



Providing 4-Star Service:  
★ Quality products  
★ Accurate order handling  
★ Fast, reliable delivery  
★ Competitive pricing



## ★ **Installation Guide**

# Max-Life Panel

845 Peerless Road  
Summersville, WV 26651  
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Feb 2015

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### **Includes:**

- Max-Life Panel
- Max Life Trim Profiles
- Max-Life Trim Installation Guide

SPECIAL INSTALLATION AND MAINTENANCE INSTRUCTIONS

Roofing and Siding

Start vertically at the end of the building for both roofing and siding, opposite from the direction of prevailing wind. Girt spacing should not exceed 36 inches for normal sidewall application. Purlin spacing should not exceed 24 inches for normal application with a slope of 3 inches per foot of run or more. A slope of 4 inches per foot of run is recommended for large buildings.

NOTE: Some panels are not recommended for use over open framing. Consult your dealer for product compatibility with your application.

End Lapping

Pitch rise per foot of run	Lap Length	Maximum Run Length
3 in.	12 in.	15 ft.
4 in.	9 in.	33 ft.
5-6 in.	6 in.	55 ft.
No end lap should be less than 6 inches.		

For complete weather proofing, caulk all end laps, regardless of pitch. End laps should be caulked at the end of both top and bottom sheets. The maximum recommended run is 55 feet.

Nailing

For best results use 1-3/4 in. galvanized steel ring or screw shank nails with neoprene washers. Select nail lengths for roofing and siding that do not go completely through purlins and girts. Do not overdrive so as to dimple or distort panels. On average, estimate one pound of nails per square of roofing or siding.

Using Drill Screws

Use 1 in. screw fasteners in the flat area of the panel at 9 in. repeats. Do not overdrive so as to dimple or distort panels. If purlins are placed more than 24 inches apart, stitching screws are recommended on the lapping rib between the purlins. On average, estimate 85 screw fasteners per square of roofing or siding.

Cutting

Roofing and siding panels should be cut from the bottom, the flatter side. A power saw, nibbler, snips, or profile shears may be used. Metal filings from cutting will create rust and cause flaws in appearance. Be careful to clear all surfaces from any such filings.

Storage

Store panels in a dry area, unbundled and standing on end against a flat support structure. If outside, cover with canvas or waterproof paper. Allow for air circulation.

Application Precautions

Avoid installing directly over green or damp lumber, porous insulation, or other damaging materials. The use of a moisture barrier is recommended. Avoid storage or application near strong chemicals such as fertilizer, manure, some soils and lime, which may cause damage.

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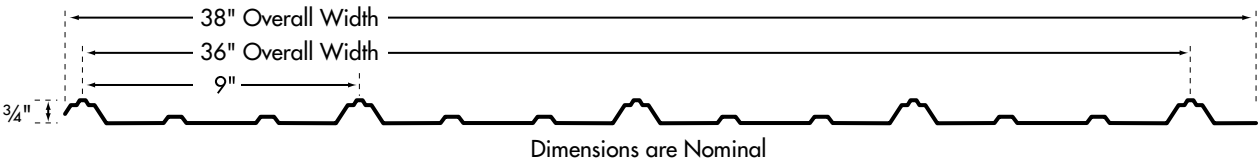
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# Max-Life Panel

## Custom Length Steel Roofing and Siding Sheets

38" wide providing 36" coverage with ribs 9" on center, in lengths 3 ft. through 50 ft.



## Standard 29GA Stock Colors Available – Energy Star

- |                   |                   |                |
|-------------------|-------------------|----------------|
| ★ Light Stone     | ★ Brown           | ★ Light Gray   |
| ★ Barn Red        | ★ Burnished Slate | ★ Charcoal     |
| ★ Crimson         | ★ Black           | ★ Sky Blue     |
| ★ White           | ★ Burgundy        | ★ Gallery Blue |
| ★ Terra Cotta Red | ★ Forest Green    | ★ Tan          |
|                   |                   | ★ Clay         |

Also available in Acrylic Coated Galvalume (Acrylume)

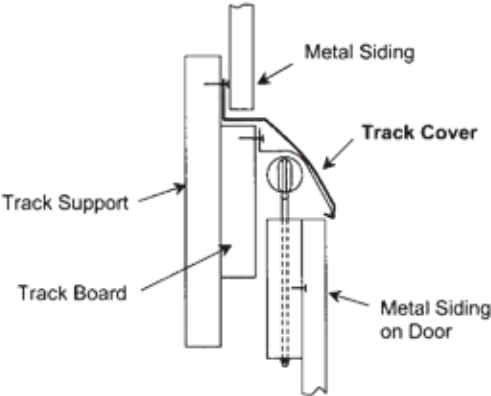
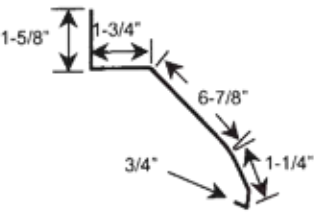
## Additional Accessories Available

