GAMMANS SKYLIGHT SYSTEMS

One Beavers Street
Newnan, GA 30263

SERIES 500 & 700
ALUMINUM FIXED SKYLIGHT SYSTEM
"SMALL MISSILE IMPACT"

L F Schmidt

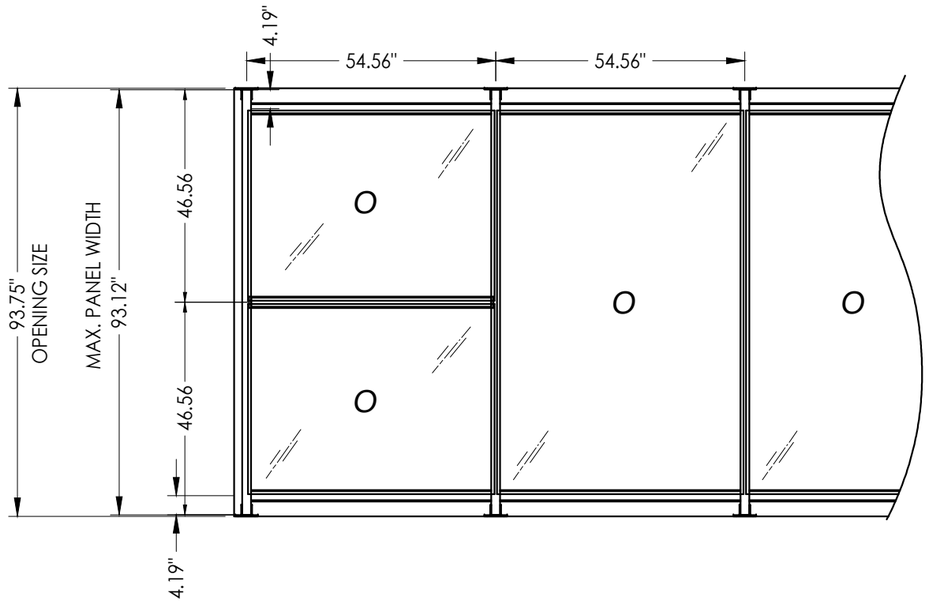
L. F. SCHMIDT LICENSE No. 43409 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt
Date: 2023.09.13 15:53:44 -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



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. When used in areas requiring wind borne debris protection for installations above 30 feet above grade, this product complies with FBC Section 1609.1.2 as a small missile impact resistant product and does not require an impact resistant covering. This product meets missile level "A" as defined in ASTM E 1996. For installations 30 feet or less above grade, this product must be protected with an impact resistant covering that complies with FBC Section 1609.1.2.2.

3. The system detailed herein is generic and does not provide information for a specific site. A licensed engineer or registered architect shall prepare site specific documents (including framing support and connections) to be used in conjunction with this document.

4. Permit holder shall verify the adequacy of the existing structure to withstand new superimposed loads.

TABLE OF CONTENTS

MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
54.56" x 93.12"	52.50" x 82.75"	G1	+70.0	-90.0

