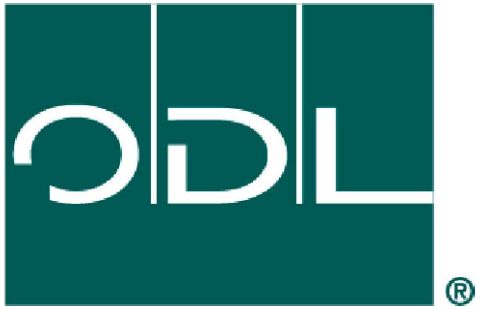




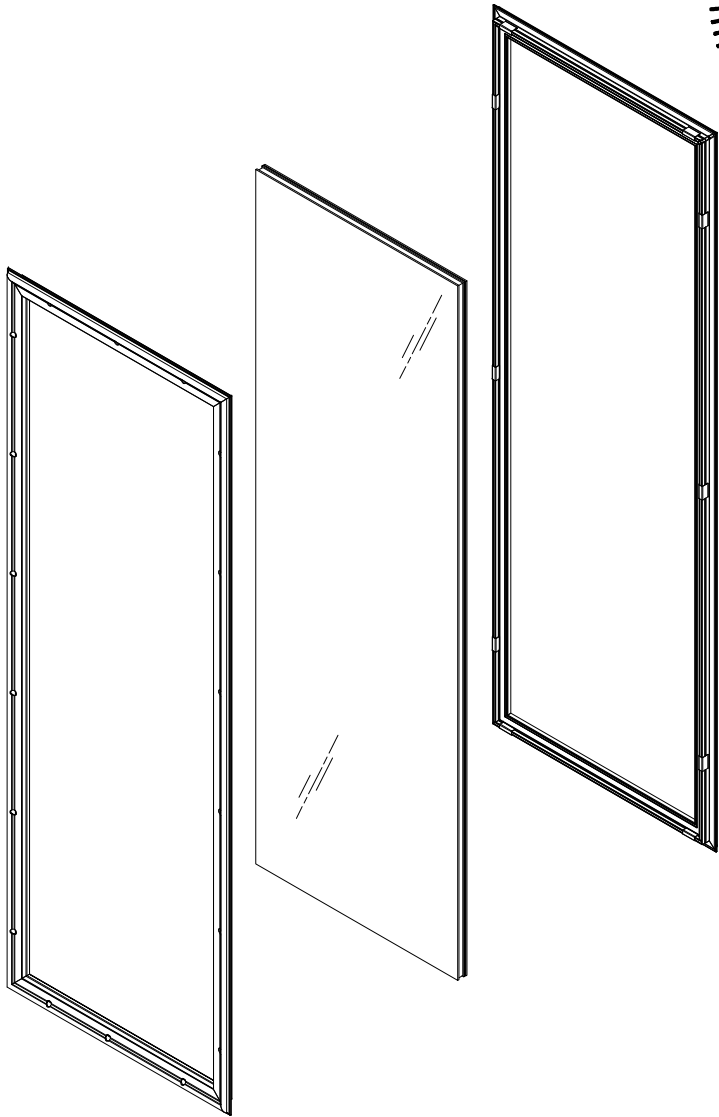
ODL, Inc.
"Impact Resistant"
Severe Weather® Doorglass

ASSEMBLY FOR GLAZING UP TO A
3'0 x 8'0 SINGLE PANEL

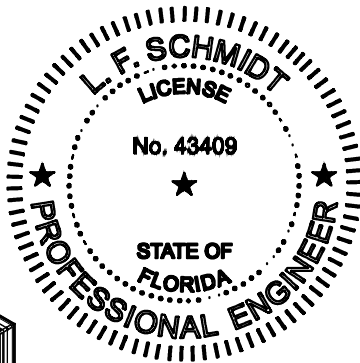
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the High Velocity Hurricane Zone (HVHZ).
2. When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
3. When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. This product meets the water infiltration requirements for "HVHZ".
5. This product is approved for use as a substitute doorglass assembly in conjunction with a glazed steel or fiberglass side hinged swing door and/or fixed sidelite possessing a comparable current Florida Statewide product approval.
6. The design pressure (DP) rating shall be the lesser of the DP rating shown in this approval or the DP rating shown in the glazed steel or fiberglass side hinged swing door or fixed sidelite approval being used.
7. The door panel and lite opening size shall not exceed the sizes shown in this approval or the glazed steel or fiberglass side hinged swing door or fixed sidelite approval being used.
8. This product has been tested in the door and/or sidelite panels as specified on Sheets 6, 7 & 8 of this approval. Substitution into a similar product may be approved for use by the local Authority Having Jurisdiction. In all cases, the glazed steel or fiberglass door and/or sidelite used must possess a comparable current Florida Statewide product approval.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures and general notes
2	Cross sections & bill of materials "Traditional" Profile
3	Cross sections & bill of materials "Flat Frame" Profile
4	Glazing details
5	Glazing details
6	Door panel details
7	Door panel details
8	Door panel details

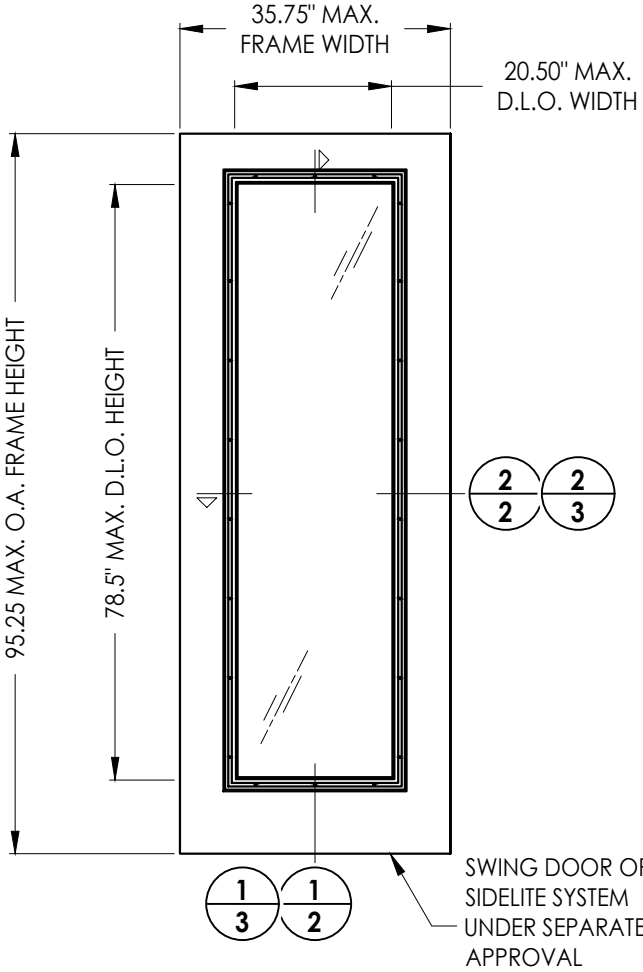


LIGHT DETAIL



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



MAX. DESIGN PRESSURE RATING (PSF)			
GLAZING TYPE	PROFILE	POSITIVE	NEGATIVE
1\" INSULATED LAMINATED GLASS	"TRADITIONAL"	+80.0	-80.0
1-1/4\" INSULATED LAMINATED GLASS	"TRADITIONAL"	+80.0	-80.0
1\" INSULATED LAMINATED GLASS	"FLAT FRAME"	+66.0	-66.0
1-1/4\" INSULATED LAMINATED GLASS	"FLAT FRAME"	+66.0	-66.0

