

KAYCAN LTD

ALUMINUM SOFFIT - SOLID AND VENTED

WITH UNLIMITED 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 SHEET 1. THESE PRODUCTS WERE TESTED TO ASTM E330-14. STRUCTURAL TEST RESULTS BASED ON ASTM E330-14 WERE DIVIDED BY 1.5 AS REQUIRED BY THE BUILDING CODE.
2.

DESIGN PRESSURE (DP) RATINGS SHOWN ON THIS SHEET ARE DOCUMENTED AT UNLIMITED EAVE WIDTH SPANS WITH SUPPORTS (2X2 NOMINAL BATTENS) SPACED 10" O.C.
- 2.1.

INSTALLATION CROSS SECTIONS DEPICT THREE (3) 10" SPANS FOR ILLUSTRATION. MORE OR LESS SPANS ARE ACCEPTABLE.
3.

THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON TESTING PERFORMED AT MOLIMO ARCHITECTURAL PRODUCT TESTING, 11410 EDEN ROAD, YORK, PA 1740.
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. SUCH DEFECTS SHALL BE ELIMINATED PRIOR TO SOFFIT INSTALLATION.
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 THE FLORIDA BUILDING CODE.
9.

SOFFIT NET FREE AREA IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE ARE SHOWN IN THE APPROVED SOFFIT SCHEDULE ON SHEET 1.
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.

DESIGN PRESSURE (PSF) RATING AT 10" SPAN (NOTE 2)						
ALUMINUM SOFFIT SERIES	INSTALLATION STAPLE (BOM ITEM NO. 5)	EAVE WIDTH (IN)	DESIGN PRESSURE (PSF) (SEE NOTE 1)	NET FREE AREA (SQ. IN./LINEAL FT.)	NET FREE AREA (SQ. IN./SQ. FT.)	
12" 3 PANEL 9518 SOLID SOFFIT	16 GA. X 7/16" WIDTH CROWN STAPLE 1" MIN. LENGTH	FASCIA / J-CHANNEL	+66.7/-110	N/A	N/A	
		J-CHANNEL / J-CHANNEL	+66.7/-70	N/A	N/A	
12" 3 PANEL 9517 VENTED SOFFIT		FASCIA / J-CHANNEL	+66.7/-80	6.57	6.57	
		J-CHANNEL / J-CHANNEL	+66.7/-66.7	6.57	6.57	
		16" SP-600 NO. 605 VENTED SOFFIT	FASCIA / J-CHANNEL	+66.7/-73.3	21.8	17.3
			J-CHANNEL / J-CHANNEL	+66.7/-63.3	21.8	17.3
16" SP-600 NO. 605 VENTED SOFFIT	18 GA. X 1/4" WIDTH CROWN STAPLE 1" MIN. LENGTH	FASCIA / J-CHANNEL	+66.7/-36.7	21.8	17.3	
		J-CHANNEL / J-CHANNEL	+66.7/-33.3	21.8	17.3	
NOTE 1: DESIGN PRESSURE RATINGS SHOWN ABOVE SHALL BE COMPARED TO LOADING BASED ON V _{asd} BASIC WIND SPEEDS. THUS PROJECT DESIGN PRESSURES AS DETERMINED FROM ASCE 7 BASED ON V _{ult} 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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5	INSTALLATION DETAILS, SECTION A/5 AND BOM
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9	CHANNEL AND FASCIA PROFILES

PROJECT #419-1115

KAYCAN LTD

1 MEMORIAL DRIVE

RICHFORD, VT 05476

TITLE:

ALUMINUM SOFFIT INSTALLATION - UNLIMITED SPANS

GENERAL NOTES, PERFORMANCE RATINGS, SOFFIT/TRIM SCHEDULE

PREPARED BY:

DRAWN BY:

DATE:

SCALE:

REV:

03/20/17

RJA

N.T.S.

D

1 OF 9

PTC PRODUCT DESIGN GROUP, LLC

Longwood, FL 32752-0775

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Florida P.E. No. 49752

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Date: 2020.12.30 11:10:12 -05'00'

Robert J. Amoruso

Professional Engineer

Florida

No. 49752

ALUMINUM SOFFIT INSTALLATION INSTRUCTIONS

INSTALLATION NOTES:

1. EAVE WIDTHS (SPANS)
- 1.1.

THE INSTALLATION CROSS SECTIONS SHOWN ON SHEETS 5 AND 6 DEPICT THREE (3) 10" SPANS FOR ILLUSTRATION. MORE OR LESS SPANS ARE ACCEPTABLE.
- 1.2.

