

KAYCAN LTD

VINYL 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 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 BASED ON 10" EAVE WIDTHS IN SINGLE SPANS. SPAN WIDTHS AT 10", 12", 14" AND 16" ARE SHOWN ON SHEET 2.
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 AT 10" SPAN (NOTE 2)				
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 SOLID NO. 0623 SOLID SOFFIT	FASCIA / J-CHANNEL	+66.7/-63.3	N/A	N/A
	J-CHANNEL / J-CHANNEL	+66.7/-60	N/A	N/A
12" TRIPLE 4 FULL-O-VENT NO. 0622 VENTED SOFFIT	FASCIA / J-CHANNEL	+66.7/-56.7	4.18	4.18
	J-CHANNEL / J-CHANNEL	+66.7/-66.7	4.18	4.18
12" TRIPLE 4 FULL-O-VENT ECO NO. 0639 VENTED SOFFIT	FASCIA / J-CHANNEL	+66.7/-50	4.75	4.75
	J-CHANNEL / J-CHANNEL	+66.7/-50	4.75	4.75
NOTE 1: DESIGN PRESSURE RATINGS SHOWN ABOVE SHALL BE COMPARED TO LOADING BASED ON V _{as} d 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.				
NOTE 2: SEE SHEET 2 FOR DESIGN PRESSURES AT 10", 12", 14" AND 16". SEE SHEETS 3 AND 4 FOR SINGLE SPAN INSTALLATIONS FOR TRUSS/WOOD FRAMING CANTILEVER AND OVERHANG EAVE CONSTRUCTION. SEE SHEET 5 FOR CONNECTION DETAILS.				

TABLE OF CONTENT	
SHEET	DESCRIPTION
1	GENERAL NOTES, PERFORMANCE RATINGS, SOFFIT SCHEDULE
2	INSTALLATION NOTES AND DP RATINGS AT VARIOUS SPANS
3	INSTALLATION DETAILS, CANTILEVER CONSTRUCTION
4	INSTALLATION DETAILS, OVERHANG CONSTRUCTION
5	INSTALLATION DETAILS A THROUGH E
6	VINYL SOFFIT PROFILES AND BOM
7	VINYL SOFFIT PROFILES & CHANNEL AND FASCIA PROFILES / SOFFIT SCHEDULE

REVISIONS				KAYCAN LTD. 3075 TRANS-CANADA HWY POINTE-CLAIRE, QC, H9R 1B4, CANADA VINYL SOFFIT INSTALLATION - SINGLE SPANS GENERAL NOTES AND PERFORMANCE RATINGS			
REV.	DESCRIPTION	DATE	BY	DRAWN: RJA	DWG NO. KAY0011	PROJECT NO. ACE-2024-130	REV D
D	UPDATED 12" TRIPLE 4 FULL-0-VENT ECO	11/7/24	RJA	SCALE NTS	DATE 03/20/17	SHEET 1 of 7	

AMORUSO CONSULTING
ENGINEERING, LLC
REGISTRATION NO. 38327

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FLORIDA PE NO. 49752



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VINYL SOFFIT INSTALLATION INSTRUCTIONS
DP RATINGS AT VARIOUS SPANS

INSTALLATION NOTES:

1. EAVE WIDTHS (SPANS)
- 1.1.

THE INSTALLATION CROSS SECTIONS SHOWN ON SHEETS 3 AND 4 DEPICT SINGLE SPANS FOR EAVE CONSTRUCTION OF TRUSS/WOOD FRAMING IN EITHER CANTILEVER OR OVERHANG CONFIGURATIONS. HOWEVER, THIS DOES NOT LIMIT SOFFIT INSTALLATION TO THESE CONFIGURATIONS ONLY AS LONG AS MINIMUM FASTENER REQUIREMENTS AND SPAN LIMITS ARE MAINTAINED.
- 1.2.

SEE TABLE ON THIS SHEET FOR SPANS OF 10", 12", 12.75", 14" AND 16".
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	SUBSTRATE	MIN. EMBEDMENT (SEE NOTE 1)	EDGE DISTANCE
0.097" DIAMETER x 1-1/2" T-NAIL	CONCRETE OR MASONRY	1"	1/4"
0.072" DIAMETER X 1-3/4" TRIM NAIL	WOOD	1-3/4"	1/4"
16 GA. X 7/16" WIDTH CROWN STAPLE 1" MIN. LENGTH	WOOD	7/8"	1/4"
#8 x 3" FH WOOD SCREW OR #8 x 3" FH TAPPING SCREW.	WOOD	1-1/2"	5/8"
3/16" ITW TAPCON CONCRETE SCREW	CONCRETE OR MASONRY	1"	1-1/8"
10d NAIL	WOOD	2-1/4"	1/2"
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.			

