

GAMMANS SKYLIGHT SYSTEMS

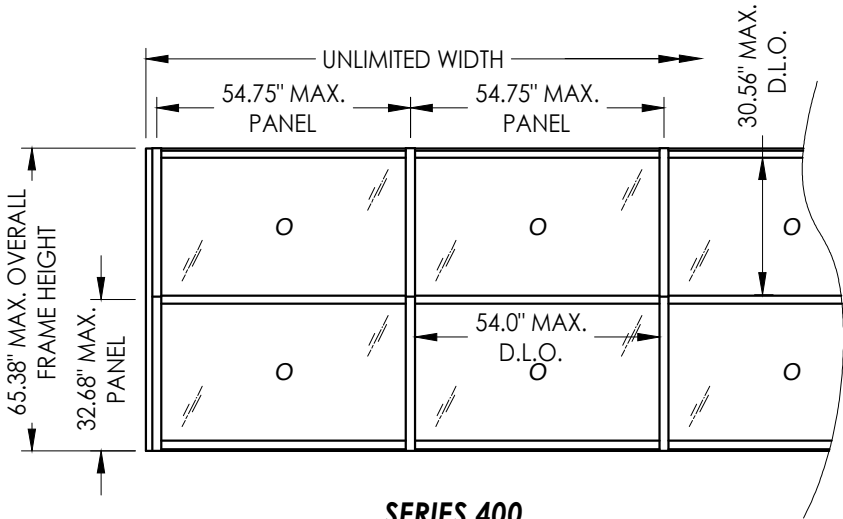
10 Beavers Street, Newnan, GA 30263

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

GENERAL NOTES

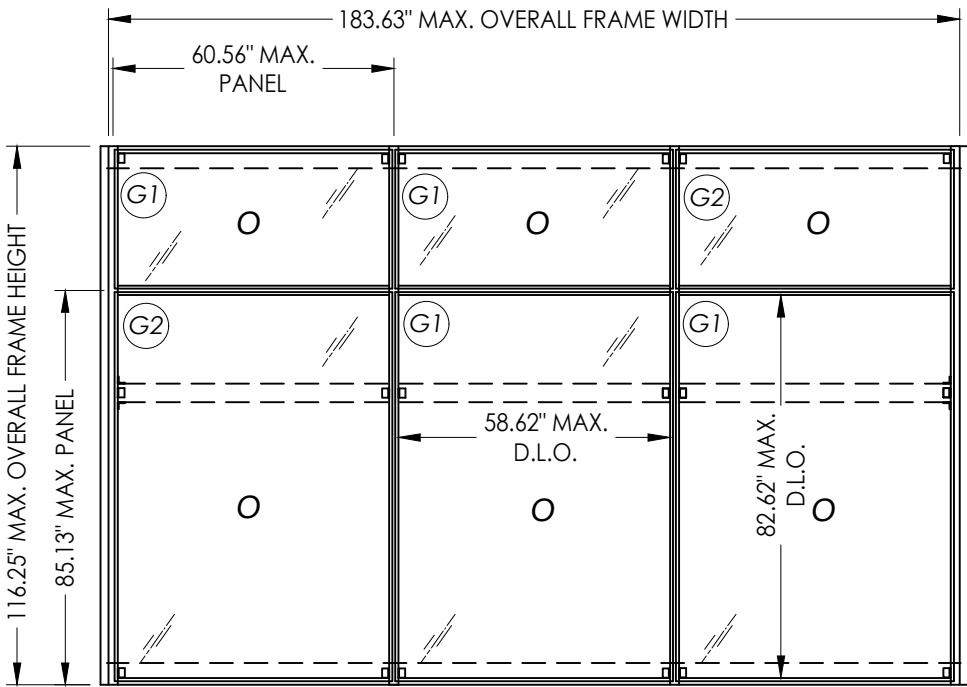
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. When used in the "HVHZ", this product complies with Section 1626 of the FBC as a large missile impact resistant product and does not require an impact resistant covering.
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. All steel shall be protected as specified in FBC Section 2222.6.
7. Glazing > 36" wide requires two (2) setting blocks conforming to FBC Section 2411.3.3.1.

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1	General notes and elevations
2	Series 350, 500, 700 details (multi-span)
3	Series 350, 500, 700 details (multi-span) and b.o.m.
4	Series 400 details (multi-span)
5	Series 400 details (multi-span) and b.o.m.
6	Series 500, 700 details (multi-span)
7	Series 500, 700 details (multi-span) and b.o.m.



