

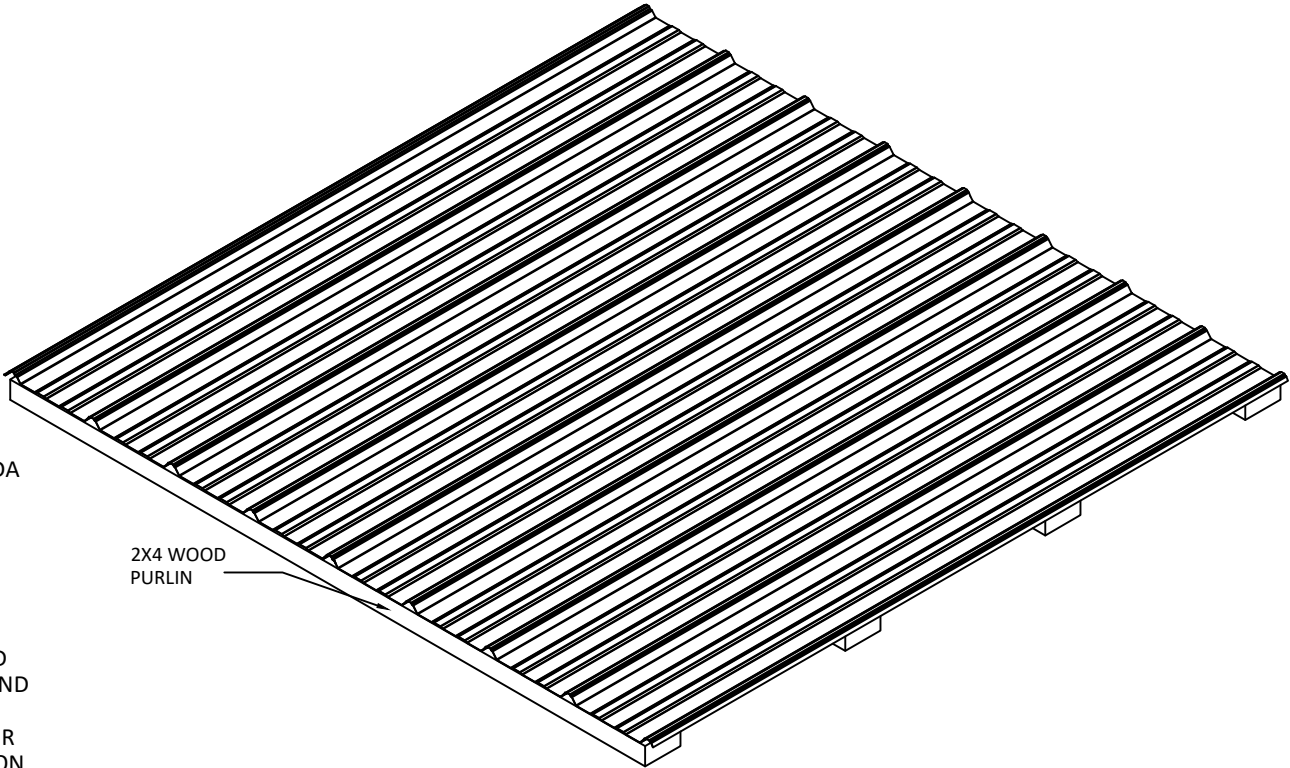
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INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- FOR INSTALLATION INTO WOOD FRAMING USE #9-15 HWH WOOD SCREWS W/ 1/2" O.D. WASHERS OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
- FOR INSTALLATION INTO STEEL FRAMING USE #12-14 HWH TEK SCREWS W/ 1/2" O.D. WASHERS OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM ENGAGEMENT BEYOND STEEL SUBSTRATE.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS 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.
 - STEEL - MINIMUM TENSILE YIELD STRENGTH OF 33 KSI. MINIMUM WALL THICKNESS OF 47.8 MILS (0.0478" or 18 GAUGE).

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - ASTM E1592-05(17)
 - FM 4471-92. SEC. 5.4
- 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 PURLINS (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.
- PANEL MATERIAL: 26 GA. ASTM A792 STEEL W/ AZ55 GALVALUME COATED FINISH, 95.8 KSI MIN. YIELD.



ELEVATION
ISOMETRIC VIEW

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1	INSTALLATION & GENERAL NOTES
2	ELEVATION & ANCHOR LAYOUT
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4	INSTALLATION DETAILS
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AGRI-METAL
SUPPLY, INC.

