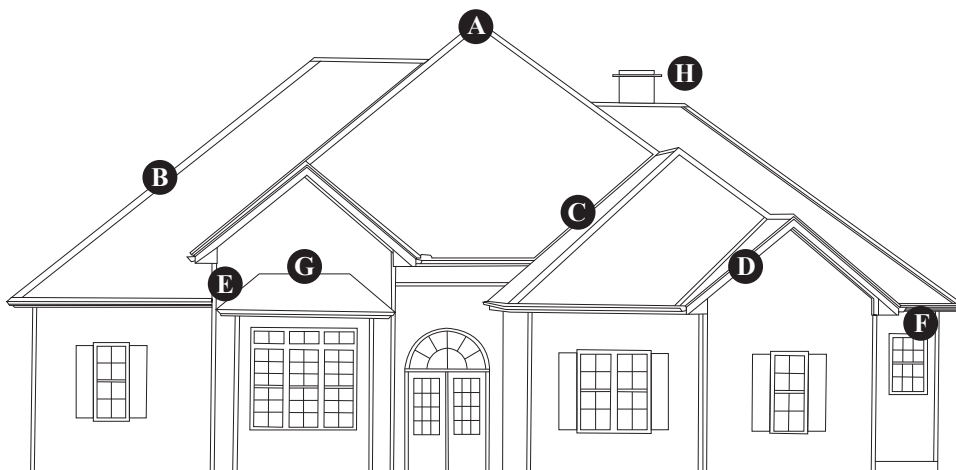


Purpose of this Guide

This application guide is intended to assist in the application of the Ultra Pro Panel. The details and illustrations in this manual may not be applicable to all building plans or field situations. It is the buyer's responsibility to verify all applicable code requirements, check all field measurements and determine suitability of the material for the job.



This guide is to aid you install the Platinum Metals Ultra Pro Roofing Panel System. If you need help beyond this guide please make sure to reach out to us at 260-627-9060 or email us at info@platinummetalsllc.com. You can also always visit our website to see all the up to date information on our products including guides & video support.



- A** Ridge
- B** Hip
- C** Valley
- D** Gable
- E** Sidewall
- F** Eave / Drip Edge
- G** Endwall
- H** Chim

Application Guidelines

Safety and Minimum Slope
Handling and Storage

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Safety and Minimum Slope
Handling and Storage

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Residential Details

Residential Vented Ridge
Residential Ridge
Residential Hip / Ridge
Residential J & Ridge
Residential Transition
Residential Endwall
Residential Endwall Counter
Residential Sidewall
Residential Sidewall Counter

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Residential Rake
RC & Gable Trim
Residential AG 4 Gable Trim
Residential Formed Valley
Residential Gambrel
Residential Drip Edge
Residential Fascia & Soffit
Residential Pipe Boot Detail
Residential Chimney Details

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Application Guidelines

Safety

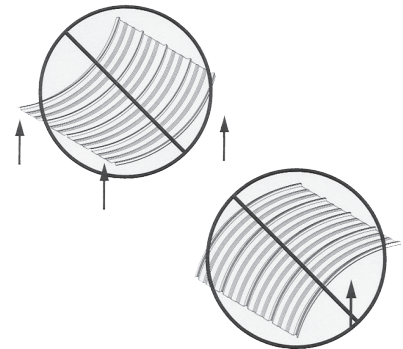
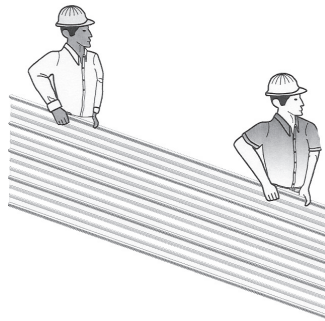
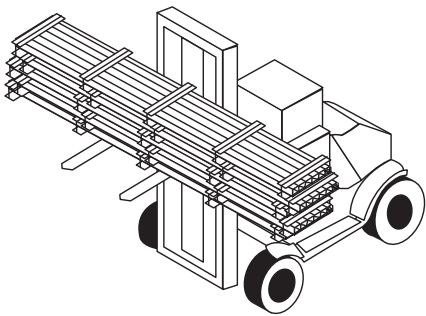
Always work safely when installing metal products. Use extreme caution on a roof at all times, and wear gloves and safety glasses to avoid injury. Hearing protection should be used when power-cutting metal panels. Do not walk on panels until all fasteners are installed. Metal panels are slippery when wet, dusty, frosty or oily. Do not attempt to walk on a metal roof under these conditions. Always use OSHA recommended safety harness or equipment when working on a roof. Wear soft-soled shoes to improve traction and to minimize damage to the paint finish. Always be aware of your position on the roof relative to any roof openings, roof edges, co-workers, and penetrations. Installing metal panels on a windy day can be dangerous and should be avoided. Consult OSHA guidelines for more comprehensive safety requirements.

