

PROVIA LLC

VINYL (PVC) SOFFIT

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED AND DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) - BUILDING AND RESIDENTIAL VOLUMES EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AT THE DESIGN PRESSURE(S) SHOWN ON SHEET 2.
2. STRUCTURAL PERFORMANCE RATING (DESIGN PRESSURE IN PSF) IS BASED UPON SIGNED AND SEALED TEST REPORTS INCLUDING ASSOCIATED LABORATORY STAMPED DRAWINGS SHOWN ON SHEET 2 AND THE FOLLOWING.

2.1. A SAFETY FACTOR OF 1.5 WAS APPLIED TO THE MAXIMUM TESTED LOADING IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) - BUILDING AND RESIDENTIAL VOLUMES .

2.2. THE NEGATIVE DESIGN PRESSURE RATING TABLE ON SHEET 2 IS BASED ON DIVIDING THE AS-TESTED PRESSURE BY THE 1.5 SAFETY FACTOR.

2.2.1. NEGATIVE DESIGN PRESSURE (PSF) = TESTED NEGATIVE PRESSURE / 1.5.
3. ADEQUACY OF THE EXISTING STRUCTURAL 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.
4. SUBSTRATES RECEIVING VINYL SOFFIT SHALL BE CHECKED FOR STRUCTURAL INADEQUACY, CRACKS OR DEFECTS THAT SHALL BE ELIMINATED.
5. INSTALLATION OF SOFFIT ACCESSORIES, STARTER STRIPS, AND TRIM AROUND OPENINGS SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) - BUILDING AND RESIDENTIAL VOLUMES AS APPLICABLE AND THE MANUFACTURER'S INSTRUCTIONS.
6. SITE CONDITIONS THAT DEViate FROM THE DETAILS OF THIS DRAWING REQUIRE FURTHER ENGINEERING EVALUATION BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT.
7. WHERE VINYL SOFFIT SHALL BE INSTALLED MUST BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER, ARCHITECT OR OTHER DESIGN PROFESSIONAL AS ALLOWED BY AND IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC) - BUILDING AND RESIDENTIAL VOLUMES .

INSTALLATION NOTES:

1. PROVIA LLC SOFFIT SHALL BE INSTALLED IN ACCORDANCE ASTM D 4756, THE RECOMMENDATIONS OF THE VINYL SIDING INSTITUTE'S VINYL SIDING INSTALLATION MANUAL AND THE FOLLOWING INSTALLATION NOTES AND INSTALLATION SPECIFIC REQUIREMENTS OF THIS PRODUCT APPROVAL DOCUMENT.
2. VINYL SOFFIT INSTALLATION ANCHORS SHALL BE THE TYPE, SIZE, EMBEDMENT AND EDGE DISTANCE SHOWN IN NOTE 5 BELOW FOR RESPECTIVE SUBSTRATE.
3. VINYL SOFFIT SHALL BE INSTALLED AS SHOWN ON SHEET 3. SEE SHEET 2 FOR INSTALLATION ANCHOR SPACING AND EMBEDMENT REQUIREMENTS.
4. MINIMUM EMBEDMENT EXCLUDES FINISHES.
5. INSTALLATION ANCHOR DETAILS:

5.1. USE MINIMUM 0.125" DIAMETER x 1-1/2" LONG SMOOTH SHANK ROOFING NAIL WITH MINIMUM 0.375" DIAMETER HEAD FOR SOFFIT AND TRIM INSTALLATION.

5.2. SEE SHEETS 2 AND 3 FOR ADDITIONAL DETAILS.
6. ALL FASTENERS SHALL HAVE CORROSION RESISTANT COATINGS OR BE MADE OF CORROSION RESISTANT MATERIALS COMPATIBLE WITH THE SUBSTRATE MATERIALS.
7. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

7.1. 2x WOOD FRAMING - MIN. SPECIFIC GRAVITY OF 0.42 (EQUATES TO SPRUCE-PINE-FUR).

