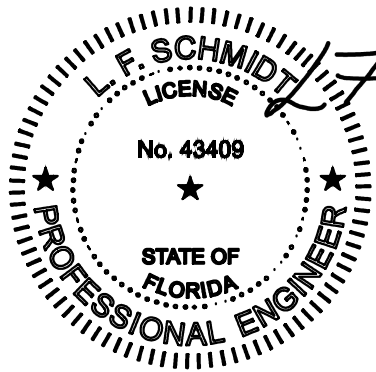




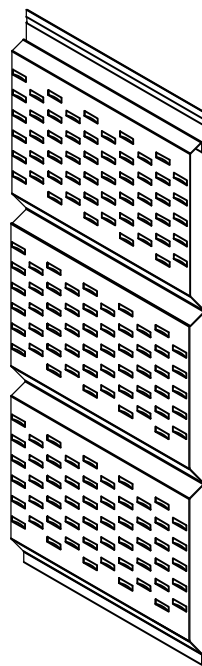
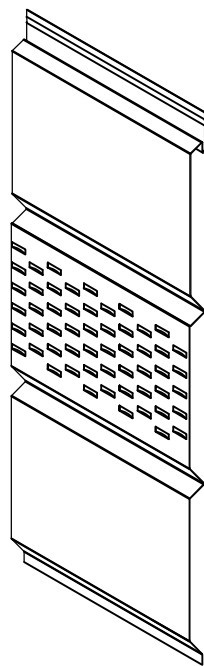
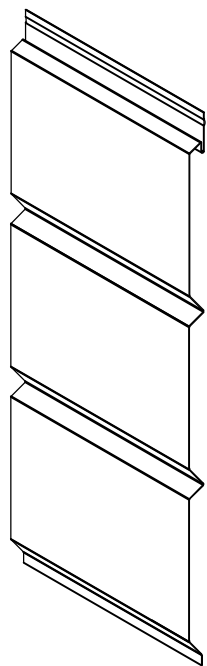
6938 N US Highway 41, Apollo Beach, FL 33572



Digitally signed by
Lyndon F Schmidt
Date: 2023.09.25
09:28:03 -04'00'

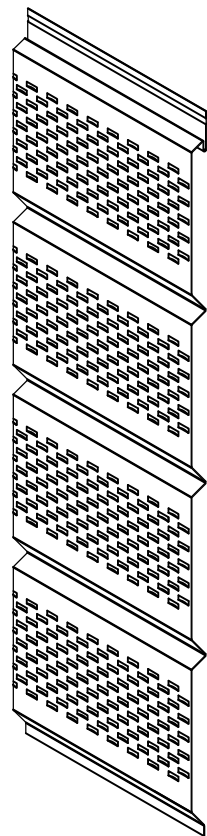
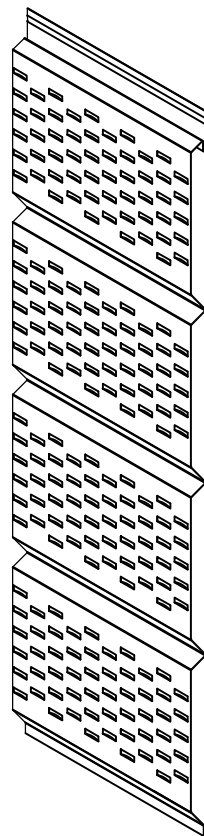
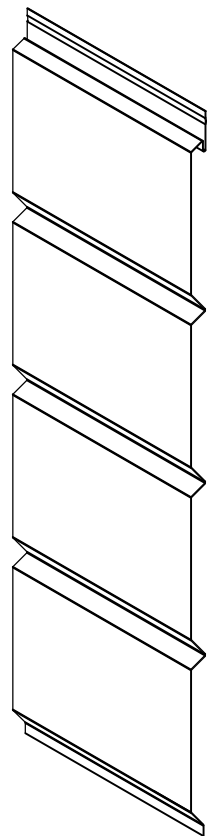
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



TRIPLE 4 (T4)

T-4-012 (.0115" THICK)
T-4-014 (.0135" THICK)



QUAD 4 (Q4)

Q-4-012 (.0115" THICK)
Q-4-014 (.0135" THICK)

"TRIPLE 4" & "QUAD 4" ALUMINUM "V - 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

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

ALUMINUM SOFFIT

PART OR ASSEMBLY:
TYPICAL ELEVATIONS &
GENERAL NOTES

REVISIONS

NO.	DATE	DESCRIPTION
8	9/13/23	UPDATE TO 8TH ED. (2023) FBC
7	10/01/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 01/01/09
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-12019.1
SHEET 1 OF 5