REFER TO DOOR PANEL DETAILS (SHEETS 6, 7 & 8) FOR SPECIFIC DESIGN PRESSURE RATINGS

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

PRODUCT: ODL LITE FRAME

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

REVISIONS

DATE: 10/25/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

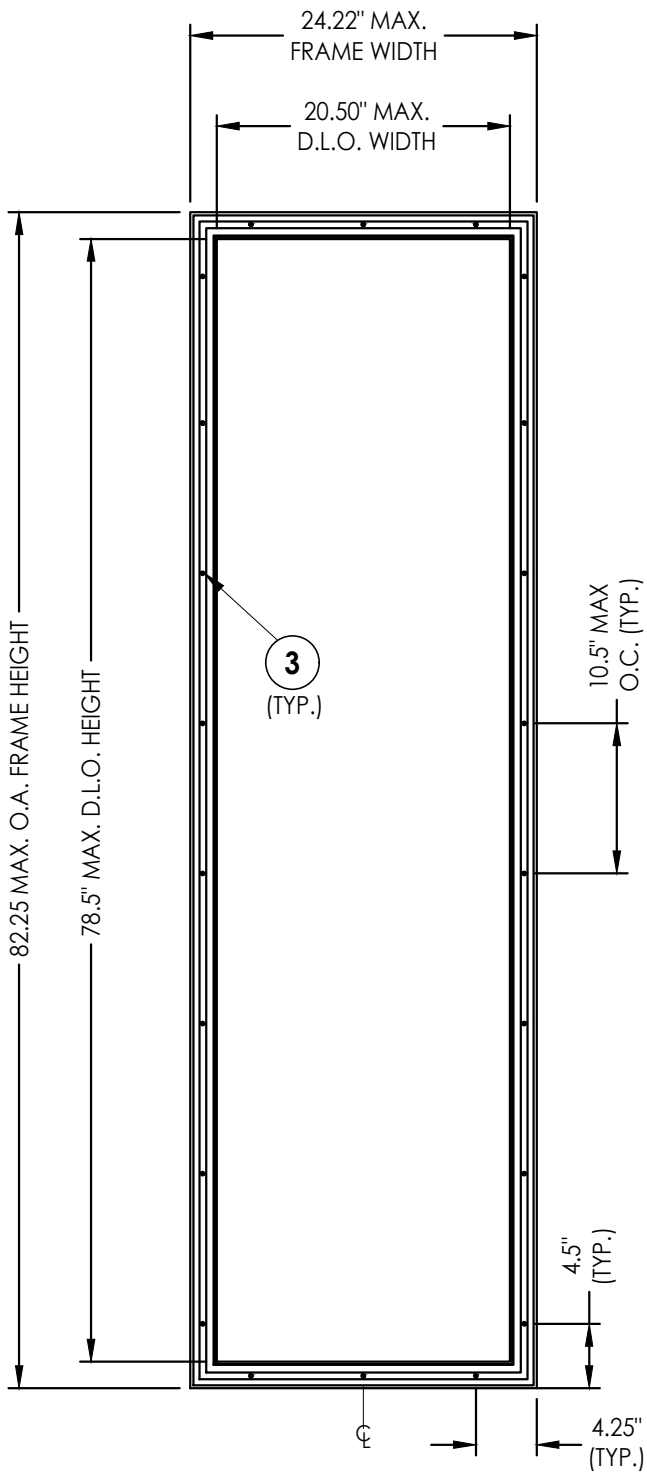
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SHEET 1 OF 8

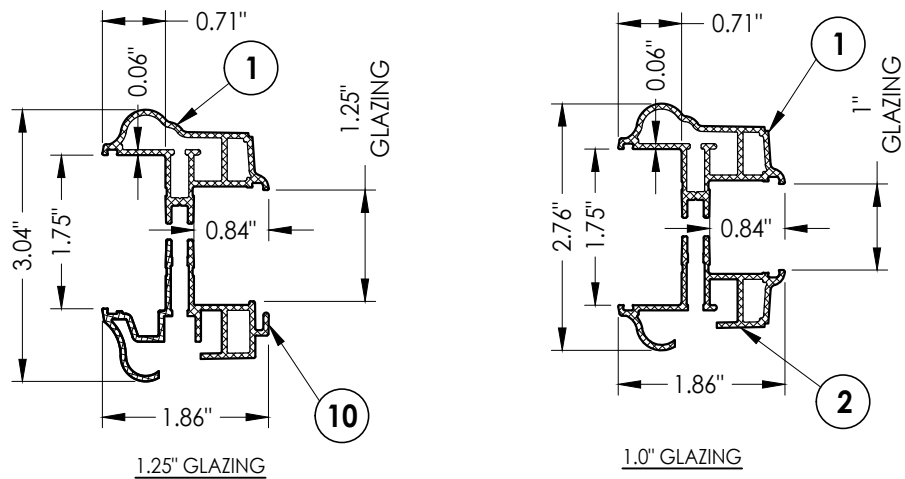
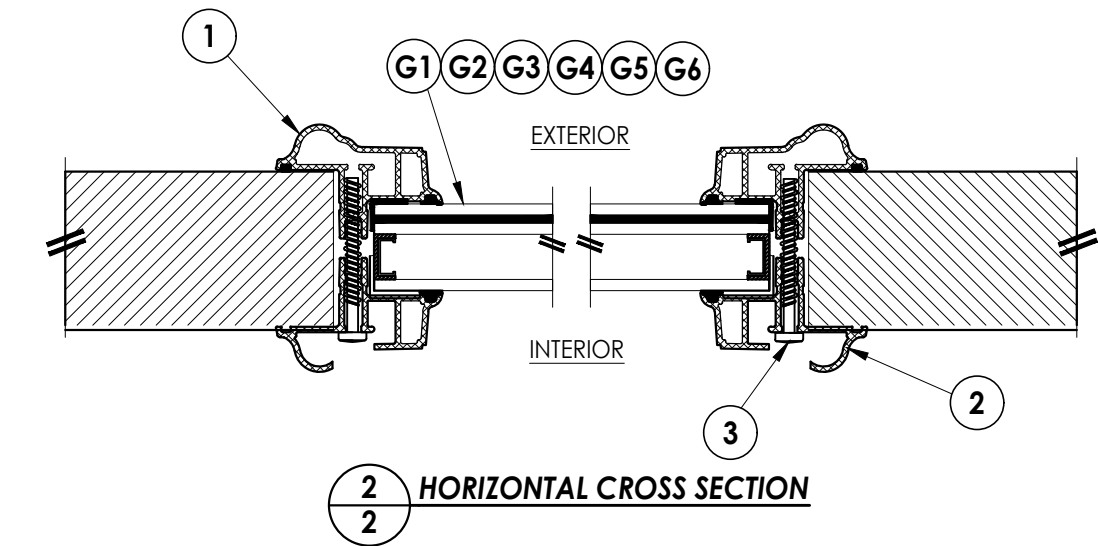
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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ODL LITE FRAME DETAIL
"Traditional" Profile

