

KAYCAN LTD.

ALUMINUM SOFFIT - SOLID AND VENTED WITH SINGLE SPANS

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1.

THIS PRODUCT HAS BEEN TESTED AND DESIGNED TO COMPLY WITH THE CURRENT EDITION OF FLORIDA BUILDING CODE- BUILDING AND RESIDENTIAL VOLUMES EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AT THE DESIGN PRESSURES SHOWN ON THIS SHEET (SEE TABLE). THESE PRODUCTS WERE TESTED TO ASTM E330-02. STRUCTURAL TEST RESULTS BASED ON ASTM E330-02 WERE DIVIDED BY 1.5 AS REQUIRED BY THE BUILDING CODE.
2.

DESIGN PRESSURE (DP) RATINGS SHOWN ON THIS SHEET ARE DOCUMENTED AT TWO EAVE WIDTHS.

2.1.

FOR EAVE WIDTHS THE SAME AS THE MINIMUM AND MAXIMUM RANGES SHOWN, THE DP FOR THAT EAVE WIDTH SHALL APPLY.

2.2.

FOR EAVE WIDTHS LESS THAN THE MINIMUM SHOWN, THE DP AT THE MINIMUM EAVE WIDTH SHALL APPLY.

2.3.

FOR EAVE WIDTHS GREATER THAN THE MINIMUM BUT LESS THAN THE MAXIMUM SHOWN, THE DP MAY BE LINEARLY INTERPOLATED.

2.4.

EAVE WIDTHS GREATER THAN THE MAXIMUM EAVE WIDTH SHOWN ARE NOT ALLOWED.
3.

THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED FENESTRATION TESTING LABORATORY, INC. TESTING REPORT NO. 7367, DATED 6/1/13 AND NO. 7329, DATED 5/21/13 INCLUDING ASSOCIATED LABORATORY STAMPED DRAWINGS.

3.1.

INSTALLATION METHODS (INCLUDING F-CHANNEL) DEPICTED IN THIS DRAWING WERE TESTED AND VERIFIED IN REPORT NO. 7367.
4.

ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE, MASONRY AND WOOD FRAMING COMPRISING THE ATTACHMENT SUBSTRATE FOR THE SOFFIT SHALL BE DETERMINED TO BE CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THAT STRUCTURE AND IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD FOR THE PROJECT.
5.

OVERHANGS RECEIVING SOFFIT SHALL BE CHECKED FOR STRUCTURAL ADEQUACY. DAMAGE, CRACKS OR DEFECTS THAT MAY PRECLUDE THE SOFFIT FROM PERFORMING ITS INTENDED FUNCTIONS SHALL BE ELIMINATED.
6.

INSTALLATION OF SOFFIT AND ACCESSORIES SUCH AS CORNER POSTS, STARTER STRIPS, AND TRIM AROUND OPENINGS SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES AND THE MANUFACTURER'S INSTRUCTIONS.
7.

SITE CONDITIONS THAT DEVIATE FROM THE DETAILS OF THIS DRAWING REQUIRE FURTHER ENGINEERING EVALUATION BY A LICENSED ENGINEER OR REGISTERED ARCHITECT
8.

SOFFIT SHALL BE LABELED IN ACCORDANCE WITH THE CURRENT EDITION OF FLORIDA BUILDING CODE.
9.

SOFFIT NET FREE AREA IN ACCORDANCE WITH THE CURRENT EDITION OF FLORIDA BUILDING CODE ARE SHOWN IN THE APPROVED SOFFIT SCHEDULE ON SHEET 2.
10.

MATERIALS:

10.1.

KAYCAN BUILDING PRODUCTS ALUMINUM SOFFIT AND TRIM IS MANUFACTURED FROM ALUMINUM ALLOY WITH ASTM E8 TESTED TENSILE STRENGTH OF 21 KSI AND YIELD STRENGTH OF 9.86 KSI.

10.2.

SEE SHEET 2 FOR SOFFIT SPECIFICATIONS.

INSTALLATION NOTES:

1.

ANCHORS SHALL BE THE TYPE, SIZE, EMBEDMENT AND EDGE DISTANCE SHOWN HEREIN FOR RESPECTIVE SUBSTRATE.
2.

INSTALLATION ANCHORS SHALL BE AS SHOWN ON THE INSTALLATION FASTENER SCHEDULE ON SHEET 2 AND IN INSTALLATION DETAILS ON SHEETS 6 THROUGH 11.
3.

MINIMUM EMBEDMENT EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING). EDGE DISTANCES SHALL BE SUCH TO PREVENTIVE CRACKING OF SUBSTRATE MATERIAL.
4.

ALL FASTENERS SHALL HAVE CORROSION RESISTANT COATINGS OR BE MADE OF CORROSION RESISTANT MATERIALS COMPATIBLE WITH THE SUBSTRATE MATERIALS.

DESIGN PRESSURE (PSF) RATING		
ALUMINUM SOFFIT SERIES	EAVE WIDTH (IN)	DESIGN PRESSURE (PSF)
SP-600 16” SOLID SOFFIT SP-600 16” VENTED SOFFIT	12	+93.3/−40
	24	+80/−36.7
12” SOLID 3 PANEL SOFFIT 12” VENTED 3 PANEL SOFFIT	12	+106.7/−46.7
	24	+93.3/−40
DESIGN PRESSURE RATINGS SHOWN ABOVE SHALL BE COMPARED TO LOADING BASED ON Vasd BASIC WIND SPEEDS. THUS PROJECT DESIGN PRESSURES AS DETERMINED FROM ASCE 7 BASED ON Vult BASIC WIND SPEEDS ARE PERMITTED TO BE MULTIPLIED BY 0.6 PER THE CURRENT EDITION OF THE FLORIDA BUILDING CODE FOR COMPARISON TO THE DESIGN PRESSURE RATINGS ABOVE.		

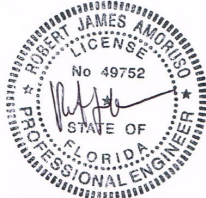
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2	APPROVED ALUMINUM SOFFIT AND TRIM SCHEDULE INSTALLATION FASTENER SCHEDULE
3 TO 5	SOFFIT AND ACCESSORY PROFILES
6	SOFFIT INSTALLATION CROSS SECTION
7 & 8	WALL SIDE - STAPLE DETAIL
9 & 10	WALL SIDE - NAIL DETAIL
11	FASCIA SIDE DETAIL

REVISIONS			
REV.	DESCRIPTION	DATE	BY
A	UPDATED TO 2023 FBC	2/1/24	RJA

KAYCAN LTD. 3075 TRANS-CANADA HWY POINTE-CLAIRE, QC, H9R 1B4, CANADA			
ALUMINUM SOFFIT INSTALLATION- SINGLE SPANS GENERAL NOTES AND SPECIFICATIONS			
DRAWN: RJA	DWG NO. KAY5014	PROJECT NO. ACE-2024-100	REV A
SCALE NTS	DATE 02/01/2024	SHEET 1 of 11	