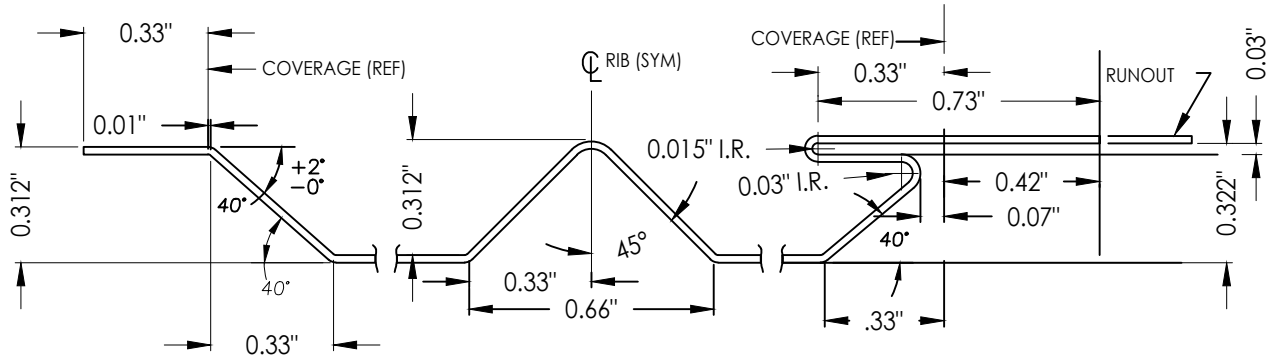
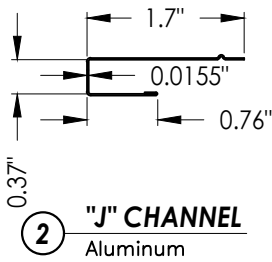
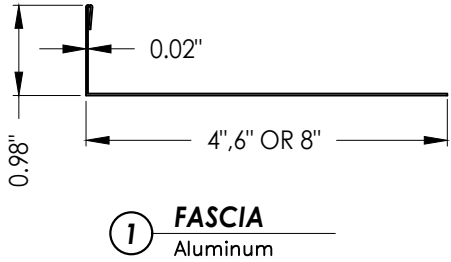
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Building Consultants, Inc.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

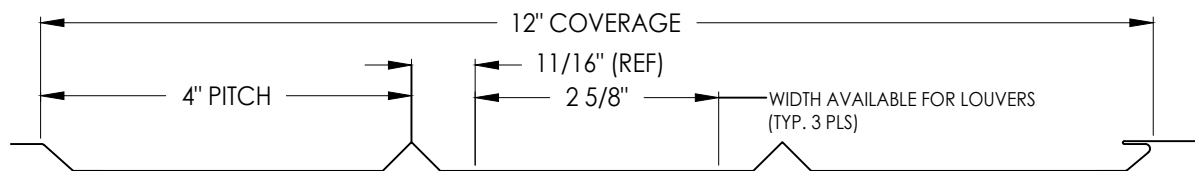
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SOFFIT AIR FLOW TABLE									
SOFFIT TYPE		AIR FLOW			SOFFIT TYPE		AIR FLOW		
		FREE FLOW AREA (in²/ft²)	FREE FLOW AREA (in²/linear ft)	% FREE FLOW AREA			FREE FLOW AREA (in²/ft²)	FREE FLOW AREA (in²/linear ft)	% FREE FLOW AREA
TRIPLE 4	CENTER VENT NARROW PATTERN	3.91	3.91*	2.71 %	QUAD 4				
	FULL VENT NARROW PATTERN	11.74	11.74*	8.15 %		FULL VENT NARROW PATTERN	11.74	15.61*	8.15 %
	FULL VENT WIDE PATTERN	3.69	3.69*	2.56 %		FULL VENT WIDE PATTERN	3.69	4.91*	2.56 %

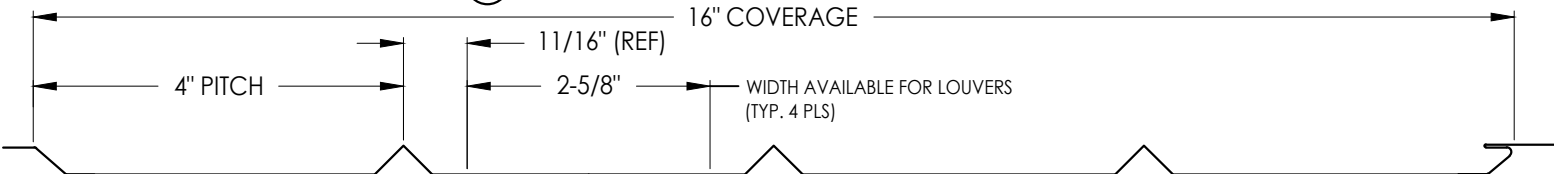
* FREE FLOW AREA IS PER LINEAR FOOT OF OVERHANG (SPAN "A" ON SHEETS 3, 4 & 5)
PER PANEL (12" TRIPLE 4 PANEL OR 16" QUAD 4 PANEL)