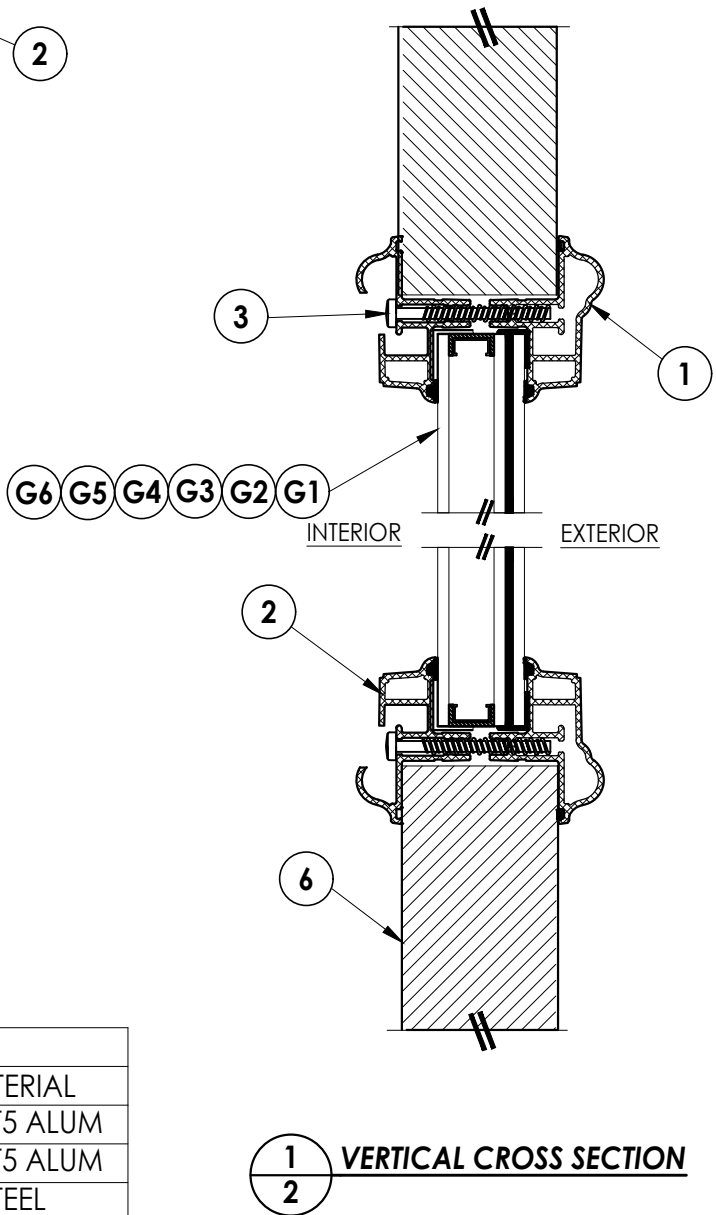


ODL LITE FRAME CROSS SECTIONS

"Traditional" Profile
(See Sheet 5 for operable & fixed blind cross sections)

BILL OF MATERIALS

ITEM#	DESCRIPTION	MATERIAL
1	EXTERIOR FRAME (TRADITIONAL 1" OR 1-1/4" GLAZING)	6063-T5 ALUM
2	INTERIOR FRAME (TRADITIONAL 1" GLAZING)	6063-T5 ALUM
3	#7-19 X 1-3/4" PPH SELF-DRILLING SMS	STEEL
6	DOOR OR SIDELITE PANEL	-
7	DOW 995 STRUCTURAL SILICONE	SILICONE
8	NON-STRUCTURAL BACK BEDDING SEALANT (READI-SEAL)	-
9	POLYOLEFIN FOAM TAPE (0.3" X 0.10")	-
10	INTERIOR FRAME (TRADITIONAL 1-1/4" GLAZING)	6063-T5 ALUM



Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: ODL LITE FRAME

PART OR ASSEMBLY:
CROSS SECTIONS & B.O.M.
"TRADITIONAL" PROFILE

						REVISIONS	
						NO.	DATE
8	7/01/23	UPDATE TO 8TH ED. (2023) FBC	LFS				
7	8/29/17	UPDATE TO 7TH ED. (2020) FBC	LFS				
6	12/12/19	REVISE "FLAT FRAME" GLAZING	LFS				
5	1/11/18	ADD "FLAT FRAME" PROFILE	LFS				

DATE: 10/25/11

SCALE: N.T.S.