Minimum Slope

Platinum Metals products are designed to be installed on pitches of no less than 3:12. Please contact a Platinum sales representative for product recommendations on lower sloped roofs.

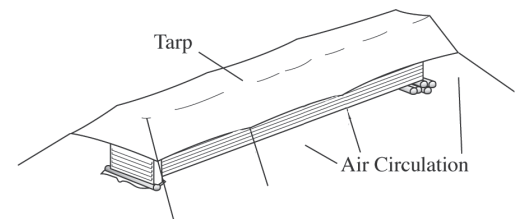
Handling

1. Do not lift panels from ends while flat. Lift the panels on edge when moving individual panels or when moving panels onto the roof.
2. Do not unload in a jerking or bouncing fashion. While unloading, the bundle must be handled at lift point, specified by Platinum Metals. Panels greater than 25' long should be unloaded using spreader bar to prevent panels from bending
3. Although the paint coating is tough, dragging panels across the surface of one another will almost certainly damage the finish. Improper handling of metal panels may cause scratches to the paint finish. Platinum offers matching touch up paint in a variety of standard colors in the event of any scratches to the paint finish. Please note: touch up paint will not weather as well or at the same rate as the original coating or finish.



Storage

If the material is not to be used immediately, it should be stored in a dry place. Moisture trapped between sheets may cause damage to the paint system. The paint system may become soft or water stains may appear which can detract from the appearance and affect the service life of the material. To avoid problems store the materials in a well-ventilated dry area. Stack the materials in an incline position.



DO NOT USE PLASTIC TO COVER MATERIALS. THIS CAN CAUSE SWEATING OR CONDENSATION!



Installation Recommendations

- Use 30 lbs. Felt paper and/or ice and water shield as an underlayment
- Panels should be installed against any prevailing wind
- Panels should be installed square, plumb and properly aligned to one another.
- Galvanized and galvalume panels should remain void of any condensation containing copper, lead or uncoated steel materials
- In situations where an endlap of a panel is required, be certain to overlap upper panel a minimum of 8” over lower panel and apply sealant and butyl lap tape uniformly between the two panels.

Ventilation / Insulation

Proper design and installation of vapor barriers and ventilation systems are important to prevent condensation and the resulting problems of moisture damage and loss of insulation efficiency. Condensation occurs when moisture-laden air comes in contact with a surface temperature equal to or below the dew point of the air. This phenomenon creates problems that are not unique to metal buildings; these problems are common to all types of construction. In addition to providing resistance to heat transfer, insulation can also protect against condensation forming on cold surfaces, either inside the building or within the wall/roof/system cavity. The arrangement of the building’s insulation system and vapor retarder is the responsibility of the building designer. These are some basic guides to help control condensation.

1. The insulation should have a vapor retarder face on the “warm” side of the insulation. For most buildings, this means that the vapor retarder is on the inside surface (toward the building’s interior).
2. The thickness of the insulation must be designed to maintain temperature of the vapor retarder above the interior dew point, using the worst-case expected outside temperature.
3. All perimeter conditions, seams, and penetrations of the vapor retarder must be adequately sealed in order to provide a continuous membrane to resist the passage of water vapor.
4. Building ventilation, whether by gravity ridge vent, power-operated fans, or other means, contributes significantly to reduced condensation. The movement of air to the outside of the building reduces the interior level of vapor pressure. On the buildings that have an attic space or are being retrofitted with metal roofing systems, vents should be placed at both the eave and peak of the roof in order to prevent a buildup of moisture (humidity) in the attic space. Contact your local building code official or an engineer on proper ventilation practices for you area.