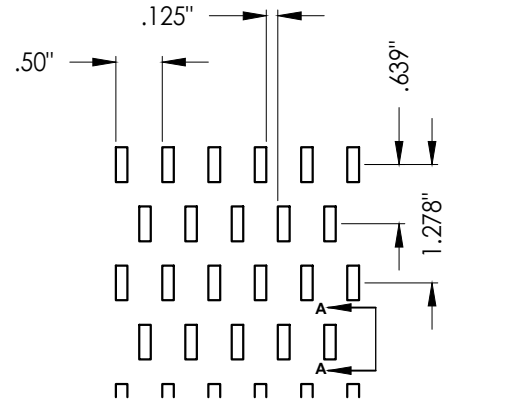
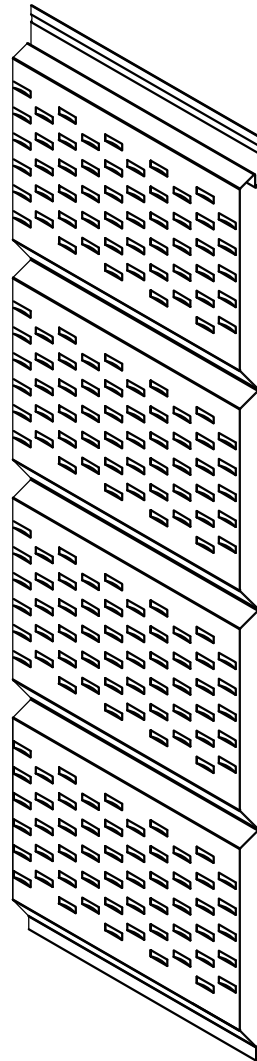
RIB AND END DETAILS



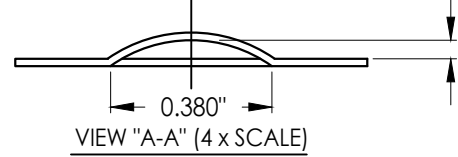
6 TRIPLE 4 PANEL



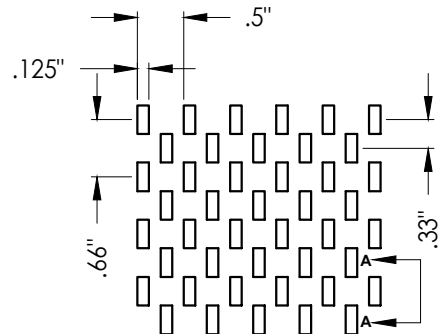
5 QUAD 4 PANEL



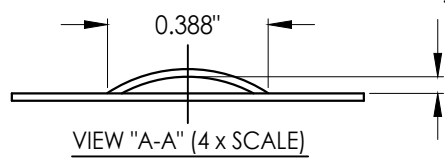
LOUVER PATTERN (FULL SCALE)
(LOUVERS FORMED IN SAME DIRECTION AS RIBS)



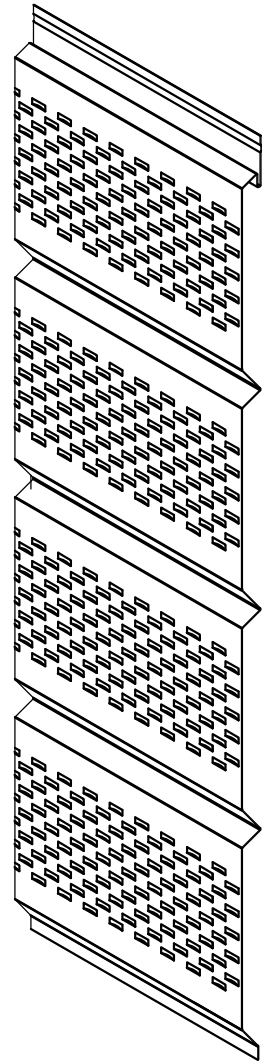
5 6 FULL VENT - WIDE PATTERN
(Louvers formed in same Direction as ribs)



LOUVER PATTERN
(LOUVERS FORMED IN SAME DIRECTION AS RIBS)



5 6 FULL VENT - NARROW VENT PATTERN
(Louvers formed in same direction as ribs)



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:
ALUMINUM SOFFIT

PART OR ASSEMBLY:

PANEL DETAILS

REVISONS		BY	
8	9/13/23	UPDATE TO 8TH ED. (2023)	FBC
7	10/01/20	UPDATE TO 7TH ED. (2020)	FBC
NO.	DATE		

DATE: 01/01/09

SCALE: N.T.S.