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INSTALLATION FASTENER SCHEDULE				
Wall Side				
F-Channel (Trim)				
Component	Substrate	Fastener	Min. Embedment (Note 1)	Max. Spacing
Channel	Wood Wall	Min. 1/8" (0.12") Dia. Nail with 3/8" Head Dia.	1-1/2"	24"
		16 GA. X 7/16" Width Crown Staple 1" Min. Length in	7/8"	24"
	Concrete or Masonry (CMU Block) Wall	Min. 0.097" Diameter Hardened T-Nail	1"	24"
J-Channel (Trim)				
Component	Substrate	Fastener	Min. Embedment (Note 1)	Max. Spacing
Channel	Wood Wall	Min. 1/8" (0.12") Dia. Nail with 3/8" Head Dia.	1-1/2"	24"
		16 GA. X 7/16" Width Crown Staple 1" Min. Length	7/8"	12"
	Wood Batten	Min. 1/8" (0.12") Dia. Nail with 3/8" Head Dia.	1-1/2"	12"
		16 GA. X 7/16" Width Crown Staple 1" Min. Length	7/8"	24"
	Concrete or Masonry (CMU Block) Wall	Min. 0.097" Diameter Hardened T-Nail	1"	12"
2x2 Nominal	Wood	#8 x 3" FH Wood Screw or Tapping Screw	1-1/2"	24"
Wood Batten	Concrete or Masonry (CMU Block) Wall	3/16" ITW Tapcon Concrete Screw	1"	24"
Fascia Side				
Soffit				
Component	Substrate	Fastener	Min. Embedment (Note 1)	Max. Spacing
Soffit	Wood	16 GA. X 7/16" Width Crown Staple 1" Min. Length	7/8"	Located In Each Soffit Panel Valley
Fascia (Trim)				
Component	Substrate	Fastener	Min. Embedment (Note 1)	Max. Spacing
Fascia	Wood	1-3/4" Long x 0.072" Dia. Trim Nail Stainless Steel	1-3/4"	48"
