

GUERNSEY ARCHITECTURAL SOLUTIONS

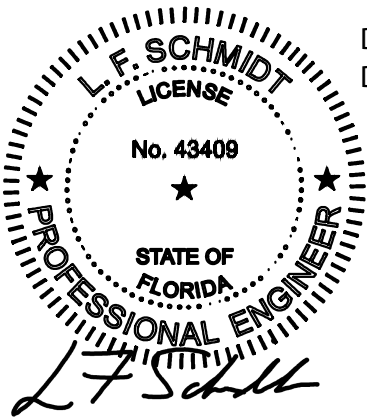
1731 Ranger Avenue, Suite C
Deland, FL 32724

ACM WALL PANELS
(RAIN SCREEN)
"NON-IMPACT"

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 this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
- 3. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- 4. The wall panels are shown (as tested) attached to 16 ga. metal studs at a maximum stud spacing of 16" o.c. The metal studs are part of the support structure and shall be designed by the architect or engineer of record and submitted to the permitting jurisdiction for review and approval. The wall panels may also be attached directly to other substrate materials as specified by the architect or engineer of record.
- 5. The wall panels shall not be used to resist diaphragm forces. Supplemental lateral bracing required.
- 6. The wall panel shall not be used to resist any axial forces other than self-weight. Supplemental vertical support for floor and roof systems is required.

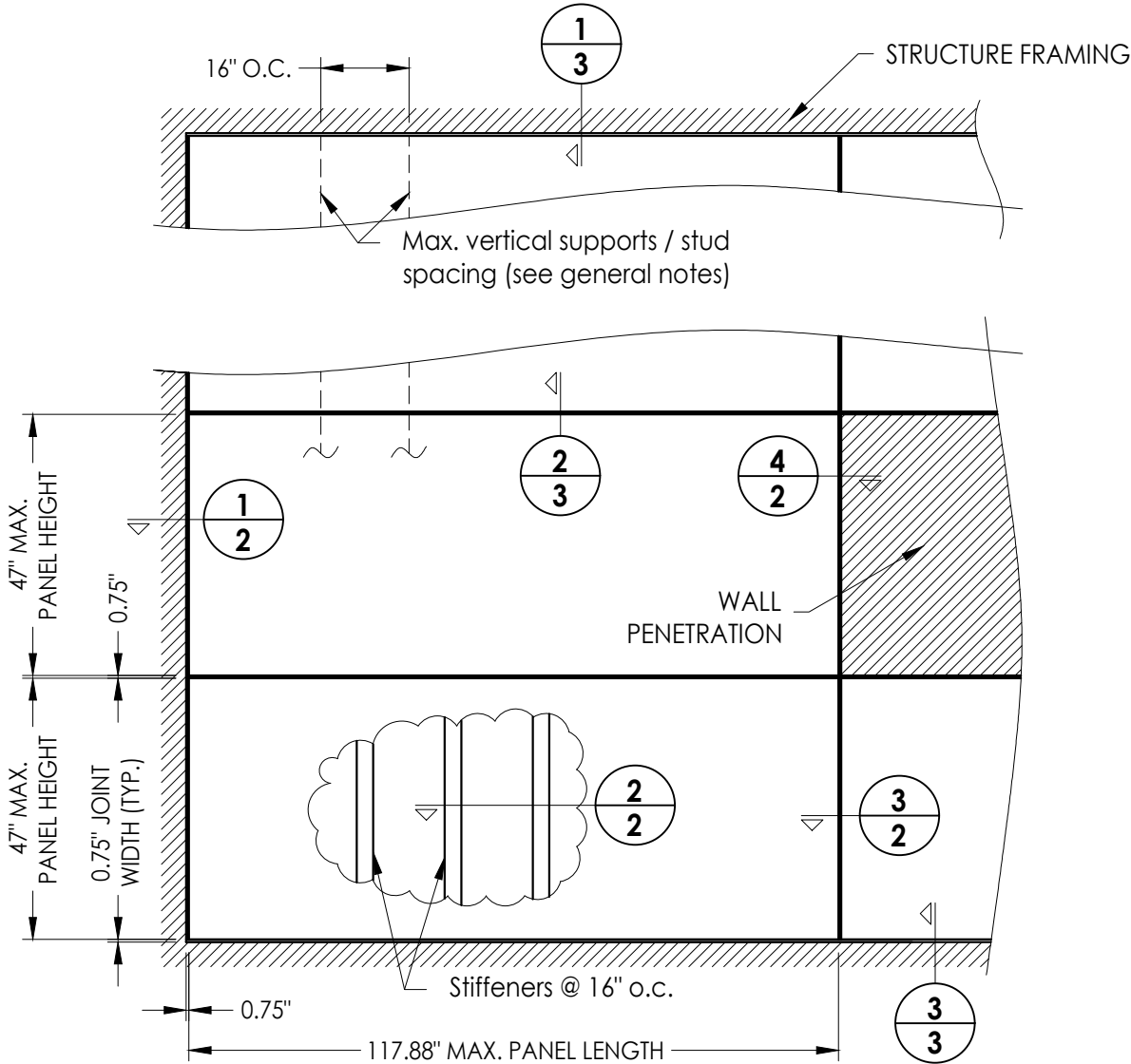
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SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Panel details
5	Bill of materials & components



