



AMERICAN CONSTRUCTION METALS

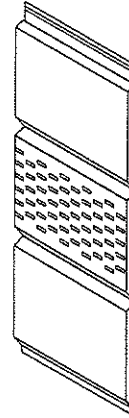
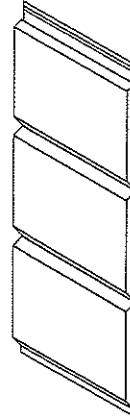
6938 N. US Hwy. 41
Apollo Beach, FL 33572

"TRIPLE 4" & "QUAD 4" ALUMINUM SOFFIT

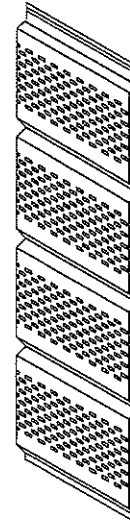
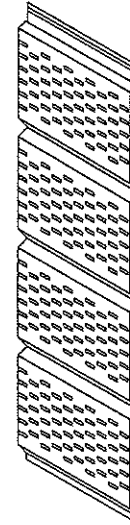
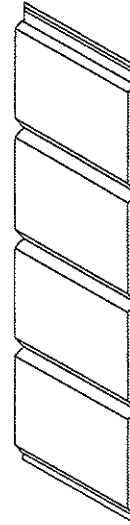
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 5th Edition (2014) 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 requirements of FBC Section 1404.5.1 and labeled according to FBC Section 1710.9.

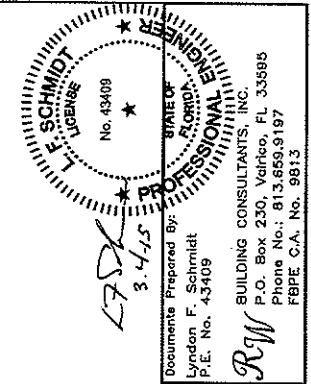
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations & general notes
2	Panel details
3	Soffit details & design pressures
4	Soffit details & design pressures
5	Soffit details, design pressures & bill of materials



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)



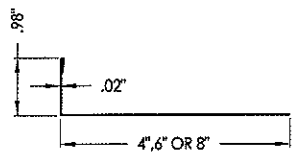
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Vero, FL 33595
Phone No.: 813.859.9197
FBPE, C.A. No. 9813

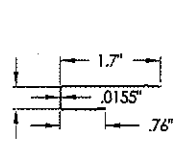
PRODUCT:		ALUMINUM SOFFIT	
PART OR ASSEMBLY:		TYPICAL ELEVATIONS & GENERAL NOTES	
4	02/02/15	UPDATE TO 5TH ED. (2014) FBC	JK
3	12/13/11	UPDATE FOR 2010 FBC	LFS
2	3/9/10	ADD DETAILS	JK
1	3/31/09	ADD DETAILS	JK
NO	DATE	BY	BY
REVISIONS			
DATE:		1/9/09	
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-12019.1	
SHEET		1 OF 5	

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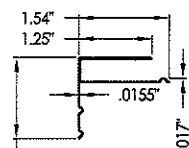
SOFFIT AIR FLOW TABLE								
SOFFIT TYPE		AIR FLOW		SOFFIT TYPE		AIR FLOW		
		FREE FLOW AREA SQ. IN/SQ.FT	% FREE FLOW AREA			FREE FLOW AREA SQ. IN/SQ.FT	% FREE FLOW AREA	
Triple 4	CENTER VENT NARROW PATTERN	3.91	2.71%	Quad 4	FULL VENT NARROW PATTERN	11.74	8.15%	
	FULL VENT NARROW PATTERN	11.74	8.15%			FULL VENT WIDE PATTERN	3.69	2.56%
	FULL VENT WIDE PATTERN	3.69	2.56%				3.69	2.56%