Note 1: Embedment based on nominal length of fastener through soffit or channel into supporting substrate w/o wall finishes. Where wall finishes are present, the fastener length will be increased as required to maintain embedment depth into supporting substrate.				

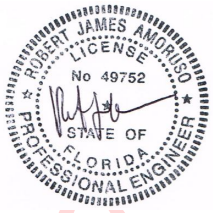
Kaycan Aluminum Soffit Product					
Product	Kaycan Catalog Product Code	Panel Length (in)	Thickness (in)	Net Free Area (sq. in./lineal ft.)	Net Free Area (sq. in./sq. ft.)
SP-600 16" Solid Soffit	606	144	0.015	n/a	n/a
SP-600 16" Vented Soffit	605	144	0.015	21.8	17.3
12" Solid 3 Panel Soffit	9518	144	0.015	n/a	n/a
12" Vented 3 Panel Soffit	9517	144	0.015	6.57	6.57
Channel/Trim (Aluminum)	1191, F-Channel	n/a	0.022	n/a	n/a
	1029, J-Channel	n/a	0.022	n/a	n/a
4" Fascia Trim (Aluminum)	9700	n/a	0.022	n/a	n/a

REVISIONS				SCHEDULE INSTALLATION FASTENER SCHEDULE							
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A	UPDATED TO 2023 FBC		2/1/24	RJA	SCALE NTS		DATE 02/01/2024		SHEET 2 of 11		

KAYCAN LTD. 3075 TRANS-CANADA HWY POINTE-CLAIRE, QC, H9R 1B4, CANADA			
ALUMINUM SOFFIT INSTALLATION- SINGLE SPANS APPROVED ALUMINUM SOFFIT AND TRIM SCHEDULE INSTALLATION FASTENER SCHEDULE			

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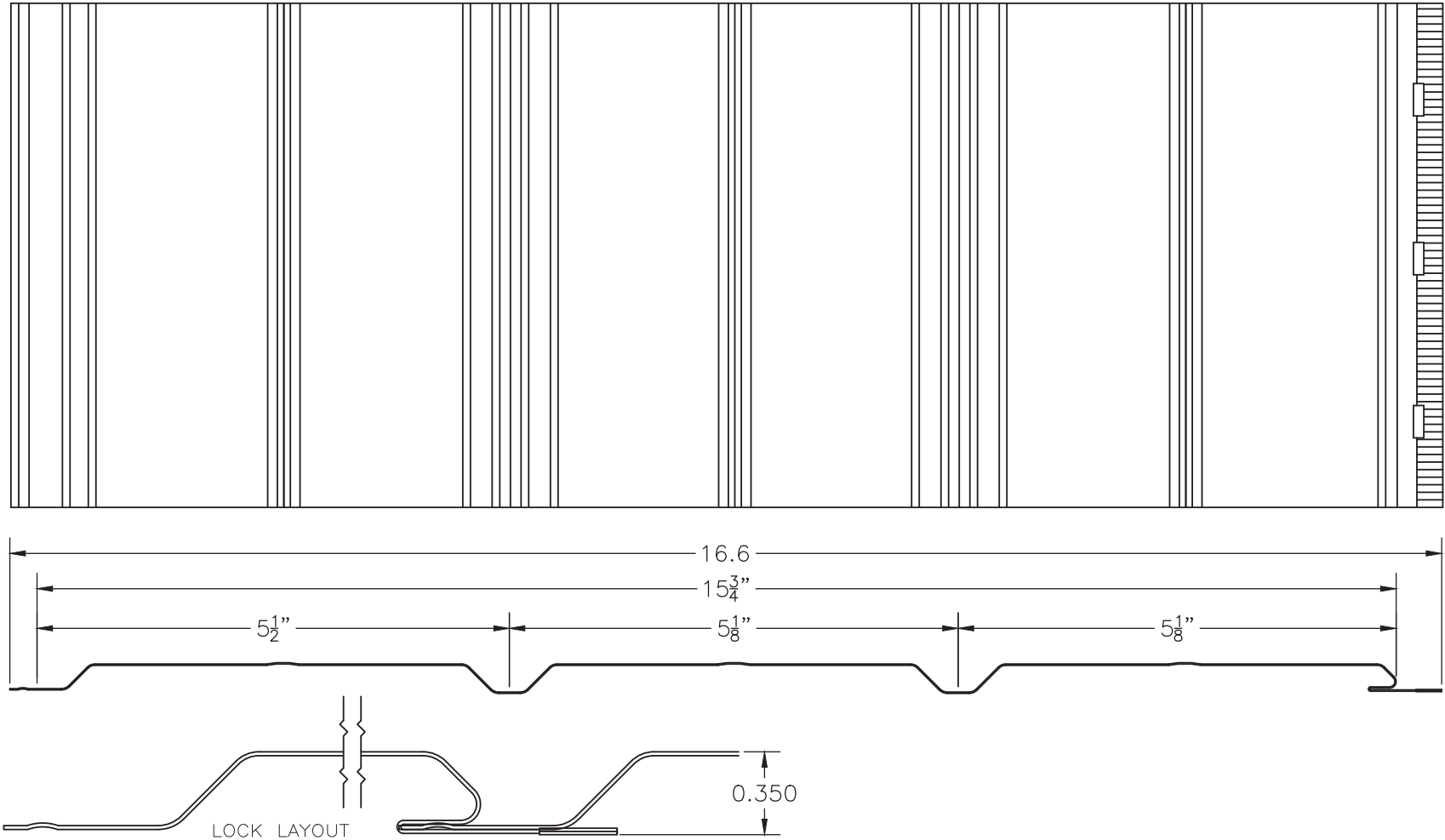
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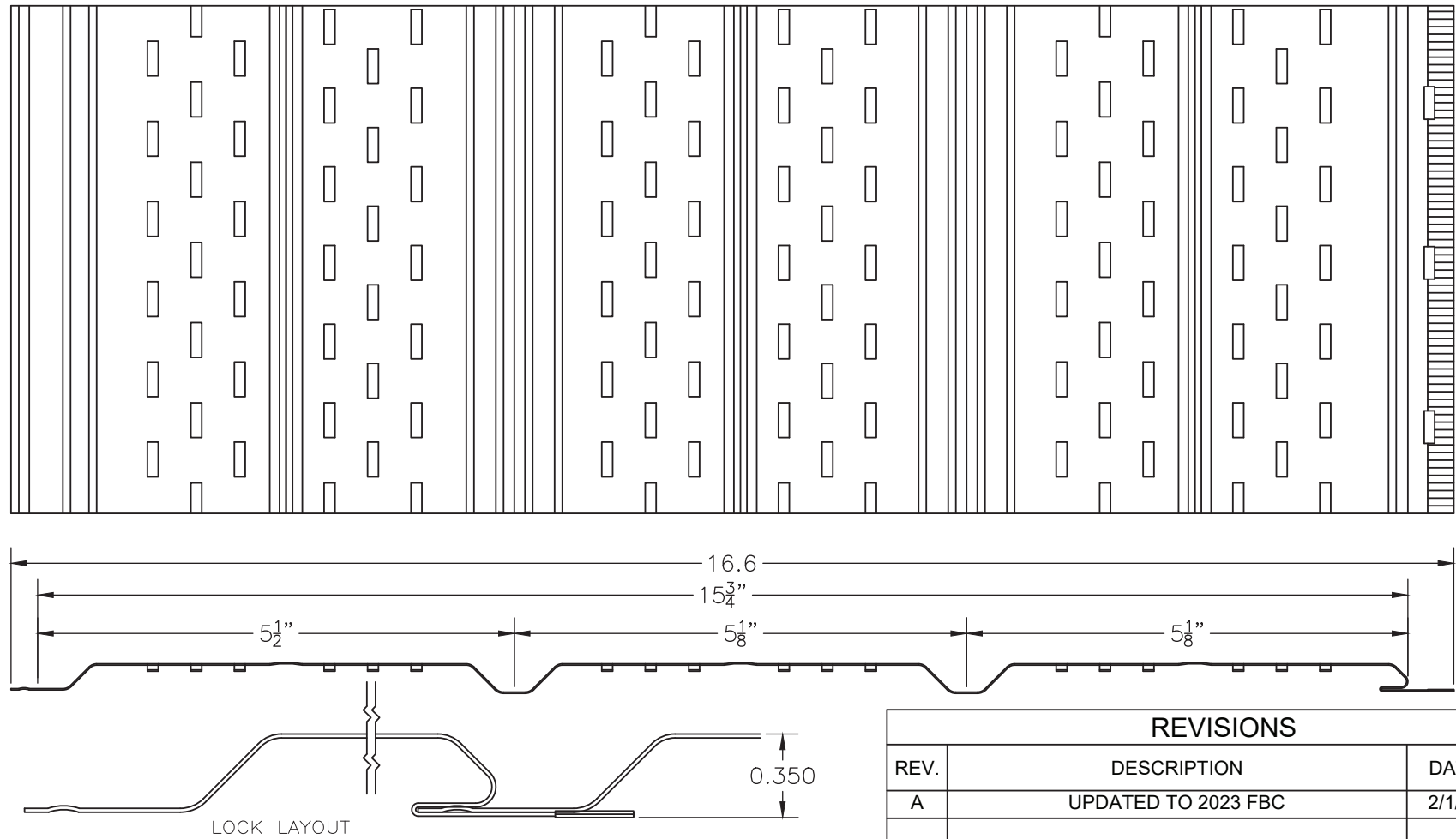
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SP-600 16" SOLID
SOFFIT – ALUMINUM



