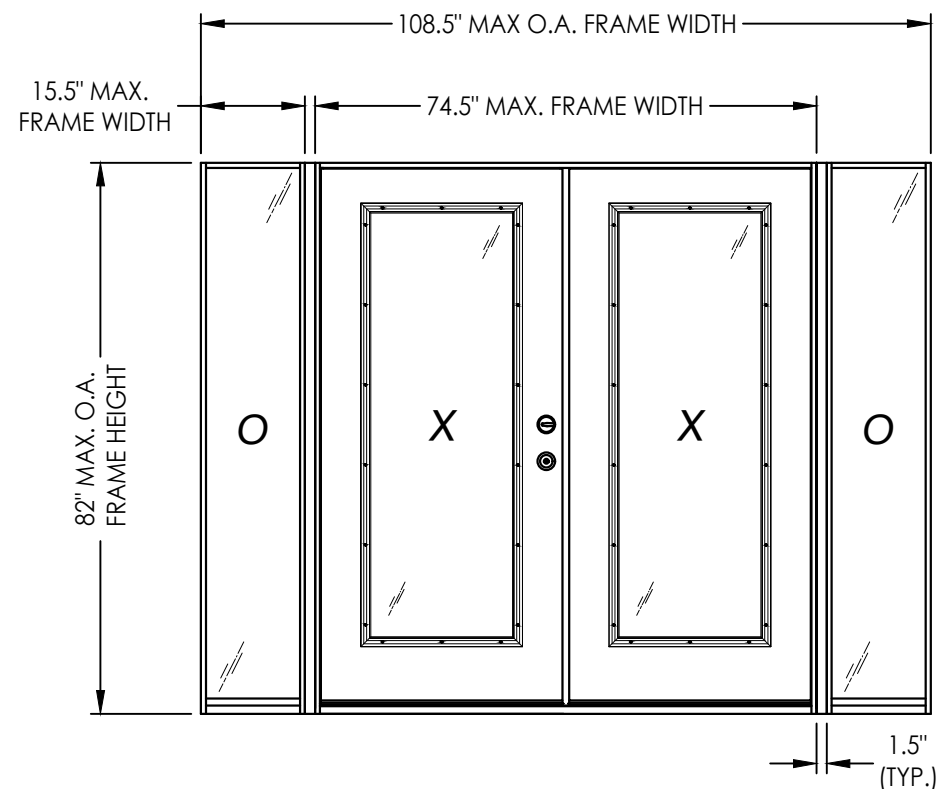


Digitally signed by
Lyndon F Schmidt
Date: 2026.08.10
16:20:29 -04'00'

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	DOOR GLAZING	2X REINFORCEMENT REQUIRED	ASTRAGAL	DESIGN PRESSURE (PSF) w/ FJ PINE JAMBS		DESIGN PRESSURE (PSF) w/ COMPOSITE JAMBS	
				POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OXXO	LIP LITE	NO	STANDARD	+40.0	-45.0	+40.0	-45.0
		YES	COASTAL	+40.0	-45.0	+45.0	-50.0
	FLUSH	NO	STANDARD	+50.0	-55.0	+40.0	-45.0
		YES	COASTAL	+50.0	-55.0	+45.0	-50.0

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 License No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

2	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC LFS
1	7/24/23	UPDATE TO 8TH ED.	(2023)	FBC LFS
NO.	DATE			BY
REVISIONS				

DATE: 12/10/20

SCALE: *N.T.S.*

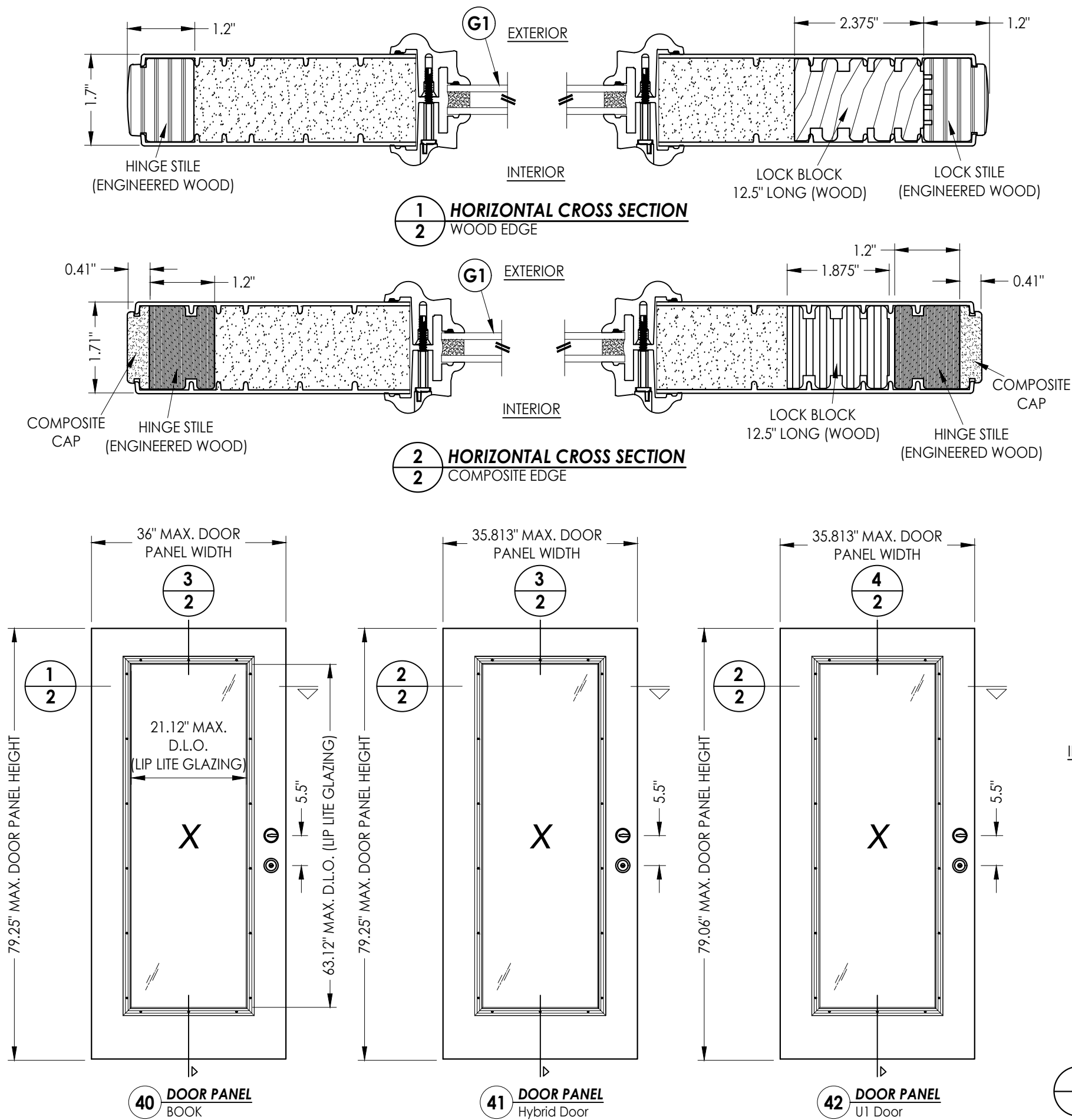
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CHK. BY: LFS