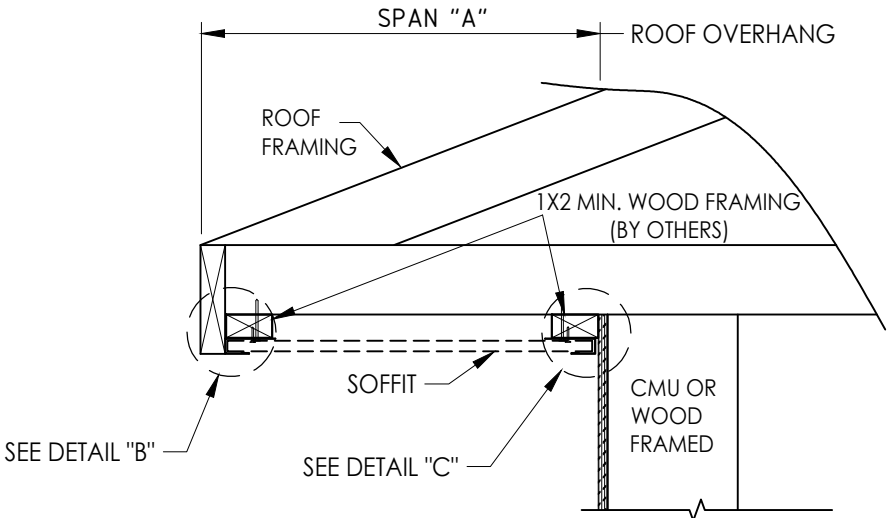
DWG. BY: JK

CHK. BY: LFS

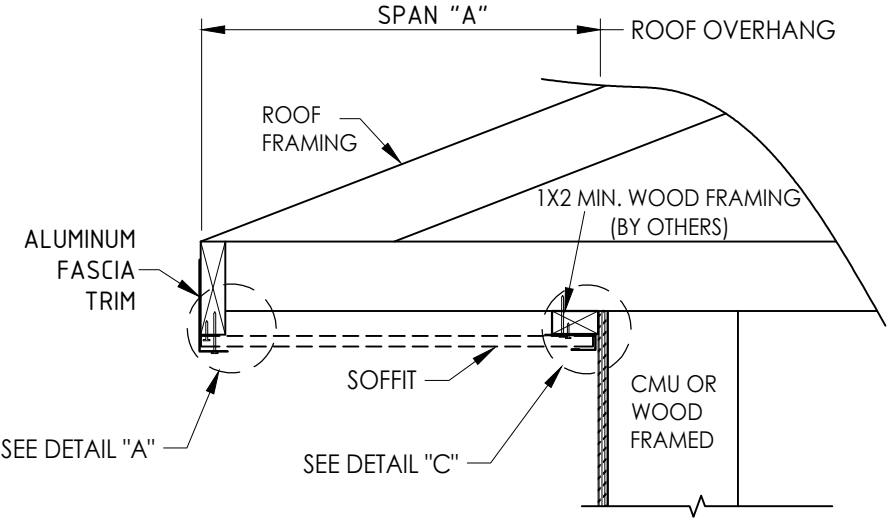
DRAWING NO.:

FL-12019.1

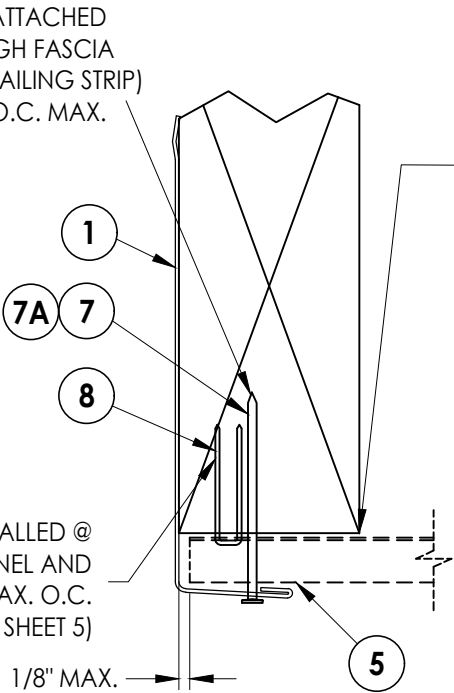
SHEET 2 OF 5



SIDE VIEW - SINGLE SPAN w/ J-CHANNELS
(Shown w/ truss/framing cantilever)

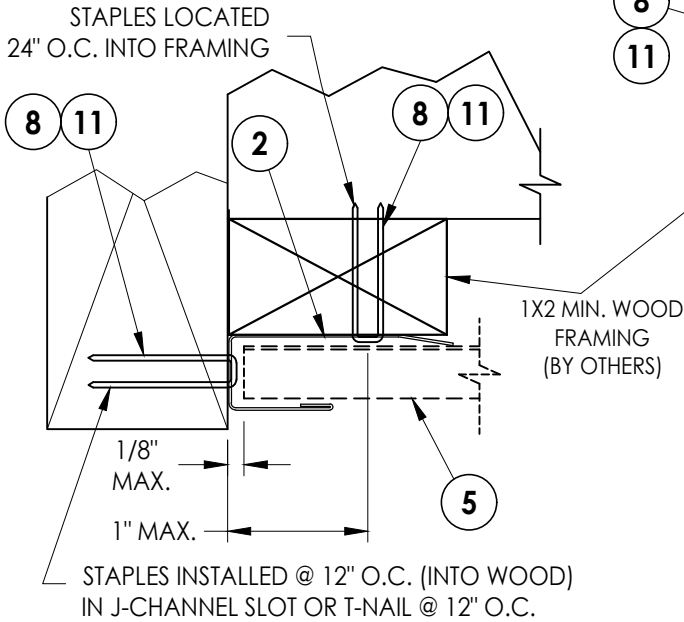


SIDE VIEW - SINGLE SPAN w/ J-CHANNELS
(Shown w/ truss/framing cantilever)

