

GUERNSEY ARCHITECTURAL SOLUTIONS

1731 Ranger Avenue, Suite C
Deland, FL 32724

ACM WALL PANELS
(WET SEAL)

"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 or be directly attached to an impact approved substrate.
3.

Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
4.

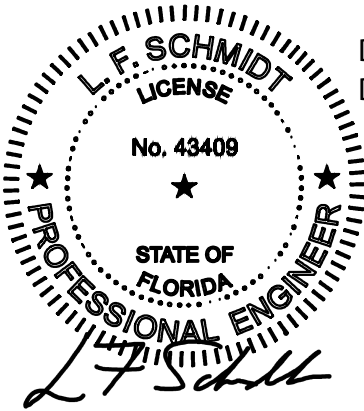
This product meets water infiltration requirements for "HVHZ".
5.

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.
6.

The wall panels shall not be used to resist diaphragm forces. Supplemental lateral bracing required.
7.

The wall panels shall not be used to resist any axial forces other than self-weight. Supplemental vertical support for floor and roof systems is required.

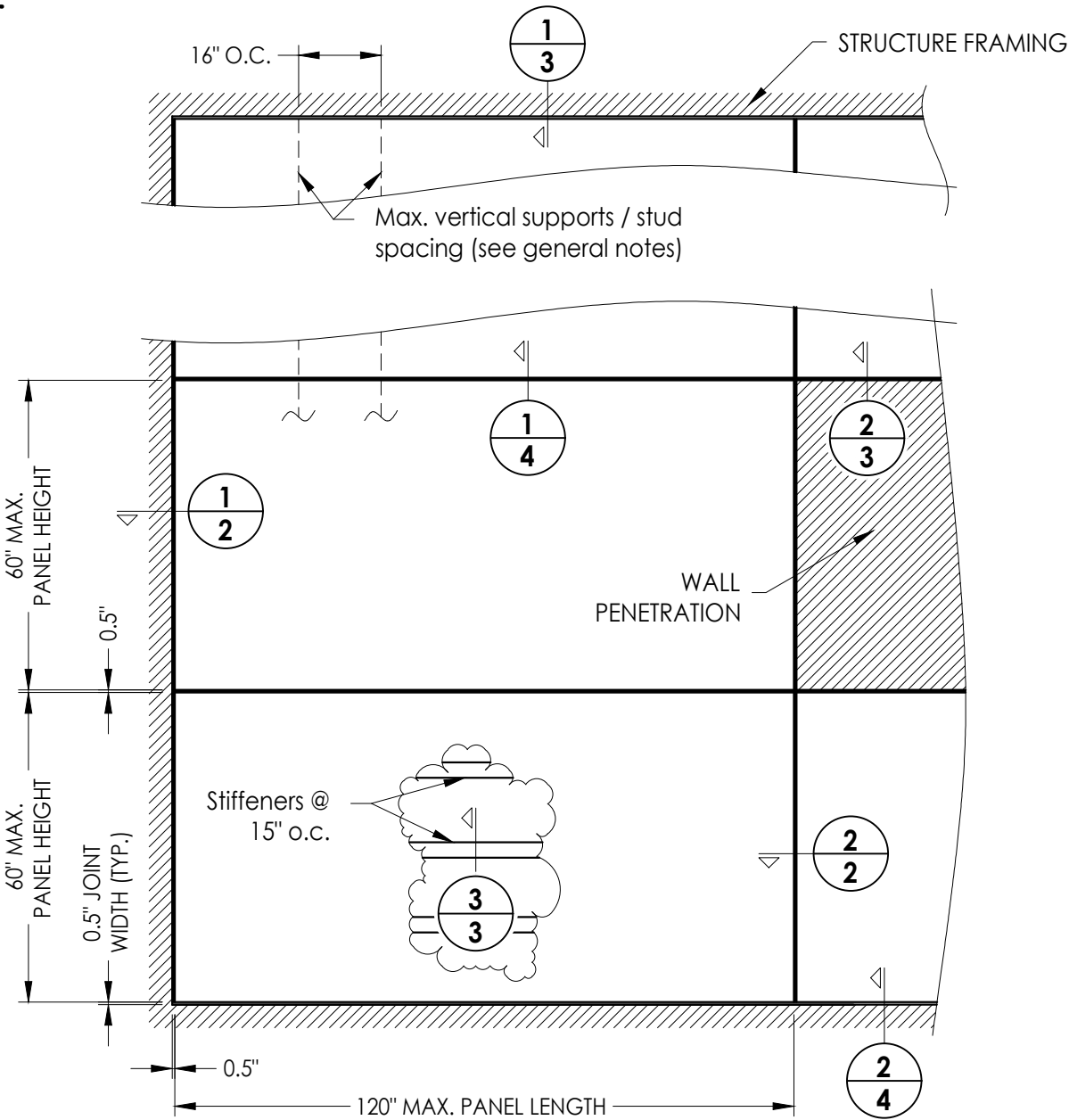
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal cross sections
3	Vertical cross sections
4	Vertical cross sections
5	Panel details
6	Bill of materials & components