### Stock Items

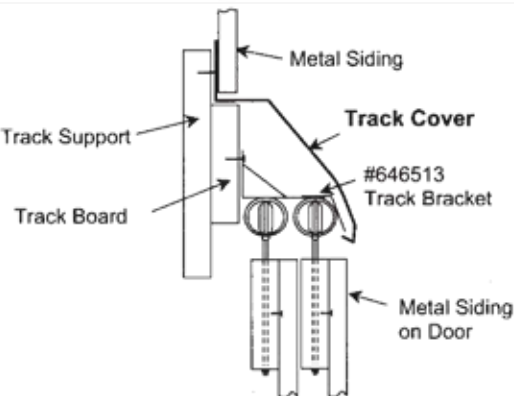
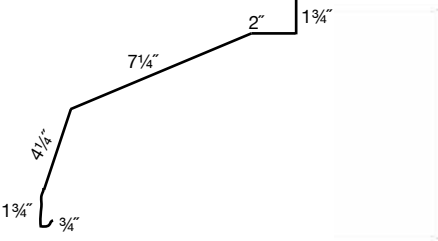
- |                                   |  |
|-----------------------------------|--|
| Solar Seal Color Matching Sealant | Metal to Wood Screws with Washers – 1", 1-1/2", 2" |
| Butyl Tape – 3/32" x 1/2" x 40'   |  |
| A-10 Foam Sealant Tape            | Self Driller Stitch Screws with Washers – 7/8"     |
| Compressed Roll – 1" x 1" x 20'   |  |
| Profile Vent                      | Single Foil Bubble Wrap 48" x 125'                 |
| Inside Closure Strips (Bottom)    | Titanium Roofing Underlayment                      |
| Outside Closure Strips (Top)      |  |
| Roof Boots                        |  |
| Touch-up Paint                    |  |
| Clear Snow Guards                 |  |
| Polycarbonate Panels – 12' Clear  |  |



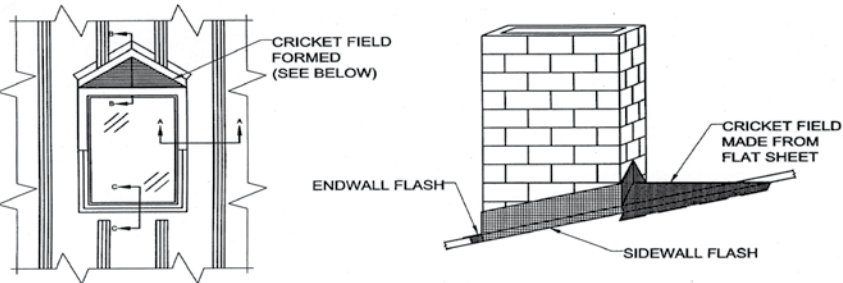
## ★ Cannonball Track Cover Length: 10'



## ★ Cannonball Double Track Cover Length: 10'



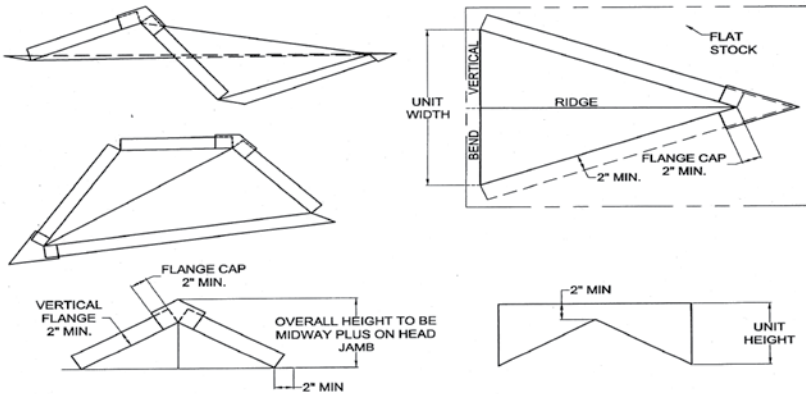
## SKYLIGHT or CHIMNEY DETAILS



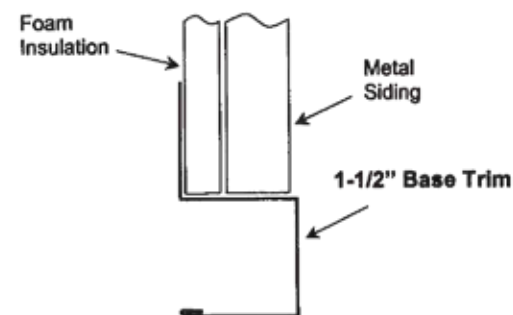
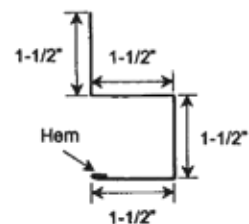
NOTE: SEE PAGE 40 FOR CROSS SECTIONS A-A, B-B, C-C

For optimum weathertightness, use ice and water shield or similar around penetrations.