7.2. 15/32" THICK PLYWOOD - SPECIES GROUP 1 OR 2 (APA VOLUNTARY PRODUCT STANDARD PS 1) MINIMUM.

7.3. 7/16" OSB - SHEATHING GRADE (APA VOLUNTARY PRODUCT STANDARD PS 2) MINIMUM.
8. SOFFIT SHALL BE INSTALLED AGAINST SHEATHING MEETING THE REQUIREMENTS IN NOTE 7.2 OR 7.3 ABOVE AND SUPPORTED AT A MINIMUM OF 16" CENTERS BY 2X WOOD FRAMING OR OTHER FRAMING DESIGNED BY A DESIGN PROFESSIONAL AND MEETING THE CURRENT EDITION OF THE FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES.

8.1. THE EAVE WIDTH IS NOT LIMITED AS LONG AS THE SUPPORTING SUBSTRATE IS DESIGNED AS REQUIRED ABOVE.

VINYL SOFFIT SPECIFICATIONS:

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

TABLE OF CONTENTS	
SHEET	DESCRIPTION
1	GENERAL AND INSTALLATION NOTES
2	DESIGN PRESSURE RATING TABLE/INSTALLATION TABLE & BILL OF MATERIALS
3	SOFFIT INSTALLATION
4	UNIVERSAL SOFFIT PROFILES
5	HEARTTECH SOFFIT PROFILE
6	WOODHAVEN SOFFIT PROFILE
7	BEADED SOFFIT PROFILE

PROJECT NO. 422-0608

PROVIA LLC

301 INDUSTRIAL PARK RD.
BOONEVILLE, MS 38829

HEARTLAND SOFFIT - VINYL (PVC) SOFFIT
GENERAL NOTES, B.O.M. AND D.P. CHART

DATE: 12/14/15

DRAWING NO: HSL0021

SHEET: 1 OF 7

DRAWN BY: RJA

SCALE: n/a

REV: B

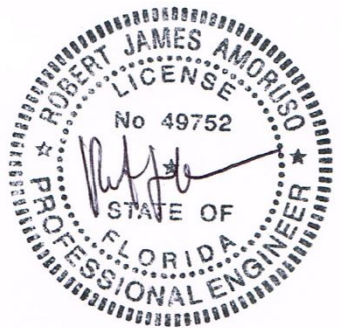
PREPARED BY:



FPC PRODUCT DESIGN GROUP, LLC

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Robert J. Amoruso, P.E.
Florida P.E. No. 49752



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by Robert J
Amoruso

Date: 2023.12.01
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SOFFIT PERFORMANCE RATING AND INSTALLATION ANCHOR SPACING

Siding Specs						Maximum Negative Design Pressure (psf)	Installation Description		
BOM ITEM No.	Description	Style	Nominal Exposure (in)	Overall Height (In)	Thickness (in) min.		Siding Fastener Spacinig (in)	Siding Fastener Details	J Channel Fastener Details
1	Universal	Double 5" (D5)	10	11.388	0.04	20.80	12	12" MAX. O.C. SPACING WITH FULL PENETRATION BEYOND SHEATHING	J CHANNELS FASTENED ALONG 2X WOOD FRAMING WITH NAILS @ 10" O.C. MAXIMUM
2	Universal	Triple 4" (T4)	12	13.328	0.04	20.80	12		
3	HeartTech	Double 6" (D6)	11.5	12.841	0.046	19.53	12		
4	Woodhaven	Triple 3-1/2"	9.875	11.573	0.044	20.80	12		
5	Beaded	Triple 1-3/4"	6.1	6.1	0.042	21.26	12		

NOTES:

1. ALLOWABLE NEGATIVE DESIGN PRESSURE BASED ON CALCULATION IN ACCORDANCE WITH THE FOLLOWING: NEGATIVE TEST PRESSURE/1.5 = NEGATIVE DESIGN PRESSURE..
2. FASTENERS SHALL MAINTAIN FULL PENETRATION BEYOND SHEATHING.

