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ROYAL BUILDING PRODUCTS, A WESTLAKE COMPANY

VINYL SOFFIT PRODUCTS

DESIGN PRESSURE TABLE:

Soffit Name	Panel Configuration	Coverage (in.)	Typical Thickness	Allowable Pressure (psf)	Allowable Pressure (psf) Over Sheathing
				Nails	
				12" O.C.	12" O.C.
Builders Double 5	Solid & Perforated	10.00	0.038	+/- 21.1	+/- 41.3
Designer Beaded Panel T3	Solid & Perforated	9.00	0.042	+/- 48.9	+/- 95.9
Double 5	Solid & Perforated	10.00	0.042	+/- 47.8	+/- 93.7
Select Laminates D4V	Solid & Vented	8.00	0.044	+/- 50.0	+/- 98.0
T3 Hidden Vent	Solid & Vented	9.00	0.044	+/- 50.0	+/- 98.0
Triple 4	Solid, Perforated & Vented	12.00	0.042	+/- 35.9	+/- 70.4

DESIGN PRESSURE TABLE NOTES:

- ALLOWABLE NEGATIVE WIND PRESSURES BASED ON CALCULATIONS IN ACCORDANCE WITH CHAPTER 16 OF THE FBC.
- FACTOR OF SAFETY = 1.5.
- PRESSURE EQUALIZATION FACTOR WAS NOT USED IN THE DETERMINATION OF THE DESIGN PRESSURES FOR OPEN FRAMING INSTALLATION.
- PRESSURE EQUALIZATION FACTOR WAS USED IN THE DETERMINATION OF THE DESIGN PRESSURES FOR INSTALLATION OVER SHEATHING.

INSTALLATION NOTES:

- ONE (1) INSTALLATION FASTENER IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- INSTALLATION OF STEEL ROOFING NAILS ARE 1 1/2" LONG WITH 1/8" DIAMETER SHANKS AND 3/8" DIAMETER HEAD.
- INSTALLATION OF STAPLE FASTENERS ARE 16 GAUGE 7/16" X 1-1/2" FLAT STAPLES 2" FROM EACH END AND SHALL BE SPACED 12" O.C.
- INSTALLATION FASTENERS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. FASTENER EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING.
- INSTALLATION FASTENERS AT SOFFIT ENDS SHALL BE SPACED 12" O.C. ALONG SOFFIT EDGE INTO BATTENS. SEE DETAIL A/2.
- INSTALLATION FASTENERS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- INSTALLATION FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND FASTENERS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42 (SPF).

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM D3679-17
 - ASTM D 4477
 - ASTM D 5206
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- VINYL SOFFIT SHALL MEET THE REQUIREMENTS OF CURRENT FBC SECTION. APPLICATIONS OF VINYL SOFFITS SHALL MEET SECTION CHAPTER 16 & 17 OF THE FBC.
- VINYL SOFFIT SPECIFICATIONS:
 - SIDING MATERIAL: PVC (PER ASTM D 4477)
 - NOMINAL WALL THICKNESS: VARIES SEE DESIGN PRESSURE TABLE
- INSTALLATION OF SOFFIT ACCESSORIES SUCH AS CORNER POSTS, STARTER STRIPS, TRIMS AROUND OPENINGS SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND THE MANUFACTURER'S INSTRUCTIONS.
- VINYL SOFFITS USED FOR PORCH CEILINGS SHALL BE INSTALLED WITH MULTIPLE SPAN/LARGE OVERHANG DETAILS AS SHOWN ON SHEETS 2, 4, 5 AND 6.



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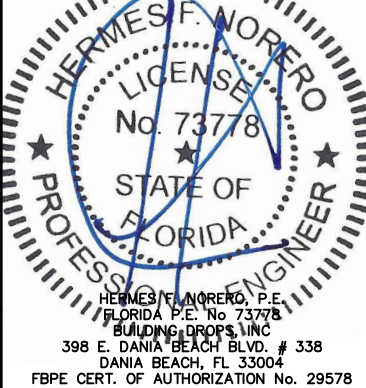
TITLE:
VINYL SOFFIT PRODUCTS
DESIGN PRESSURE TABLE
INSTALLATION & GENERAL NOTES - ROYAL
BUILDING PRODUCTS BRAND SOFFIT