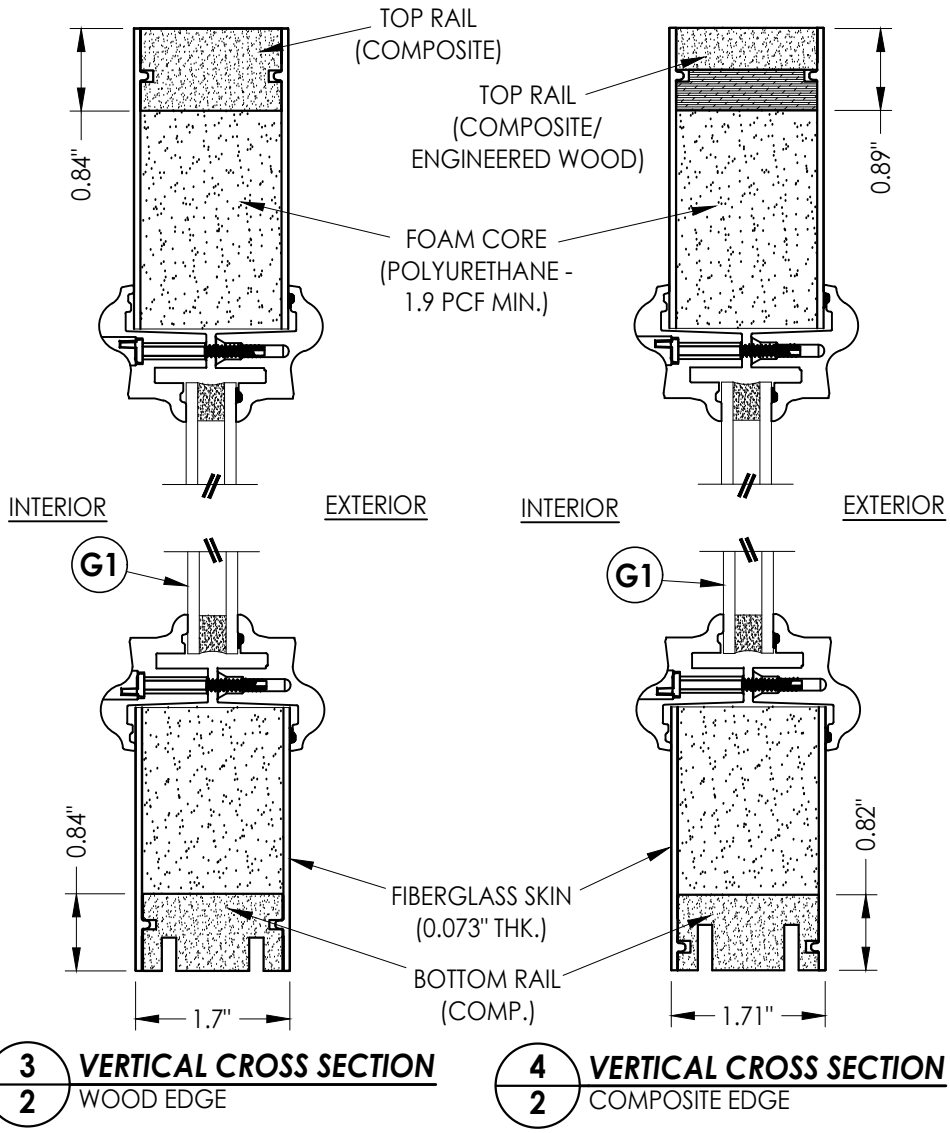
DRAWING NO.:
FL-35436.4

SHEET 1 OF 14

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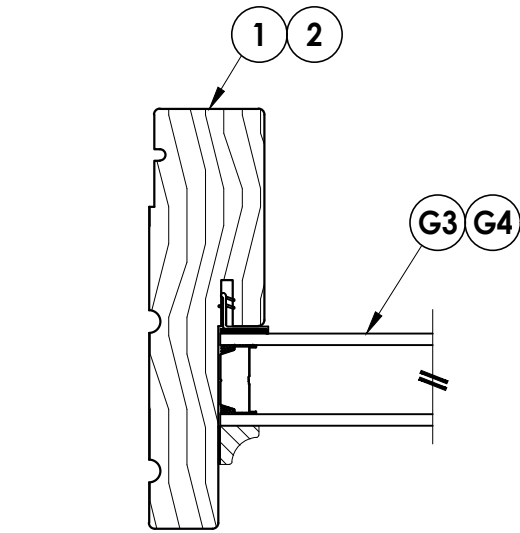
NOTE: BOOK, HYBRID & U1 DOORS
MAY EACH BE FABRICATED AS WOOD
OR COMPOSITE EDGE DOORS.



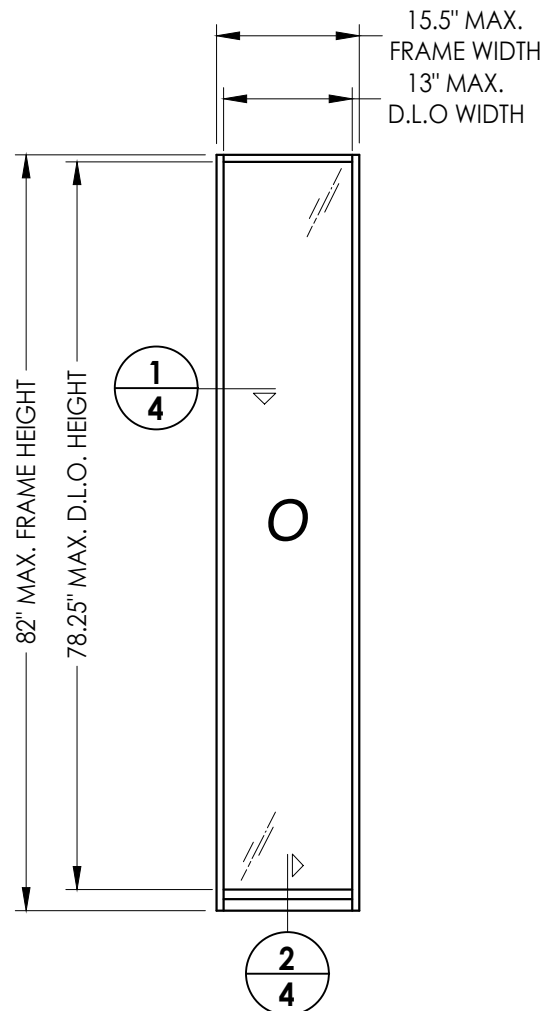
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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		LFS	BY
		FBC	
2	7/01/26	UPDATE TO 9TH ED. (2026)	
1	7/24/23	UPDATE TO 8TH ED. (2023)	
NO.	DATE	REVISIONS	
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.4			
SHEET 2 OF 14			

