

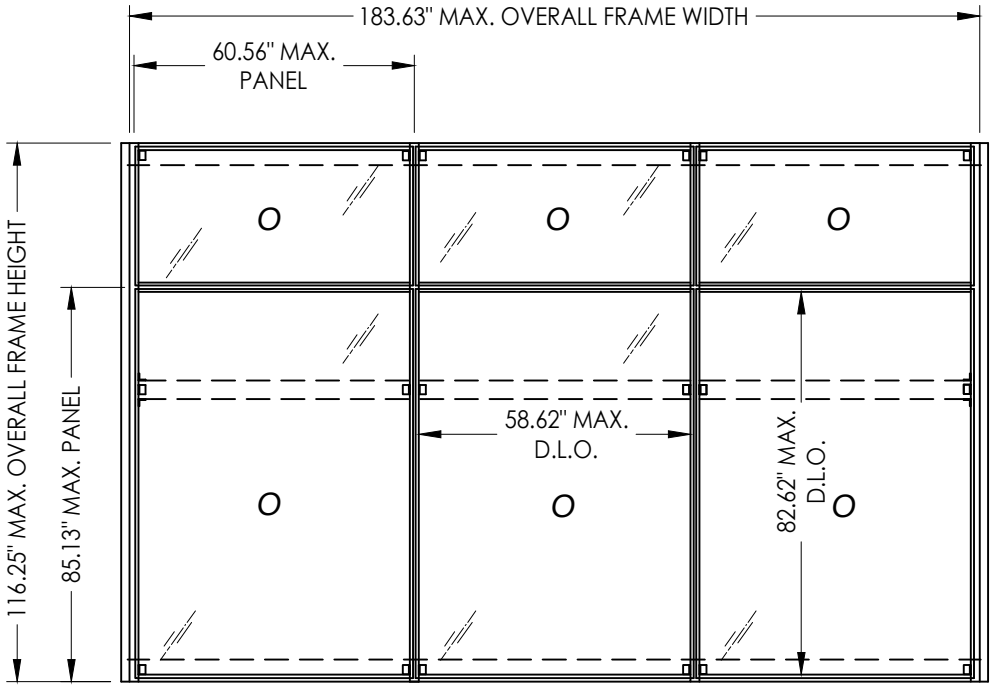
GAMMANS SKYLIGHT SYSTEMS

10 Beavers Street, Newnan, GA 30263

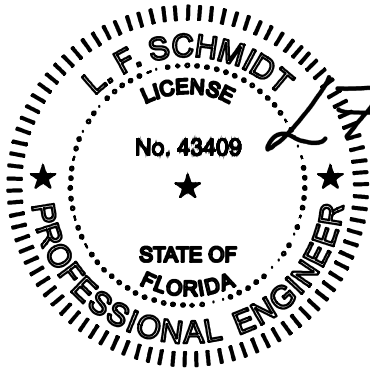
SERIES 350, 400, 500 & 700 ALUMINUM FIXED SKYLIGHT SYSTEM "SMALL MISSILE IMPACT"

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", for installations above 30 feet above grade, this product complies with Section 1626 of the FBC as a small missile impact resistant product and does not require an impact resistant covering. For installations 30 feet or less above grade, this product must be protected with an impact resistant covering that complies with Section 1626 of the FBC.
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.
5. This product meets water infiltration requirements for "HVHZ".
6. When used in the "HVHZ" this product is to be installed above 30 ft. height above grade.
7. All steel shall be protected as specified in FBC Section 2222.6.
8. Glazing > 36" wide requires two (2) setting blocks conforming to FBC Section 2411.3.3.1.



SERIES 350/500/700
Multi-span

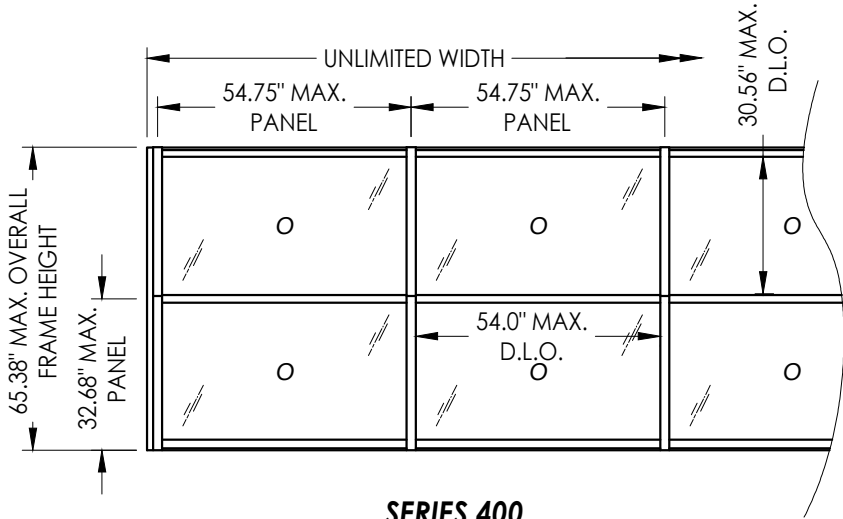


This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

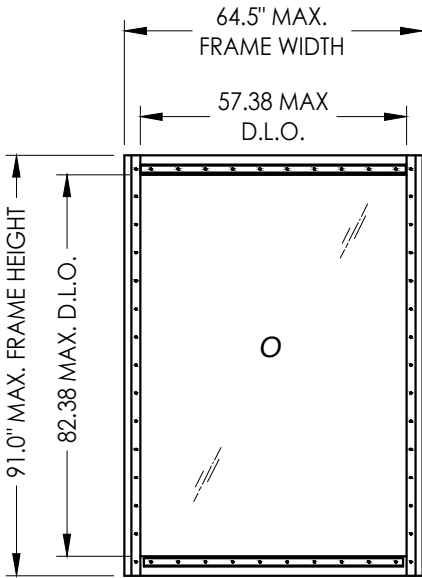
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	General notes and elevations
2	Series 350, 500, 700 details (single span) and b.o.m.
3	Series 350, 500, 700 details (multi-span)
4	Series 350, 500, 700 details (multi-span) and b.o.m.
5	Series 400 details (multi-span)
6	Series 400 details (multi-span) and b.o.m.
7	Series 500, 700 details (multi-span)
8	Series 500, 700 details (multi-span) and b.o.m.

MAX. O.A. FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
183.63" x 116.25"	60.56" x 85.13"	58.62" x 82.62"	G2	+75.4	-75.4



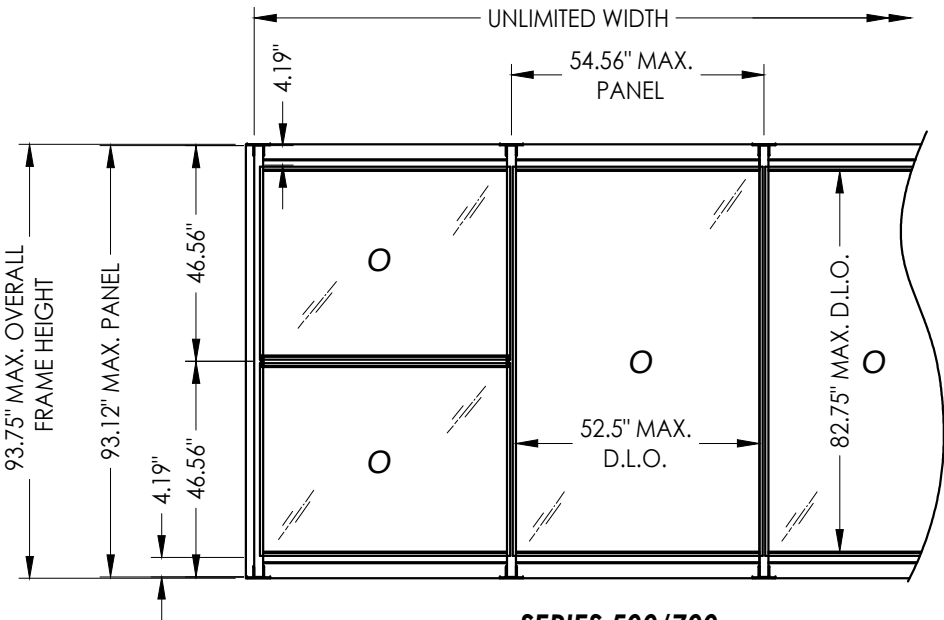
SERIES 400
Multi-span

MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
54.75" X 32.68"	54.0" x 30.56"	G3	+50.0	-50.0



SERIES 350/500/700
Single-span

MAX O.A. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
64.5" X 91.0"	57.38" X 82.38"	G1	+50.0	-50.0



SERIES 500/700
Multi-span

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"	G4	+70.0	-70.0

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 No. 9813

PRODUCT: GAMMANS
SERIES 350, 400,
500 & 700 FIXED SKYLIGHTS
PART OR ASSEMBLY:
GENERAL NOTES
AND ELEVATIONS

NO.	DATE	REVISIONS			
4	9/13/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
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: 1/25/12

SCALE: N.T.S.

