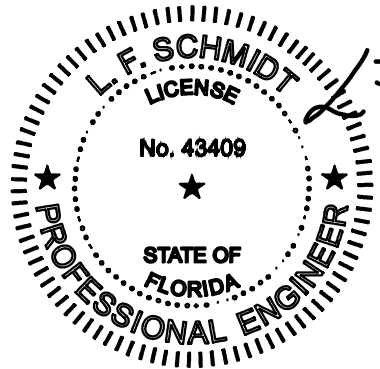




Digitally signed by
Lyndon F Schmidt
Date: 2023.09.25
09:23:55 -04'00'

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

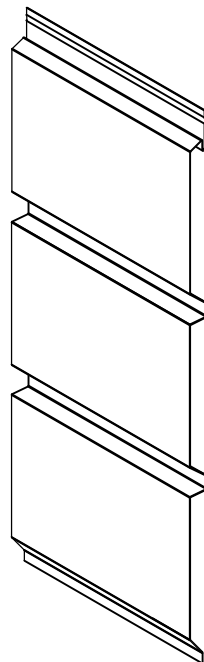
"TRIPLE 4" & "QUAD 4"

ALUMINUM "U - GROOVE" SOFFIT

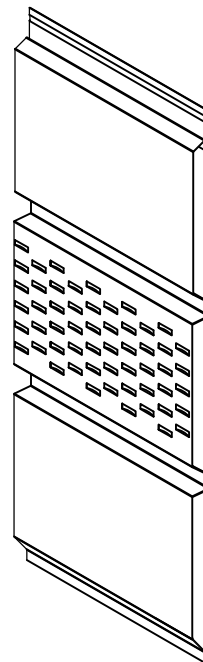
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. Site conditions not covered by this drawing are subject to further engineering analysis.
4. Wood/CMU wall construction, by others, must be designed properly to receive loads from the soffit and/or 2" x 2" batten strips.
5. Aluminum soffits shall conform to the specification and labelling requirements of FBC Section 1709.10.

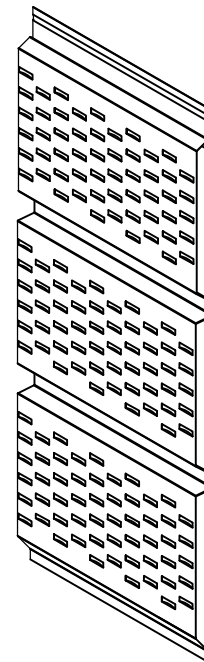
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations & general notes
2	Panel details
3	Soffit details & design pressures
4	Soffit details & design pressures
5	Soffit details, design pressures & bill of materials



ATS12SV



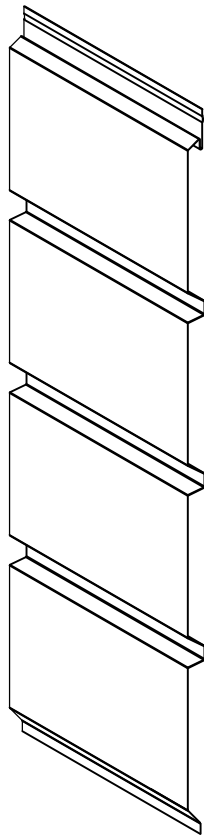
ATS12CV



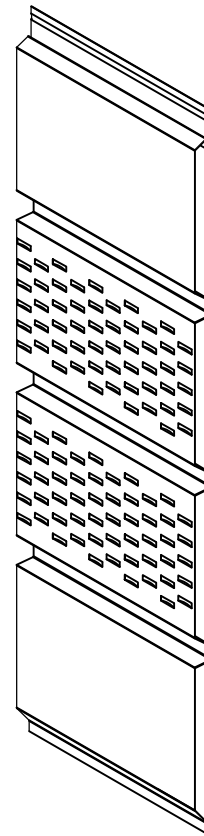
ATS12FV

TRIPLE 4 (T4)

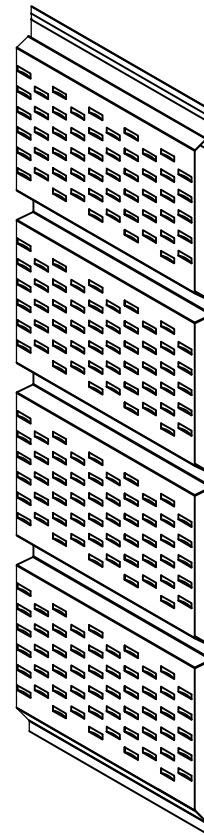
(0.017" THICK)



ATS16SV



ATS16CV



ATS16FV

QUAD 4 (Q4)

(0.017" THICK)

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

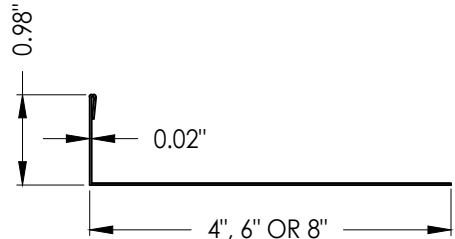
PRODUCT:	ALUMINUM SOFFIT	PART OR ASSEMBLY:	TYPICAL ELEVATIONS & GENERAL NOTES
		NO.	DATE
		BY	REVISIONS
DATE: 9/25/23			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-12019.4			
SHEET 1 OF 5			

© 2023 R.W. BUILDING CONSULTANTS INC.