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

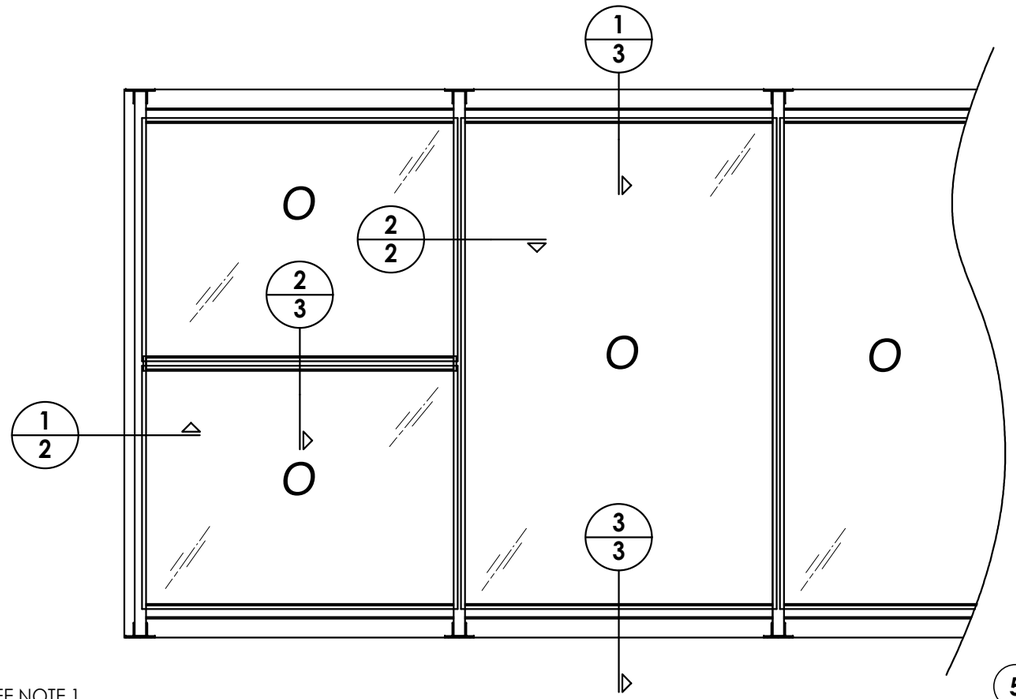
PRODUCT:
GAMMANS SKYLIGHT SYSTEMS
ALUMINUM FIXED SKYLIGHT

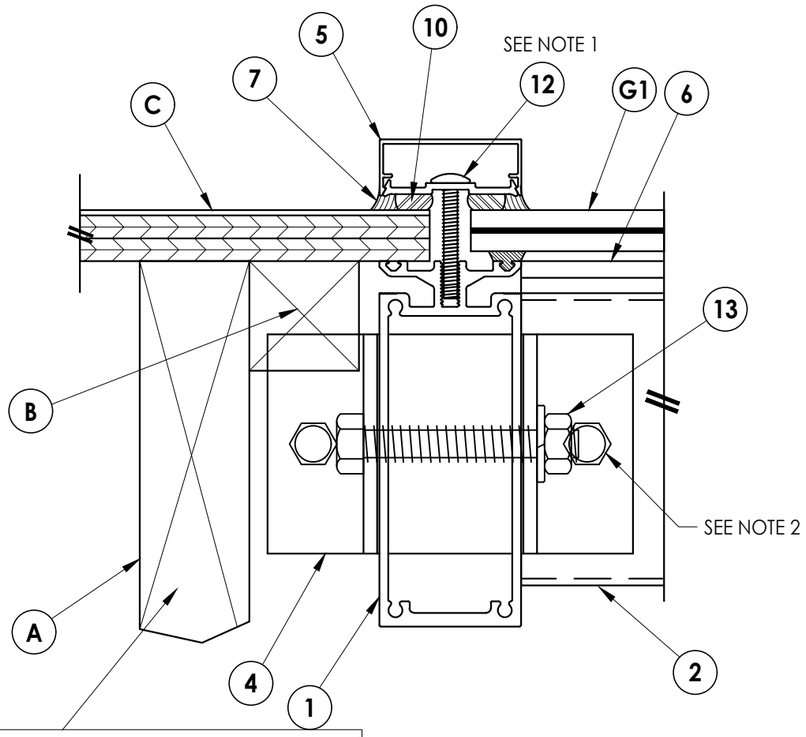
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN PRESSURE AND GENERAL NOTES

NO.	DATE	REVISIONS	BY
3	10/01/20	UPDATE TO 7TH ED. (2020) FBC	LFS
2	3/07/18	UPDATE TO 6th ED. (2017) FBC	LFS
1	6/23/15	UPDATE TO 5th ED. (2014) FBC	LFS