DESIGN PRESSURE (PSF) AT VARIOUS SINGLE SPAN LENGTHS							
12" TRIPLE 4 SOLID / NO. 0623 SOLID SOFFIT				12" TRIPLE 4 FULL-O-VENT ECO / NO. 0639 VENTED SOFFIT			
Single Span Length "L"	INSTALLATION DETAILS A THRU F (SHEET 5)	Positive	Negative	Single Span Length "L"	INSTALLATION DETAILS A THRU F (SHEET 5)	Positive	Negative
10	B & C or D & E	66.7	-63.3	10	B & C or D & E	66.7	-50.0
	A & C	66.7	-60.0		A & C	66.7	-50.0
12	B & C or D & E	55.6	-52.8	12	B & C or D & E	55.6	-41.7
	A & C	55.6	-50.0		A & C	55.6	-41.7
12.75	B & C or D & E	52.3	-49.6	12.75	B & C or D & E	52.3	-39.2
	A & C	52.3	-47.1		A & C	52.3	-39.2
14	B & C or D & E	47.6	-45.2	14	B & C or D & E	47.6	-35.7
	A & C	47.6	-42.9		A & C	47.6	-35.7
16	B & C or D & E	41.7	-39.6	16	B & C or D & E	41.7	-31.3
	A & C	41.7	-37.5		A & C	41.7	-31.3

12" TRIPLE 4 FULL-O-VENT / NO. 0622 VENTED SOFFIT			
Single Span Length "L"	INSTALLATION DETAILS A THRU F (SHEET 5)	Positive	Negative
10	B & C or D & E	66.7	-56.7
	A & C	66.7	-66.7
12	B & C or D & E	55.6	-47.3
	A & C	55.6	-55.6
12.75	B & C or D & E	52.3	-44.5
	A & C	52.3	-52.3
14	B & C or D & E	47.6	-40.5
	A & C	47.6	-47.6
16	B & C or D & E	41.7	-35.4
	A & C	41.7	-41.7

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			
VINYL SOFFIT INSTALLATION - SINGLE SPANS INSTALLATION NOTES AND DP RATINGS AT VARIOUS SPANS			
DRAWN: RJA	DWG NO. KAY0011	PROJECT NO. ACE-2024-130	REV D
SCALE NTS	DATE 03/20/17	SHEET 2 of 7	

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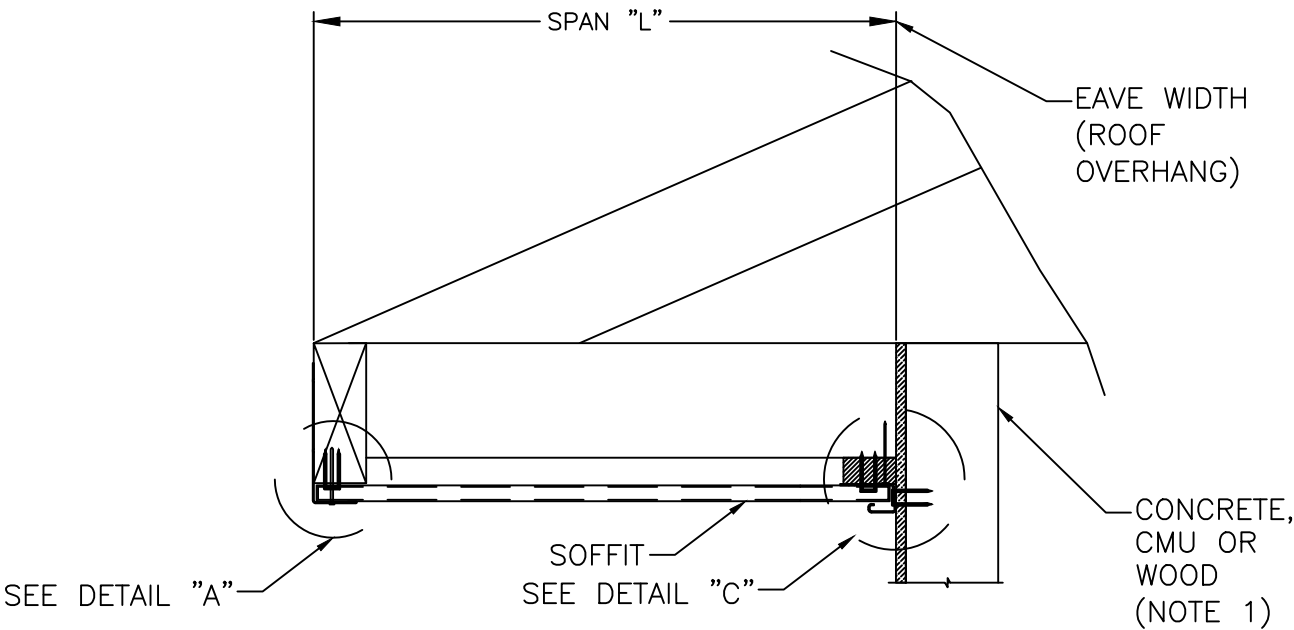
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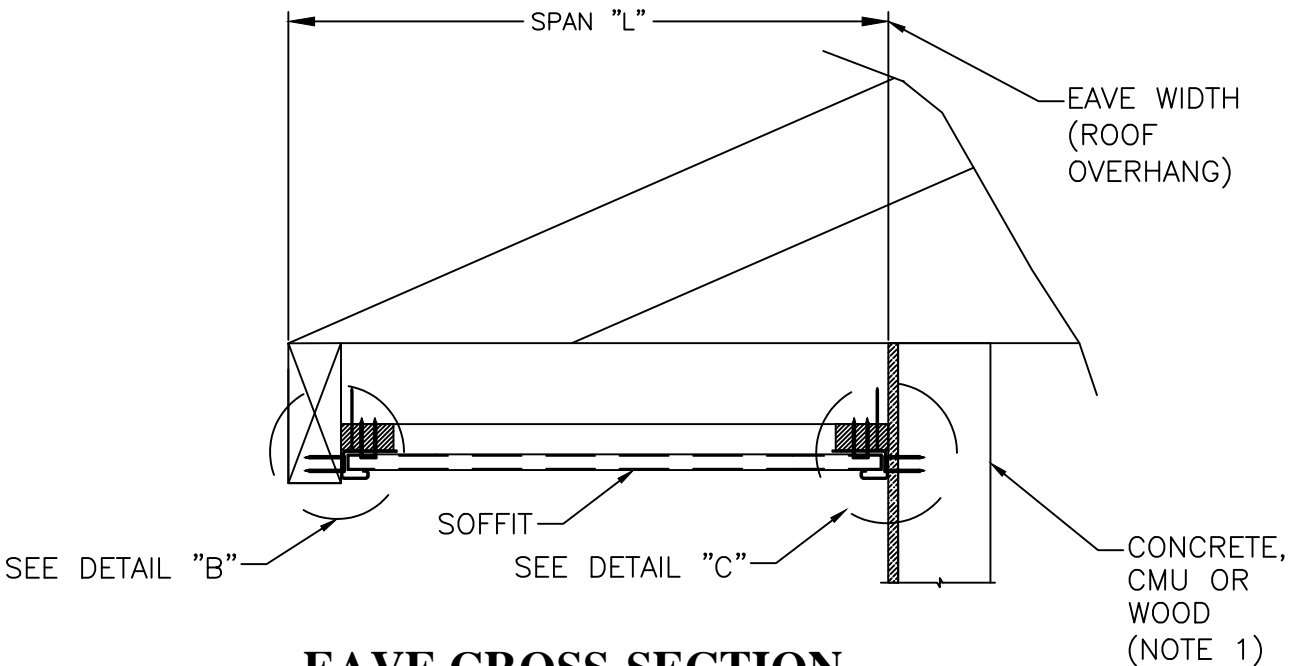
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TRUSS/FRAMING CANTILEVER EAVE CONSTRUCTION