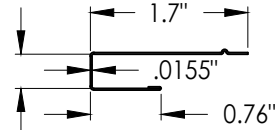
Z:\2023 FBC Drawings\American Construction Materials\FL-12019 R10\FL-12019.4.dwg

SOFFIT AIR FLOW TABLE									
SOFFIT TYPE		AIR FLOW			SOFFIT TYPE		AIR FLOW		
		FREE FLOW AREA (in²/ft²)	FREE FLOW AREA (in²/linear ft)	% FREE FLOW AREA			FREE FLOW AREA (in²/ft²)	FREE FLOW AREA (in²/linear ft)	% FREE FLOW AREA
TRIPLE 4	CENTER VENT PATTERN	1.89	1.89*	1.31 %	QUAD 4	CENTER VENT PATTERN	3.78	5.04*	2.63 %
	FULL VENT PATTERN	5.67	5.67*	3.94 %		FULL VENT PATTERN	7.56	10.08*	5.25 %

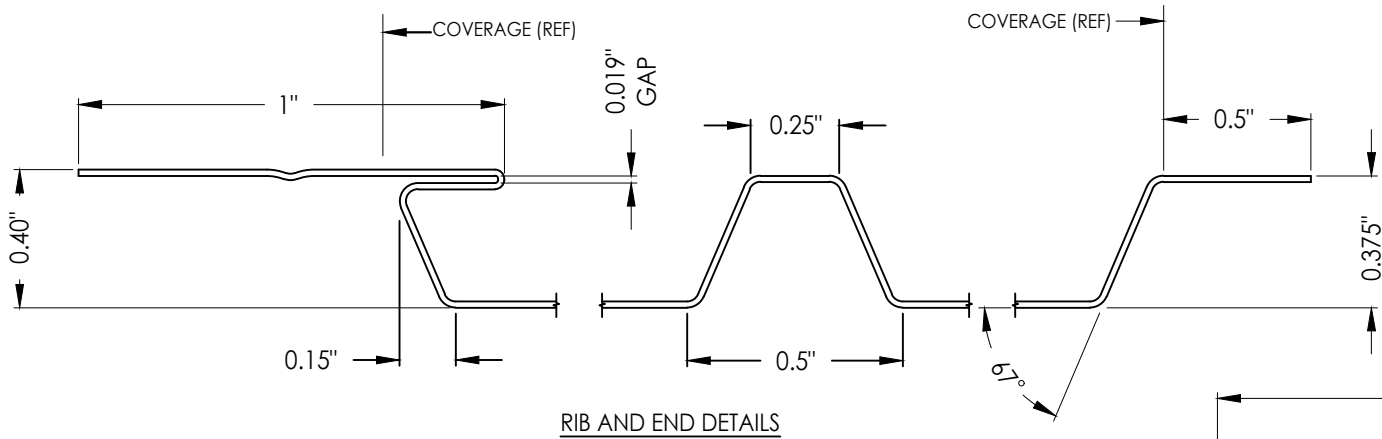
* FREE FLOW AREA IS PER LINEAR FOOT OF OVERHANG (SPAN "A" ON SHEETS 3, 4 & 5)
PER PANEL (12" TRIPLE 4 PANEL OR 16" QUAD 4 PANEL)



