

# Agri-Metal Supply, Inc.

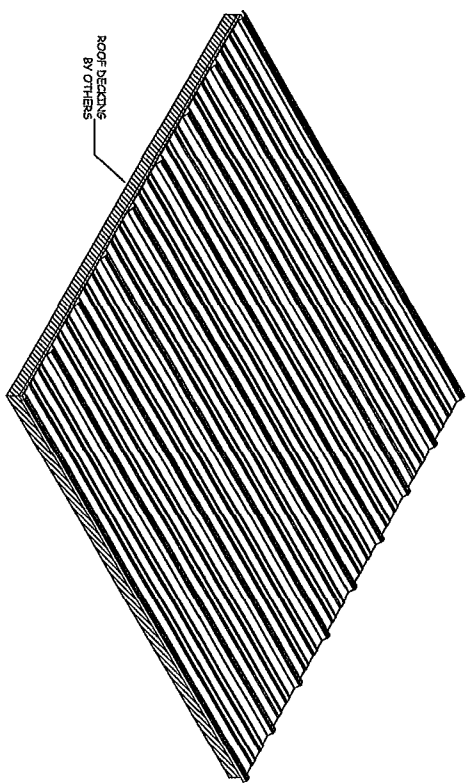
## 26 Ga. R Panel Metal Roofing System

### 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  $\pm 1/2$  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 OPEN FRAMING, 1X WOOD BATTEN, OR SHINGLES WITHOUT 1X BATTEN USE #8-15 HWH WOOD SCREWS W/ 1/2" O.D. WASHERS OF SUFFICIENT LENGTH TO ACHIEVE 1/4 INCH MINIMUM PENETRATION BEYOND WOOD 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:  
A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

### GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2007 & 2010 FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - ASTM E1592-01
  - FM 4471, SEC 5.4
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, DECKING, 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 A293 STEEL W/ AZ55 GALVALUME COATED FINISH, 112.2 KSI MIN. YIELD.



### ELEVATION ISOMETRIC VIEW

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Alex Spyrou  
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approving this  
document  
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AGRI-METAL  
SUPPLY, INC.

232 SE INDUSTRIAL PARK CIRCLE BOX C  
MAYO, FL 32006  
PH: 386.294.1720 FX: 386.294.1724

TITLE:  
26 GA R PANEL ROOFING  
INSTALLATION &  
GENERAL NOTES

PREPARED BY:  
BUILDING DROPS  
127 W FAIRBANKS AVE, STE 438  
WINTER PARK, FL 32789  
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS

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DWG #:  
AMS007

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1 OF 5

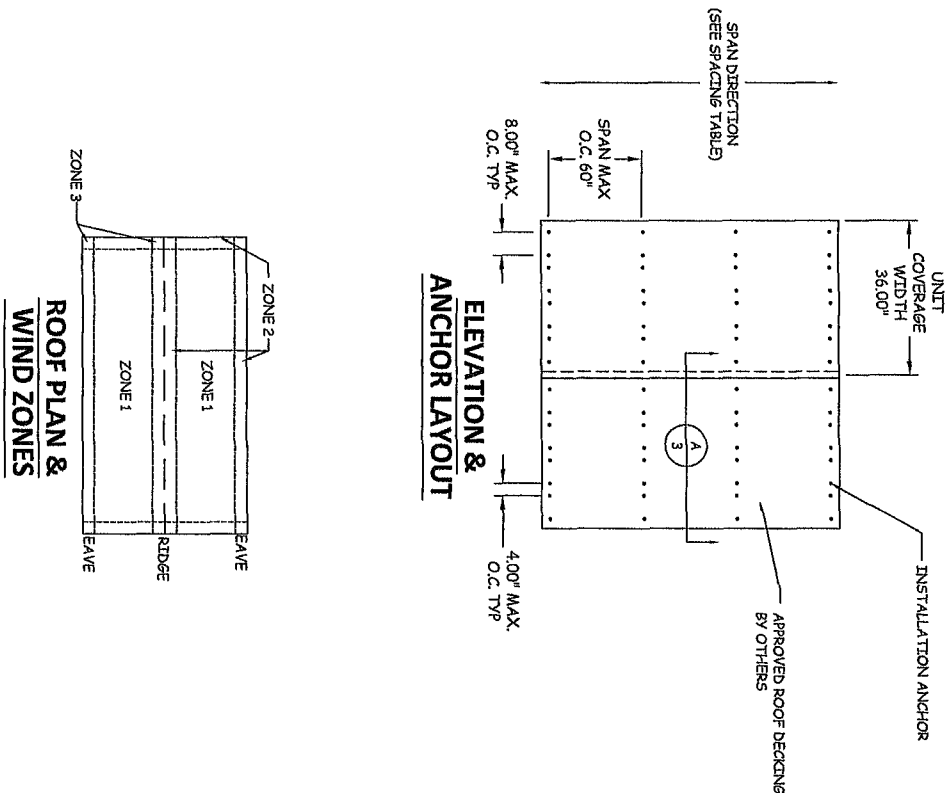
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HFN