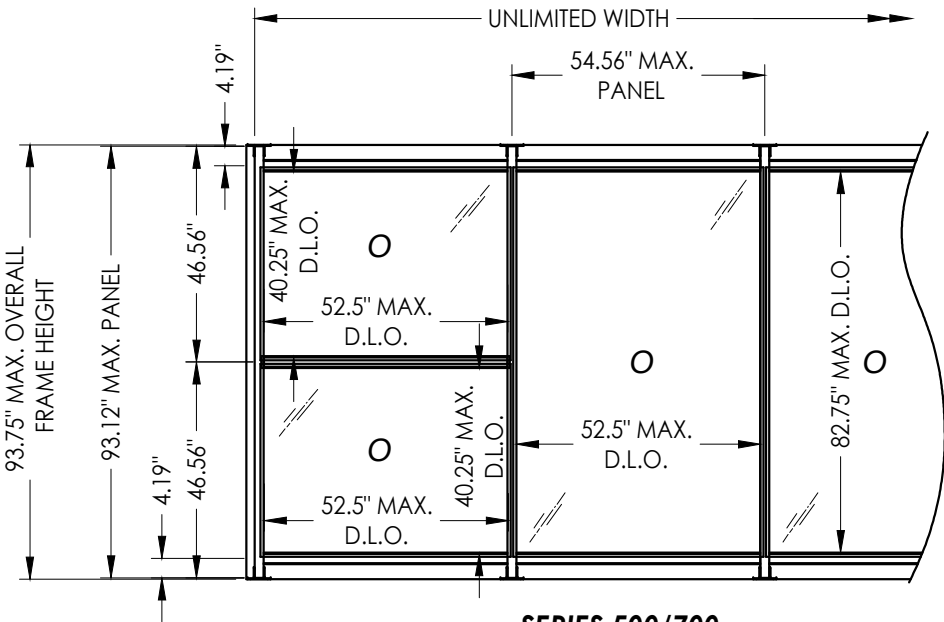
SERIES 400
Multi-span

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"	G4	+50.0	-50.0



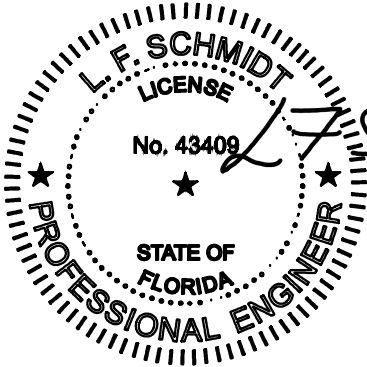
SERIES 350/500/700
Multi-span

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"	G1, G2	+75.4	-75.4



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"	52.5" x 82.75"	G5	+70.0	-70.0



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

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
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

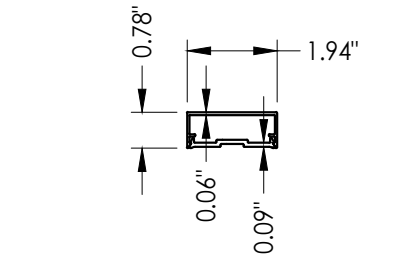
CHK. BY: LFS

DRAWING NO.:

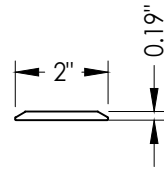
FL-15146.7

SHEET 1 OF 7

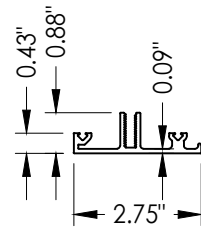
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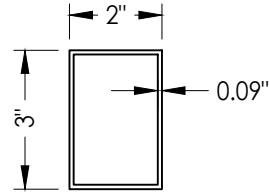
B COMPRESSION PLATE & COVER