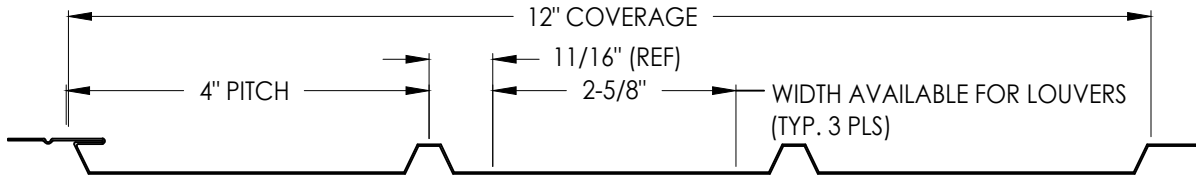
1 FASCIA
Aluminum



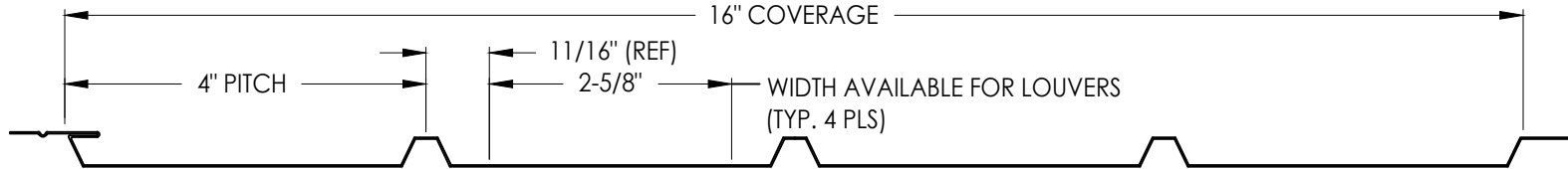
2 "J" CHANNEL
Aluminum



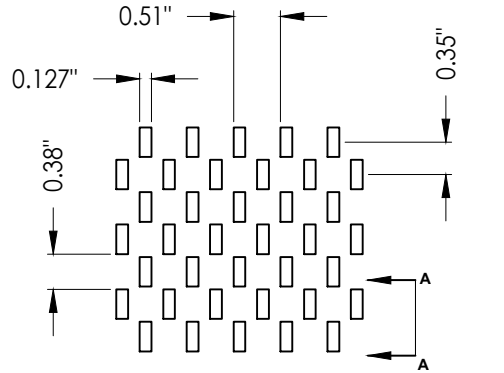
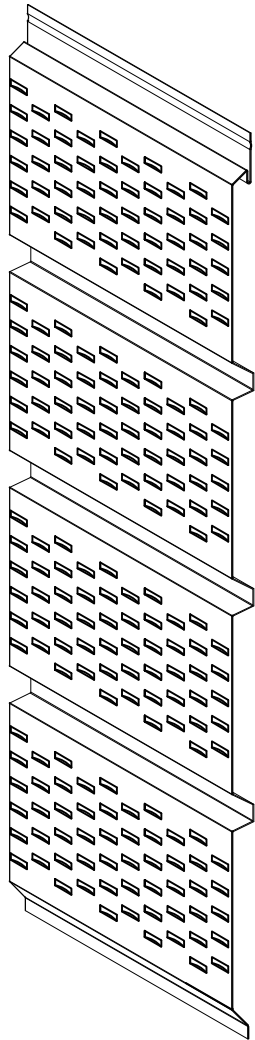
RIB AND END DETAILS



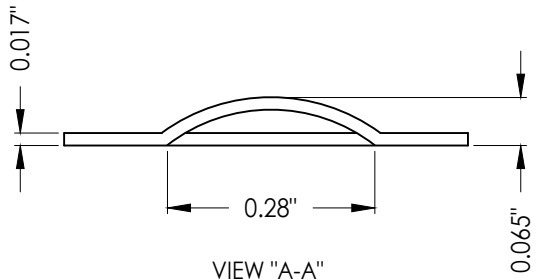
6 TRIPLE 4 PANEL



5 QUAD 4 PANEL



LOUVER PATTERN
(LOUVERS FORMED IN SAME DIRECTION AS RIBS)



5 6 VENT DETAIL

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:
ALUMINUM SOFFIT

PART OR ASSEMBLY:

PANEL DETAILS

REVISIONS		NO.	DATE	BY

DATE: 9/25/23

SCALE: N.T.S.

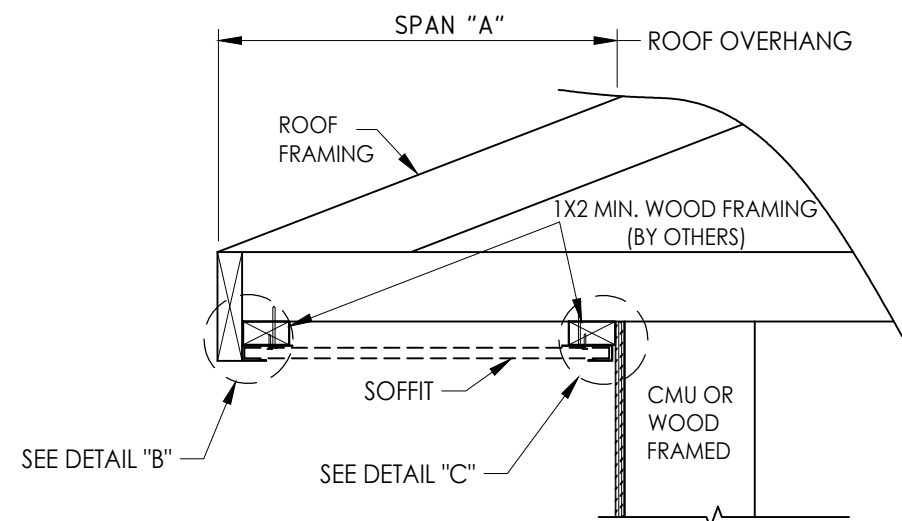
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