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Reason: I am approving this document
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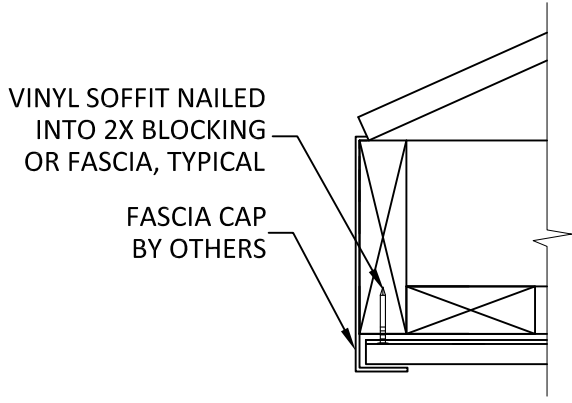
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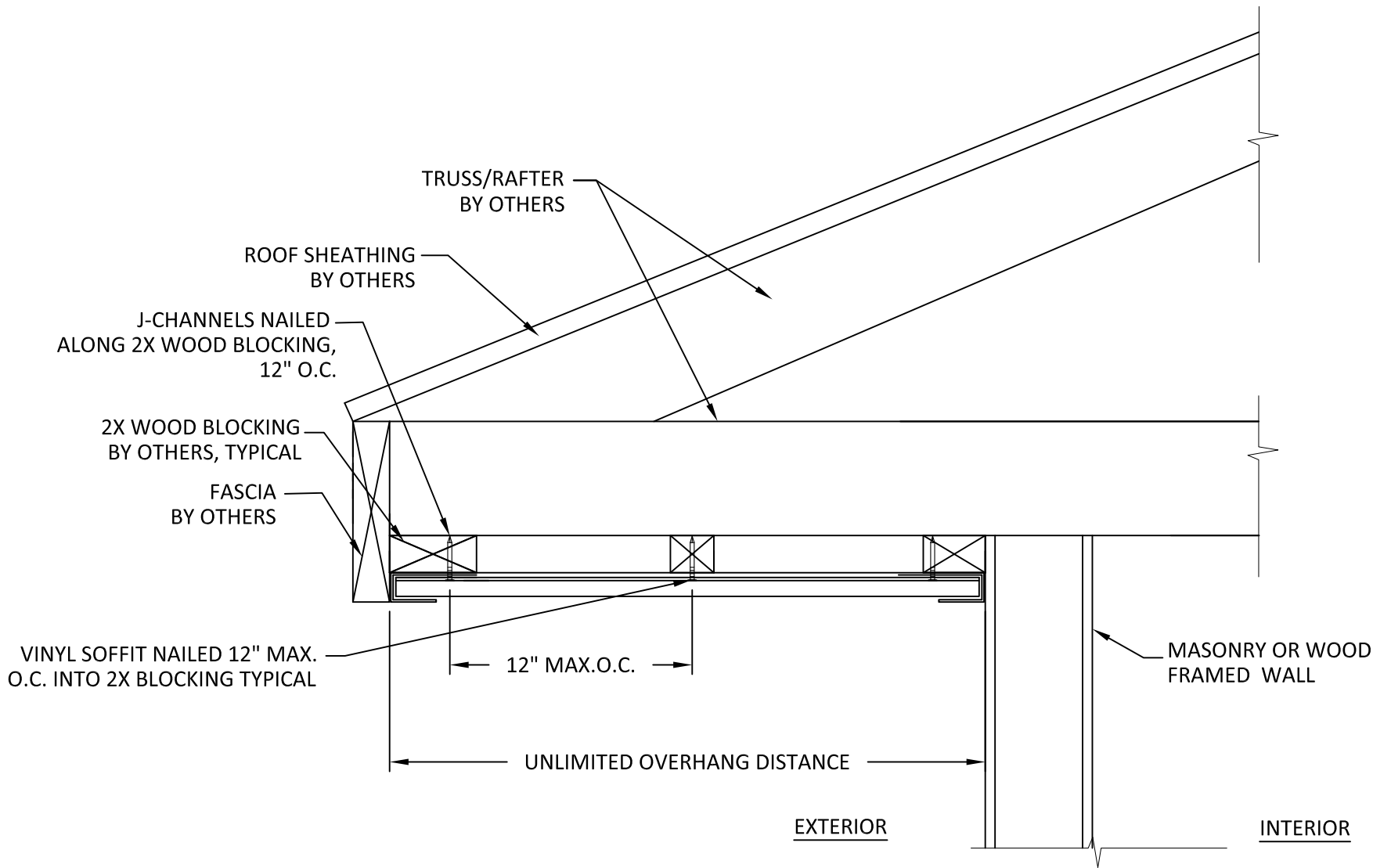
SCALE: **NTS**

DWG. #: **RBP028**

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ALTERNATE FASCIA CONDITION



A
2 **VERTICAL SECTION**
SOFFIT INSTALLATION DETAIL
2X WOOD FRAMING, TYP.



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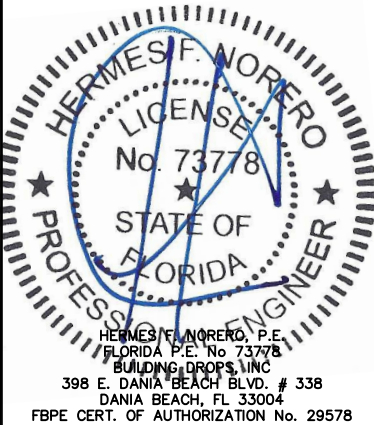
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INSTALLATION DETAILS - ROYAL
BUILDING PRODUCTS BRAND SOFFIT

