

KAYCAN LTD

VINYL SOFFIT - 12" TRIPLE 4 FULL-O-VENT ECO (NO. 0639)

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 VINYL SOFFIT AND TRIM IS MANUFACTURED FROM A FORMULATED PVC POWDER COMPOUND MEETING THE SPECIFICATIONS OF ASTM D3679.

10.2. KAYCAN BUILDING PRODUCTS ALUMINUM 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				
VINYL SOFFIT SERIES	INSTALLATION METHOD (SEE NOTE 2)	DESIGN PRESSURE (PSF) (SEE NOTE 1)	NET FREE AREA (SQ. IN./LINEAL FT.)	NET FREE AREA (SQ. IN./SQ. FT.)
12" TRIPLE 4 FULL-O-VENT ECO NO. 0639 VENTED SOFFIT	FASCIA / J-CHANNEL	+66.7/-36.7	4.75	4.75
	J-CHANNEL / J-CHANNEL	+66.7/-36.7	4.75	4.75
NOTE 1: 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.				
NOTE 2: SEE SHEET 3 & 4 FOR INSTALLATION DETAILS.				

VINYL SOFFIT AND TRIM SCHEDULE		
VINYL SOFFIT SERIES	J-CHANNEL	FASCIA
12" TRIPLE 4 FULL-O-VENT ECO NO. 0639 VENTED SOFFIT	1/2" J-CHANNEL VINYL NO. 1100	4" FASCIA ALUMINUM NO. 9700

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REVISIONS			
REV.	DESCRIPTION	DATE	BY
D	UPDATED 12" TRIPLE 4 FULL-O-VENT ECO	11/7/24	RJA

KAYCAN LTD. 3075 TRANS-CANADA HWY POINTE-CLAIRE, QC, H9R 1B4, CANADA			
NO. 0639 VINYL SOFFIT INSTALLATION - UNLIMITED SPANS GENERAL NOTES, PERFORMANCE RATINGS, SOFFIT SCHEDULE			
DRAWN: RJA	DWG NO. KAY0012	PROJECT NO. ACE-2024-130	REV D
SCALE NTS	DATE 03/20/17	SHEET 1 of 7	

AMORUSO CONSULTING
ENGINEERING, LLC
REGISTRATION NO. 38327

ROBERT J. AMORUSO, P.E.
FLORIDA PE NO. 49752



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VINYL SOFFIT INSTALLATION INSTRUCTIONS AND FASTENER SCHEDULE

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"
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.				

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NO. 0639 VINYL SOFFIT INSTALLATION - UNLIMITED SPANS INSTALLATION NOTES, FASTENER SCHEDULE AND BOM			
DRAWN: RJA	DWG NO. KAY0012	PROJECT NO. ACE-2024-130	REV D
SCALE NTS	DATE 03/20/17	SHEET 2 of 7	