AGRI-METAL SUPPLY, INC.
232 SE INDUSTRIAL PARK CIRCLE BOX C
MAYO, FL 32006
PH: 386.294.1720 FX: 386.294.1724

TITLE:
TUFF-RIB METAL ROOF DECKING
SYSTEM
INSTALLATION & GENERAL NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
7TH EDITION FBC REV.	ER	10.15.20
FBC CODE CHANGE	FB	08.22.23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.19 17:21:12 -0400

HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL13838

DATE: **10.15.20**

DWG. BY: ER	CHK. BY: SM
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SCALE: **NTS**

DWG. #: **AMS010**

SHEET
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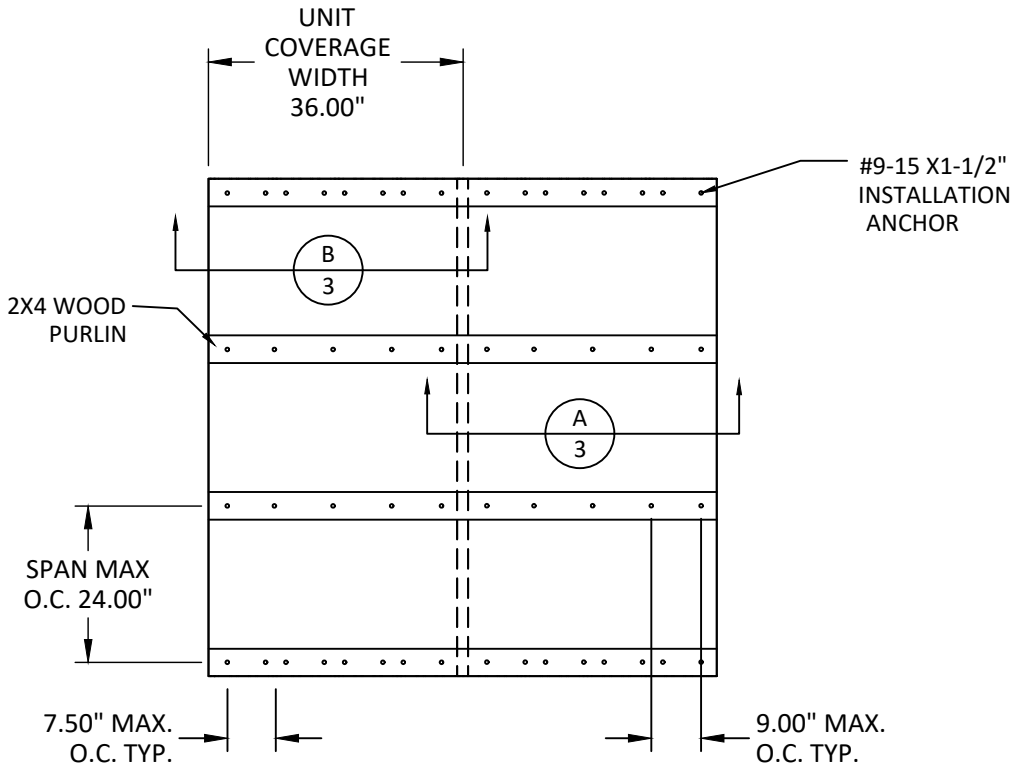
Agri-Metal Supply, Inc. Roofing Panels

- 1) BUILDINGS HAVING A ROOF MEAN HEIGHT ≤ 60 FT.; GABLE OR HIP ROOF (ANGLE 0-45 DEGREE). WIND SPEEDS UP TO 180 MPH, EXPOSURE TYPE: C, RISK CATEGORY II.
- 2) BUILDINGS HAVING A ROOF MEAN HEIGHT ≤ 30 FT.; FLAT ROOF. WIND SPEEDS UP TO 180 MPH, EXPOSURE TYPE: C, RISK CATEGORY II.