Digitally signed by Lyndon F Schmidt
Date: 2023.09.13 11:44:56 -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
60.0" x 120.0"	15" O.C.	+60.0	-60.0

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

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

PRODUCT:
GUERNSEY ARCHITECTURAL SOLUTIONS
PANEL SYSTEM

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

NO.	DATE	REVISIONS
8	9/13/23	UPDATE TO 8TH ED. (2023) FBC
7	10/01/20	UPDATE TO 7TH ED. (2020) FBC
6	7/11/17	UPDATE TO 6TH ED. (2017) FBC
5	8/26/15	UPDATE TO 5TH ED. (2014) FBC
4	8/28/14	ADDED OPTIONAL EXTRUSIONS
3	1/4/12	UPDATE TO 2010 FBC

DATE: 3/17/09

SCALE: N.T.S.

DWG. BY: AL

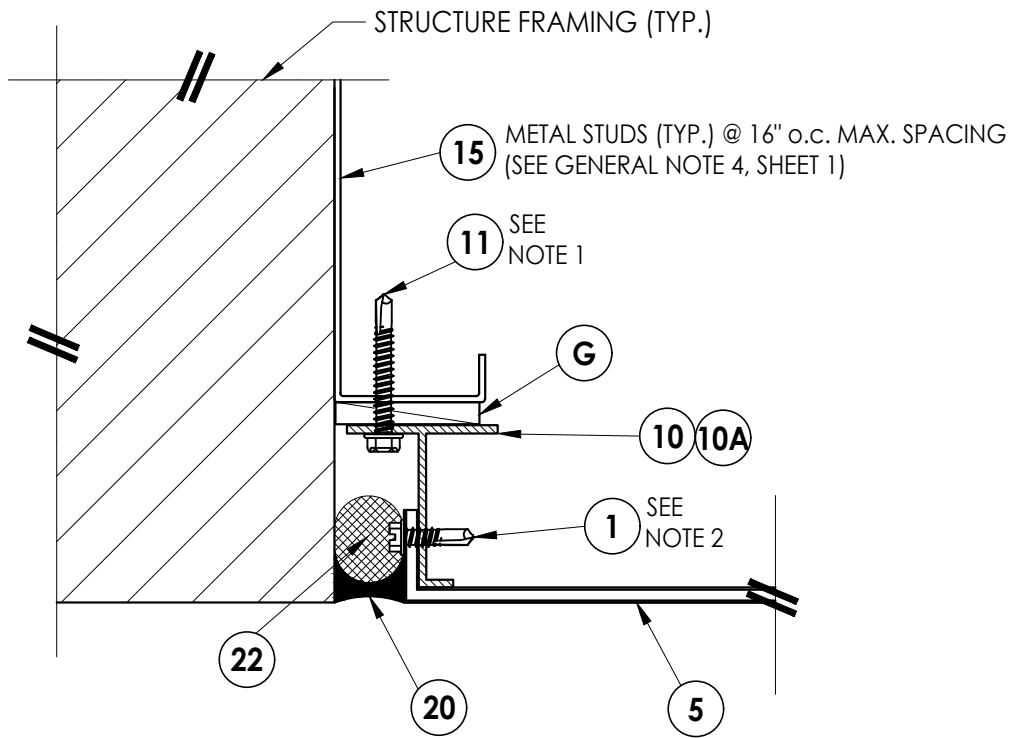
CHK. BY: LFS

DRAWING NO.:

FL-12389.3

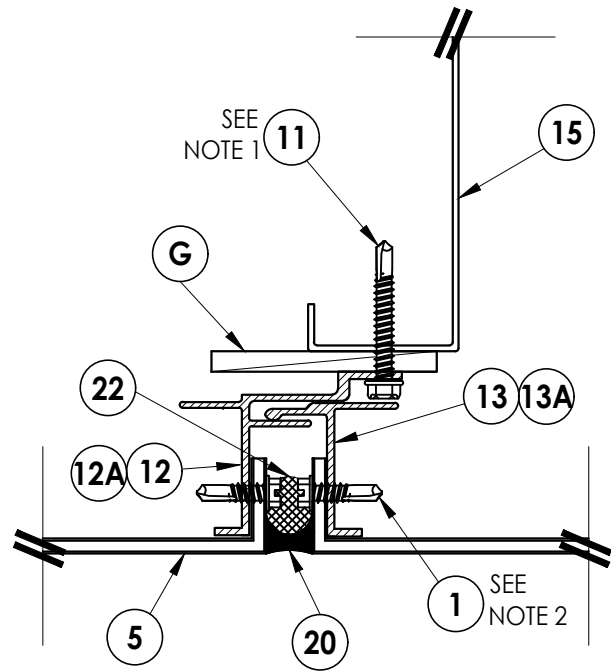
SHEET 1 OF 6

Z:\2023 FBC Drawings\Guernsey Architectural Solutions\FL-12389 R6\FL-12389.1-3.dwg