DESIGN PRESSURE (DP) RATINGS SHOWN ON SHEET 1 ARE DOCUMENTED AT UNLIMITED EAVE WIDTH SPANS WITH SUPPORTS (2X2 NOMINAL BATTENS) SPACED 10" O.C.
2. INSTALLATION FASTENERS
- 2.1.

FASTENERS SHALL BE THE TYPE, SIZE, EMBEDMENT AND EDGE DISTANCE SHOWN HEREIN FOR RESPECTIVE SUBSTRATE. SEE FASTENER SCHEDULE TABLE ON THIS SHEET.
- 2.2.

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.
- 2.3.

FASTENER LENGTHS SHOWN IN THE INSTALLATION DETAILS DO NOT TAKE INTO ACCOUNT WALL FINISHES. WALL FINISH THICKNESS SHALL BE ADDED TO THE REQUIRED FASTENER LENGTHS. SEE FASTENER SCHEDULE TABLE ON THIS SHEET.
3. ALL FASTENERS SHALL HAVE CORROSION RESISTANT COATINGS OR BE MADE OF CORROSION RESISTANT MATERIALS COMPATIBLE WITH THE SUBSTRATE MATERIALS.

FASTENER SCHEDULE				
FASTENER DESCRIPTION	INSTALLATION USE	SUBSTRATE	MIN. EMBEDMENT (SEE NOTE 1)	EDGE DISTANCE
16 GA. X 7/16" WIDTH CROWN STAPLE 1" MIN. LENGTH	SOFFIT, FASCIA AND CHANNELS	WOOD	7/8"	1/4"
18 GA. X 1/4" WIDTH CROWN STAPLE 1" MIN. LENGTH	SOFFIT, FASCIA AND CHANNELS (SP-600 SOFFIT ONLY)	WOOD	7/8"	1/4"
0.097" DIAMETER x 1-1/2" T-NAIL	CHANNELS	CONCRETE OR MASONRY	1"	1/4"
#8 x 3" FH WOOD SCREW OR #8 x 3" FH TAPPING SCREW	WOOD BATTEN	WOOD	1-1/2"	5/8"
0.072" DIA. X 1-3/4" OR 0.072" DIA. X 2-3/4" LONG TRIM NAIL	ALUM. FASCIA TO WOOD FASCIA	WOOD	1-3/4"	1/4"
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.				

PROJECT #419-1115

12/28/20

RJA

9/14/20

RJA

DATE

BY

UPDATE INSTALLATION

UPDATE NOTES

DESCRIPTION

D

C

REV

KAYCAN LTD

1 MEMORIAL DRIVE

RICHFORD, VT 05476

TITLE:

ALUMINUM SOFFIT INSTALLATION - UNLIMITED SPANS

INSTALLATION NOTES AND FASTENER SCHEDULE

DATE: 03/20/17

DRAWING NO: KAY0010

SHEET: 2 OF 9

PREPARED BY:

RJA

SCALE: N.T.S.