DWG. BY: KV

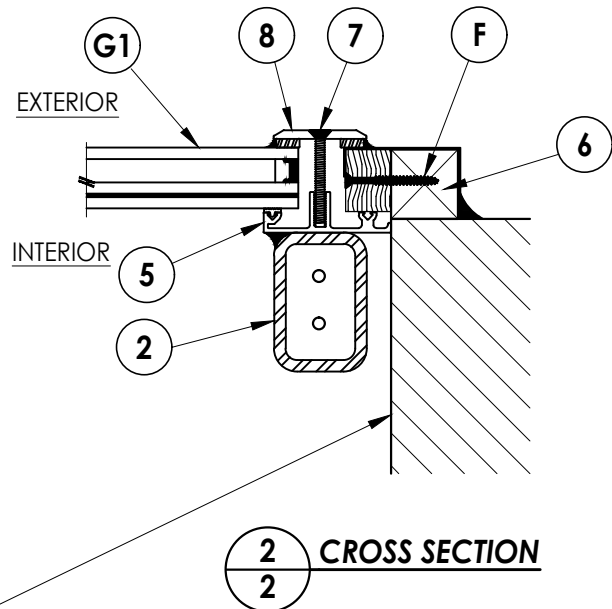
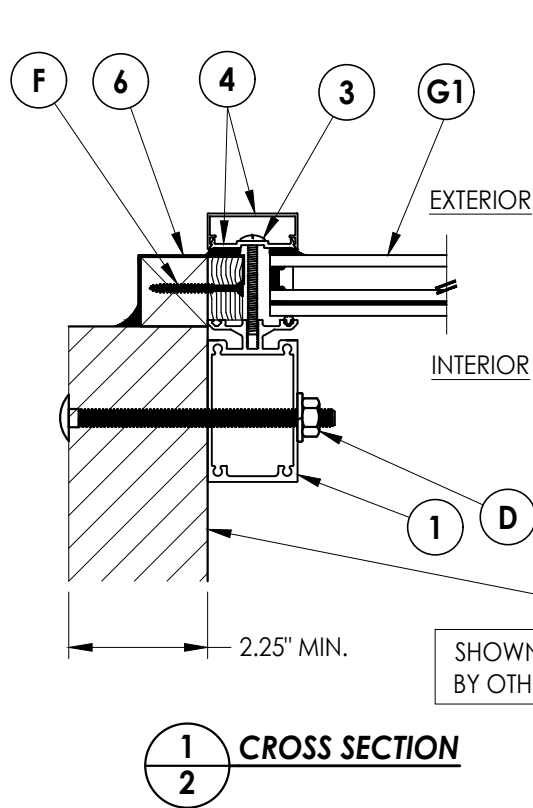
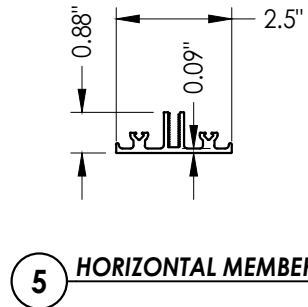
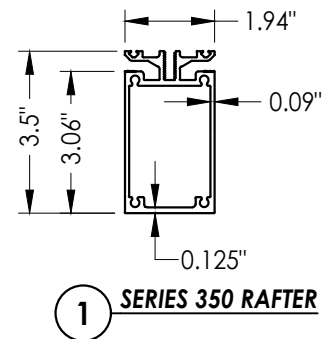
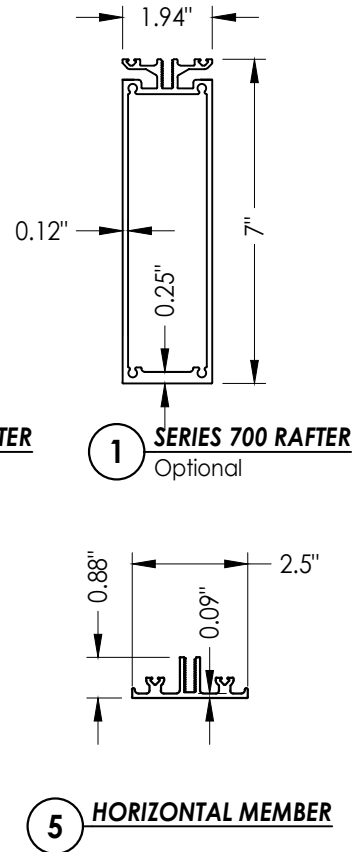
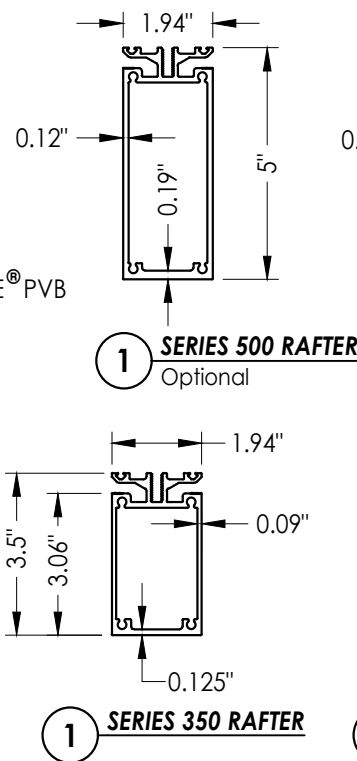
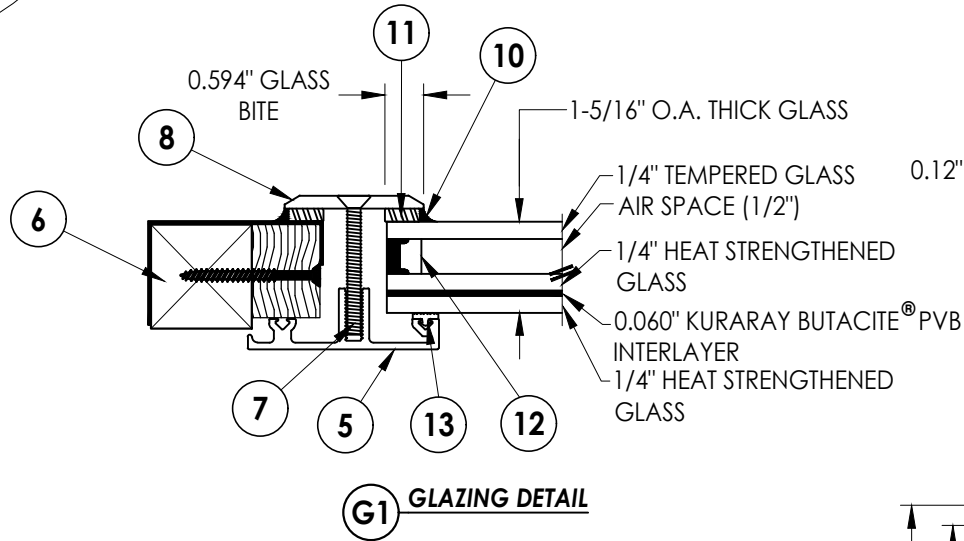
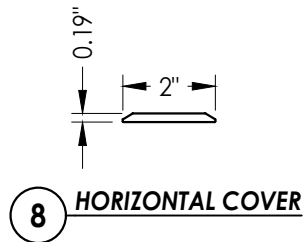
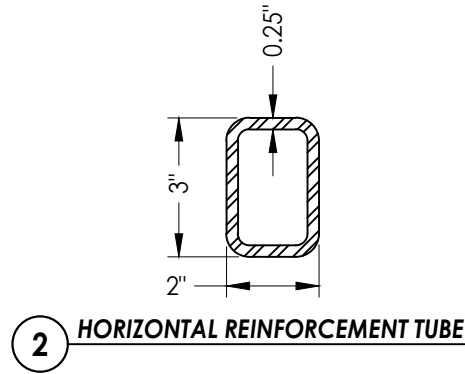
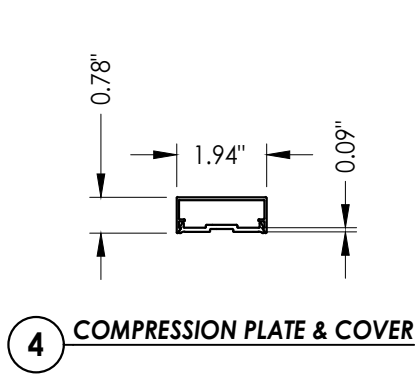
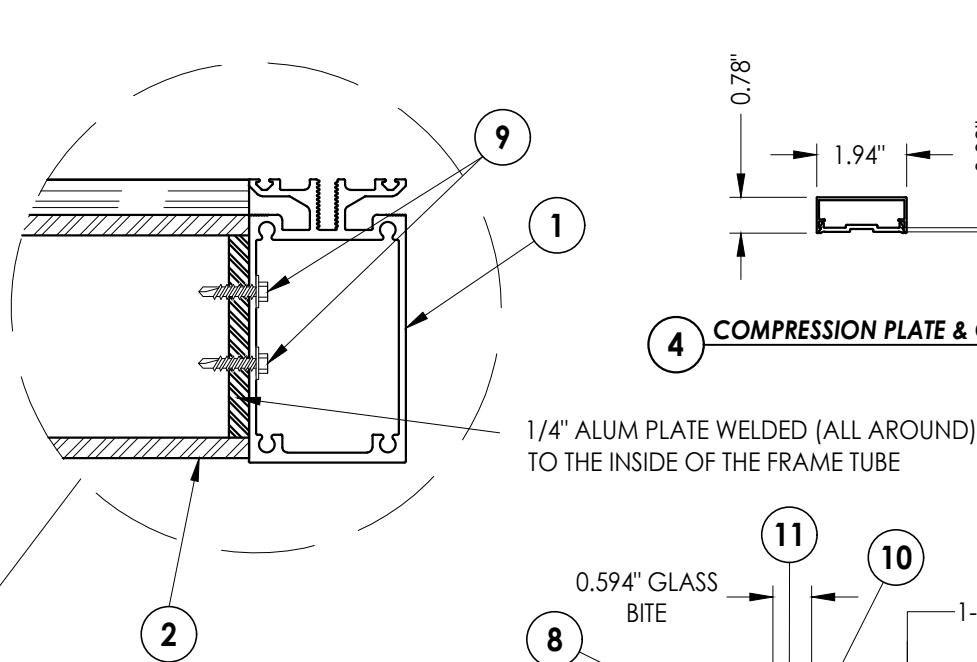
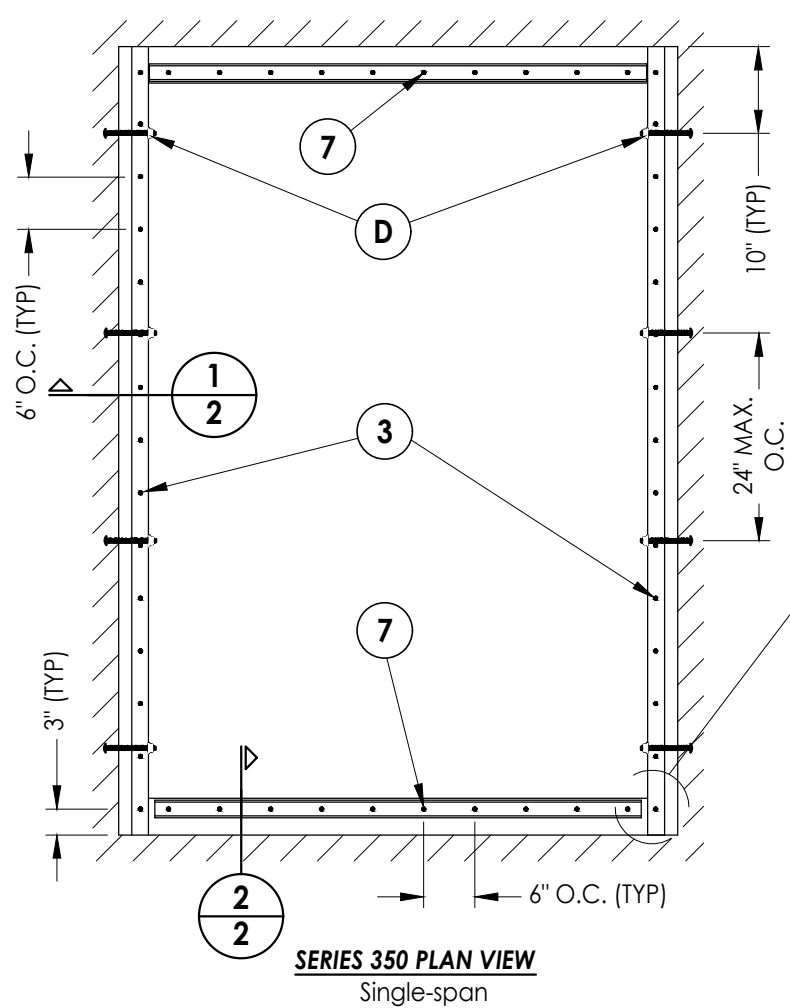
CHK. BY: LFS