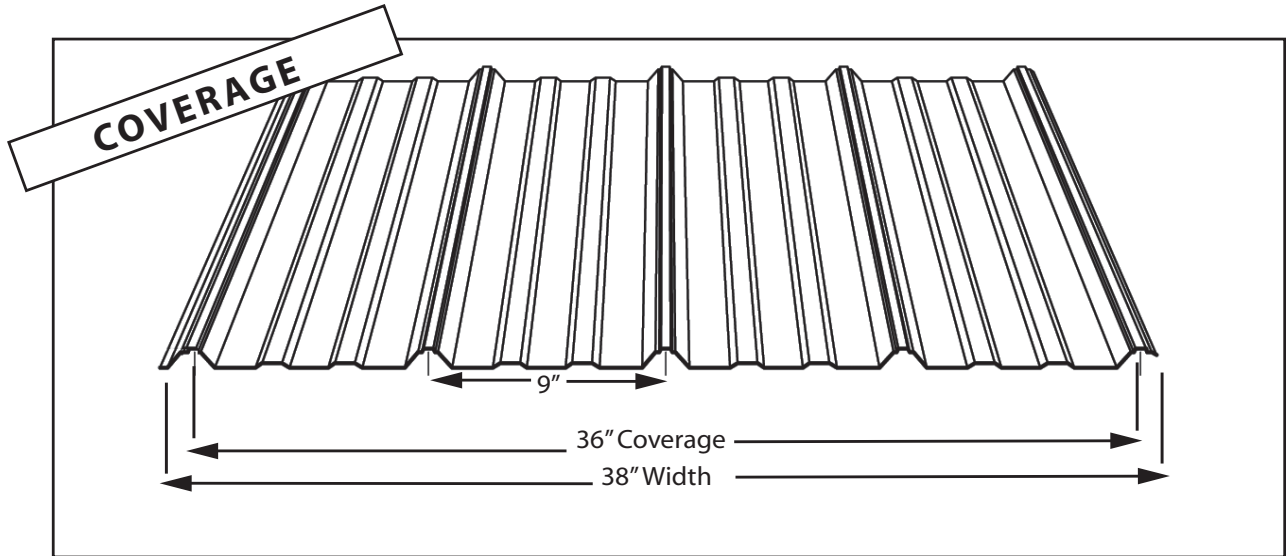
Cutting

Platinum Metals recommends the use of tin snips or a “nibbler” type electric tool to field cutting metal panels. Cutting metal panels may create metal shavings.

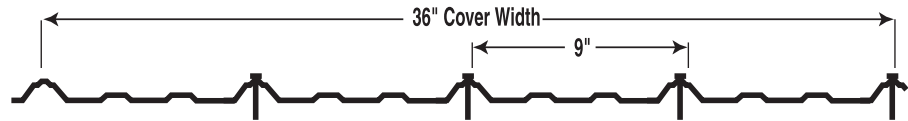
1. These shavings and/or chips must be removed immediately from the panel surface. Failure to remove such shavings or chips may cause staining and/or rust on the panel.. Any such surface damage will void the warranty.
2. For your protection goggles should be worn when cutting metal panels and flashing.



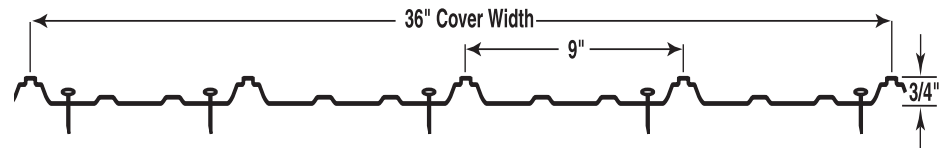
Coverage and Screw / Nail Pattern of Ultra Pro Panel



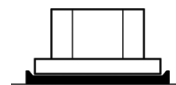
NAIL Pattern Ultra Pro Panel



SCREW Pattern Ultra Pro Panel



Under-Driven



Over-Driven

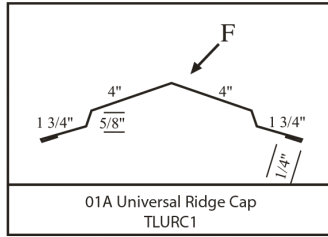
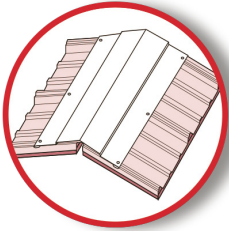
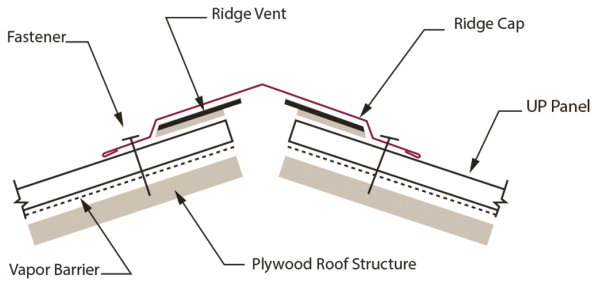