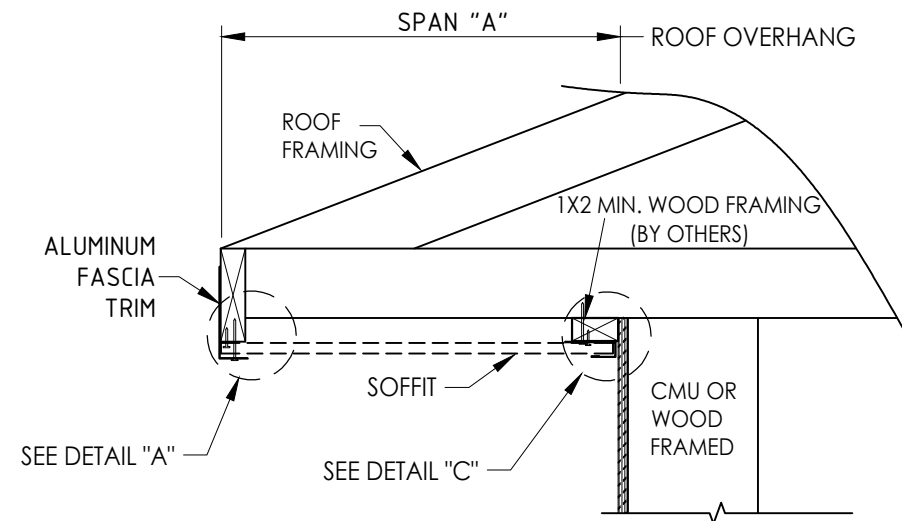
FL-12019.4

SHEET 2 OF 5



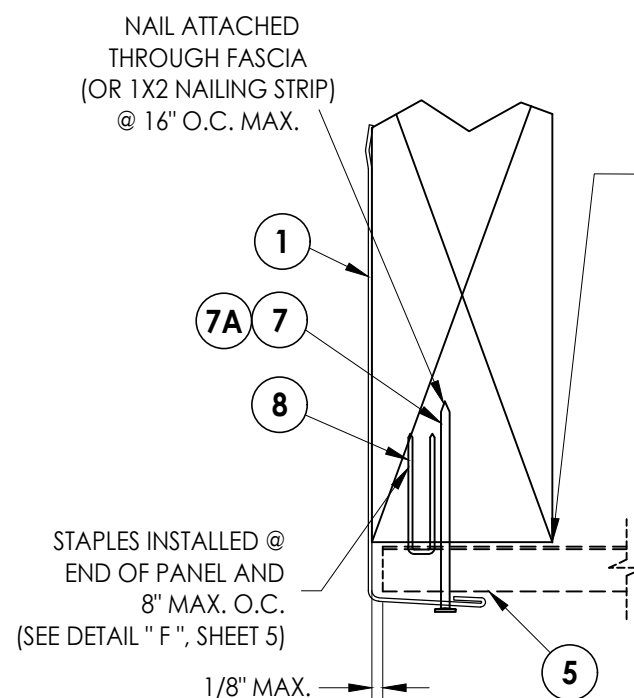
SIDE VIEW - SINGLE SPAN w/ J-CHANNELS

(Shown w/ truss/framing cantilever)



SIDE VIEW - SINGLE SPAN w/ J-CHANNELS

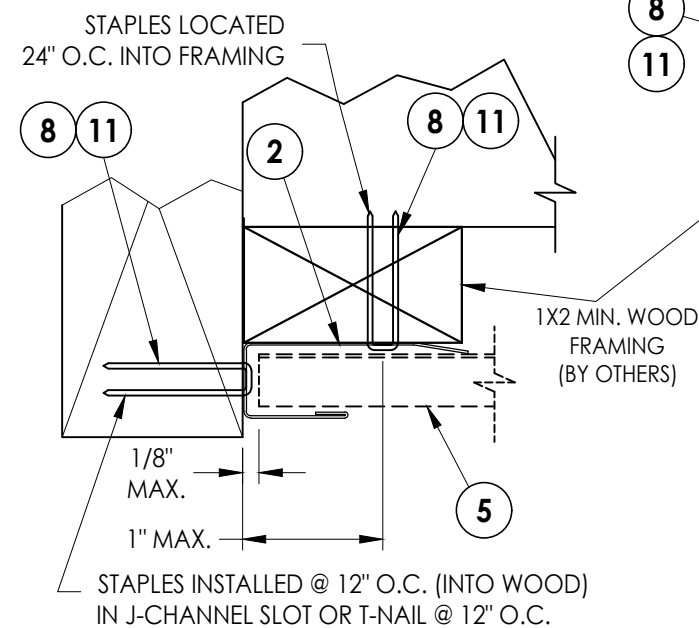
(Shown w/ truss/framing cantilever)



DETAIL " A "

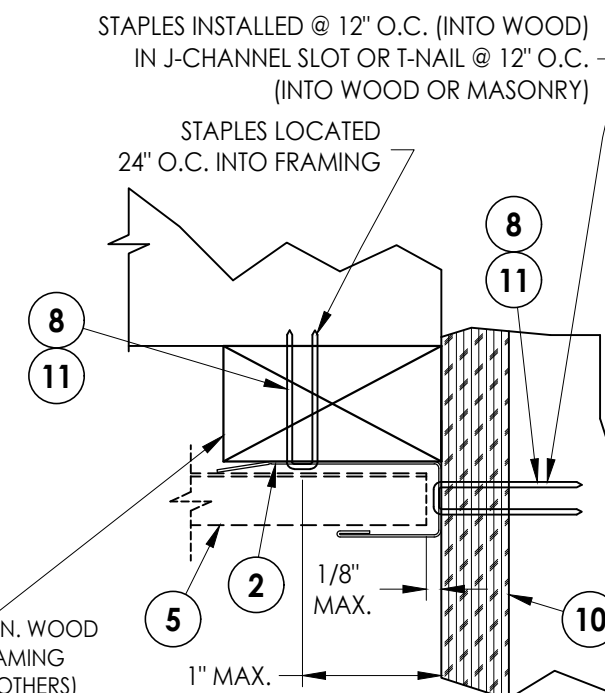
Fascia

NOTE:
FOR SQUARE CUT OVERHANG,
TRIM BOTTOM OF FASCIA FLAT
AGAINST PANEL



DETAIL " B "

J-Channel
Fascia



DETAIL " C "

J-Channel

SINGLE SPAN LENGTH "A"	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
8"	+70.0	-141.0
10"	+60.0	-60.0
12"	+50.0	-50.0
14"	+38.5	-38.5
16"	+30.0	-30.0

NOTE: WOOD FRAMING AND CONNECTIONS TO BE
DESIGNED BY THE ARCHITECT OR ENGINEER
OF RECORD

SUBSTRATE NOTES:

1. WOOD SUBSTRATE: G = 0.42 OR BETTER
2. MASONRY SUBSTRATE: 3,000 PSI CONCRETE (ACI 301) OR HOLLOW BLOCK (ASTM C90).

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

R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:

ALUMINUM SOFFIT

PART OR ASSEMBLY:

SOFFIT DETAILS & DESIGN PRESSURES

BY

NO.	DATE
-----	------

DATE: 9/25/23

SCALE: *N.T.S.*

DWG. BY: *RW*

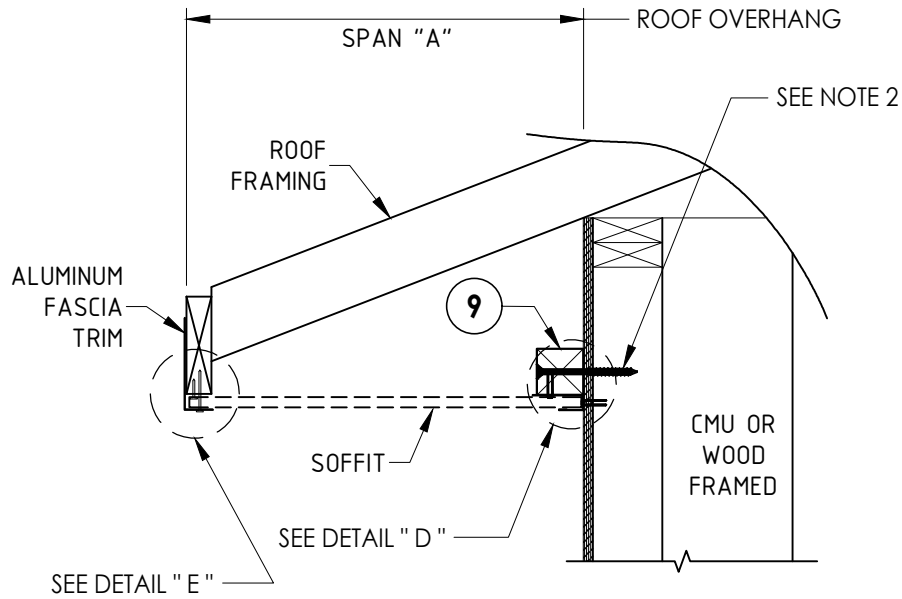
CHK. BY: *LFS*

DRAWING NO.:

FL-12019.4

© 2023 R.W. BUILDING CONSULTANTS INC.

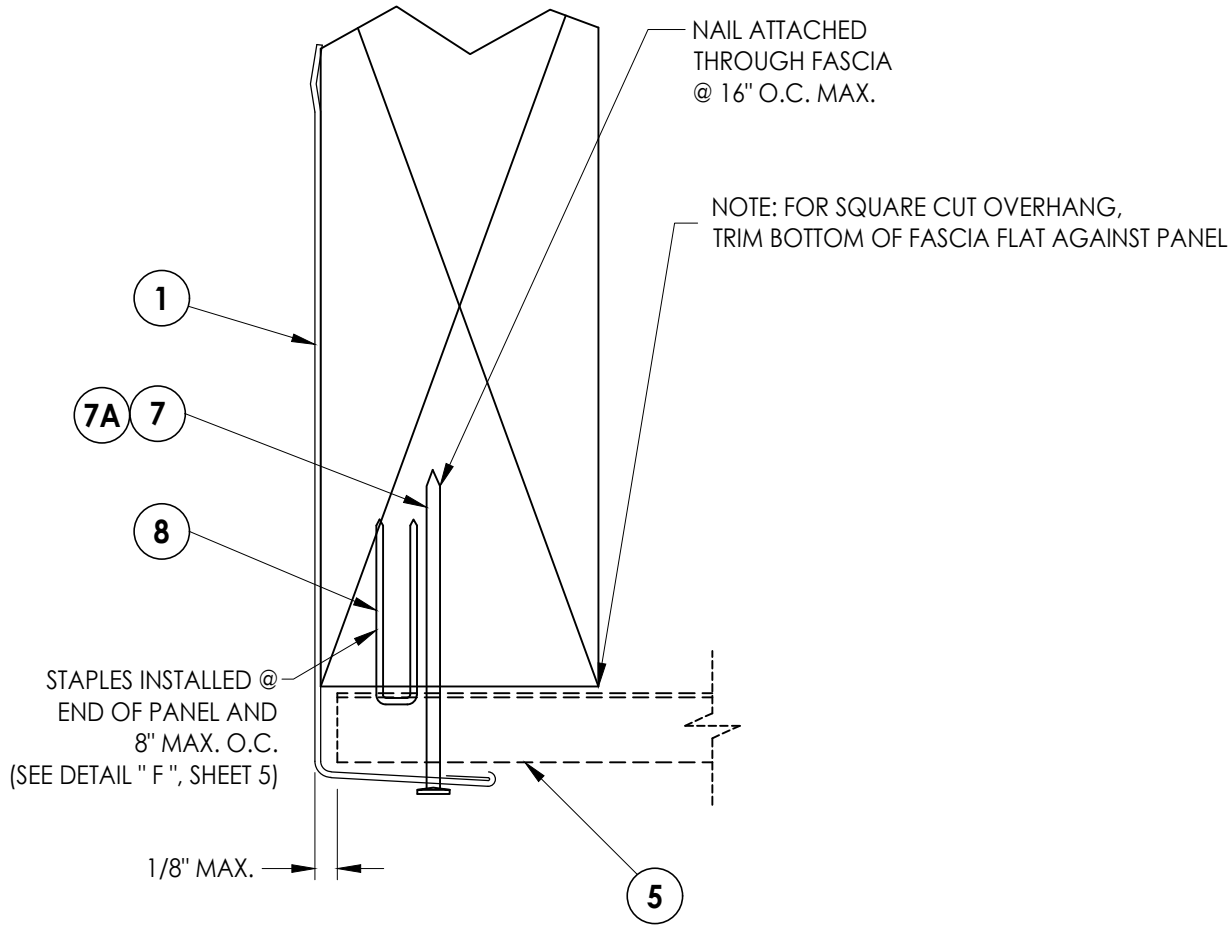
Z:\2023 FBC Drawings\American Construction Materials\FL-12019 R10\FL-12019.4.dwg