BILL OF MATERIALS					
DESCRIPTION	ITEM NO.	TYPE	Exposure (in) (Nominal)	Mat'l	Manufacturer
Universal	1	Double 5" (D5)	9.68	PVC	ProVia
	2	Triple 4" (T4)	12	PVC	ProVia
HeartTech	3	Double 6" (D6)	11.5	PVC	ProVia
WoodHaven	4	Triple 3-1/2"	10	PVC	ProVia
Beaded	5	Triple 1-3/4"	6.1	PVC	ProVia
J-Channel	6	n/a	n/a	PVC	ProVia
Installation Anchor	7	0.125" DIA. SMOOTH SHANK x 1-1/2" LONG WITH 0.375" DIA. HEAD ROOFING NAIL	n/a	Note 1	n/a
Notes					
1) ALL FASTENERS SHALL HAVE CORROSION RESISTANT COATINGS OR BE MADE OF CORROSION RESISTANT MATERIALS COMPATIBLE WITH THE SUBSTRATE MATERIALS. MINIMUM GRADE A MATERIAL STRENGTH.					

PROJECT NO. 422-0608

PROVIA LLC
301 INDUSTRIAL PARK RD.
BOONEVILLE, MS 38829

TITLE: HEARTLAND SOFFIT - VINYL (PVC) SOFFIT
DESIGN PRESSURE RATING / ANCHOR INSTALL. TABLE / BOM

PREPARED BY: RJA

DATE: 12/14/15

SCALE: n/a

REV: B

2 OF 7

UPDATE TO 8th EDITION (2023) FBC

UPDATE TO CURRENT FBC

DESCRIPTION

6/23/23

4/7/21

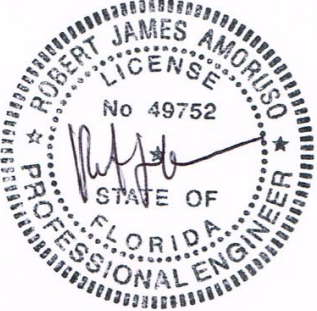
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RJA