Correct

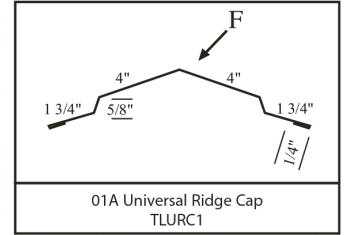
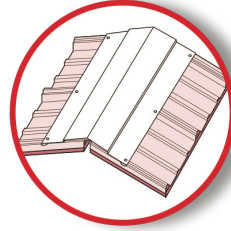
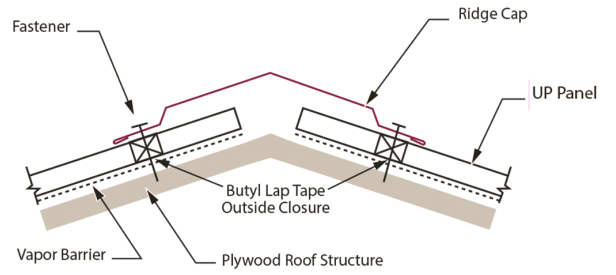
NOTE: Minimum of 1" fastener penetration is recommended



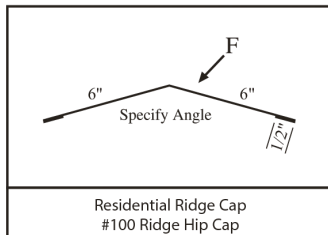
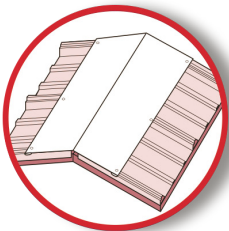
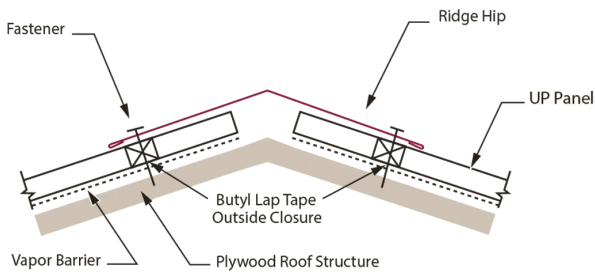
Residential Vented Ridge



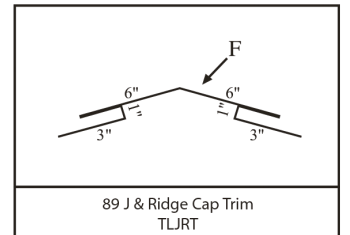
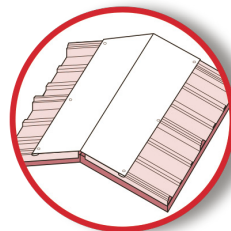
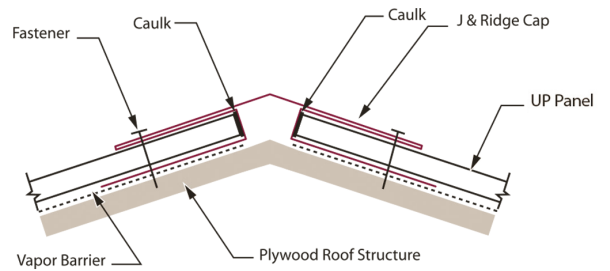
Residential Ridge



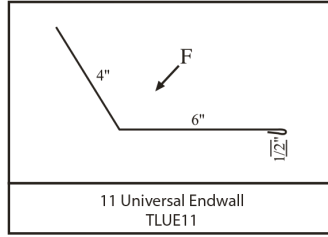
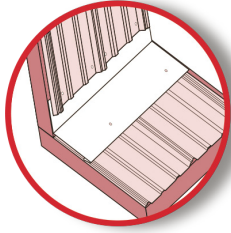
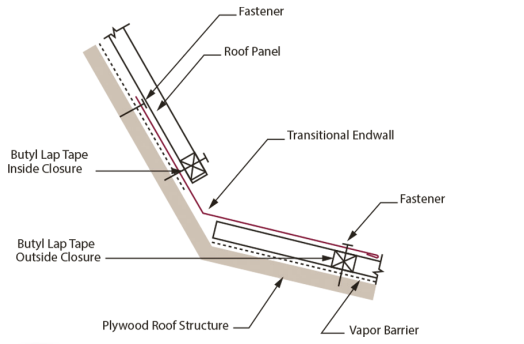
Residential Hip / Ridge