SIDE VIEW - SINGLE SPAN w/J-CHANNEL
(Shown w/ truss/framing overhang)

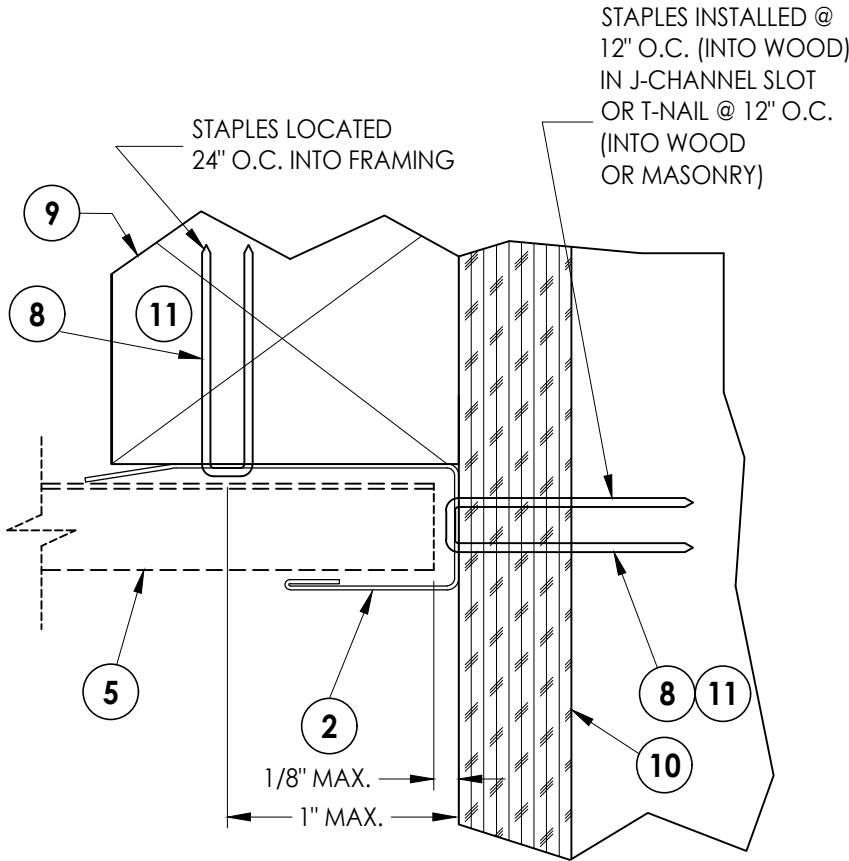
- CONNECTOR NOTES:
1. WOOD FRAMING AND CONNECTIONS TO BE DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD
 2. 12d COMMON NAIL OR 3/16" ITW TAPCON CONCRETE SCREW (MIN. 1-1/4" EMBEDMENT) @ 24" ON CENTER

SINGLE SPAN LENGTH "A"	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
8"	+70.0	-141.0
10"	+60.0	-60.0
12"	+50.0	-50.0
14"	+38.5	-38.5
16"	+30.0	-30.0



DETAIL " E "
Fascia

- SUBSTRATE NOTES:
1. WOOD SUBSTRATE: G = 0.42 OR BETTER
 2. MASONRY SUBSTRATE: 3,000 PSI CONCRETE (ACI 301) OR HOLLOW BLOCK (ASTM C90).