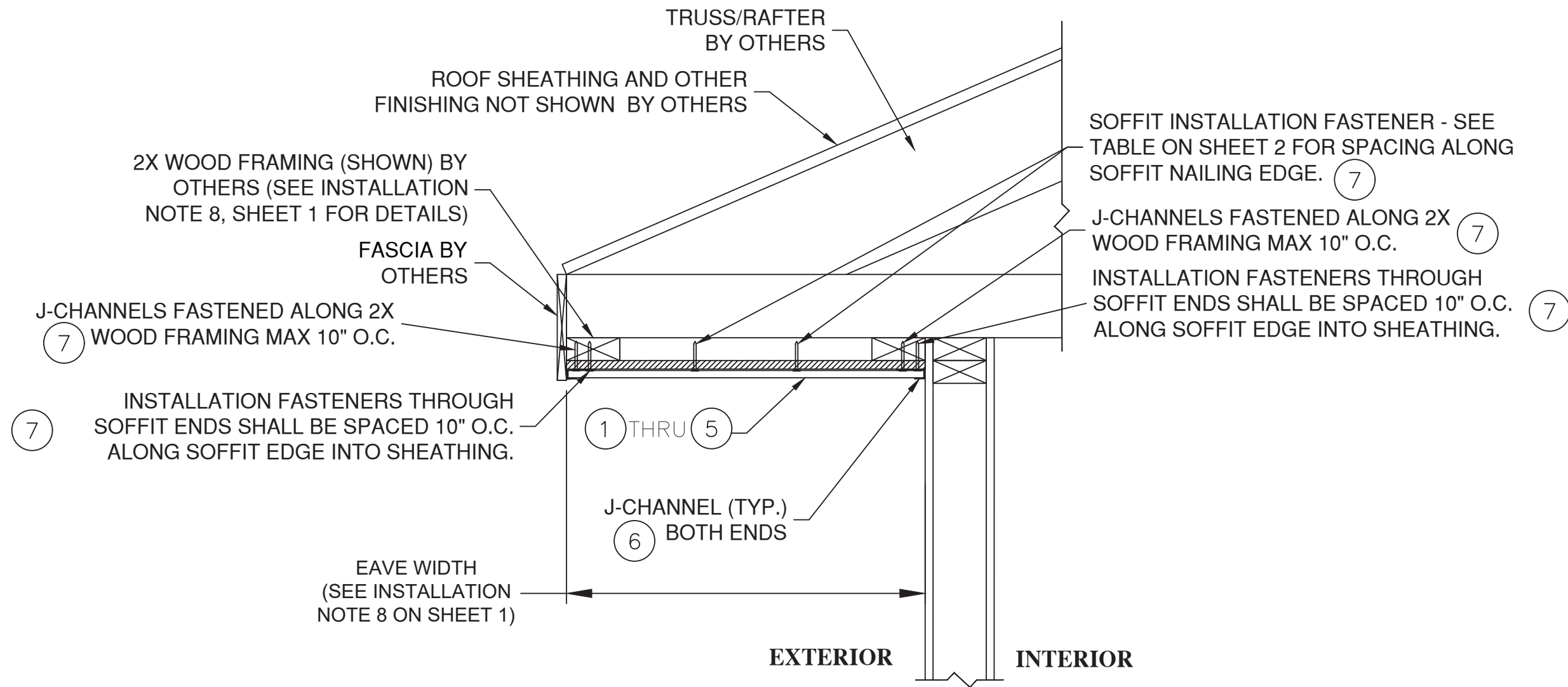
RJA

BY

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



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Amoruso
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SOFFIT INSTALLATION CROSS SECTION

SOFFIT INSTALLATION INTO 2X WOOD FRAMING TYPICAL

PROJECT NO. 422-0608

			RJA	BY
			6/23/23	DATE
B	UPDATE TO 8th EDITION (2023) FBC			
A	UPDATE TO CURRENT FBC		4/7/21	
REV	DESCRIPTION			

PROVIA LLC

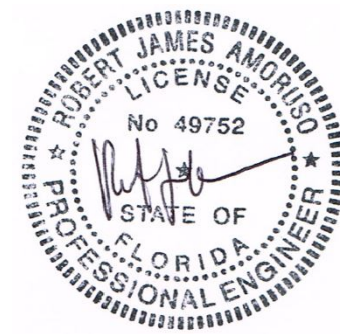
301 INDUSTRIAL PARK RD.
BOONEVILLE, MS 38829