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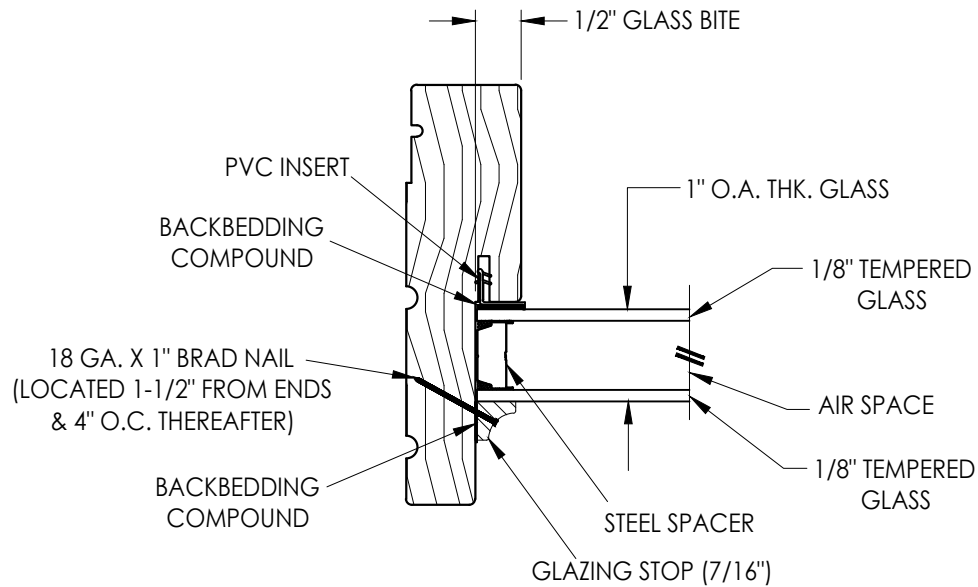
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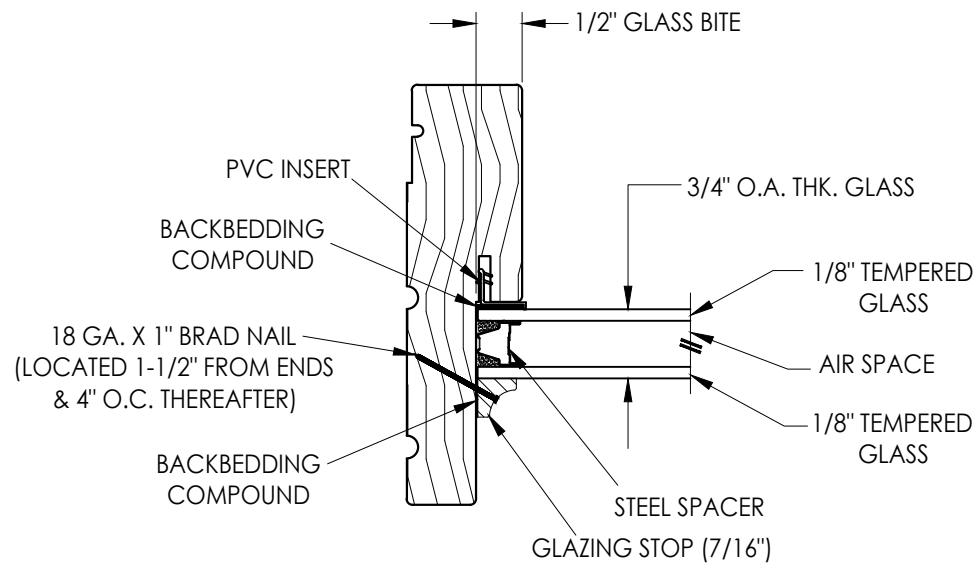
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4 **HORIZONTAL CROSS SECTION**



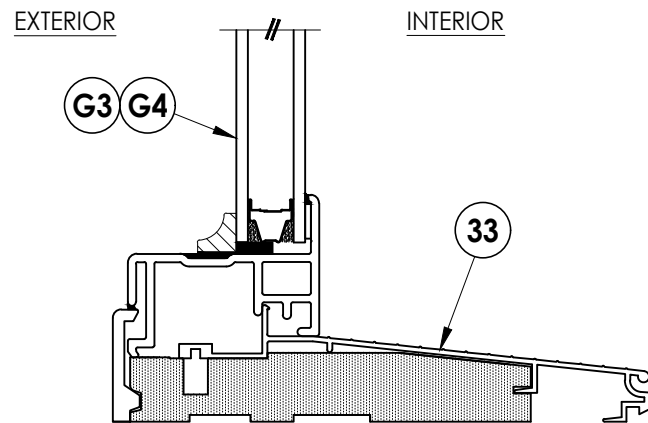
50 **DIRECT SET SIDELITE FRAME**



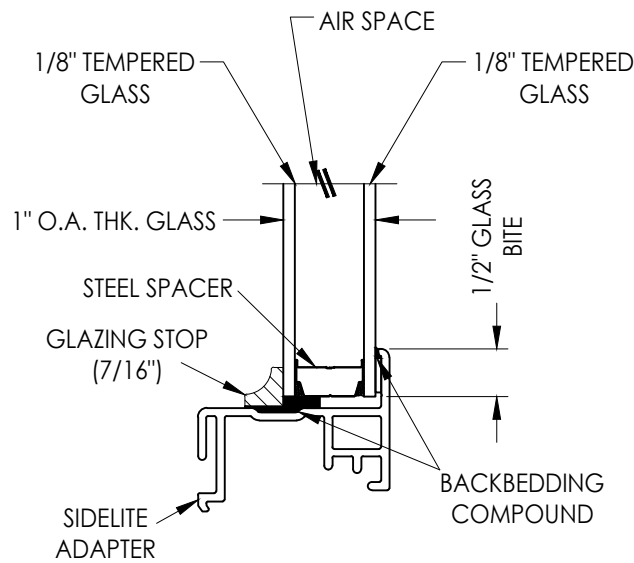
G3 **GLAZING DETAIL**
1" Insulated Glass



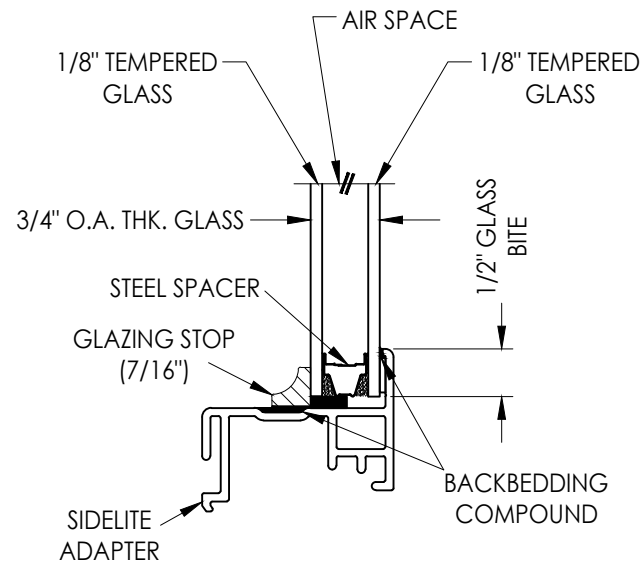
G4 **GLAZING DETAIL**
3/4" Insulated Glass