DRAWING NO.:

FL-15146.6

SHEET 1 OF 8

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

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
D	1/2" X 6" CARRIAGE BOLT w/NUT & WASHER	STEEL
F	#8 X 2" PFH WOOD SCREW	STEEL
1	SERIES 350 RAFTER (SERIES 500/700 OPTIONAL)	6063-T5 ALUM.
2	HORIZONTAL REINFORCEMENT TUBE	6063-T5 ALUM.
3	1/4-20 x 1-1/2" PH MACHINE SCREW S.S.	STAINLESS STEEL
4	COMPRESSION PLATE & COVER	6063-T5 ALUM.
5	HORIZONTAL MEMBER	6063-T5 ALUM.
6	CURB w/ WOOD FILLER	6063-T5 ALUM.
7	1/4-20 x 1-1/2" FH MACHINE SCREW S.S.	STAINLESS STEEL
8	HORIZONTAL COVER	6063-T5 ALUM.
9	1/4-20 x 1-1/2" SELF-DRILLING SHEET METAL SCREW	STEEL
10	DOW CORNING 995 SILICONE	SILICONE
11	1/4" x 1/2" FOAM TAPE (NORTON V990)	-
12	ALUM SPACER	ALUM
13	SILICONE GASKET	SILICONE

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

PRODUCT: GAMMANS
SERIES 350, 400,
500 & 700 FIXED SKYLIGHTS
PART OR ASSEMBLY:

SERIES 350, 500, 700 DETAILS
(SINGLE SPAN) AND B.O.M.

NO.	DATE	REVISIONS
4	9/13/23	UPDATE TO 8TH ED. (2023) FBC LFS
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1	6/23/15	UPDATE TO 5TH ED. (2014) FBC LFS

DATE: 1/25/12

SCALE: N.T.S.