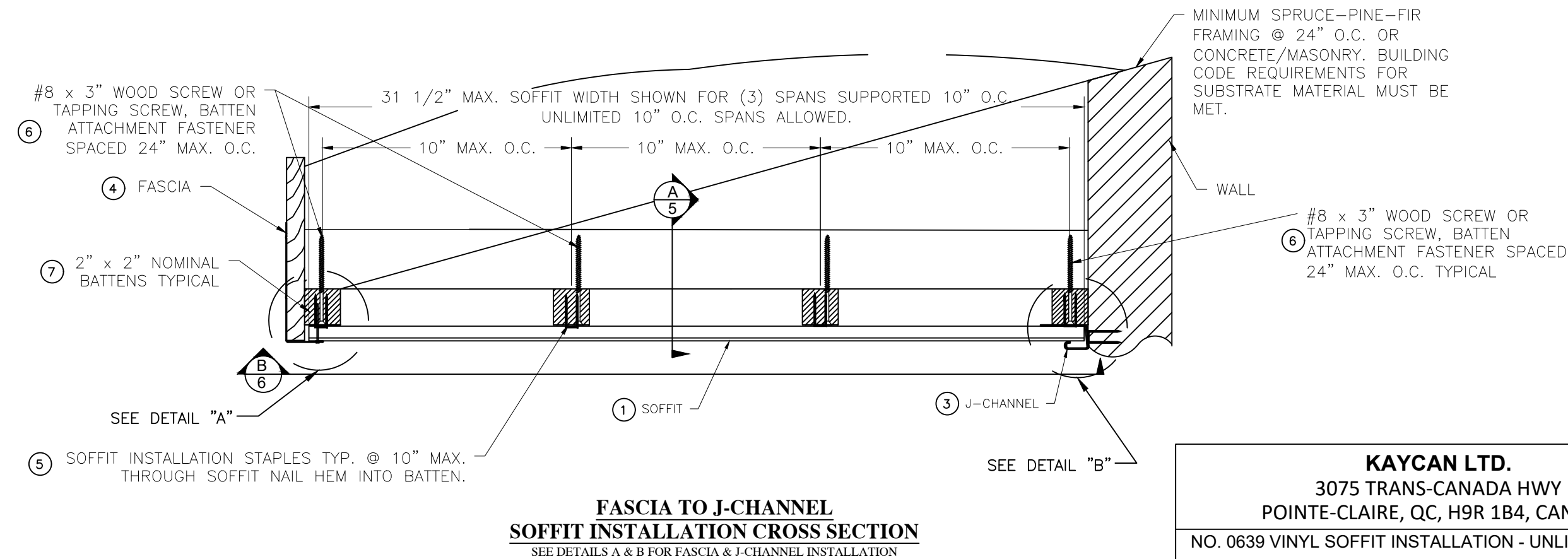
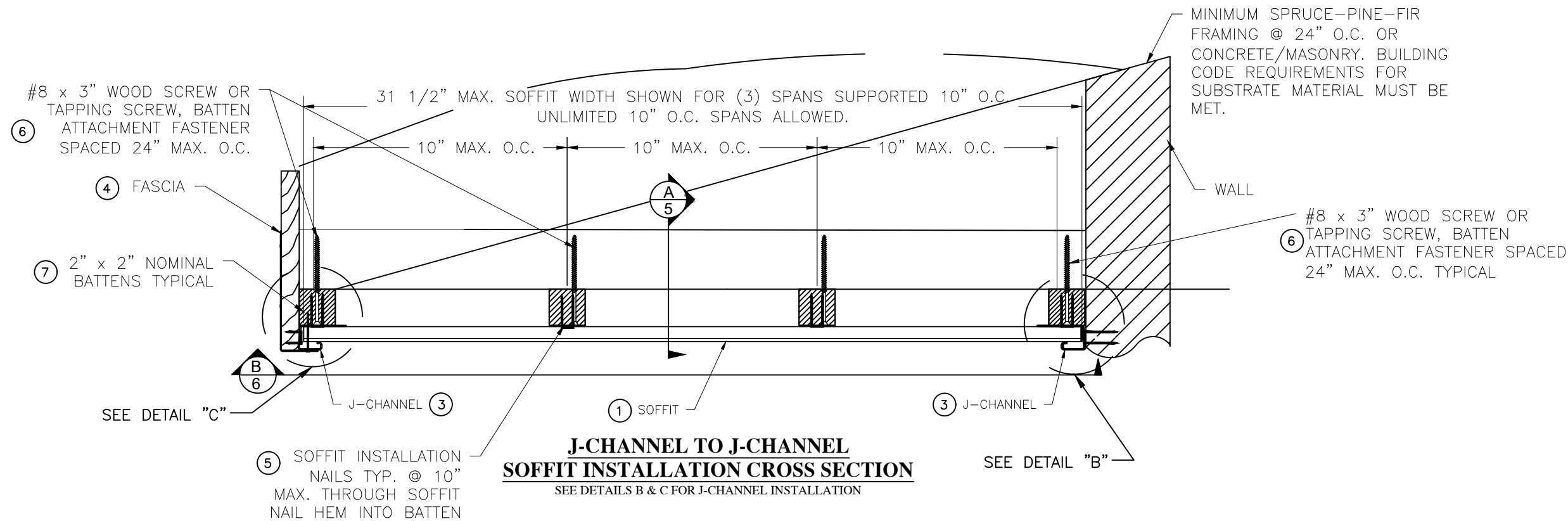
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INSTALLATION DETAILS, ELEVATIONS			