2
4 **VERTICAL CROSS SECTION**



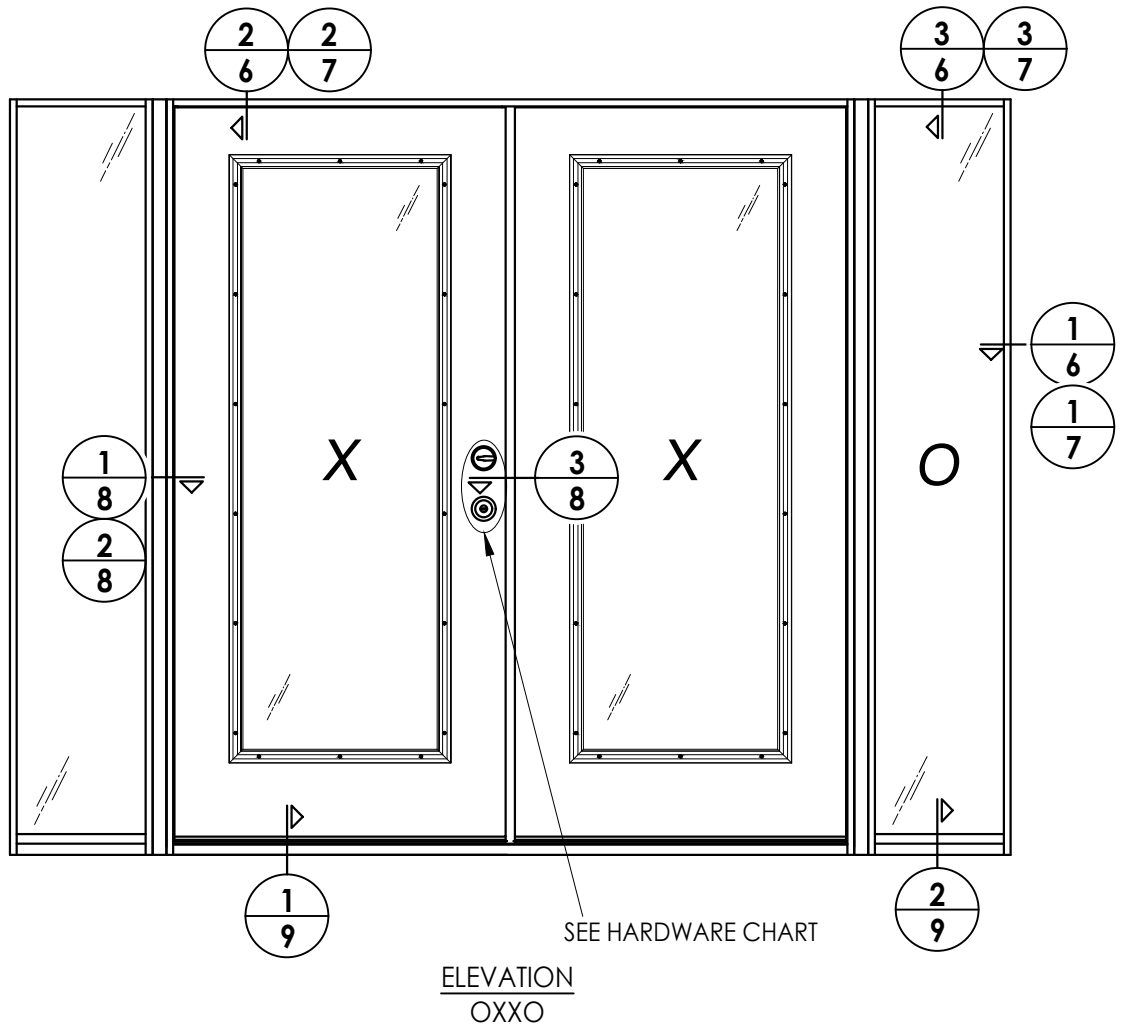
G3 **GLAZING DETAIL**
1" Insulated Glass



G4 **GLAZING DETAIL**
3/4" Insulated Glass

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PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: SIDELITE PANEL DETAILS			
				LFS	BY	REVISIONS	
				FBC			
				FBC			
2	7/01/26	UPDATE TO 9TH ED. (2026)				NO.	DATE
1	7/24/23	UPDATE TO 8TH ED. (2023)					
DATE: 12/10/20							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-35436.4							
SHEET 4 OF 14							

Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)



HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB: F51 DEADBOLT: B60	
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)	

[illegible]

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

Documents Prepared By:
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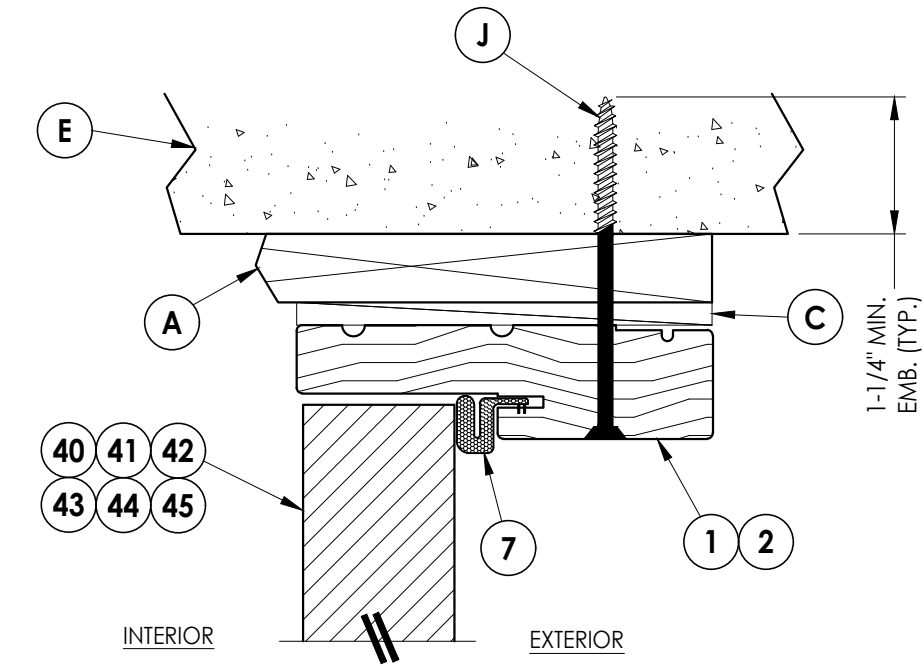
Radco Building Consultants, Inc.

P.O. Box 230, Valrico, FL 33595

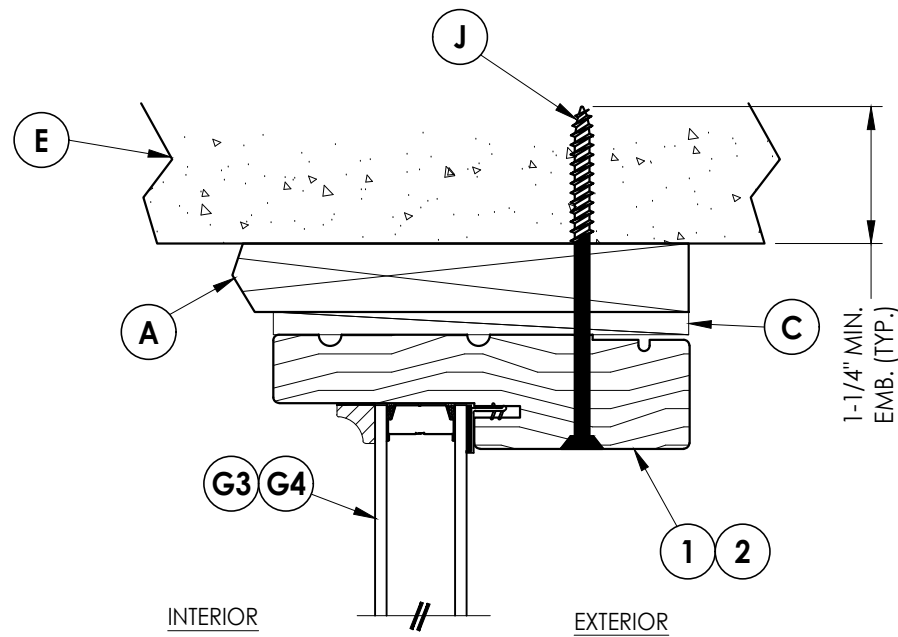
Phone No.: 813.659.9197

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2 **VERTICAL CROSS SECTION**
7 Shown w/ 1X sub-buck
 Outswing shown (Inswing similar)