Digitally signed by Lyndon F Schmidt
Date: 2023.09.13 11:43:40 -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



MAX. PANEL DIMENSION	STIFFENER SPACING	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
47.0" x 117.88"	16" O.C.	+25.0	-25.0

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

GUERNSEY ARCHITECTURAL SOLUTIONS
PANEL SYSTEM

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

6

9/13/23

UPDATE TO 8TH ED. (2023)

FBC

LFS

5

10/01/20

UPDATE TO 7TH ED. (2020)

FBC

LFS

4

7/11/17

UPDATE TO 6TH ED. (2017)

FBC

LFS

3

8/26/15

UPDATE TO 5TH ED. (2014)

FBC

JK

2

1/4/12

UPDATE TO 2010 FBC

KV

1

7/9/09

REVISED GENERAL NOTES

AL

NO.

DATE

BY

REVISIONS

DATE: 3/17/09

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

DRAWING NO.: FL-12389.1

SHEET 1 OF 5

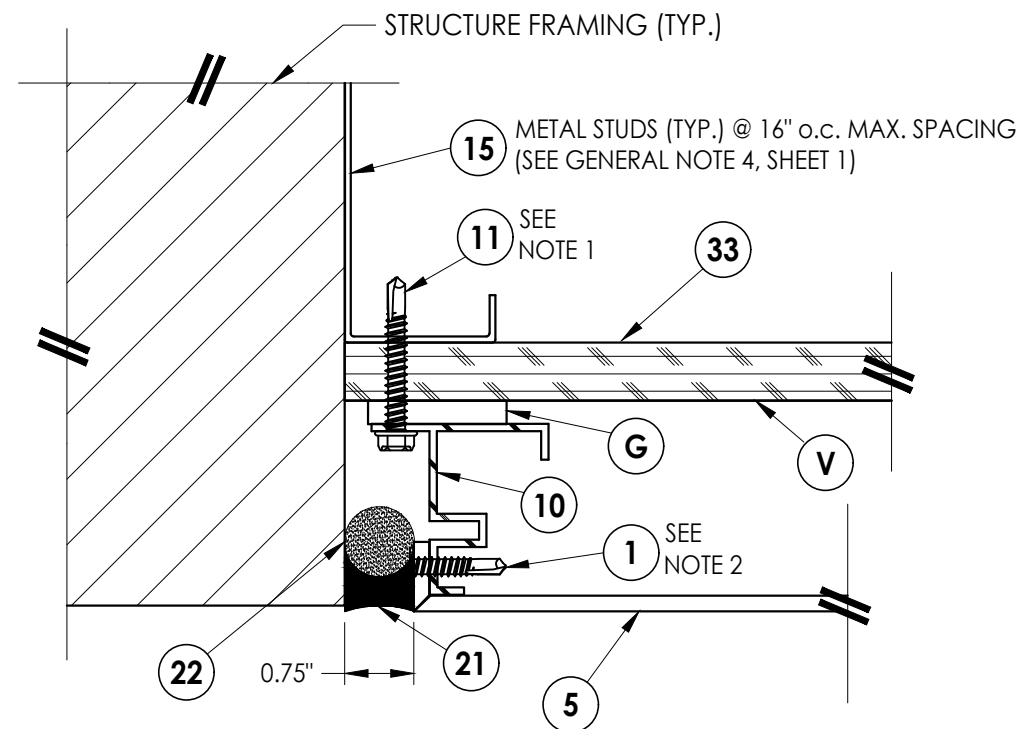
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P.O. Box 230, Vairico, FL 33595