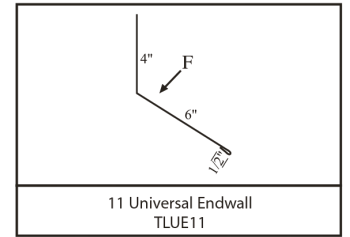
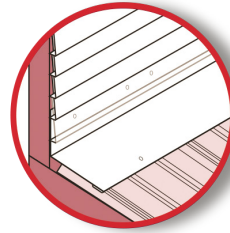
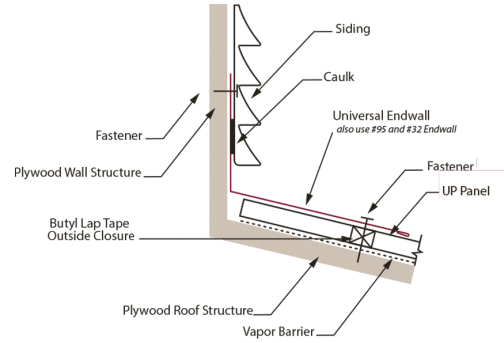
Residential J & Ridge



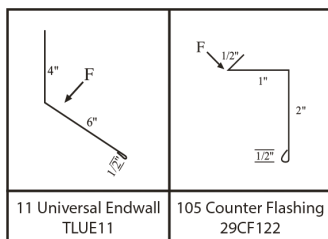
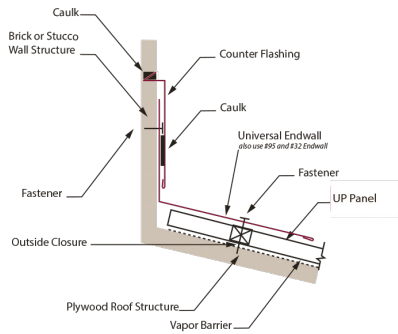
Residential Transition



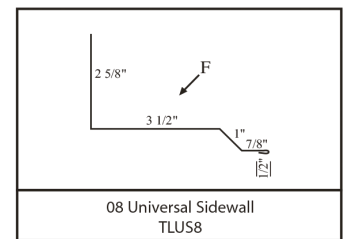
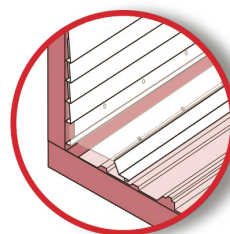
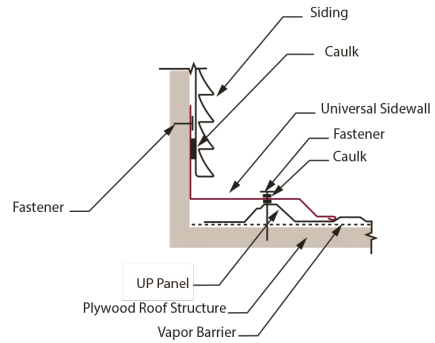
Residential Endwall



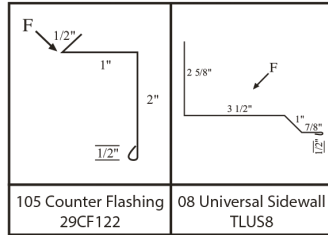
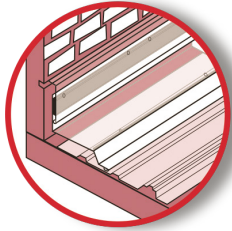
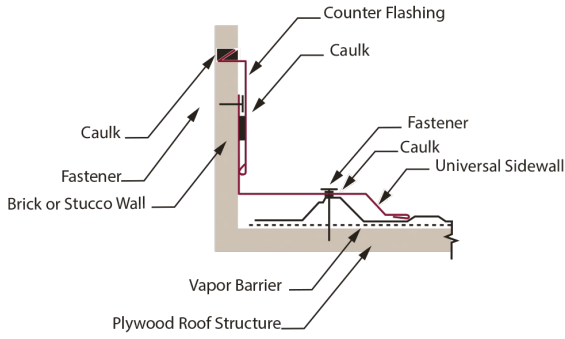
Residential Endwall Counter