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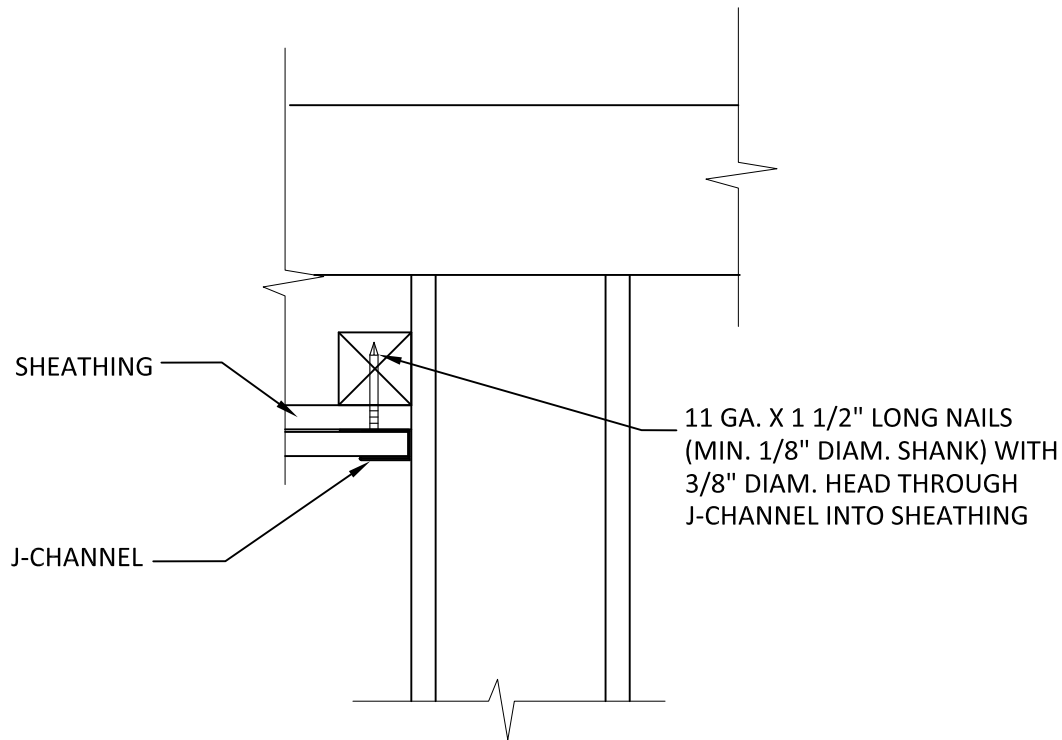
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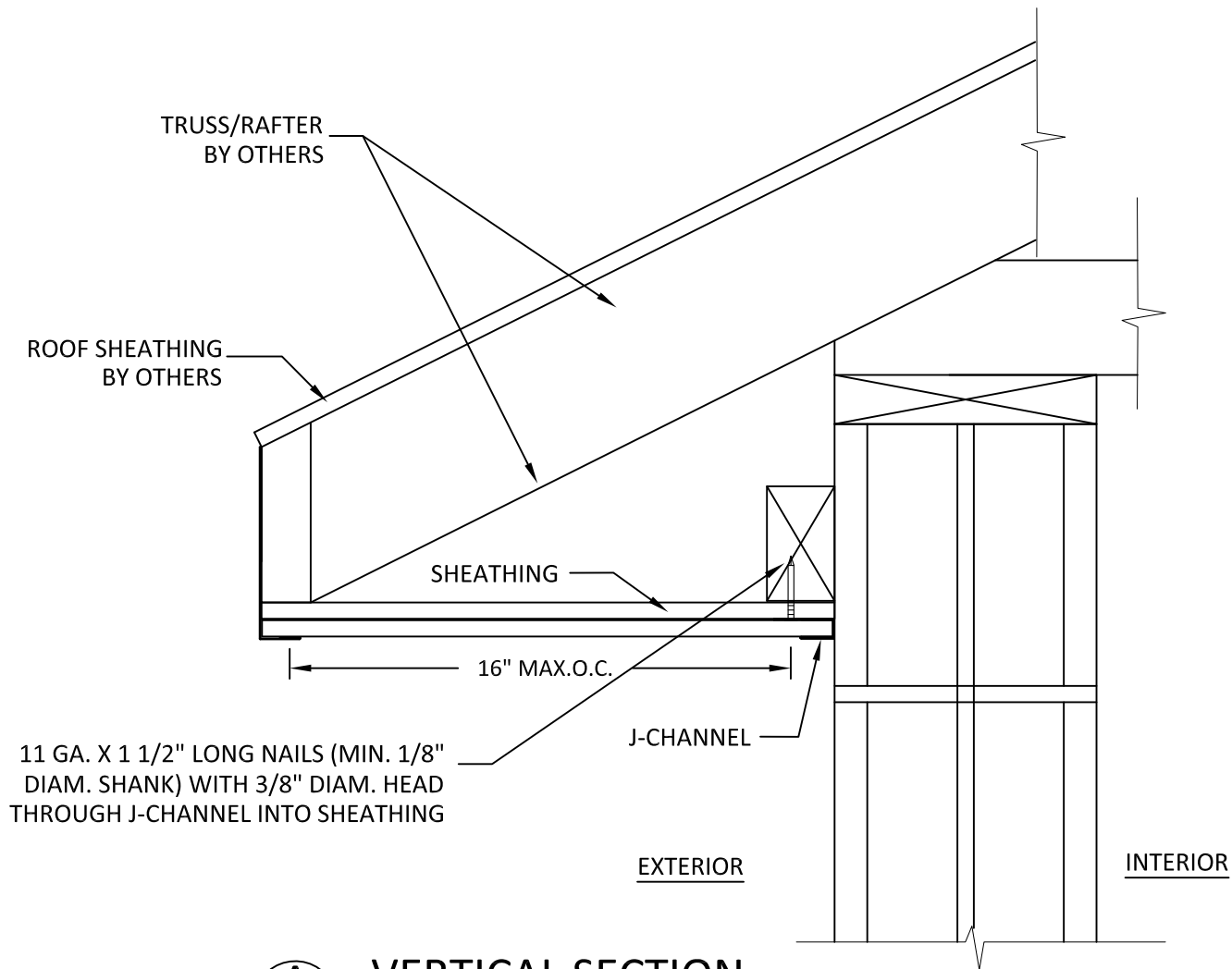
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ALTERNATE WOOD WALL INSTALLATION
FOR BUILDERS TRIPLE 4 SOFFIT



