

WESTLAKE ROYAL BUILDING PRODUCTS

ALUMINUM SOFFIT PRODUCTS

(NON-HVHZ) (NON-IMPACT)

DESIGN PRESSURE TABLE:

Soffit Name	Panel Configuration	Installation	Coverage (in.) Single Span	Typical Thickness	Allowable Pressure (psf)				
					Nails & Staples				
					16" O.C.	14" O.C.	12" O.C.	10" O.C.	8" O.C.
Aluminum Soffit	Solid & Perforated	Open Frame	16.00	0.014	+/- 55.6	+/- 55.6	+/- 55.6	+/- 55.6	+/- 55.6
		Over Sheathing			+/- 66.6	+/- 76.11	+/- 88.8	+/- 106.56	+/- 133.2

DESIGN PRESSURE TABLE NOTES:

- ALLOWABLE 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 OF 0.36 WAS USED IN THE DETERMINATION OF THE DESIGN PRESSURES FOR INSTALLATION OVER SHEATHING.

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INSTALLATION NOTES:

- ONE (1) INSTALLATION FASTENER IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- INSTALLATION FASTENERS SHALL BE 1 1/2" STEEL ROOFING NAILS WITH 1/8" DIAMETER SHANKS AND 3/8" DIAMETER HEAD, OR 7/16" CROWN STAPLES.
- INSTALLATION FASTENERS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. FASTENER EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING.
- INSTALLATION FASTENERS SHALL BE SPACED 15.5" O.C. NAILED THROUGH THE NAIL HEM INTO FRAMING AT EACH END OF THE SOFFIT.
- 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:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55 (MIXED MAPLE SOUTHERN PINE).

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:
 - AAMA 1402-09
- 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 IN NON-HVHZ AREAS.
- ALUMINUM SOFFIT SPECIFICATIONS:
 - ALUMINUM SOFFITS SHALL CONFORM TO THE SPECIFICATION AND LABELING REQUIREMENTS OF FBC SECTION 1709.10.
- 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.



WESTLAKE ROYAL BUILDING PRODUCTS
2801 POST OAK BLVD. SUITE 600
HOUSTON, TX 77056
PH: (614) 754-3488

TITLE: ALUMINUM SOFFIT PRODUCTS

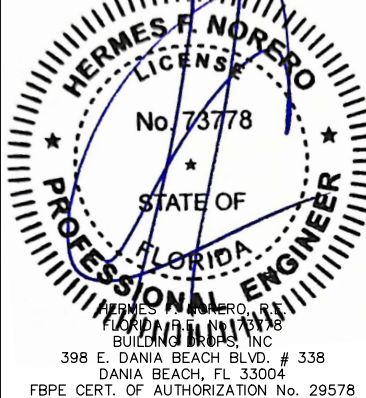
DESIGN PRESSURE TABLE
INSTALLATION & GENERAL NOTES

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398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE
2023 CODE CHANGE	MG	08/23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.08.16 13:48:00 -04'