DATE: 1/24/12
SCALE: N.T.S.
DWG. BY: KV
CHK. BY: LFS
DRAWING NO.: FL-15146.2
SHEET 1 OF 4

Z:\2023 FBC Drawings\Gammans Skylight Sytems\FL-15146 R4\FL-15146.1-5.dwg

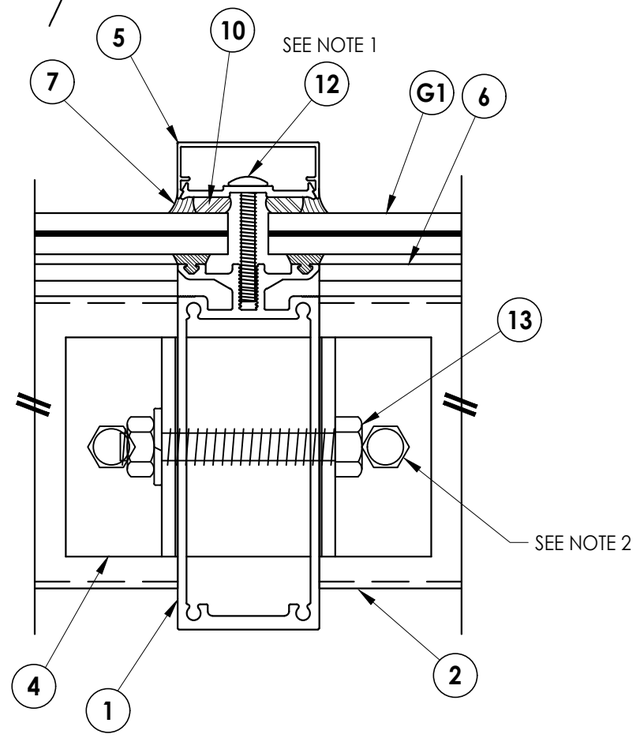




SHOWN AS TESTED. SUPPORTING STRUCTURE BY OTHERS (SEE GENERAL NOTES 3 & 4, SHEET 1).

1/2 ***HORIZONTAL CROSS SECTION***

NOTES:
1. LOCATED 6" FROM EACH CORNER AND 12" O.C. MAX.
2. FRAMING CONNECTION BY OTHERS.