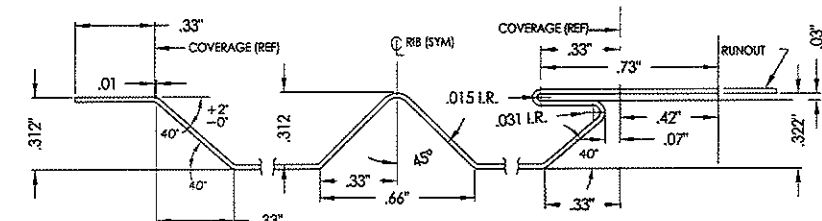
1 FASCIA
Aluminum



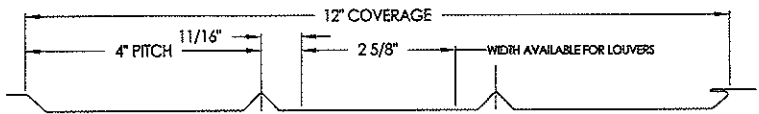
2 1/2" CHANNEL
Aluminum



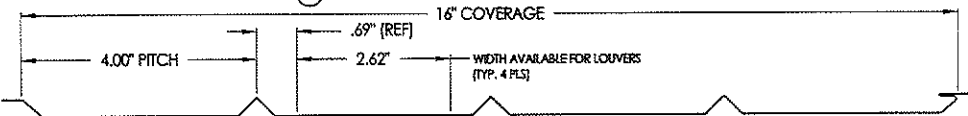
3 1" CHANNEL
Aluminum



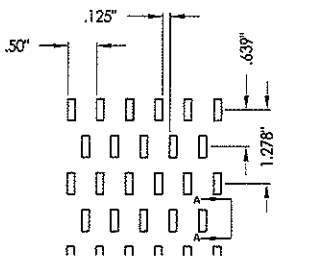
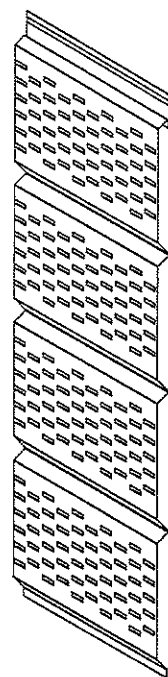
RIB AND END DETAILS



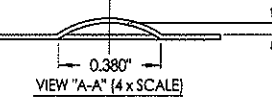
5 TRIPLE 4 PANEL



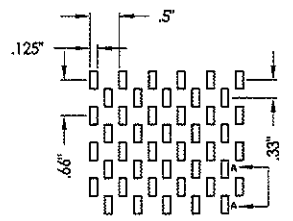
6 QUAD 4 PANEL



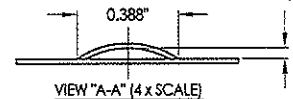
LOUVER PATTERN (FULL SCALE)
[LOUVERS FORMED IN SAME DIRECTION AS RIBS]



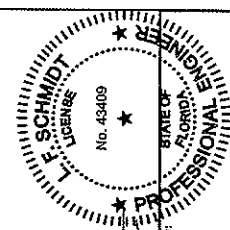
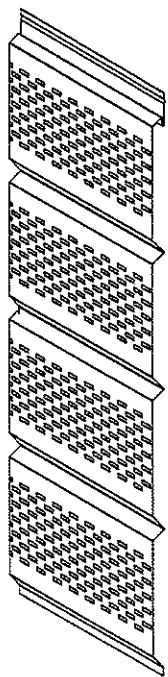
5 6 FULL VENT - WIDE PATTERN
(Louvers formed in same direction as ribs)



LOUVER PATTERN
(LOUVERS FORMED IN SAME DIRECTION AS RIBS)