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DATE: **09.30.22**

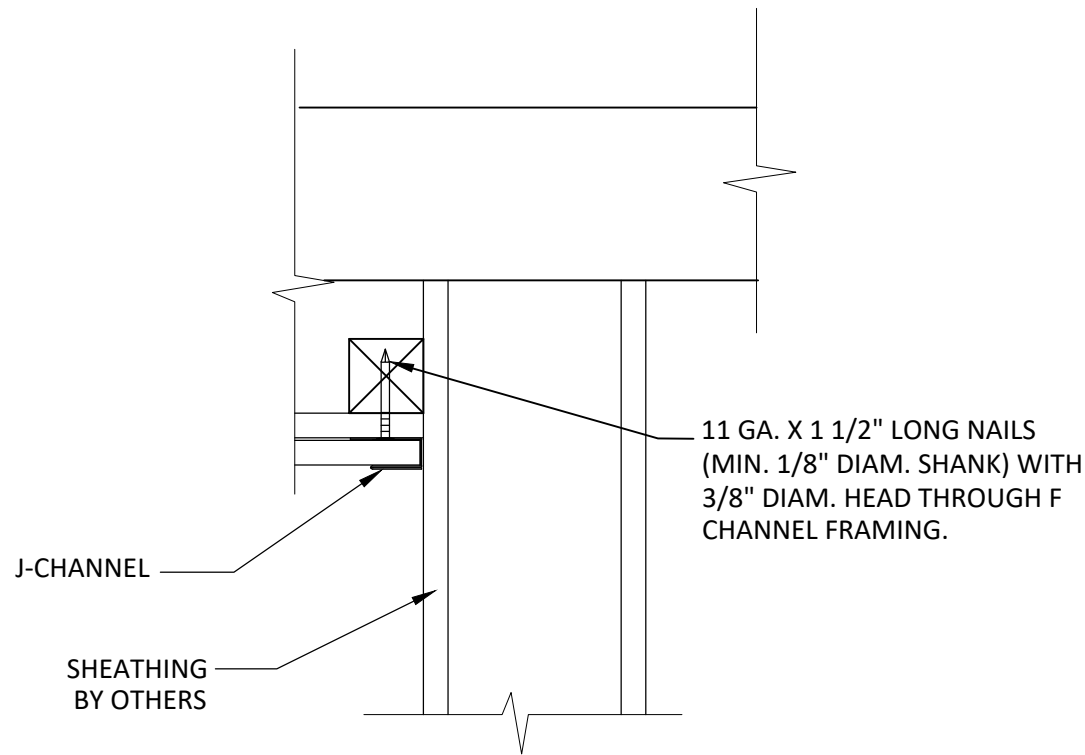
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SCALE: **NTS**