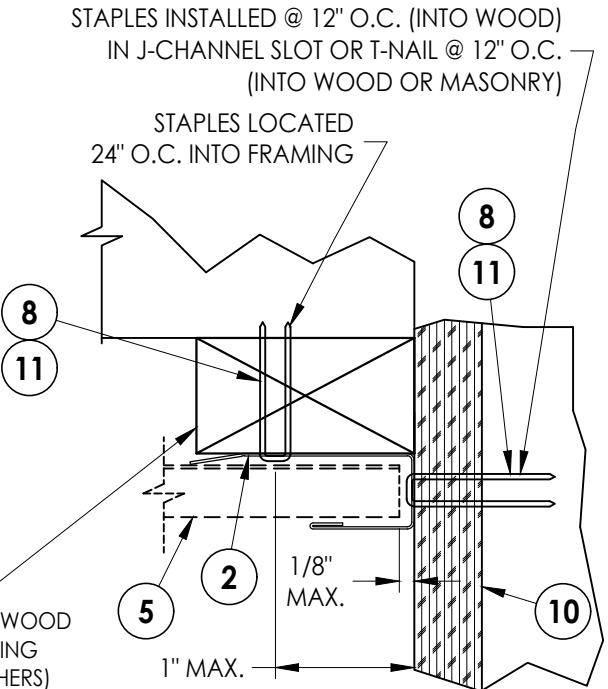


DETAIL " A "
Fascia

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

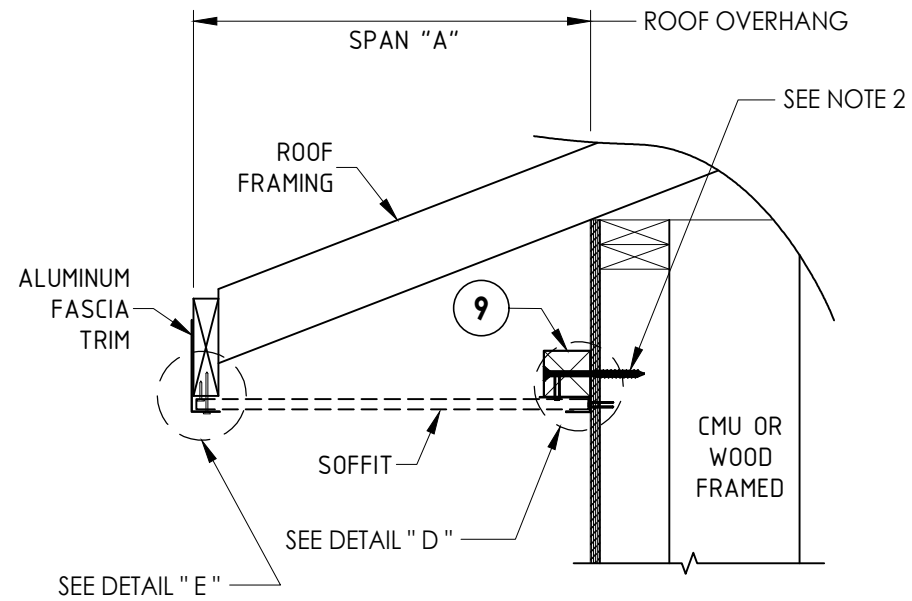
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
ALUMINUM SOFFIT

PART OR ASSEMBLY:
SOFFIT DETAILS &
DESIGN PRESSURES

REVISIONS		NO.	DATE	BY
		8	9/13/23	LFS
		7	10/01/20	LFS

DATE: 1/9/09
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-12019.1
SHEET 3 OF 5