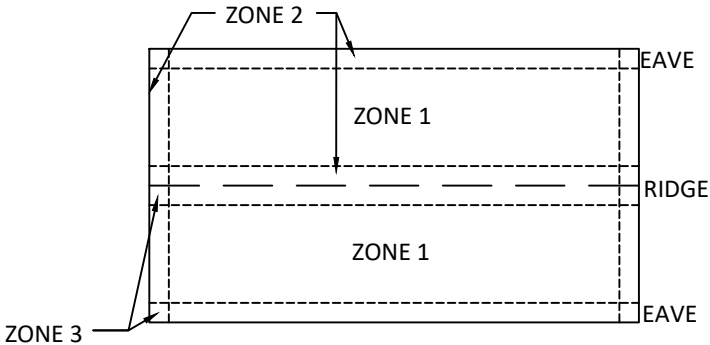
- NOTE:
- 1) BUILDING AND ROOF CONDITIONS BASED ON THE CURRENT FLORIDA BUILDING CODE, ASCE 7-22, MIN. EFFECTIVE AREA > 10 SQ. FT.
- 2) TABLE BELOW APPLIES TO BUILDING AND ROOF CONDITIONS SUCH THAT MAX. DESIGN UPLIFT PRESSURE OF 150 PSF IS NOT EXCEEDED.
- 3) DESIGN UPLIFT PRESSURE MULITPIED BY 0.6 FOR ASD ANALYSIS METHOD PER CHAPTER 16, OF THE CURRENT FBC.

			ULTIMATE WIND SPEED ZONE				
			140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
ROOF ZONE	FASTENER	ATTACHING TO:	O.C. SPACING	O.C. SPACING	O.C. SPACING	O.C. SPACING	O.C. SPACING
ZONE 1	WOOD: #9-15 X 1-1/2"	2X4 WOOD PURLIN	24"	24"	24"	24"	24"
		STEEL OPEN	24"	24"	24"	24"	24"
ZONE 2	STEEL: #12-14 HWH TEK SCREW	2X4 WOOD PURLIN	24"	24"	24"	24"	24"
		STEEL OPEN	24"	24"	24"	24"	24"
ZONE 3		2X4 WOOD PURLIN	24"	24"	24"	24"	24"
		STEEL OPEN	24"	24"	24"	24"	24"

- 1) PANEL DESCRIPTION: AGRI-METAL 26 GA. 3/4" TALL RIB, 36" WIDTH
- 2) PANEL FASTENER: WOOD: #9-15 X 1-1/2" HWH W/ 1/2" O.D. WASHER
STEEL: #12-14 HWH TEK SCREW W/ 1/2" O.D. WASHER
- 3) AT EAVE AND RIDGE SUPPORTS: FASTENERS ARE NEEDED ON THE FLAT AT EITHER SIDE OF RIB.
- 4) AT INTERIOR SUPPORTS: ONE FASTENER NEEDED IN THE FLAT ADJACENT TO EACH RIB.
- 5) A MAXIMUM 3" OVERHANG IS REQUIRED TO PROVIDE A DRIP EDGE. IF GUTTER IS USED ONLY 1" REQUIRED USING INNER CLOSURE TO SEAL OPEN PANEL RIB.
- 6) PANEL ROLLFORMER: ASC MACHINE TOOLS, INC.
- 7) FOR WIND SPEEDS LESS THAN 140 MPH PURLIN SPACING LIMITED TO 24" O.C.
- 8) MAX. DESIGN UPLIFT PRESSURE = 150 PSF



ELEVATION & ANCHOR LAYOUT



ROOF PLAN & WIND ZONES

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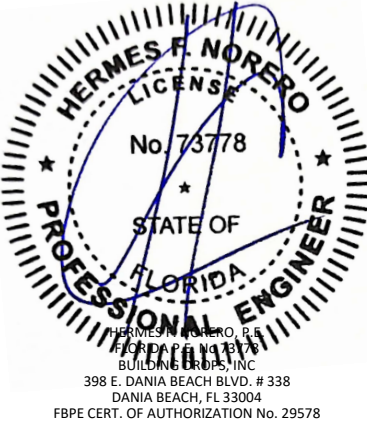
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ELEVATION & ANCHOR LAYOUT