A
3

VERTICAL SECTION

SOFFIT INSTALLATION DETAIL
BUILDERS TRIPLE 4 SINGLE SPAN

DESIGN PRESSURE TABLE:

Soffit Name	Panel Configuration	Coverage	Typical Thickness	Allowable Pressure(psf) Over Sheathing		Allowable Pressure(psf) Over Open Framing	
				Nails	Staples	Nails	Staples
				10" O.C.	10" O.C.	12" O.C.	12" O.C.
Builders Triple 4	Solid & Perforated	Single-Span (16 in.)	0.038	+/- 140.0	+/- 172.8	+/- 75.6	+/- 93.3

DESIGN PRESSURE TABLE NOTES:

1. ALLOWABLE NEGATIVE WIND PRESSURES BASED ON CALCULATIONS IN ACCORDANCE WITH CHAPTER 16 OF THE FBC.
2. FACTOR OF SAFETY = 1.5.
3. PRESSURE EQUALIZATION FACTOR WAS NOT USED IN THE DETERMINATION OF THE DESIGN PRESSURES FOR OPEN FRAMING INSTALLATION.
4. PRESSURE EQUALIZATION FACTOR WAS USED IN THE DETERMINATION OF THE DESIGN PRESSURES FOR INSTALLATION OVER SHEATHING.

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BUILDERS TRIPLE 4 INSTALLATION DETAILS
AND PRESSURE TABLE - ROYAL BUILDING
PRODUCTS BRAND SOFFIT