3 VERTICAL CROSS SECTION
7 Shown w/ 1X sub-buck

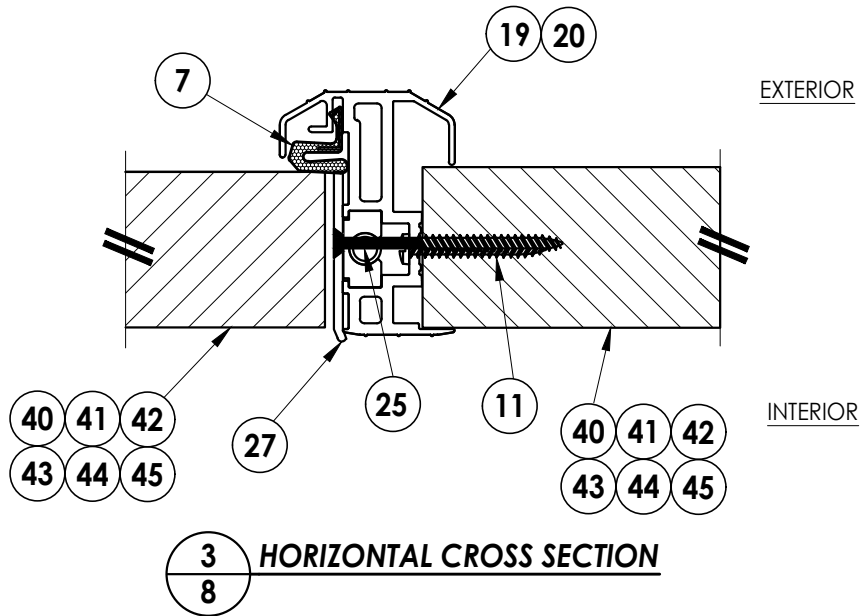
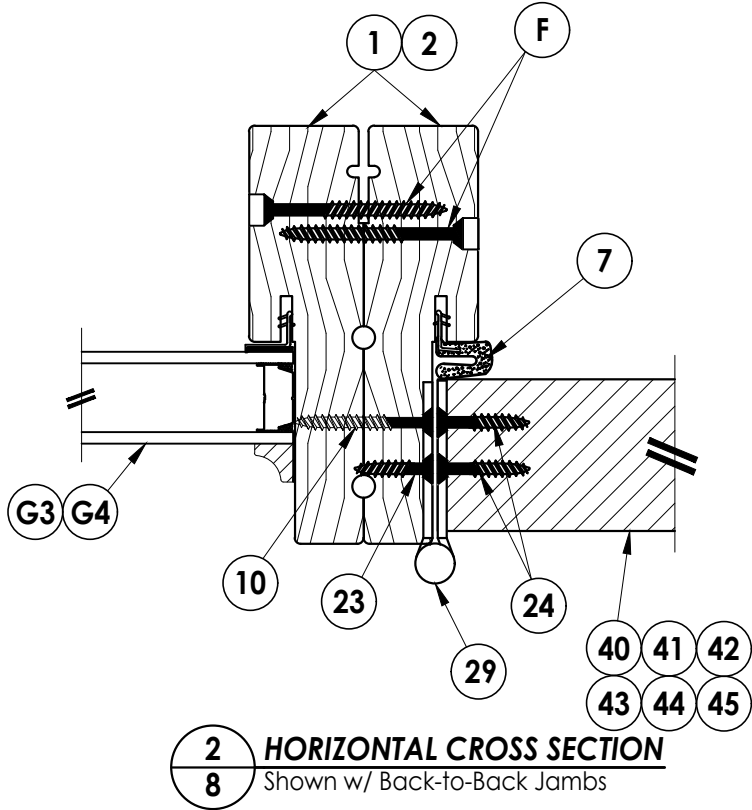
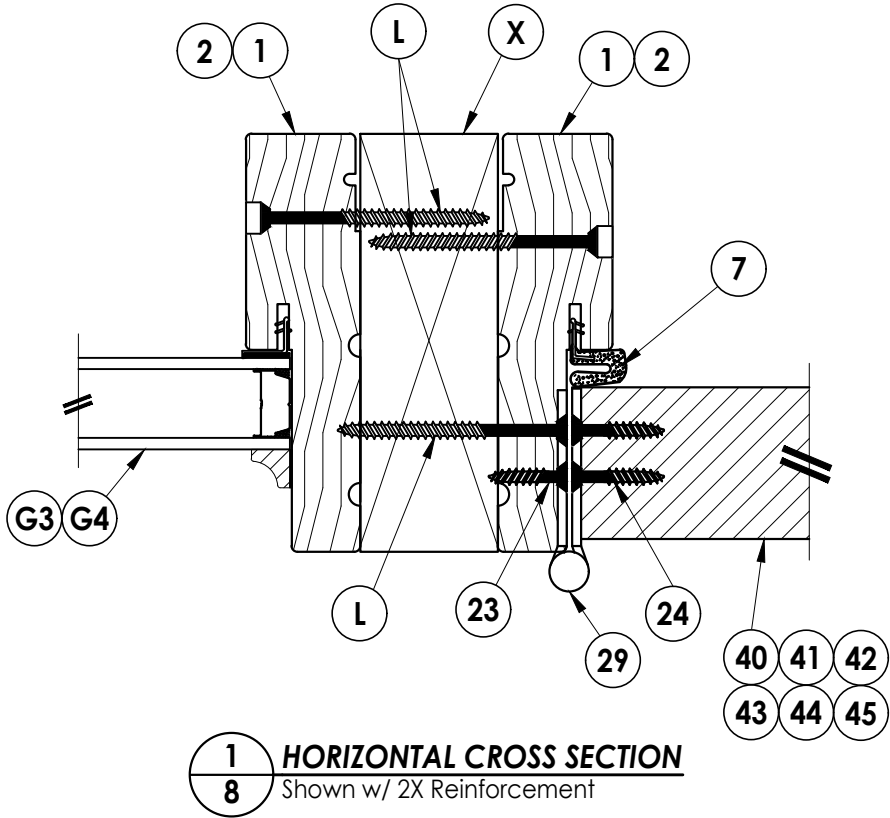
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1	7/24/23	UPDATE TO 8TH ED.	(2023)	FBC LFS
NO.	DATE			BY
REVISIONS				

DATE:	12/10/20
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-35436.4
SHEET	7 OF 14

