

"Teak"

GLAZED FIBERGLASS DOUBLE DOOR

w/ SIDELITES

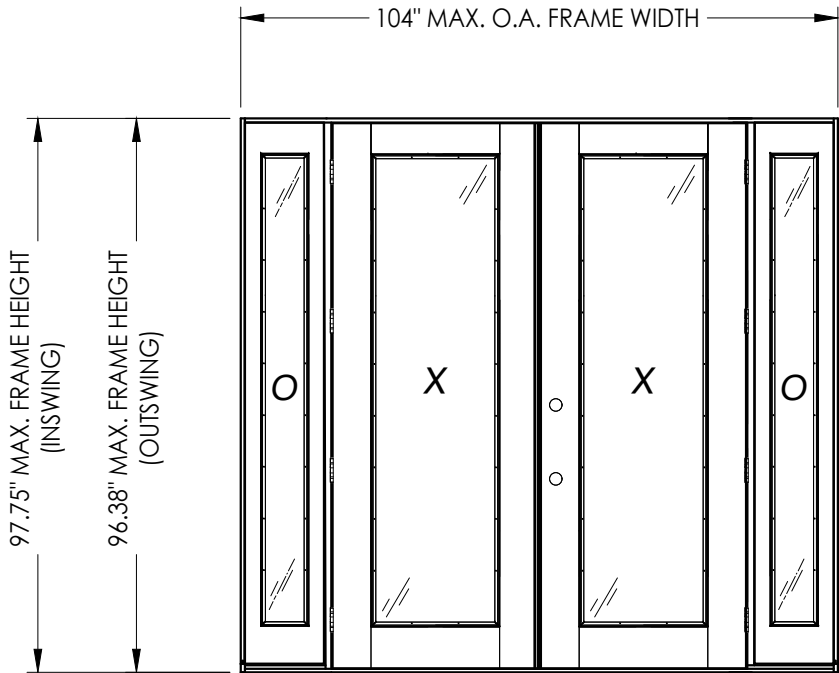
"NON-IMPACT"

INSWING / OUTSWING

GENERAL NOTES

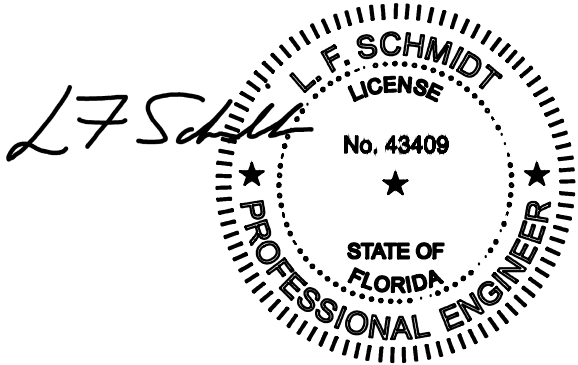
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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	Door panel details
3	Sidelite panel details
4	Elevations
5	Horizontal and vertical cross sections (2x buck)
6	Horizontal and vertical cross sections (1x buck)
7	Horizontal and vertical cross sections (Direct to Masonry)
8	Horizontal cross sections
9	Vertical cross sections
10	Buck anchoring
11	Frame anchoring
12	Components
13	Bill of materials



Continuous Head and Sill

CONFIGURATION	FRAME MATERIAL	DESIGN PRESSURE (PSF)		DESIGN PRESSURE (PSF)	
		INSWING		OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OXXO	FJ PINE	+45.0	-45.0	+45.0	-45.0
OXXO	COMPOSITE	+45.0	-45.0	+45.0	-45.0



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

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

PRODUCT:
TRINITY GLASS INT'L

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

28/01/238/01/23
UPDATE TO 8TH ED. (2023) FBC

18/11/208/11/20
UPDATE TO 7th ED. (2020) FBC

& REVISE ENDURA ULT. ASTRAGAL

NO. DATE

REVISIONS

DATE: 2/05/20

SCALE: N.T.S.

DWG. BY: TRJ

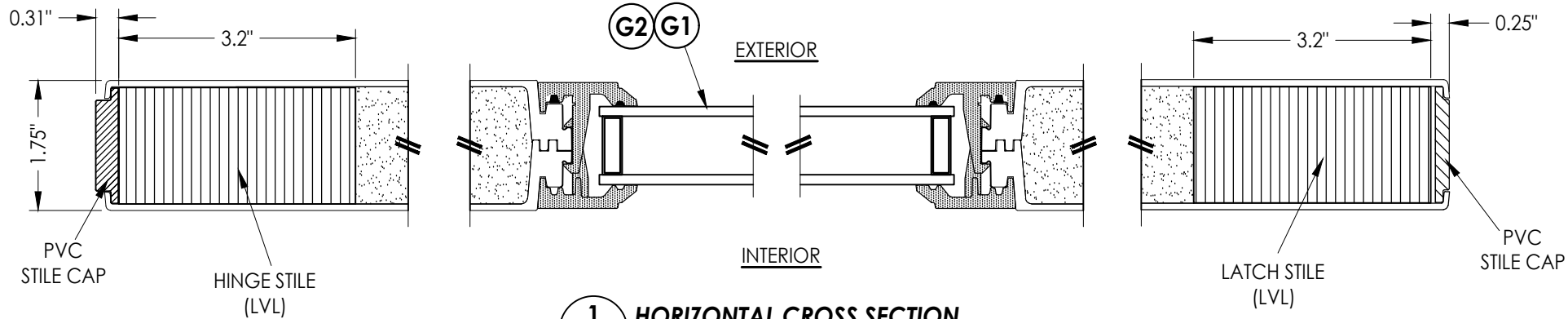
CHK. BY: LFS

DRAWING NO.: FL-25575.12

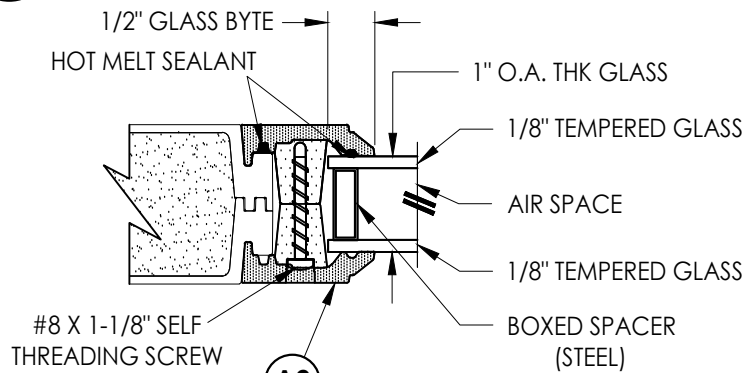
SHEET 1 OF 13

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

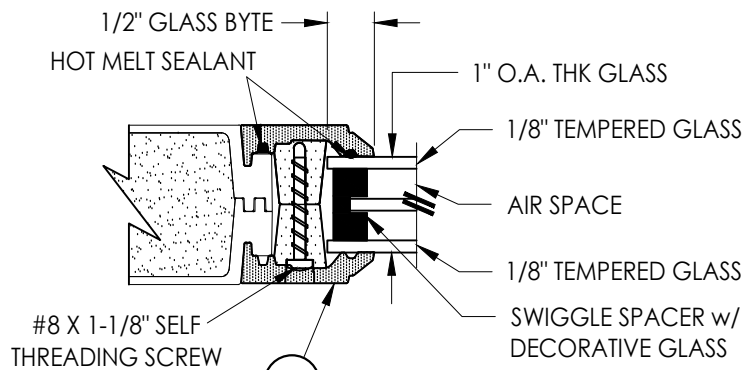
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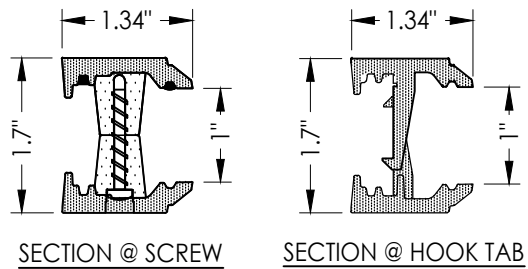
1
2 **HORIZONTAL CROSS SECTION**