HEARTLAND SOFFIT - VINYL (PVC) SOFFIT
HORIZONTAL SOFFIT - INSTALLATION DETAILS

DATE:	12/14/15	DRAWING NO:	HSL0021	SHEET:	3 OF 7
DRAWN BY:	RJA	SCALE:	n/a	REV:	B

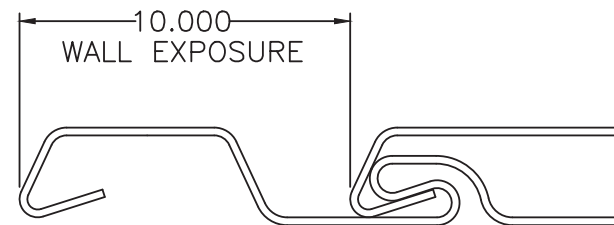
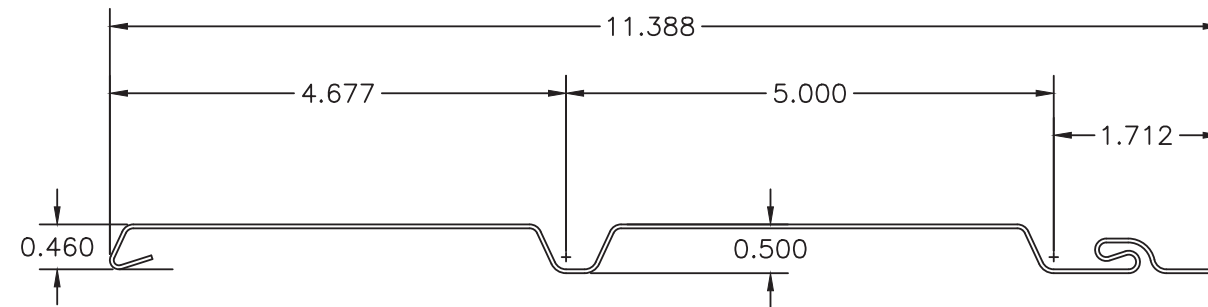
PTC PRODUCT DESIGN GROUP, LLC
P.O. Box 520775
Longwood, FL 32752-0775
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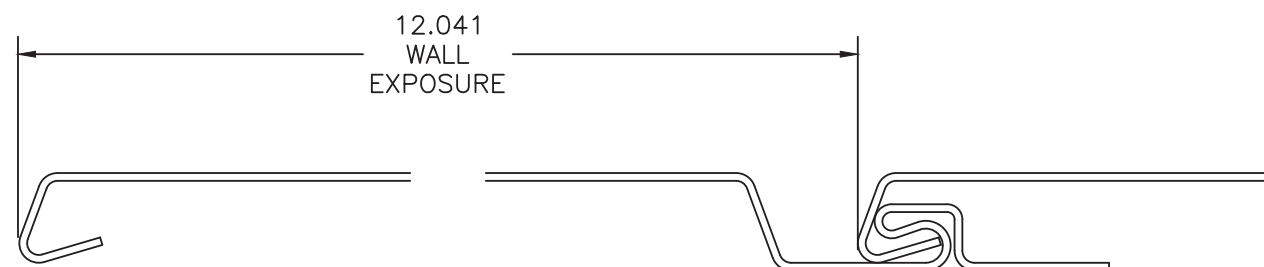
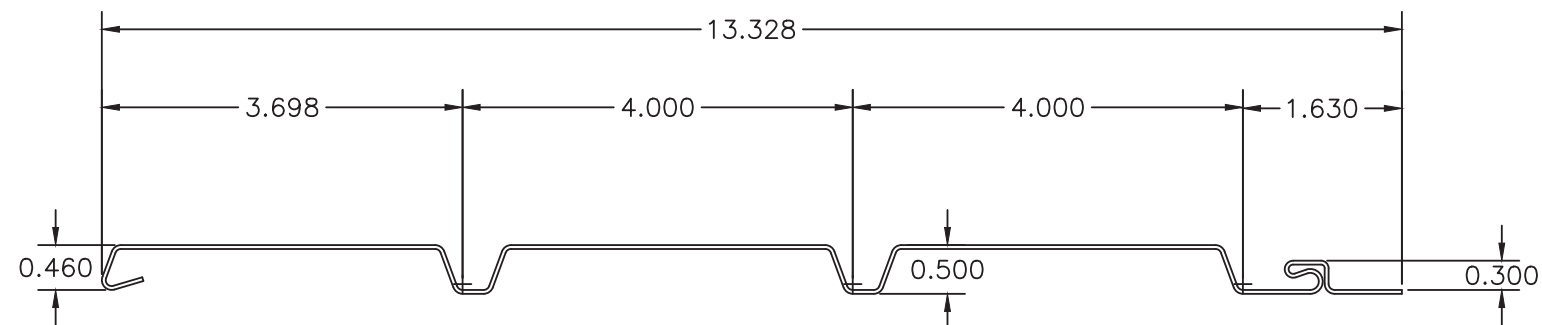
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Amoruso
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UNIVERSAL SOFFIT PROFILES



LOCKING DETAIL

UNIVERSAL D5
THICKNESS - 0.040"
MATERIAL - VINYL (PVC)



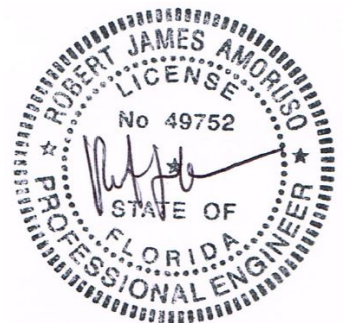
LOCKING DETAIL

UNIVERSAL T4
THICKNESS - 0.040"
MATERIAL - VINYL (PVC)

- NOTES:
1. SEE SHEET 2 FOR DESIGN PRESSURE RATING AND INSTALLATION ANCHOR SPACING.
 2. SEE SHEET 3 FOR INSTALLATION ANCHOR REQUIREMENTS.
 3. SEE SHEET 2 FOR BILL OF MATERIALS.