REV: D

PTC

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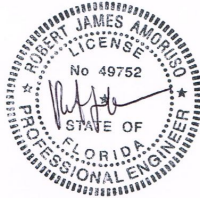
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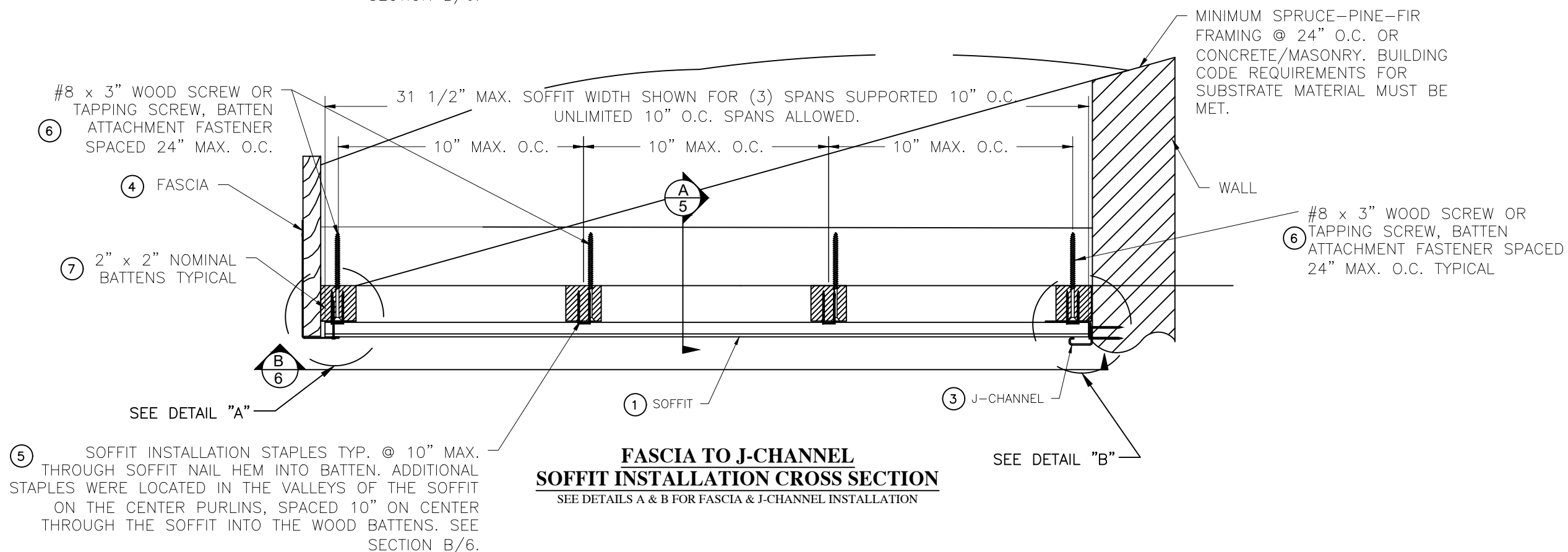
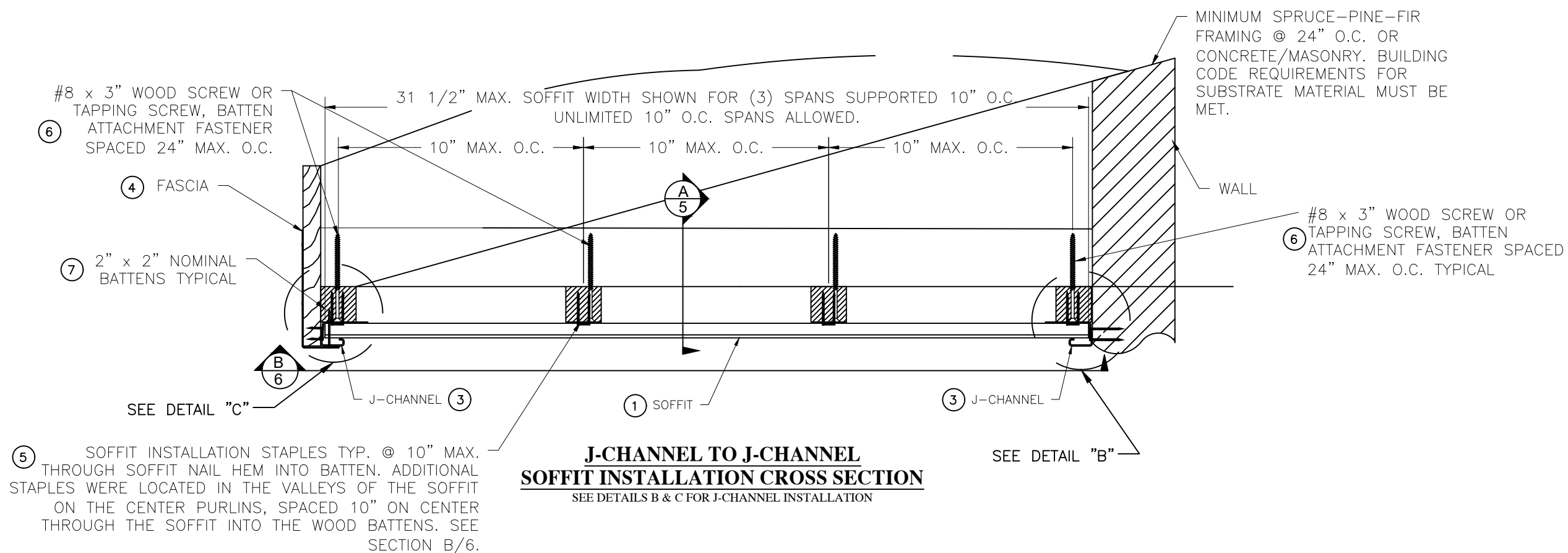
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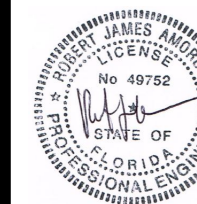