2/2 ***HORIZONTAL CROSS SECTION***

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PART OR ASSEMBLY: *HORIZONTAL CROSS SECTIONS*

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SHEET 2 OF 4

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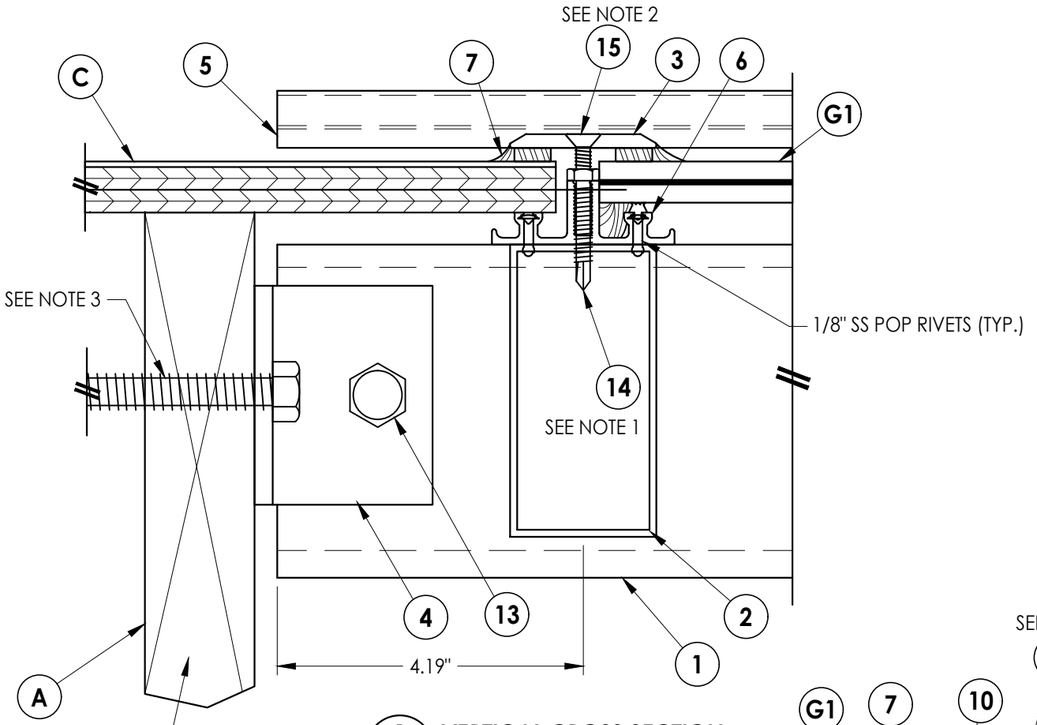
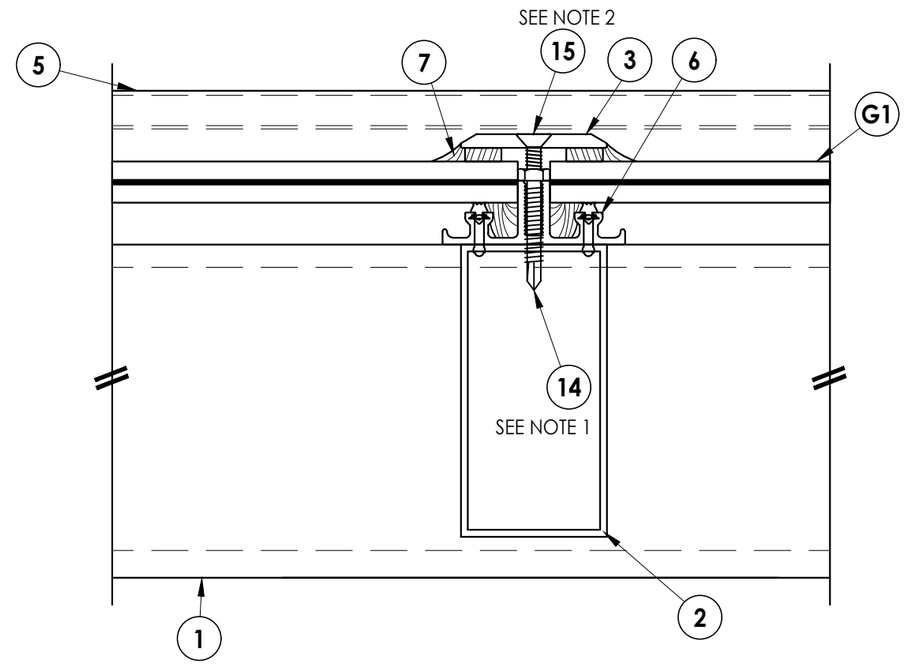