EAVE CROSS-SECTION
SINGLE SPAN W/J-CHANNEL
J-CHANNEL @ WALL, FASCIA @ FASCIA END



EAVE CROSS-SECTION
SINGLE SPAN W/J-CHANNELS
J-CHANNEL @ WALL AND FASCIA END

SEE SHEET 2 FOR INSTALLATION
NOTES, FASTENER SCHEDULE AND
DESIGN PRESSURE PERFORMANCE
RATING TABLES. SEE SHEET 5 OR
DETAILS A, B & C.

NOTE 1: MINIMUM SPRUCE-PINE-FIR FRAMING OR CONCRETE/MASONRY. BUILDING
CODE REQUIREMENTS FOR SUBSTRATE MATERIAL MUST BE MET.

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KAYCAN LTD. 3075 TRANS-CANADA HWY POINTE-CLAIRE, QC, H9R 1B4, CANADA VINYL SOFFIT INSTALLATION - SINGLE SPANS INSTALLATION DETAILS, CANTILEVER CONSTRUCTION			
DRAWN: RJA	DWG NO. KAY0011	PROJECT NO. ACE-2024-130	REV D
SCALE NTS	DATE 03/20/17	SHEET 3 of 7	

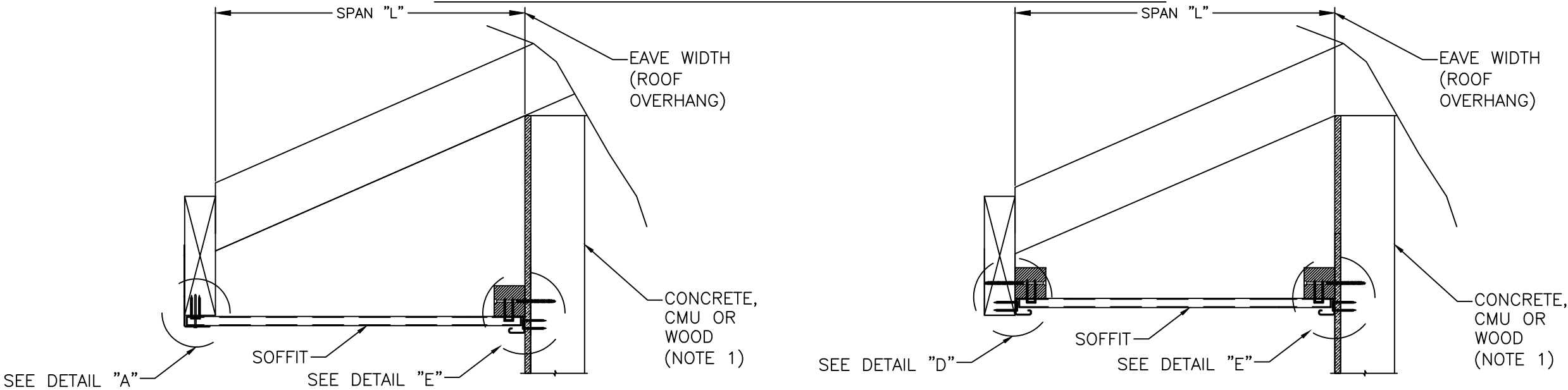
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TRUSS/FRAMING OVERHANG EAVE CONSTRUCTION