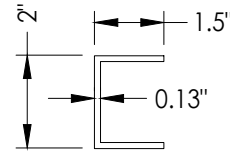
C HORIZONTAL COVER



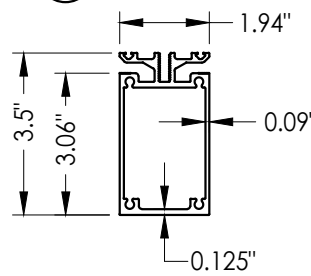
D HORIZONTAL MEMBER



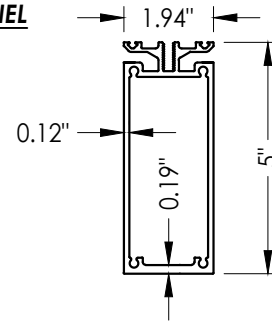
E REINFORCEMENT TUBE



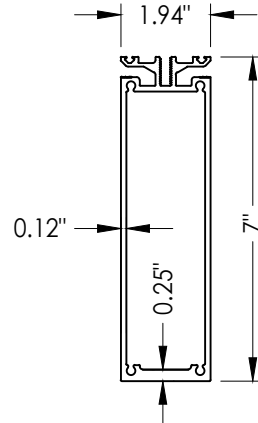
F GLASS COVER CHANNEL



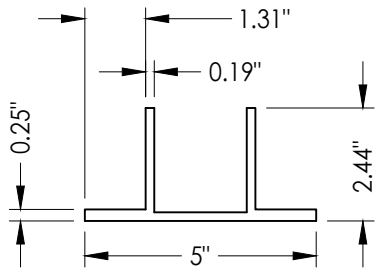
1 SERIES 350 RAFTER



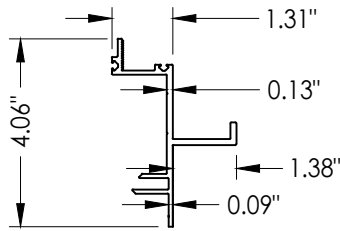
1 SERIES 500 RAFTER
Optional



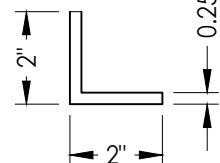
1 SERIES 700 RAFTER
Optional



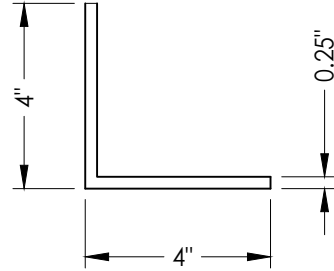
G BRAC-1 SADDLE CLIP
2" wide



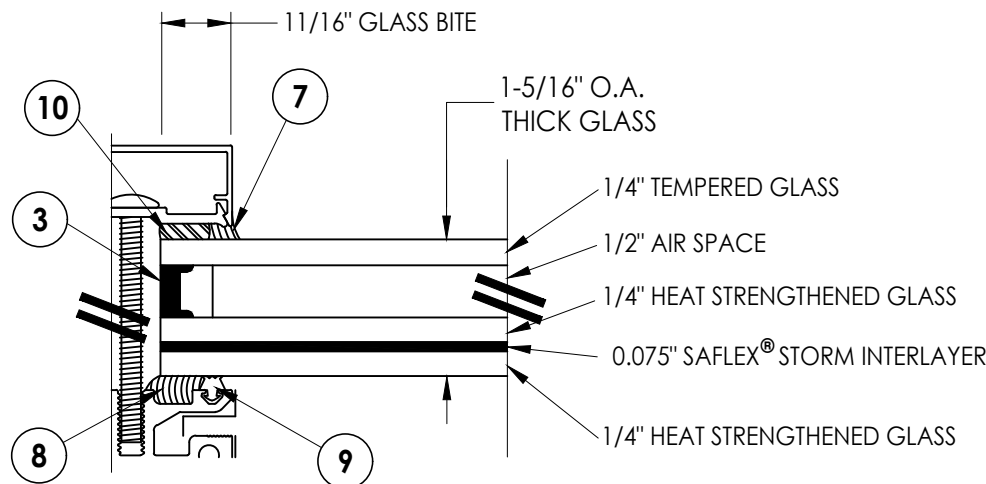
H ALUM. FRAME MEMBER



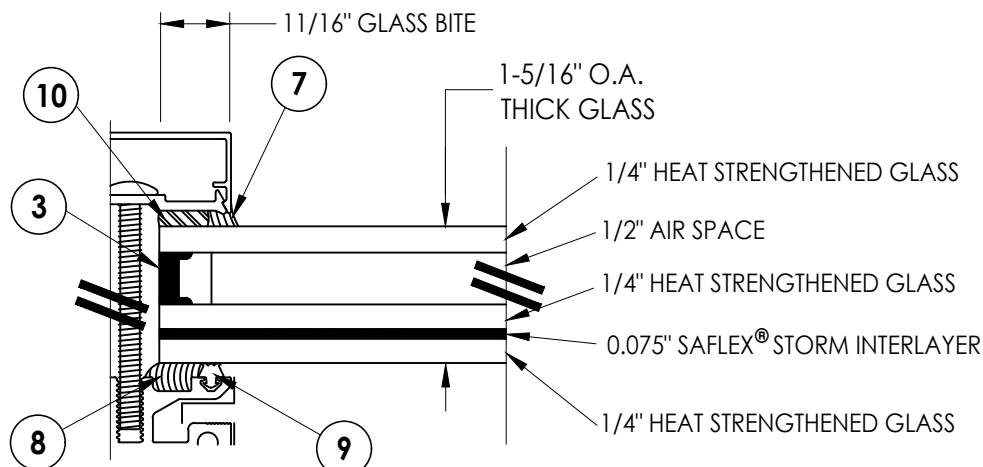
K STEEL ANGLE CLIP
3" wide



J ALUMINUM ANGLE CLIP
3.5" wide



G1 GLAZING DETAIL



G2 GLAZING DETAIL

Do not install above
30ft. above ground

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.
J	ALUMINUM ANGLE CLIP 3.5" WIDE	6063-T5 ALUM.
K	STEEL ANGLE CLIP 3" WIDE	ASTM A-36 STEEL
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	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.