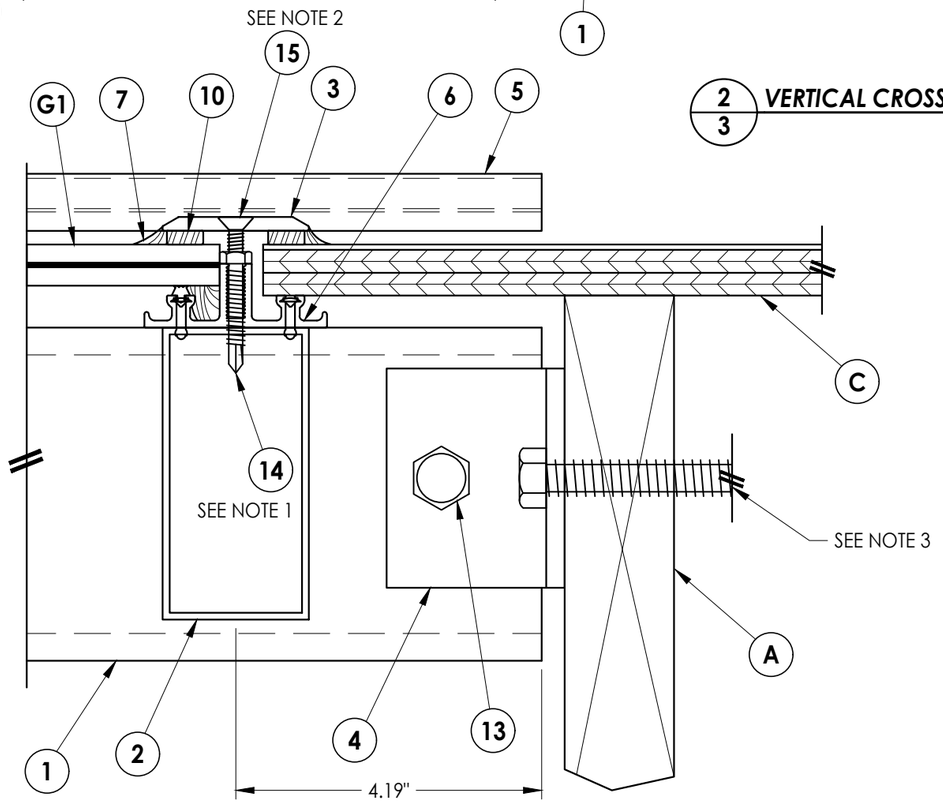
1/3 **VERTICAL CROSS SECTION**

SHOWN AS TESTED. SUPPORTING STRUCTURE BY OTHERS (SEE GENERAL NOTES 3 & 4, SHEET 1).

NOTES:
1. LOCATED 3" FROM EACH CORNER AND 6" O.C. MAX.
2. LOCATED 6" FROM EACH CORNER AND 12" O.C. MAX.
3. FRAMING CONNECTION BY OTHERS.



2/3 **VERTICAL CROSS SECTION**



3/3 **VERTICAL CROSS SECTION**

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PART OR ASSEMBLY: *VERTICAL CROSS SECTIONS*

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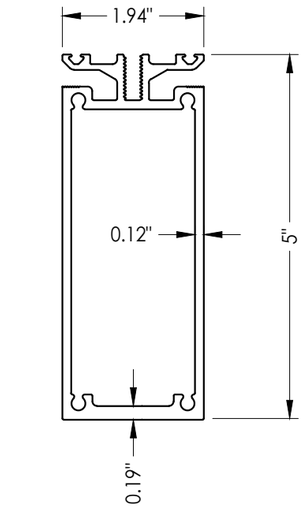
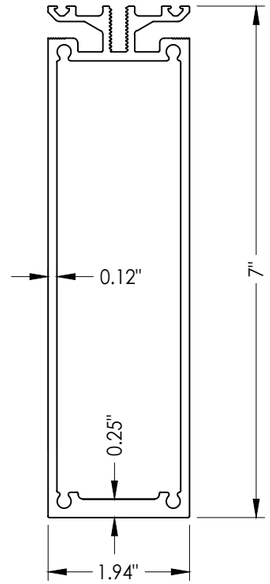
Z:\2023 FBC Drawings\Gammans Skylight Sytems\FL-15146 R4\FL-15146.1-5.dwg