G1 **GLAZING DETAIL**

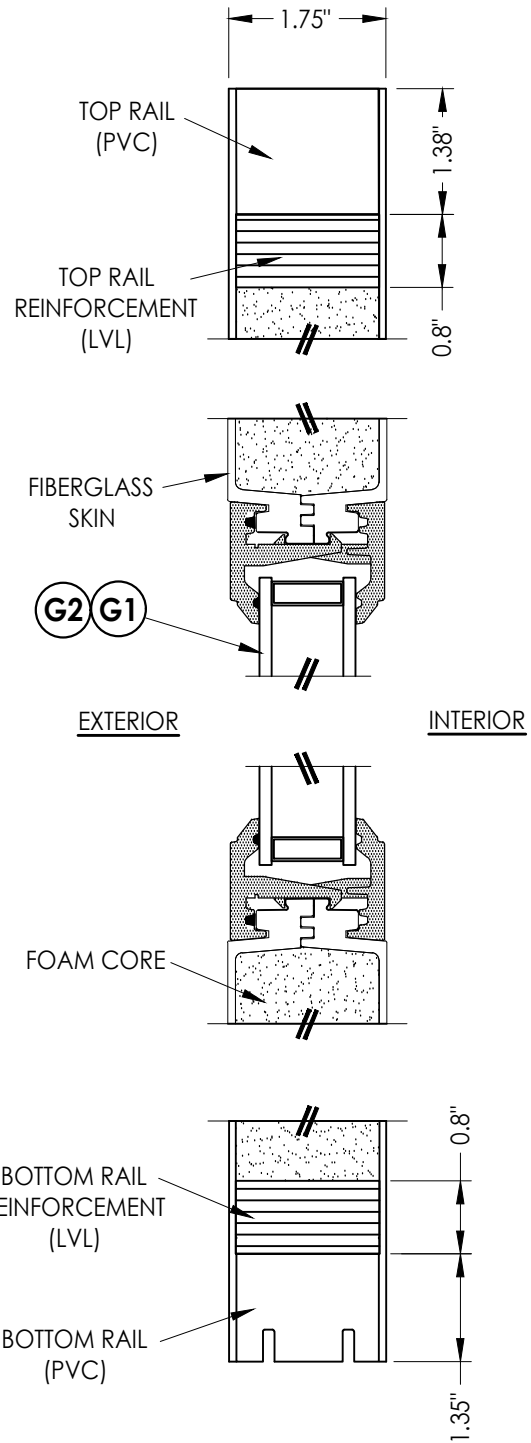


G2 **GLAZING DETAIL**
DECORATIVE GLASS

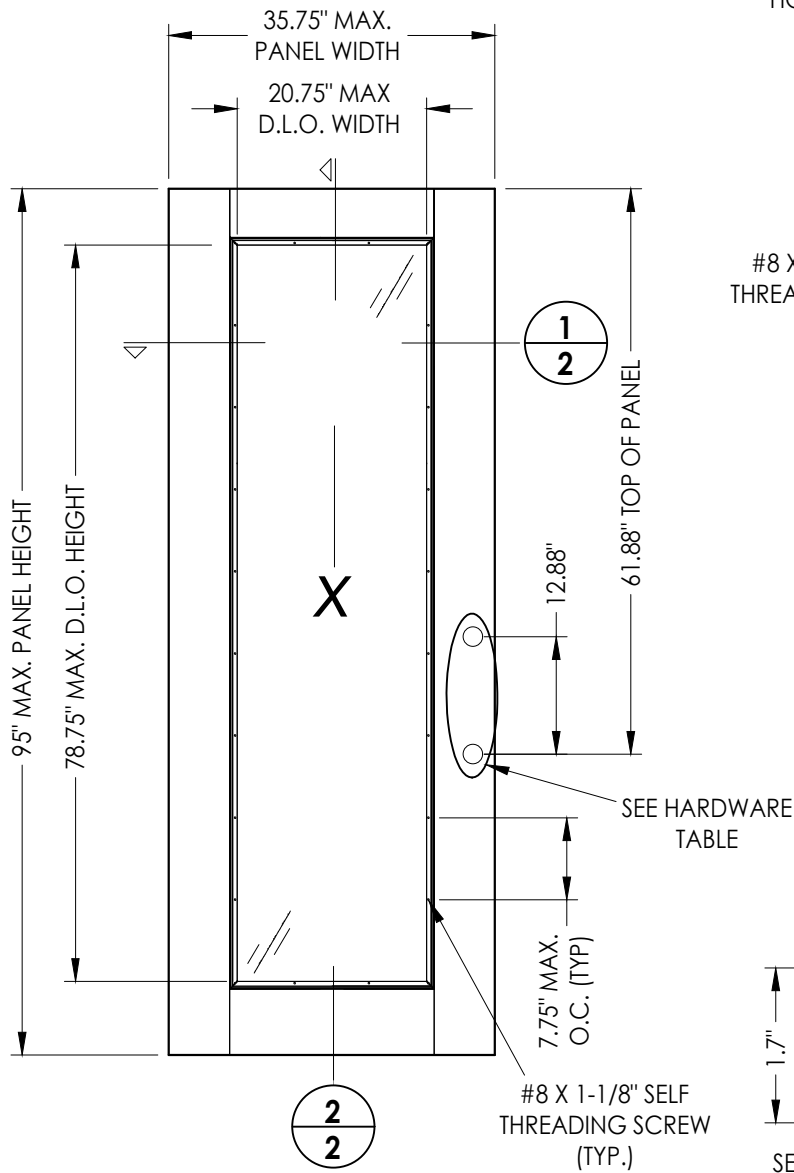


A2 **FLUSH GLAZING FRAME**
FIBERGLASS

HARDWARE CHART		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	KNOB:	F SERIES
	DEADBOLT:	B60 SERIES



2
2 **VERTICAL CROSS SECTION**



40 **GLAZED DOOR PANEL**
TEAK

DOOR SKIN: 0.079" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM

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RW BUILDING CONSULTANTS, INC.
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FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY: DOOR PANEL DETAILS

NO.	DATE	REVISIONS			
		BY	DATE	DESCRIPTION	REVISIONS
2	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
		& REVISE ENDURA ULT. ASTRAGAL			

DATE: 2/05/20

SCALE: N.T.S.

DWG. BY: TRJ

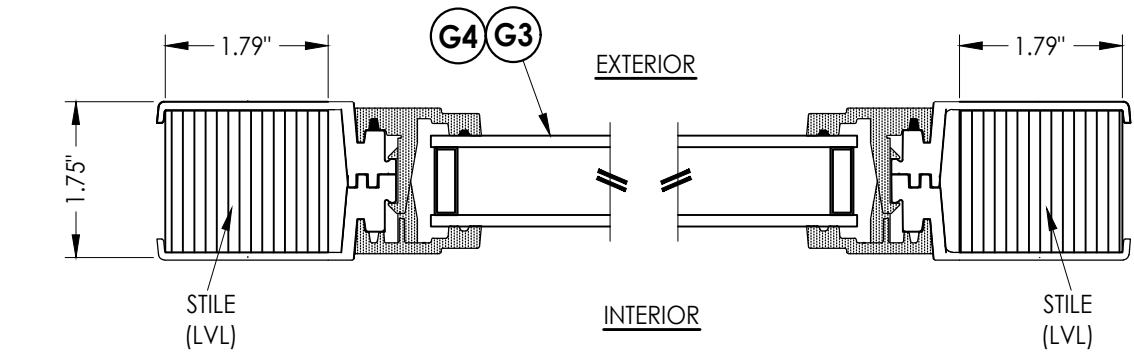
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DRAWING NO.:

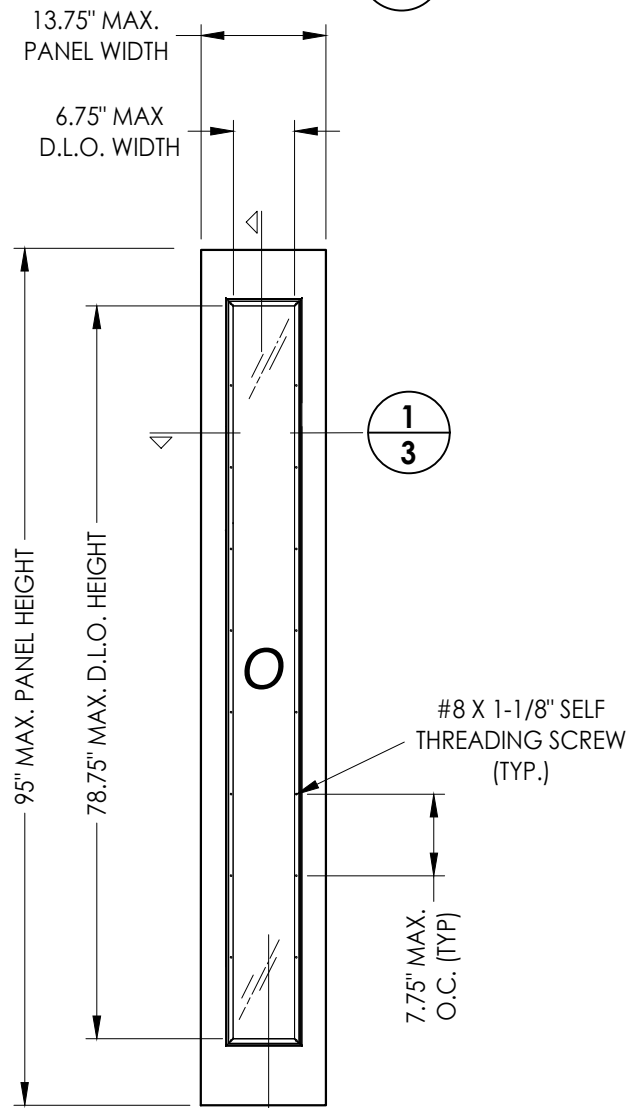
FL-25575.12

SHEET 2 OF 13

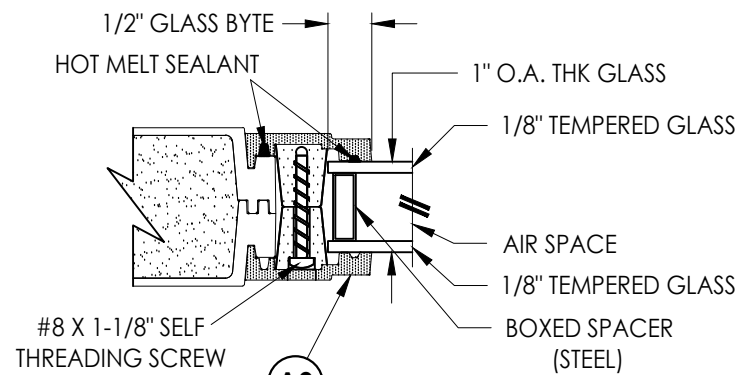
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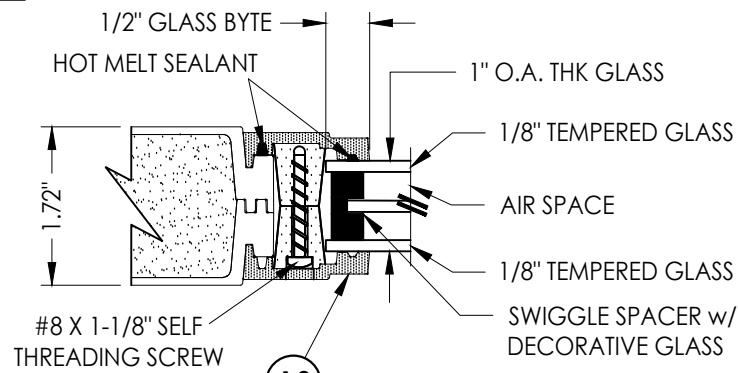
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3 HORIZONTAL CROSS SECTION



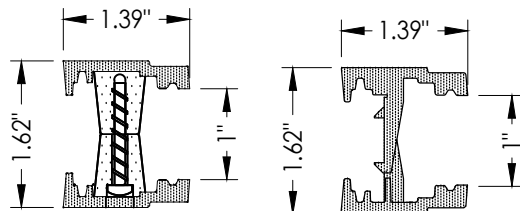
2
3 50 SIDELITE PANEL TEAK



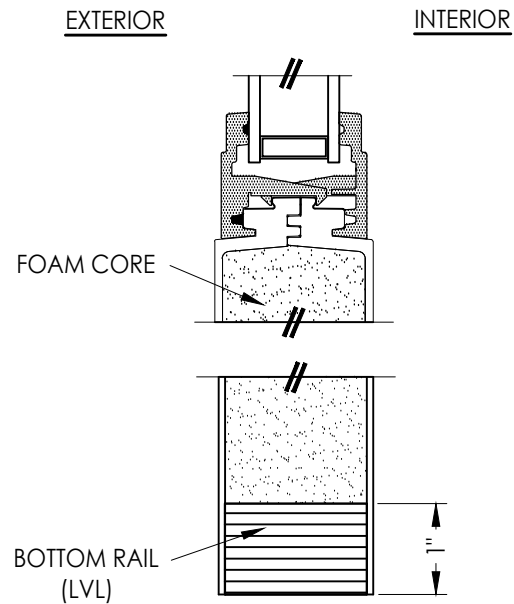
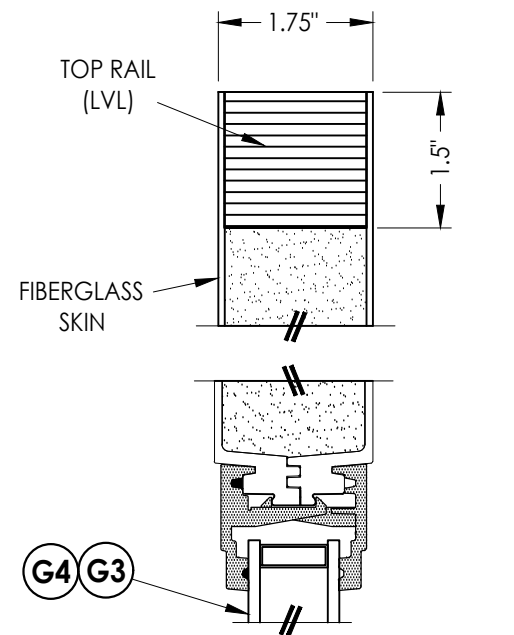
G3 A3 GLAZING DETAIL



G4 A3 GLAZING DETAIL DECORATIVE GLASS



A3 FLUSH GLAZING FRAME FIBERGLASS



2
3 2 VERTICAL CROSS SECTION

DOOR SKIN: 0.079" MIN. THK. FIBERGLASS
CORE MATERIAL: POLYURETHANE FOAM

Documents Prepared By:
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PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY: SIDELITE PANEL DETAILS

NO.	DATE	REVISIONS
2	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
		& REVISE ENDURA ULT. ASTRAGAL

DATE: 2/05/20

SCALE: N.T.S.