DATE: 1/25/12

SCALE: N.T.S.

DWG. BY: KV

CHK. BY: LFS

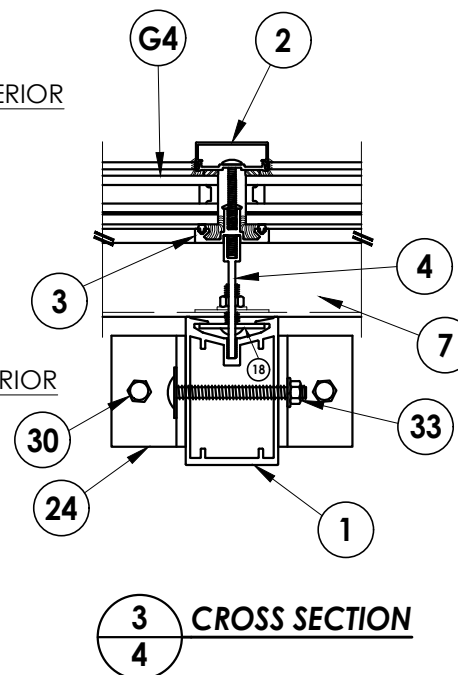
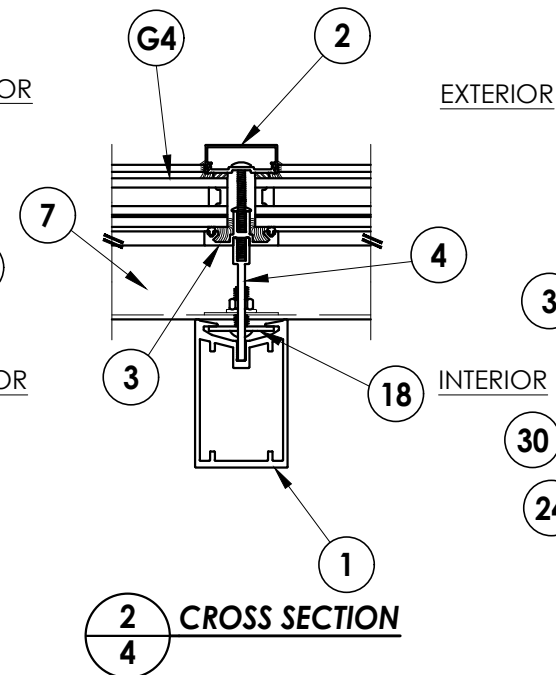
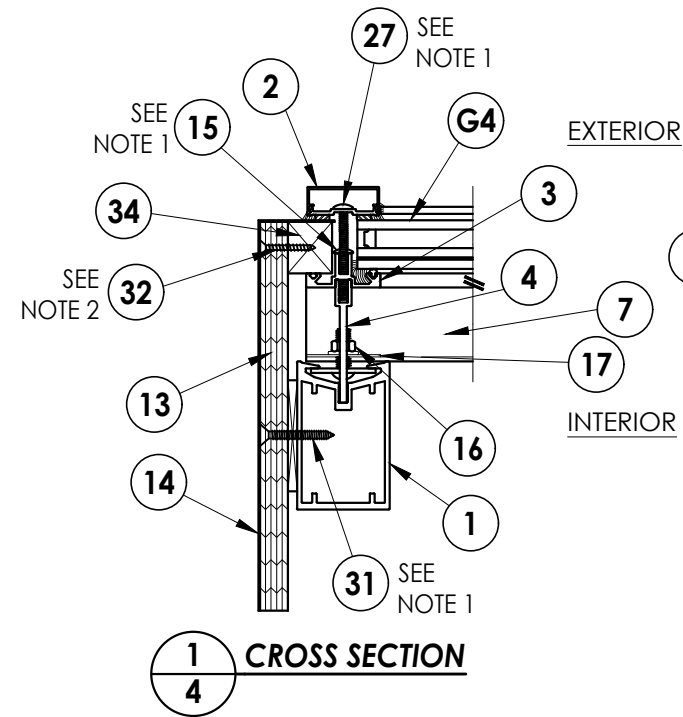
DRAWING NO.:

FL-15146.7

SHEET 3 OF 7

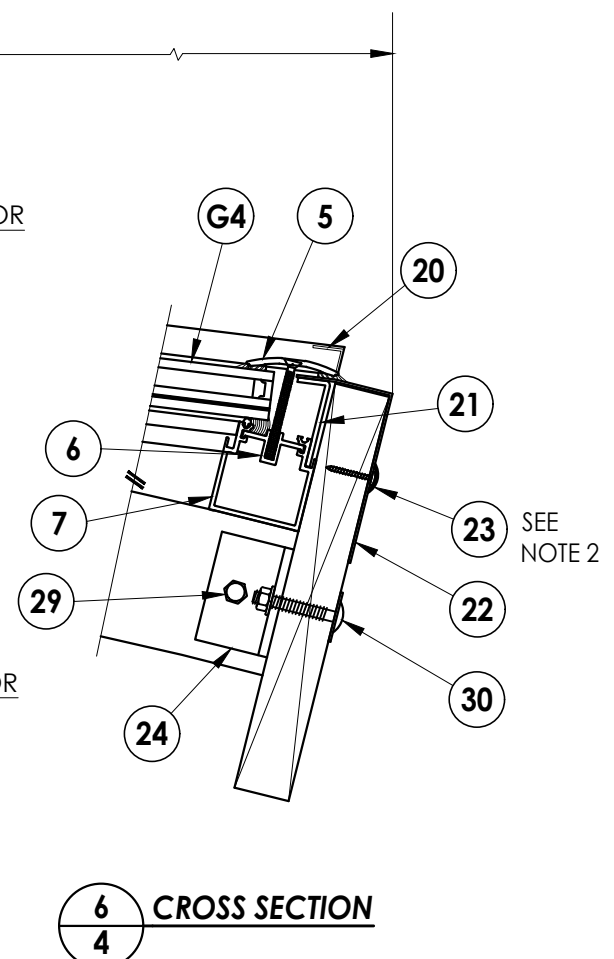
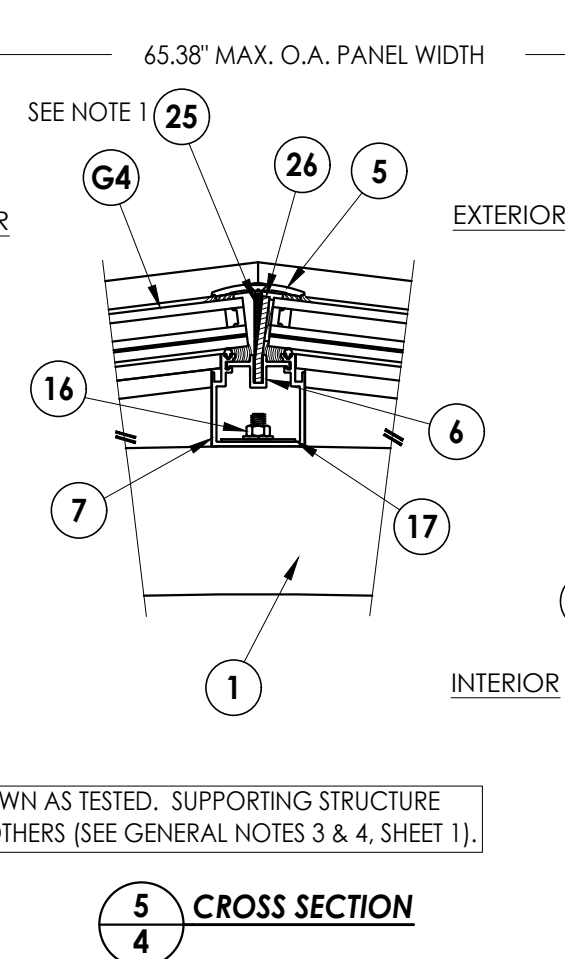