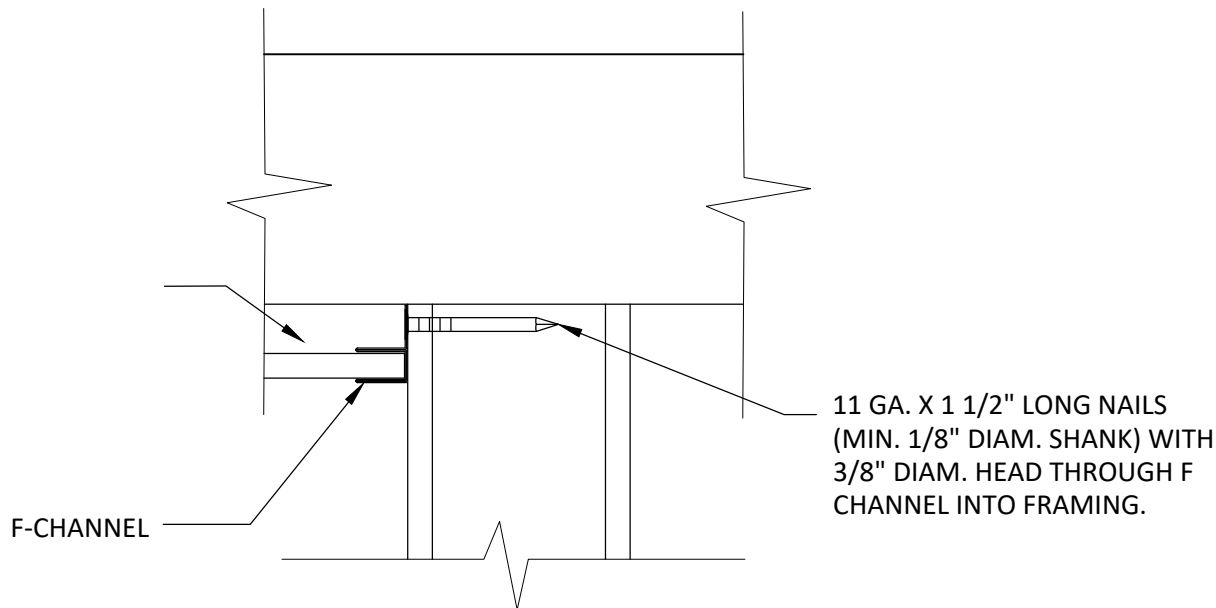
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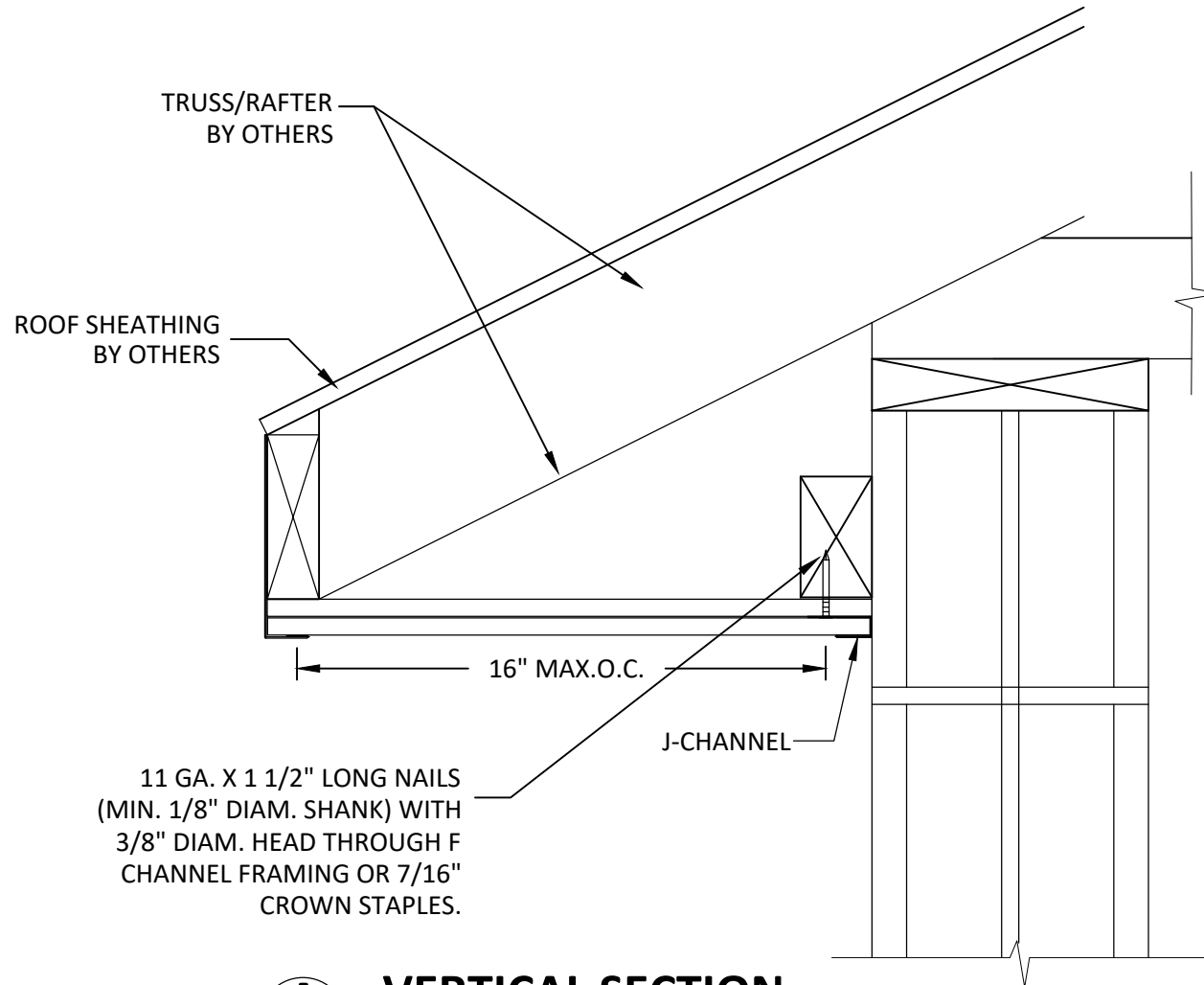
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ALTERNATE WOOD WALL INSTALLATION
FOR ALUMINUM SOFFIT