1 HORIZONTAL CROSS SECTION
2

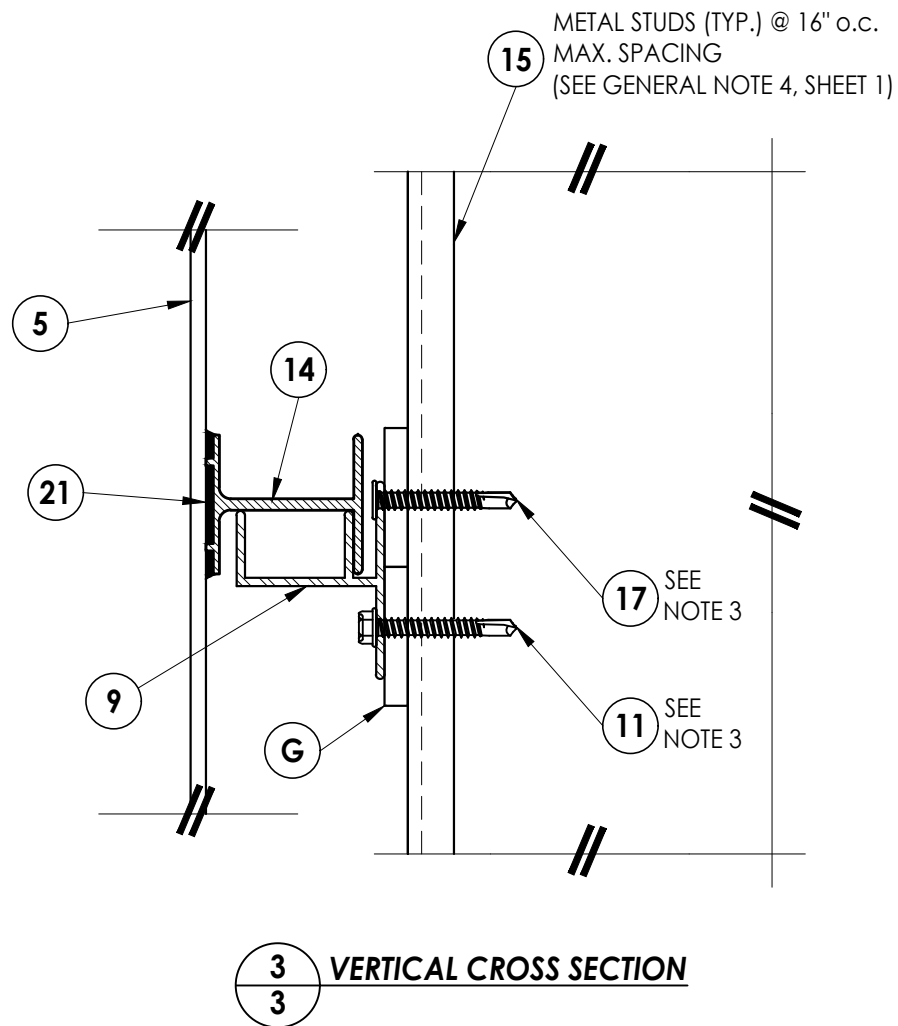
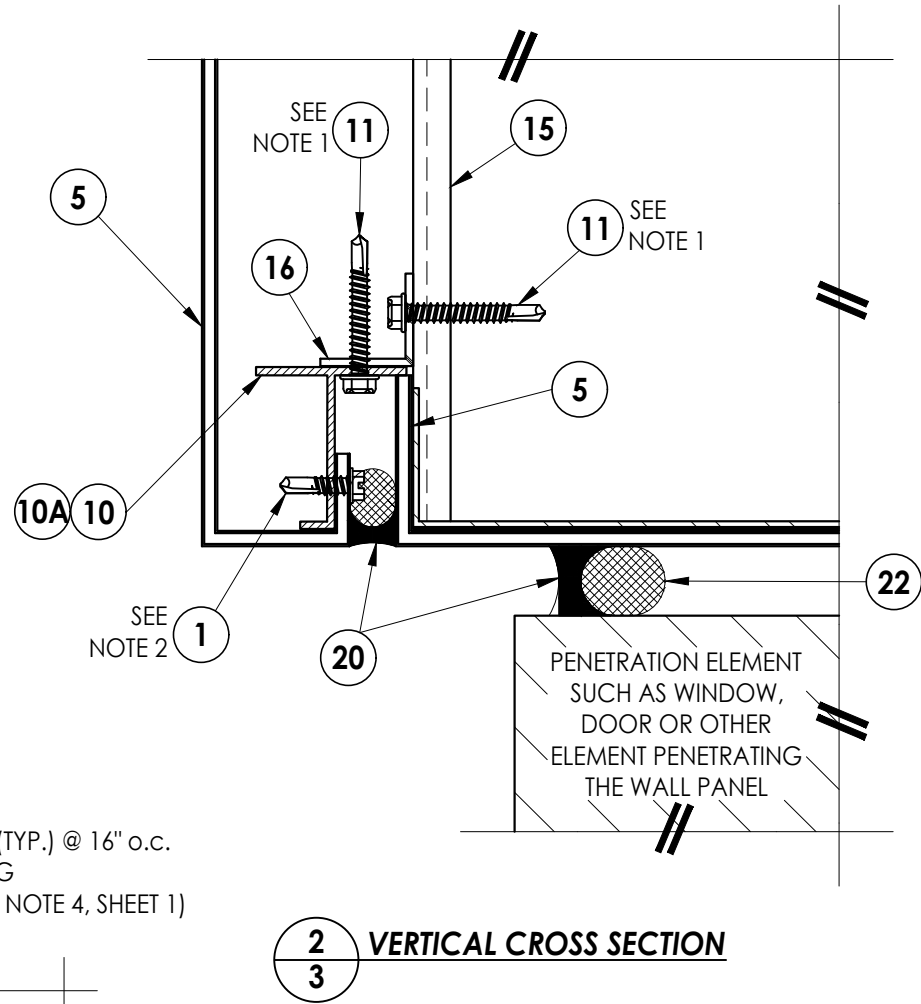
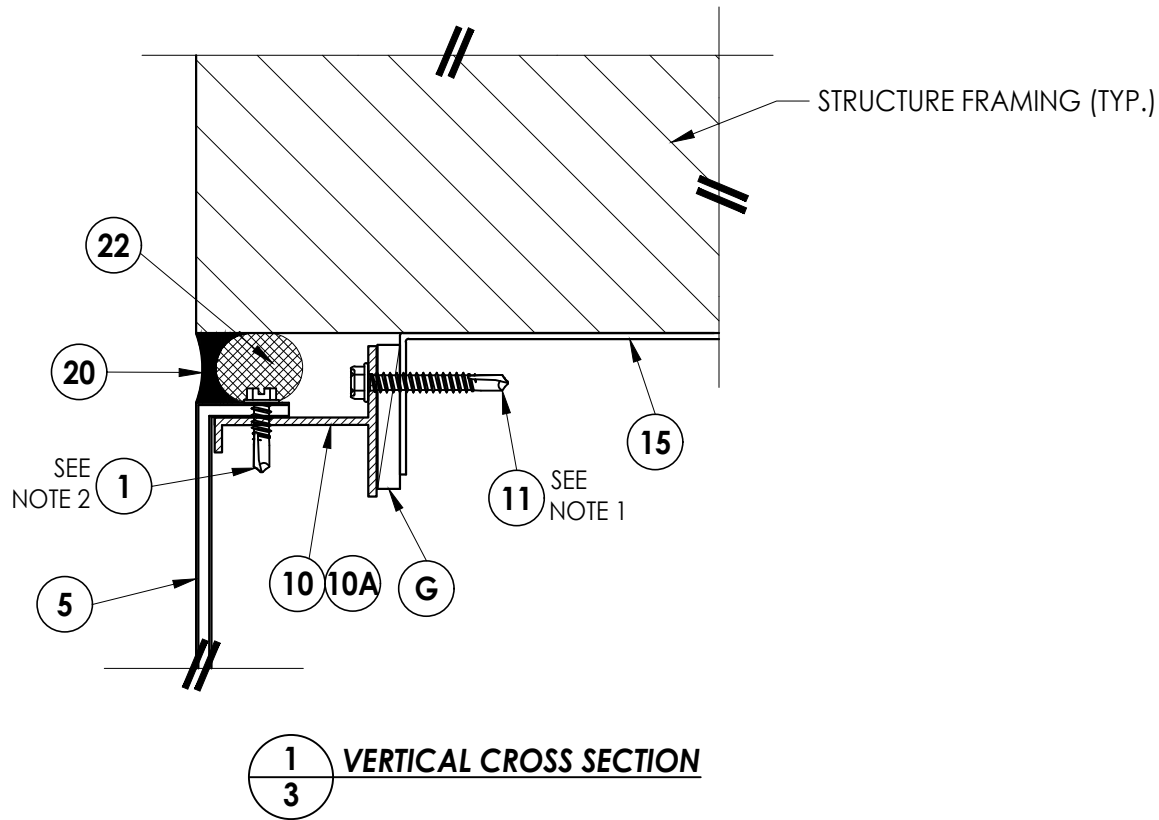
- ANCHOR NOTES:
1. Spacing for item #11: 1-1/2" @ ends and 8" o.c. throughout.
 2. Spacing for item #1: 1-1/2" @ ends and 8" o.c. throughout.