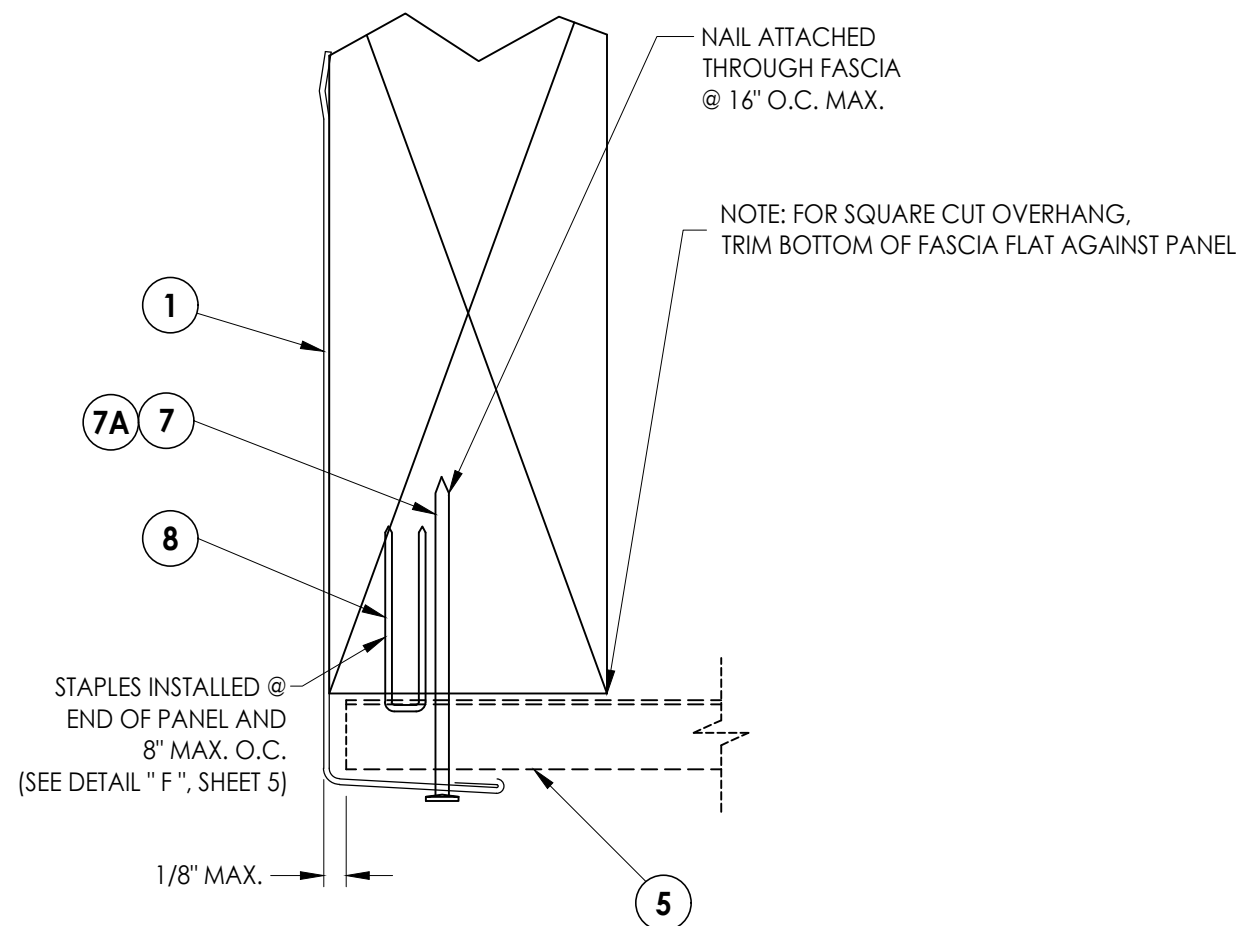
SIDE VIEW - SINGLE SPAN w/J-CHANNEL

(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

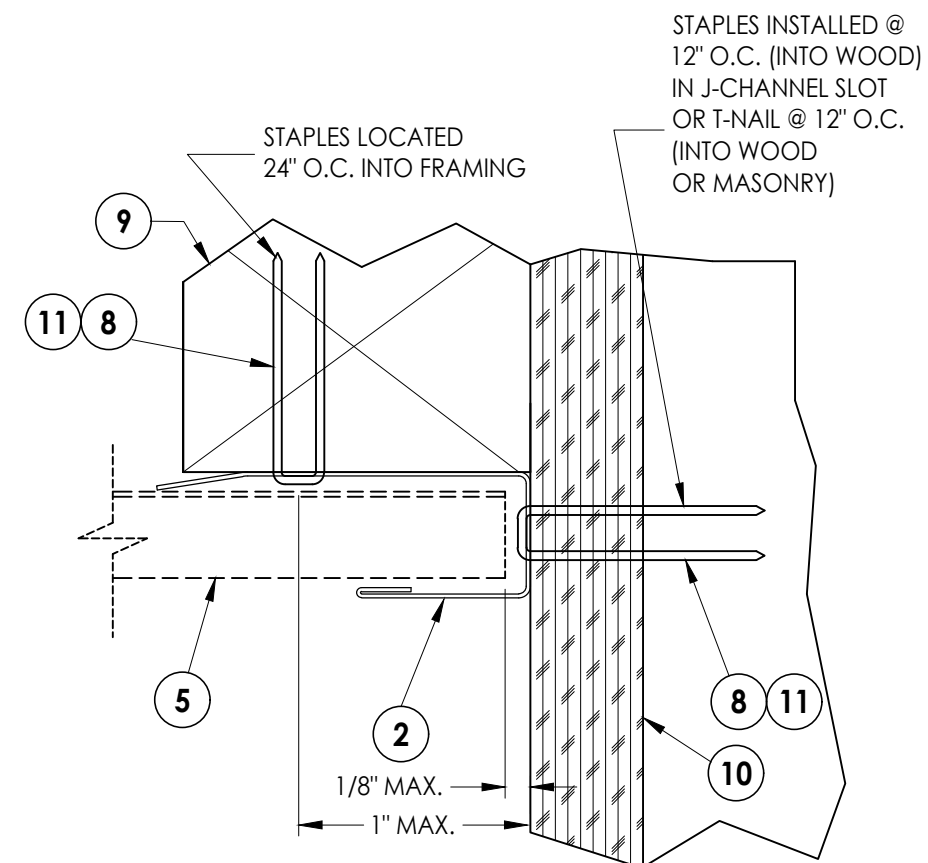


DETAIL " E "

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).