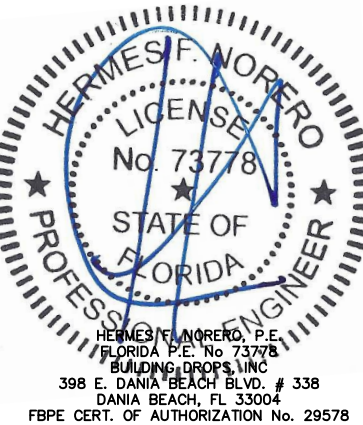
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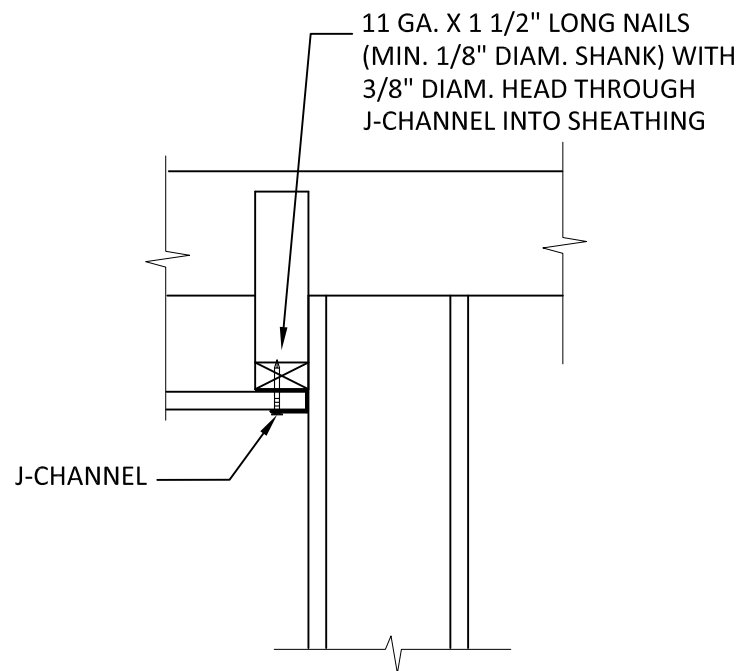
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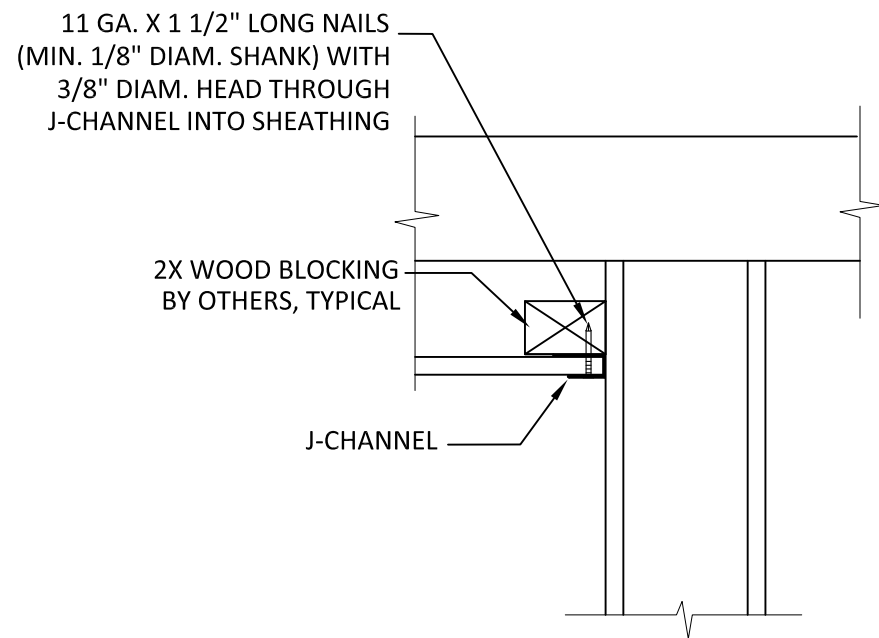
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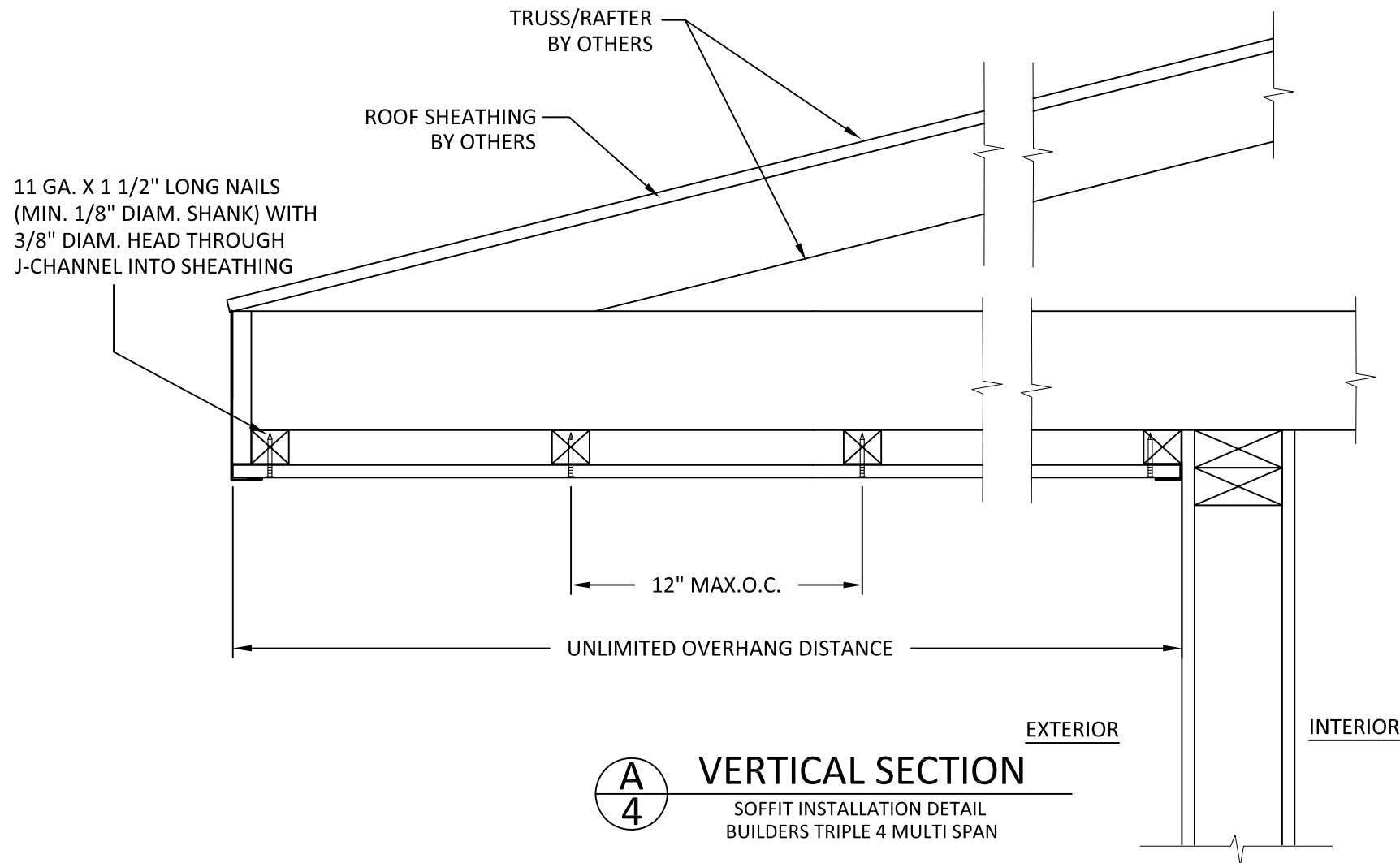
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ALTERNATE WOOD WALL INSTALLATION
FOR BUILDERS TRIPLE 4 SOFFIT