DWG. BY: KV

CHK. BY: LFS

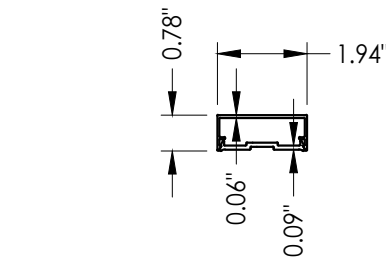
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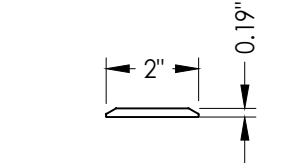
SHEET 2 OF 8

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

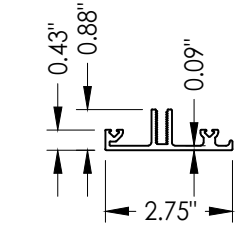
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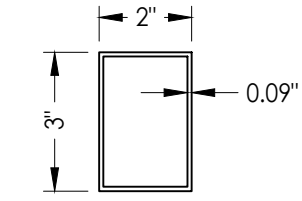
B COMPRESSION PLATE & COVER



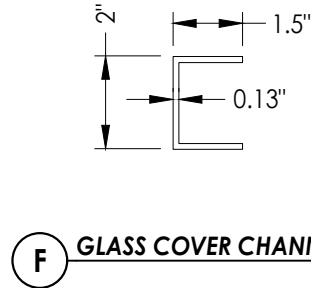
C HORIZONTAL COVER



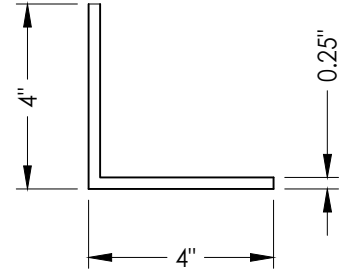
D HORIZONTAL MEMBER



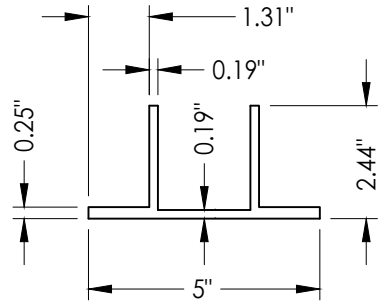
E REINFORCEMENT TUBE



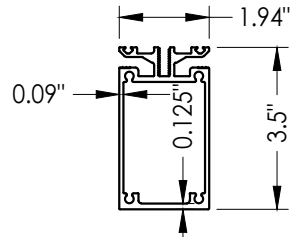
F GLASS COVER CHANNEL



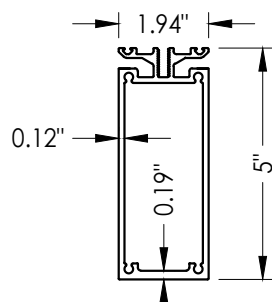
J ALUMINUM ANGLE CLIP
3.5" wide



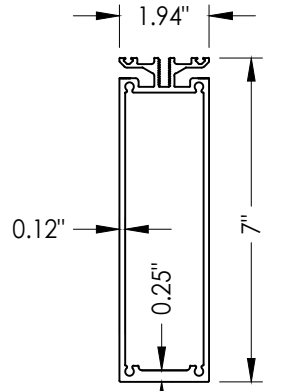
G BRAC-1 SADDLE CLIP
2" wide



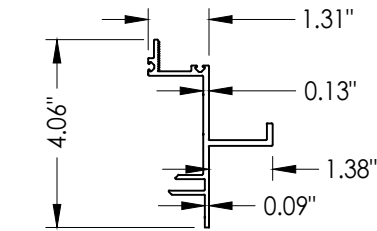
1 SERIES 350 RAFTER



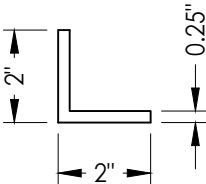
1 SERIES 500 RAFTER
Optional



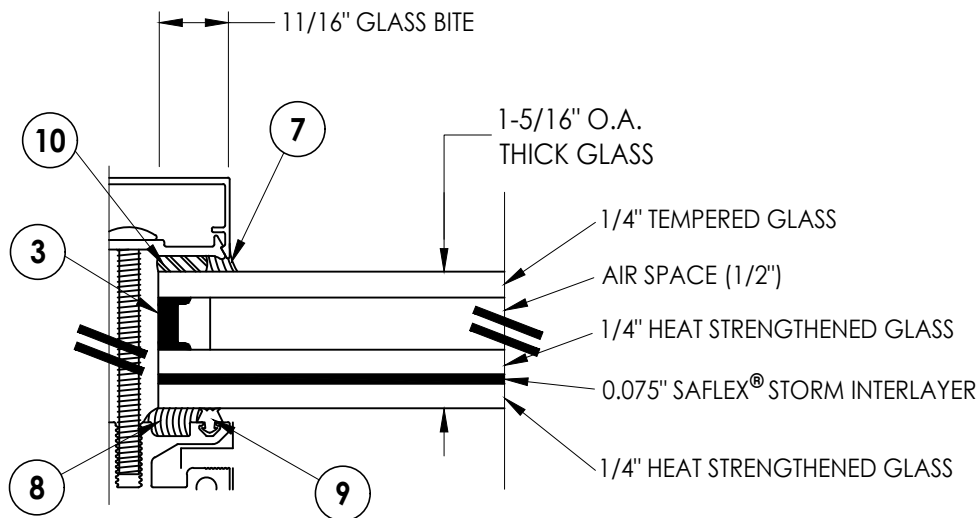
1 SERIES 700 RAFTER
Optional



H ALUM. FRAME MEMBER



I STEEL ANGLE CLIP
3" wide



G2 GLAZING DETAIL

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2 X 10 No. 1 SYP (S.G. ≥ 0.55) SUPPORT FRAMING	WOOD
B	COMPRESSION PLATE AND COVER	6063-T5 ALUM.
C	HORIZONTAL COVER	6063-T5 ALUM.
D	HORIZONTAL MEMBER	6063-T5 ALUM.
E	HORIZONTAL REINFORCEMENT TUBE	6063-T5 ALUM.
F	GLASS COVER CHANNEL	6063-T5 ALUM.
G	BRAC - 1 SADDLE CLIP	6063-T5 ALUM.
H	ALUMINUM FRAME MEMBER	6063-T5 ALUM.
I	STEEL ANGLE CLIP 3" WIDE	ASTM A-36 STEEL
J	ALUMINUM ANGLE CLIP 3.5" WIDE	6063-T5 ALUM.
1	SERIES 350 RAFTER (SERIES 500/700 OPTIONAL)	6063-T5 ALUM.
2	4" x 4" X 0.25" HORIZONTAL SUPPORT TUBE	6063-T5 ALUM.
3	GLAZING SPACER	ALUM.
6	1X NAILER	WOOD
7	SILICONE (DOW 795)	SILICONE
8	SILICONE (DOW 995)	SILICONE
9	SILICONE GASKET	SILICONE
10	1/4" x 1/2" FOAM TAPE (NORTON V990)	-
12	1/4"-20 x 2" P.H. S.S. MACHINE SCREW	STAINLESS STEEL
13	1/4"-20 x 2" P.F.H. S.S. MACHINE SCREW	STAINLESS STEEL
14	SETTING BLOCK	-
15	BACKER ROD & SEALANT	-
16	3/8" x 3" HEX HEAD THREADED BOLT w/ 3/8" LOCK AND FLAT WASHERS w/ NUT	STEEL
17	3/8" x 1.25" HWH SMS	STEEL
18	3/8" x 3" HEX HEAD LAG SCREW	STEEL
19	#12 x 1.5" HEX HEAD SELF-DRILLING SMS	STEEL
20	#6 x 1.5" PFH WS	STEEL
21	3/8" x 4" HEX HEAD LAG SCREW (2" MIN. EMBEDMENT)	STEEL
22	#12 X 2.5" PPH SMS w/ FLAT WASHER	STEEL
23	3/16" x 1-11/16" ALUMINUM BACKER PLATE	STEEL
24	#14 X 2" HEX HEAD SELF-DRILLING SMS	STEEL
26	1/4" SHIM	-
27	4 x 4 No. 2 SYP (S.G. ≥ 0.55) SUPPORT BEAM	WOOD
28	0.040" ALUMINUM FLASHING	ALUM

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

PRODUCT: GAMMANS
SERIES 350, 400,
500 & 700 FIXED SKYLIGHTS
PART OR ASSEMBLY:

SERIES 350, 500, 700 DETAILS
(MULTI-SPAN) AND B.O.M.

NO.	DATE	REVISIONS
4	9/13/23	UPDATE TO 8TH ED. (2023) FBC
3	10/01/20	UPDATE TO 7TH ED. (2020) FBC
2	3/07/18	UPDATE TO 6TH ED. (2017) FBC
1	6/23/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 1/25/12

SCALE: N.T.S.