2 HORIZONTAL CROSS SECTION
2

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: GUERNSEY ARCHITECTURAL SOLUTIONS PANEL SYSTEM		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
8	9/13/23	UPDATE TO 8TH ED. (2023)	FBC LFS
7	10/01/20	UPDATE TO 7TH ED. (2020)	FBC LFS
6	7/11/17	UPDATE TO 6TH ED. (2017)	FBC LFS
5	8/26/15	UPDATE TO 5TH ED. (2014)	FBC JK
4	8/28/14	ADDED OPTIONAL EXTRUSIONS	LFS
3	1/4/12	UPDATE TO 2010 FBC	KV
NO.	DATE	REVISIONS	
DATE: 3/17/09			
SCALE: N.T.S.			
DWG. BY: AL			
CHK. BY: LFS			
DRAWING NO.: FL-12389.3			
SHEET 2 OF 6			

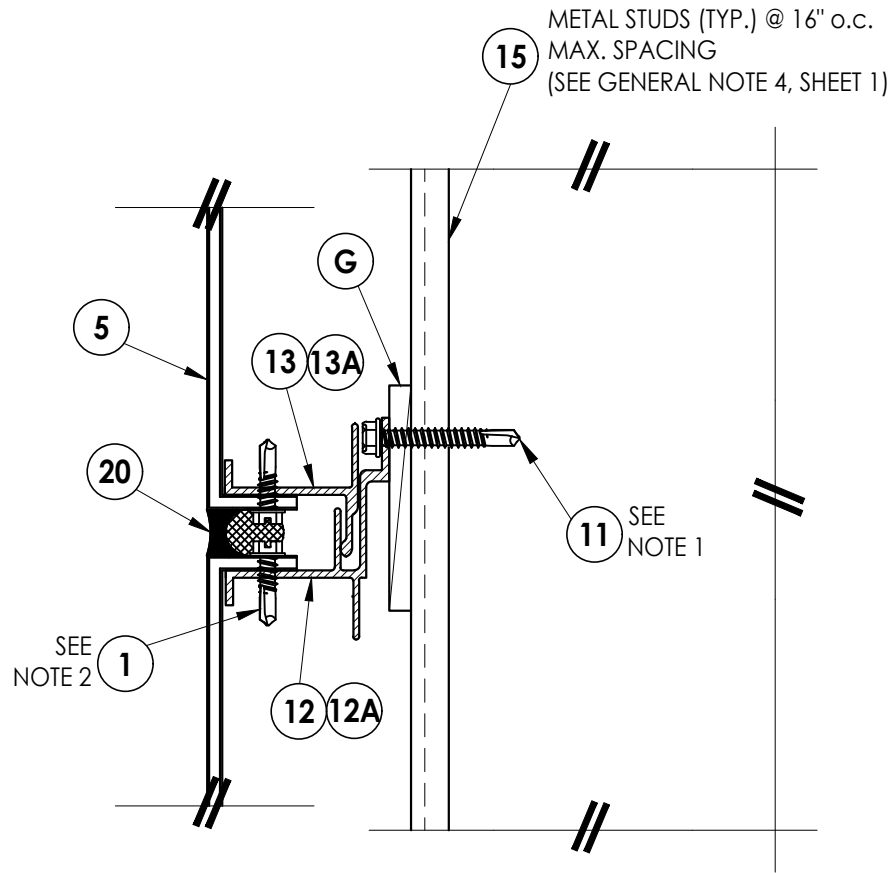
Z:\2023 FBC Drawings\Guernsey Architectural Solutions\FL-12389 R6\FL-12389.1-3.dwg



- 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.