EAVE CROSS-SECTION
SINGLE SPAN W/J-CHANNEL
J-CHANNEL @ WALL, FASCIA @ FASCIA END

EAVE CROSS-SECTION
SINGLE SPAN W/J-CHANNELS
J-CHANNEL @ WALL AND FASCIA END

SEE SHEET 2 FOR INSTALLATION NOTES, FASTENER SCHEDULE AND DESIGN PRESSURE PERFORMANCE RATING TABLES. SEE SHEET 5 OR DETAILS A, D & E.

NOTE 1: MINIMUM SPRUCE-PINE-FIR FRAMING OR CONCRETE/MASONRY. BUILDING CODE REQUIREMENTS FOR SUBSTRATE MATERIAL MUST BE MET.

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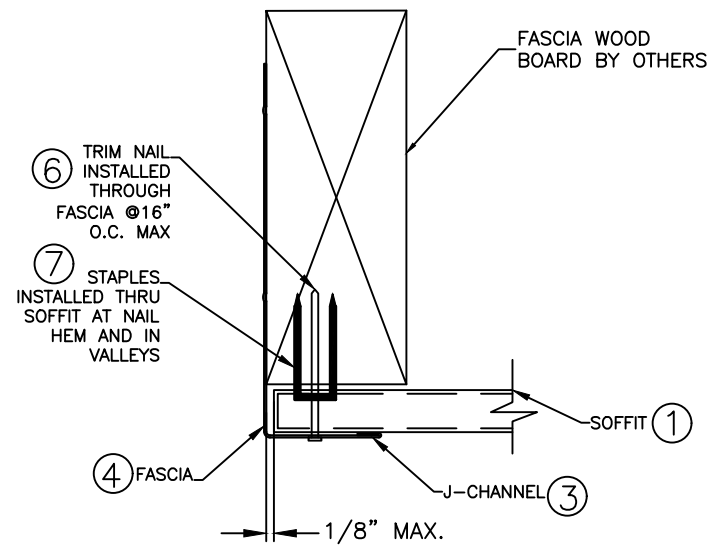
KAYCAN LTD. 3075 TRANS-CANADA HWY POINTE-CLAIRE, QC, H9R 1B4, CANADA			
VINYL SOFFIT INSTALLATION - SINGLE SPANS INSTALLATION DETAILS, OVERHANG CONSTRUCTION			
DRAWN: RJA	DWG NO. KAY0011	PROJECT NO. ACE-2024-130	REV D
SCALE NTS	DATE 03/20/17	SHEET 4 of 7	