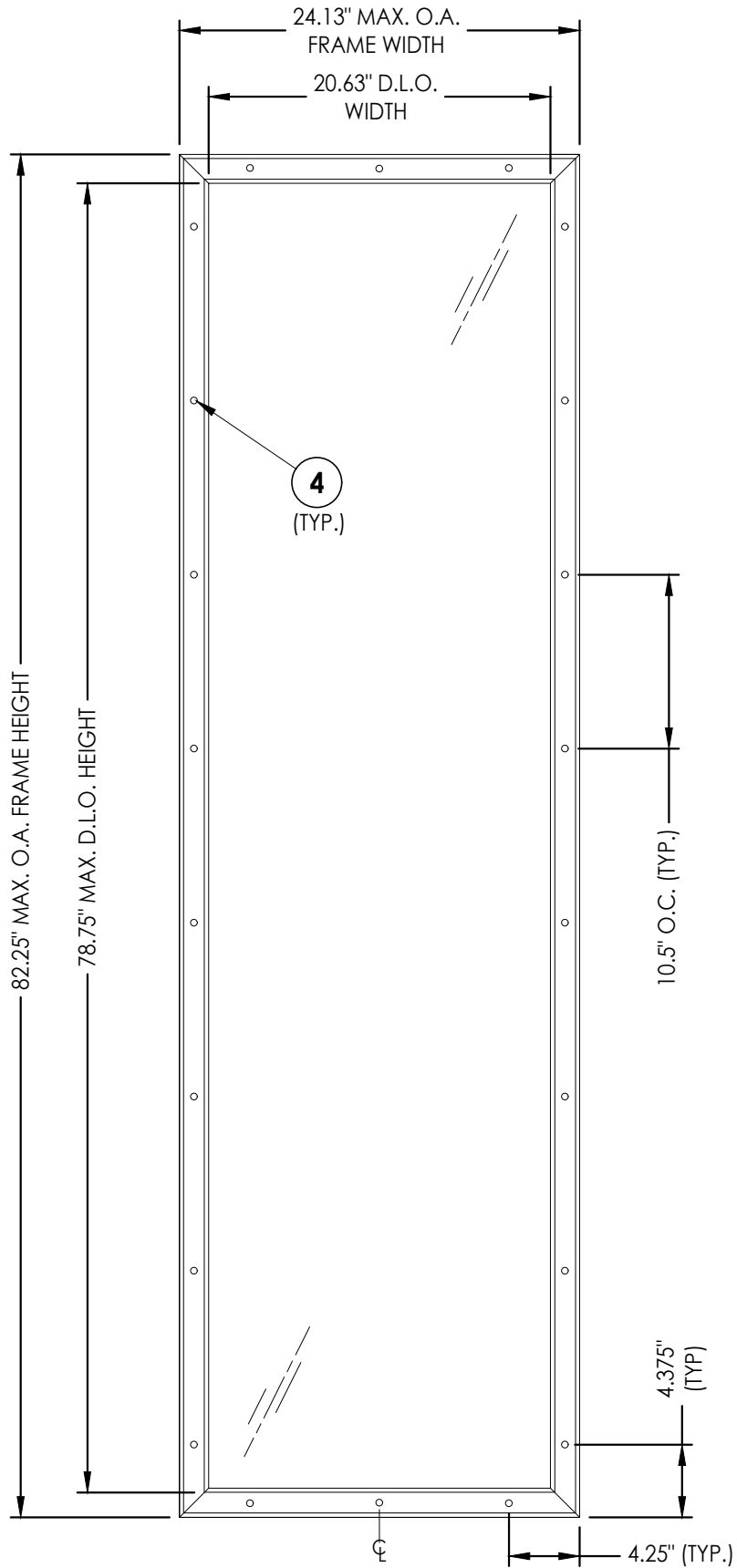
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CHK. BY: LFS

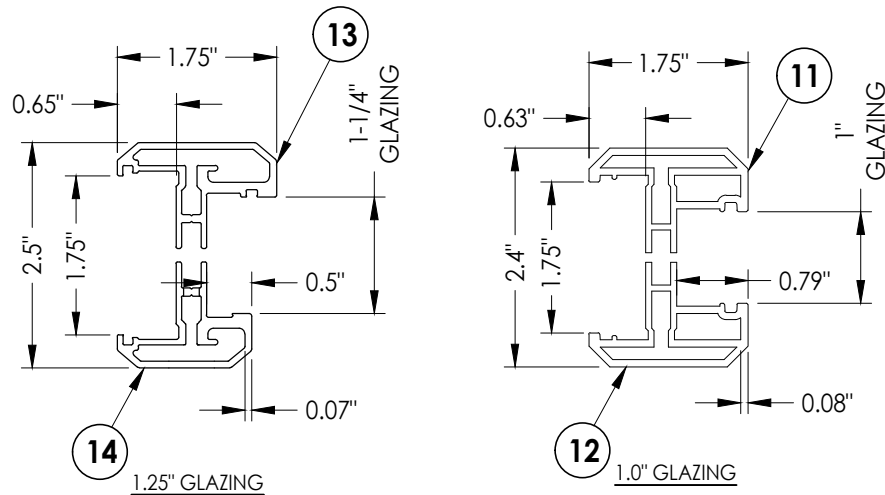
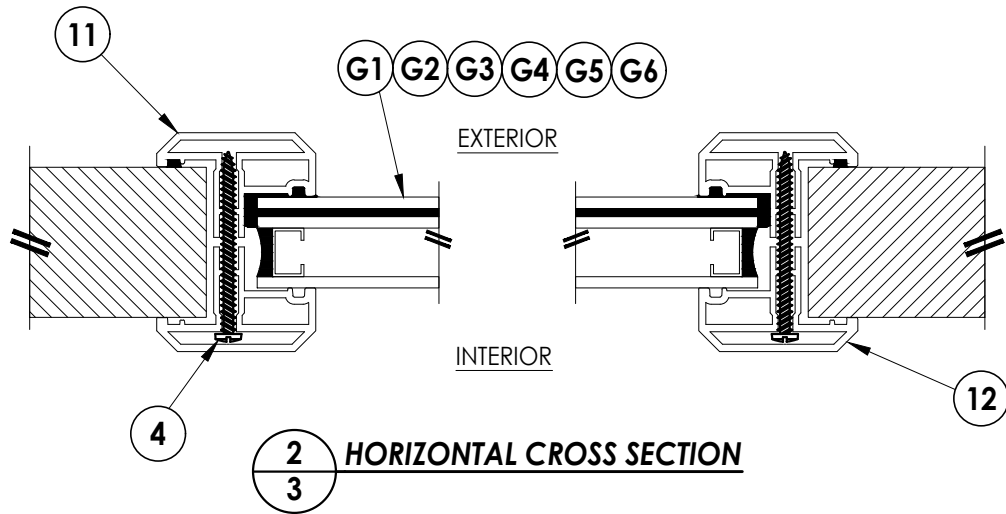
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FL-14935.4

SHEET 2 OF 8

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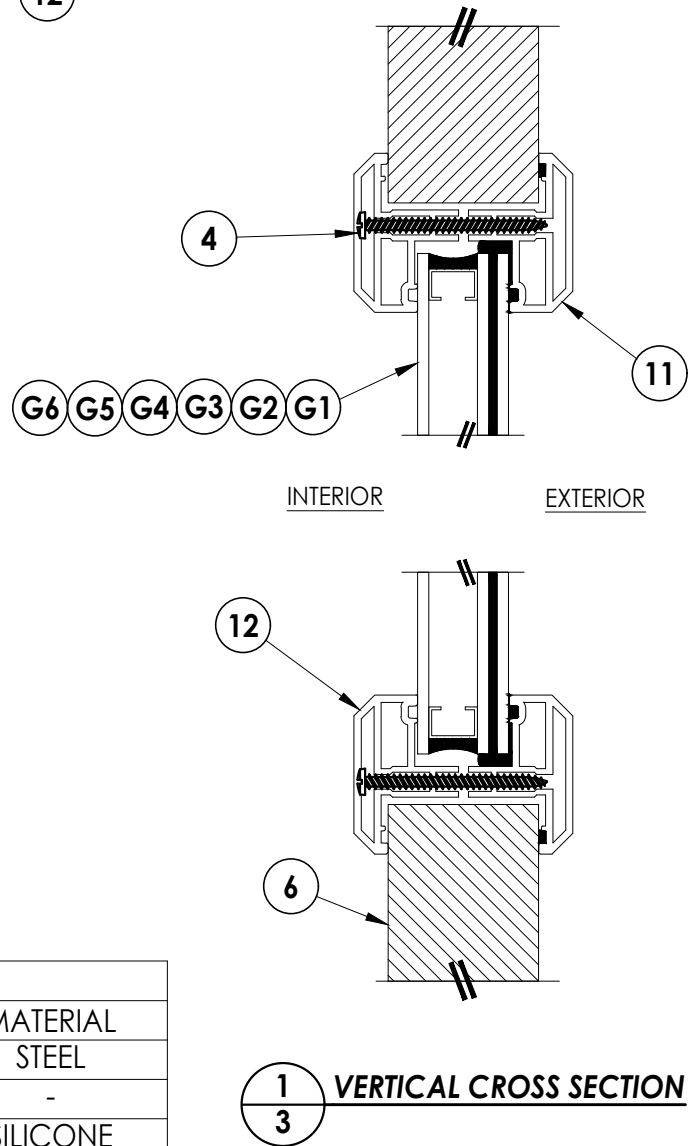