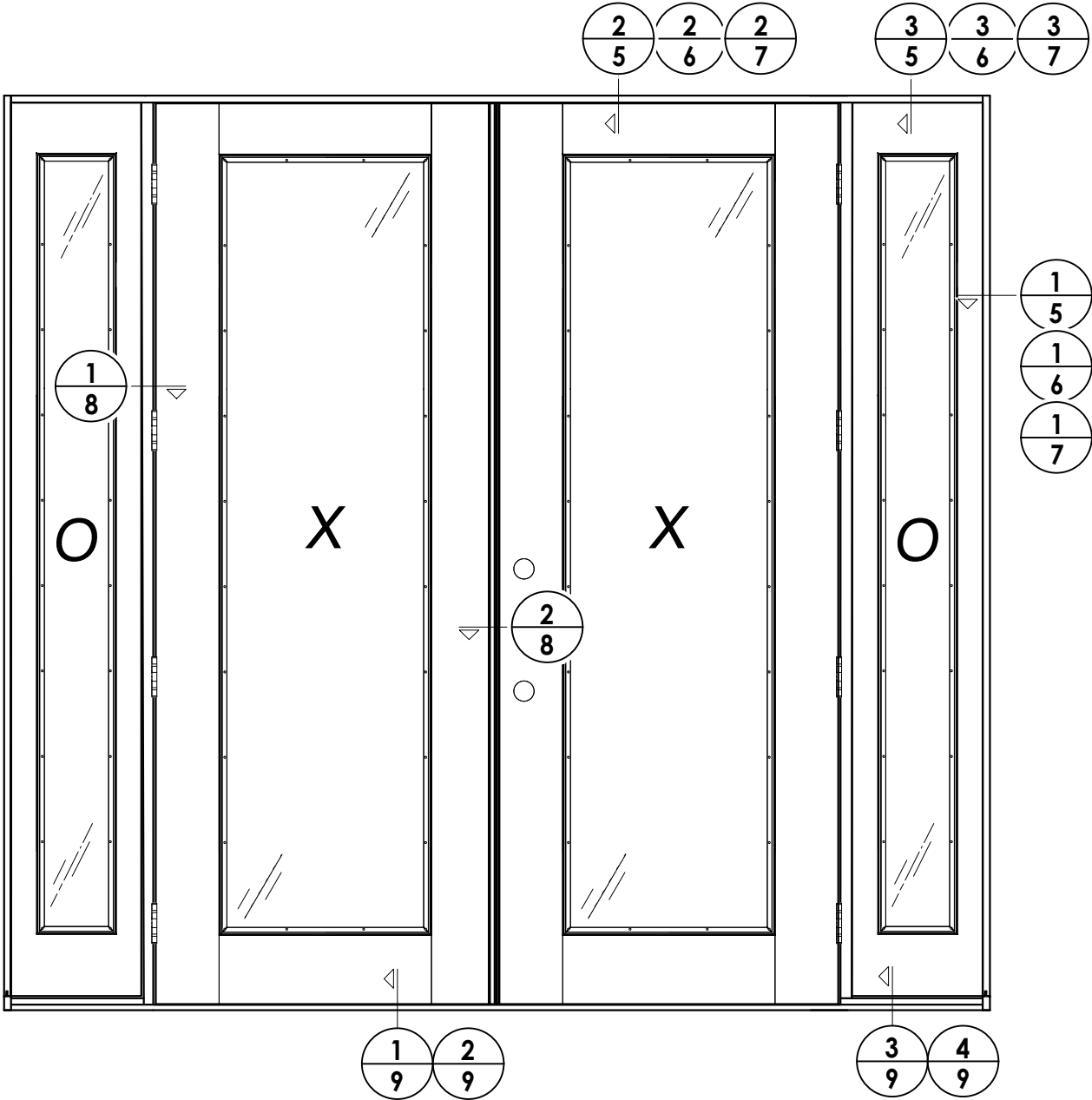
DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.:

FL-25575.12

SHEET 3 OF 13



DATE: 2/05/20
SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.: FL-25575.12
SHEET 4 OF 13

2	8/01/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
		& REVISE ENDURA ULT.	ASTRAGAL		
NO.	DATE			BY	
REVISIONS					

PRODUCT: TRINITY GLASS INT'L
PART OR ASSEMBLY: ELEVATIONS

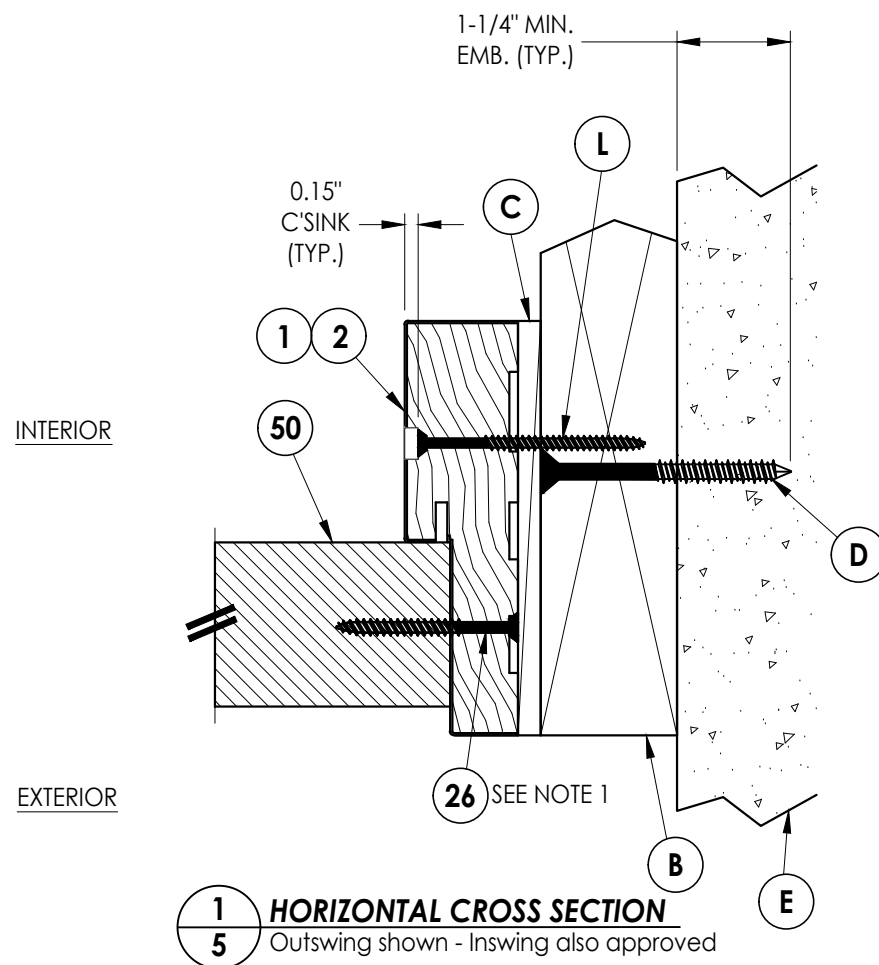
Documents Prepared By:
Lyndon F. Schmidt
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Technical drawing of a window assembly cross-section. The drawing shows the exterior (left) and interior (right) components. Key features include:

- Labels:** A, B, C, D, E, L, 1, 2.
- Dimensions:**
 - 1-1/4" MIN. (EMB. (TYP.))
 - 0.15" C/SINK (TYP.)
- Material Specifications:**
 - 50 EXTERIOR
 - INTERIOR

NOTE:

1. Item #26 located 6" from each end plus 2 more equally spaced (4 total).



1 **HORIZONTAL CROSS SECTION**
5 Outswing shown - Inswing also approved

[illegible]

A technical cross-section diagram of a window assembly. The diagram shows the exterior on the left and the interior on the right. Key components are labeled with circled letters and numbers:

- E**: Exterior glass pane.
- A**: Air gap between the exterior and interior panes.
- F**: A vertical fin or spacer separating the two panes.
- C**: Interior glass pane.
- 50**: A thick structural support or frame element on the exterior side.
- 1** and **2**: Two distinct layers or materials on the interior side of the main frame.

Dimensions and notes on the right side indicate a minimum thickness of **1-1/4" MIN.** and a typical embedding depth of **EMB. (TYP.)**.

1-1/4" MIN.
EMB. (TYP.)