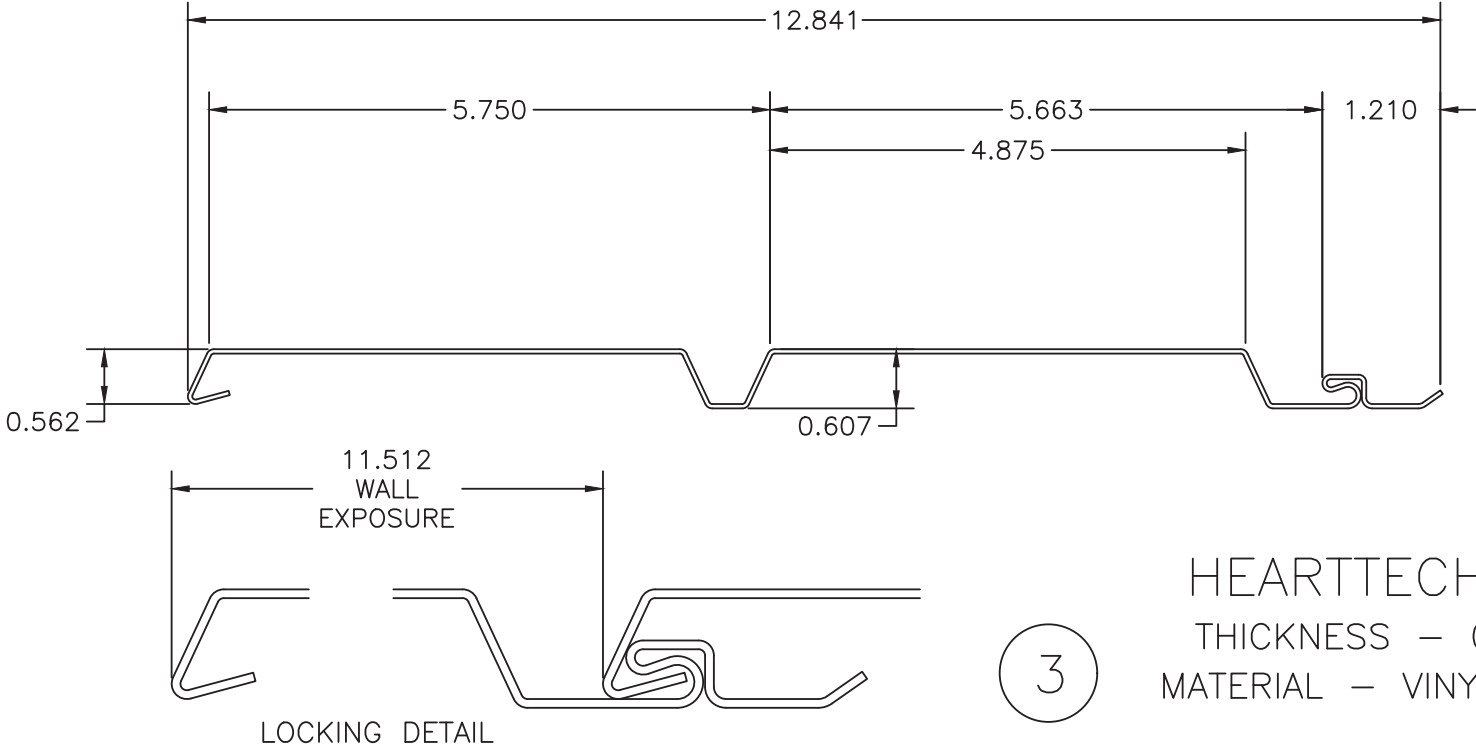
PROVIA LLC 301 INDUSTRIAL PARK RD. BOONEVILLE, MS 38829			PROJECT NO. 422-0608			
TITLE: HEARTLAND SOFFIT - VINYL (PVC) SOFFIT UNIVERSAL SOFFIT PROFILES PREPARED BY:  PDC PRODUCT DESIGN GROUP, LLC P.O. Box 528215 Louisville, KY 40252-7715 Fax: 502.690.1768 Email: info@pdc-corp.com			DRAWN BY: RJA		DATE: 12/14/15	
			SCALE: n/a		DRAWING NO: HSL0021	
			REV: B		SHEET: 4 OF 7	
			UPDATE TO 8th EDITION (2023) FBC		6/23/23	RJA
			UPDATE TO CURRENT FBC		4/7/21	RJA
REV	DESCRIPTION	DATE	BY			