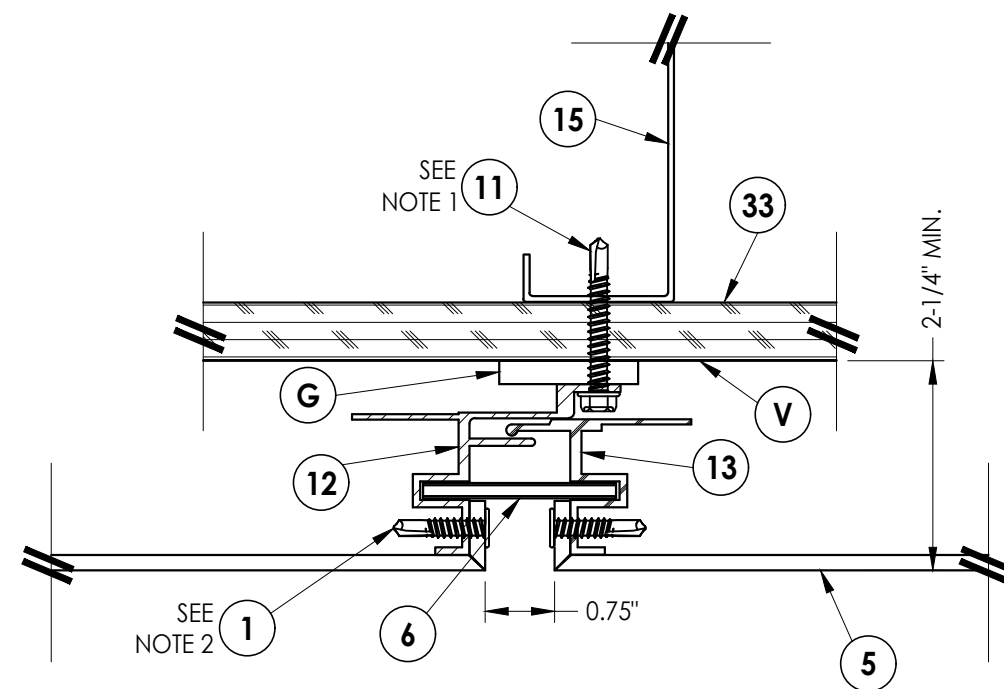
Phone No.: 813.659.9197

FBPE Registry No. 9813

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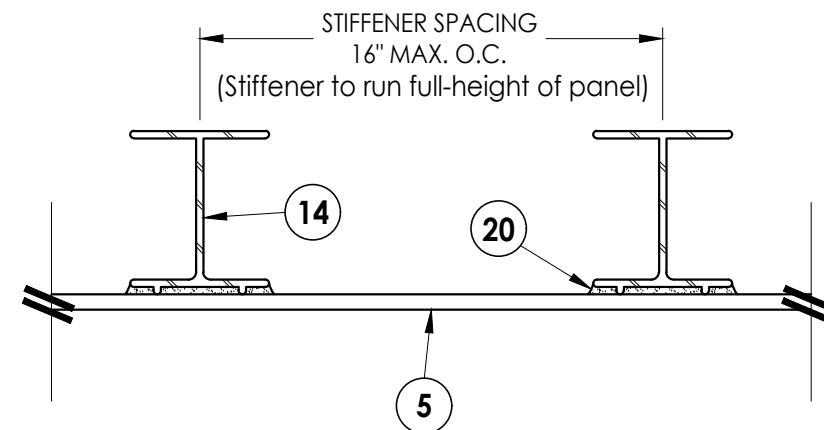