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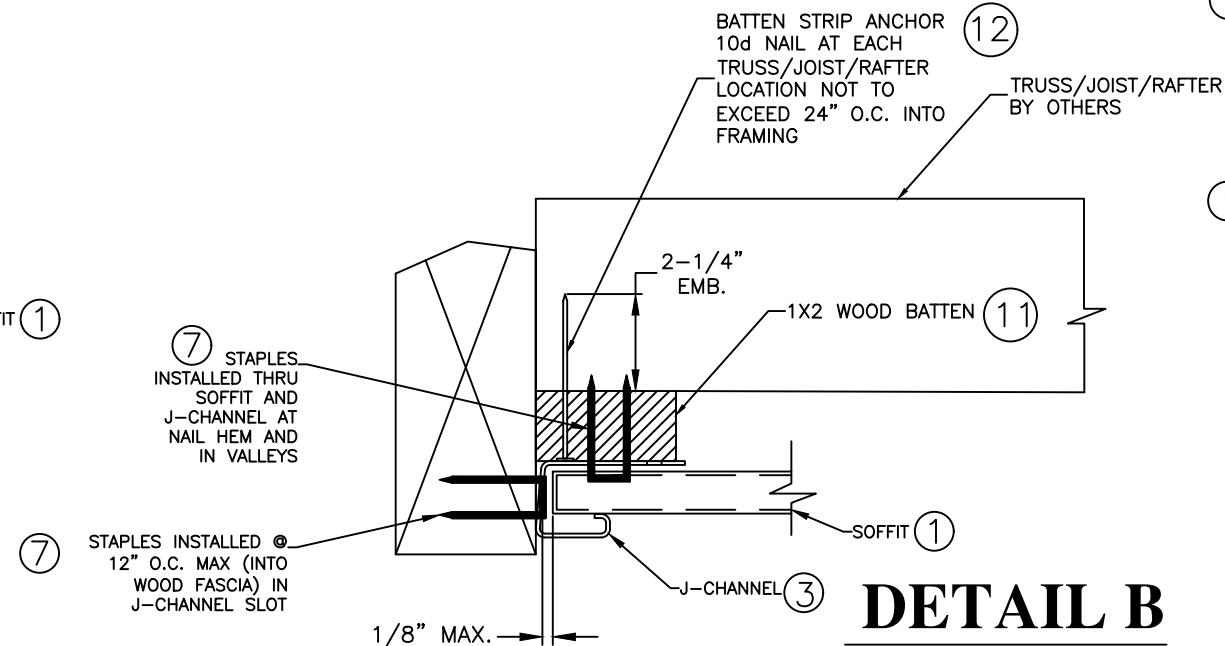
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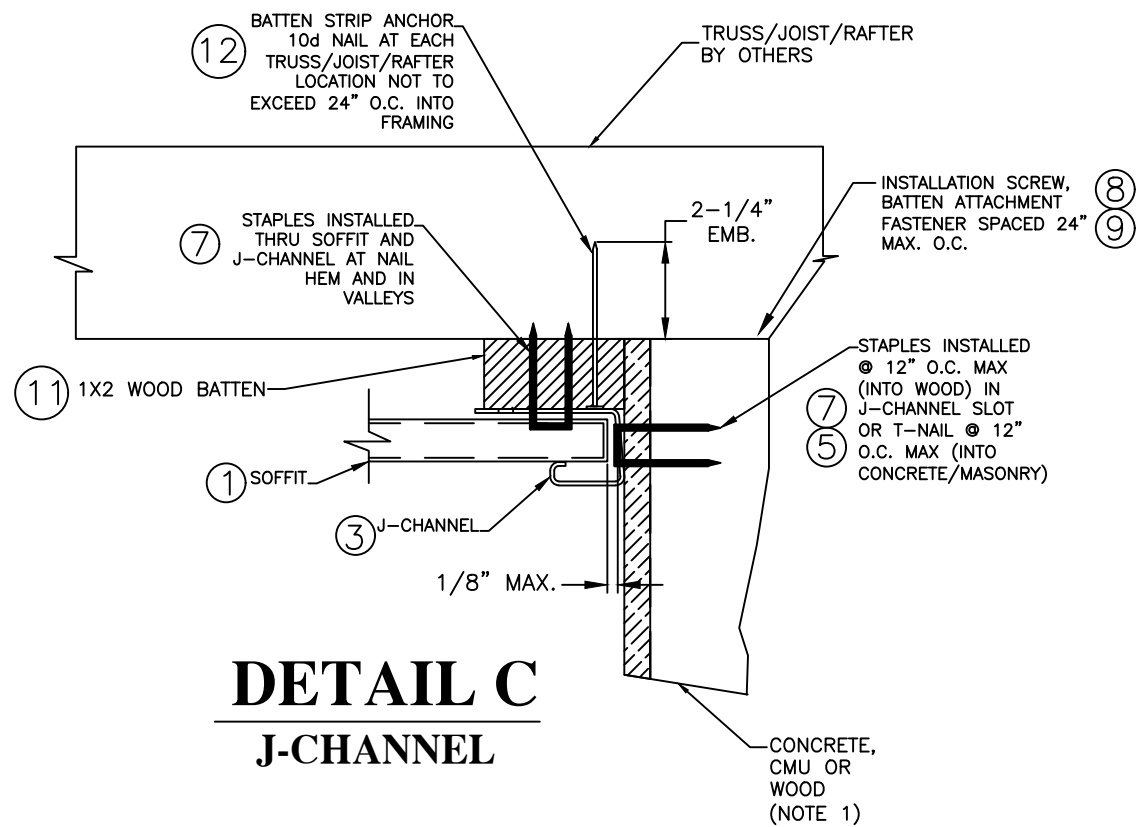
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DETAIL A
FASCIA