DWG. BY: KV

CHK. BY: LFS

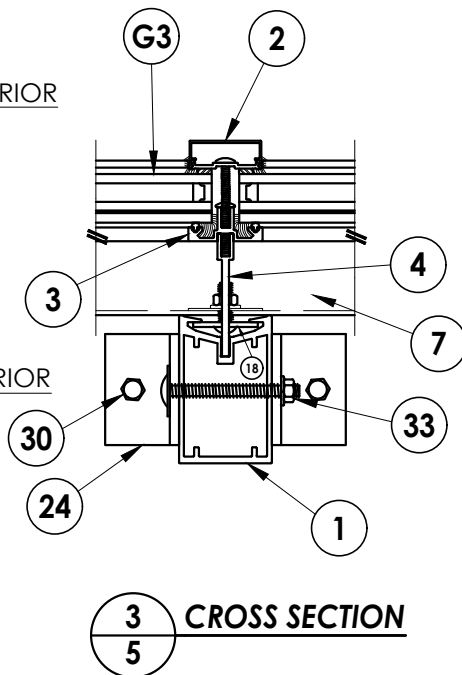
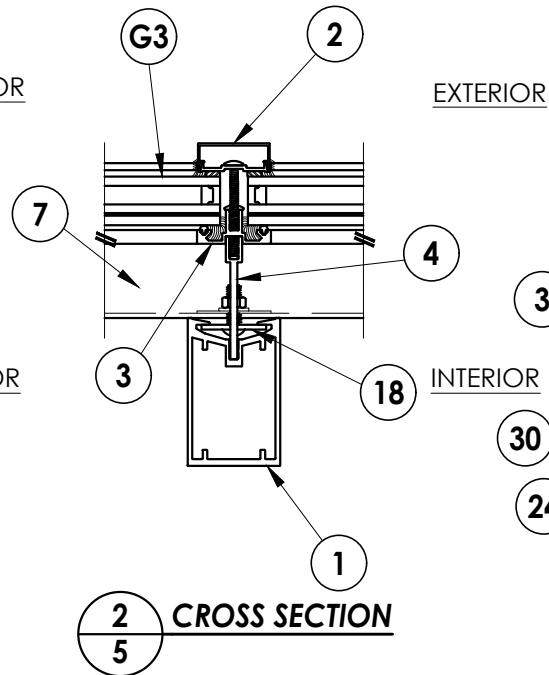
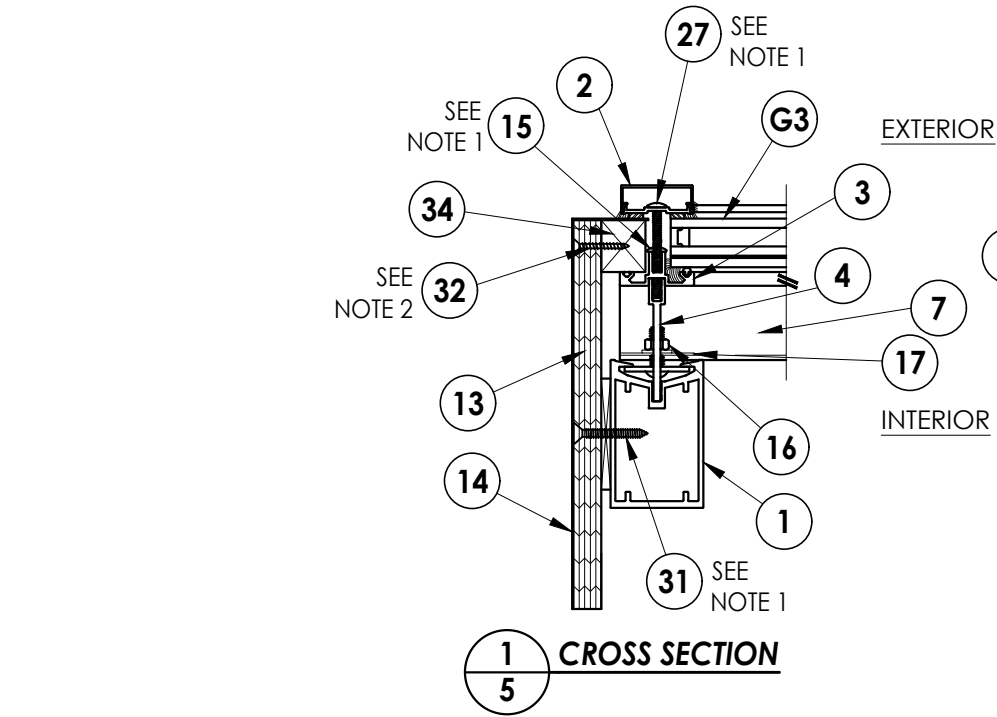
DRAWING NO.:

FL-15146.6

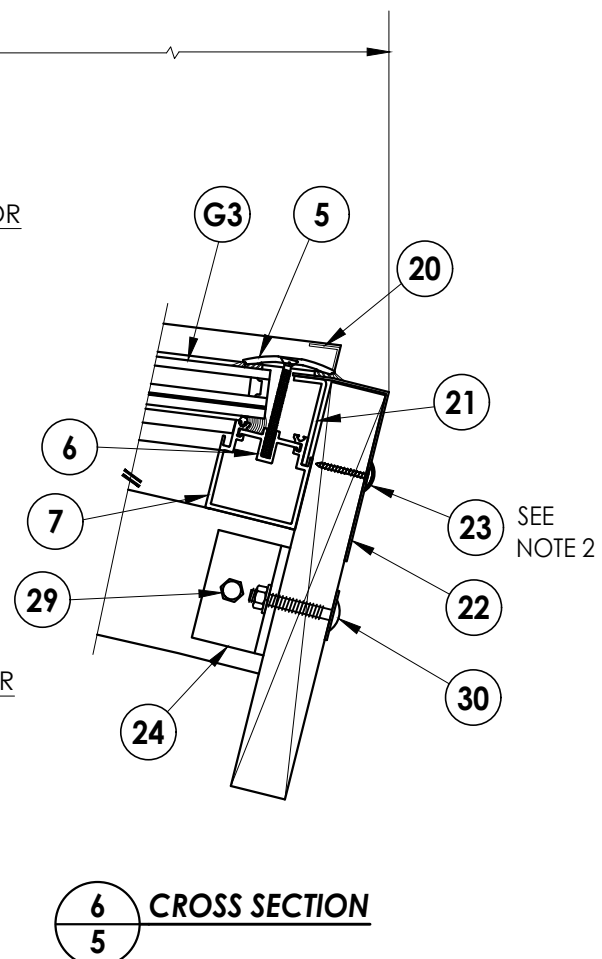
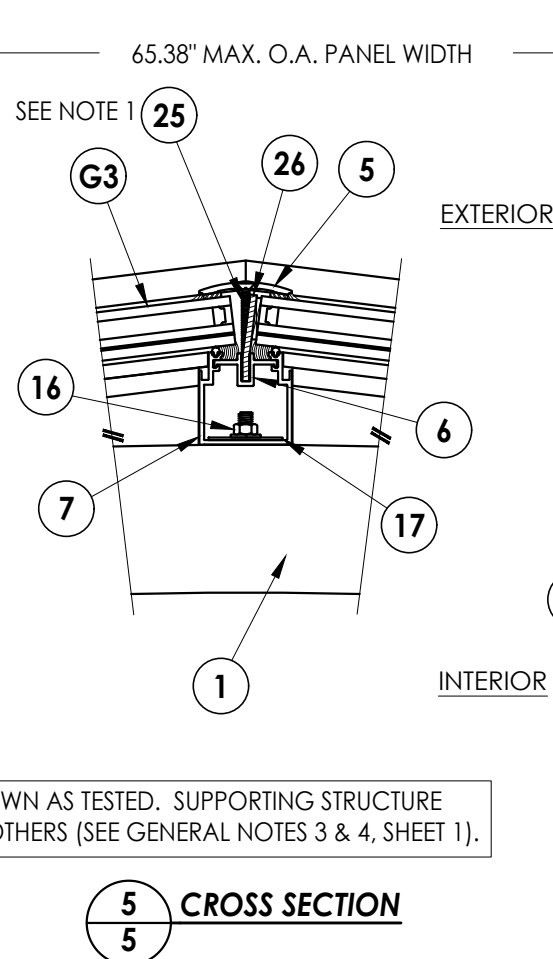
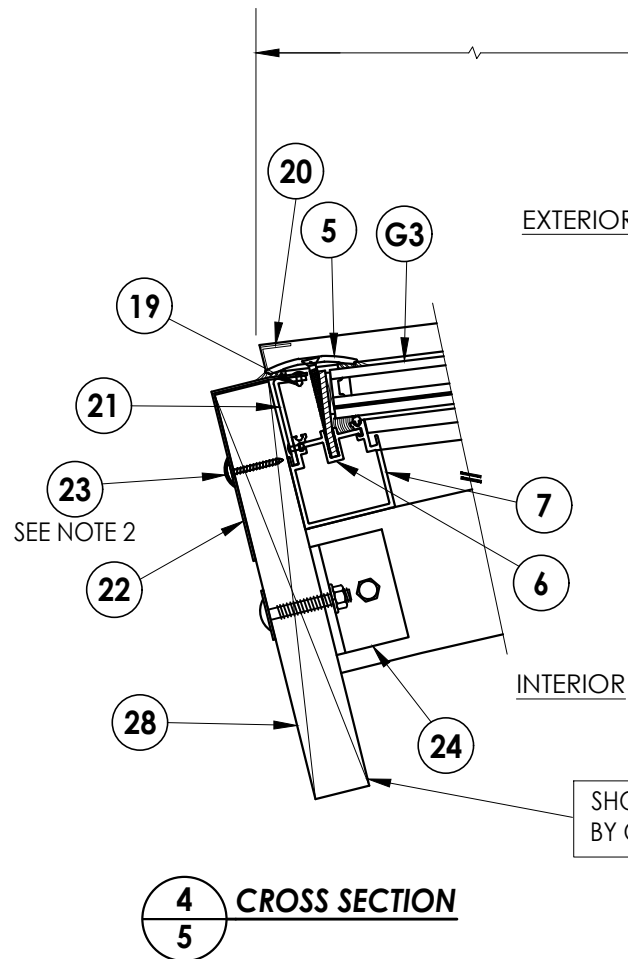
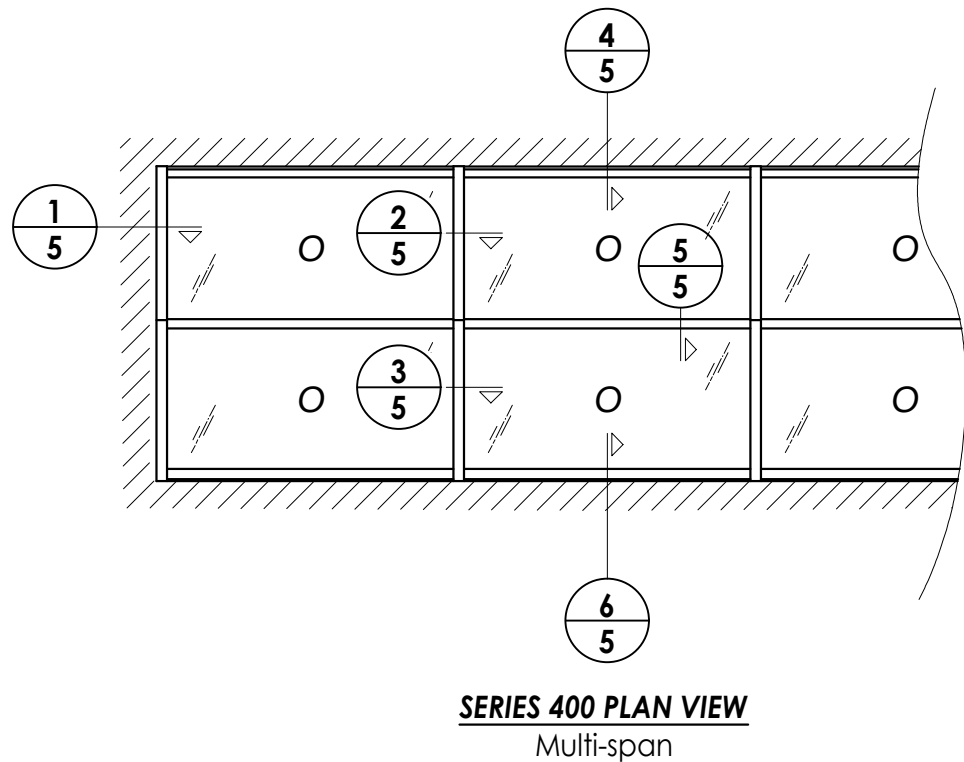
SHEET 4 OF 8