SCALE:  
NTS

ALEXIS SPYROU  
LICENSED PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
No. 10001  
Exp. 12/31/2011



# Agri-Metal Supply, Inc. Roofing Panels

TABLE BELOW APPLIES TO THE FOLLOWING SITE CONDITIONS

- BUILDINGS HAVING A ROOF MEAN HEIGHT < 60 FT., ROOF SLOPE FROM 0 TO 45 DEGREES, WIND SPEEDS UP TO 150 MPH, EXPOSURE TYPE C, I = 10
  - BUILDINGS HAVING A ROOF MEAN HEIGHT < 35 FT ROOF SLOPE FROM 0 TO 45 DEGREES, WIND SPEEDS UP TO 150 MPH, EXPOSURE TYPE C, I = 10
- NOTE: 1) BUILDING AND ROOF CONDITIONS BASED ON FLORIDA BUILDING, ASCE 7-05 FTS 6-2 & FTS 6-3 MIN. EFFECTIVE AREA > 10 SQ. FT
- 2) TABLE BELOW APPLIES TO BUILDING AND ROOF CONDITIONS SUCH THAT MAX. DESIGN UPLIFT PRESSURE IS NOT EXCEEDED.

FASTENER	WOOD	FASTENER	WIND SPEED ZONE					
			110 MPH	120 MPH	130 MPH	140 MPH	150 MPH	
WOOD	#9-15 X 1-1/2"	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7
WOOD	#9-15 X 1-1/2"	1X4 WOOD BATTEN	1X4 WOOD BATTEN	1X4 WOOD BATTEN	1X4 WOOD BATTEN	1X4 WOOD BATTEN	1X4 WOOD BATTEN	1X4 WOOD BATTEN
WOOD	#9-15 X 1-1/2"	30"	30"	30"	30"	30"	30"	30"
WOOD	#9-15 X 1-1/2"	24"	24"	24"	24"	24"	24"	24"
WOOD	#9-15 X 1-1/2"	18"	18"	18"	18"	18"	18"	18"
WOOD	#9-15 X 1-1/2"	16"	16"	16"	16"	16"	16"	16"
WOOD	#9-15 X 1-1/2"	14"	14"	14"	14"	14"	14"	14"
WOOD	#9-15 X 1-1/2"	12"	12"	12"	12"	12"	12"	12"
WOOD	#9-15 X 1-1/2"	10"	10"	10"	10"	10"	10"	10"
WOOD	#9-15 X 1-1/2"	8"	8"	8"	8"	8"	8"	8"
WOOD	#9-15 X 1-1/2"	6"	6"	6"	6"	6"	6"	6"
WOOD	#9-15 X 1-1/2"	4"	4"	4"	4"	4"	4"	4"
WOOD	#9-15 X 1-1/2"	3"	3"	3"	3"	3"	3"	3"
WOOD	#9-15 X 1-1/2"	2"	2"	2"	2"	2"	2"	2"
WOOD	#9-15 X 1-1/2"	1"	1"	1"	1"	1"	1"	1"
WOOD	#9-15 X 1-1/2"	0"	0"	0"	0"	0"	0"	0"

- PANEL DESCRIPTION: AGRI-METAL 26 GA. R PANEL, 1-1/4" TALL RTB, 36" WIDTH
- PANEL FASTENER: WOOD: #9-15 X 1-1/2" HW/H W/ 1/2" O.D. WASHER
- A MAXIMUM 3" OVERHANG IS REQUIRED TO PROVIDE A DRIP EDGE. IF BUTTER IS USED ONLY "I" REQUIRED USING INNER CLOSURE TO SEAL OPEN PANEL RTB.
- PANEL ROLLFORMER: ASC MACHINE TOOLS, INC.
- MAXIMUM ANCHOR SPACING SHALL NOT EXCEED 60" O.C.
- THE DESIGN PROFESSIONAL SHALL DETERMINE SITE CONDITIONS AND SELECT APPROPRIATE FASTENER ATTACHMENT BASED ON TABLE ABOVE OR SUCH THAT MAXIMUM DESIGN UPLIFT PRESSURES ARE NOT EXCEEDED.
- MAX DESIGN UPLIFT PRESSURES BASED ON ANCHOR SPACING:
  - 60" O.C. SPACING UPLIFT DP = 51.9 PSF
  - 30" O.C. SPACING UPLIFT DP = 89.6 PSF
  - 24" O.C. SPACING UPLIFT DP = 112 PSF
  - 18" O.C. SPACING UPLIFT DP = 149.3 PSF
  - 16" O.C. SPACING UPLIFT DP = 168 PSF

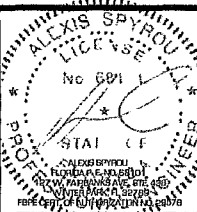
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TITLE:  
26 GA R PANEL ROOFING  
ELEVATION &  
ANCHOR LAYOUT