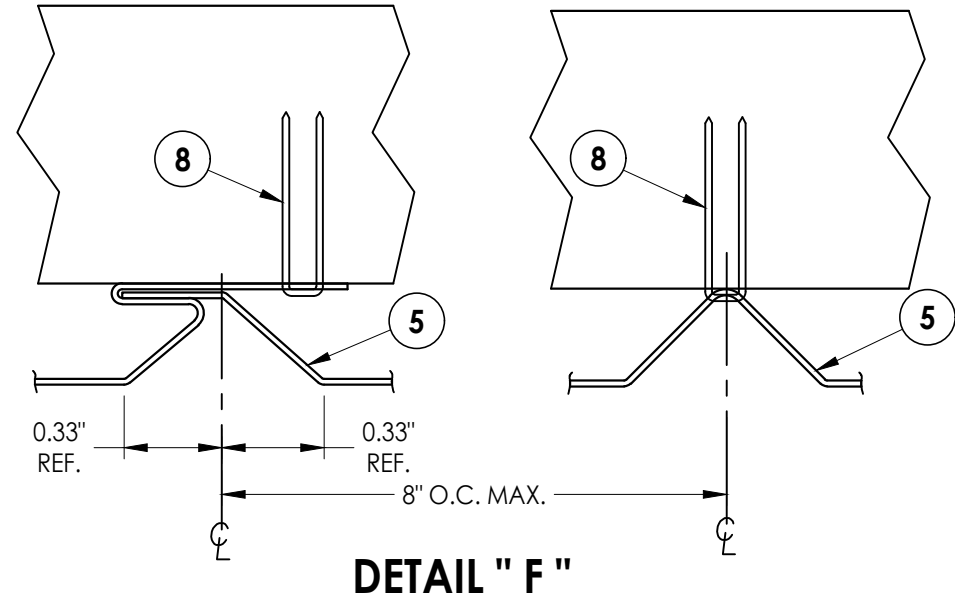
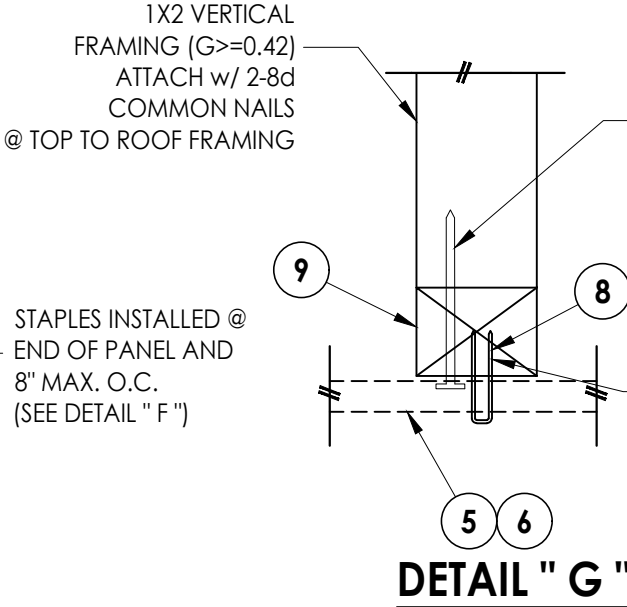
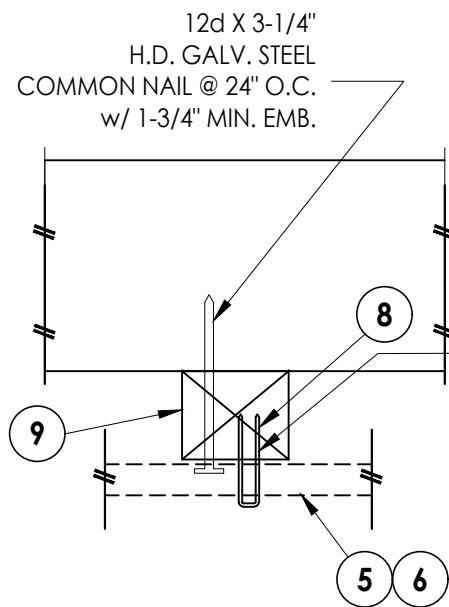


DETAIL " D "
J-Channel

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:	ALUMINUM SOFFIT	PART OR ASSEMBLY:	SOFFIT DETAILS & DESIGN PRESSURES
		NO.	DATE
		BY	REVISIONS
DATE: 9/25/23		SCALE: N.T.S.	
DWG. BY: RW		CHK. BY: LFS	
DRAWING NO.: FL-12019.4		SHEET 4 OF 5	

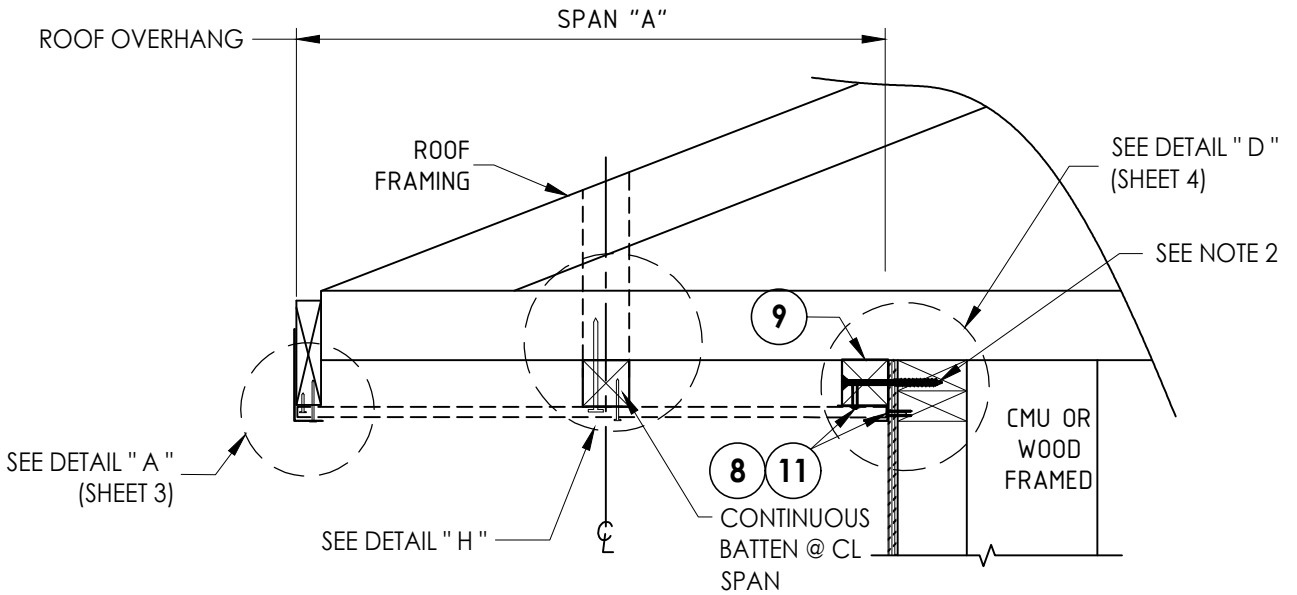
Z:\2023 FBC Drawings\American Construction Materials\FL-12019 R10\FL-12019.4.dwg