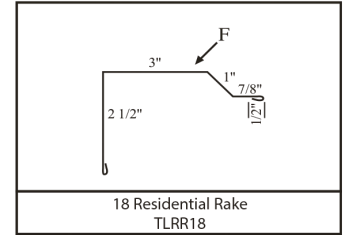
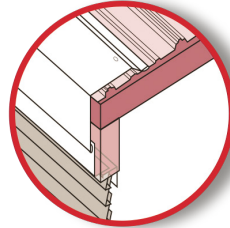
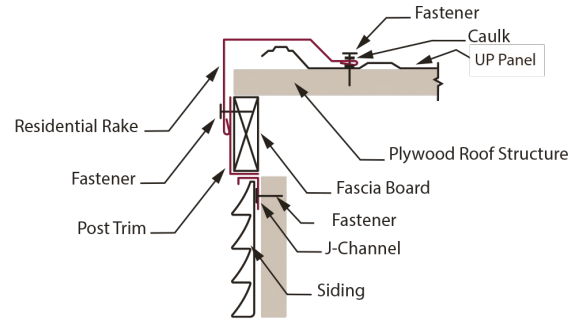
Residential Sidewall



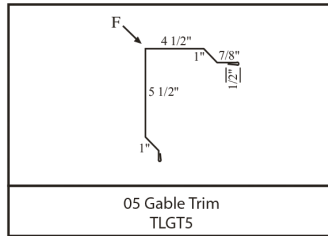
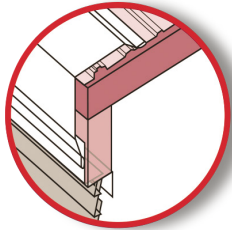
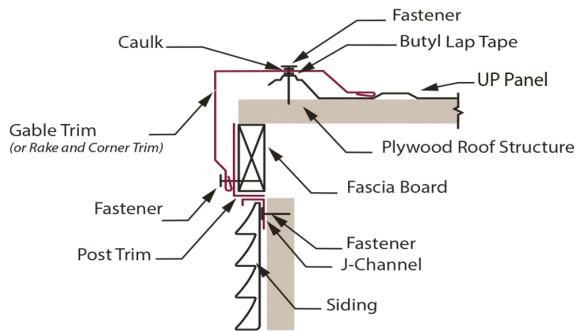
Residential Sidewall Counter



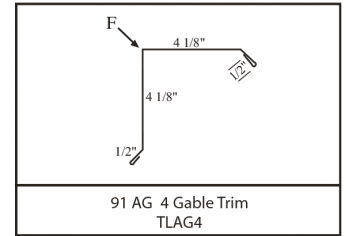
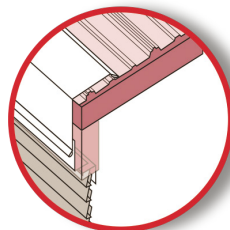
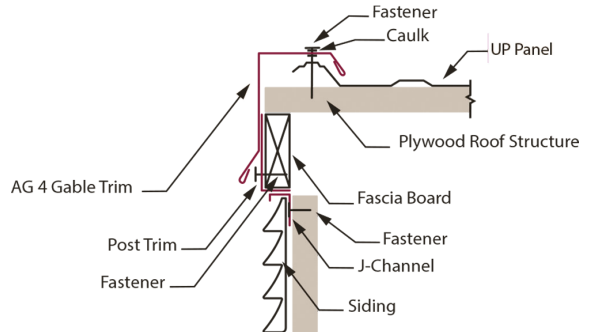
Residential Rake



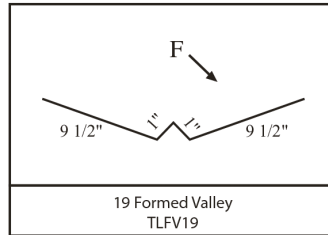
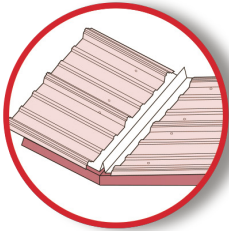
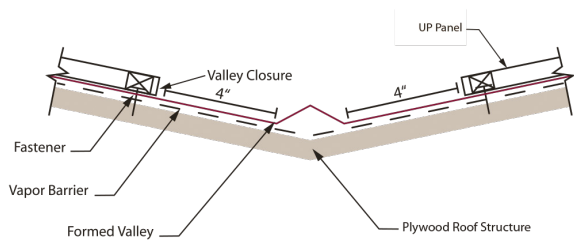
RC & Gable Trim