SP-600 16" VENTED
SOFFIT – ALUMINUM

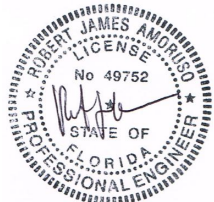


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ALUMINUM SOFFIT INSTALLATION- SINGLE SPANS SP-600 16" SOLID & VENTED SOFFIT ALUMINUM			
DRAWN: RJA	DWG NO. KAY5014	PROJECT NO. ACE-2024-100	REV A
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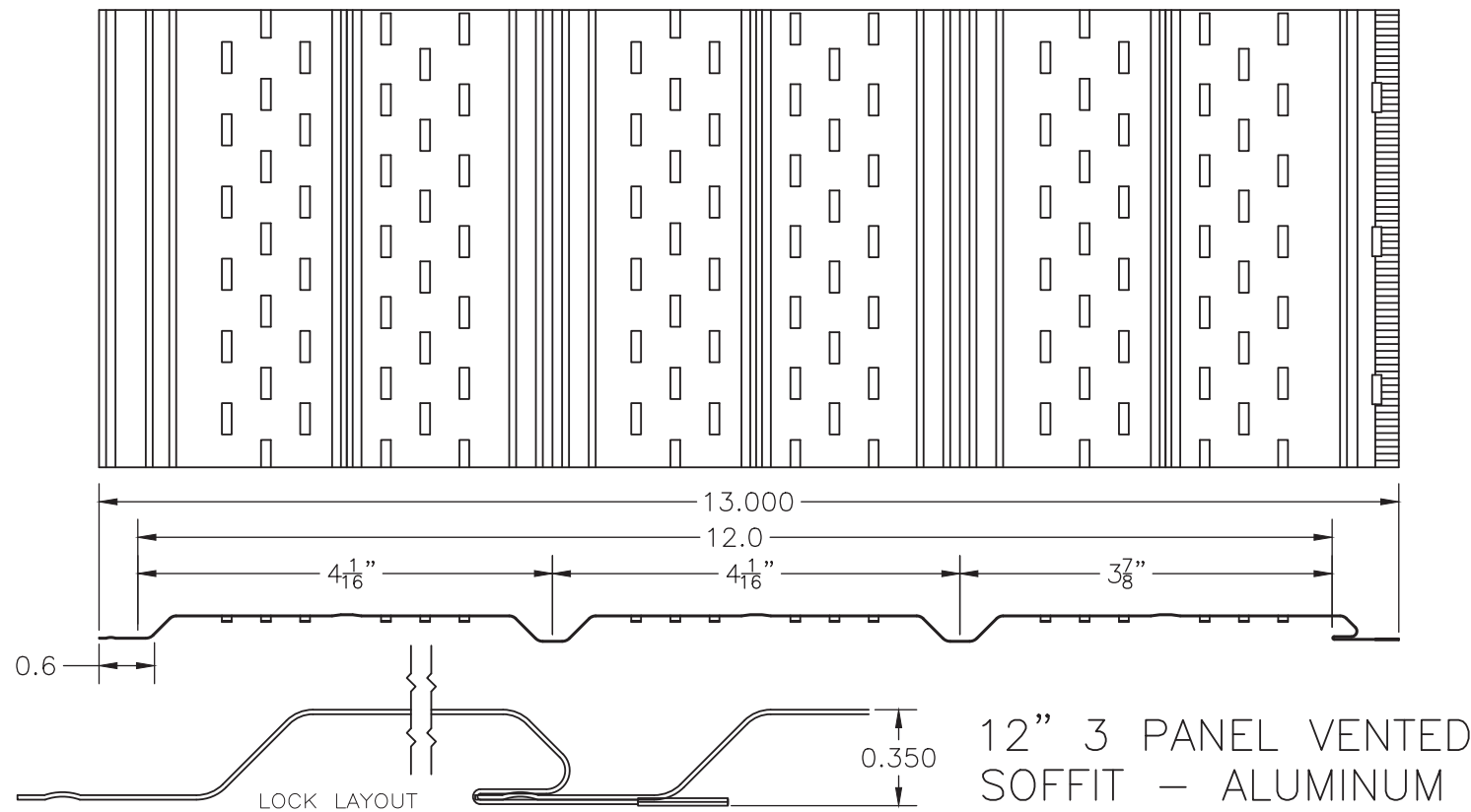
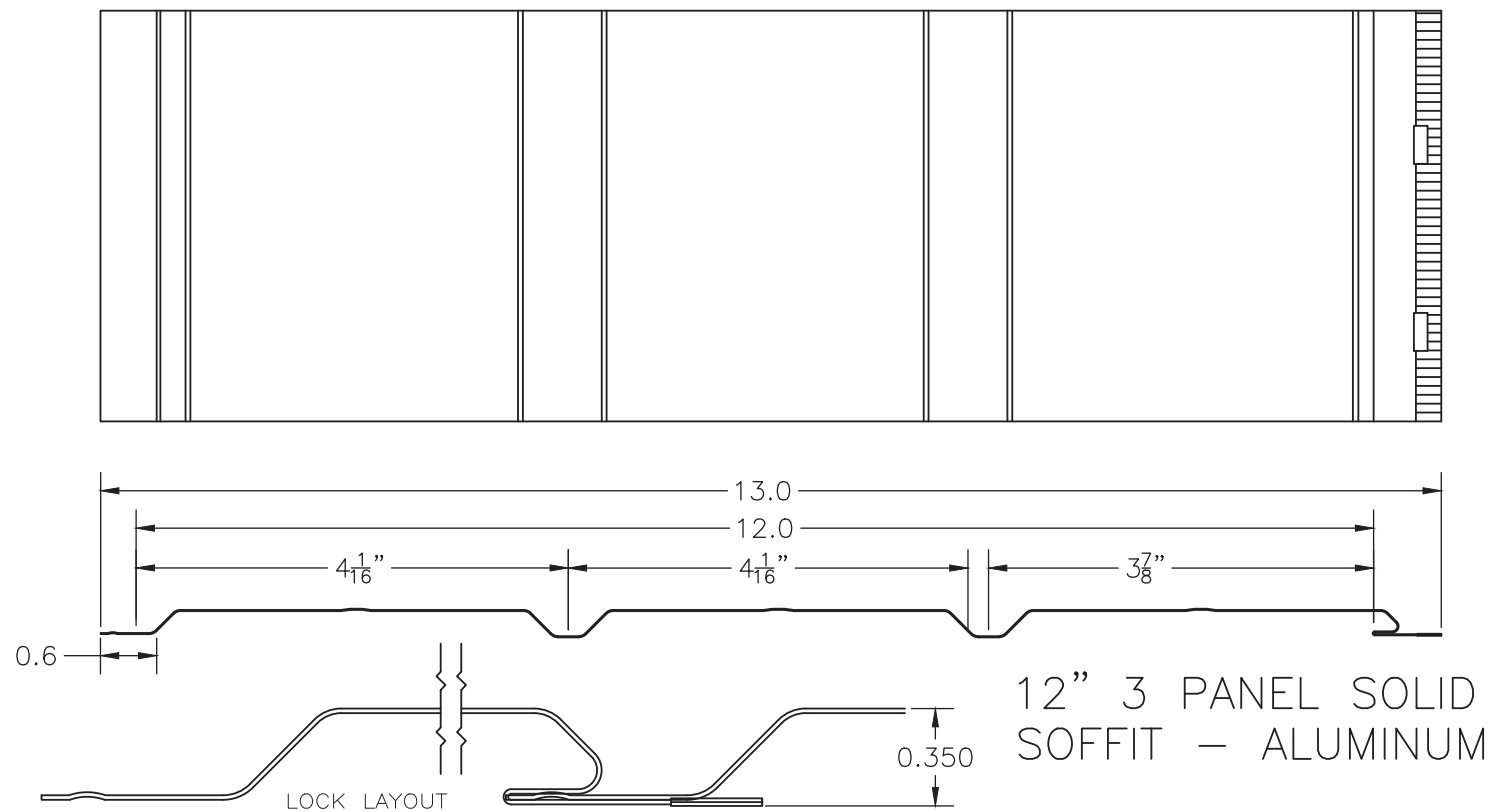
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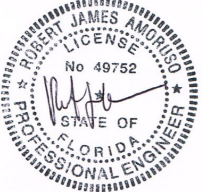


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ALUMINUM SOFFIT INSTALLATION- SINGLE SPANS 12" 3 PANEL SOLID & VENTED SOFFIT ALUMINUM			
DRAWN: RJA	DWG NO. KAY5014	PROJECT NO. ACE-2024-100	REV A
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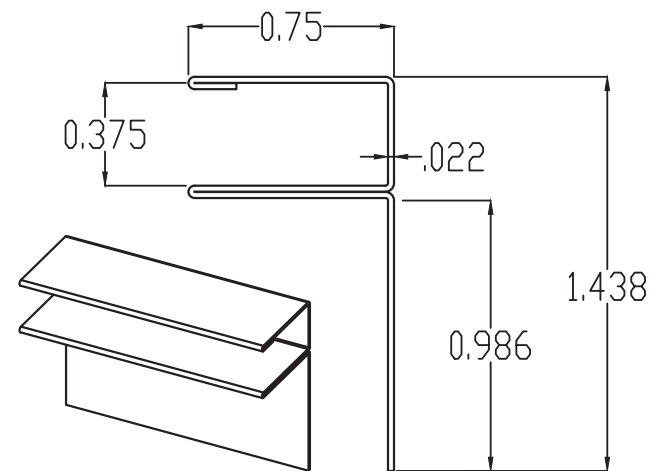
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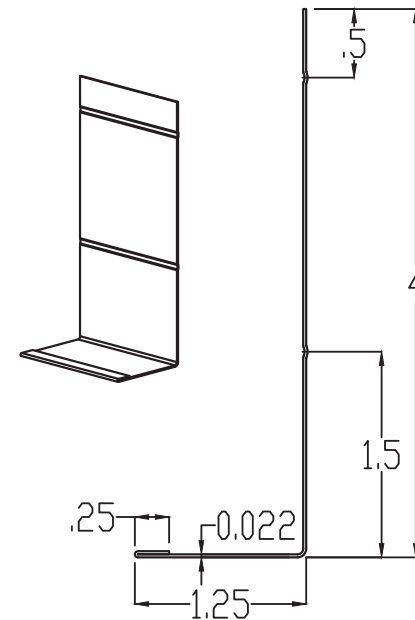