1 HORIZONTAL CROSS SECTION

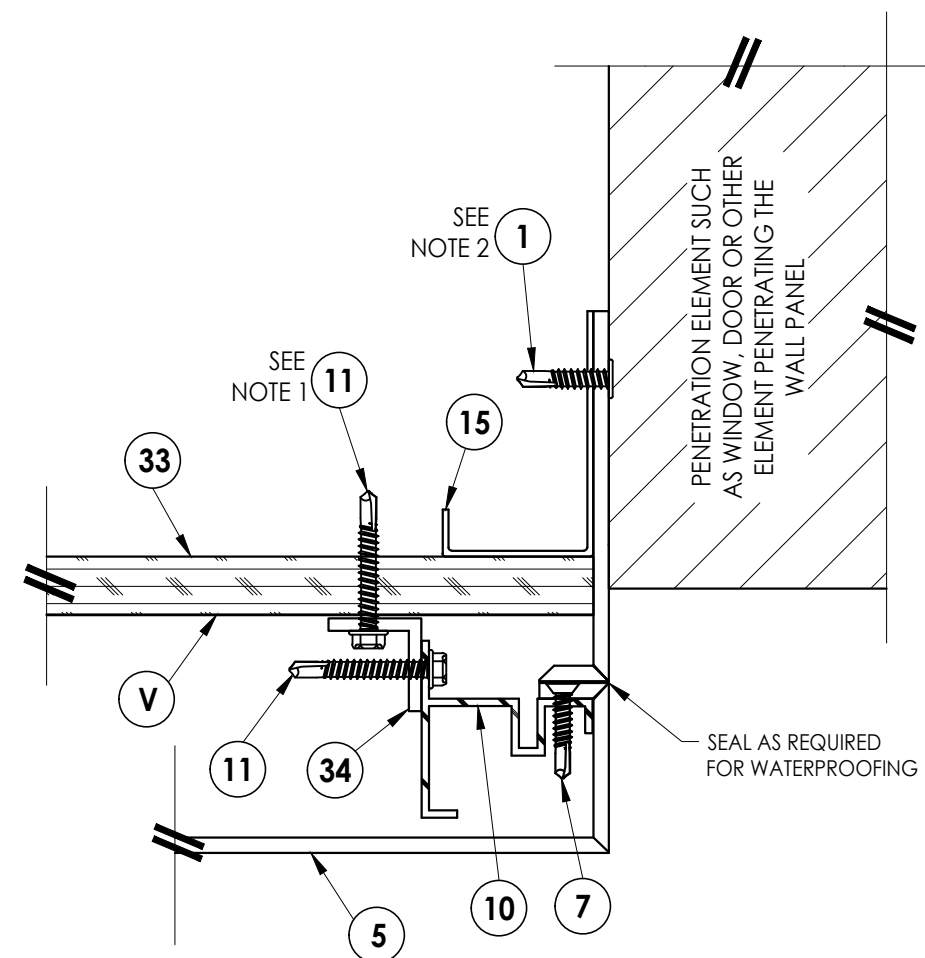


3 **HORIZONTAL CROSS SECTION**
2

- ANCHOR NOTES:
1. Spacing for item #11: 1-1/2" @ ends and 8" o.c. throughout.
 2. Spacing for item #1: 1-1/2" @ ends and 8" o.c. throughout.