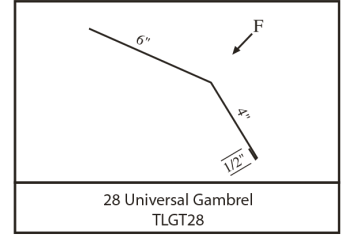
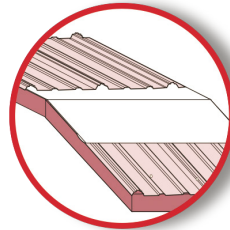
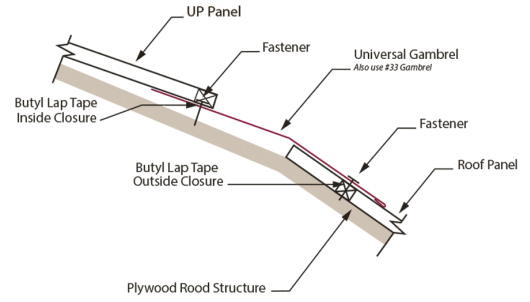
Residential AG 4 Gable Trim



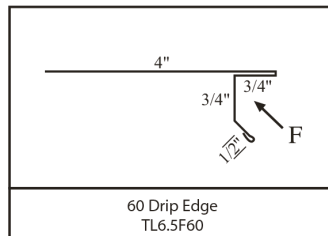
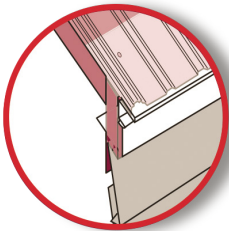
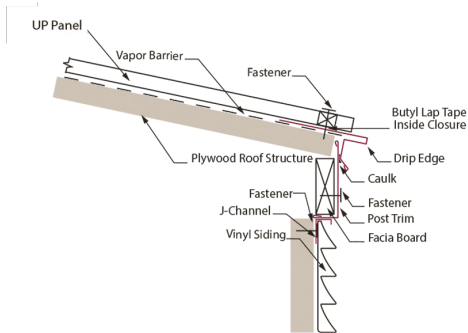
Residential Formed Valley



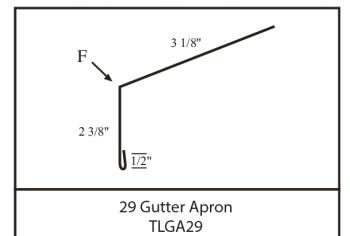
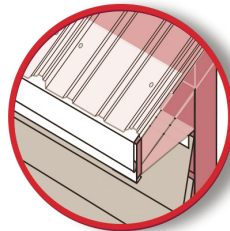
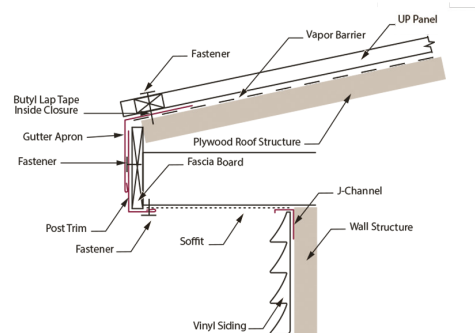
Residential Gambrel



