



METAL ROOFING

S y s t e m s , I n c

Faster. Smarter. Better. Period.



Saint Rose Of Lima Catholic Church- Marian Center

Murfreesboro, TN

TABLE OF CONTENTS

01	COVER SHEET
02	PRODUCT DATA
03	INSTALLATION GUIDE
04	ROOF PLAN
05	DETAILS

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Roofing Contractor:

RSI ROOF SYSTEMS INC

METAL ROOFING
S y s t e m s , I n c

7687 Micon Drive
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(704) 820-3110
(704) 820-0113 (fax)

Job #:	CRF
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Murfreesboro, TN

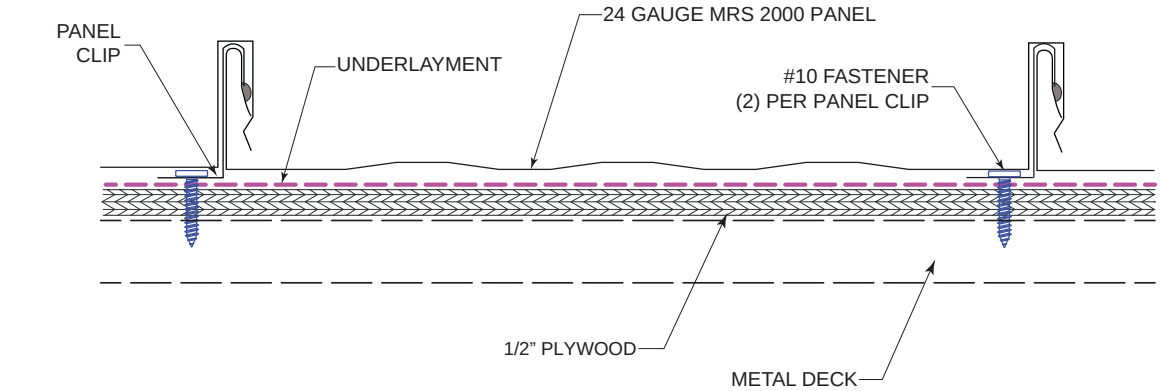
Drawing Title:
COVER SHEET

SHEET:

01

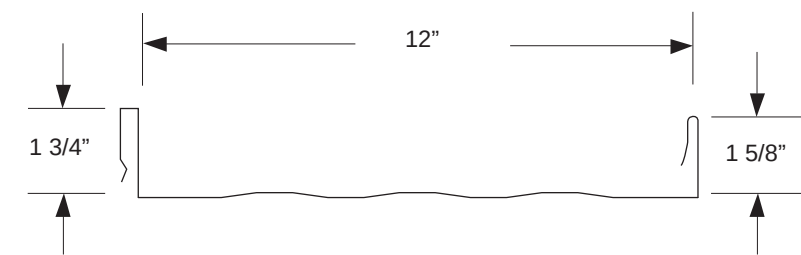
OF: 05

Metal Roof System



SYSTEM: MRS S-2000 PANEL
MATERIAL: 24 GA. GALVALUME
COLOR: STANDARD

Roof Panel Profile



SYSTEM: MRS S-2000 PANEL
MATERIAL: 24 GA. GALVALUME
COLOR: STANDARD

Butyl Tape

COLOR OF BUTYL TAPE TO BE GRAY

TYPICAL PROPERTIES			SPECIFICATION COMPLIANCE:
Property	Typical Values	Test Method	
Specific Gravity	1.47	ASTM D 792	Federal Specification TT-C-1796A, Type II, Class B USDA Acceptable UL Approval for SMS227 has been granted on sizes up to and including 1/2" width x 1/2" thick
Density	13.54 Lbs./Gal. 1.07 kg./liter	SM Lab Test	
Percent Solids	100%	SM Lab Test	
Tensile Adhesion			AAMA 808
PW (N/mm ²) / % Cohesive			
Galvalume	16 (2.8) / 100		
Anodized Aluminum	16 (2.8) / 100		
Mil Finish Aluminum	16 (2.8) / 100		
Polyvinylidene Fluoride	17 (2.8) / 100		
PVC Plastisol	17 (2.8) / 100		
Polyester	16 (2.8) / 100		
Siliconized Polyester	16 (2.8) / 100		
Tensile Adhesive Strength			ASTM C 907
PSI (kPa) / % Cohesive			
Separation			
Yield Strength PSI (kPa)	8 (55)	ASTM C 908	
% Elongation	>100%	ASTM C 908	
Slag	None	AAMA 800	
Vehicle Migration	Pass, <1/16" (<1.7mm)	AAMA 800	
Water Resistance	No Effects	AAMA 800	
Hardness (Shore D)	50-60	AAMA 800	
Crazing to Acrylic plastics	None	MIL-S-11030C	
Cone Penetration (0.1mm) @77°F (25°C)	85-100	ASTM D 217	
@120°F (48.8°C)	125-135	300 g cone (5 Sec)	
@200°F (93.3°C)	45-55		
Application Temperature Range	-2°F to 120°F (-20°C to 48°C)	SM Lab Test	
Service Temperature Range	-40°F to 200°F (-40°C to 93°C)	SM Lab Test	
Color	Gray	Visual SM Test	
Weatherability QUV, 340A lamp 1000 hrs	Excellent, no cracking, chalking, wash-off or flow (pass)	SM Lab Test	
5" Static Water Pressure	Pass - No Leakage	ASTM Proposed Test Method	
Water Penetration	Pass - No Leakage	ASTM E 1548	
Air Leakage At 1.57 PSF	0.063 CFM/FT ²	ASTM E 1550	
At 6.24 PSF	0.068 CFM/FT ²		
	0.1024 CFM/FT ²		
	0.1385 CFM/FT ²		
Shelf Life	100°F (38°C)		



Titebond Sealant

Meets or exceeds the requirements of:
Passes ASTM C920, Type S, Grade NS, Class 50, Use NT, M, T, G and A
ASTM C510, ASTM C639, ASTM C661, ASTM C679, ASTM C717, ASTM C719, ASTM C793, ASTM C794, ASTM C1183, ASTM C1193, ASTM C1246, ASTM D412, ASTM D624 and ASTM G155.
Passes Federal Specification TT-S-00230C, Type II, Class A
Passes CAN/CGSB-19 13-M87, Classification MCG-2-25-A-N, No.81026
AAMA 808.3-92 Exterior Perimeter and AAMA 802.3-92 Type II Back-Bedding Compound and
USDA approved for use in meat and poultry areas

Physical Properties

Type: Advanced polymer (reactive)
State: Medium-viscosity caulk
Color: Over 50 colors
Solids: 99%
Viscosity: 500,000
Calculated VOC (less water): 9 g/L (<2% wt.)
Weight/gallon: 13.85 lbs.
Flashpoint: > 200°F.
Freeze/thaw stability: Stable
Storage life: More than 12 months in tightly closed containers @ 75°F (24°C)

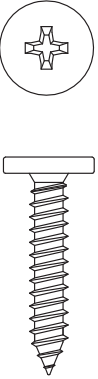
Coverage (maximum): Approximate length of bead according to bead diameter:
Container
10.1 oz. Cartridge
20 oz. Sausage Pack
1/4" bead
31 ft.
61 ft.
3/8" bead
13.5 ft.
27 ft.
1/2" bead
7.5 ft.
15 ft.



Panel Fasteners

#10 Type A: Pancake Head Phillips Drive Stainless Steel Metal to wood

Head Height: .080 – .068
Head Dia: .447 – .423
Thread Major Dia: .194 – .188
Thread Minor Dia: .133 – .126
Strength (lbs ult.): Stainless
Tensile: 1653
Torsional: 50 in-lbs
Shear: 1587
#10 Type A, Pull-out (lbs ult.):
SPF wood:
1" penetration: 821



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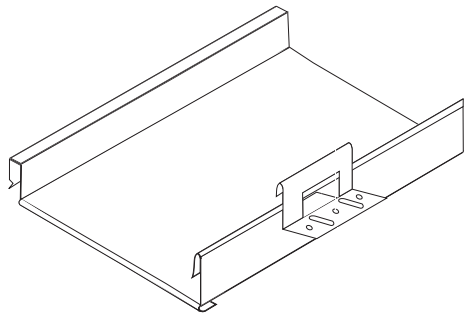
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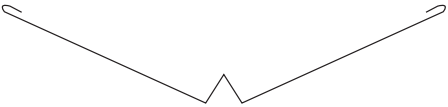
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Murfreesboro, TN
Drawing Title: PRODUCT DATA