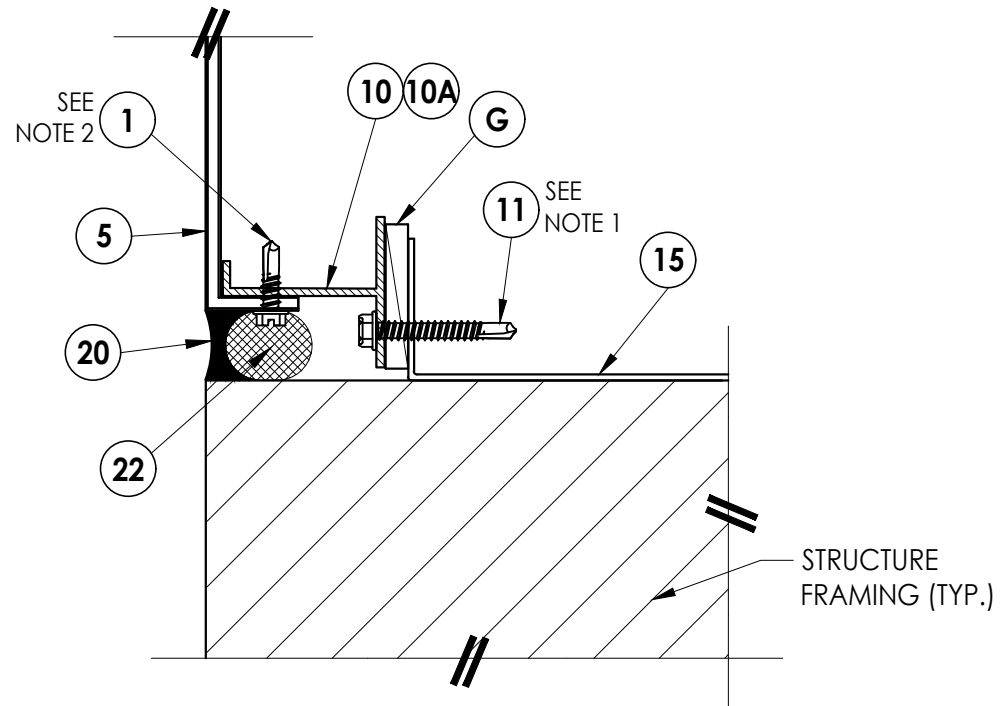
Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409		BUILDING CONSULTANTS, INC.		P.O. Box 230, Vairico, FL 33595		Phone No.: 813.659.9197		FBPE Registry No. 9813	
PRODUCT:		GUERNSEY ARCHITECTURAL SOLUTIONS		PANEL SYSTEM		PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS					
8	9/13/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS								
7	10/01/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS								
6	7/11/17	UPDATE TO 6TH ED.	(2017)	FBC	LFS								
5	8/26/15	UPDATE TO 5TH ED.	(2014)	FBC	JK								
4	8/28/14	ADDED OPTIONAL EXTRUSIONS			LFS								
3	1/4/12	UPDATE TO 2010 FBC			KV								
	NO.	DATE			BY								
REVISIONS													
DATE: 3/17/09													
SCALE: N.T.S.													
DWG. BY: AL													
CHK. BY: LFS													
DRAWING NO.: FL-12389.3													
SHEET 3 OF 6													

Z:\2023 FBC Drawings\Guernsey Architectural Solutions\FL-12389 R6\FL-12389.1-3.dwg