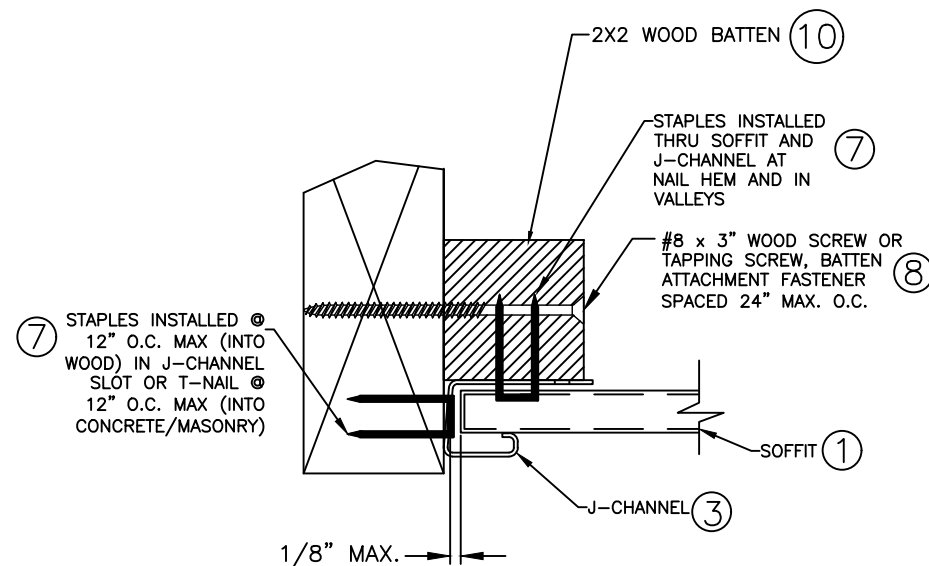


DETAIL B
J-CHANNEL FASCIA

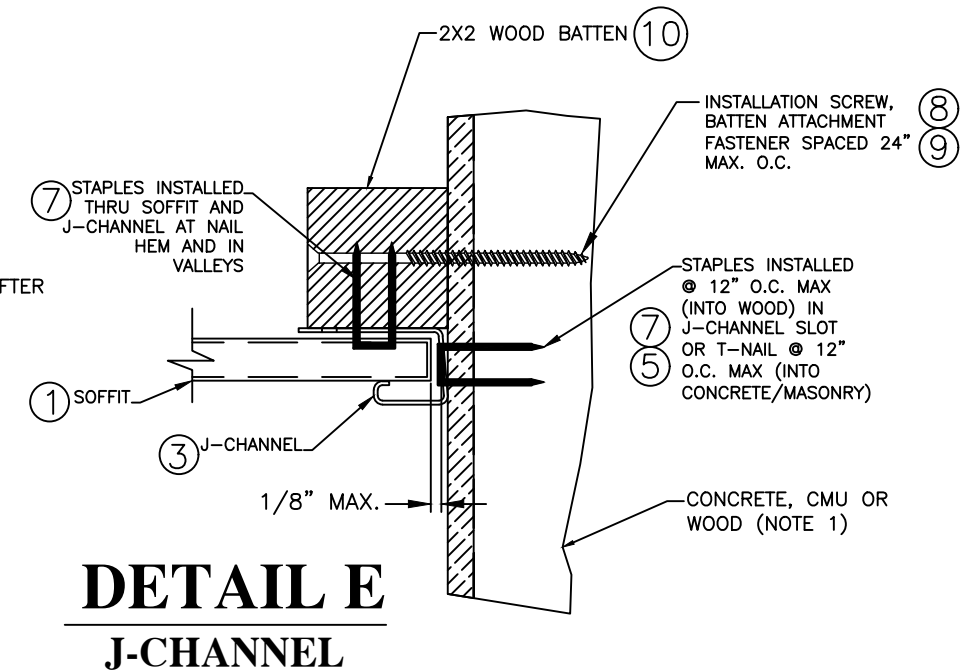


DETAIL C
J-CHANNEL

NOTE 1: MINIMUM SPRUCE-PINE-FIR FRAMING OR CONCRETE/MASONRY. BUILDING CODE REQUIREMENTS FOR SUBSTRATE MATERIAL MUST BE MET.



DETAIL D
J-CHANNEL FASCIA



DETAIL E
J-CHANNEL

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VINYL SOFFIT INSTALLATION - SINGLE SPANS			
INSTALLATION DETAILS A THROUGH E			
DRAWN: RJA	DWG NO. KAY0011	PROJECT NO. ACE-2024-130	REV D
SCALE NTS	DATE 03/20/17	SHEET 5 of 7	