1 2

50

26

SEE NOTE 1

INTERIOR

EXTERIOR

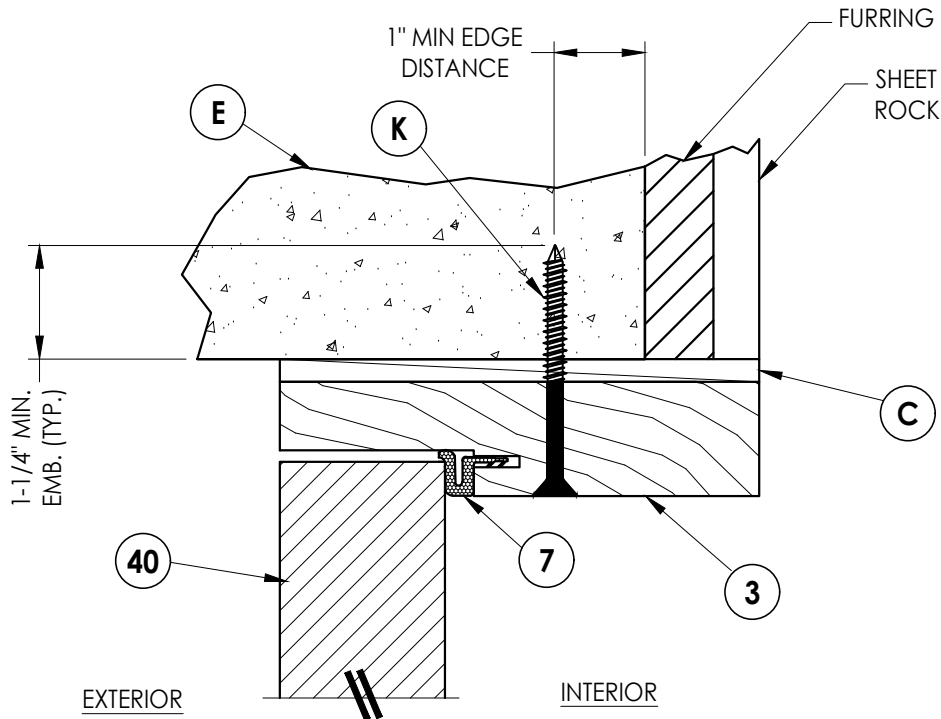
A

E

F

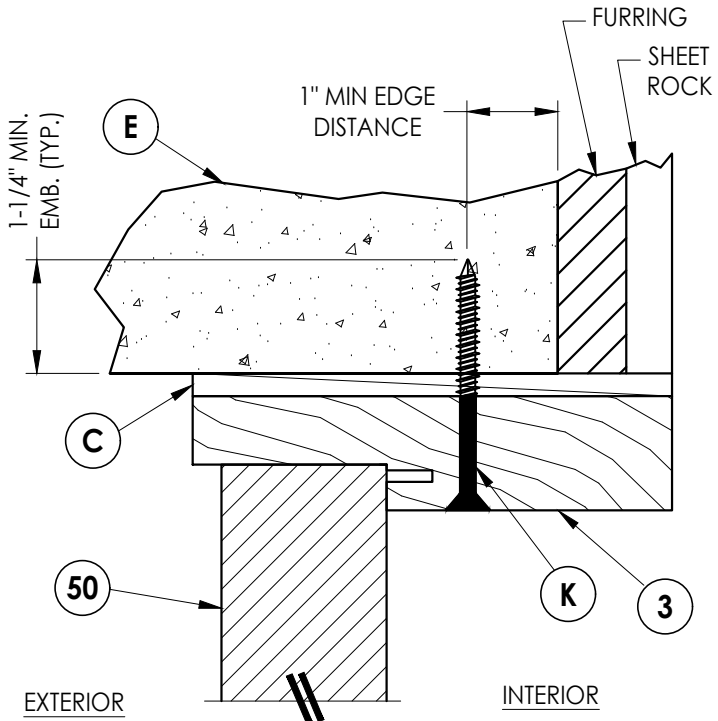
© 2020 R.W. BUILDING CONSULTANTS INC.

Z:\2023 FBC Drawings\Trinity Glass Int'l\FL-25575 R5\FL-25575.11-12.dwg

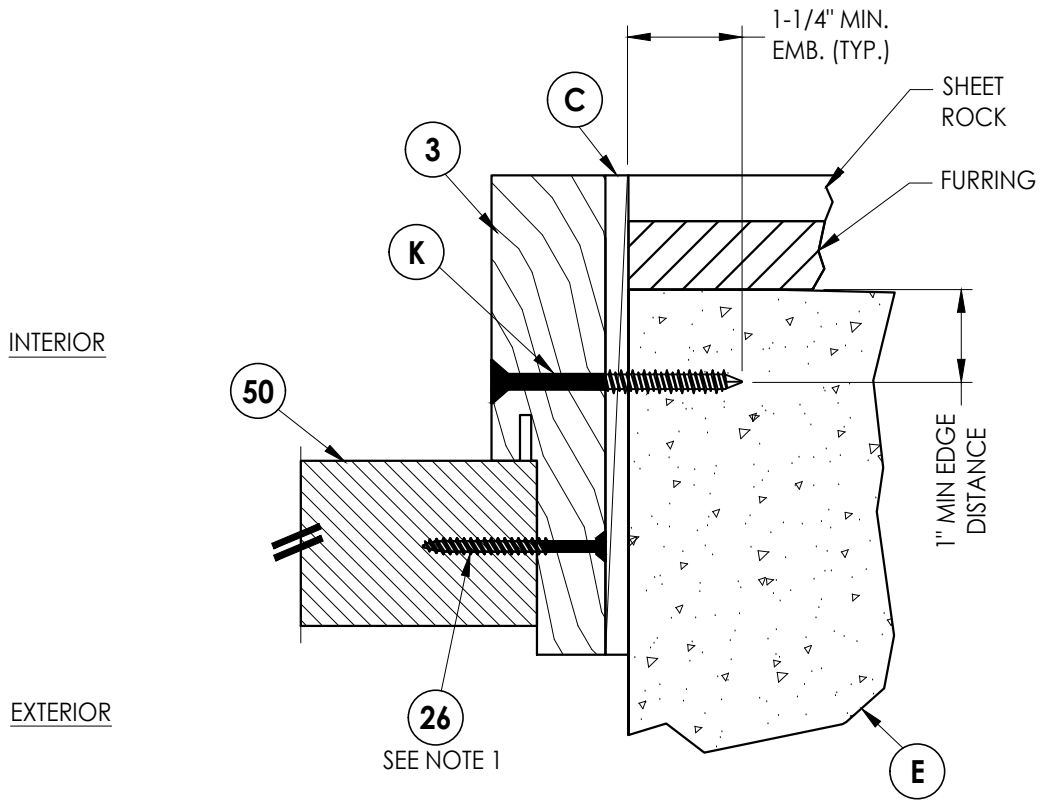


2 **VERTICAL CROSS SECTION**
7 Outswing only

NOTE:
1. Item #26 located 6" from each end
plus 2 more equally spaced (4 total).



3 **VERTICAL CROSS SECTION**
7 Outswing only



1 **HORIZONTAL CROSS SECTION**
7 Outswing only

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRINITY GLASS INT'L

NO.	DATE	REVISIONS
2	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
		& REVISE ENDURA ULT. ASTRAGAL

DATE: 2/05/20

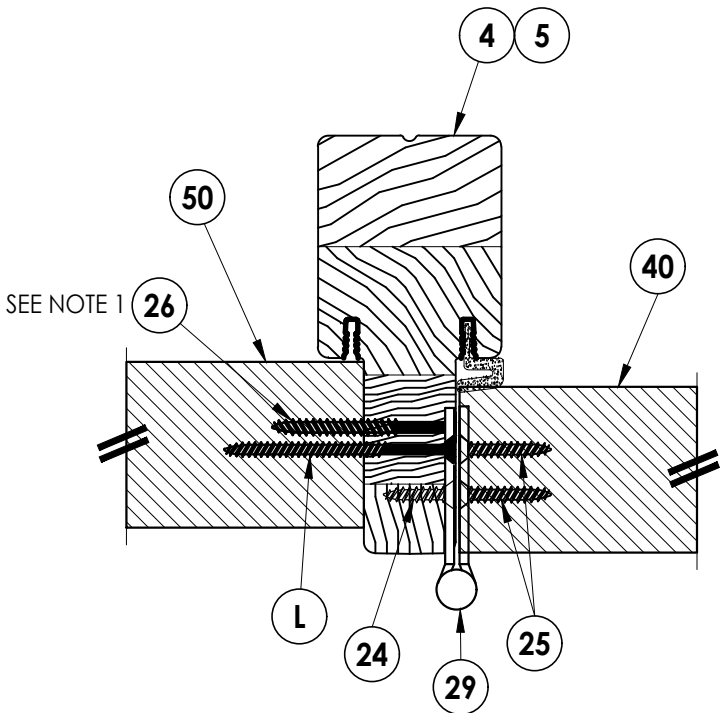
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DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.: FL-25575.12

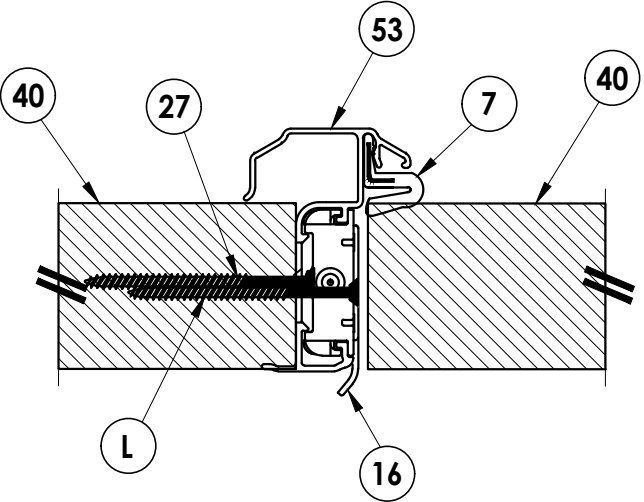
SHEET 7 OF 13



1 **HORIZONTAL CROSS SECTION**
8 Outswing shown - Inswing also approved

NOTE:

1. Item #26 located 6" from each end plus 2 more equally spaced (4 total).



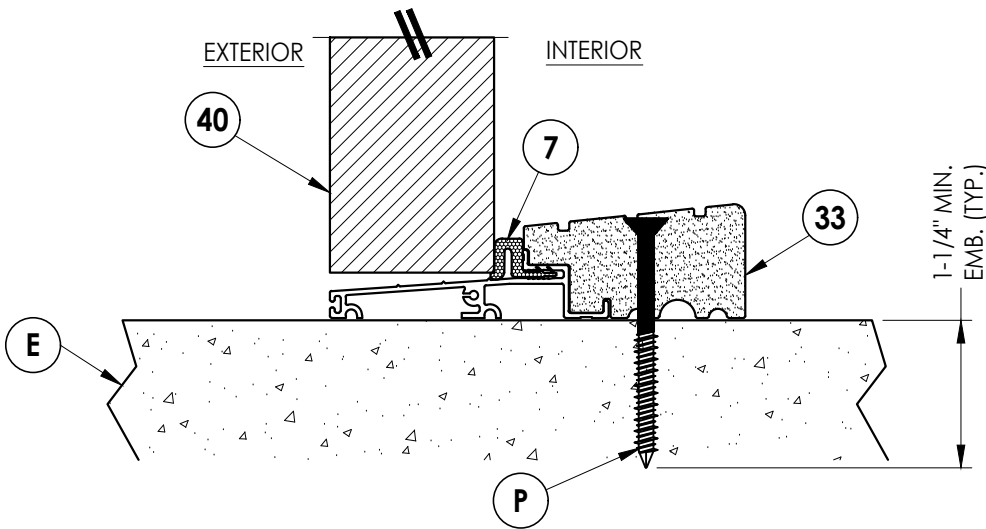
2 **HORIZONTAL CROSS SECTION**
8 Outswing shown - Inswing also approved

[illegible]

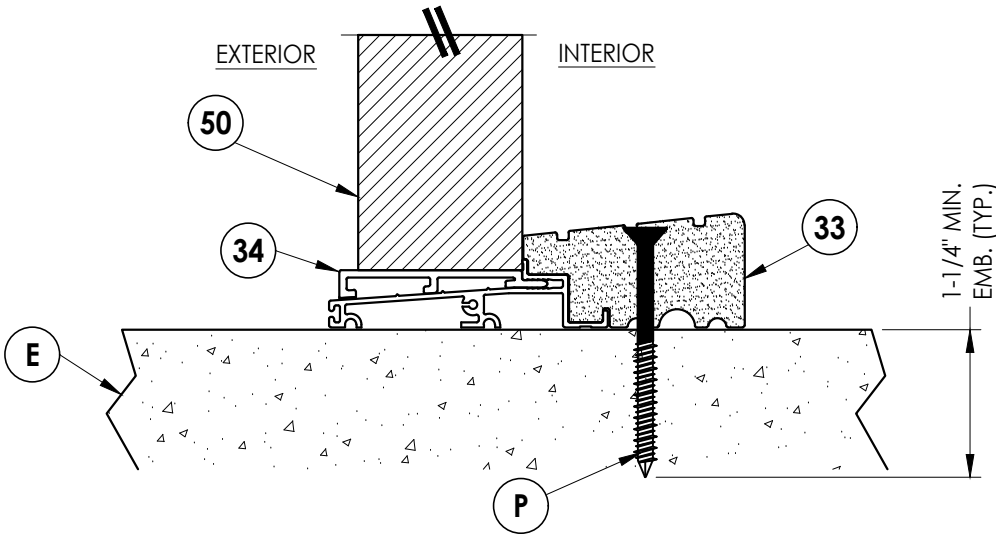
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

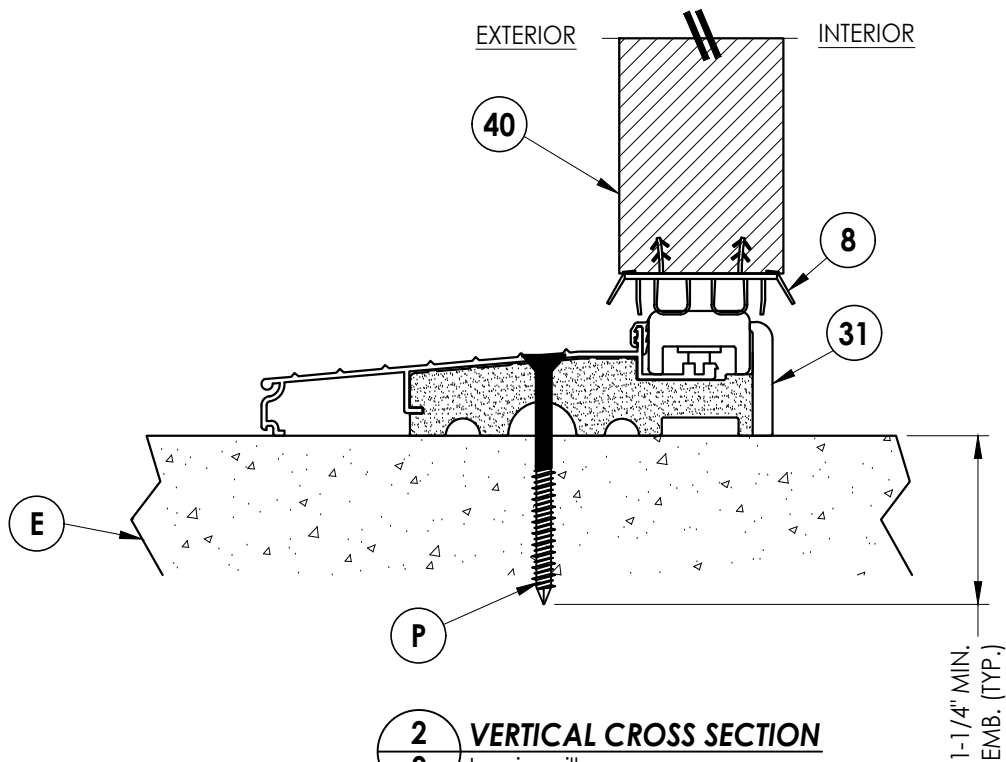
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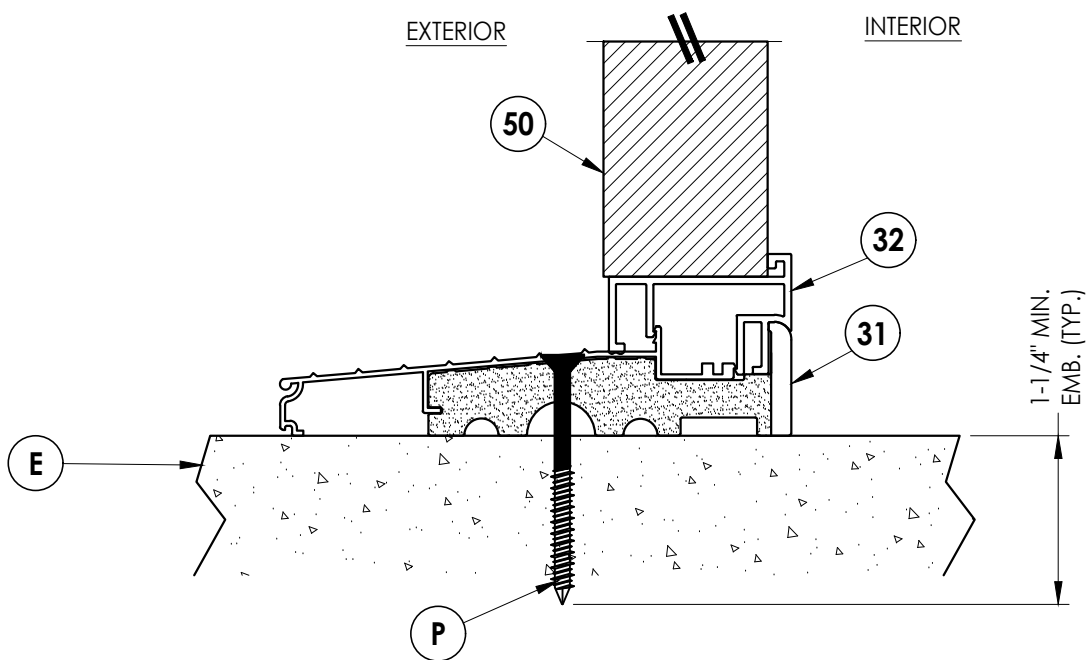
1
9 **VERTICAL CROSS SECTION**
Outswing sill - high dam