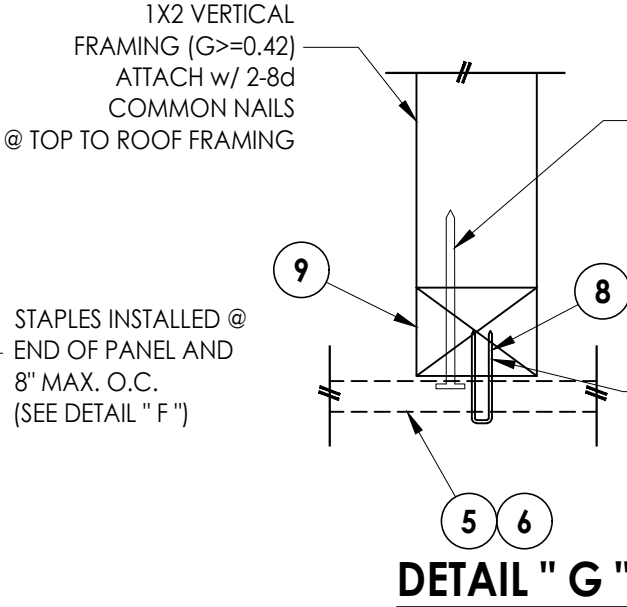
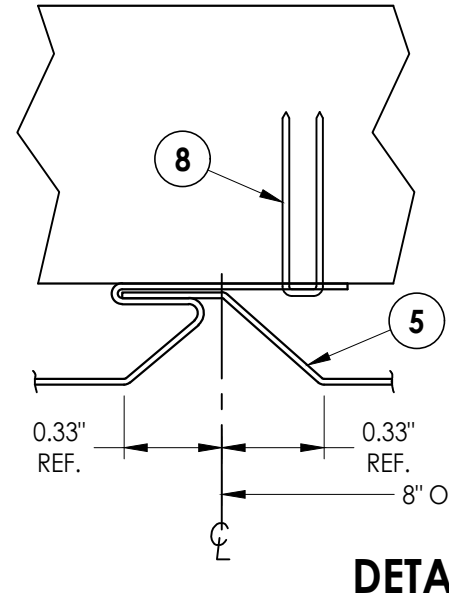
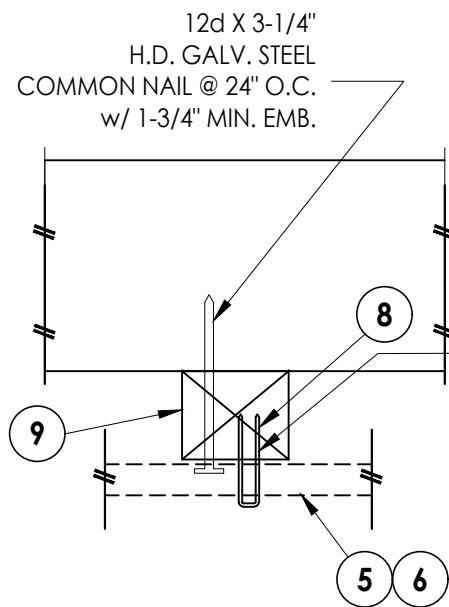
DETAIL " D "

J-Channel

DATE: 1/9/09		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		ALUMINUM SOFFIT		Lyndon F. Schmidt	
DWG. BY: JK		PART OR ASSEMBLY:		P.E. No. 43409	
CHK. BY: LFS		SOFFIT DETAILS & DESIGN PRESSURES		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-12019.1		8 9/13/23 UPDATE TO 8TH ED. (2023) FBC LFS			
SHEET 4 OF 5		7 10/01/20 UPDATE TO 7TH ED. (2020) FBC LFS			
		NO. DATE BY REVISIONS			