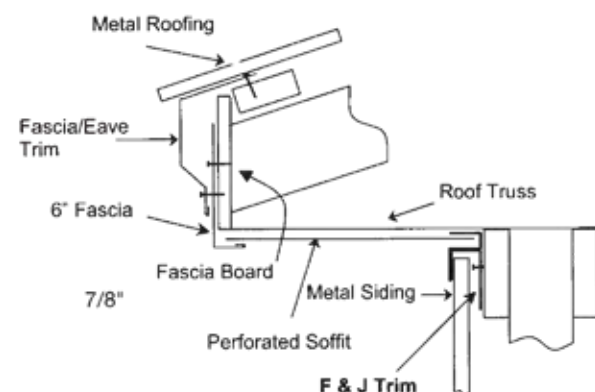
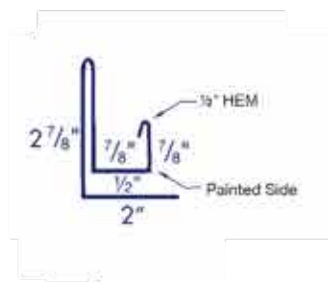
## CRICKET FIELD FORMING



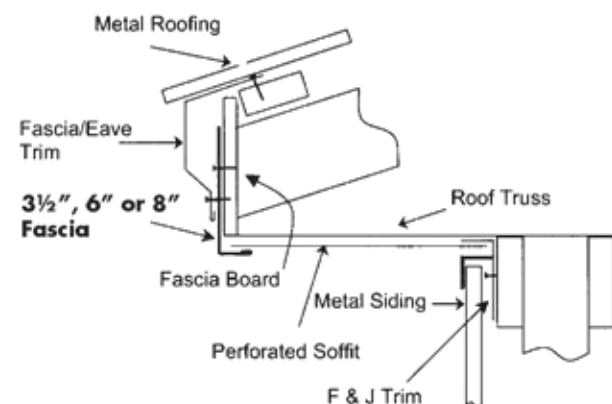
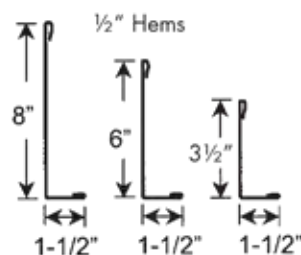
★ 19 **Square Base Trim**  
Length: 10'



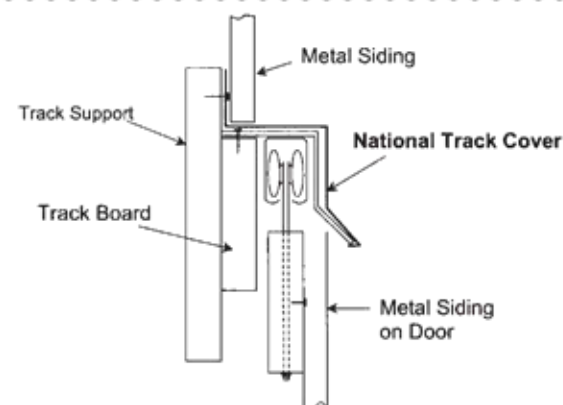
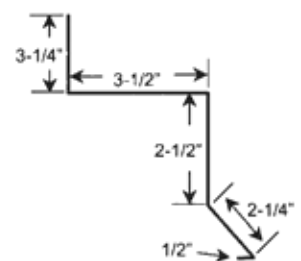
★ 20 **F & J Trim**  
Length: 10'



★ 21 **3-1/2", 6", or 8" Fascia**  
Length: 10'



★ 22 **National Track Cover**  
Length: 10'



## Max-Life Panel Installation Guide

### Handling

When unloading bundles of Max-Life Panels extreme care should be used. Forklifts can dent or puncture bottom of sheets. Bundles may also bend or stretch

in the middle if they are too long for forklift unloading. The panel edges must be protected during unloading and handling to assure good fitting laps.

### Cutting

Any cutting and trimming necessary should be done with a steel cutting blade, Carborundum blade, profile shear, or nibbler. **Always cut panels with the exterior side down.** Avoid any sparks

or hot particles to the panel finish which could cause pitting and red rust. Sheets can have sharp edges, always wear eye and hand protection.