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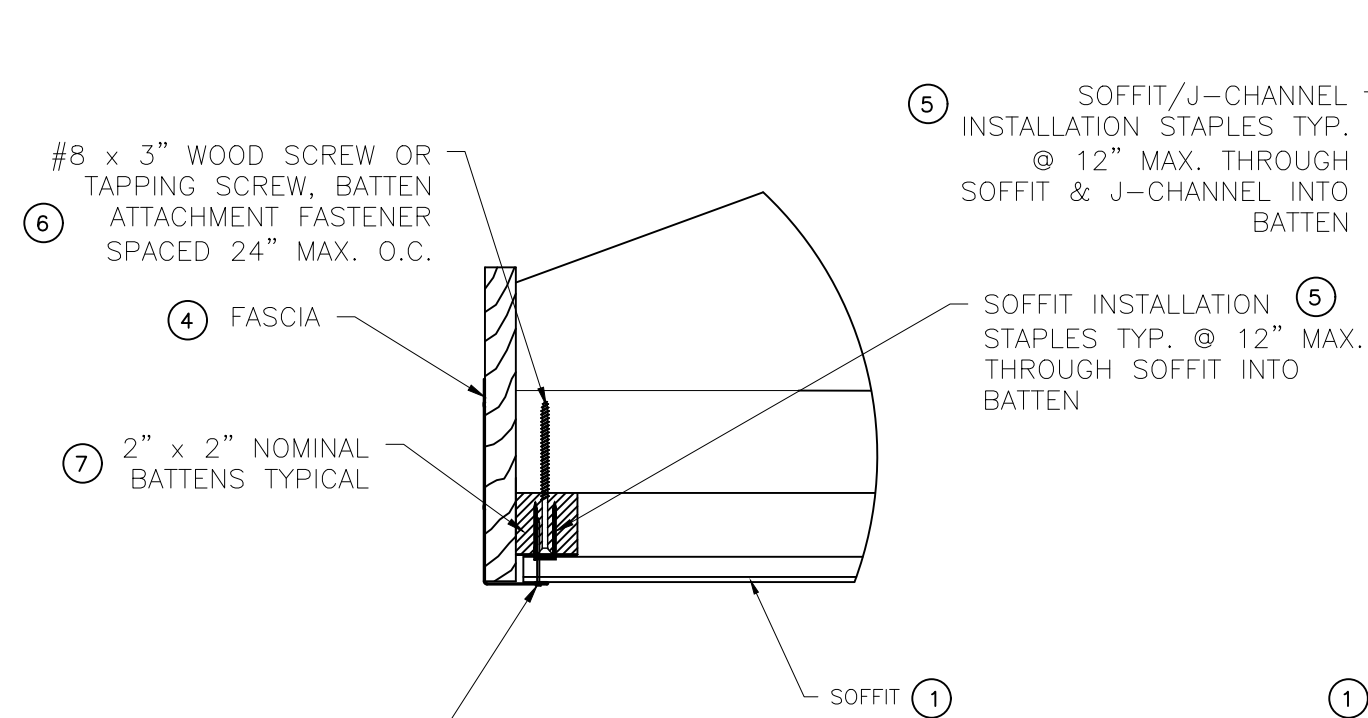
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