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

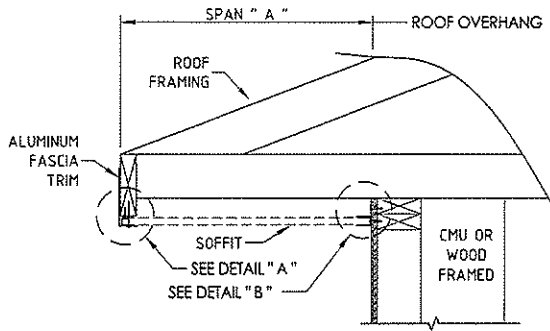


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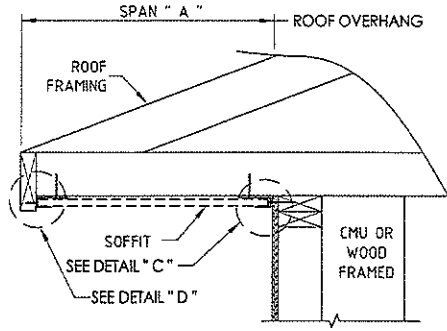
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		ALUMINUM SOFFIT		PART OR ASSEMBLY:		PANEL DETAILS	
NO.	DATE	BY	CHK.	DATE	BY	CHK.	REVISIONS
1	03/02/15	JFK	JFK	01/01/09			
2	11/21/11	LFS	LFS				UPDATE TO 5TH ED. (2014) FBC
3	3/9/10	JFK	JFK				UPDATE FOR 2010 FBC
4	3/31/09	JFK	JFK				ADD DETAILS
5	3/31/09	JFK	JFK				ADD DETAILS

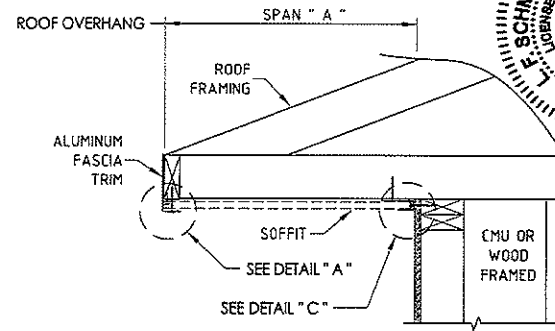
DATE: 01/01/09
SCALE: N.T.S.
DWS. BY: JFK
CHK. BY: LFS
DRAWING NO.: FL-12019.1
SHEET 2 OF 5



SIDE VIEW - SINGLE SPAN w/F-CHANNEL
(Shown w/ truss/framing cantilever)



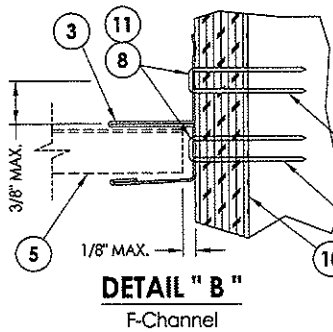
SIDE VIEW - SINGLE SPAN w/J-CHANNELS
(Shown w/ truss/framing cantilever)



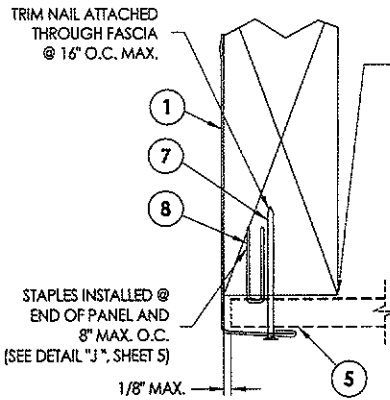
SIDE VIEW - SINGLE SPAN w/J-CHANNEL
(Shown w/ truss/framing cantilever)

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

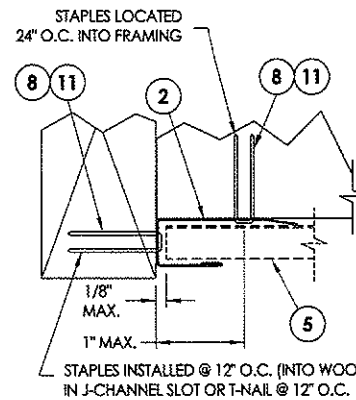
NOTE: WOOD FRAMING AND CONNECTIONS TO BE DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD



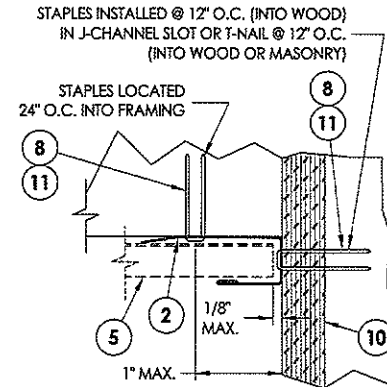
DETAIL "B"
F-Channel



DETAIL "A"
Fascia



DETAIL "D"
J-Channel
Fascia



DETAIL "C"
J-Channel

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
 3-1/2"