Roof Installation Videos

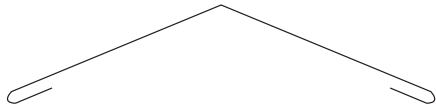
SCAN CODES TO VIEW INSTALLATION VIDEOS



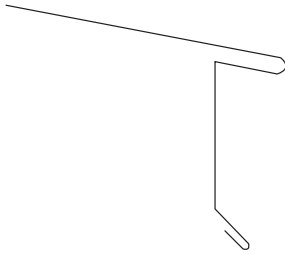
PANEL INSTALLATION



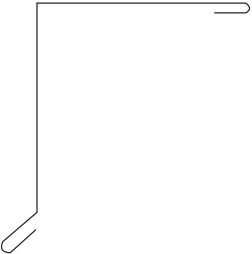
VALLEY INSTALLATION



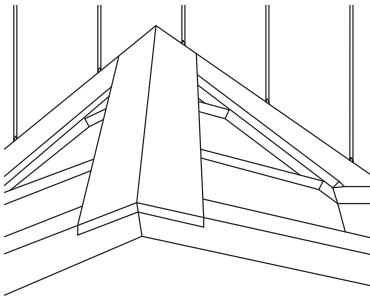
RIDGE INSTALLATION



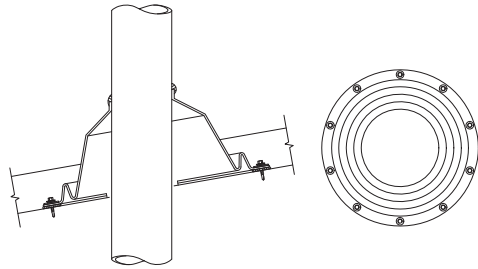
DRIP EDGE INSTALLATION



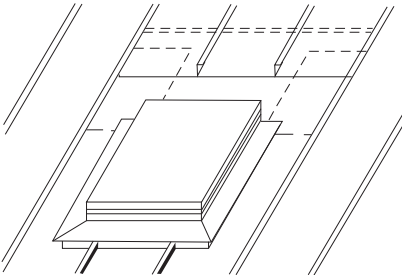
RAKE INSTALLATION



RIDGE TO VALLEY INST.



PIPE BOOT INSTALLATION



CURB INSTALLATION

FLASHING INSTALLATION

QR CODE VIDEOS

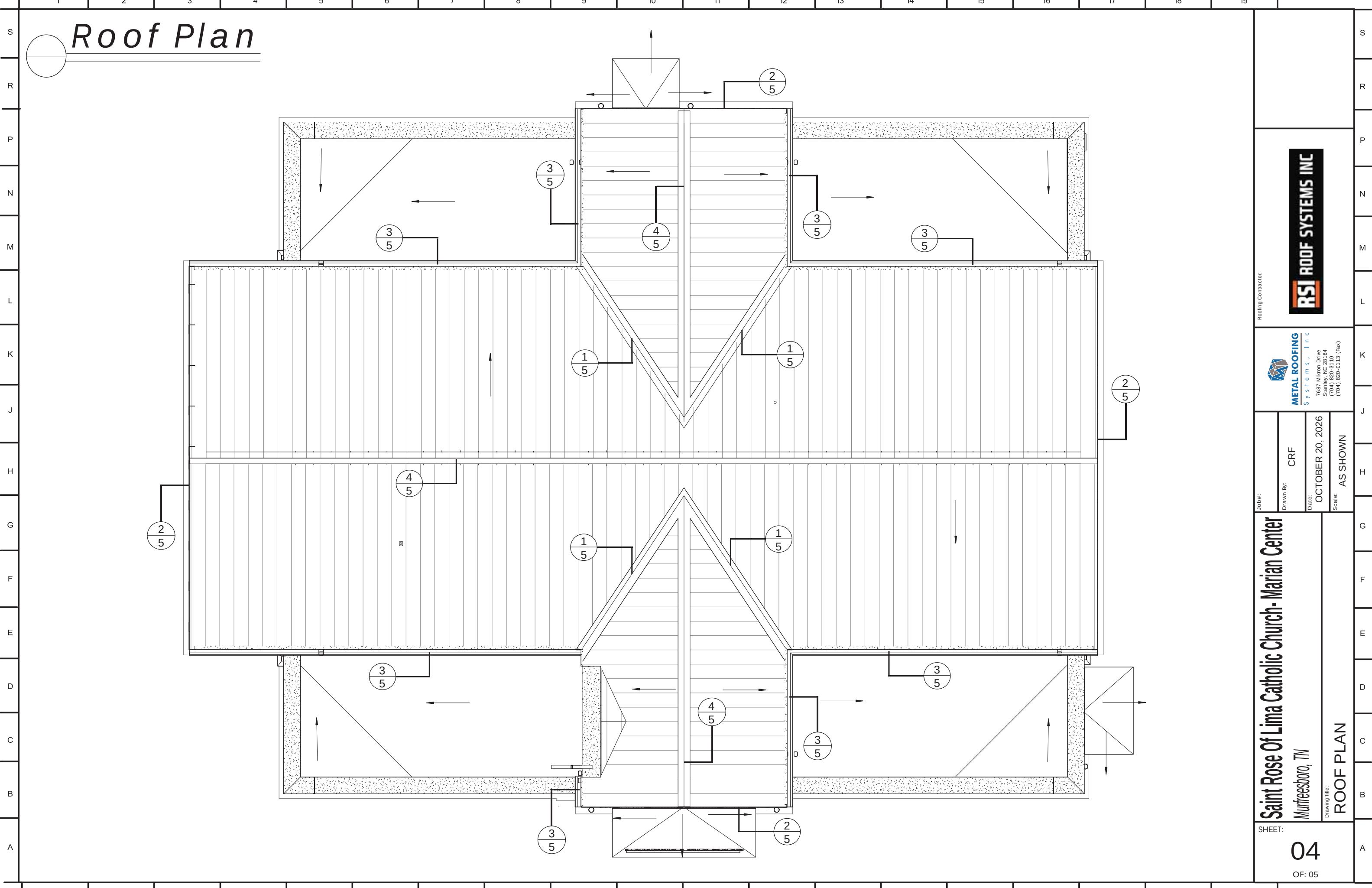
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INSTALLATION GUIDE