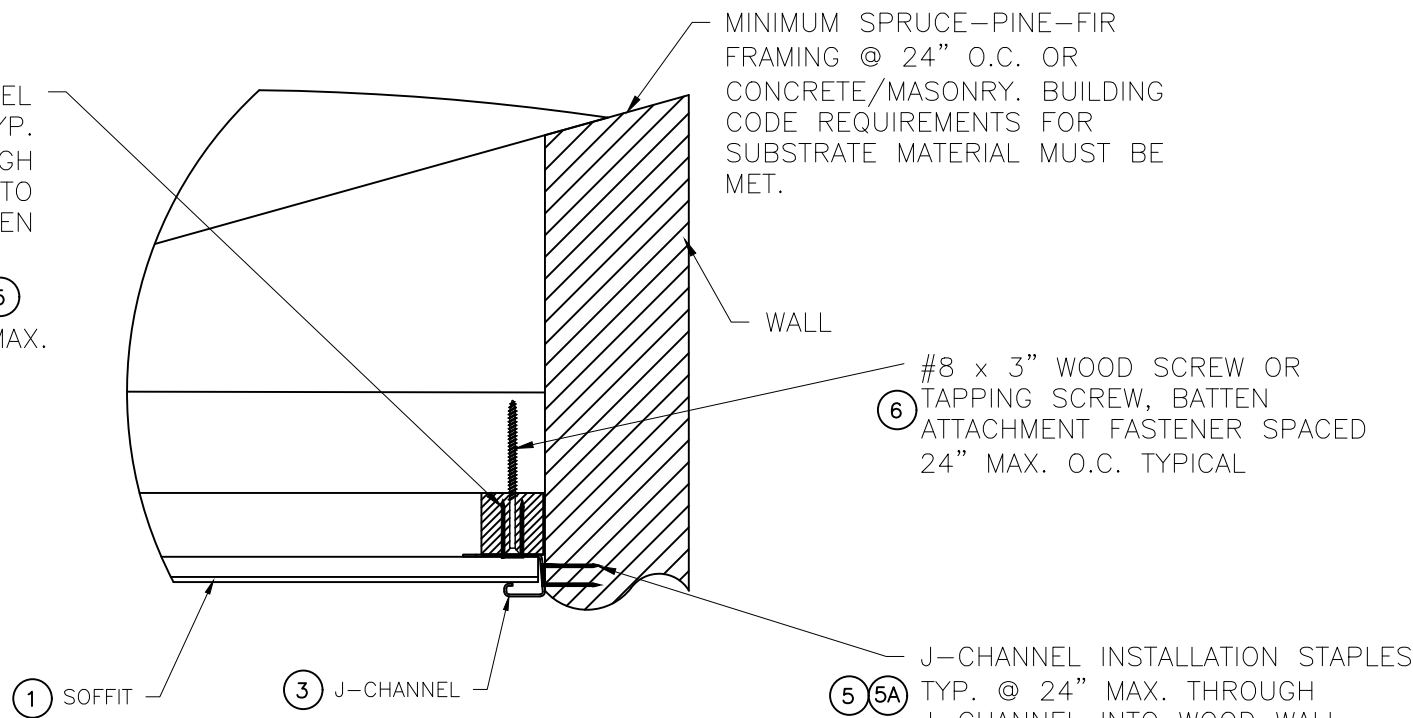
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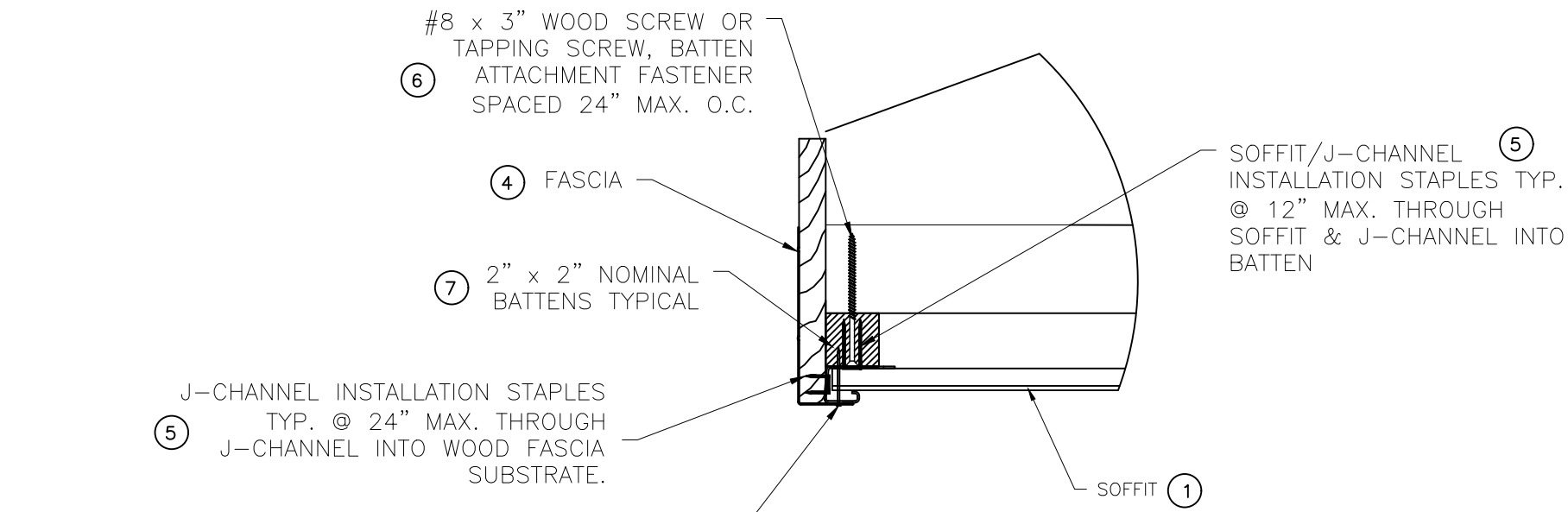