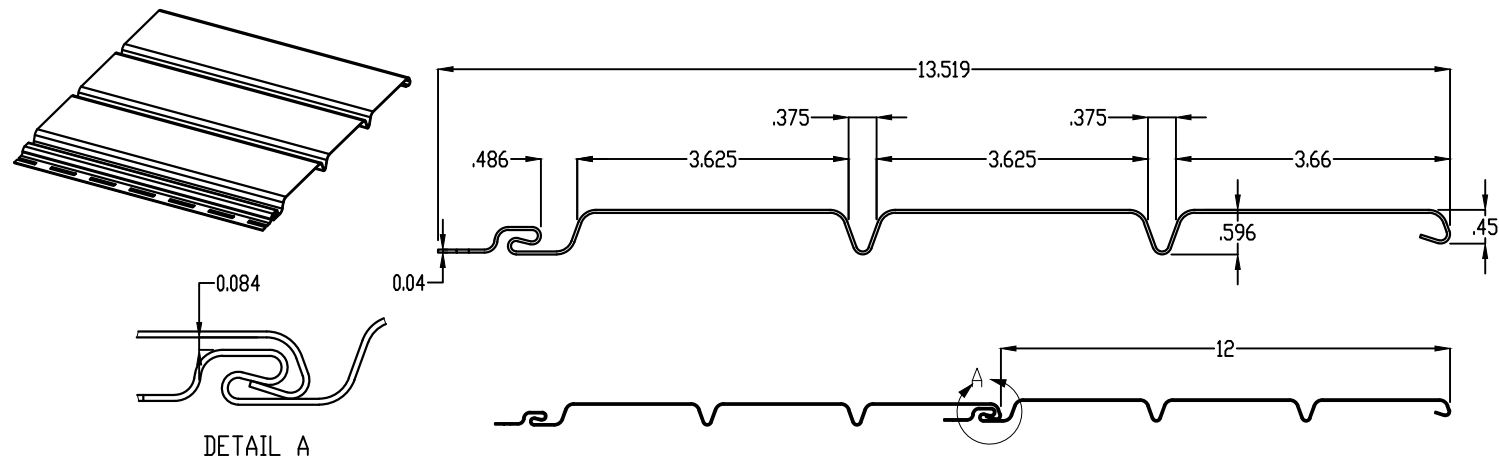
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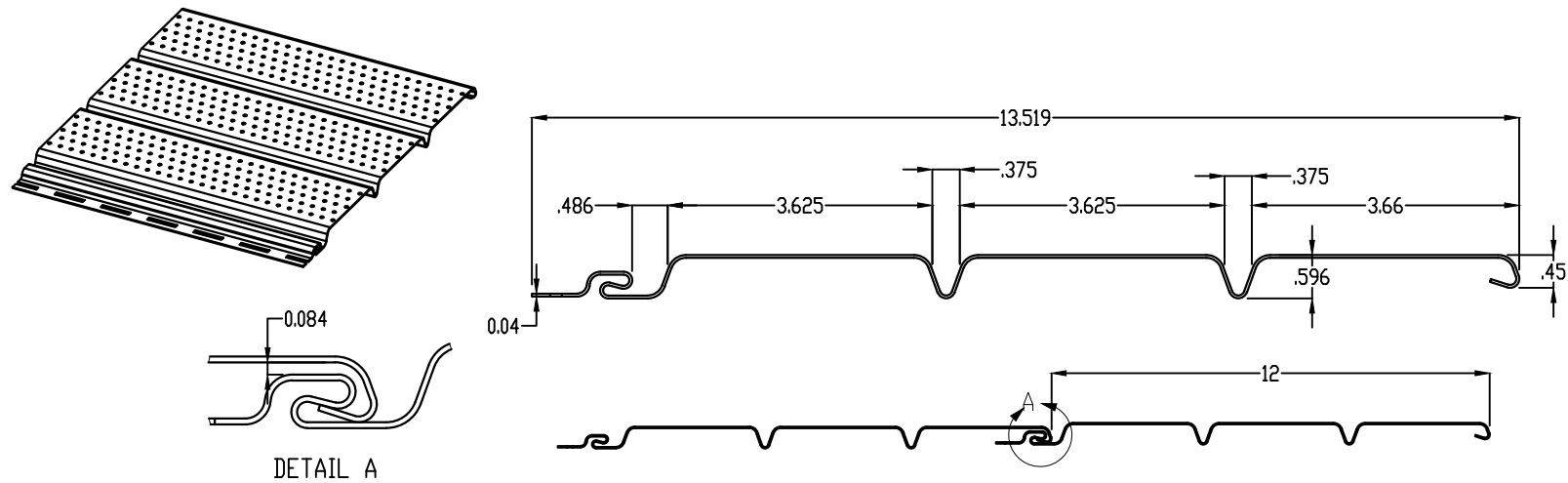


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12” TRIPLE 4 SOLID SOFFIT – VINYL – NO. 0623



12” TRIPLE 4 FULL-O-VENT SOFFIT – VINYL – NO. 0622

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
1	SOFFIT – SEE SCHEDULE ON SHEET 1 AND DRAWINGS ON SHEETS 6	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	0.097” DIAMETER x 1-1/2” T-NAIL FOR CONCRETE AND MASONRY SUBSTRATES.	STEEL
6	0.072” DIAMETER X 1-3/4” TRIM NAIL	STEEL
7	16 GA. X 7/16” WIDTH CROWN STAPLE 1” MIN. LENGTH	STEEL
8	#8 x 3” FH WOOD SCREW OR #8 x 3” FH TAPPING SCREW. USED TO ATTACH BATTEN TO WOOD STRUCTURE.	STEEL
9	3/16” ITW TAPCON CONCRETE SCREW, MIN. 1” EMBEDMENT	STEEL
10	2” X 2” NOMINAL WOOD BATTEN – SG = 0.42 MIN.	WOOD
11	1” X 2” NOMINAL WOOD BATTEN – SG = 0.42 MIN.	WOOD
12	10d NAIL	STEEL