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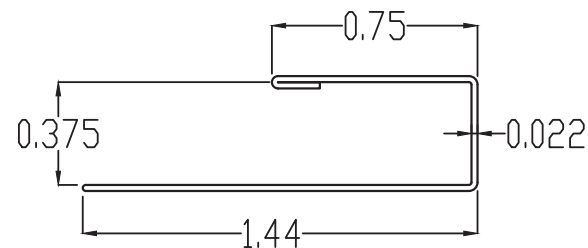
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3/8" F-CHANNEL/TRIM
ALUMINUM (No. 1191)



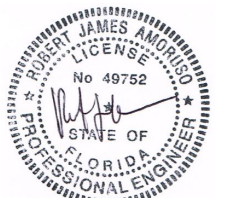
4" FASCIA SMOOTH
ALUMINUM (No. 9700)



3/8" J-CHANNEL/TRIM
ALUMINUM (No. 1029)

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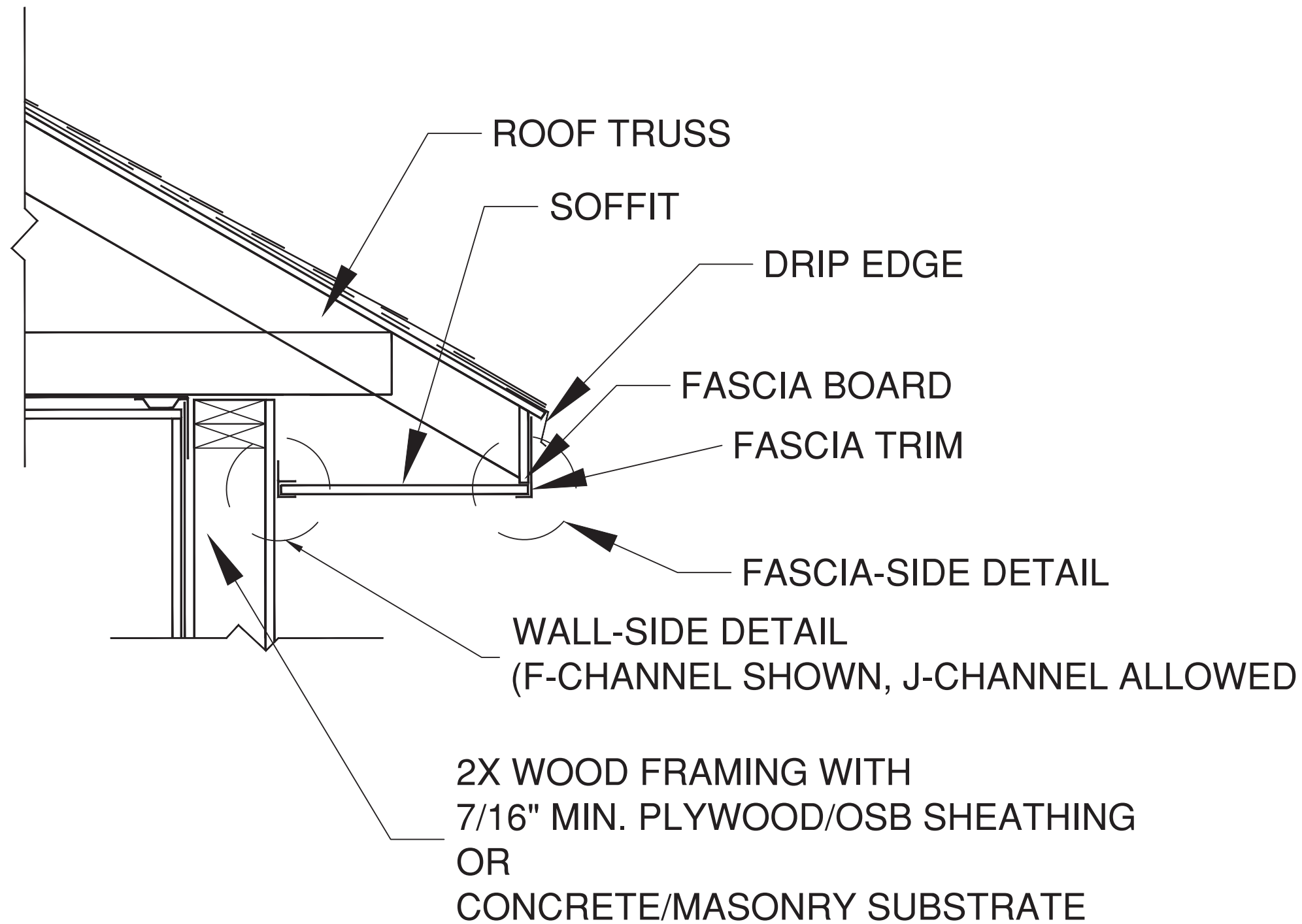


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KAYCAN LTD. 3075 TRANS-CANADA HWY POINTE-CLAIRE, QC, H9R 1B4, CANADA ALUMINUM SOFFIT INSTALLATION- SINGLE SPANS SOFFIT AND FASCIA TRIM			
DRAWN: RJA	DWG NO. KAY5014	PROJECT NO. ACE-2024-100	REV A
SCALE NTS	DATE 02/01/2024	SHEET 5 of 11	



ROOF/ WALL INTERFACE DETAIL

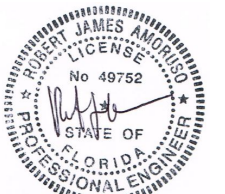
WOOD OR MASONRY/CONCRETE SUBSTRATE

REVISIONS			
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ALUMINUM SOFFIT INSTALLATION- SINGLE SPANS SOFFIT INSTALLATION CROSS SECTION			
DRAWN: RJA	DWG NO. KAY5014	PROJECT NO. ACE-2024-100	REV A
SCALE NTS	DATE 02/01/2024	SHEET 6 of 11	