BILL OF MATERIALS		
ITEM	**DESCRIPTION**	**MATERIAL**
A	2X WOOD RAFTER *	WOOD
B	2" x 2" WOOD NAILER *	WOOD
C	ROOF SHEATHING (0.040" ALUMINUM FLASHING PLUS 1/2" PLYWOOD) *	ALUM./WOOD
1	SERIES 500/700 RAFTER	6063-T5 ALUM.
2	HORIZONTAL REINFORCEMENT TUBE	6063-T5 ALUM.
3	HORIZONTAL COVER	6063-T5 ALUM.
4	BRAC-1 SADDLE CLIP	6063-T5 ALUM.
5	COMPRESSION PLATE & COVER	6063-T5 ALUM.
6	HORIZONTAL MEMBER	6063-T5 ALUM.
7	SILICONE (DOW 795)	SILICONE
8	SILICONE (DOW 995)	SILICONE
9	SILICONE GASKET	SILICONE
10	1/4" x 1/2" FOAM TAPE (NORTON V990)	-
11	EPDM GASKET (#680)	EDPM
12	1/4-20 x 1-1/2" PH MACHINE SCREW S.S.	S.S.
13	1/2" x 2-1/2" HH BOLT (ASTM-A307) w/ WASHER & NUT	STEEL
14	1/4-20 x 1-1/2" SELF-DRILLING SHEET METAL SCREW	STEEL
15	1/4-20 x 1-1/2" FH MACHINE SCREW S.S.	S.S.

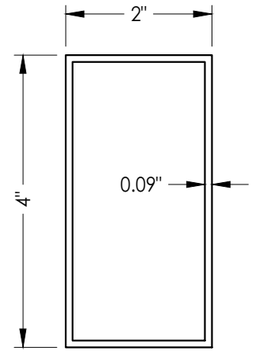
* NOTE: FRAMING SUPPORT AND CONNECTIONS TO BE SPECIFIED BY ENGINEER OR ARCHITECT OF RECORD.



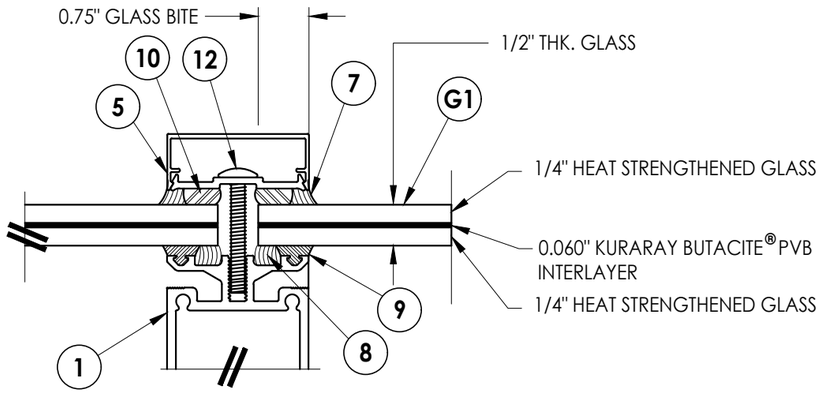
1 **SERIES 500 RAFTER**



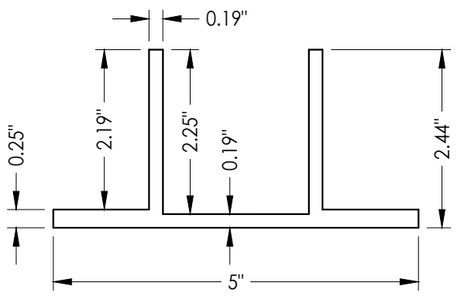
1 **SERIES 700 RAFTER** Optional



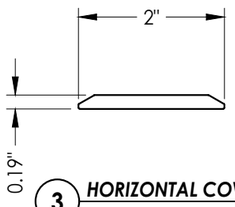
2 **HORIZONTAL REINFORCEMENT TUBE**



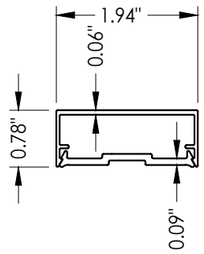
G1 **GLAZING DETAIL**



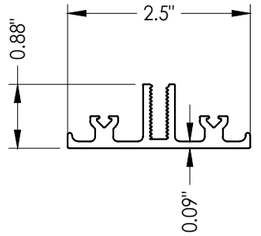
4 **SADDLE CLIP**



3 **HORIZONTAL COVER**



5 **COMPRESSION PLATE & COVER**



6 **HORIZONTAL MEMBER**

9 **SILICONE GASKET**

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PART OR ASSEMBLY: *BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS*

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