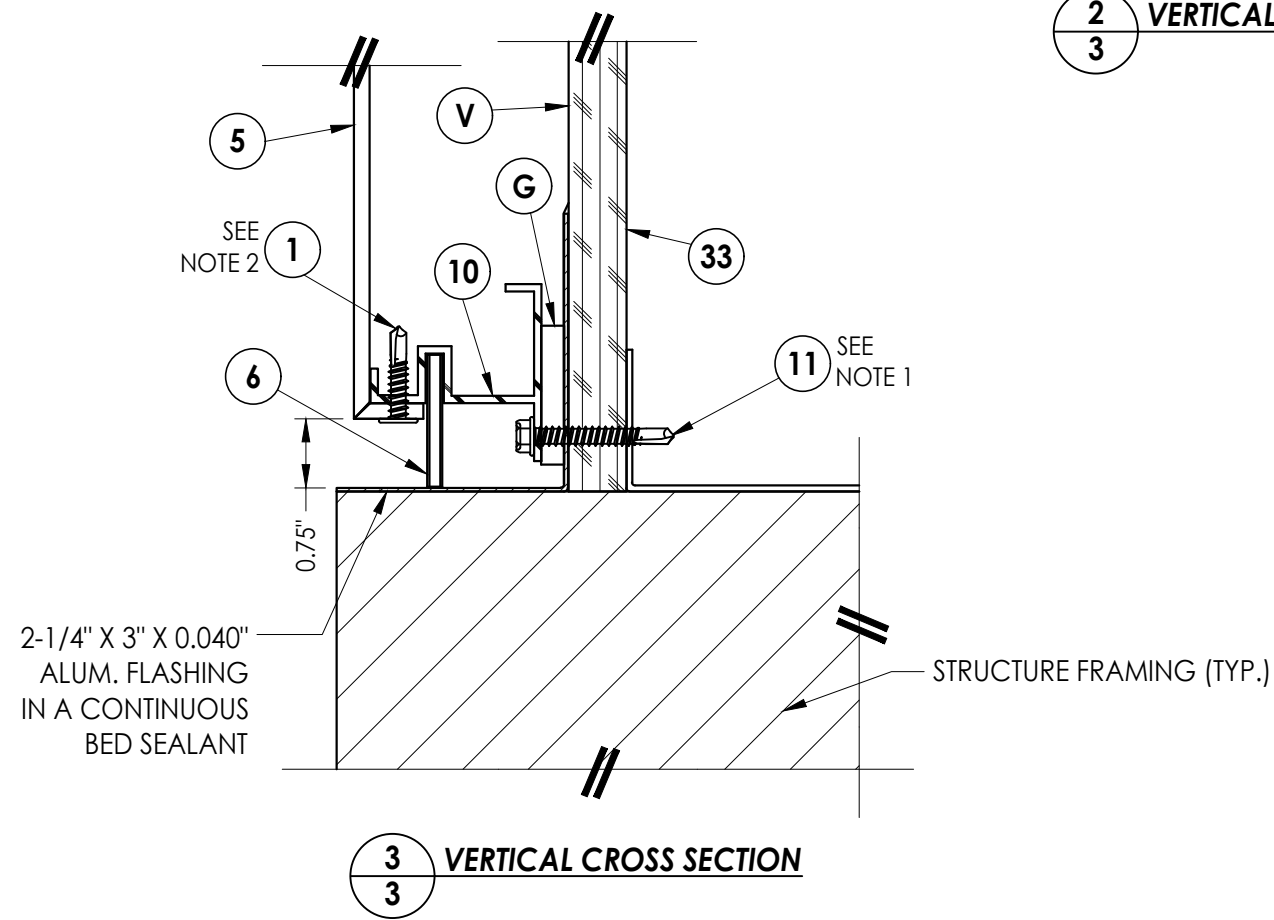
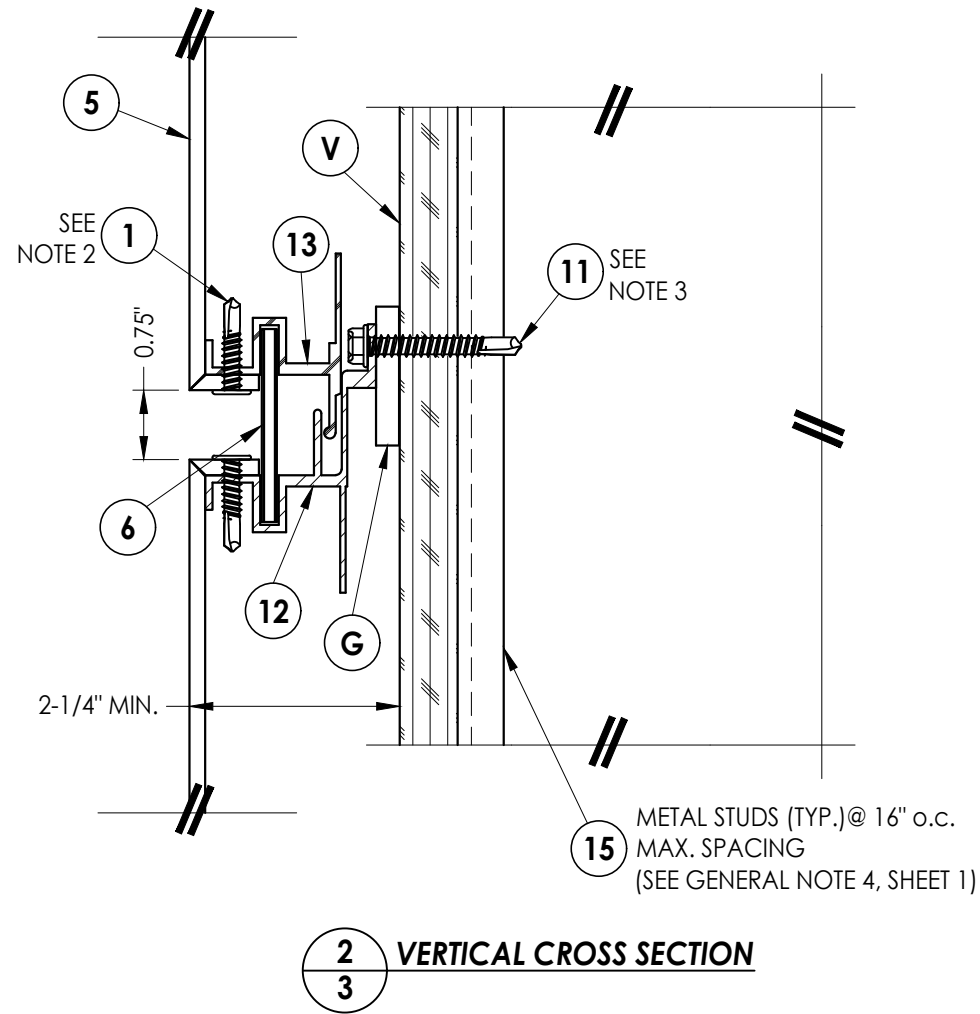