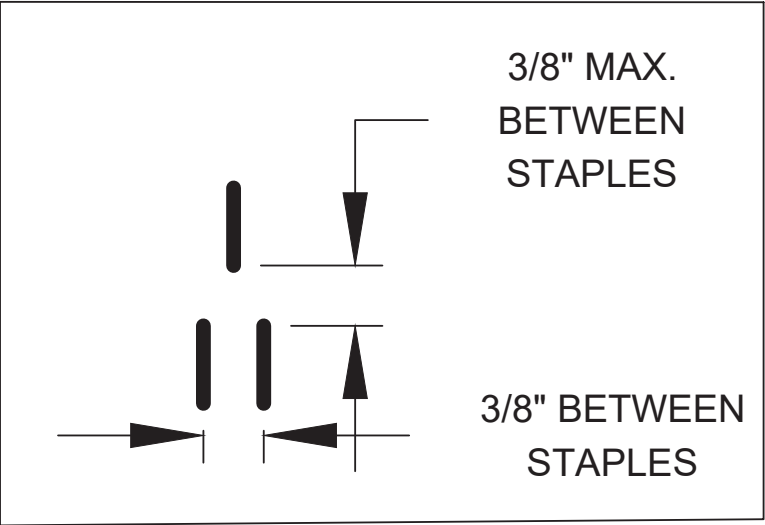
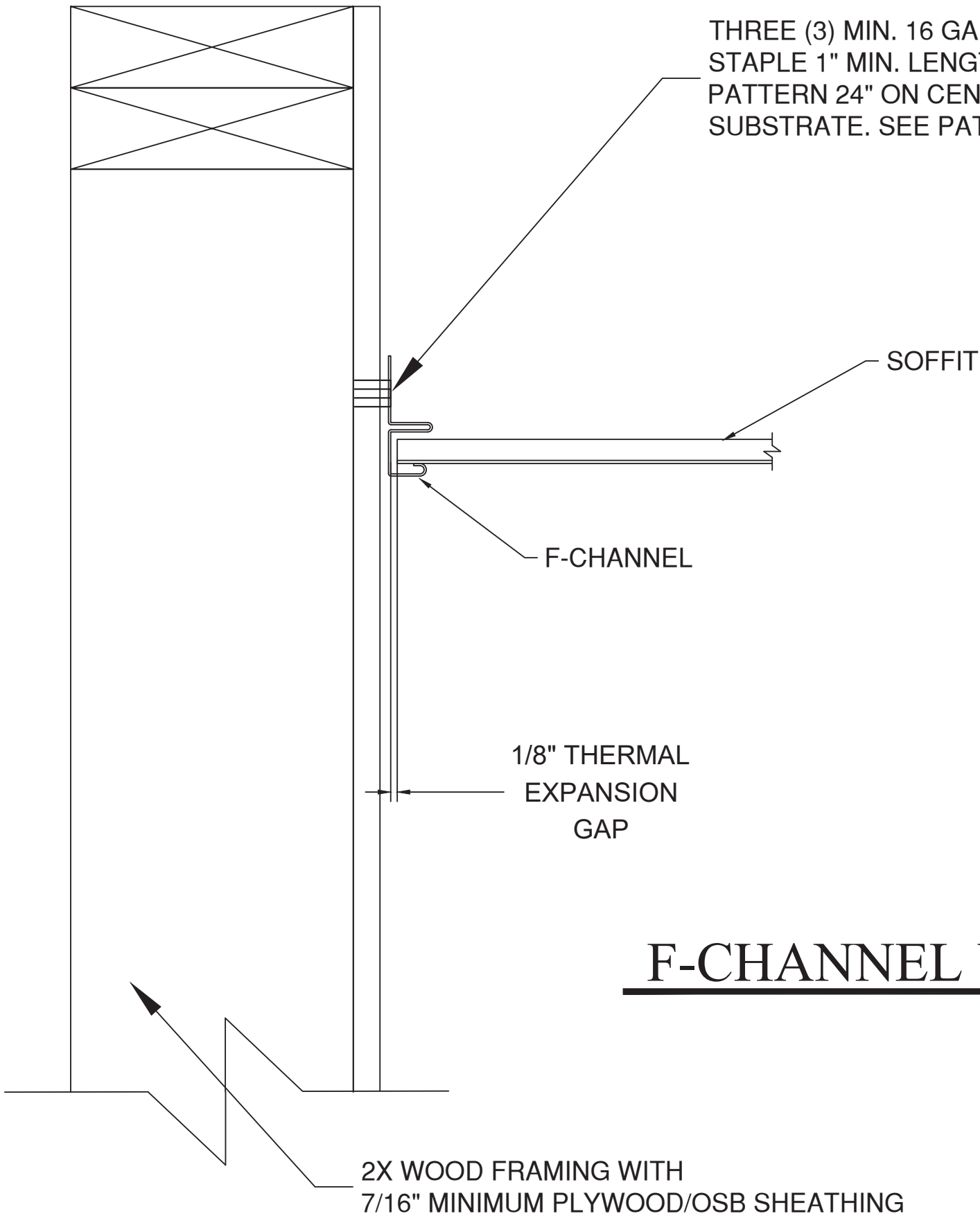
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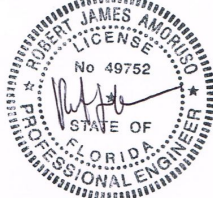
F-CHANNEL WALL SIDE - STAPLE DETAIL
WOOD SUBSTRATE

REVISIONS			
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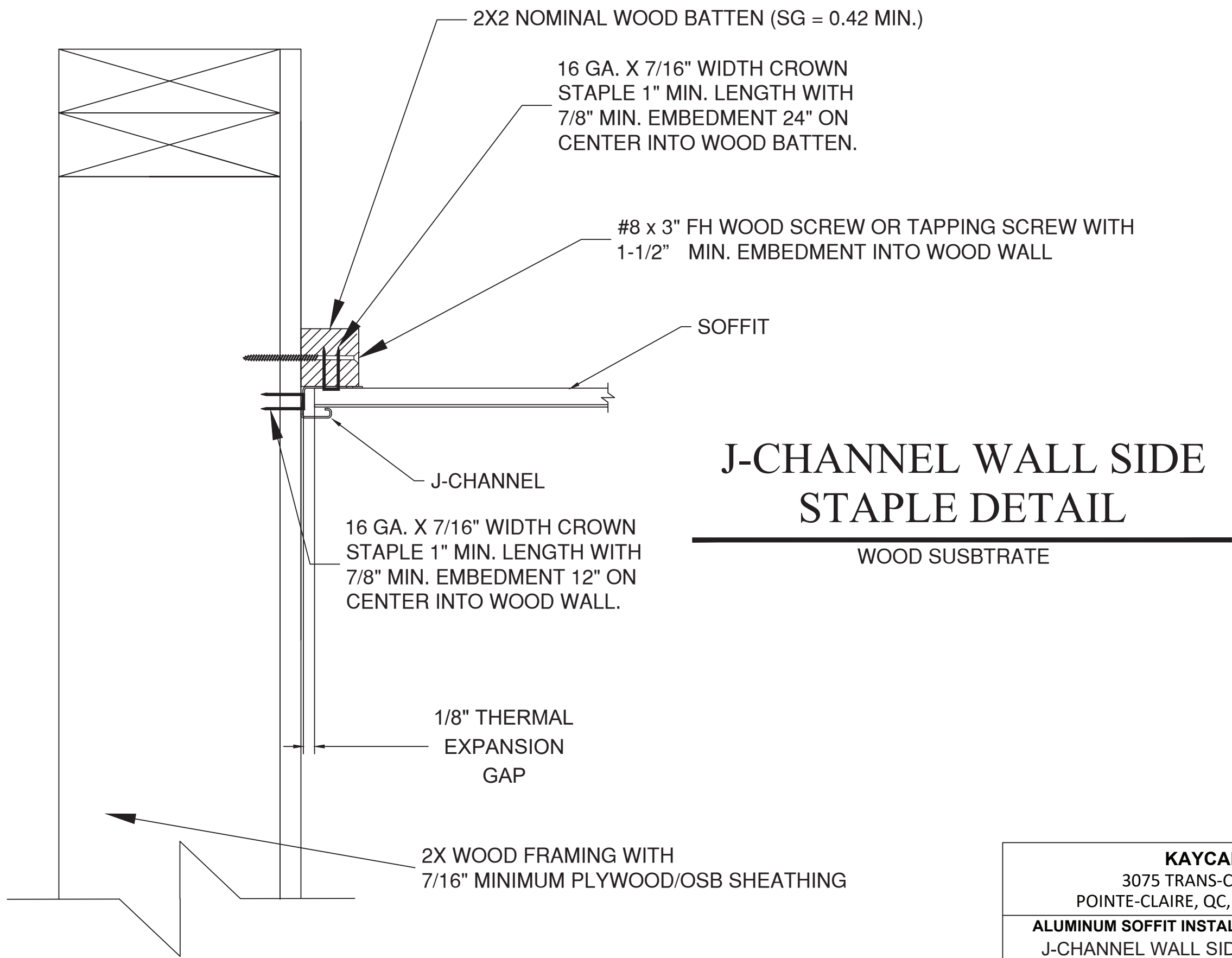
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ALUMINUM SOFFIT INSTALLATION- SINGLE SPANS F-CHANNEL WALL SIDE - STAPLE DETAIL			
DRAWN: RJA	DWG NO. KAY5014	PROJECT NO. ACE-2024-100	REV A
SCALE NTS	DATE 02/01/2024	SHEET 7 of 11	