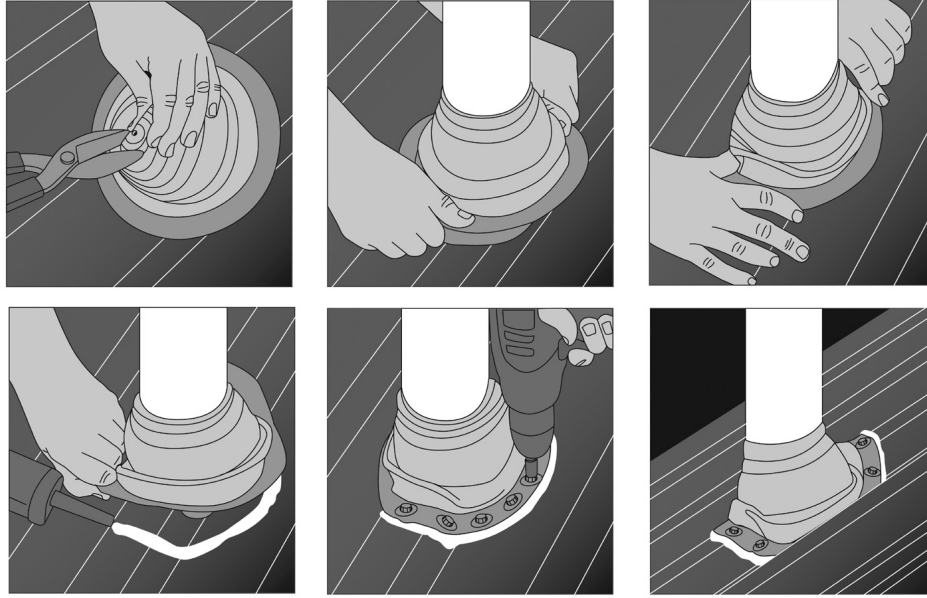
Residential Drip Edge



Residential Fascia & Soffit



Residential Pipe Boot Detail



Residential Chimney Details

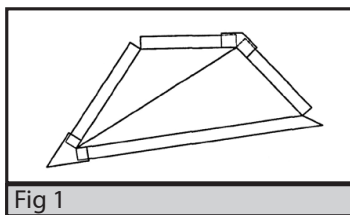
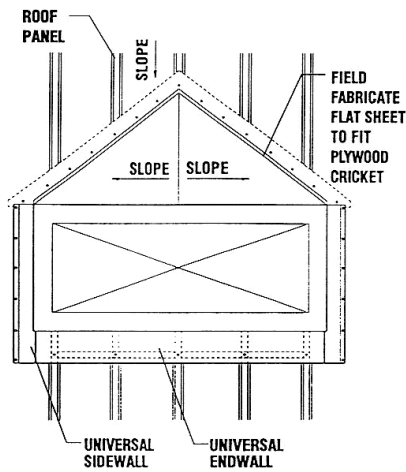
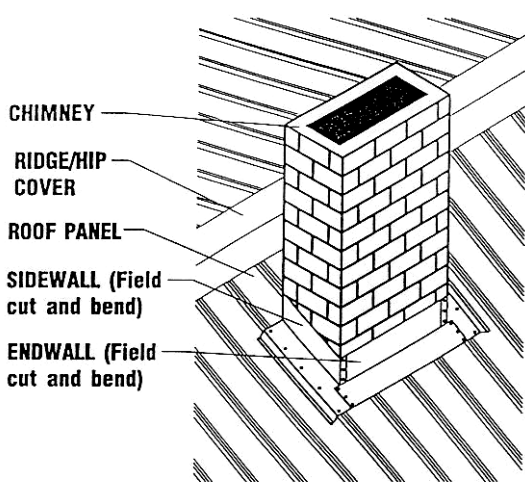


Fig 1

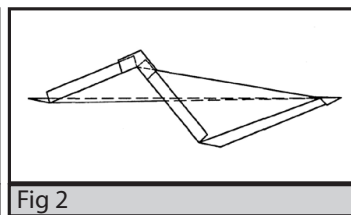


Fig 2

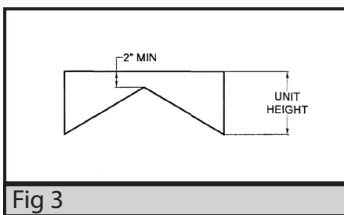


Fig 3

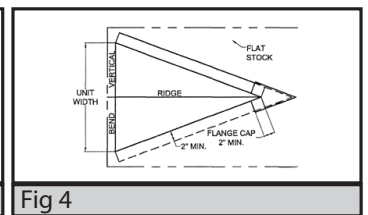


Fig 4



Warranty & UL Ratings

Certificate of Compliance

Certificate of Compliance R40282
Certificate of Compliance R40282-20200623
Certificate of Compliance 2020-JULY-01

Certificate of Compliance Platinum Metals, LLC.
13830 Grabill Road
Grabill, IN 46741

This certificate confirms that representative samples of: ROOFING SYSTEMS, ROOF-COVERED MATERIALS, IMPACT RESISTANCE, METAL ROOF DECK PANELS panel which is identified as “Ultra Pro Panel”.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/UL 580 - Standard for Test for Uplift Resistance of Roof Assemblies
ANSI/UL 790 - Standard Test Methods for Fire Test of Roof Coverings
ANSI/UL 2218A - Standard for Impact Resistance of Roofing Systems

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

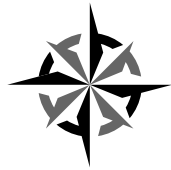
Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

UL Ratings

UL Construction No#560 UPLIFT TEST
UL 2218 Class 4 IMPACT RESISTANCE
UL 790 Class A FIRE RESISTANCE





**Platinum
Metals**

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