DETAIL A
SOFFIT/FASCIA TO BATTEN
INSTALLATION CROSS SECTION

⑧ FASCIA INSTALLATION NAILS TYP. @ 12" MAX. THROUGH FASCIA & SOFFIT INTO BATTEN



DETAIL B
SOFFIT/J-CHANNEL TO WALL/BATTEN
INSTALLATION CROSS SECTION



DETAIL C
SOFFIT/J-CHANNEL TO BATTEN
INSTALLATION CROSS SECTION

⑧A FASCIA INSTALLATION NAILS TYP. @ 12" MAX. THROUGH FASCIA, SOFFIT AND J-CHANNEL INTO BATTEN

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INSTALLATION DETAILS A, B AND C			
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SCALE NTS	DATE 03/20/17	SHEET 4 of 7	

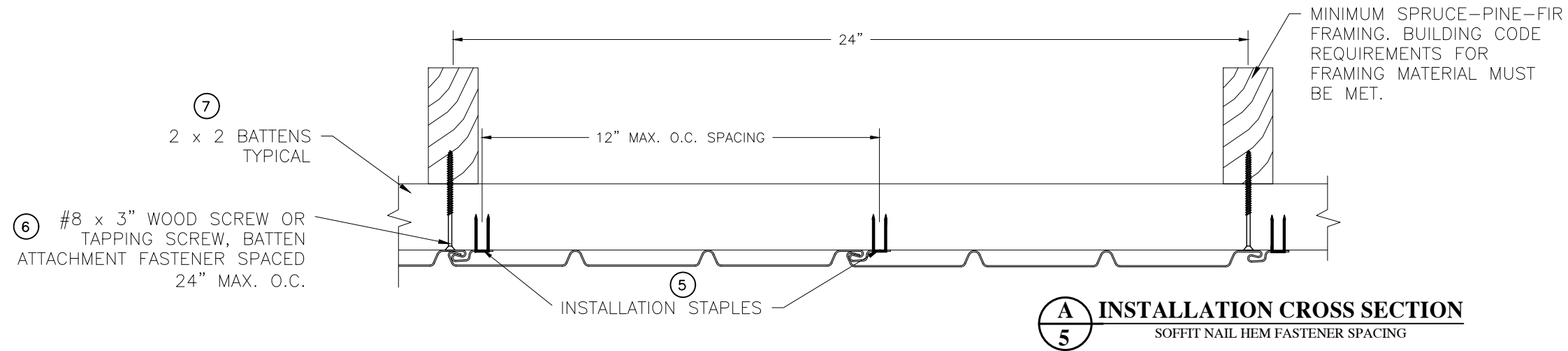
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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	SOFFIT – SEE SCHEDULE ON SHEET 1 AND DRAWINGS ON SHEET 7	VINYL (SEE NOTE 10 ON SHEET 1)
2	NOT USED	
3	J-CHANNEL – SEE DRAWING ON SHEET 7	
4	FASCIA – SEE DRAWING ON SHEET 7	ALUMINUM (SEE NOTE 10 ON SHEET 1)
5	16 GA. X 7/16” WIDTH CROWN STAPLES 1” MIN. LENGTH	STEEL
5A	0.097” DIAMETER x 1-1/2” T-NAIL FOR CONCRETE AND MASONRY SUBSTRATES.	STEEL
6	#8 x 3” FH WOOD SCREW OR #8 x 3” FH TAPPING SCREW. USED TO ATTACH BATTEN TO WOOD STRUCTURE.	STEEL
7	2” x 2” NOMINAL WOOD BATTEN – SG = 0.42 MIN.	WOOD
8	0.072” DIAMETER X 1-3/4” TRIM NAIL	STEEL
8A	0.072” DIAMETER X 2-3/4” TRIM NAIL	STEEL