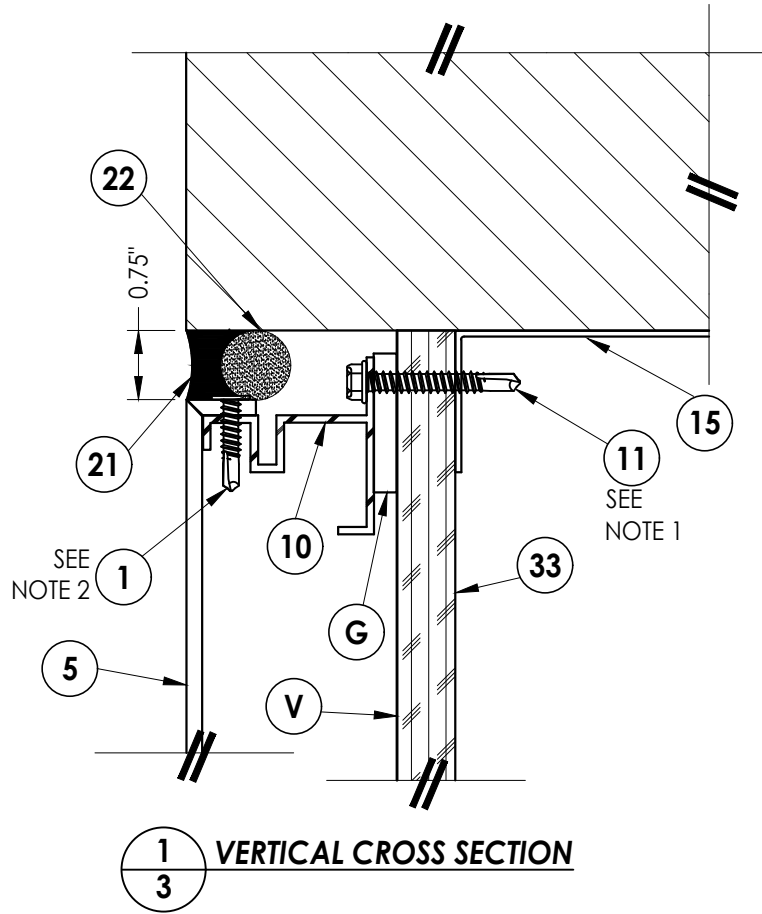
2 **HORIZONTAL CROSS SECTION**