ALTERNATE WOOD WALL INSTALLATION
FOR BUILDERS TRIPLE 4 SOFFIT



A
4

VERTICAL SECTION

SOFFIT INSTALLATION DETAIL
BUILDERS TRIPLE 4 MULTI SPAN

DESIGN PRESSURE TABLE:

Soffit Name	Panel Configuration	Coverage	Typical Thickness	Allowable Pressure(psf) Over Sheathing		Allowable Pressure(psf) Over Open Framing	
				Nails	Staples	Nails	Staples
				10" O.C.	10" O.C.	12" O.C.	12" O.C.
Builders Triple 4	Solid & Perforated	Multi-Span	0.038	+/- 72.5	+/- 72.5	+/- 72.5	+/- 72.5

DESIGN PRESSURE TABLE NOTES:

1. ALLOWABLE NEGATIVE WIND PRESSURES BASED ON CALCULATIONS IN ACCORDANCE WITH CHAPTER 16 OF THE FBC.
2. FACTOR OF SAFETY = 1.5.
3. PRESSURE EQUALIZATION FACTOR WAS NOT USED IN THE DETERMINATION OF THE DESIGN PRESSURES FOR OPEN FRAMING INSTALLATION.
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TITLE: **VINYL SOFFIT PRODUCTS**
BUILDERS TRIPLE 4 INSTALLATION DETAILS
AND PRESSURE TABLE (CONT.) - ROYAL
BUILDING PRODUCTS BRAND SOFFIT