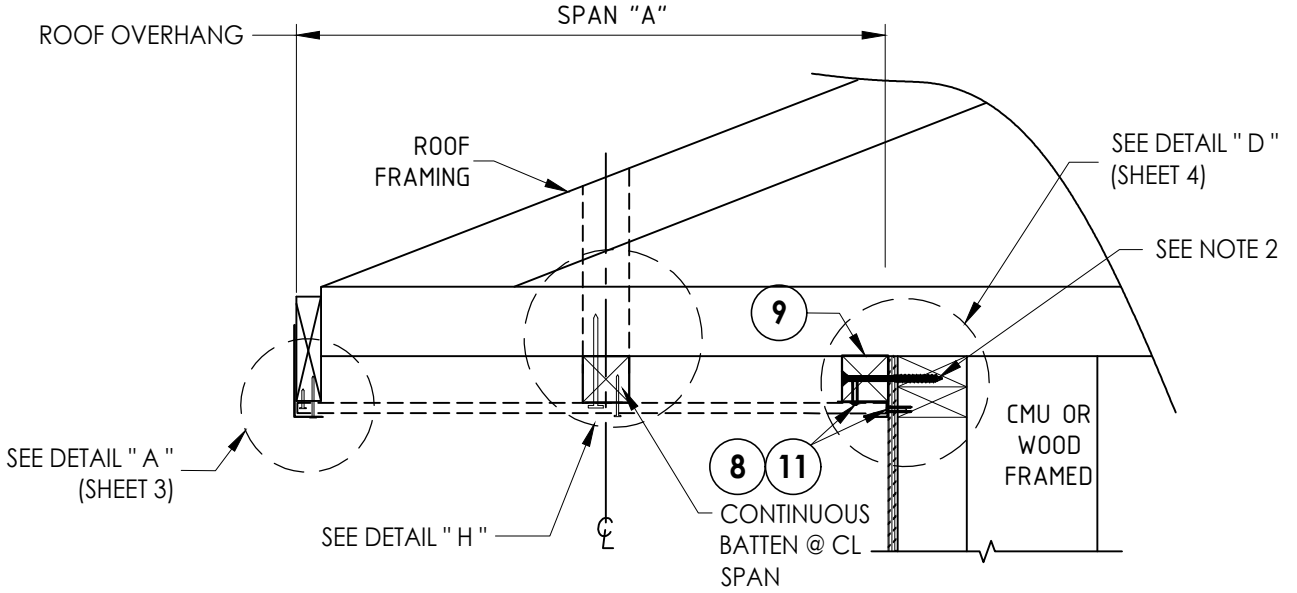
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ITEM	DESCRIPTION	MATERIAL
1	FASCIA (0.0215" THK.) ALUM. 3105 - H14	ALUMINUM
2	"J" CHANNEL (0.0155" THK.) ALUM. 3105 - H24	ALUMINUM
5	QUAD 4 PANEL (0.0115" OR 0.0135" THICK) ALUM. 3105	ALUMINUM
6	TRIPLE 4 PANEL (0.0115" OR 0.0135" THICK) ALUM. 3105	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

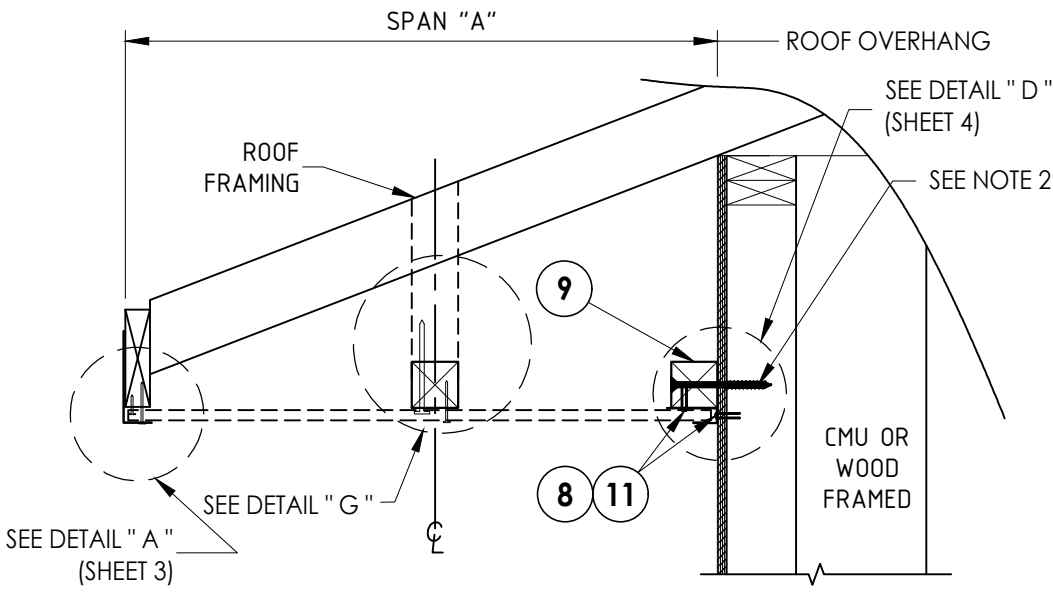


TWIN SPAN LENGTH w/CONTINUOUS BATTEN "A"	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
16"	+70.0	-70.0
18"	+66.5	-66.5
20"	+60.0	-60.0
22"	+54.5	-54.5
24"	+50.0	-50.0

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	REVISIONS
8	9/13/23	UPDATE TO 8TH ED. (2023) FBC
7	10/01/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 1/9/09
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-12019.1
SHEET 5 OF 5