4 **HORIZONTAL CROSS SECTION**
2

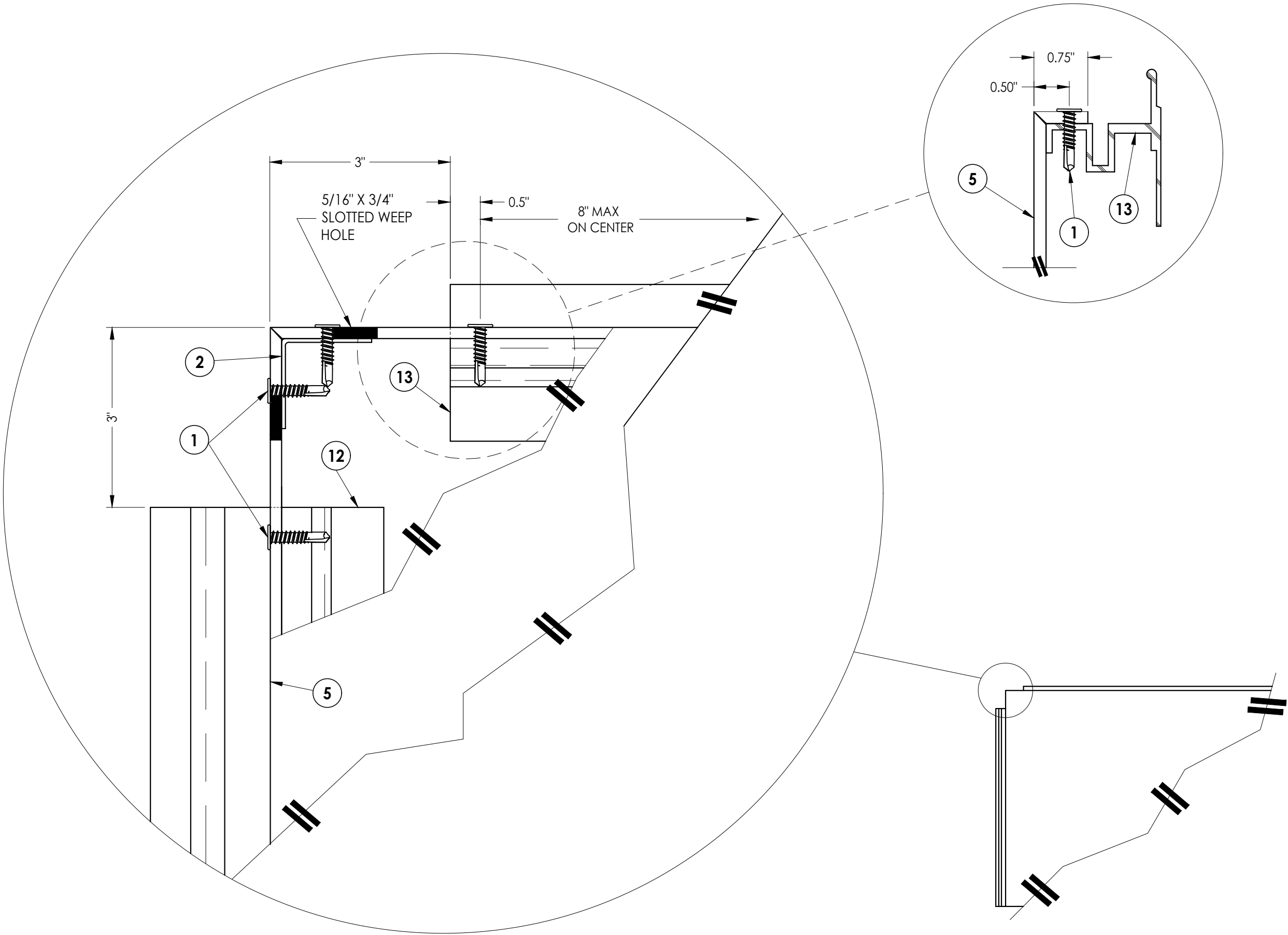
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DRAWING NO.:							
FL-12389.1							
CHK. BY: LFS							
DWG. BY: AL							
SCALE: N.T.S.							
DATE: 3/17/09							
6	9/13/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS		
5	10/01/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS		
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3	8/26/15	UPDATE TO 5TH ED.	(2014)	FBC	JK		
2	1/4/12	UPDATE TO 2010 FBC			KV		
1	7/9/09	REVISED GENERAL NOTES			AL		
NO.	DATE				BY		
REVISIONS							
PRODUCT:					DOCUMENTS PREPARED BY:		
GUERNSEY ARCHITECTURAL SOLUTIONS					Lyndon F. Schmidt		
PANEL SYSTEM					P.E. No. 43409		
PART OR ASSEMBLY:					 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813		
HORIZONTAL CROSS SECTIONS							

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- ANCHOR NOTES:**
1. Spacing for item #11: 1-1/2" @ ends and 8" o.c. throughout.
 2. Spacing for item #1: 1-1/2" @ ends and 8" o.c. throughout.
 3. Spacing for item #11: (2) @ each vertical stud.

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				
PRODUCT: GUERNSEY ARCHITECTURAL SOLUTIONS PANEL SYSTEM					PART OR ASSEMBLY: VERTICAL CROSS SECTIONS				
6	9/13/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	REVISIONS				
5	10/01/20	UPDATE TO 7TH ED. (2020)	FBC	LFS					
4	7/11/17	UPDATE TO 6TH ED. (2017)	FBC	LFS					
3	8/26/15	UPDATE TO 5TH ED. (2014)	FBC	JK					
2	1/4/12	UPDATE TO 2010 FBC	KV						
1	7/9/09	REVISED GENERAL NOTES	AL						
NO.		DATE		BY					
DATE: 3/17/09									
SCALE: N.T.S.									
DWG. BY: AL									
CHK. BY: LFS									
DRAWING NO.: FL-12389.1									
SHEET 3 OF 5									



SHEET 4 OF 5

DRAWING NO.: FL-12389.1

CHK. BY: LFS

DWG. BY: AL

SCALE: N.T.S.