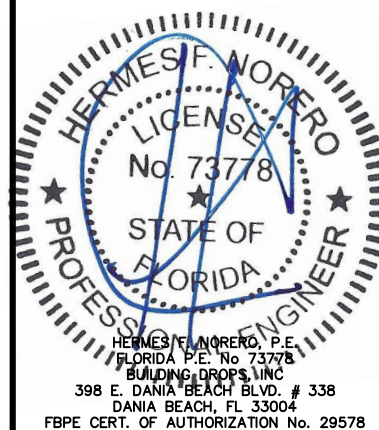
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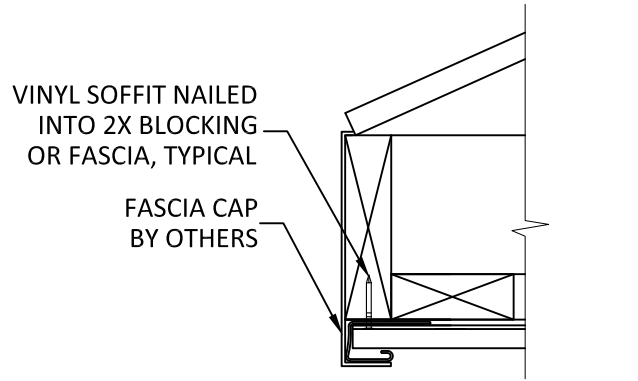
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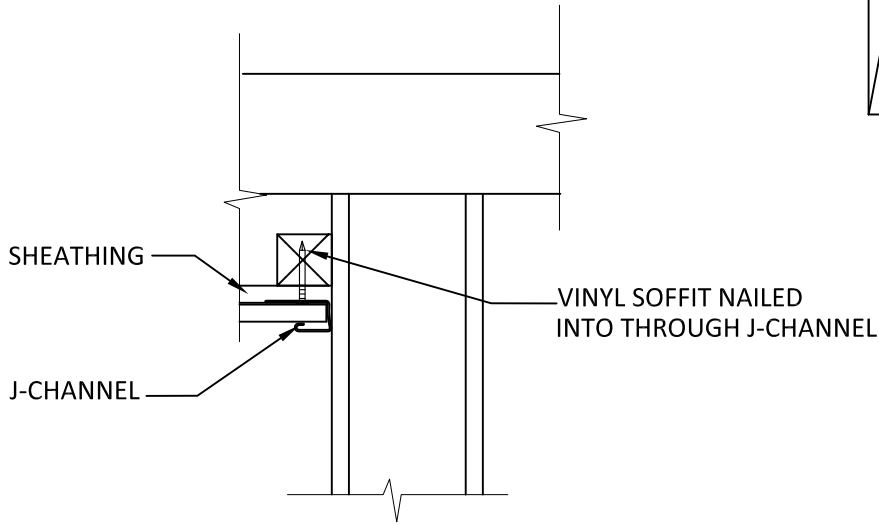
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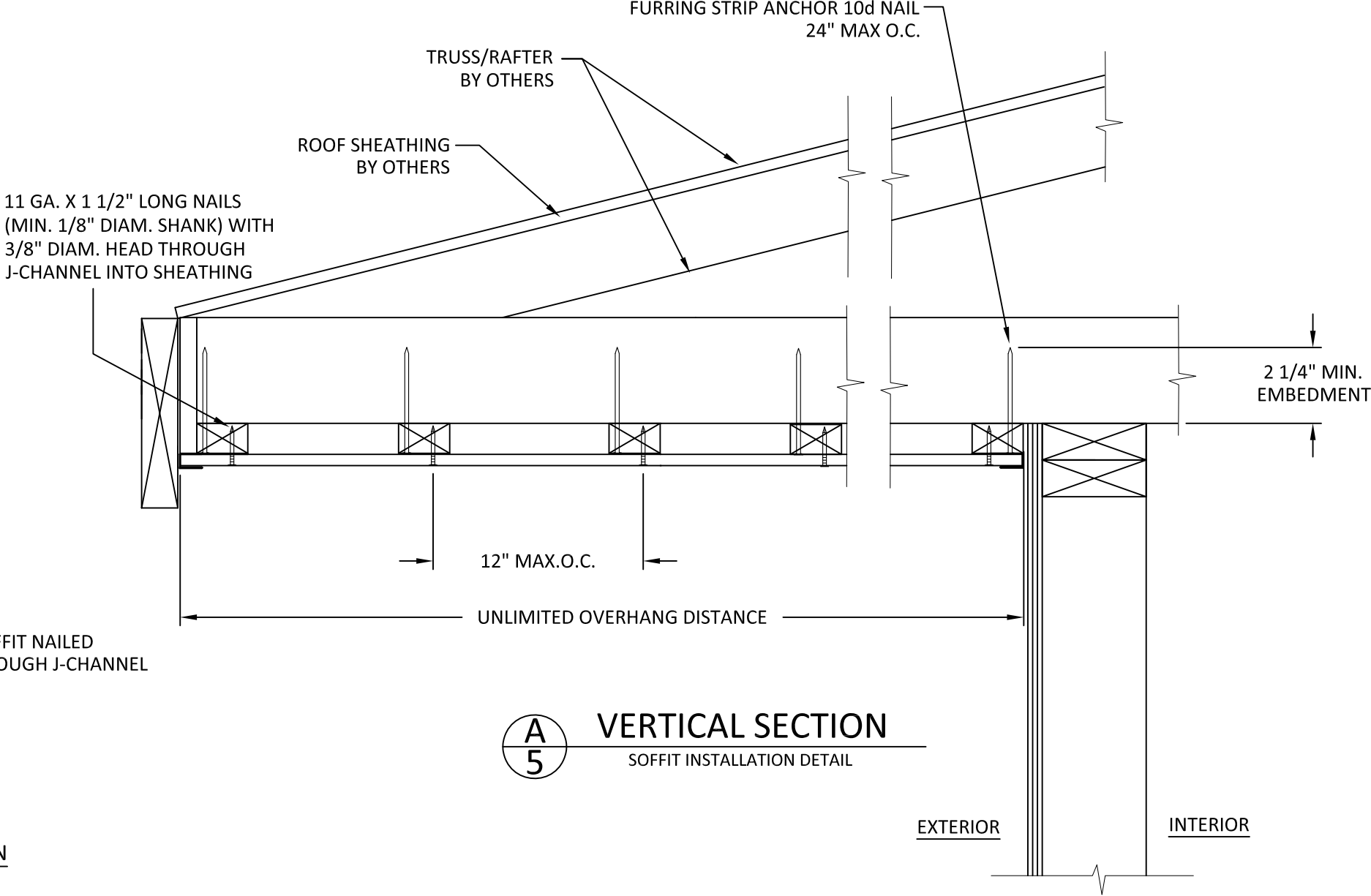
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ALTERNATE FASCIA CONDITION



ALTERNATE WOOD WALL INSTALLATION



Soffit Name	Panel Configuration	Coverage	Typical Thickness	Allowable Pressure(psf) Over Sheathing	Allowable Pressure(psf) Over Open Framing
				Nails	
				12" O.C.	12" O.C.
Triple 3	Solid & Vented	Multi-Span	0.043"	+148.1/-67.8	+80.0/-36.6
Triple 3 Vinyl	Solid & Vented	Multi-Span	0.043"	+148.1/-78.1	+80.0/-42.2
Double 5	Solid & Vented	Multi-Span	0.038"	+148.1/-78.1	+80.0/-42.2



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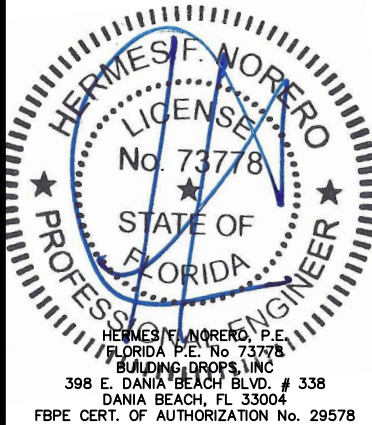
TITLE: VINYL SOFFIT PRODUCTS
INSTALLATION DETAILS AND MULTI-SPAN
PRESSURE TABLE - EXTERIOR PORTFOLIO
BRAND SOFFIT