Roof Plan

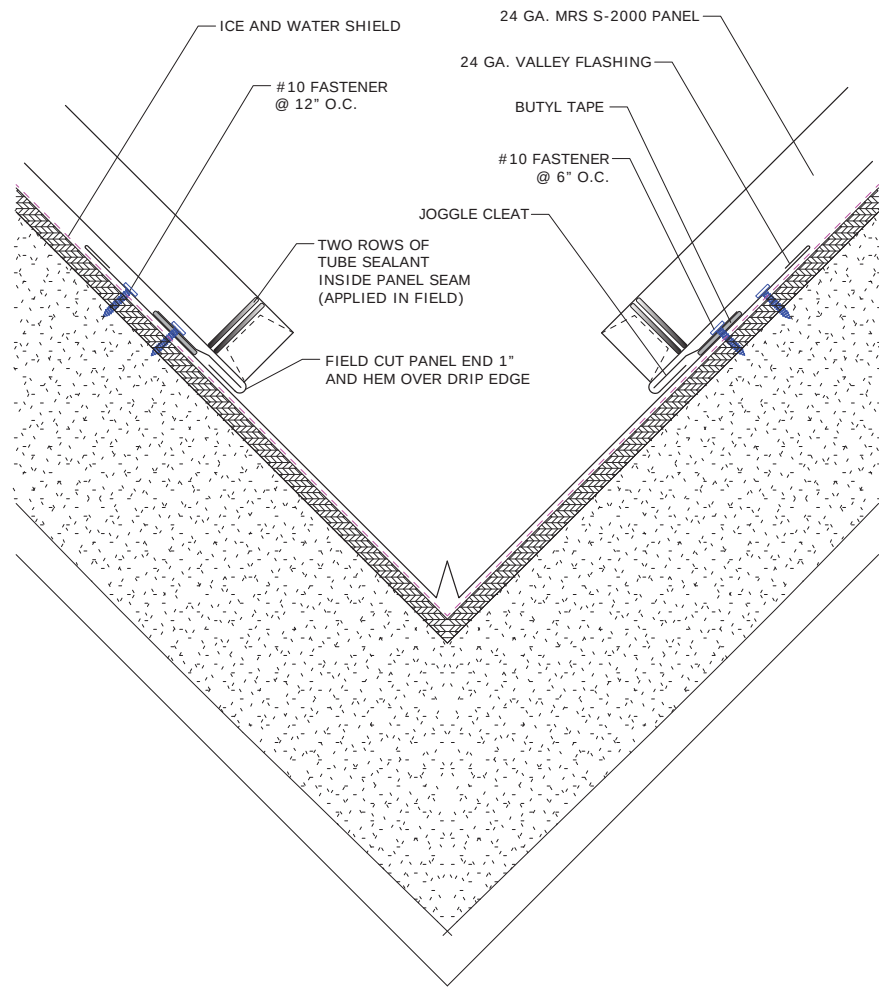


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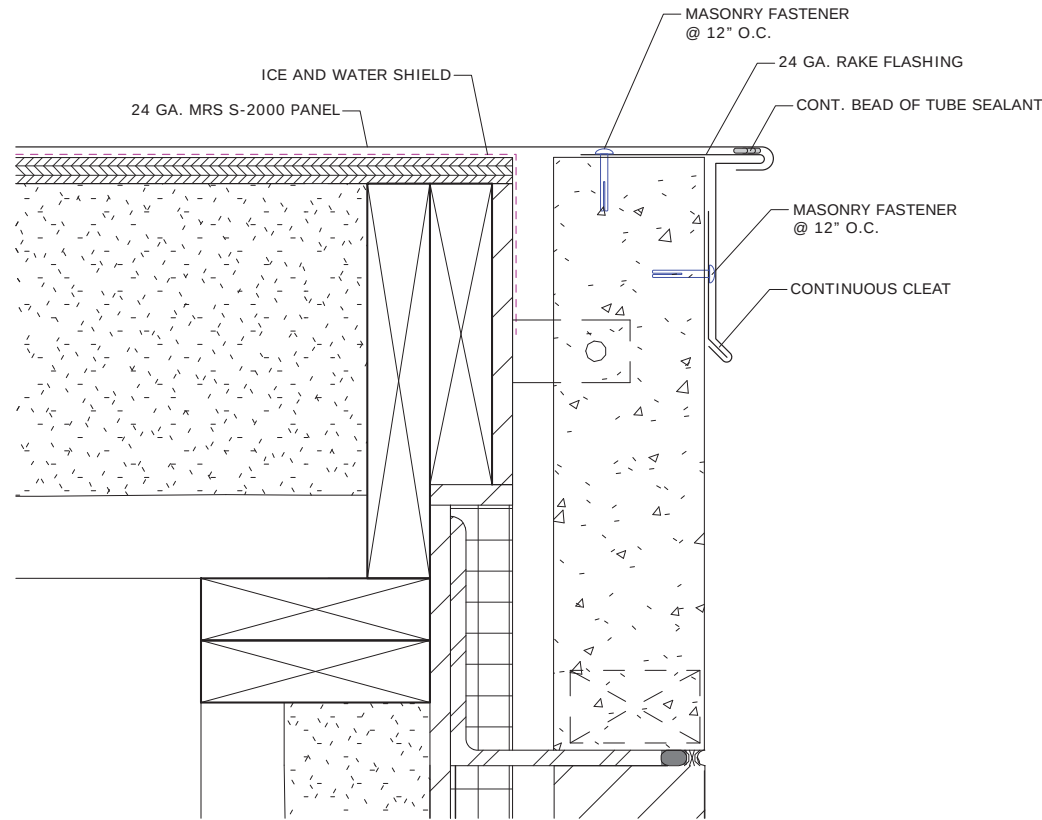
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Saint Rose