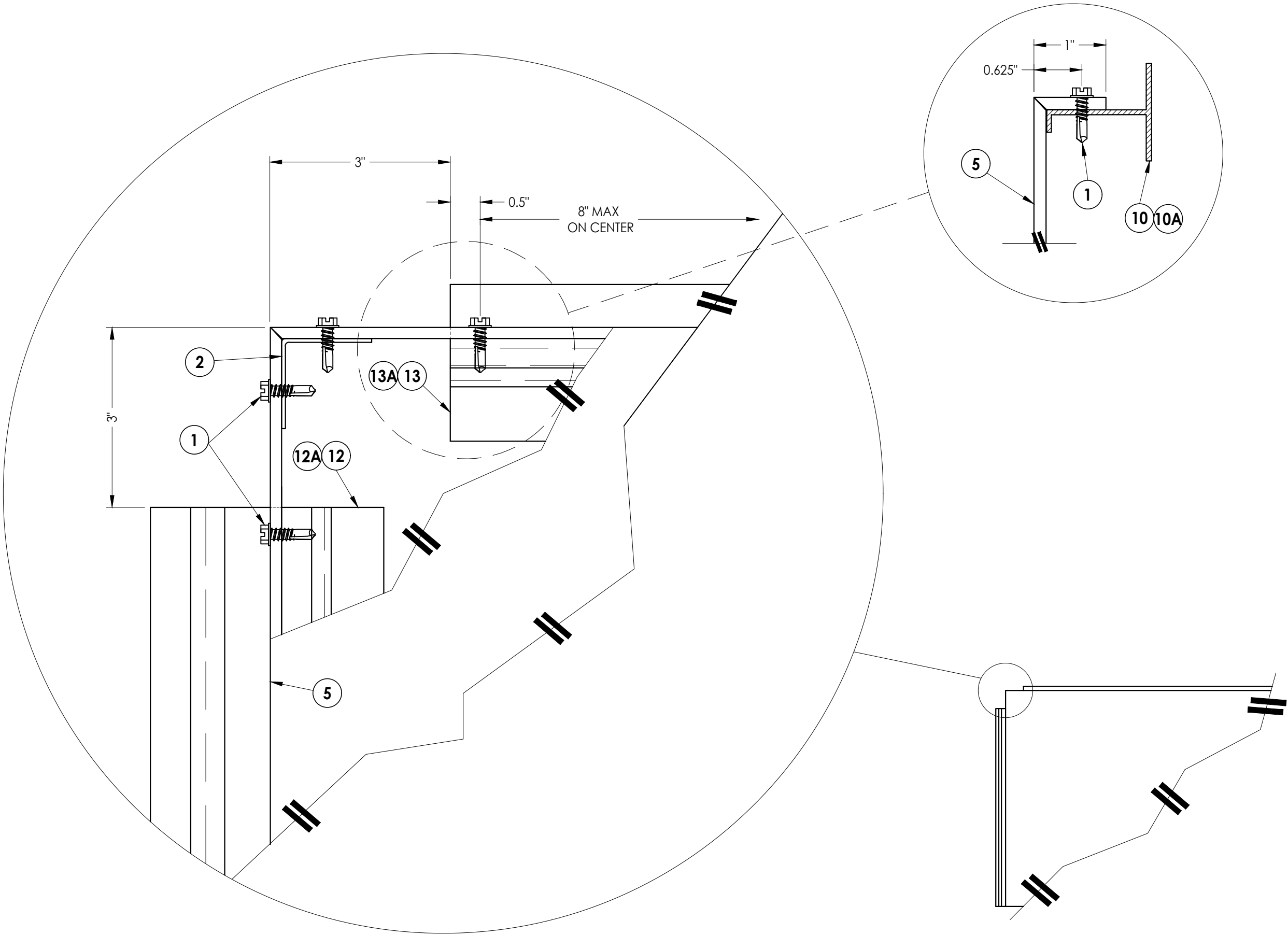
1
4 VERTICAL CROSS SECTION

- 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
4 VERTICAL CROSS SECTION

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: GUERNSEY ARCHITECTURAL SOLUTIONS PANEL SYSTEM		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
8	9/13/23	UPDATE TO 8TH ED. (2023)	FBC LFS
7	10/01/20	UPDATE TO 7TH ED. (2020)	FBC LFS
6	7/11/17	UPDATE TO 6TH ED. (2017)	FBC LFS
5	8/26/15	UPDATE TO 5TH ED. (2014)	FBC JK
4	8/28/14	ADDED OPTIONAL EXTRUSIONS	LFS
3	1/4/12	UPDATE TO 2010 FBC	KV
2	NO.	DATE	BY
REVISIONS			
DATE: 3/17/09			
SCALE: N.T.S.			
DWG. BY: AL			
CHK. BY: LFS			
DRAWING NO.: FL-12389.3			
SHEET 4 OF 6			



DATE: 3/17/09
SCALE: N.T.S.
DWG. BY: AL
CHK. BY: LFS
DRAWING NO.: FL-12389.3
SHEET 5 OF 6

NO.	DATE	REVISIONS
8	9/13/23	UPDATE TO 8TH ED. (2023) FBC LFS
7	10/01/20	UPDATE TO 7TH ED. (2020) FBC LFS
6	7/11/17	UPDATE TO 6TH ED. (2017) FBC LFS
5	8/26/15	UPDATE TO 5TH ED. (2014) FBC JK
4	8/28/14	ADDED OPTIONAL EXTRUSIONS LFS
3	1/4/12	UPDATE TO 2010 FBC KV
NO.	DATE	BY

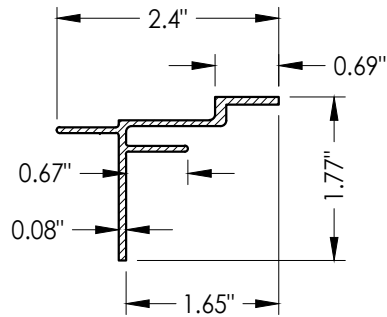
PRODUCT:
GUERNSEY ARCHITECTURAL SOLUTIONS
PANEL SYSTEM
PART OR ASSEMBLY:
PANEL DETAIL

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

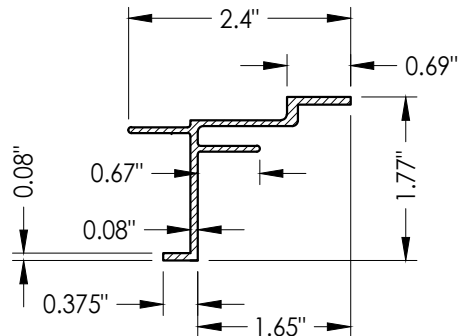
Z:\2023 FBC Drawings\Guernsey Architectural Solutions\FL-12389 R6\FL-12389.1-3.dwg