Documents Prepared By:
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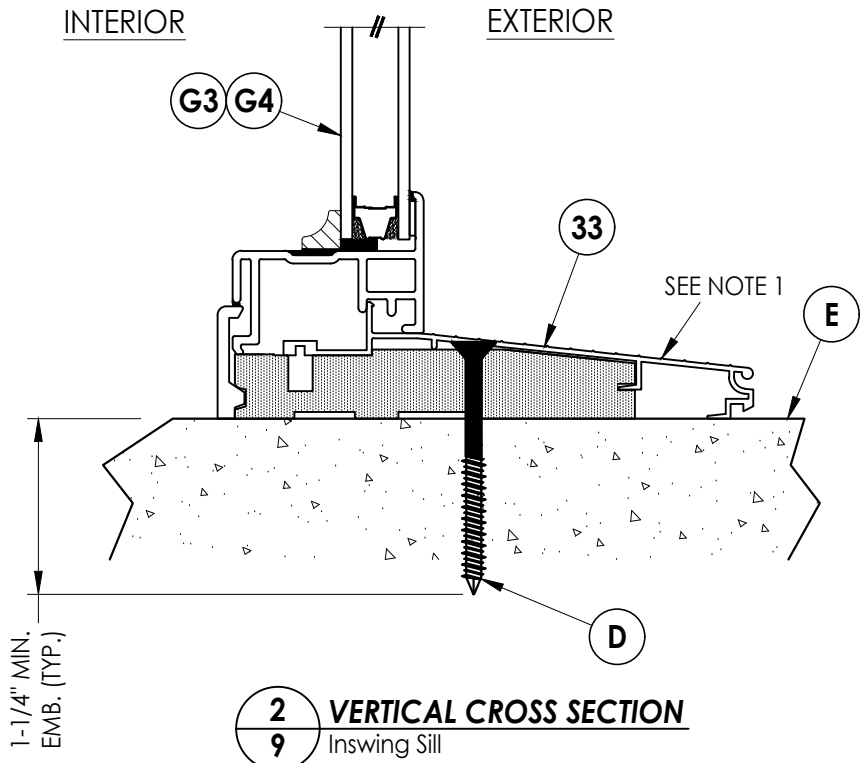
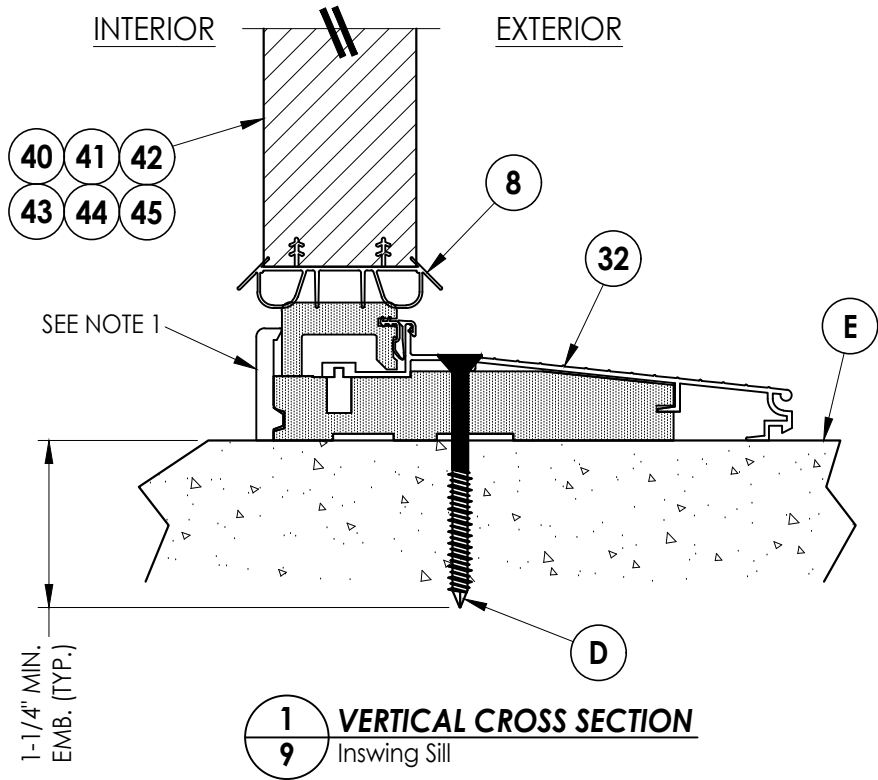
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PRODUCT: 14 FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
		LFS	BY
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
1	7/24/23	UPDATE TO 8TH ED. (2023)	FBC
NO.	DATE		
REVISIONS			
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.4			
SHEET 8 OF 14			

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Note:
1. Sill Item #'s 32 & 33 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.



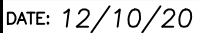
DATE: 12/10/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-35436.4
SHEET 9 OF 14

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
1	7/24/23	UPDATE TO 8TH ED. (2023) FBC
		BY

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS (THRESHOLDS)

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DWG. BY: *RW*

CHK. BY: LFS

DRAWING NO.:

FL-35436.4

SHEET 10 OF 14

2	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
1	7/24/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
NO.	DATE				BY
					REVISIONS

PRODUCT:

THERMA-TRU
 FIBERGLASS DOOR

PART OR ASSEMBLY:

BUCK ANCHORING

Documents Prepared By:

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P.E. No. 43409

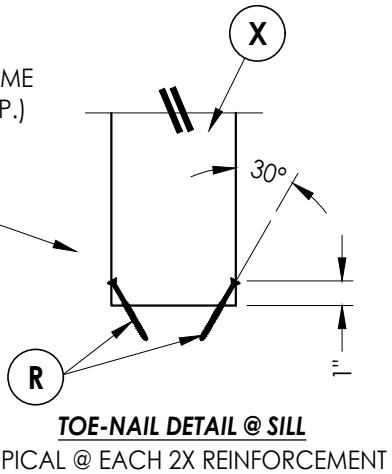
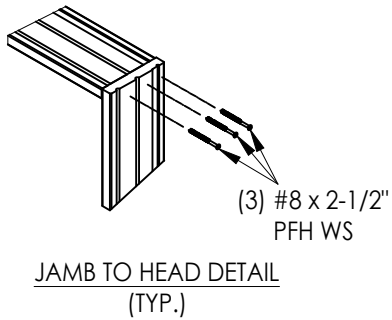
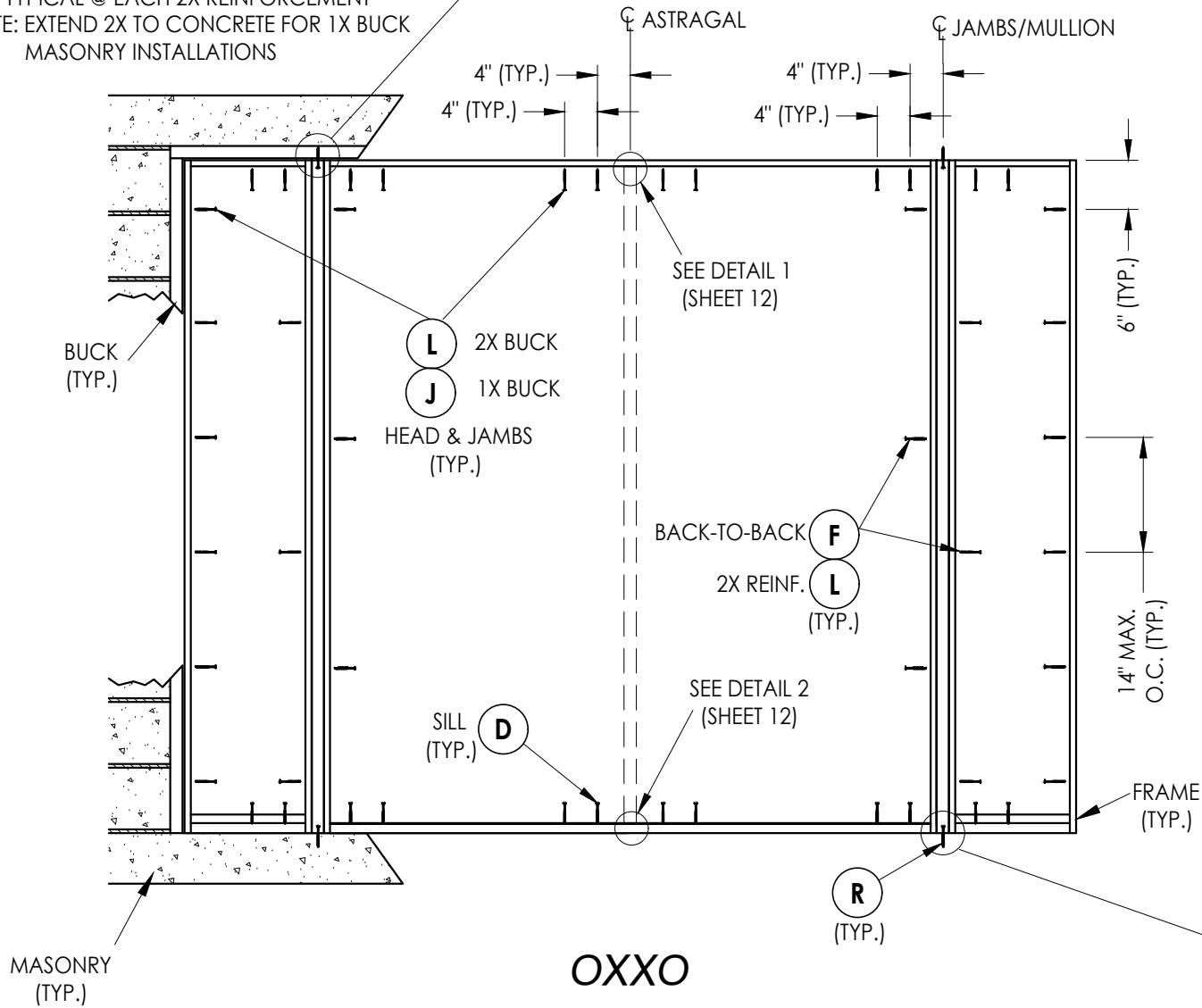
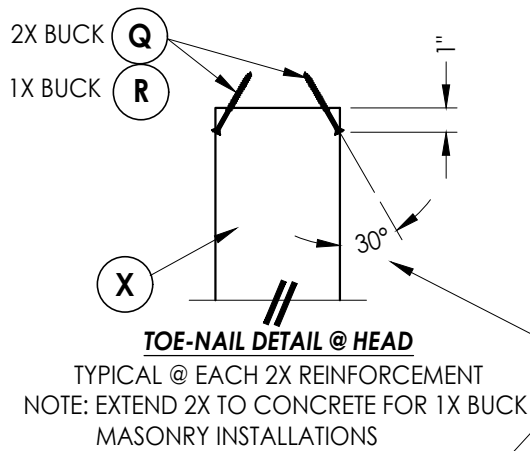
RA, BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

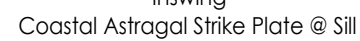
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FRAME ANCHORING

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: FRAME ANCHORING	
		NO.	DATE
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
1	7/24/23	UPDATE TO 8TH ED. (2023)	FBC LFS
REVISIONS		BY	
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.4			
SHEET 11 OF 14			



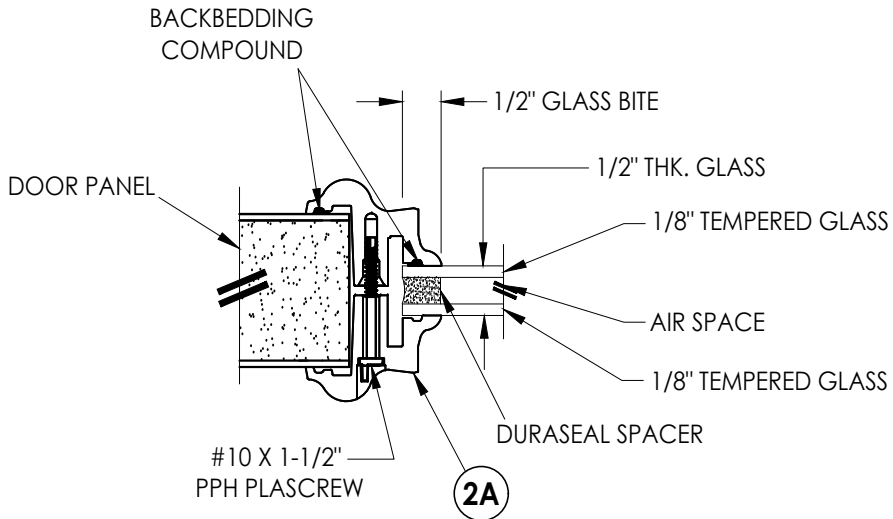
LATCH & DEADBOLT STRIKE DETAILS

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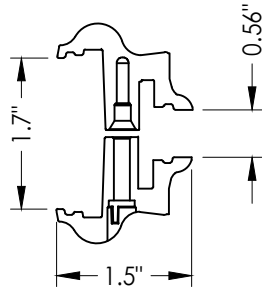
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
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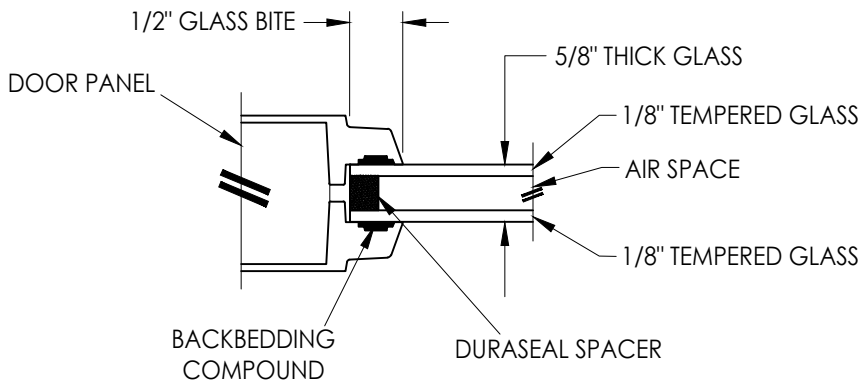
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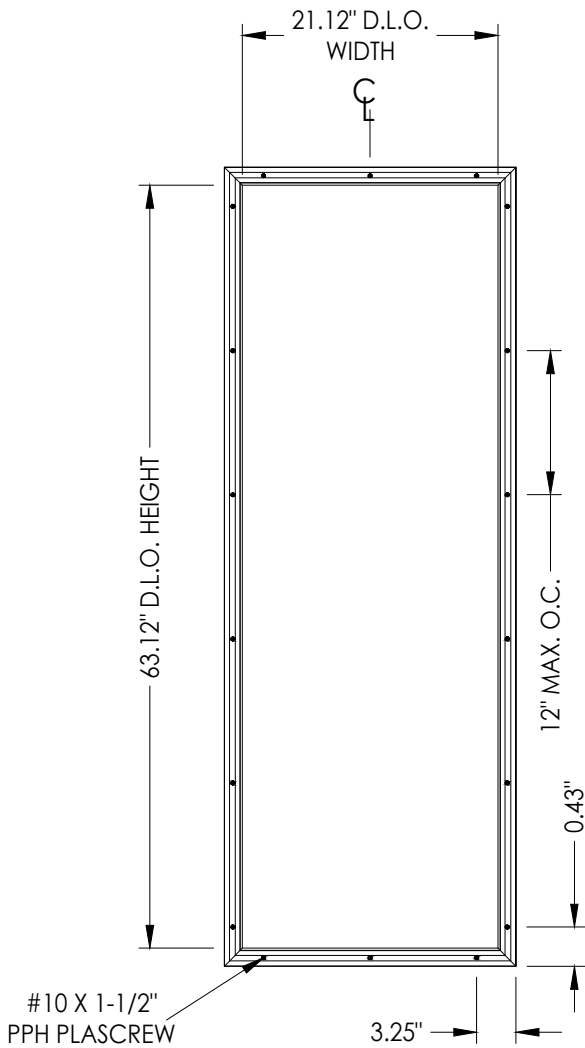
G1 GLAZING DETAIL
BTS Lite Frame
Door Panels