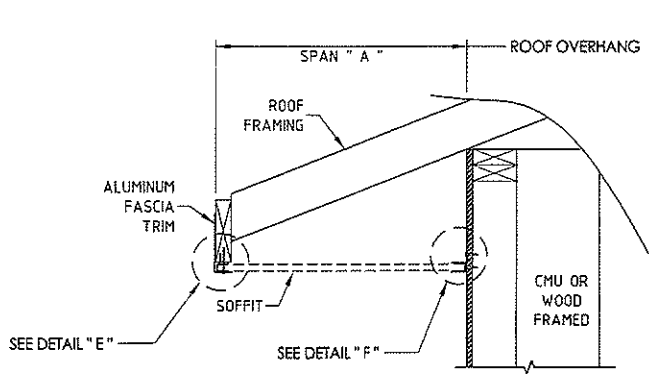
PROFESSIONAL ENGINEER
 BUILDING CONSULTANTS, INC.
 P.O. Box 230, Valrico, FL 33595
 Phone No.: 813.659.9197
 FBPE C.A. No. 9813

PRODUCT:		ALUMINUM SOFFIT	
PART OR ASSEMBLY:		SOFFIT DETAILS & DESIGN PRESSURES	
NO.	DATE	BY	REVISIONS
1	03/02/15	JK	UPDATE TO 5TH ED. (2014) FBC
2	12/15/11	LFS	UPDATE FOR 2010 FBC
3	3/9/10	JK	ADD DETAILS
4	3/31/09	JK	ADD DETAILS
DATE: 1/9/09			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-12019.1			
SHEET 3 OF 5			

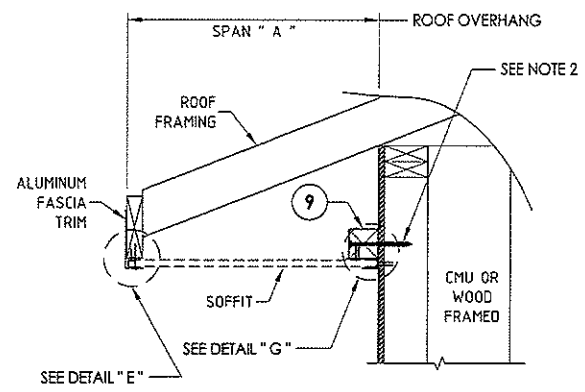
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SIDE VIEW - SINGLE SPAN w/F-CHANNEL
(Shown w/ truss/framing overhang)



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

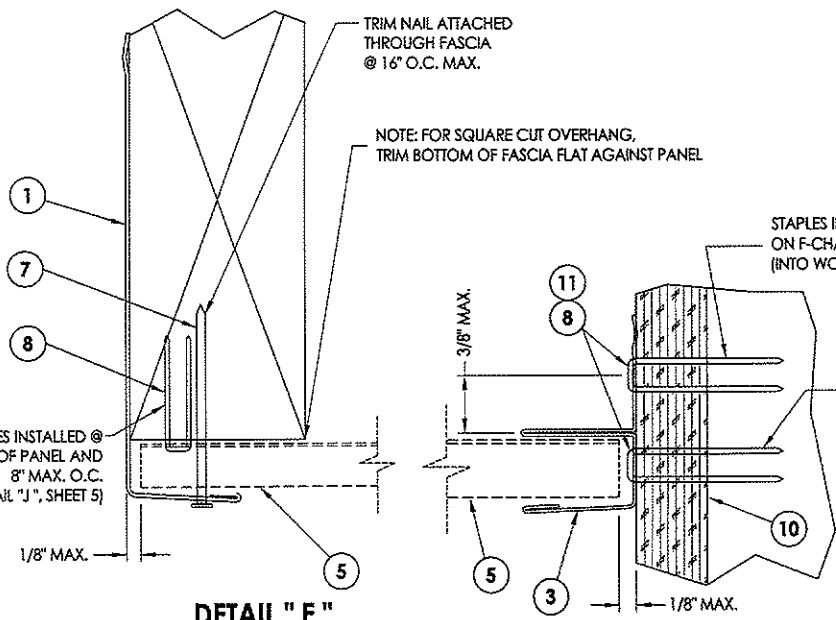
- CONNECTOR NOTES:**
- WOOD FRAMING AND CONNECTIONS TO BE DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD
 - 12d COMMON NAIL OR 3/16" #1W TAPCON CONCRETE SCREW (MIN. 1-1/4" EMBEDMENT) @ 24" ON CENTER