Robert J. Amoruso, P.E.
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Amoruso
Date: 2023.12.01
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HEARTTECH SOFFIT PROFILE



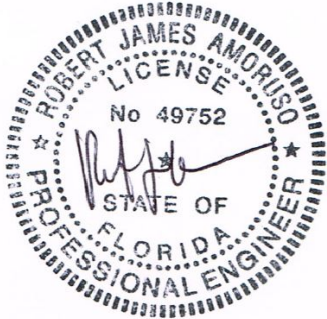
HEARTTECH D6
THICKNESS – 0.046”
MATERIAL – VINYL (PVC)

3

NOTES:

- SEE SHEET 2 FOR DESIGN PRESSURE RATING AND INSTALLATION ANCHOR SPACING.
- SEE SHEET 3 FOR INSTALLATION ANCHOR REQUIREMENTS.
- SEE SHEET 2 FOR BILL OF MATERIALS.

Robert J. Amoruso, P.E.
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by Robert J
Amoruso
Date: 2023.12.01
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PROJECT NO. 422-0608		PROVIA LLC 301 INDUSTRIAL PARK RD. BOONEVILLE, MS 38829		DATE: 12/14/15	
		TITLE: HEARTLAND SOFFIT - VINYL (PVC) SOFFIT HEARTTECH SOFFIT PROFILE		DRAWN BY: RJA	
B	UPDATE TO 8th EDITION (2023) FBC			SCALE: n/a	DRAWING NO: HSL0021
A	UPDATE TO CURRENT FBC			REV: B	SHEET: 5 OF 7
REV/	DESCRIPTION			PTC PRODUCT DESIGN GROUP, LLC P.O. Box 520715 Longwood, FL 32750-0775 FBPE Cent. of Auth. No. 25935 Email: info@ptc-corp.com Phone: 321.690.1788 Fax: 321.690.1789	
				BY RJA 6/23/23	
				BY RJA 4/7/21	

Technical drawing of a mechanical part with dimensions. The drawing shows a profile with a total length of 11.573. The dimensions are as follows:

- Overall length: 11.573
- Segment 1 (left): 3.101
- Segment 2 (middle): 3.301
- Segment 3 (right): 3.101
- Segment 4 (far right): 1.870
- Vertical dimension (left): 0.695
- Vertical dimension (middle): 0.770