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
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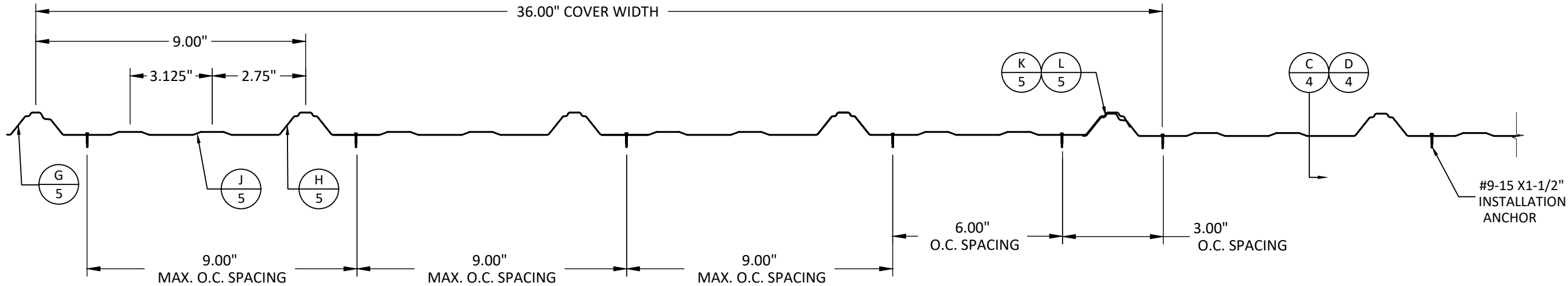
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DWG. #: AMS010

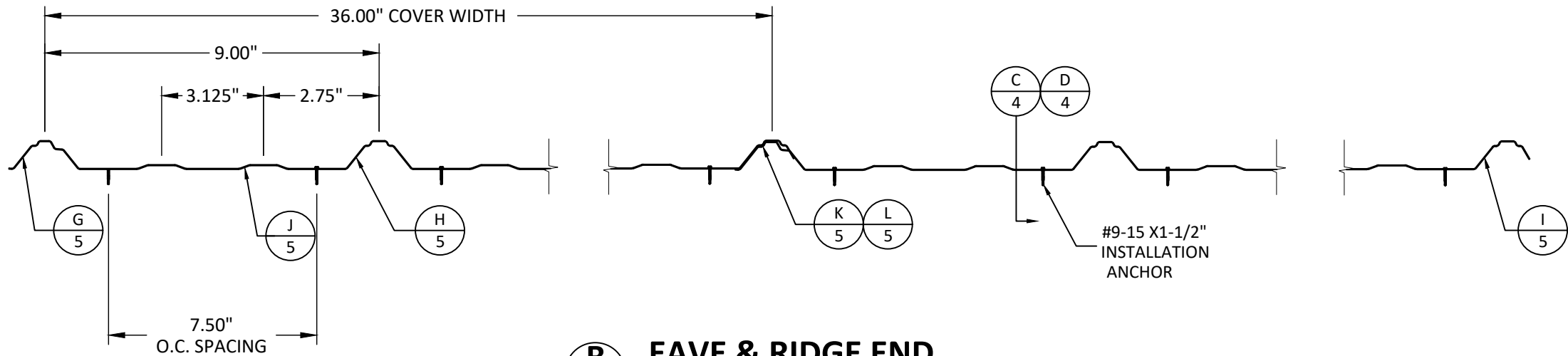
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A
3 **INTERIOR PANEL**
CROSS SECTION



B
3 **EAVE & RIDGE END**
CROSS SECTION

**AGRI-METAL
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TITLE:
**TUFF-RIB METAL ROOF DECKING
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CROSS SECTIONS**