3
9 **VERTICAL CROSS SECTION**
Outswing sill - high dam



2
9 **VERTICAL CROSS SECTION**
Inswing sill



4
9 **VERTICAL CROSS SECTION**
Inswing sill

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

PRODUCT: TRINITY GLASS INT'L

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY
2	8/01/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	8/11/20	UPDATE TO 7th ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL	DAC

DATE: 2/05/20

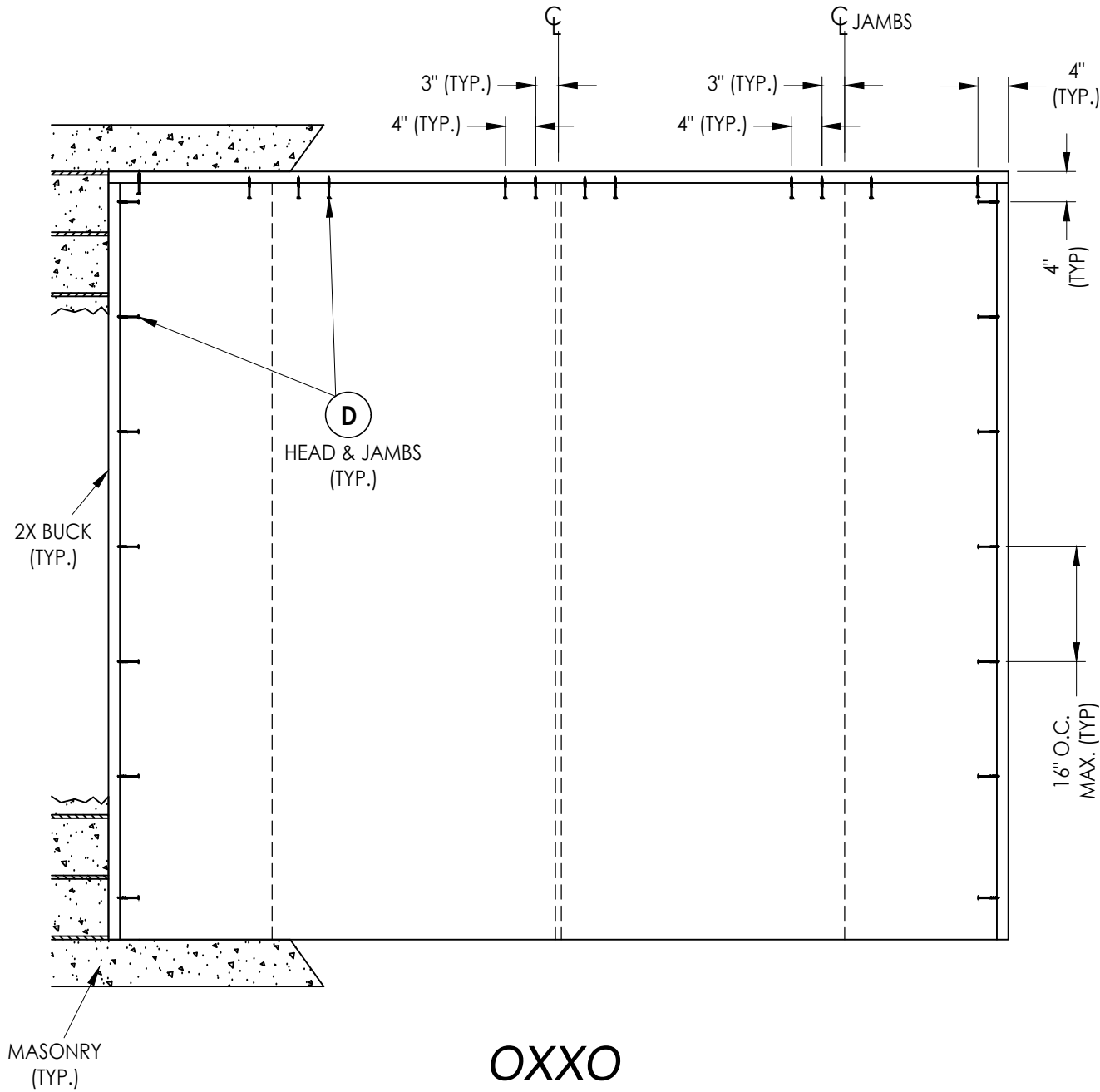
SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.: FL-25575.12

SHEET 9 OF 13



DATE:	2/05/20
SCALE:	N.T.S.
DWG. BY:	TRJ
CHK. BY:	LFS
DRAWING NO.:	FL-25575.12
SHEET	10 OF 13

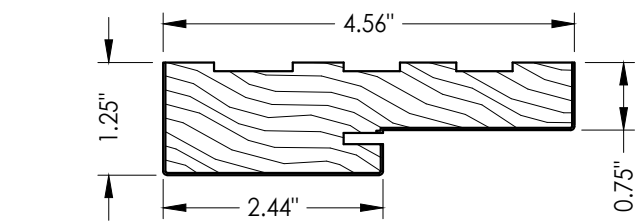
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1	8/11/20	UPDATE TO 7th ED. (2020)	FBC	DAC	
		& REVISE ENDURA ULT. ASTRAGAL			
NO.	DATE			BY	
REVISIONS					

PRODUCT:	TRINITY GLASS INT'L
PART OR ASSEMBLY:	BUCK ANCHORING

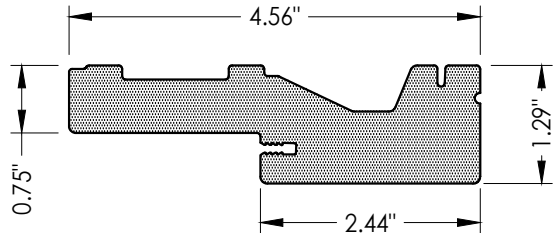
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

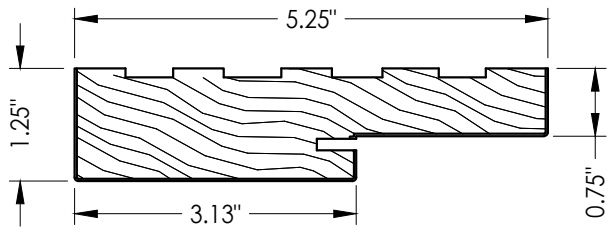
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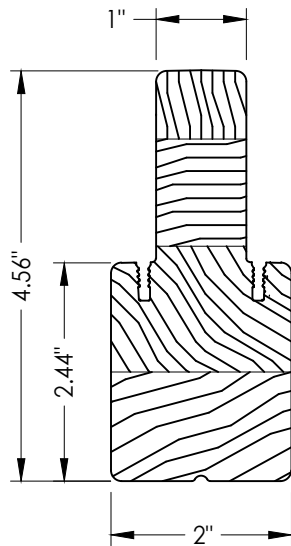
1 FINGER JOINT PINE JAMB