ODL LITE FRAME DETAIL
"Flat Frame" Profile



ODL LITE FRAME CROSS SECTIONS
"Flat Frame" Profile
(See Sheet 5 for operable & fixed blind cross sections)

BILL OF MATERIALS		
ITEM#	DESCRIPTION	MATERIAL
4	#8 X 2" PPH SMS	STEEL
6	DOOR OR SIDELITE PANEL	-
7	DOW 995 STRUCTURAL SILICONE	SILICONE
8	NON-STRUCTURAL BACK BEDDING SEALANT (READI-SEAL)	-
11	EXTERIOR FRAME (FLAT 1" GLAZING)	6063-T5 ALUM
12	INTERIOR FRAME (FLAT 1" GLAZING)	6063-T5 ALUM
13	EXTERIOR FRAME (FLAT 1-1/4" GLAZING)	6063-T5 ALUM
14	INTERIOR FRAME (FLAT 1-1/4" GLAZING)	6063-T5 ALUM



Documents Prepared By:
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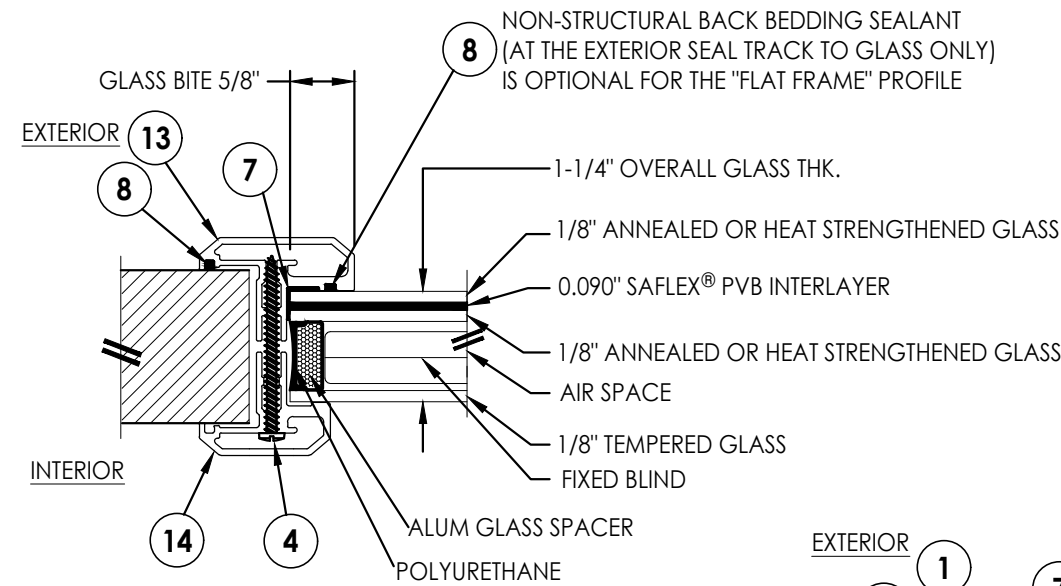
PRODUCT: ODL LITE FRAME

PART OR ASSEMBLY:
CROSS SECTIONS & B.O.M.
"FLAT FRAME" PROFILE

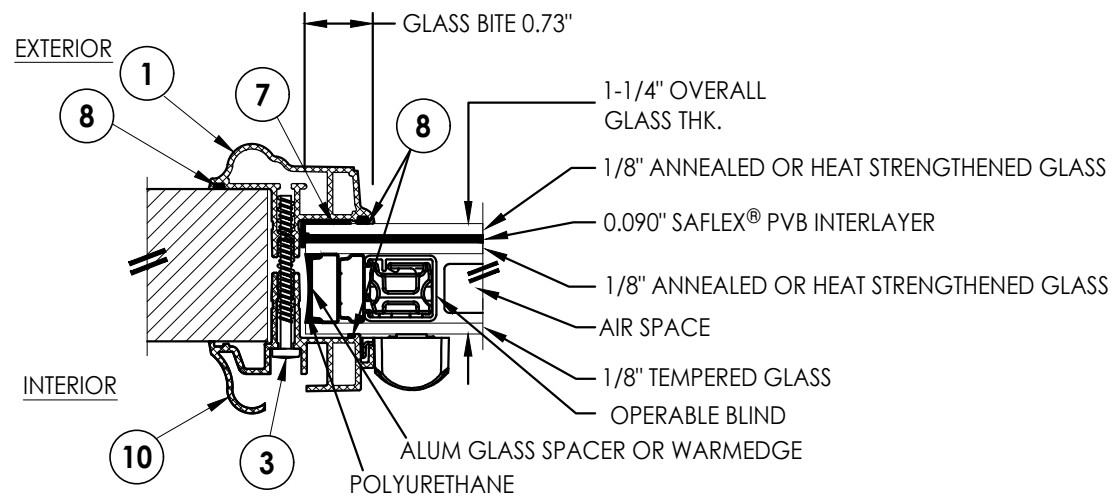
NO.	DATE	REVISIONS	
		BY	
8	7/01/23	UPDATE TO 8TH ED. (2023)	FBC
7	8/29/17	UPDATE TO 7TH ED. (2020)	FBC
6	12/12/19	REVISE "FLAT FRAME" GLAZING	LFS
5	1/11/18	ADD "FLAT FRAME" PROFILE	LFS

DATE: 10/25/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14935.4
SHEET 3 OF 8

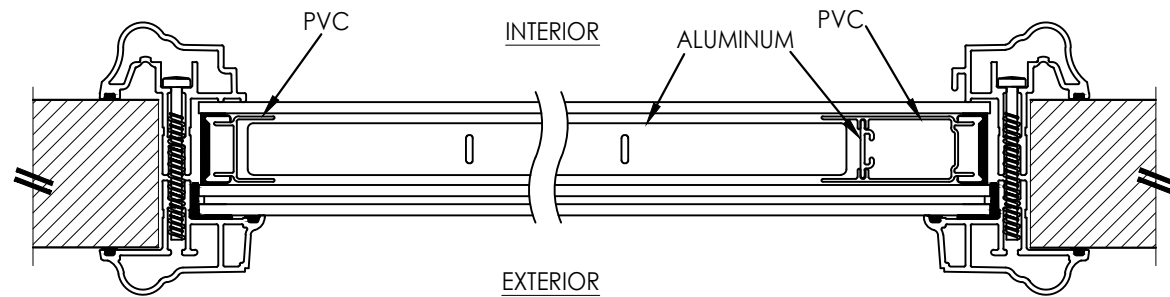
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G5 GLAZING DETAIL
ALUM SPACER w/ FIXED BLIND