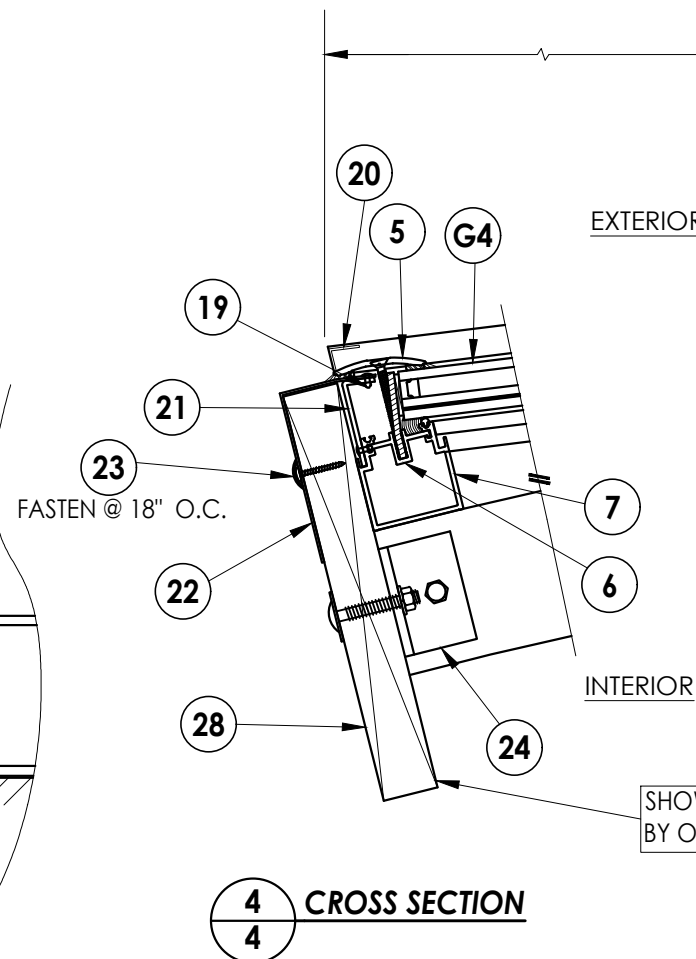
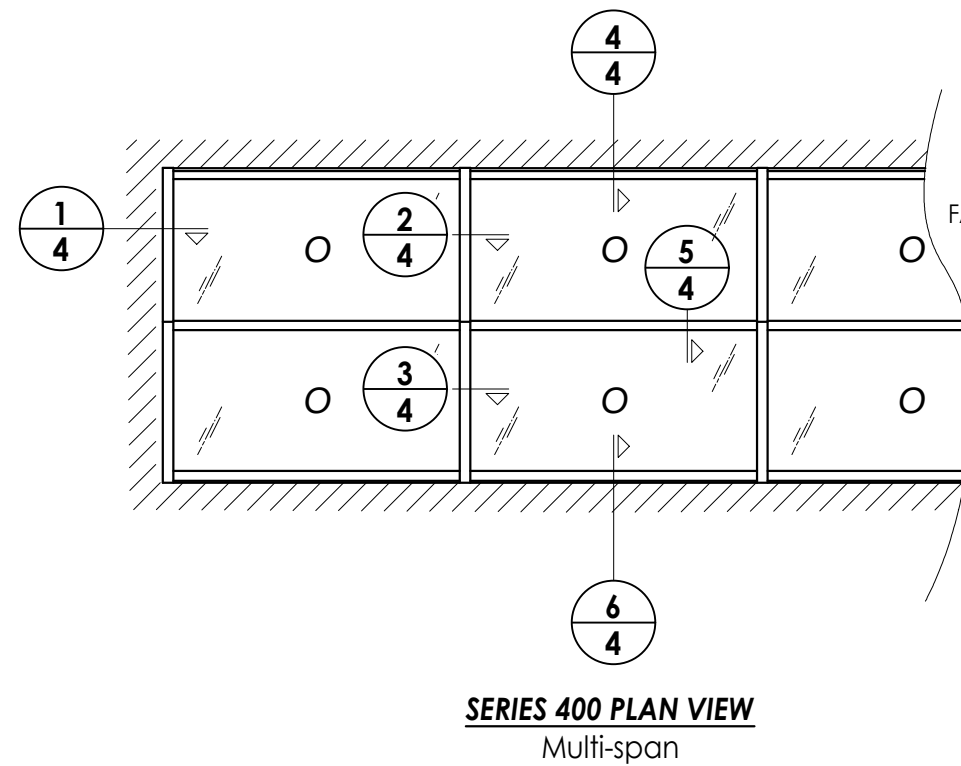
RW BUILDING CONSULTANTS, INC.