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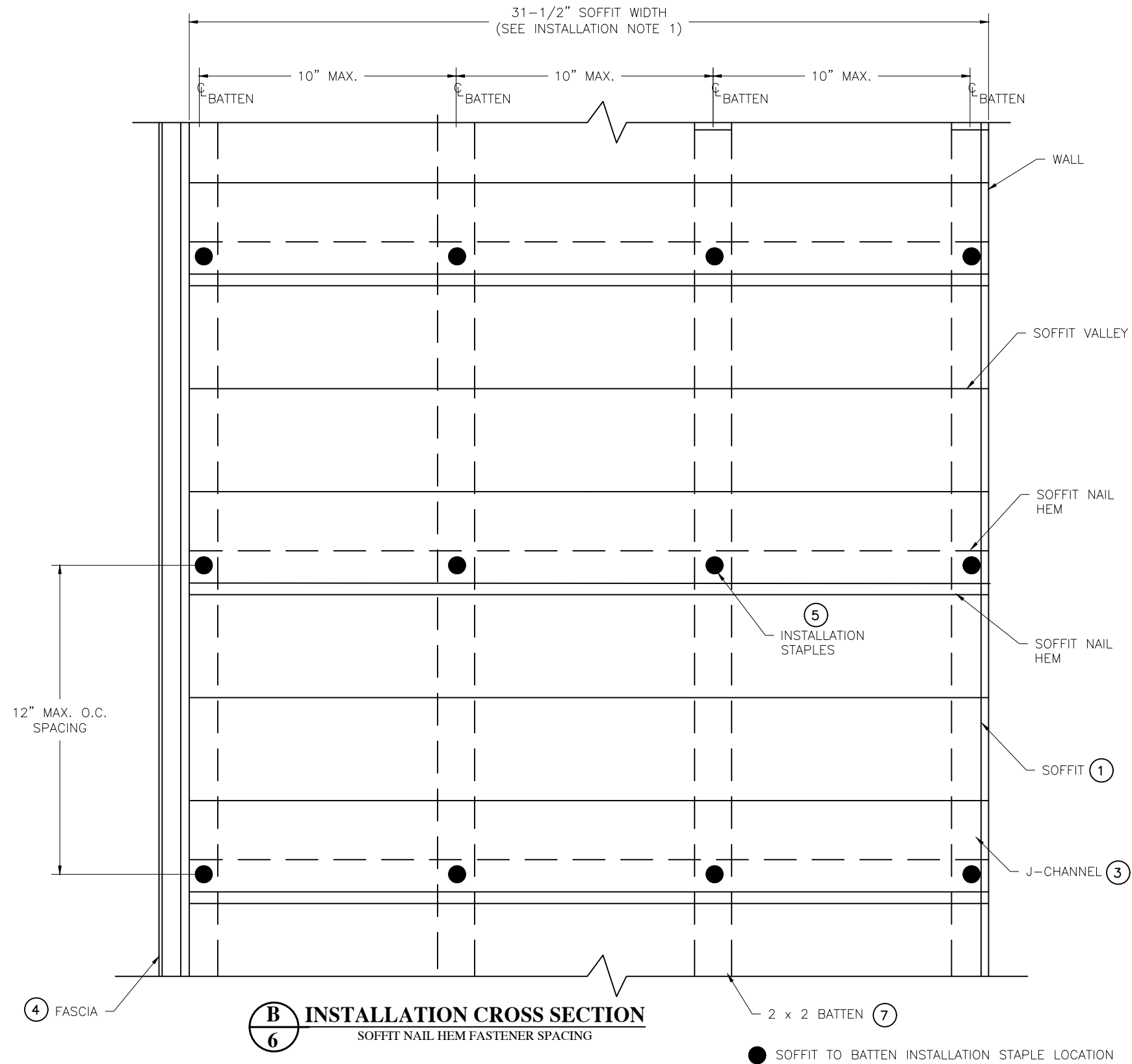
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NO. 0639 VINYL SOFFIT INSTALLATION - UNLIMITED SPANS			
INSTALLATION DETAILS, SECTION B/6			
DRAWN: RJA	DWG NO. KAY0012	PROJECT NO. ACE-2024-130	REV D
SCALE NTS	DATE 03/20/17	SHEET 6 of 7	