Of Lima Catholic Church - Marian Center Murfreesboro, TN	ROOF PLAN
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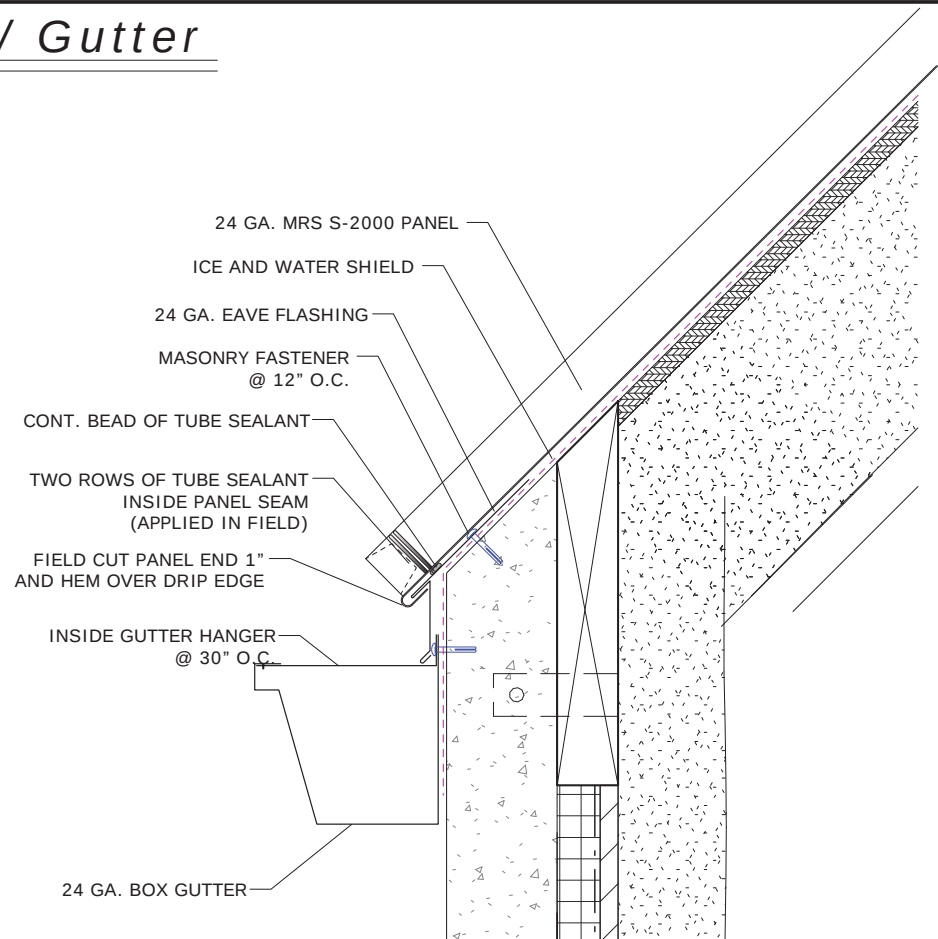
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