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
G	MAX. 1/4" SHIM SPACE	HC PLASTIC
1	#12 X 3/4" HWH 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
9	TIE BACK	6063-T6 ALUM.
10	TERMINATOR EXTRUSION	6063-T6 ALUM.
10A	TERMINATOR EXTRUSION	6063-T6 ALUM.
11	#12 X 2" HWH TEK FASTENER (SELF-DRILLING SMS - ZINC COATED)	STEEL
12	FEMALE EXTRUSION	6063-T6 ALUM.
12A	FEMALE EXTRUSION	6063-T6 ALUM.
13	MALE EXTRUSION	6063-T6 ALUM.
13A	MALE EXTRUSION	6063-T6 ALUM.
14	STIFFENER	6063-T6 ALUM.
15	METAL STUD - 16 ga.**	STEEL
16	1" X 1" L BRACKET	6063-T6 ALUM.
17	#12 X 2" FH TEK FASTENER (SELF-DRILLING SMS - ZINC COATED)	STEEL
20	DOW 791 SEALANT	SILICONE
21	DOW 795 SEALANT	SILICONE
22	FOAM BACKER ROD	FOAM

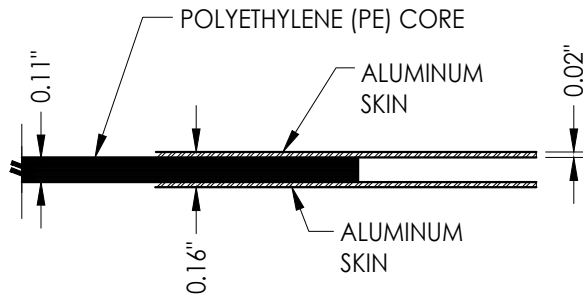
**SEE GENERAL NOTE 4, SHEET 1



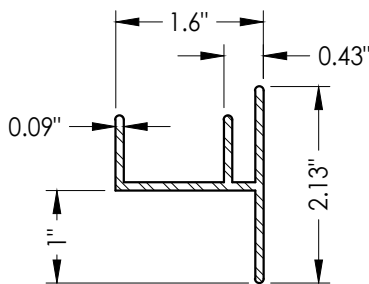
12 FEMALE EXTRUSION



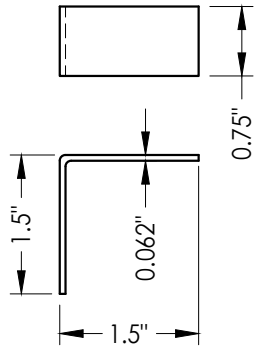
12A FEMALE EXTRUSION
w/ optional leg



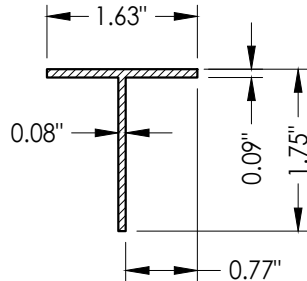
5 PANEL
ALUMINUM COMPOSITE



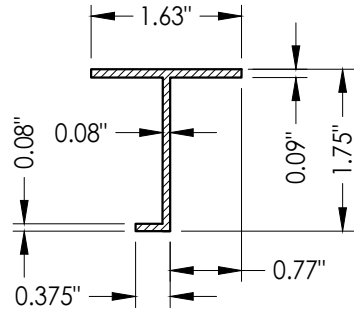
9 TIE BACK



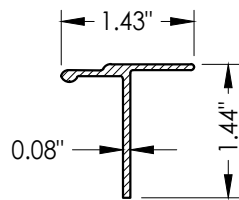
2 CORNER BRACKET



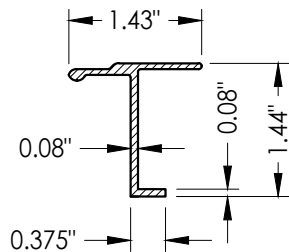
10 TERMINATOR EXTRUSION



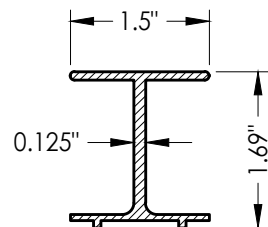
10A TERMINATOR EXTRUSION
w/ optional leg



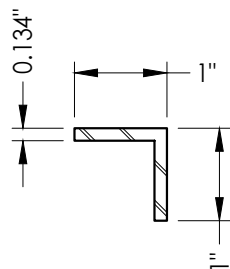
13 MALE EXTRUSION



13A MALE EXTRUSION
w/ optional leg



14 STIFFENER



16 "L" BRACKET

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

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

PRODUCT:
GUERNSEY ARCHITECTURAL
SOLUTIONS
PANEL SYSTEM

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
8	9/13/23	UPDATE TO 8TH ED. (2023) FBC LFS
7	10/01/20	UPDATE TO 7TH ED. (2020) FBC LFS
6	7/11/17	UPDATE TO 6TH ED. (2017) FBC LFS
5	8/26/15	UPDATE TO 5TH ED. (2014) FBC JK
4	8/28/14	ADDED OPTIONAL EXTRUSIONS LFS
3	1/4/12	UPDATE TO 2010 FBC KV
2		
1		

DATE: 3/17/09

SCALE: N.T.S.

DWG. BY: AL

CHK. BY: LFS

DRAWING NO.:

FL-12389.3

SHEET 6 OF 6