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

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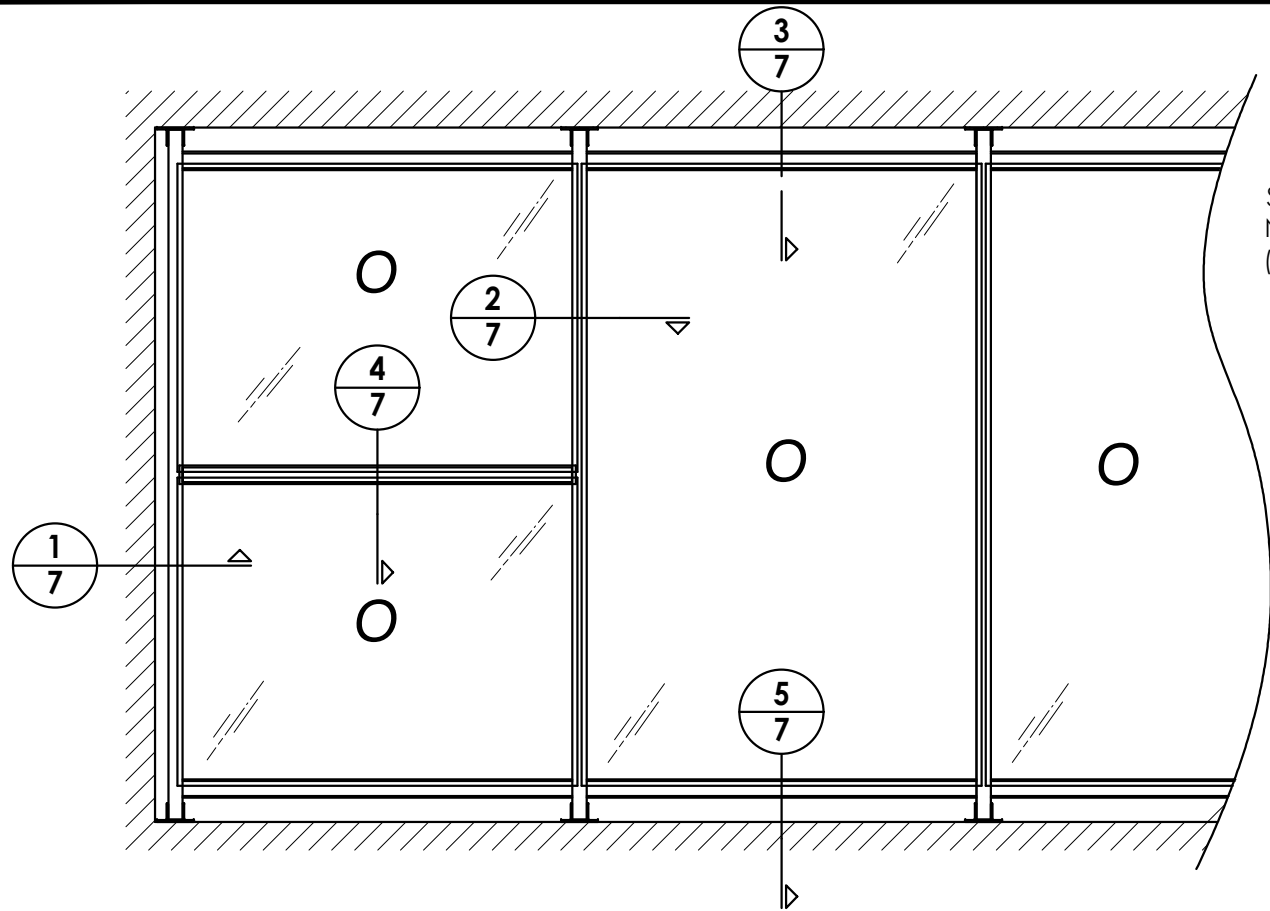


- NOTES:
1. Located 6" from each corner & 6" o.c. max.
 2. Located 3" from each corner & 12" o.c. max.