DATE: 3/17/09

NO.	DATE	REVISIONS					
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2	1/4/12	UPDATE TO 2010 FBC			KV		
1	7/9/09	REVISED GENERAL NOTES			AL		

PART OR ASSEMBLY:

PANEL DETAIL

PRODUCT:
GUERNSEY ARCHITECTURAL
SOLUTIONS
PANEL SYSTEM

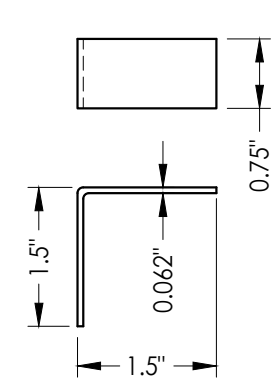
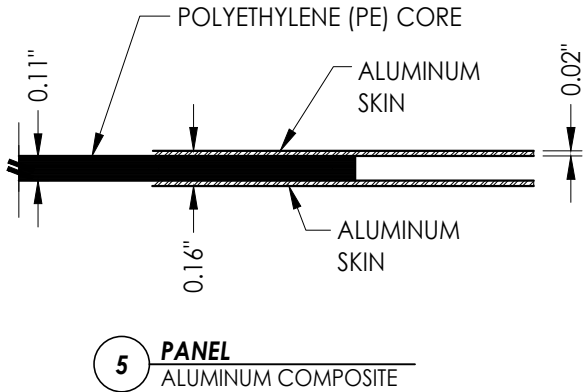
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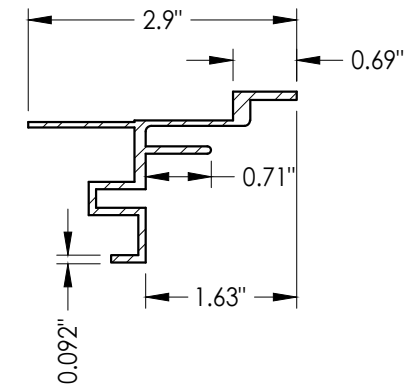
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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
G	1/4" SHIM SPACE	HC PLASTIC
V	VAPOR BARRIER (TYVEK)	-
1	#8 X 3/4" FH TEK FASTENER (SELF-DRILLING SMS - SS)	STEEL
2	1-1/2" X 1-1/2" CORNER BRACKET	6063-T6 ALUM.
5	4mm ALUMINUM COMPOSITE PANEL (Reynobond)	ALUM/COMP
6	4mm TRIM STRIP	ALUM/COMP
7	#8 X 3/4" PH TEK FASTENER (SELF-DRILLING SMS - ZINC COATED)	STEEL
10	TERMINATOR EXTRUSION	6063-T6 ALUM.
11	#12 X 2" HWH TEK FASTENER (ZINC COATED)	STEEL
12	FEMALE EXTRUSION	6063-T6 ALUM.
13	MALE EXTRUSION	6063-T6 ALUM.
14	STIFFENER	6063-T6 ALUM.
15	METAL STUD - 16 ga.**	STEEL
20	DOW 1199 SEALANT	SILICONE
21	DOW 795 SEALANT	SILICONE
22	FOAM BACKER ROD	FOAM
33	5/8" PLYWOOD**	WOOD
34	1"X1" L-BRACKET	6063-T6 ALUM.

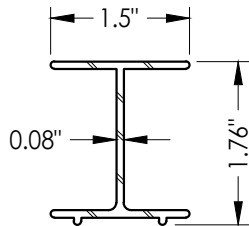
**SEE GENERAL NOTE 4, SHEET 1



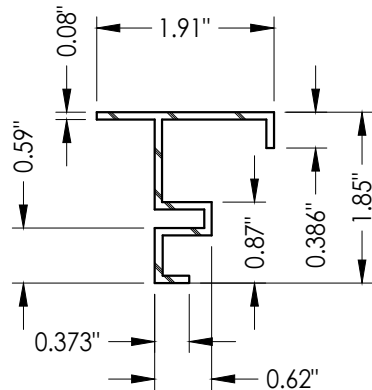
2 CORNER BRACKET



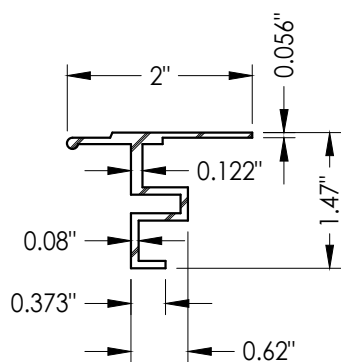
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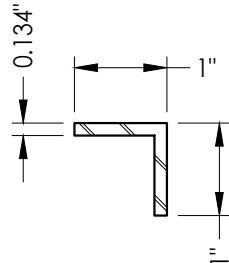
14 STIFFENER



10 TERMINATOR EXTRUSION



13 MALE EXTRUSION



34 "L" BRACKET

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P.E. No. 43409

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PANEL SYSTEM

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& COMPONENTS

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DWG. BY: AL

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SHEET 5 OF 5