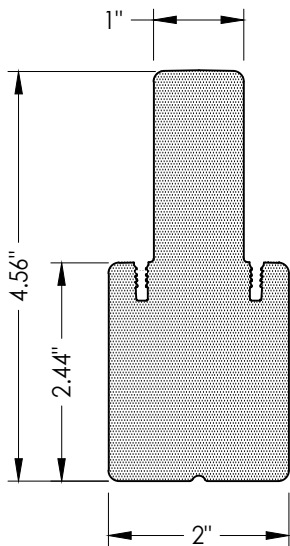
2 HEAD AND JAMBS
PVC



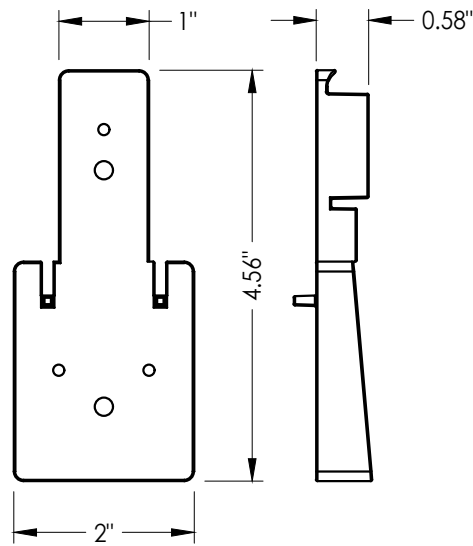
3 FINGER JOINT PINE JAMB



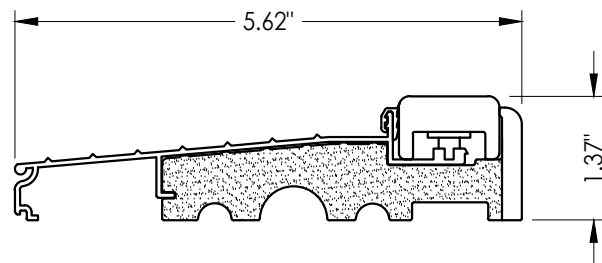
4 INTEGRAL MULLION
PINE



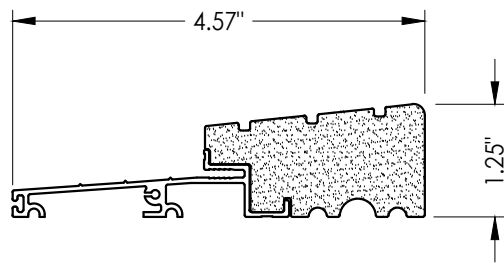
5 INTEGRAL MULLION
PVC



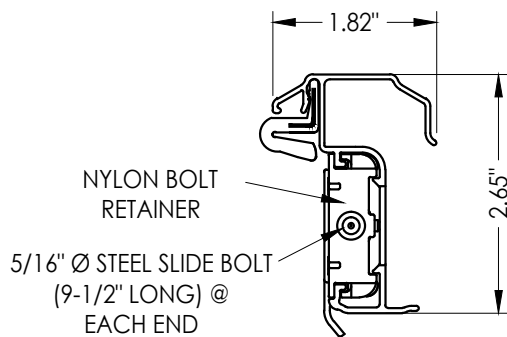
6 INTEGRAL MULLION BASE KIT
Optional



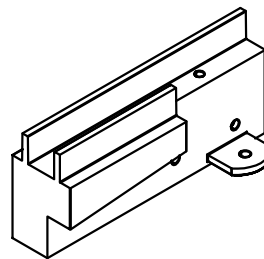
31 INSWING THRESHOLD



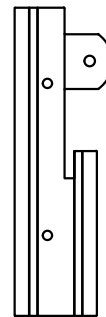
33 INSWING THRESHOLD
High-dam



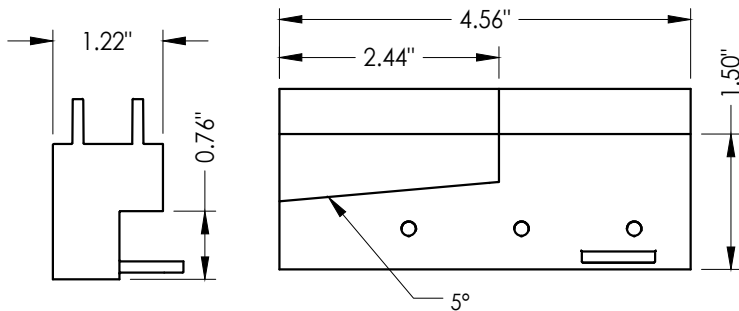
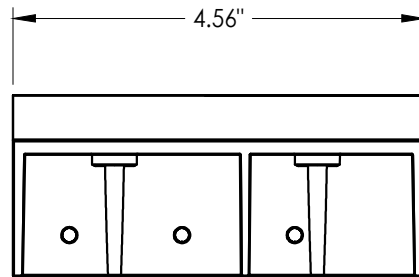
53 ULTIMATE HURRICANE ASTRAGAL
By Endura Products



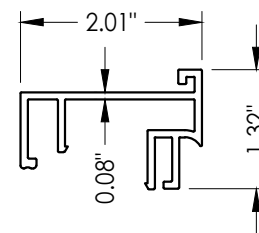
SILLKEY, LEFT



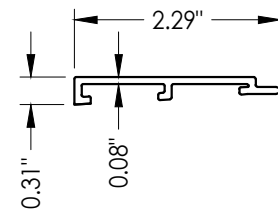
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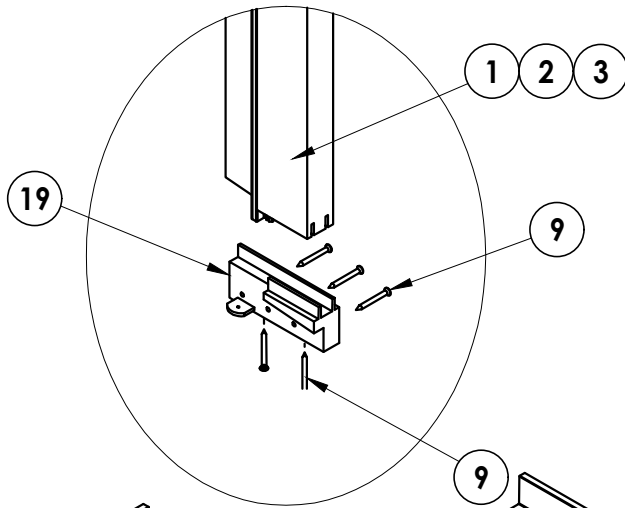
19 SILLKEY DETAILS
Optional



32 SIDELITE SPACER
Inswing



34 SIDELITE SPACER
Outswing



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

PRODUCT:
TRINITY GLASS INT'L

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
2	8/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/11/20	UPDATE TO 7th ED. (2020) FBC DAC
		& REVISE ENDURA ULT. ASTRAGAL

DATE: 2/05/20

SCALE: N.T.S.

DWG. BY: TRJ

CHK. BY: LFS

DRAWING NO.:

FL-25575.12

SHEET 12 OF 13

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 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	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
K	1/4" X 2-3/4" PFH DeWALT CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WS (1.15" MIN. EMBEDMENT)	STEEL
P	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	HEAD & JAMB (FINGER-JOINT PINE - SG >= 0.42)	WOOD
2	HEAD & JAMB	PVC
3	HEAD & JAMB (5.25") (FINGER-JOINT PINE - SG >= 0.42)	WOOD
4	INTEGRAL MULLION (PINE - SG >= 0.42)	WOOD
5	INTEGRAL MULLION (PVC)	PVC
6	INTEGRAL MULLION BASE KIT	PC/ASA
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	PVC
9	#6 X 1-1/4 PFH DRYWALL SCREW	STEEL
11	#9 X 2-1/4" PFH WOOD SCREW	STEEL
16	LATCH STRIKE PLATE	STEEL
17	DEADBOLT STRIKE PLATE	STEEL
19	SILLKEY	PC/ASA
24	#9 X 3/4" PFH WS	STEEL
25	#9 X 1" PFH WS	STEEL
26	#8 X 2" PFH WS	STEEL
27	#8 X 2-1/2" PFH WOOD SCREW	STEEL
28	#10 X 3" PFH WOOD SCREW	STEEL
29	4" X 4" HINGE	STEEL
31	INSWING THRESHOLD ALUMINUM w/ COMPOSITE SUBSTRATE	ALUM./ COMP.
32	SIDELITE SPACER - INSWING	PVC
33	OUTSWING HIGH-DAM THRESHOLD ALUMINUM w/ COMPOSITE SUBSTRATE	ALUM./ COMP.
34	SIDELITE SPACER - OUTSWING	PVC
40	DOOR PANEL - (LIGHTHOUSE)	-
50	SIDELITE PANEL	-
53	ALUMINUM ASTRAGAL	ALUM
54	ASTRAGAL STRIKE PLATE	STEEL

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 BUILDDEX TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRA CON®	1/4"	1-1/4"	1"	4"

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]