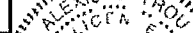

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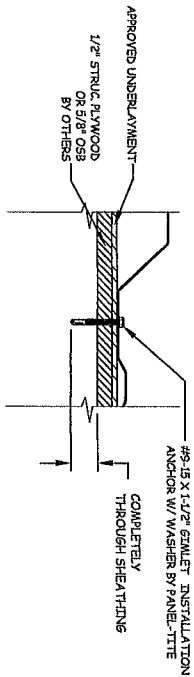
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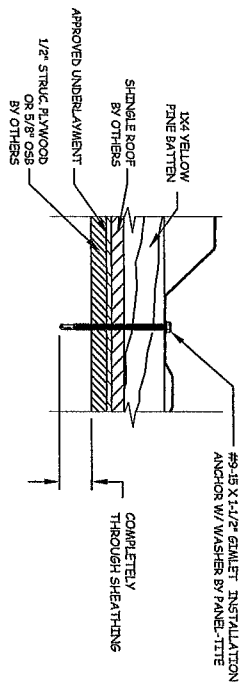
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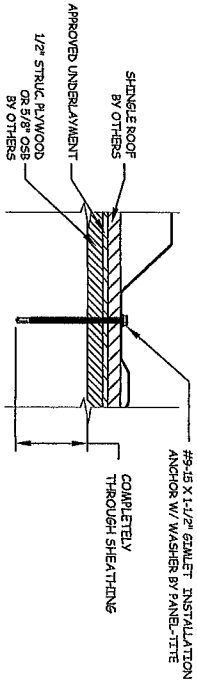
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	DWN BY: MSS CHK BY: HFN SCALE: NTS		NO	DESCRIPTION	BY	DATE	<b>PREPARED BY:</b>  <b>BUILDING DROPS</b> 127 W FAIRBANKS AVE., STE 438 WINTER PARK, FL 32789 PH: (407) 644-6957 FX: (407) 644-2366	
SHEET: 3 OF 5	AGRI-METAL SUPPLY, INC. 4502-METAL SUPPLY INC. 2325 SE INDUSTRIAL PARK CIRCLE BOCA RATON, FL 33008 PH: (561) 993-1170 FX: (561) 993-1174							



**C**  
**4**  
**HORIZONTAL SECTION**  
OPEN FRAMING



**D**  
**4**  
**HORIZONTAL SECTION**  
1X WOOD BUCK ON SHINGLE ROOF



**E**  
**4**  
**HORIZONTAL SECTION**  
SHINGLE ROOF

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TITLE:  
26 GA. R PANEL ROOFING  
INSTALLATION DETAILS

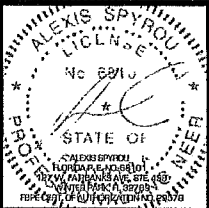
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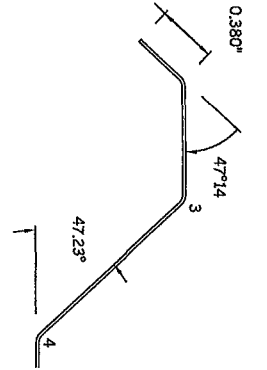
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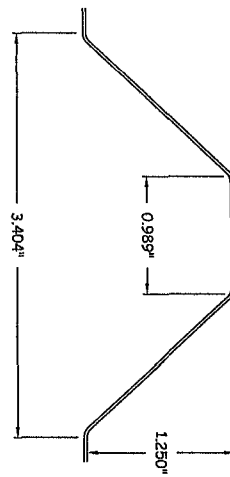
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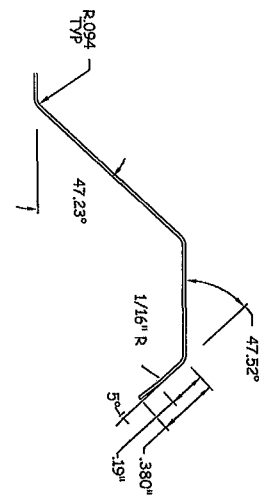




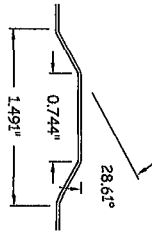
**G**  
INBOARD DETAIL  
TYPICAL



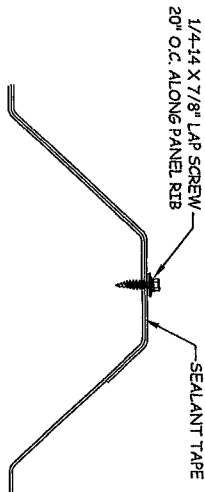
**H**  
INTERIOR MAJOR RIB  
TYPICAL



**I**  
OVERLAP DETAIL  
TYPICAL



**J**  
TYPICAL MINOR BEAD  
TYPICAL



**K**  
LAP DETAIL 1  
STANDARD INSTALLATION

# REVISIONS

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TITLE:  
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SECTION DETAILS

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