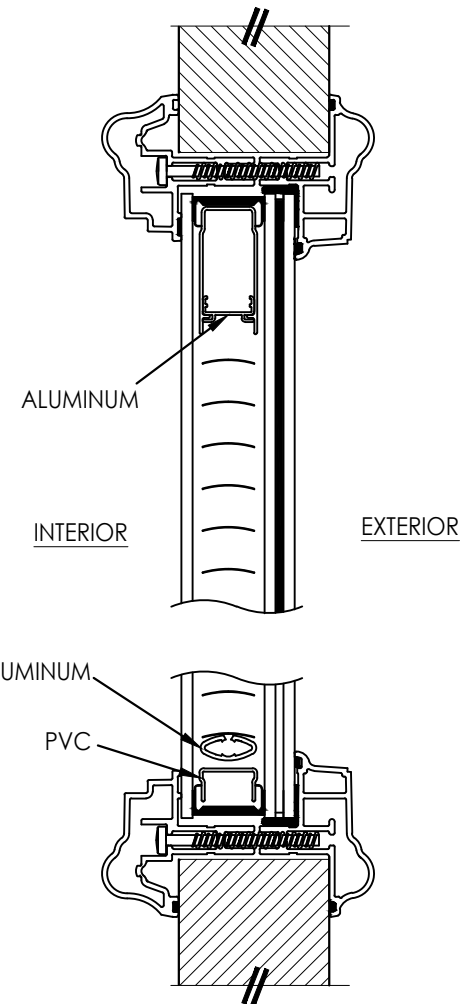
G6 GLAZING DETAIL
ALUM SPACER w/ OPERABLE BLIND



HORIZONTAL CROSS SECTION
WARMEDGE OPERABLE BLIND

NOTE: Fixed blind not shown

NOTE: GLAZING DETAILS G5 & G6 ARE APPLICABLE FOR BOTH THE "TRADITIONAL" & "FLAT FRAME" PROFILES.



VERTICAL CROSS SECTION
WARMEDGE OPERABLE BLIND

Documents Prepared By:
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PRODUCT:

ODL LITE FRAME

PART OR ASSEMBLY:

GLAZING DETAILS

NO.	DATE	REVISIONS	BY
8	7/01/23	UPDATE TO 8TH ED. (2023) FBC LFS	
7	8/29/17	UPDATE TO 7TH ED. (2020) FBC LFS	
6	12/12/19	REVISE "FLAT FRAME" GLAZING LFS	
5	1/11/18	ADD "FLAT FRAME" PROFILE LFS	

DATE: 10/25/11

SCALE: N.T.S.

DWG. BY: JK

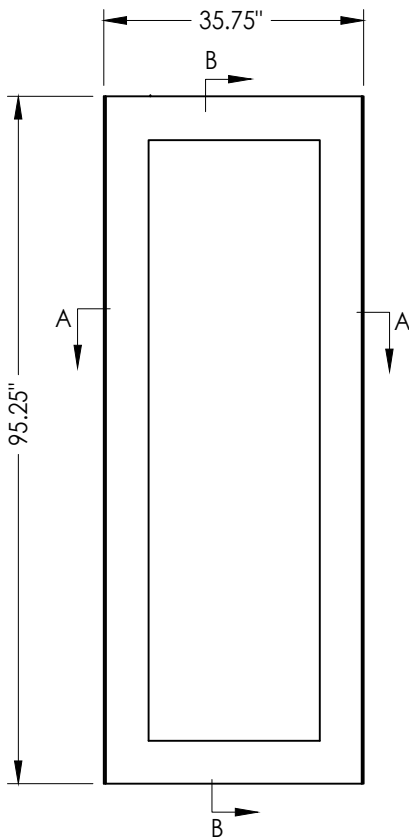
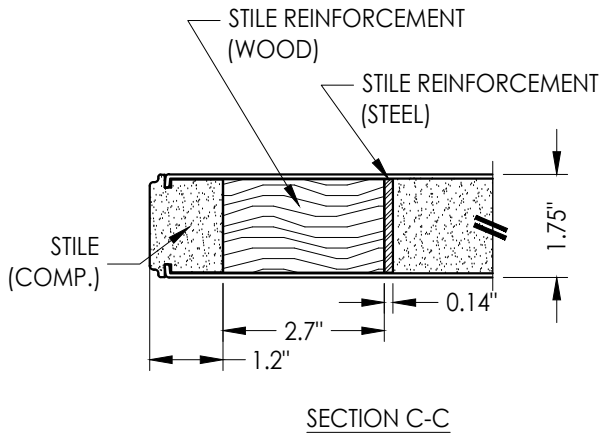
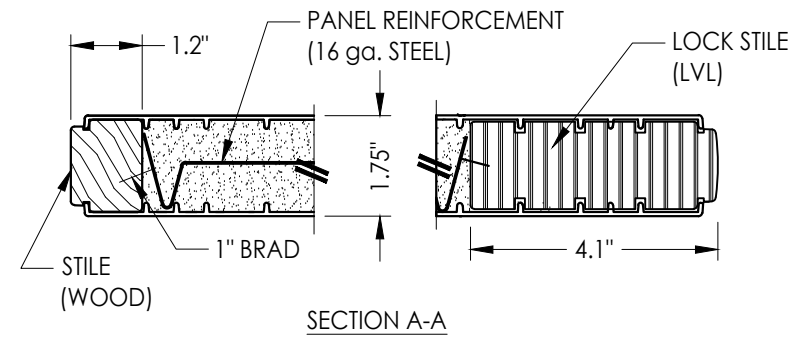
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DRAWING NO.:

FL-14935.4

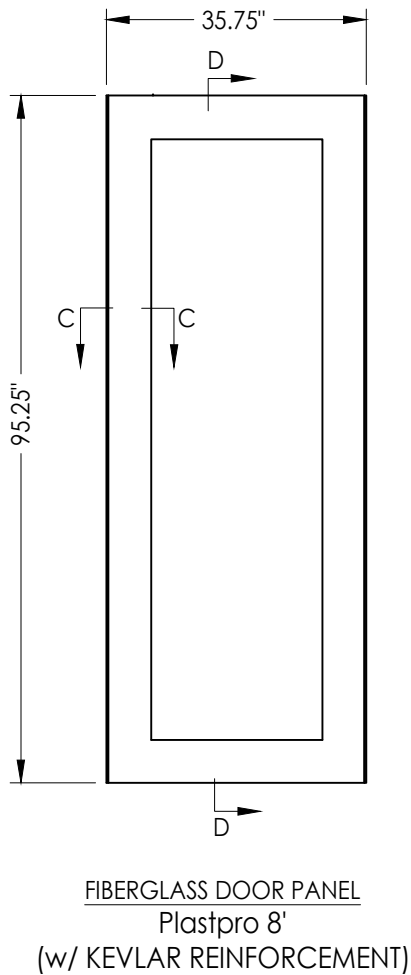
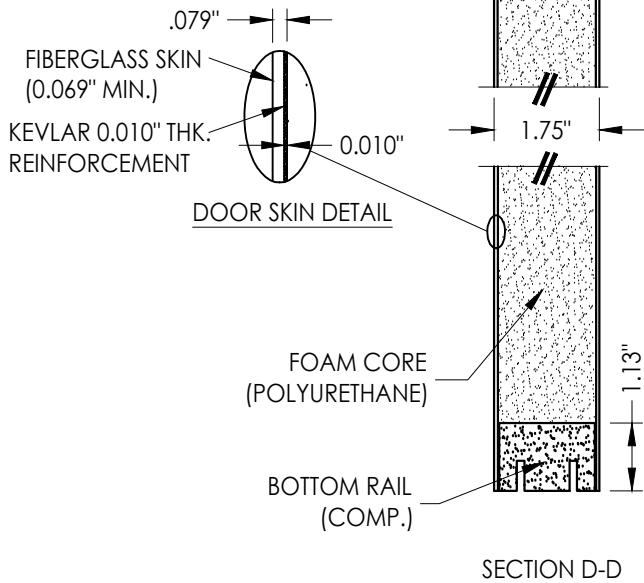
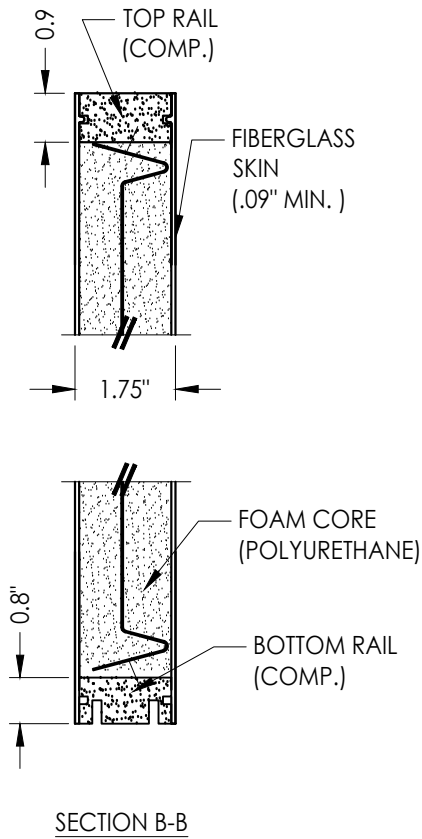
SHEET 5 OF 8

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FIBERGLASS DOOR PANEL
Therma Tru 8'

MAX. D.P = ± 80 PSF



MAX. D.P = ± 80 PSF

NOTE: SEE GENERAL NOTE 6, SHEET 1 FOR DESIGN
PRESSURE LIMITATIONS

Documents Prepared By:

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:

ODL LITE FRAME

PART OR ASSEMBLY:

DOOR PANELS DETAILS

NO.	DATE	REVISIONS			
		BY	DATE	DESCRIPTION	APPROVED
8	7/01/23	LFS		UPDATE TO 8TH ED. (2023) FBC	
7	8/29/17	LFS		UPDATE TO 7TH ED. (2020) FBC	
6	12/12/19	LFS		REVISE "FLAT FRAME" GLAZING	
5	1/11/18	LFS		ADD "FLAT FRAME" PROFILE	

DATE: 10/25/11

SCALE: N.T.S.