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DWG. #: **RBP028**

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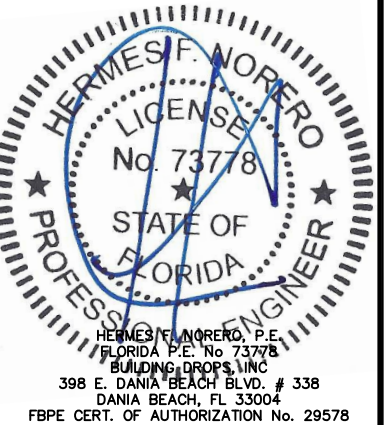
TITLE: **VINYL SOFFIT PRODUCTS**
INSTALLATION DETAILS AND SINGLE-SPAN
PRESSURE TABLE - EXTERIOR PORTFOLIO
BRAND SOFFIT

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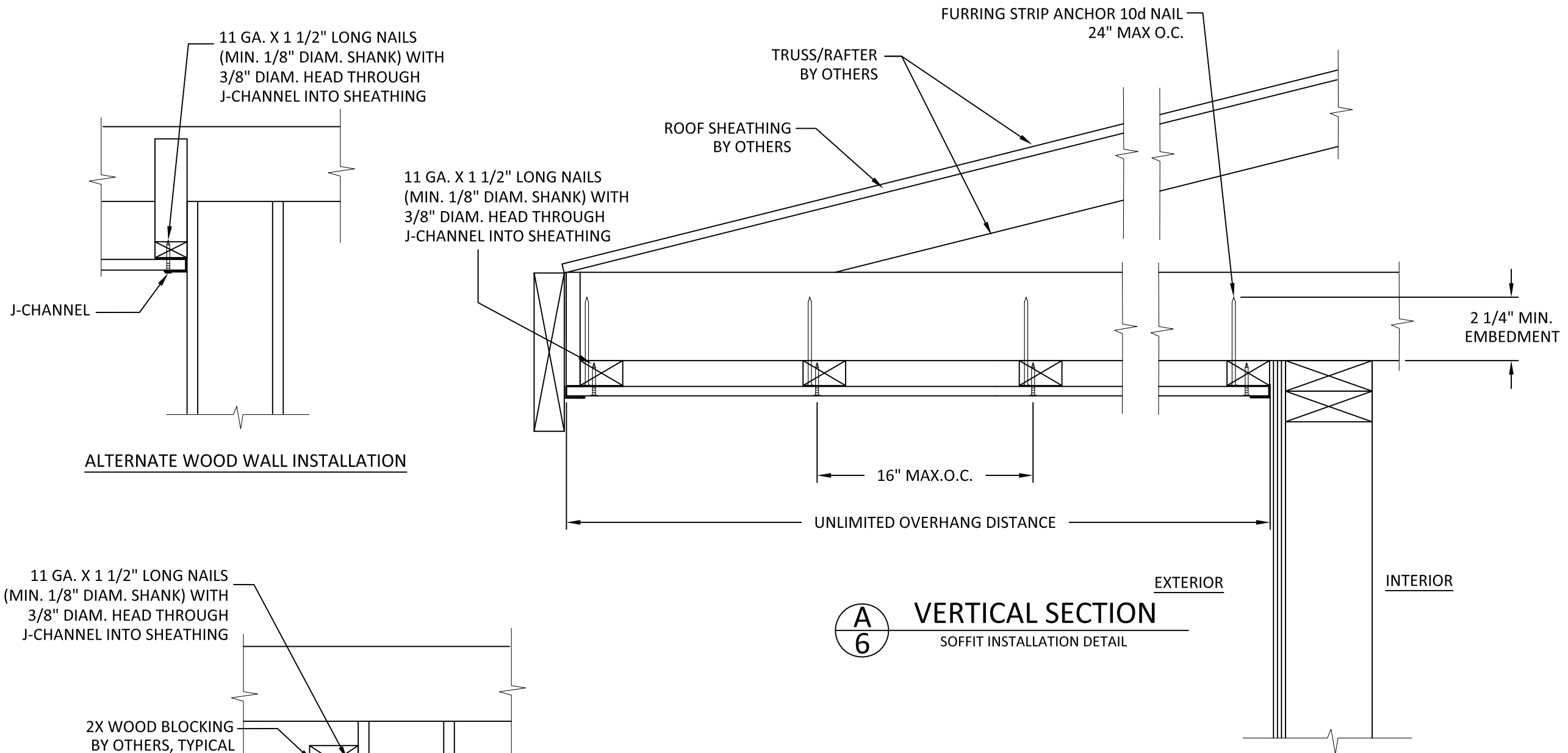
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A
6

VERTICAL SECTION

SOFFIT INSTALLATION DETAIL

Soffit Name	Panel Configuration	Coverage	Typical Thickness	Allowable Pressure(psf) Over Sheathing	Allowable Pressure(psf) Over Open Framing
				Nails	
				16" O.C.	16" O.C.
Triple 3	Solid & Vented	Single-Span	0.043"	+123.4/-59.6	+66.6/-32.2
Double 5	Solid	Single-Span	0.038"	+123.4/-119.4	+66.6/-64.5
Double 5	Vented	Single-Span	0.038"	-119.4	-64.5
Triple 4	Solid & Vented	Single-Span	0.038"	+123.4/-49.4	+66.6/-26.7