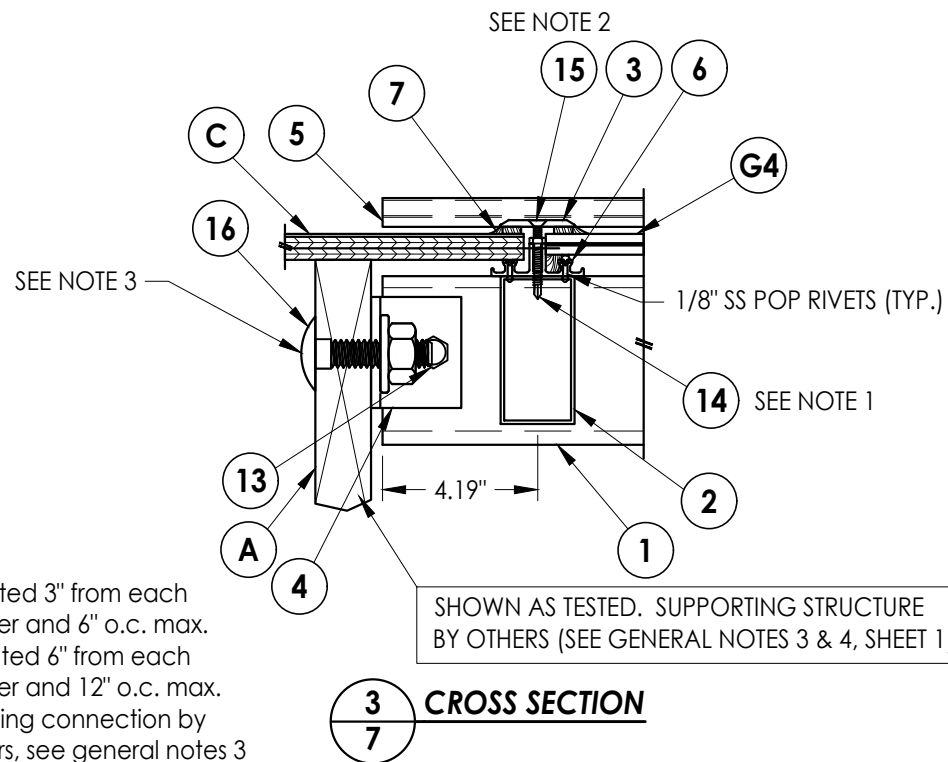
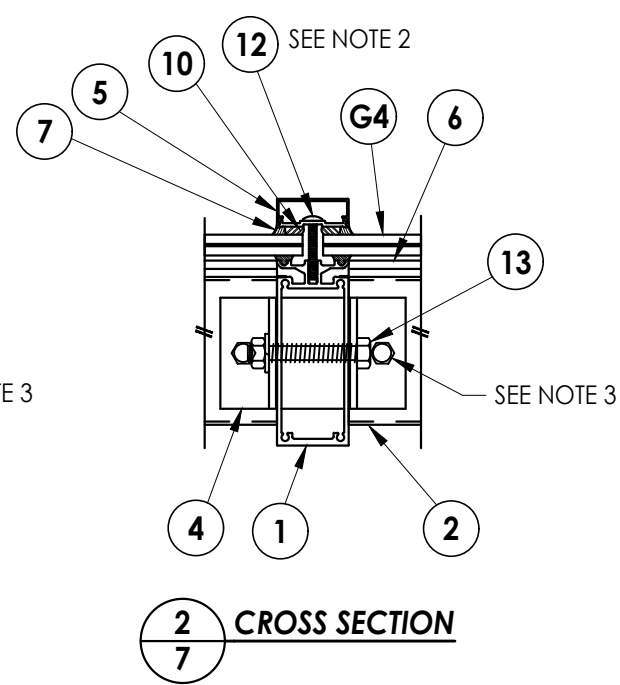
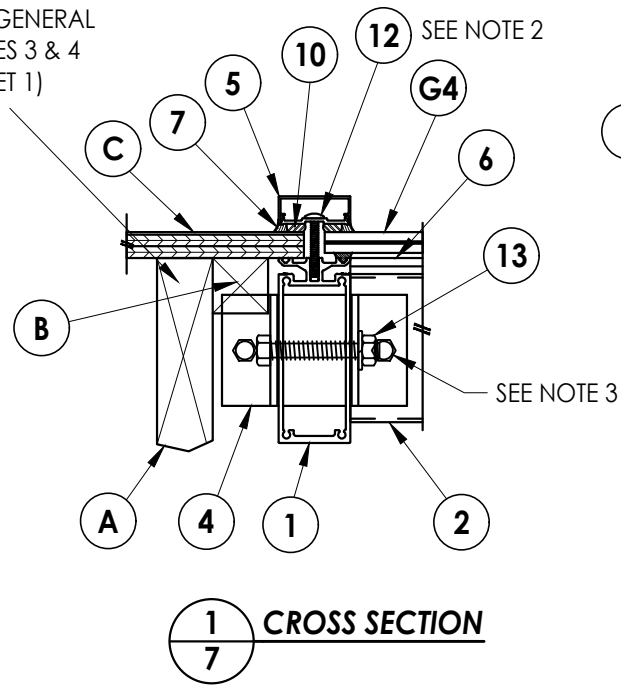
Documents Prepared By:		Lyndon F. Schmidt P.E. No. 43409		RWBUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:		GAMMAN'S SERIES 350, 400, 500 & 700 FIXED SKYLIGHTS		PART OR ASSEMBLY: SERIES 400 DETAILS (MULTI-SPAN)	
DATE:		1/25/12		SCALE:	
DWG. BY:		KV		CHK. BY:	
DRAWING NO.:		FL-15146.6		SHEET	
NO.		DATE		BY	
4		9/13/23		LFS	
3		10/01/20		LFS	
2		3/07/18		LFS	
1		6/23/15		LFS	
REVISIONS		DATE		BY	

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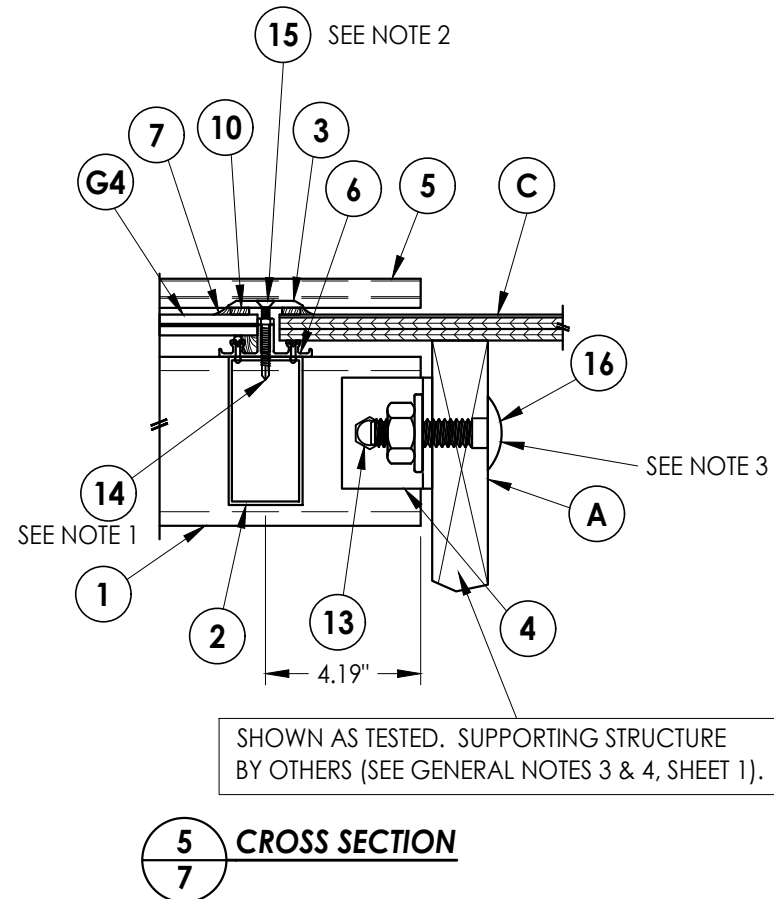
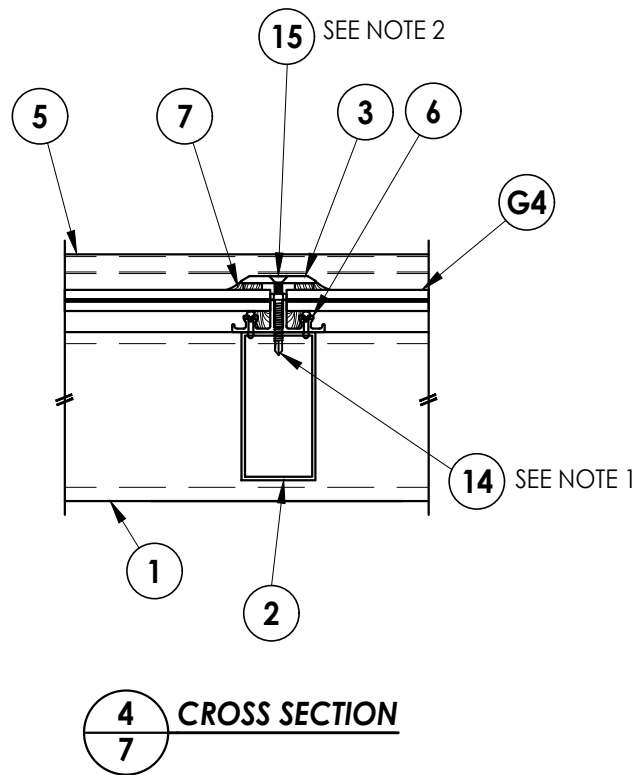


SERIES 500 PLAN VIEW
Multi-span

SEE GENERAL
NOTES 3 & 4
(SHEET 1)



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, see general notes 3 and 4 (sheet 1)

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

PRODUCT:
GAMMANS
SERIES 350, 400,
500 & 700 FIXED SKYLIGHTS
PART OR ASSEMBLY:
SERIES 500, 700 DETAILS
(MULTI-SPAN)

NO.	DATE	REVISIONS
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DATE: 1/25/12

SCALE: N.T.S.