DWG. BY: JK

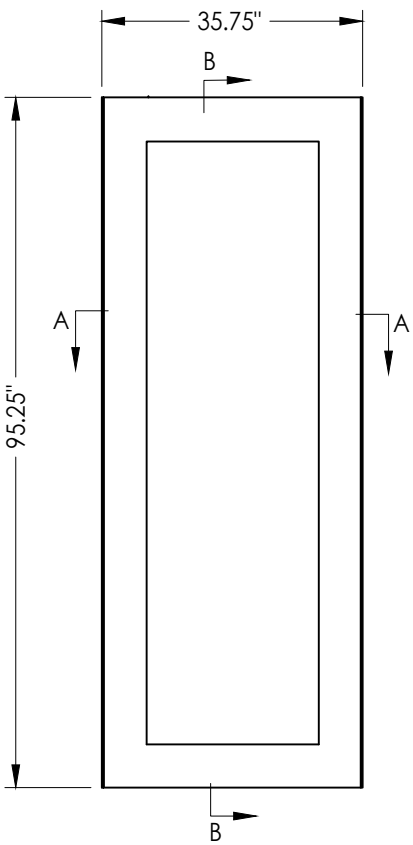
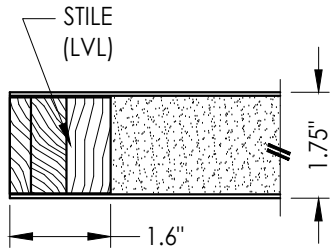
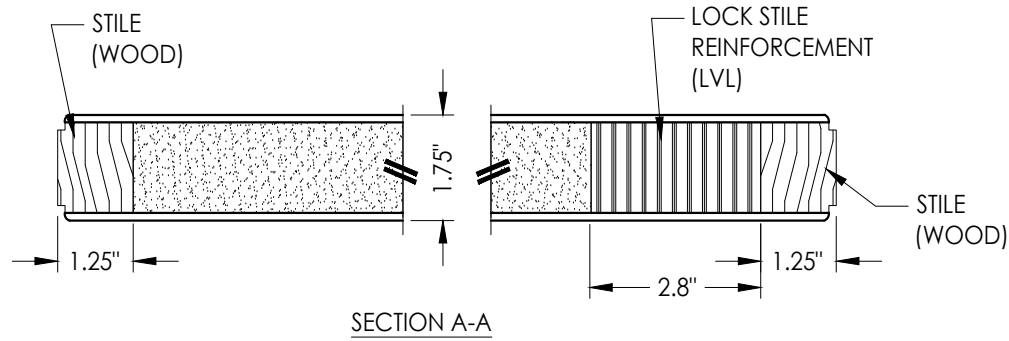
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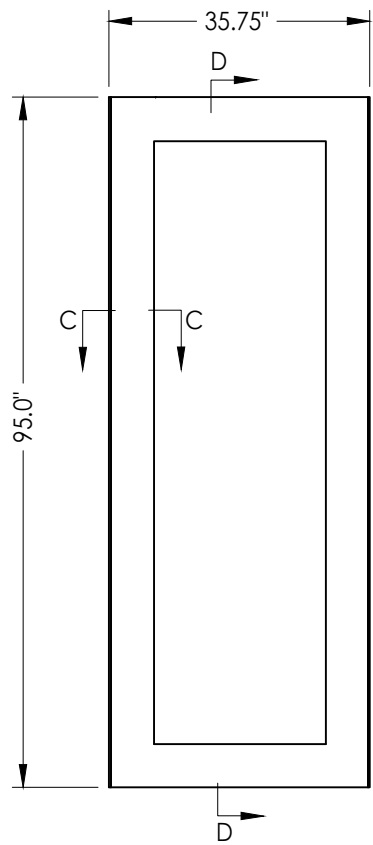
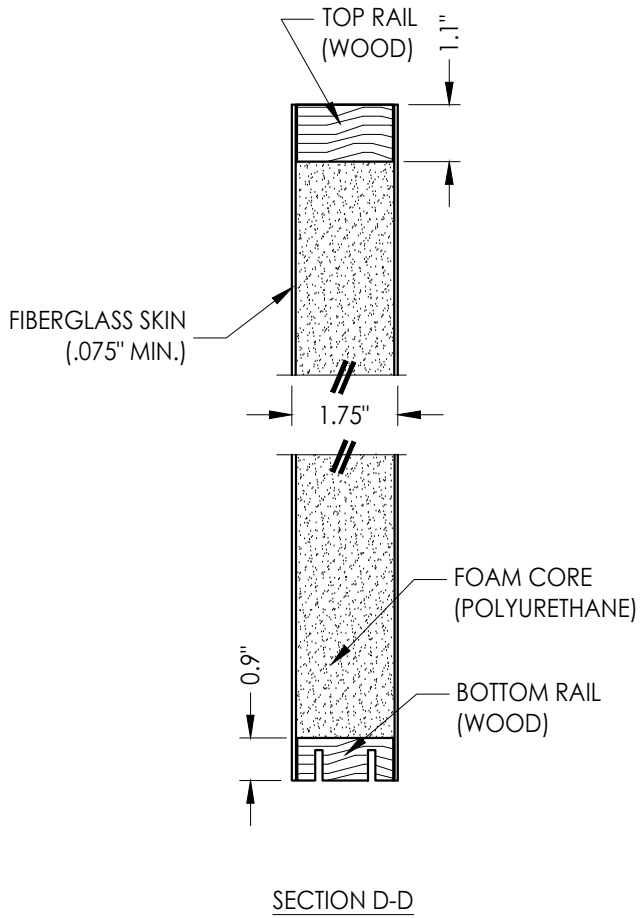
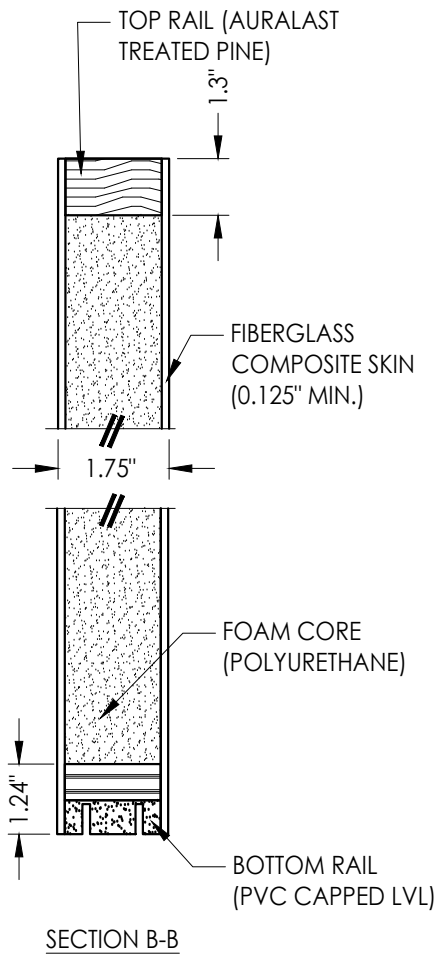
FL-14935.4

SHEET 6 OF 8

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MAX. D.P = ± 66 PSF



MAX. D.P = ± 65 PSF

NOTE: SEE GENERAL NOTE 6, SHEET 1 FOR DESIGN
PRESSURE LIMITATIONS

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

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

PRODUCT:

ODL LITE FRAME

PART OR ASSEMBLY:

DOOR PANELS DETAILS

NO.	DATE	REVISIONS
8	7/01/23	UPDATE TO 8TH ED. (2023) FBC LFS
7	8/29/17	UPDATE TO 7TH ED. (2020) FBC LFS
6	12/12/19	REVISE "FLAT FRAME" GLAZING LFS
5	1/11/18	ADD "FLAT FRAME" PROFILE LFS

DATE: 10/25/11

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-14935.4

SHEET 7 OF 8

A diagram of a rectangular frame with a width of 35.75" and a height of 95.25". The frame is subjected to four forces: two downward forces labeled 'A' on the left vertical member and two rightward forces labeled 'B' on the top and bottom horizontal members.

MAX. D.P = ± 65 PSF

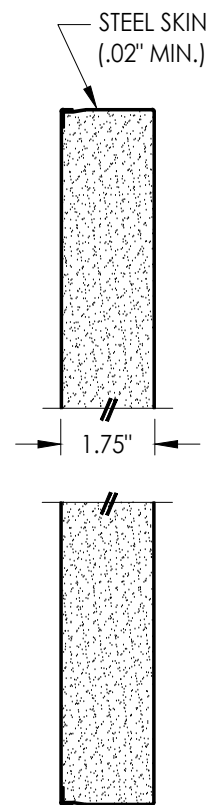


Diagram illustrating the cross-section of a composite material assembly:

- STILE (WOOD)**: The leftmost component, shown with a wood grain pattern.
- 1"**: Dimension indicating the thickness of the EPS core.
- EPS CORE (POLYSTYRENE)**: The middle component, shown with a hexagonal cellular pattern.
- 1.75"**: Dimension indicating the thickness of the rightmost layer.

TOP RAIL (WOOD)

1"

STEEL SKIN (.024" MIN.)

1.75"

1.25"

BOTTOM RAIL (STEEL - 0.02" MIN.)

SECTION D-D

35.75"

95.25"

C

D

MAX. D.P = ± 80 PSF

Technical drawing of a rectangular frame assembly. The left side shows two cross-sections of the frame. The top cross-section is labeled "TOP RAIL (WOOD)" and shows a wood grain pattern. The bottom cross-section is labeled "BOTTOM RAIL (WOOD)" and shows a wood grain pattern. Both cross-sections indicate a height of 0.8" and a width of 1.75". The right side shows a top-down view of the frame, indicating an overall height of 95.0" and an overall width of 35.75". The frame is subjected to forces: a horizontal force F is applied to the top and bottom rails, and vertical forces E are applied to the side rails.

MAX. D.P = ± 65 PSF

DATE:	10/25/11
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SHEET	8 OF 8

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