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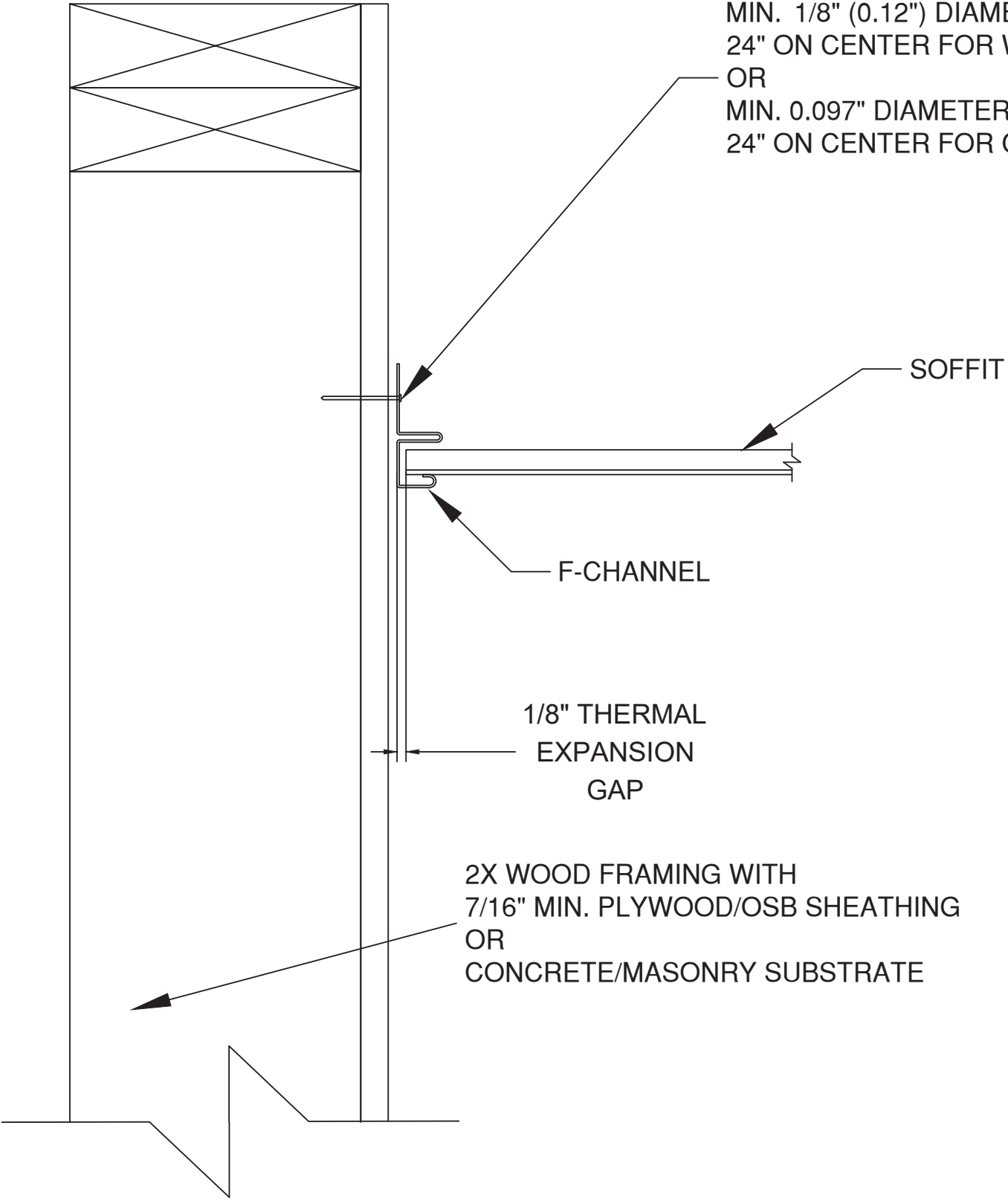
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KAYCAN LTD.
3075 TRANS-CANADA HWY
POINTE-CLAIRE, QC, H9R 1B4, CANADA

ALUMINUM SOFFIT INSTALLATION- SINGLE SPANS
J-CHANNEL WALL SIDE - STAPLE DETAIL

DRAWN: RJA	DWG NO. KAY5014	PROJECT NO. ACE-2024-100	REV A
SCALE NTS	DATE 02/01/2024	SHEET 8 of 11	

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MIN. 1/8" (0.12") DIAMETER NAIL WITH 3/8" HEAD DIAMETER WITH 1-1/2" EMBEDMENT
24" ON CENTER FOR WOOD SUBSTRATE
OR
MIN. 0.097" DIAMETER T-NAIL OR STUB NAIL WITH 1" ENGAGEMENT
24" ON CENTER FOR CONCRETE/MASONRY

F-CHANNEL WALL SIDE - NAIL DETAIL

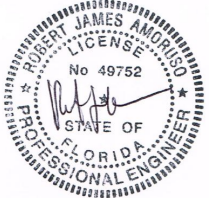
WOOD OR MASONRY/CONCRETE SUBSTRATE

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KAYCAN LTD. 3075 TRANS-CANADA HWY POINTE-CLAIRE, QC, H9R 1B4, CANADA			
ALUMINUM SOFFIT INSTALLATION- SINGLE SPANS F-CHANNEL WALL SIDE - NAIL DETAIL			
DRAWN: RJA	DWG NO. KAY5014	PROJECT NO. ACE-2024-100	REV A
SCALE NTS	DATE 02/01/2024	SHEET 9 of 11	