PROJECT #419-1115				
D	UPDATE INSTALLATION	12/28/20	RJA	
C	UPDATE NOTES	9/14/20	RJA	
REV	DESCRIPTION	DATE	BY	

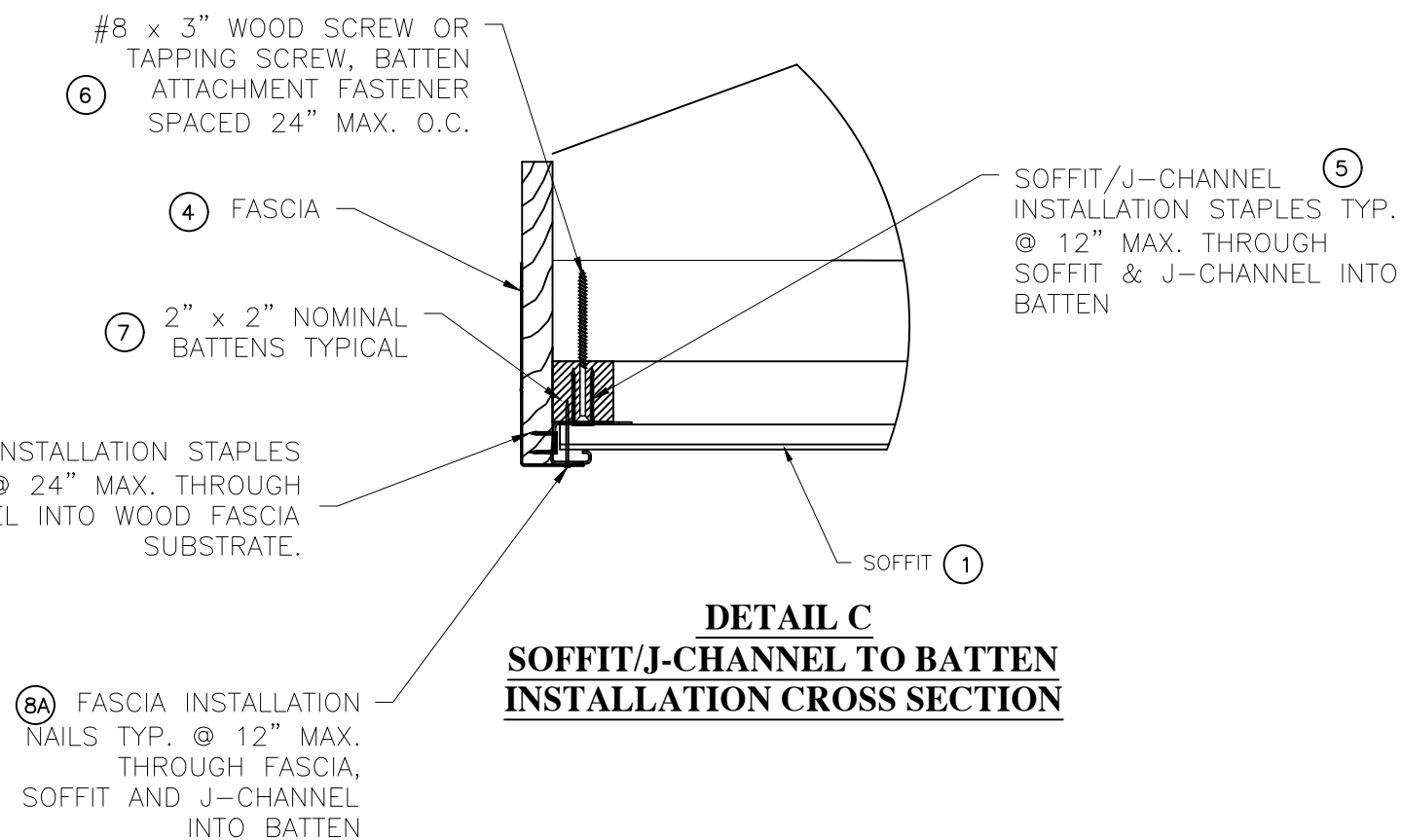
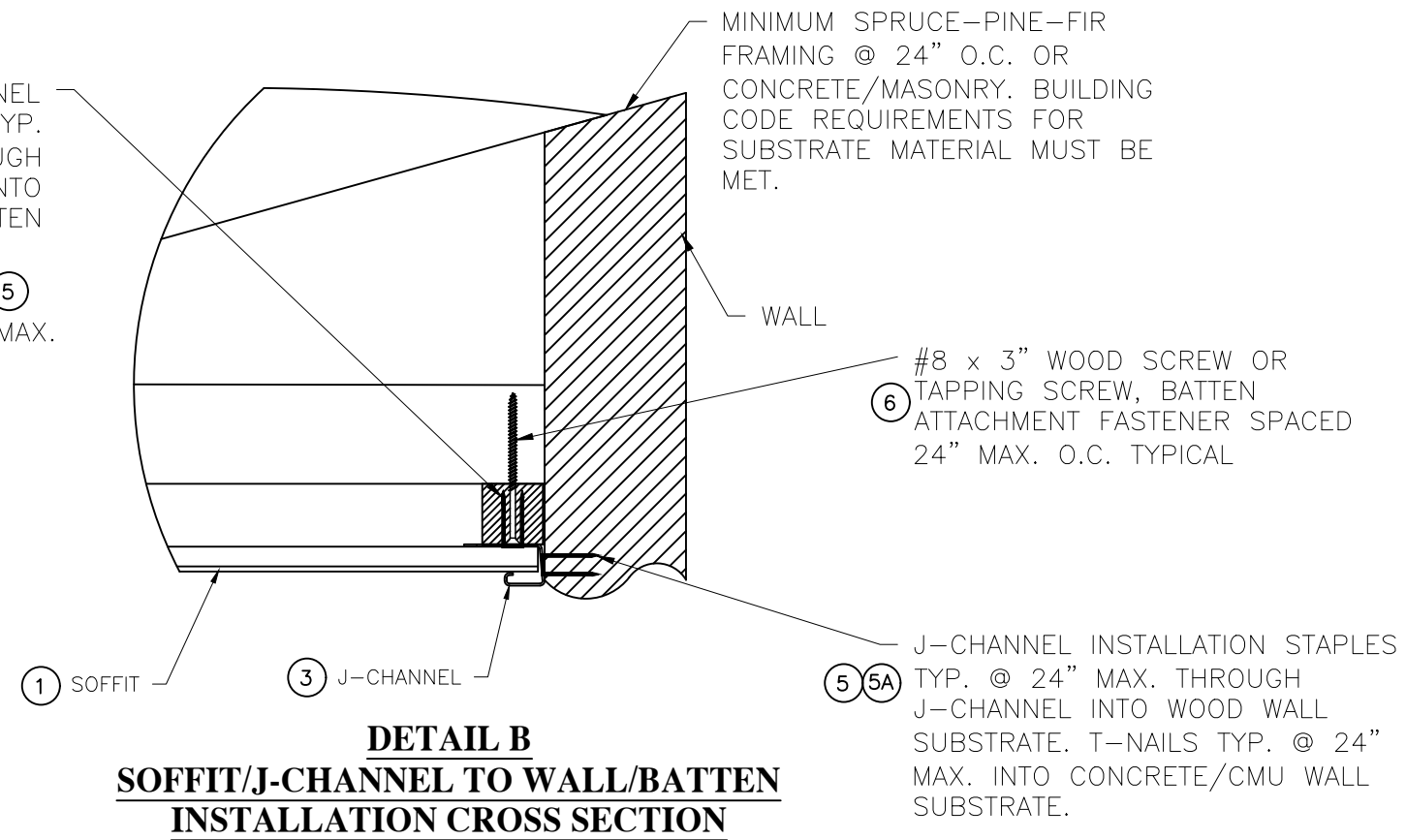
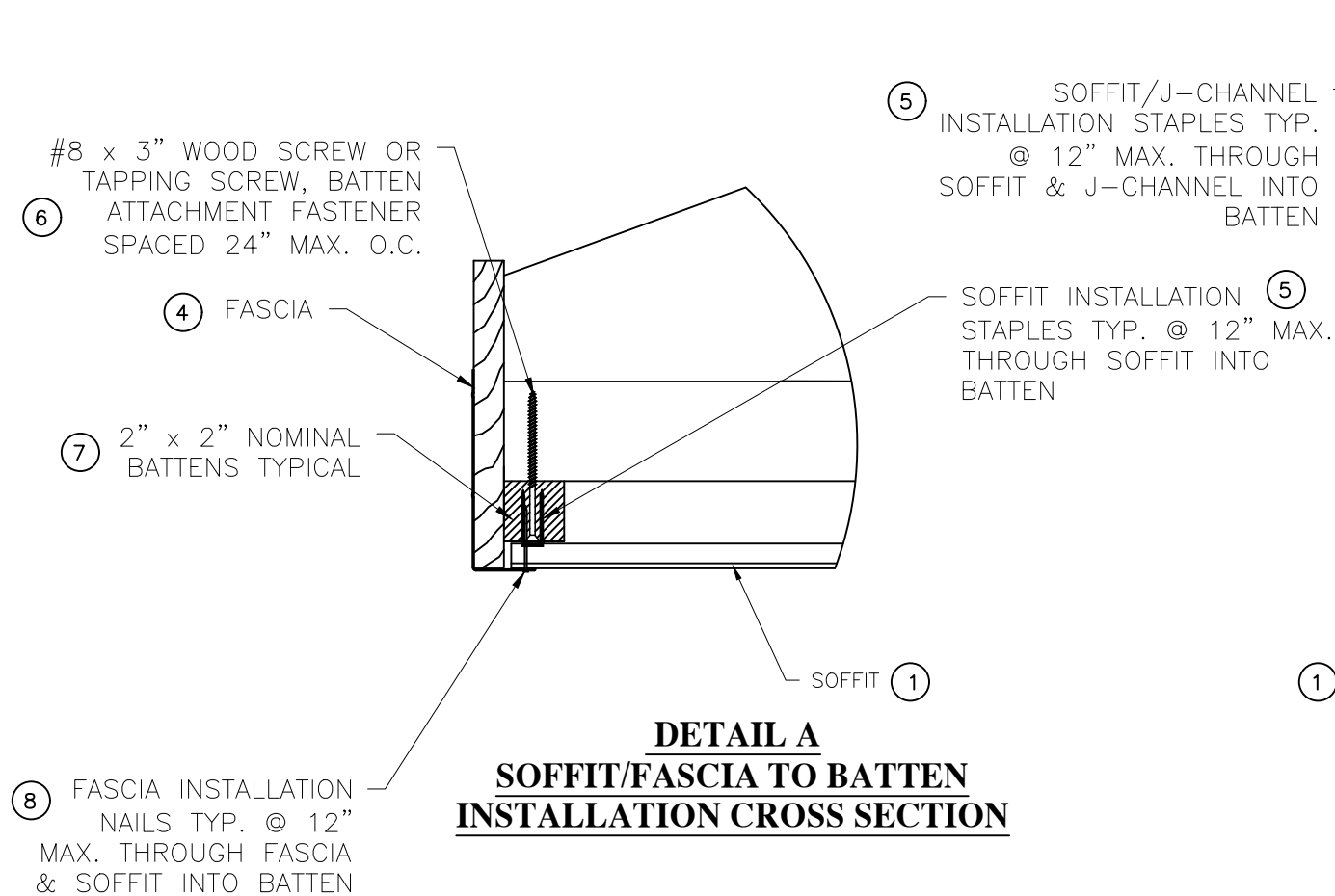
KAYCAN LTD 1 MEMORIAL DRIVE RICHFORD, VT 05476		ALUMINUM SOFFIT INSTALLATION - UNLIMITED SPANS INSTALLATION DETAILS, ELEVATIONS	
TITLE:		PREPARED BY:	
DRAWN BY: RJA		DATE: 03/20/17	
SCALE: N.T.S.		DRAWING NO: KAY00010	
REV: D		SHEET: 3 OF 9	