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

L. SCHMIDT
ENGINEER
No. 43409
FLORIDA

R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9187
FBPE C.A. No. 9813

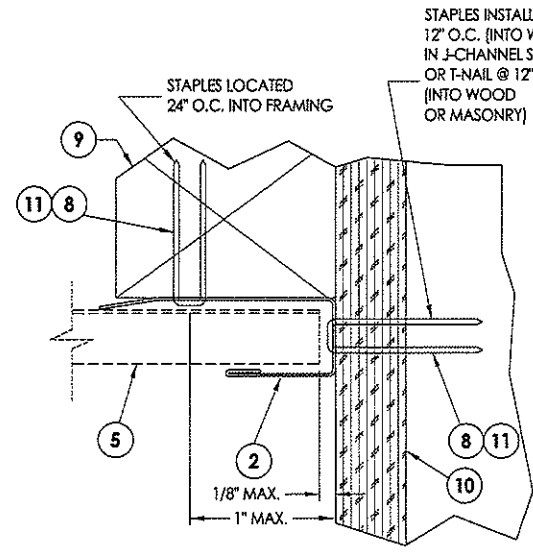
Documents Prepared By: *LFS*
Lyndon F. Schmidt
P.E. No. 43409



DETAIL "E"
Fascia

DETAIL "F"
F-Channel

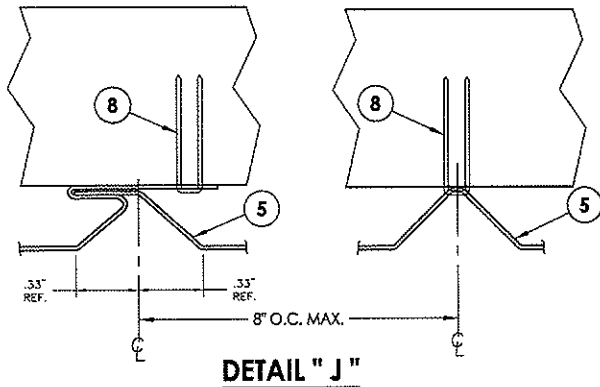
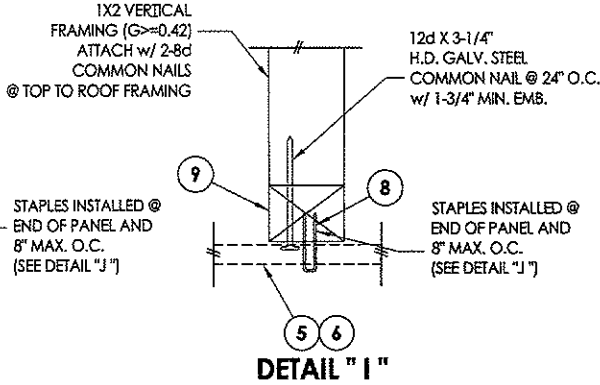
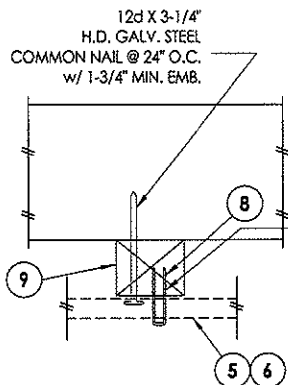
- SUBSTRATE NOTES:**
- WOOD SUBSTRATE: G = 0.42 OR BETTER
 - MASONRY SUBSTRATE: 3,000 PSI CONCRETE (ACI 301) OR HOLLOW BLOCK (ASTM C90).