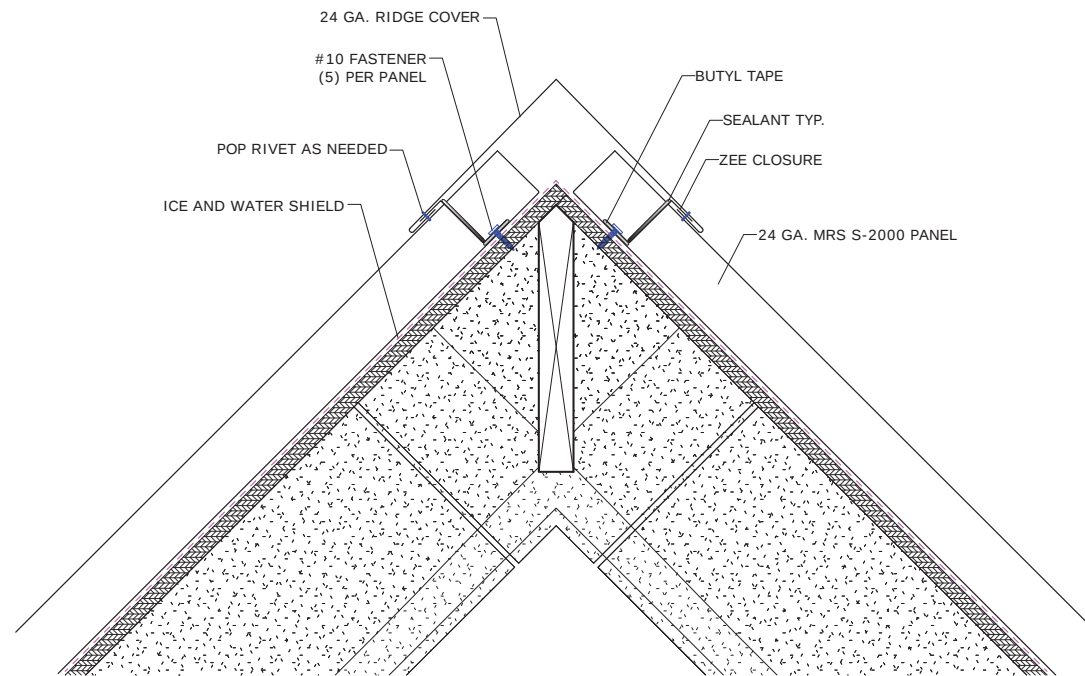
Valley



Rake



Eave w/ Gutter



Ridge

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DETAILS 1

SHEET:

05

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