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PROJECT #419-1115

DATE	DESCRIPTION	BY
12/28/20	RJA	
9/14/20	RJA	
DATE	DESCRIPTION	BY

DETAILS A, B AND C		D
DRAWN BY: RJA	DATE: 03/20/17	C
SCALE: N.T.S.	DRAWING NO: KAY0010	REV
REV: D	SHEET: 4 OF 9	

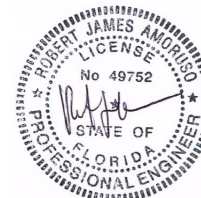
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1 MEMORIAL DRIVE
RICHFORD, VT 05476

ALUMINUM SOFFIT INSTALLATION - UNLIMITED SPANS
INSTALLATION DETAILS A, B AND C

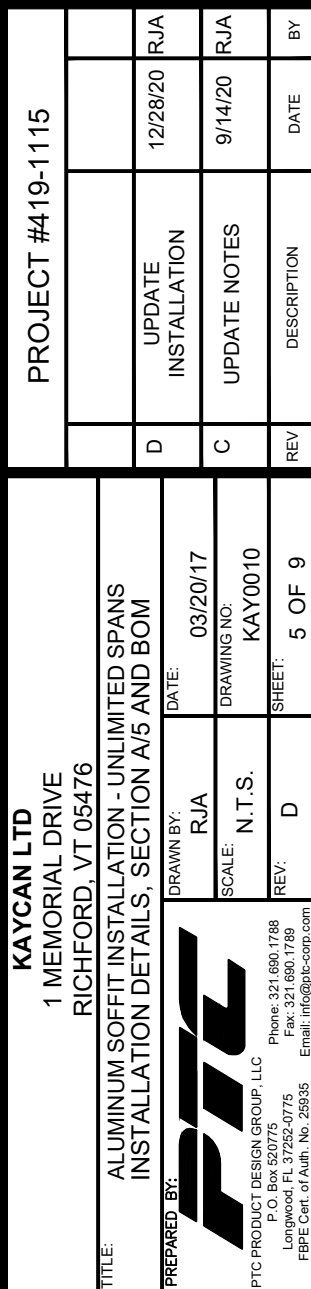
PREPARED BY: RJA
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SHEET: 4 OF 9