P.O. Box 230, Vairico, FL 33595
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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.



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
NO.	DATE				
REVISIONS					

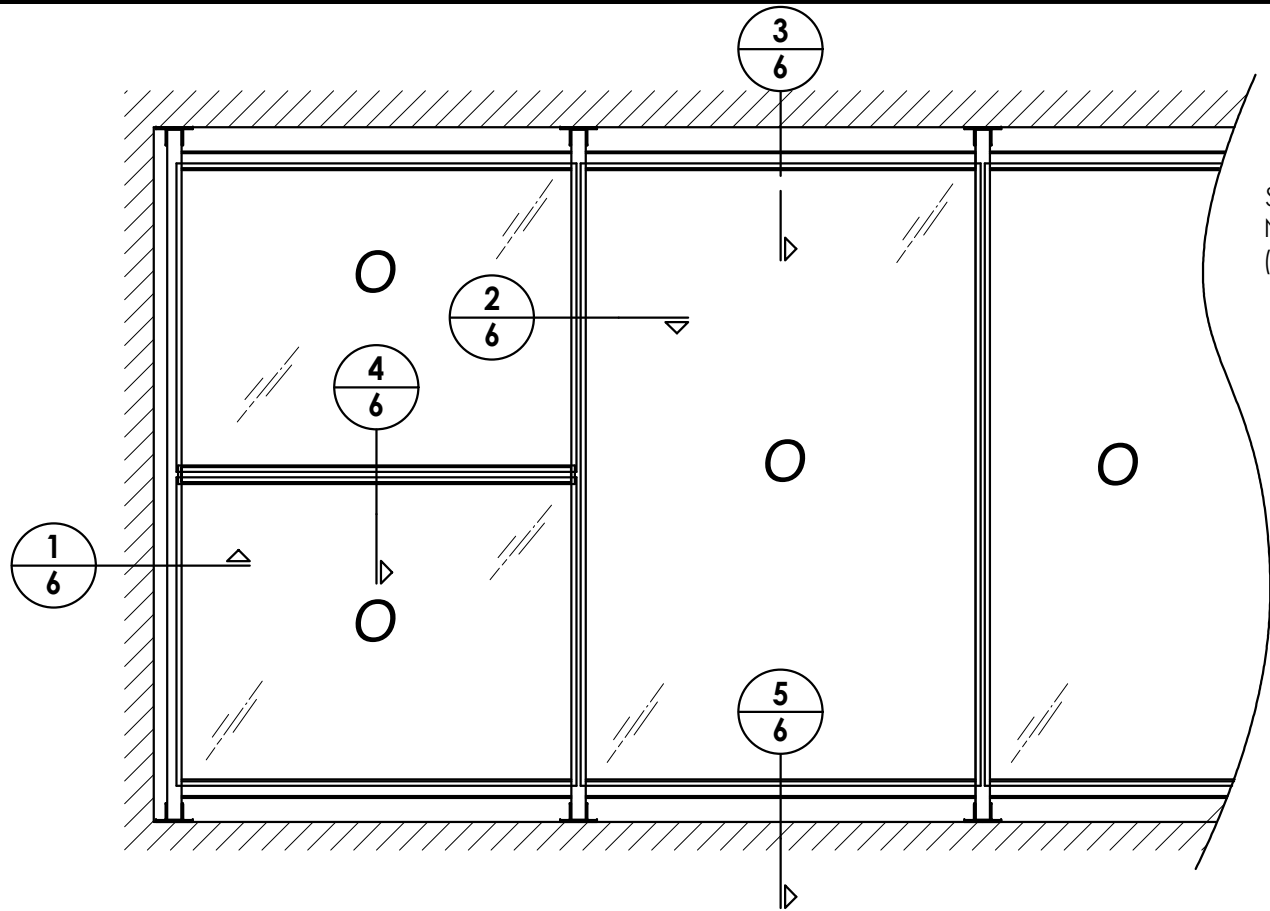
DATE:	1/25/12
SCALE:	N.T.S.
DWG. BY:	KV
CHK. BY:	LFS
DRAWING NO.:	FL-15146.7
SHEET	4 OF 7

Documents Prepared By:
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P.E. No. 43409

PRODUCT: GAMMANS
SERIES 350, 400,
500, 700 FIXED SKYLIGHTS

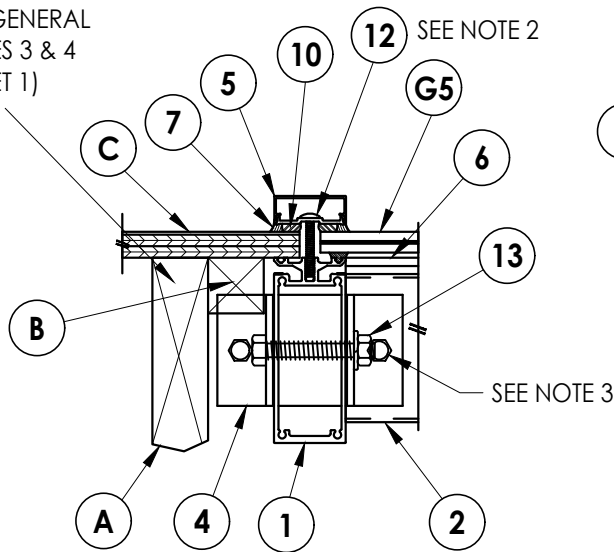
R ASSEMBLY:
SERIES 400 DETAILS
(MULTI-SPAN)