ALTERNATE WOOD WALL INSTALLATION
FOR ALUMINUM SOFFIT



A
2

VERTICAL SECTION

SOFFIT INSTALLATION DETAIL
ALUMINUM SOFFIT - SINGLE SPAN

Westlake
Royal Building Products™

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INSTALLATION DETAILS

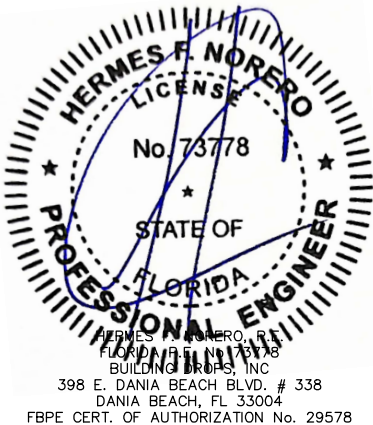
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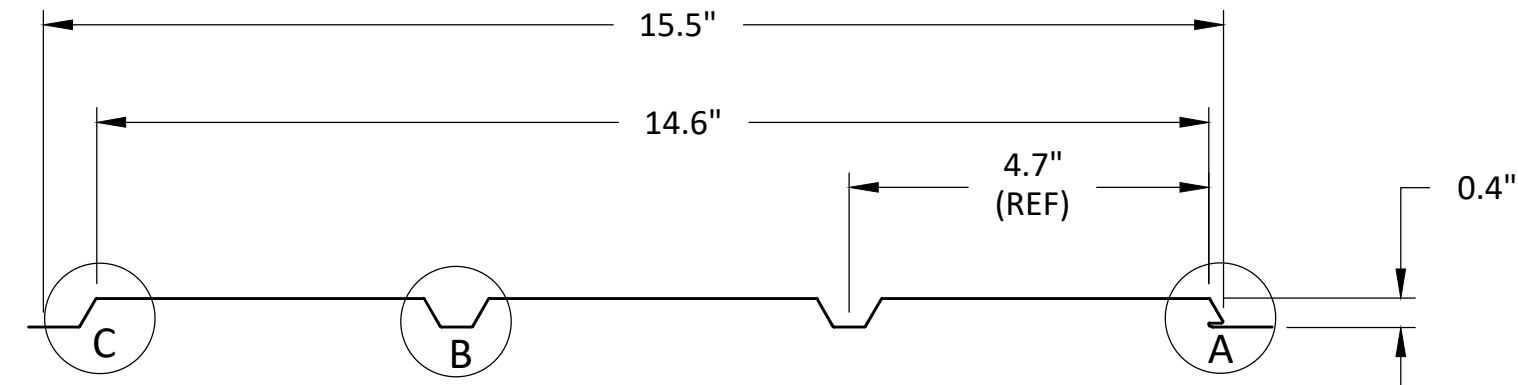
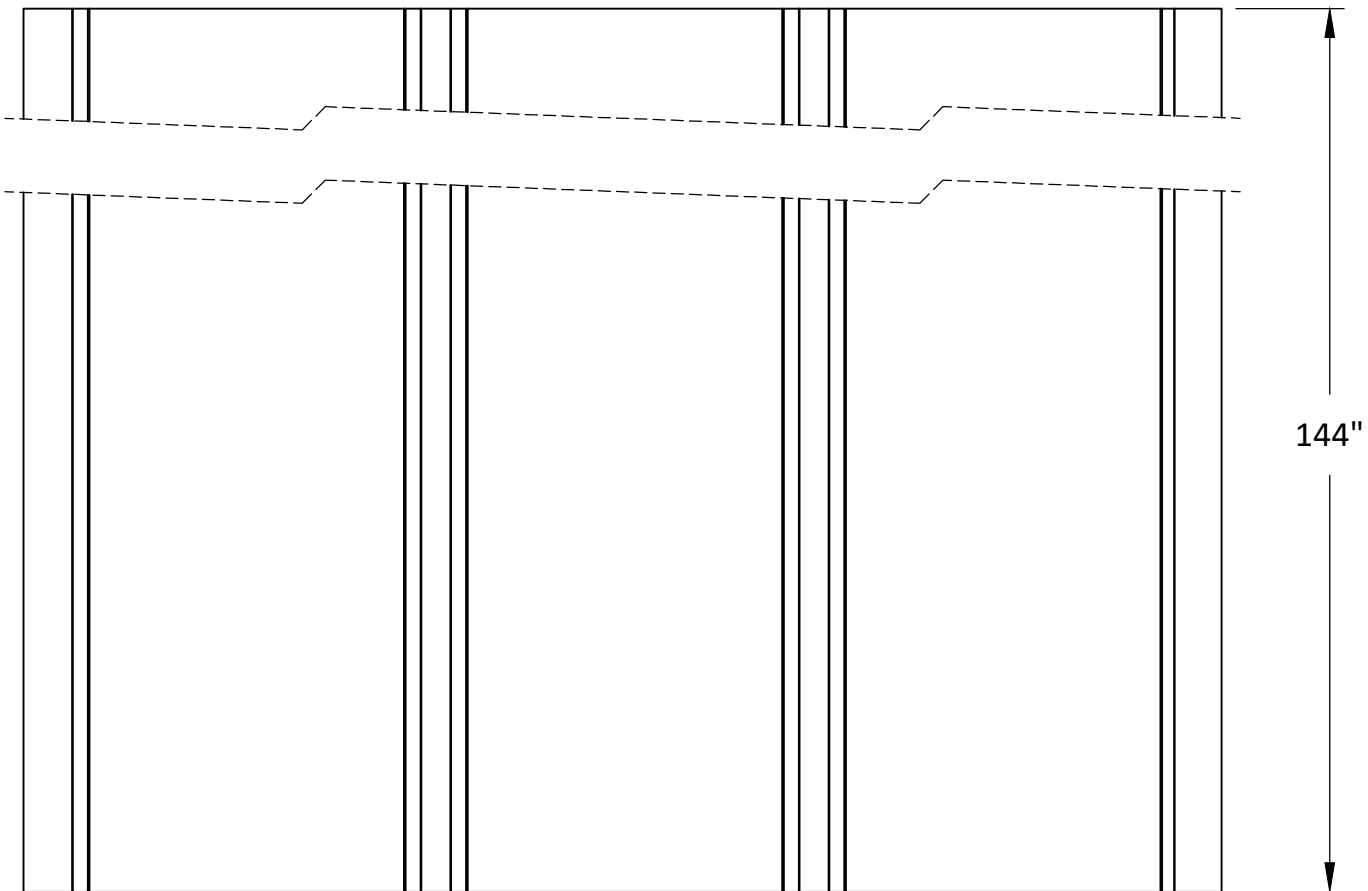
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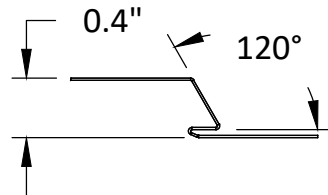
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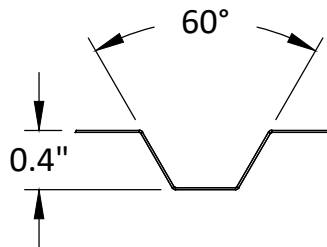
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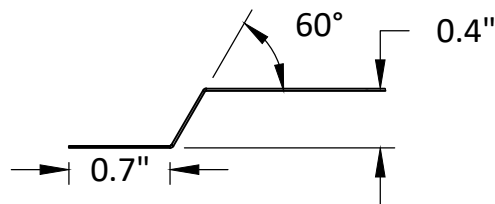
1 ALUMINUM SOFFIT
EXTRUDED ALUMINUM .014" THICK



2 DETAIL A
EXTRUDED ALUMINUM .014" THICK



3 DETAIL B
EXTRUDED ALUMINUM .014" THICK



4 DETAIL C
EXTRUDED ALUMINUM .014" THICK

TITLE:
ALUMINUM SOFFIT PRODUCTS

ALUMINUM SOFFIT DETAILS

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