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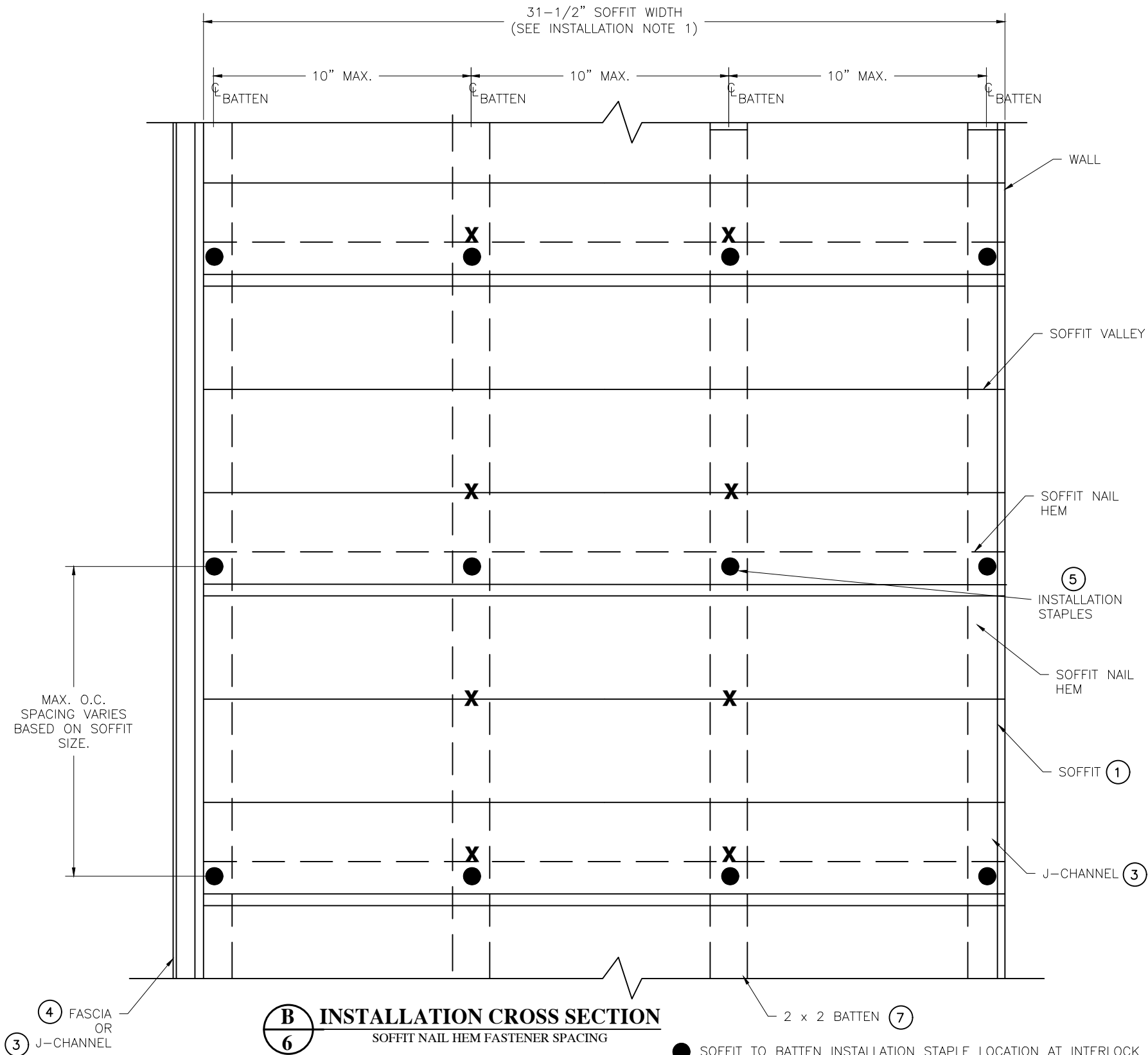


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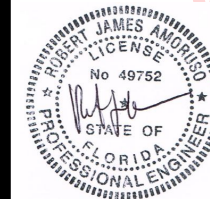


- SOFFIT TO BATTEN INSTALLATION STAPLE LOCATION AT INTERLOCK – APPLICABLE TO FASCIA/CHANNEL AND CHANNEL/CHANNEL INSTALLATIONS
- X SOFFIT TO BATTEN INSTALLATION STAPLE LOCATED IN SOFFIT VALLEY – APPLICABLE TO FASCIA/CHANNEL AND CHANNEL/CHANNEL INSTALLATIONS

PROJECT #419-1115					
		UPDATE INSTALLATION	12/28/20	RJA	BY
		UPDATE NOTES	9/14/20	RJA	DATE
		DESCRIPTION	REV		

KAYCAN LTD 1 MEMORIAL DRIVE RICHFORD, VT 05476		ALUMINUM SOFFIT INSTALLATION - UNLIMITED SPANS INSTALLATION DETAILS, SECTION B/6		DATE: 03/20/17 DRAWING NO: KAY0010 SHEET: 6 OF 9	
DRAWN BY: RJA		SCALE: N.T.S.		REV: D	
PTC PRODUCT DESIGN GROUP, LLC P.O. Box 520775 Longwood, FL 32752-0775 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com		PTC			