DWG. BY: KV

CHK. BY: LFS

DRAWING NO.:

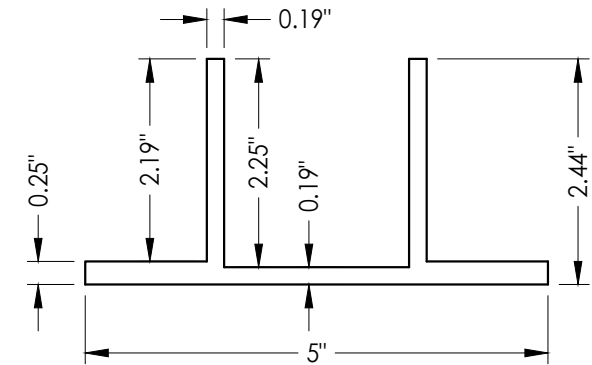
FL-15146.6

SHEET 7 OF 8

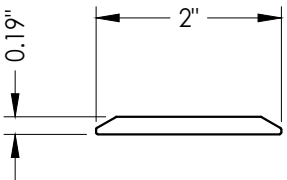
RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

Z:\2023 FBC Drawings\Gammans Skylight Systems\FL-15146 R4\FL-15146.6-7.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	2X WOOD RAFTER (S.G. >= 0.55)	WOOD
B	2" x 2" WOOD NAILER	WOOD
C	ROOF SHEATHING (0.040" ALUMINUM FLASHING PLUS 1/2" PLYWOOD)	ALUM/WOOD
1	SERIES 500 RAFTER (SERIES 700 OPTIONAL)	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 3-1/2" 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.
16	3/4" X 2-1/2" CARRIAGE BOLT w/ NUT AND LOCK WASHER	STEEL



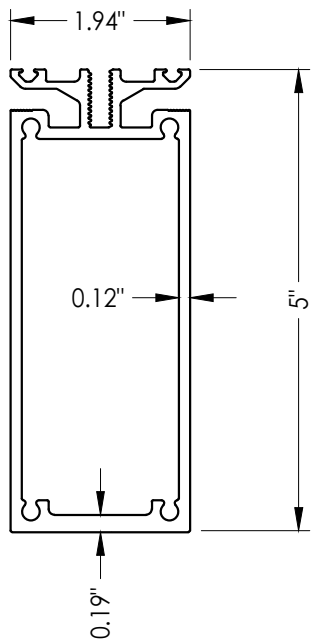
4 SADDLE CLIP
3" wide



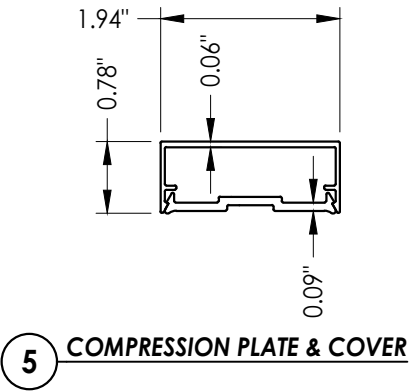
3 HORIZONTAL COVER



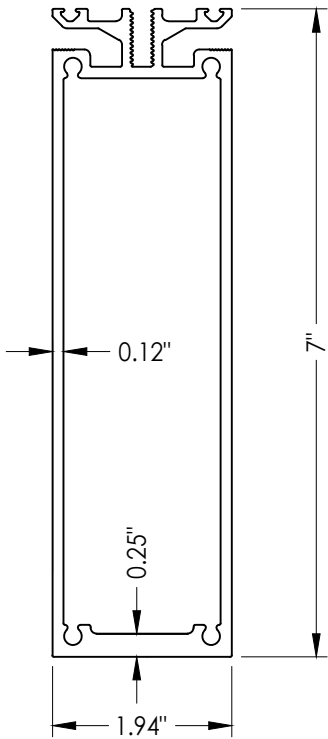
9 SILICONE GASKET



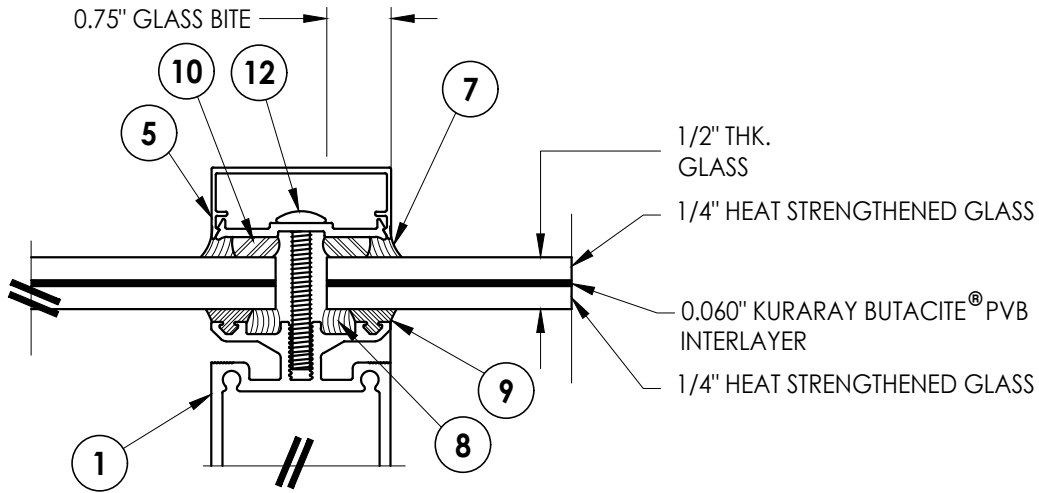
1 SERIES 500 RAFTER



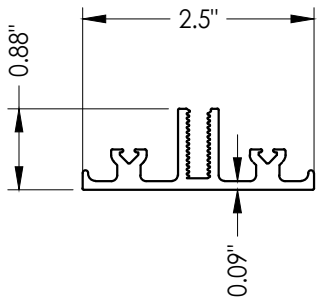
5 COMPRESSION PLATE & COVER



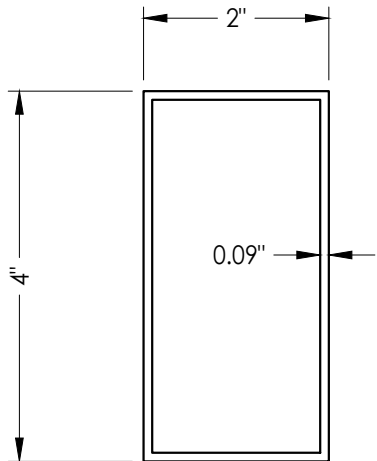
1 SERIES 700 RAFTER
Optional



G4 GLAZING DETAIL



6 HORIZONTAL MEMBER



2 HORIZONTAL REINFORCEMENT TUBE

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

PRODUCT:
GAMMANS
SERIES 350, 400,
500 & 700 FIXED SKYLIGHTS
PART OR ASSEMBLY:

SERIES 500, 700 DETAILS
(MULTI-SPAN) AND B.O.M.

NO.	DATE	REVISIONS
4	9/13/23	UPDATE TO 8TH ED. (2023) FBC LFS
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: 1/25/12

SCALE: N.T.S.

DWG. BY: KV

CHK. BY: LFS

DRAWING NO.:

FL-15146.6

SHEET 8 OF 8

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