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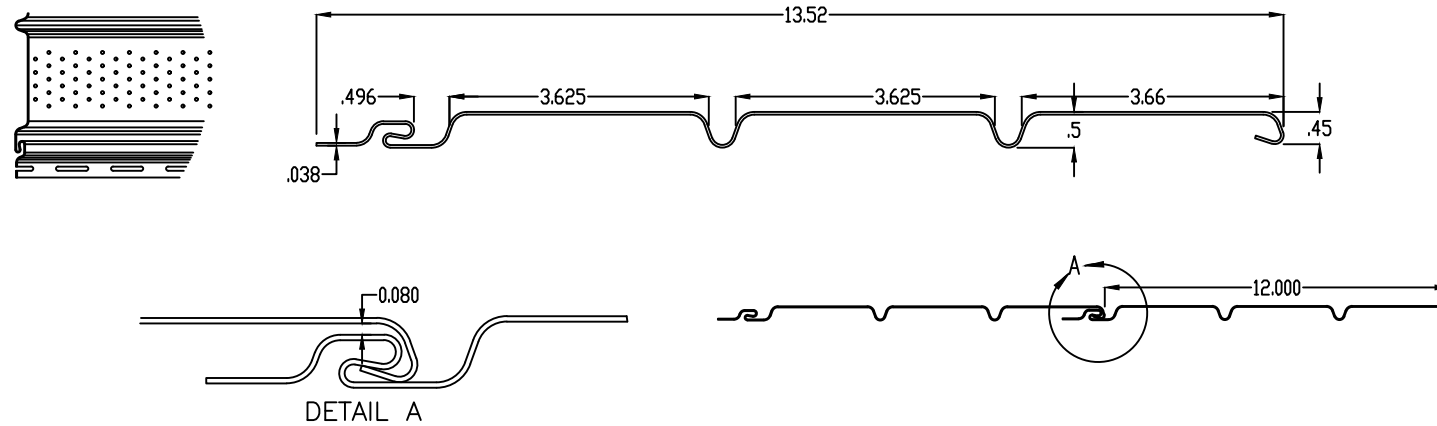
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SCALE NTS	DATE 03/20/17	SHEET 6 of 7	

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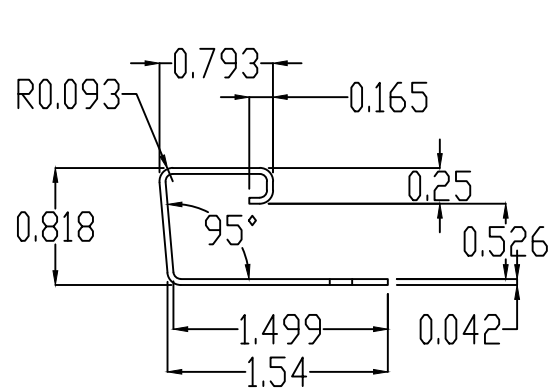
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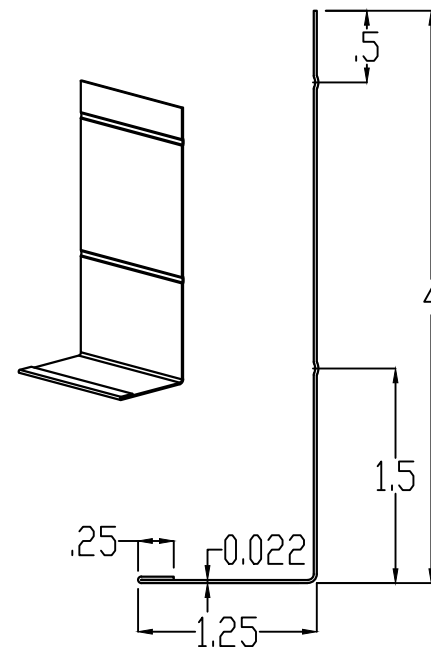
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12" TRIPLE 4 FULL-O-VENT SOFFIT ECO – VINYL – NO. 0639



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



4" FASCIA
SMOOTH
ALUMINUM
(No. 9700)

VINYL SOFFIT AND TRIM SCHEDULE		
VINYL SOFFIT SERIES	J-CHANNEL	FASCIA
12" TRIPLE 4 SOLID NO. 0623 SOLID SOFFIT	1/2" J-CHANNEL VINYL NO. 1100	4" FASCIA ALUMINUM NO. 9700
12" TRIPLE 4 FULL-O-VENT NO. 0622 VENTED SOFFIT		
12" TRIPLE 4 FULL-O-VENT ECO NO. 0639 VENTED SOFFIT		

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D	UPDATED 12" TRIPLE 4 FULL-O-VENT ECO	11/7/24	RJA

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3075 TRANS-CANADA HWY POINTE-CLAIRE, QC, H9R 1B4, CANADA			
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DRAWN: RJA	DWG NO. KAY0011	PROJECT NO. ACE-2024-130	REV D
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