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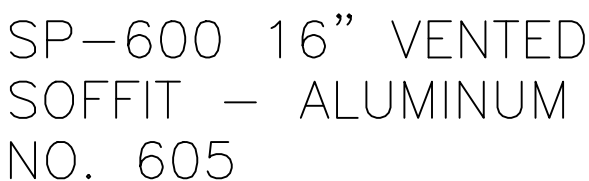


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Robert J. Amoruso, P.E.
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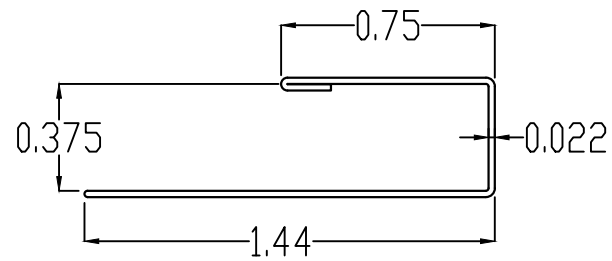


A circular professional engineer seal for Robert James Amoroso. The outer ring contains the text "ROBERT JAMES AMOROSO" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No 49752" is in the center, and "STATE OF FLORIDA" is at the bottom. A handwritten signature, "R. Amoroso", is written across the center of the seal.

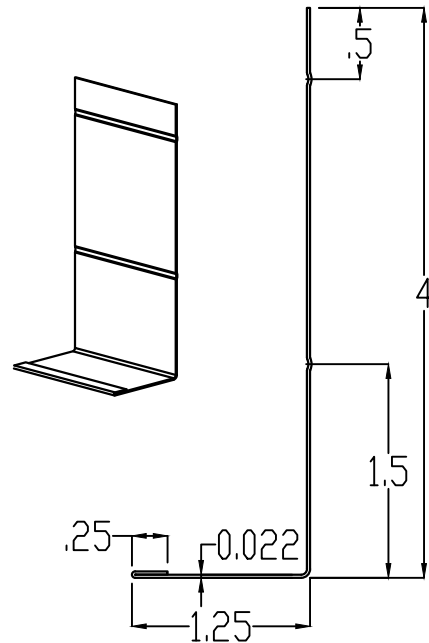
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KAYCAN LTD 1 MEMORIAL DRIVE RICHFORD, VT 05476		PROJECT #419-1115	
TITLE: ALUMINUM SOFFIT INSTALLATION - UNLIMITED SPANS ALUMINUM SOFFIT PROFILES			
PREPARED BY:		D	UPDATE INSTALLATION
DRAWN BY: RJA			
DATE: 03/20/17			12/28/20
SCALE: N.T.S.		C	UPDATE NOTES
REV: D			
SHEET: 8 OF 9		REV	DATE
PTC PRODUCT DESIGN GROUP, LLC P.O. Box 520775 Longwood, FL 32752-0775 FBPE Cert. of Auth. No. 25935 Email: info@otc-corp.com Phone: 321.690.1788 Fax: 321.690.1789			BY

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

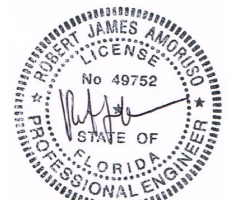


4" FASCIA SMOOTH
ALUMINUM (No. 9700)



ALUMINUM SOFFIT AND TRIM SCHEDULE		
ALUMINUM SOFFIT SERIES	J-CHANNEL	FASCIA
12" 3 PANEL 9518 SOLID SOFFIT	3/8" J-CHANNEL ALUMINUM NO. 1029	4" FASCIA ALUMINUM NO. 9700
12" 3 PANEL 9517 VENTED SOFFIT		
16" SP-600 NO. 605 VENTED SOFFIT		

Robert J. Amoruso, P.E.
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KAYCAN LTD
1 MEMORIAL DRIVE
RICHFORD, VT 05476

TITLE: ALUMINUM SOFFIT INSTALLATION - UNLIMITED SPANS
CHANNEL AND FASCIA PROFILES

PREPARED BY: RJA
SCALE: N.T.S.
REV: D

DATE: 03/20/17
DRAWING NO: KAY0010
SHEET: 9 OF 9



PROJECT #419-1115

REV	DESCRIPTION	DATE	BY
D	UPDATE INSTALLATION	12/28/20	RJA
C	UPDATE NOTES	9/14/20	RJA