DETAIL "G"
J-Channel

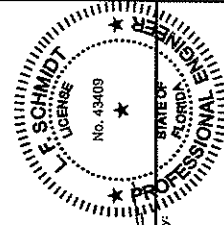
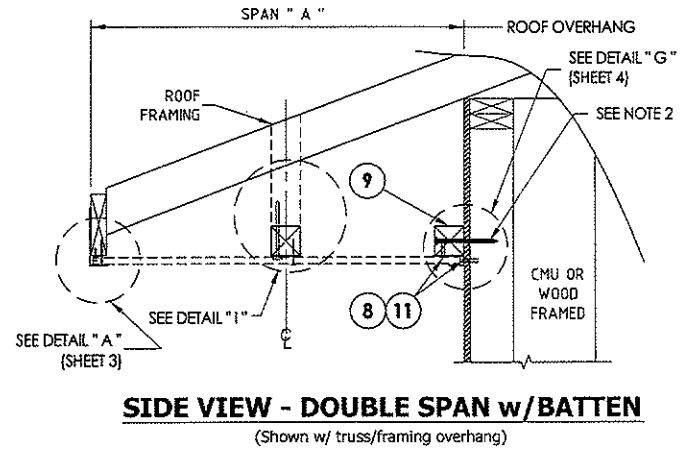
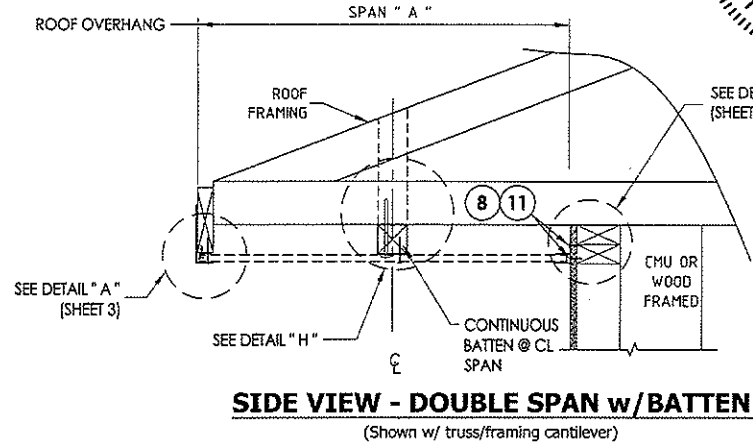
PRODUCT:	ALUMINUM SOFFIT	
PART OR ASSEMBLY:	SOFFIT DETAILS & DESIGN PRESSURES	
REVISIONS		
NO	DATE	BY
4	03/02/15	JK
3	12/13/11	LFS
2	3/9/10	JK
1	3/31/09	JK
DATE:	1/9/09	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-12019.1	
SHEET	4 OF 5	

ITEM	DESCRIPTION	MATERIAL
1	FASCIA .0215" THK. AL. 3105 - H14	ALUMINUM
2	"J" CHANNEL .0155" THK. AL. 3105 - H24	ALUMINUM
3	"F" CHANNEL .0155" THK. AL. 3104 - H19	ALUMINUM
5	QUAD 4 PANEL (.0115 OR .0135" THICK) AL. 3105	ALUMINUM
6	TRIPLE 4 PANEL (.0115 OR .0135" THICK) AL. 3105	ALUMINUM
7	#15 x 1-3/4" TRIM NAIL	S.S.
8	18" GA. X 1/4" SS STAPLE (w/ 7/8" MIN. EMBEDMENT)	STEEL
9	2" X 2" BATTEN STRIP (G=42 OR BETTER)	WOOD
10	APA B-C- GROUP 1 EXT. 15/32" PLYWOOD OR BETTER	WOOD
11	.097" DIA. T-NAIL (w/ 5/8" 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



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 Phone No: 813.659.9197
 FBPE, C.A. No. 9813

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

NO.	DATE	BY	REVISIONS
1	1/9/09	JJK	UPDATE TO 5TH ED. (2014) FBC
2	3/9/10	JJK	UPDATE FOR 2010 FBC
3	3/31/09	JJK	ADD DETAILS
4	3/31/09	JJK	ADD DETAILS

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