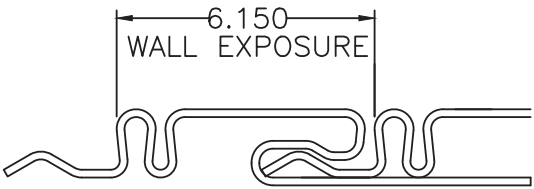
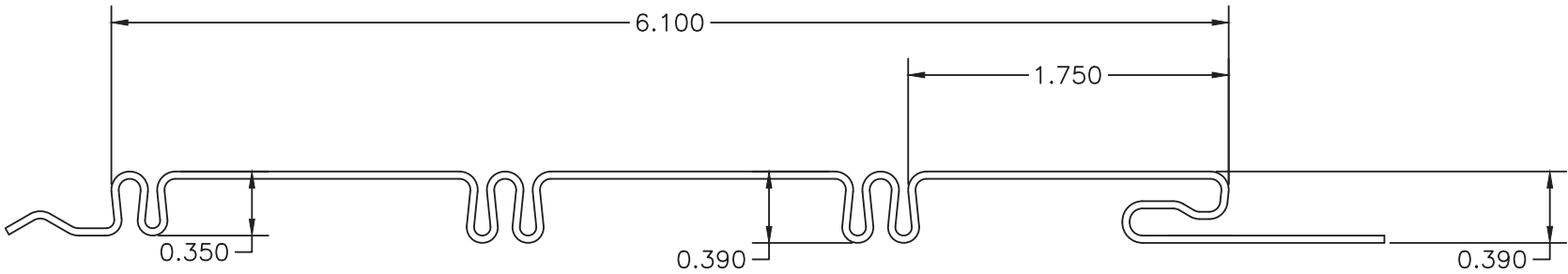
1. SEE SHEET 2 FOR DESIGN PRESSURE RATING AND INSTALLATION ANCHOR SPACING.
2. SEE SHEET 3 FOR INSTALLATION ANCHOR REQUIREMENTS.
3. SEE SHEET 2 FOR BILL OF MATERIALS.

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 is written across the center of the seal.

Digitally signed
by Robert J
Amoruso
Date: 2023.12.01
08:55:52 -05'00'

PROVIA LLC 301 INDUSTRIAL PARK RD. BOONEVILLE, MS 38829		PROJECT NO. 422-0608	
TITLE: HEARTLAND SOFFIT - VINYL (PVC) SOFFIT WOODHAVEN SOFFIT PROFILE			
PREPARED BY: 	DRAWN BY: RJA	DATE: 12/14/15	
	SCALE: n/a	DRAWING NO: HSL0021	
	REV: B	SHEET: 6 OF 7	
	PTC PRODUCT DESIGN GROUP, LLC P.O. Box 1788 Loyock, MO 63252-0775 FBPE Cert. of Auth. No. 25935 Email: info@ptc-corp.com Phone: 321.690.1788 Fax: 321.690.1789		
B	UPDATE TO 8th EDITION (2023) FBC	6/23/23	RJA
A	UPDATE TO CURRENT FBC	4/7/21	RJA
REV	DESCRIPTION	DATE	BY

BEADED SOFFIT PROFILE



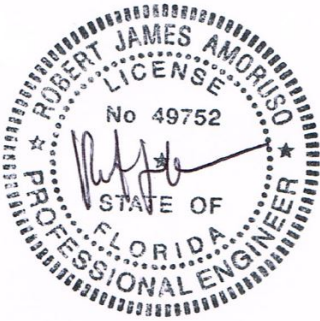
5

BEADED SOFFIT TRIPLE 1-3/4" THICKNESS - 0.042" MATERIAL - VINYL (PVC)

NOTES:

- 1. SEE SHEET 2 FOR DESIGN PRESSURE RATING AND INSTALLATION ANCHOR SPACING.
- 2. SEE SHEET 3 FOR INSTALLATION ANCHOR REQUIREMENTS.
- 3. SEE SHEET 2 FOR BILL OF MATERIALS.

Robert J. Amoruso, P.E.
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by Robert J Amoruso
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PROVIA LLC

301 INDUSTRIAL PARK RD.
BOONEVILLE, MS 38829

HEARTLAND SOFFIT - VINYL (PVC) SOFFIT
BEADED SOFFIT PROFILE

PREPARED BY:

DRAWN BY: RJA

DATE: 12/14/15

PTC PRODUCT DESIGN GROUP, LLC
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Longwood, FL 32752-0775

Phone: 321.690.1788
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Email: info@ptc-corp.com

SCALE: n/a

DRAWING NO: HSL0021

REV: B

SHEET: 7 OF 7

PROJECT NO. 422-0608

B	UPDATE TO 8th EDITION (2023) FBC	6/23/23	RJA
A	UPDATE TO CURRENT FBC	4/7/21	RJA
REV	DESCRIPTION	DATE	BY