2A BTS LITE FRAME
1/2" Glazing



G2 GLAZING DETAIL
Flush Glazing
Door Panels



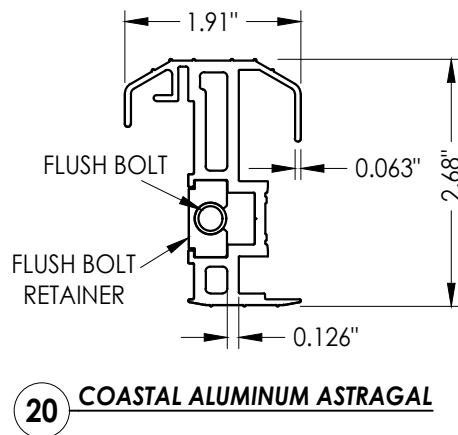
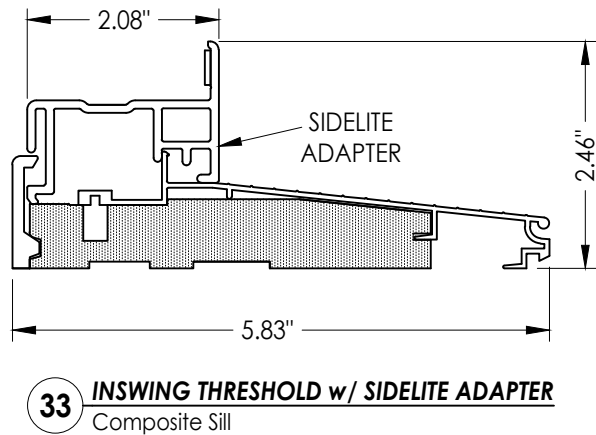
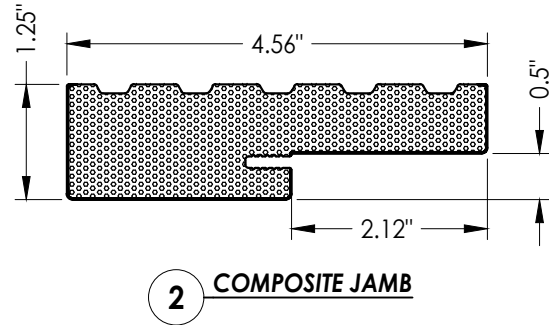
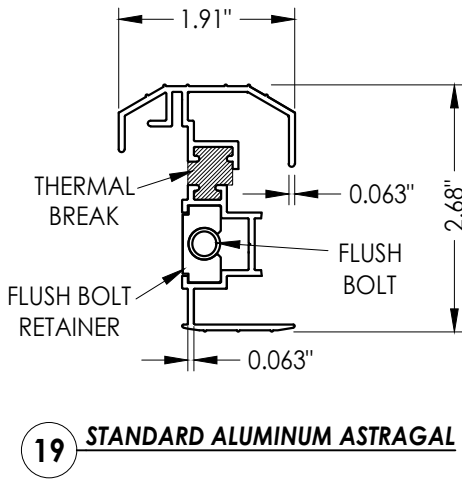
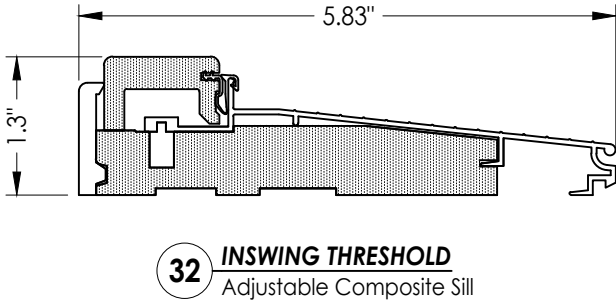
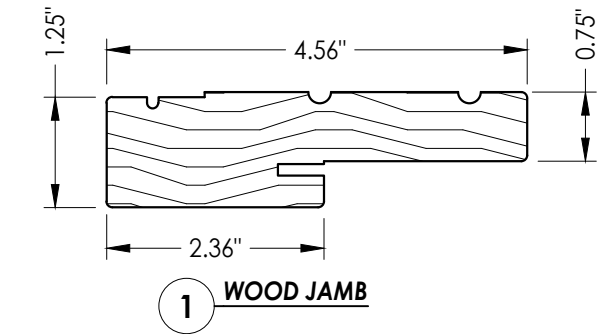
BTS Full Lite Frame

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 License No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: GLAZING DETAILS	
		LFS	BY
		FBC	
2	7/01/26	UPDATE TO 9TH ED. (2026)	
1	7/24/23	UPDATE TO 8TH ED. (2023)	
NO.	DATE		
REVISIONS			
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.4			
SHEET 13 OF 14			

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	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
F	#10 X 2" PFH WOOD SCREW	STEEL
G	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
I	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
Q	#10 X 3" PFH WOOD SCREW (1.75" MIN. EMBEDMENT)	STEEL
R	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
X	2X REINFORCEMENT (SG = 0.55)	WOOD
1	WOOD JAMB (FINGER JOINT PINE)	WOOD
2	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
10	#10 X 1-1/2" PFH WOOD SCREW	STEEL
19	STANDARD ALUMINUM ASTRAGAL	ALUM
20	COASTAL ALUMINUM ASTRAGAL	ALUM
22	#8 X 3/4" PFH WOOD SCREW	STEEL
23	#9 X 3/4" PFH WOOD SCREW	STEEL
24	#9 X 1" PFH WOOD SCREW	STEEL
25	#8 X 1-1/2" PFH WOOD SCREW	STEEL
26	#8 X 5/8" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
28A	DEADBOLT SUB STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
33	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE PANEL	-
80	COASTAL ASTRAGAL STRIKE PLATE	STEEL

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

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



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.

[illegible]