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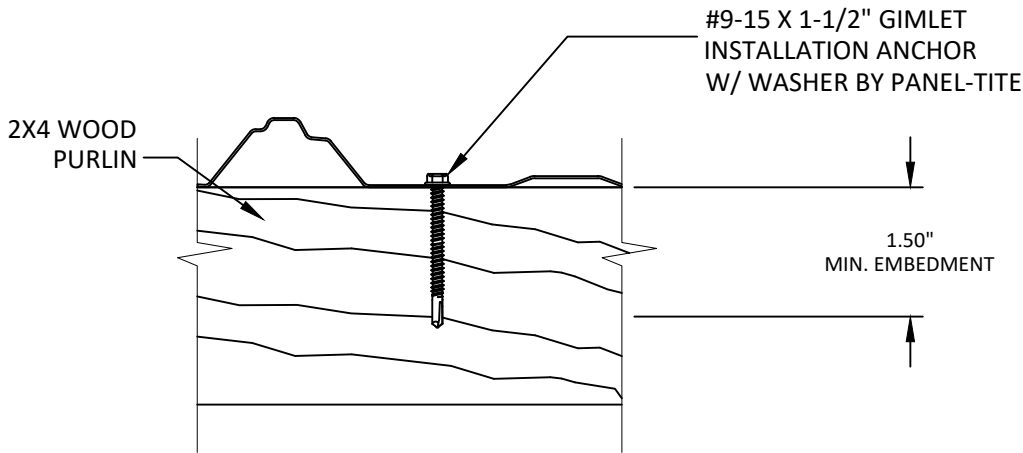
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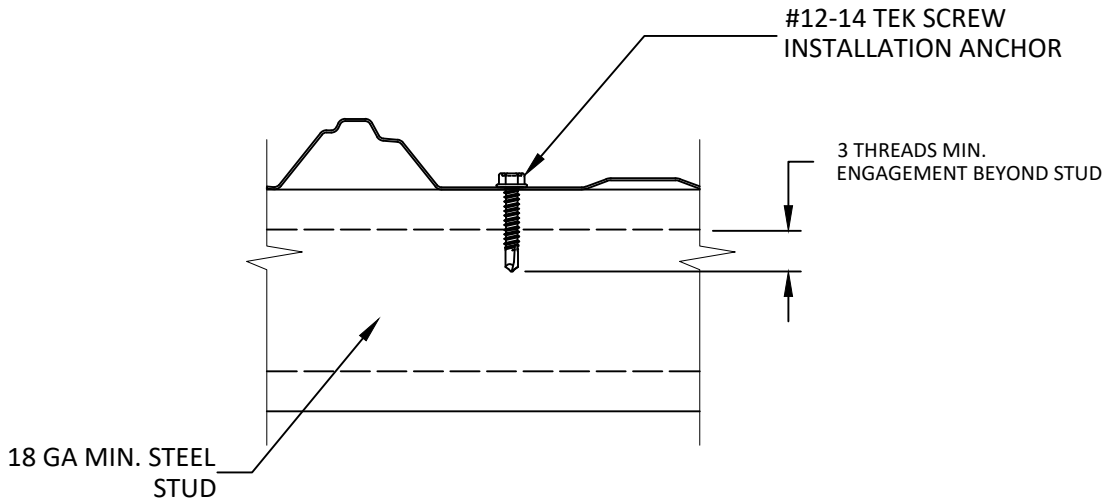


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DWG. #:	AMS010
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C
4 **HORIZONTAL SECTION**
2X WOOD PURLIN