RW BUILDING CONSULTANTS, INC.
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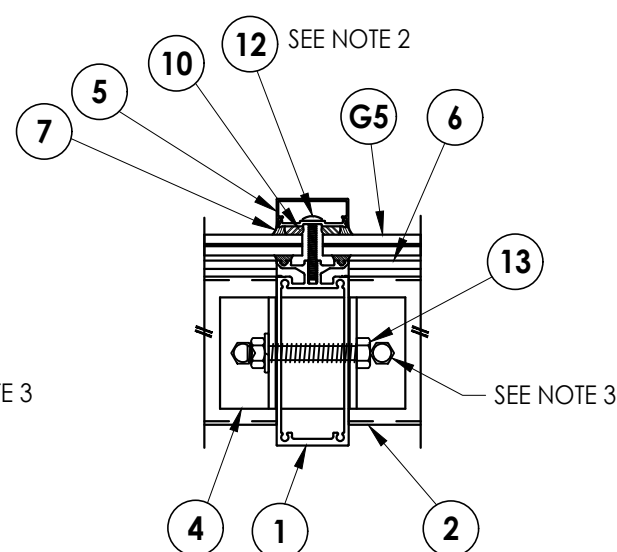


SERIES 500 PLAN VIEW
Multi-span

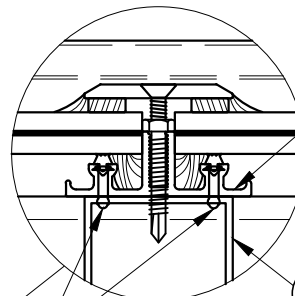
SEE GENERAL
NOTES 3 & 4
(SHEET 1)



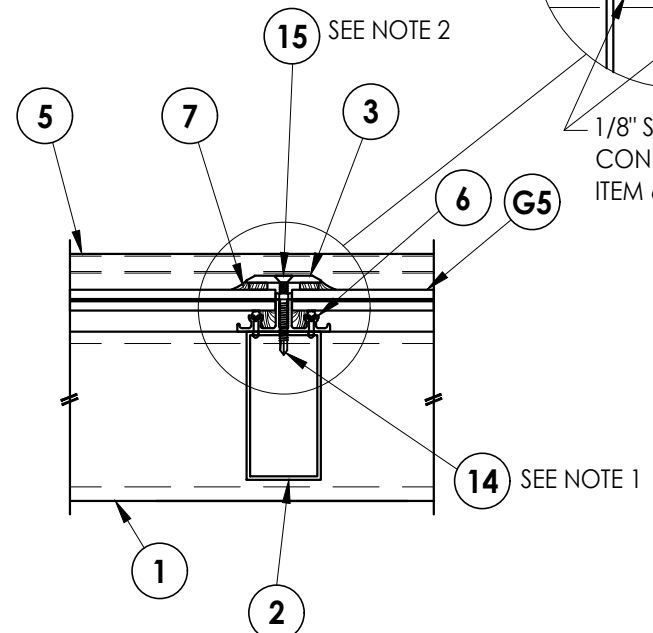
1 CROSS SECTION



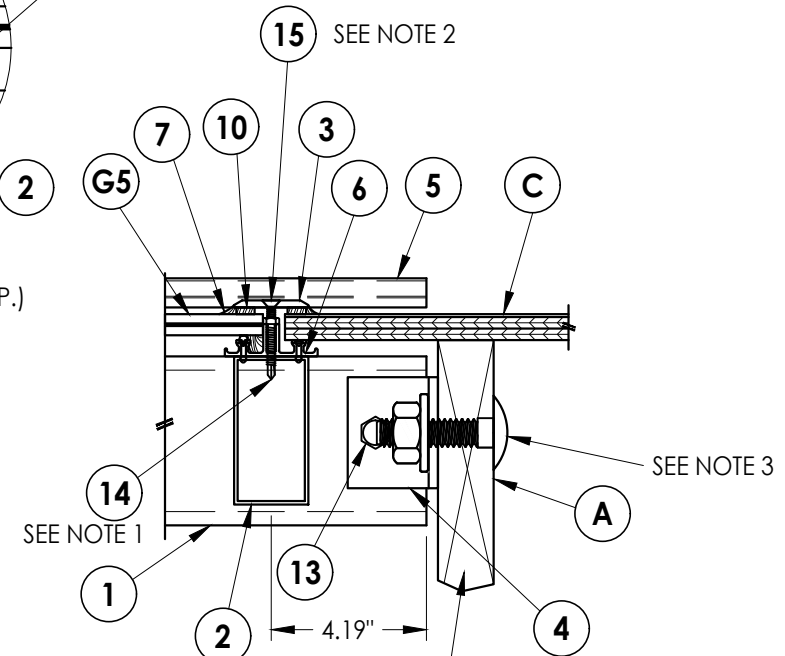
2 CROSS SECTION



1/8" SS POP RIVETS
CONNECTING
ITEM 6 TO ITEM 2 (TYP.)



4 CROSS SECTION



5 CROSS SECTION

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)

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

3 CROSS SECTION

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

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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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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-15146.7

SHEET 6 OF 7

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