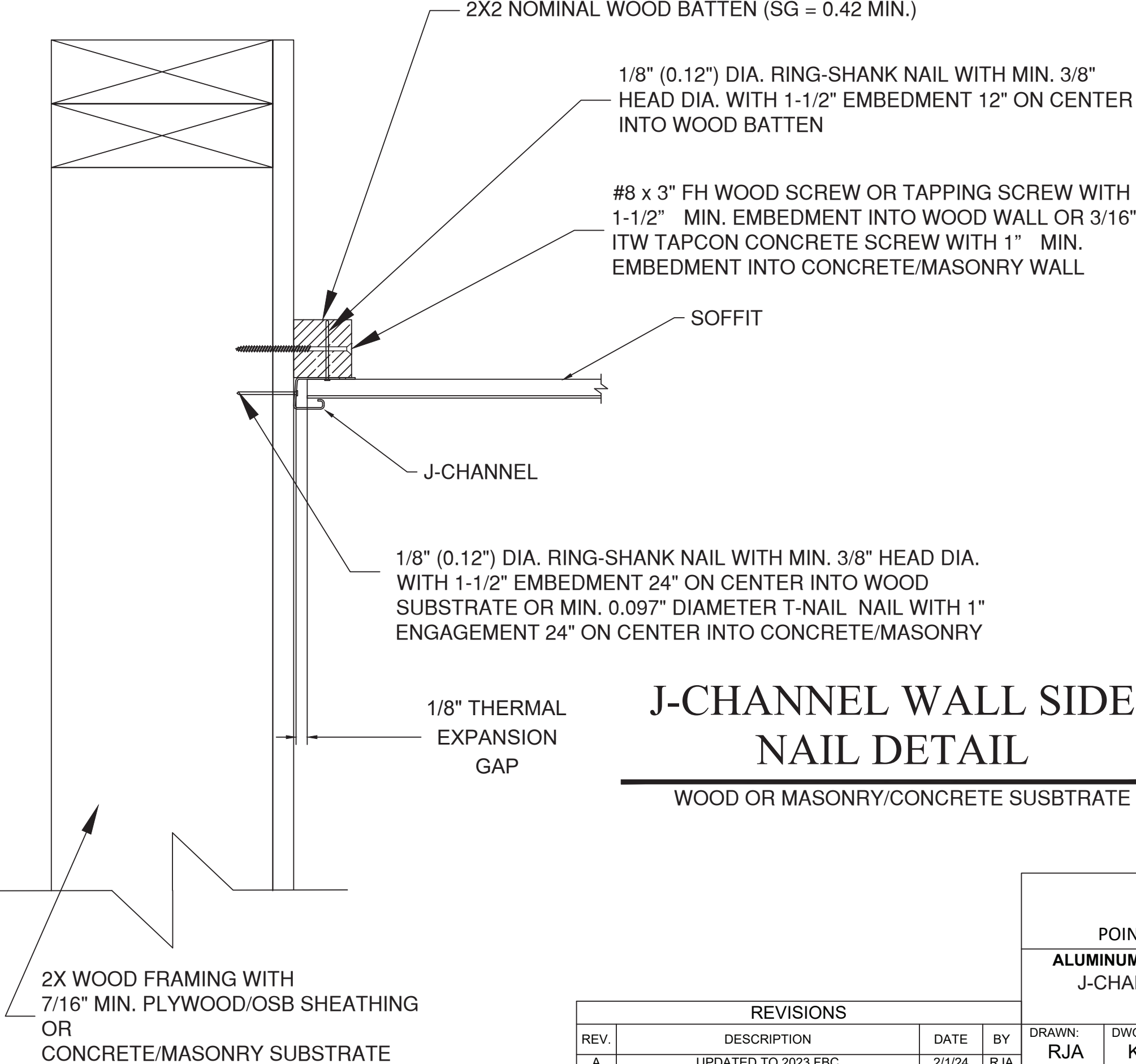
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J-CHANNEL WALL SIDE
NAIL DETAIL

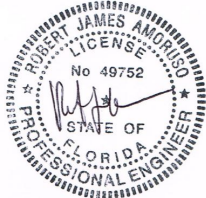
WOOD OR MASONRY/CONCRETE SUBSTRATE

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SCALE NTS	DATE 02/01/2024	SHEET 10 of 11	

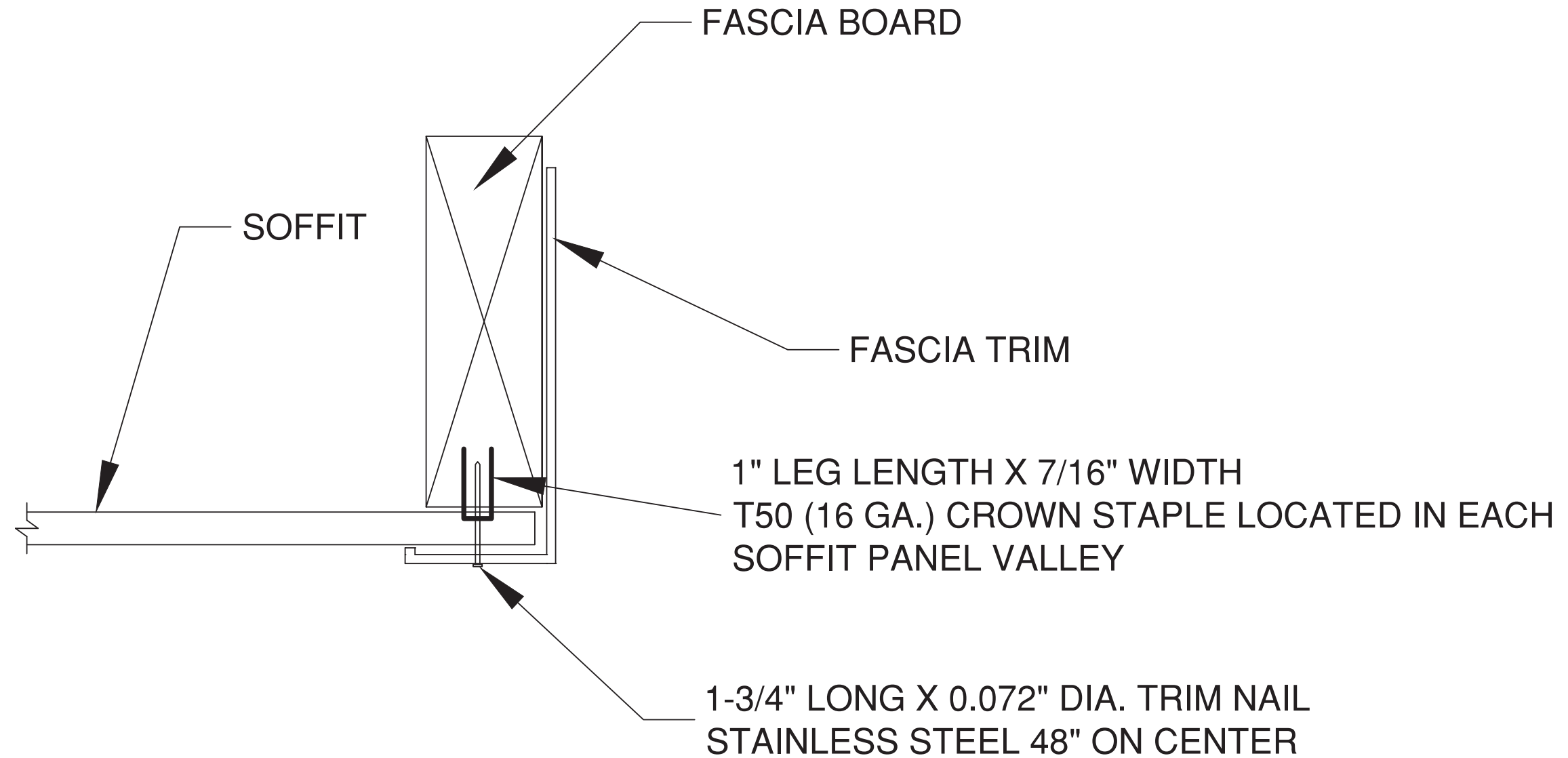
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FASCIA SIDE DETAIL

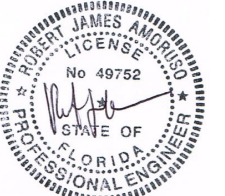
WOOD OR MASONRY/CONCRETE SUSBTRATE

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ALUMINUM SOFFIT INSTALLATION- SINGLE SPANS FASCIA SIDE DETAIL			
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