ITEM	DESCRIPTION	MATERIAL
1	FASCIA (0.0215" THK.) ALUM. 3105 - H14	ALUMINUM
2	"J" CHANNEL (0.0155" THK.) ALUM. 3105 - H24	ALUMINUM
5	QUAD 4 PANEL (0.0115" OR 0.0135" THICK) ALUM. 3105	ALUMINUM
6	TRIPLE 4 PANEL (0.0115" OR 0.0135" THICK) ALUM. 3105	ALUMINUM
7	#15 X 1-3/4" TRIM NAIL	S.S.
7A	14 GA. X 1-1/2" LONG FINISHING NAIL w/ 3/16" DIA. HEAD	S.S.
8	18 GA. X 1/4" SS STAPLE (w/ 7/8" MIN. EMBEDMENT)	STEEL
9	2" X 2" BATTEN STRIP (G=0.42 OR BETTER)	WOOD
10	APA B-C GROUP 1 EXT. 15/32" PLYWOOD OR BETTER	WOOD
11	0.097" DIA. T-NAIL (w/ 7/8" MIN. EMBEDMENT)	STEEL

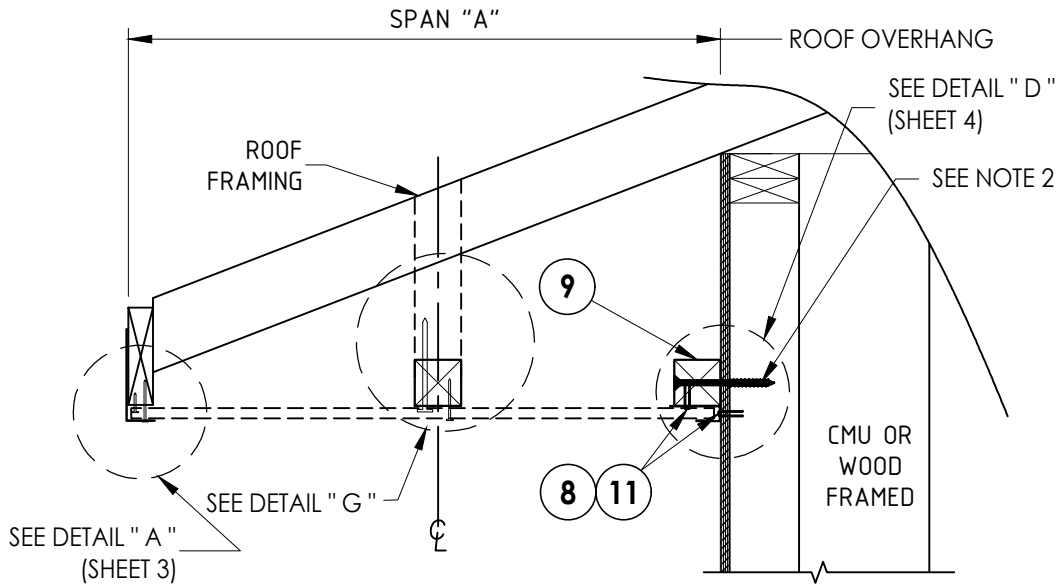


TWIN SPAN LENGTH w/CONTINUOUS BATTEN "A"	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
16"	+70.0	-70.0
18"	+66.5	-66.5
20"	+60.0	-60.0
22"	+54.5	-54.5
24"	+50.0	-50.0

CONNECTOR NOTES:
1. WOOD FRAMING AND CONNECTIONS TO BE DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD
2. 12d COMMON NAIL OR 3/16" ITW TAPCON CONCRETE SCREW (MIN. 1-1/4" EMBEDMENT) @ 24" ON CENTER



SIDE VIEW - DOUBLE SPAN w/BATTEN
(Shown w/ truss/framing cantilever)



SIDE VIEW - DOUBLE SPAN w/BATTEN
(Shown w/ truss/framing overhang)

SUBSTRATE NOTES:
1. WOOD SUBSTRATE: G = 0.42 OR BETTER
2. MASONRY SUBSTRATE: 3,000 PSI CONCRETE (ACI 301) OR HOLLOW BLOCK (ASTM C90).

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:	ALUMINUM SOFFIT
PART OR ASSEMBLY:	SOFFIT DETAILS, DESIGN PRESSURES & BILL OF MATERIALS

NO.	DATE	BY	REVISIONS

DATE:	9/25/23
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-12019.4
SHEET	5 OF 5