D
4 **HORIZONTAL SECTION**
STEEL STUD

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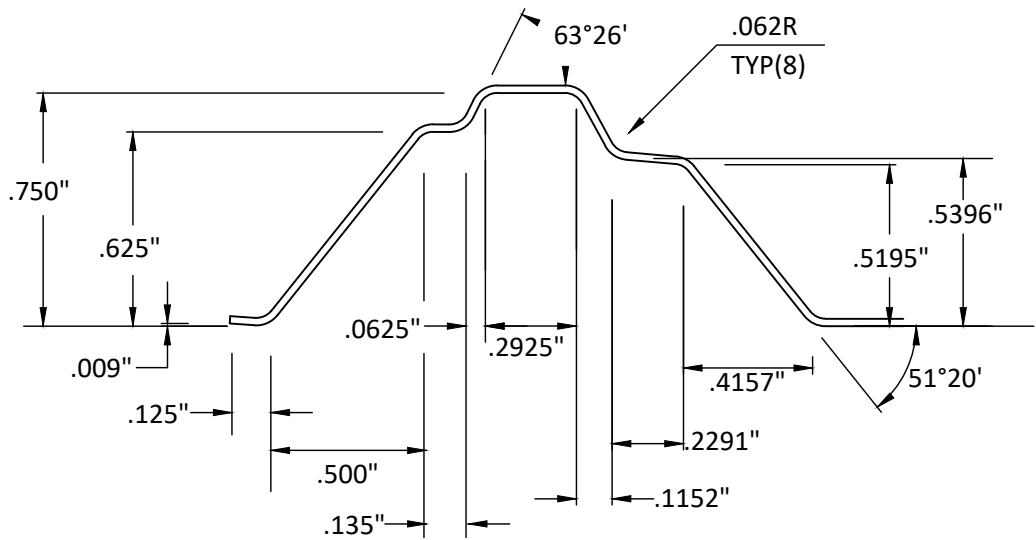
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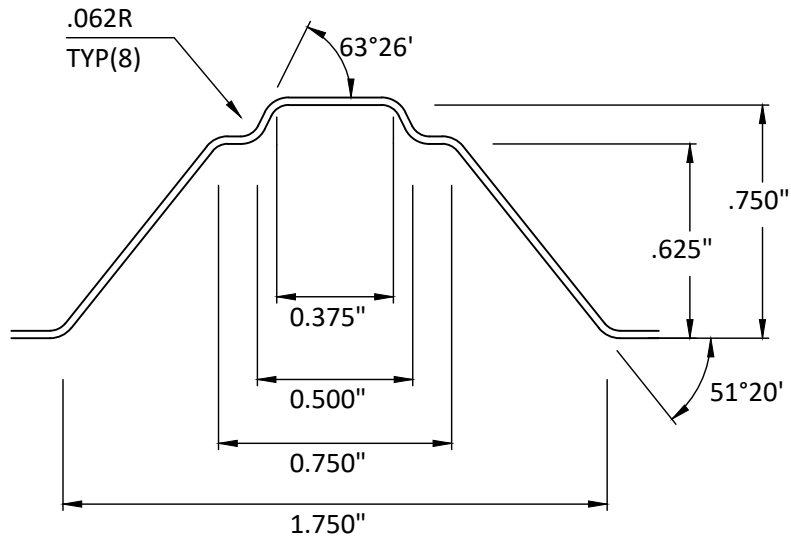
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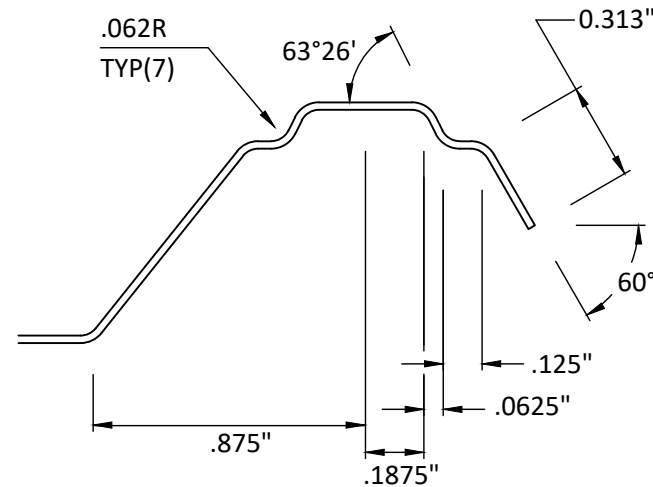
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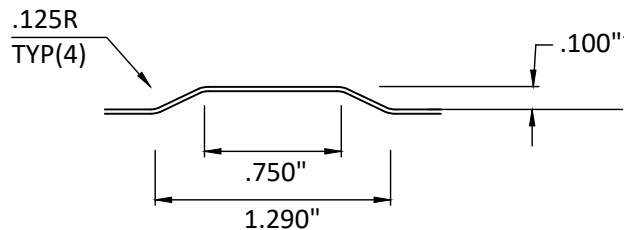
G
5 **UNDERLAP DETAIL**



H
5 **TYPICAL MAJOR RIB**
3 PLACES



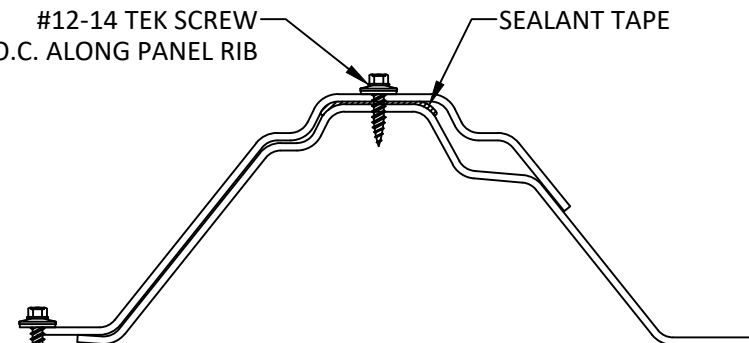
I
5 **OVERLAP DETAIL**



J
5 **TYPICAL MINOR BEAD**
8 PLACES



K
5 **LAP DETAIL 1**
STANDARD INSTALLATION



L
5 **LAP DETAIL 2**
ALTERNATE INSTALLATION
3:12 SLOPE OR LESS

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