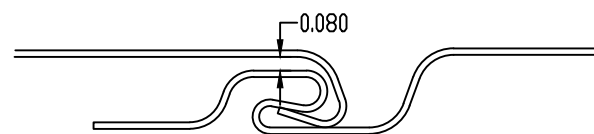
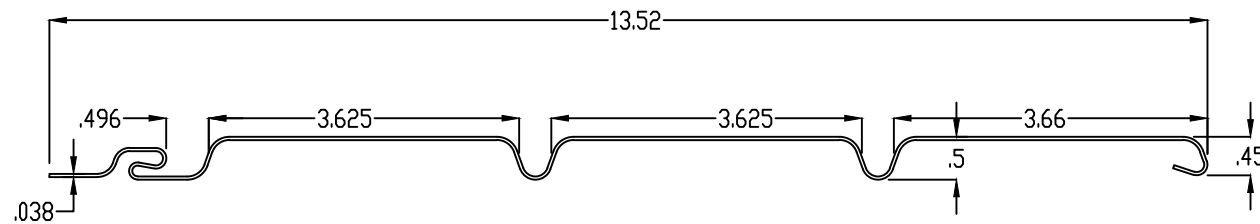
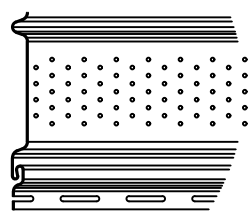
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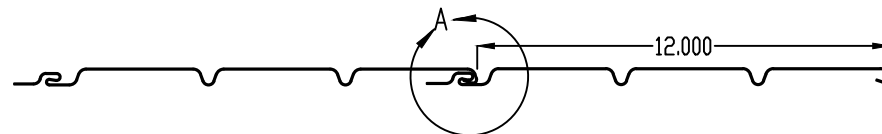


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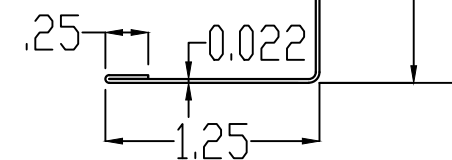
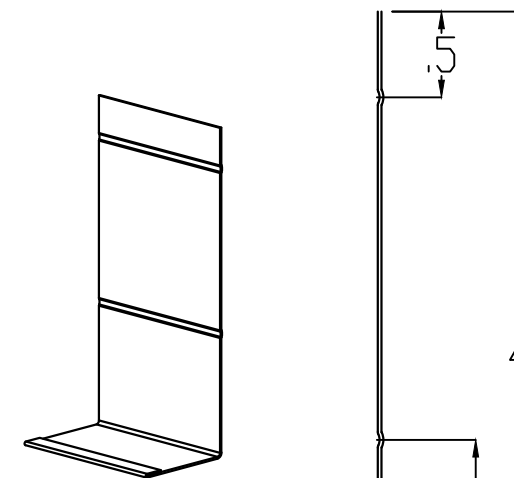
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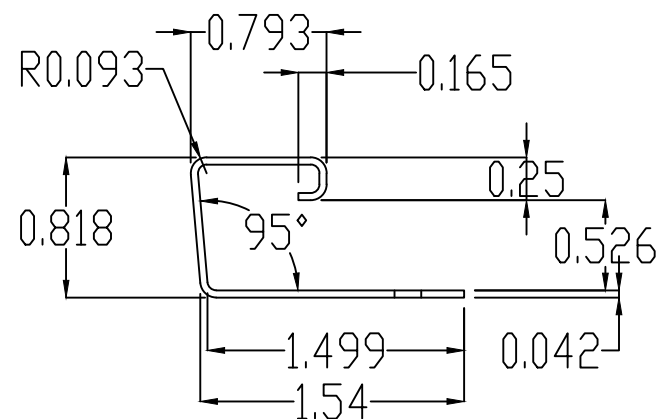
DETAIL A



12" TRIPLE 4 FULL-O-VENT SOFFIT ECO
VINYL (NO. 0639)



4" FASCIA SMOOTH
ALUMINUM (No. 9700)



1/2" J-CHANNEL/TRIM
VINYL (No. 1100)

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DRAWN: RJA	DWG NO. KAY0012	PROJECT NO. ACE-2024-130	REV D
SCALE NTS	DATE 03/20/17	SHEET 7 of 7	

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