### Storage

Store Max-Life panels in a dry place. Fan panels out to let air circulate. Stack off the ground on an incline to allow for any moisture run off. Panels should never be stored outside for more than a short period of time and should never be covered with

plastic which allows condensation to occur. Any moisture trapped between sheets can cause superficial staining or lifting of the finish, considerably reducing the life of the paint. Failure to comply with the above recommendations voids any warranties.

### Installation

**Roof:** Begin laying the roofing panels on the end of the building away from the prevailing wind so the side lap seams shall face away from the prevailing wind-driven rain. The first panel determines the alignment of all remaining panels on the roof, so **extreme care should be taken** to accurately square the first sheet. The over-lapping rib edge should be flush with the edge of the roof, and the panel should overhang the eave approximately three inches to provide for a drip edge. The side rib with the drain channel should face the direction in which the sheets are being laid down. When the panel is positioned, it should be fastened through the first rib, top and bottom. The panel should be attached completely before starting the next panel.

A tip for assuring straight alignment for successive rows of panels is to stretch chalk lines between nails driven into the ridge and end of each edge rafter. These lines will serve as guidelines to align panels.

If roof requires more than one horizontal row of panels, temporarily fasten at two points, not the ends, along main middle ribs of Panel #1 in lower corner. Next, install Panel #2 above

and end lapping over Panel #1. Align both panels with chalk line. Install Panel #3 next to Panel #1, side lapping. Install Panel #4 above Panel #3 side lapping over Panel #2 and end lapping over Panel #3. Temporarily fasten all panels. Check alignment at ridge and eave. Permanently fasten when all panels are in line. Refer to Figure "I".

Max-Life Panel requires at least a 3/12 pitch with an 8" end lap when using more than one panel in a row.

**Sidewalls:** Do not run siding all the way to the ground. Panels should lap at least 3" over splash board but not come in permanent contact with soil. The first siding panel must be plumb to assure straight alignment of the entire row of panels. Temporarily a wooden 1 x 2 or a steel rat guard can be used for a guideline about 3" below the top of the baseboard. **Panels should not come into direct contact with ACQ, CA, and ACZA treated wood products.** A vapor barrier such as ice and water shield and stainless steel fasteners should be used where any of these treated wood products meets the steel. Recommendations should be obtained from the treated lumber supplier.



Prevailing Winds

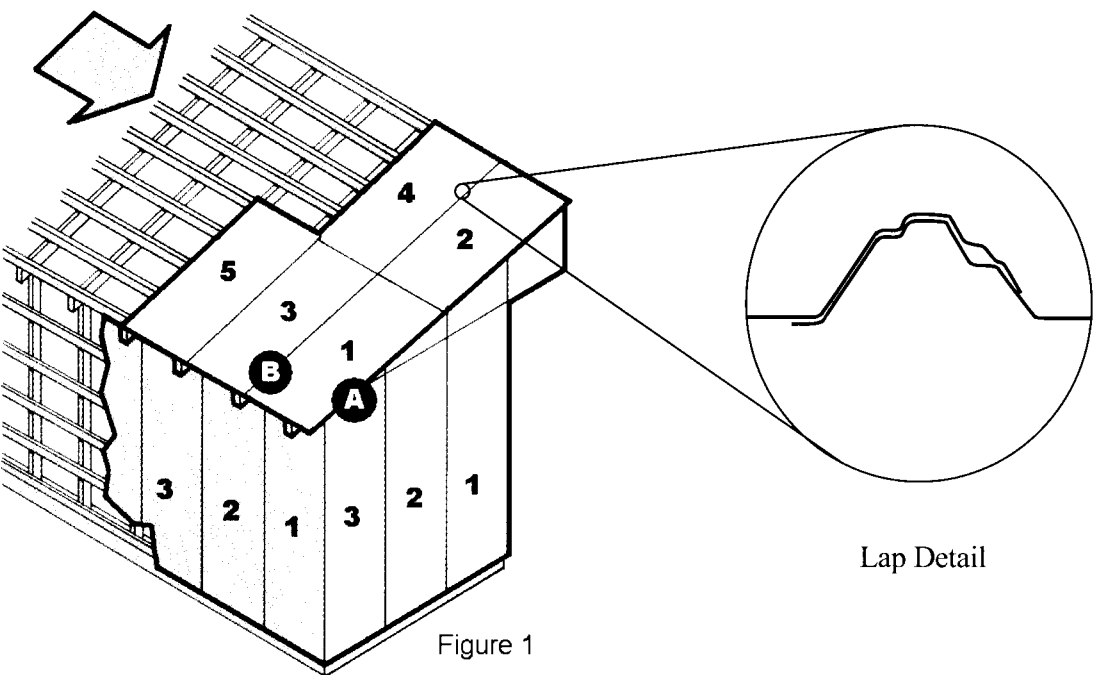


Figure 1

**Fastening**

**Nails:**

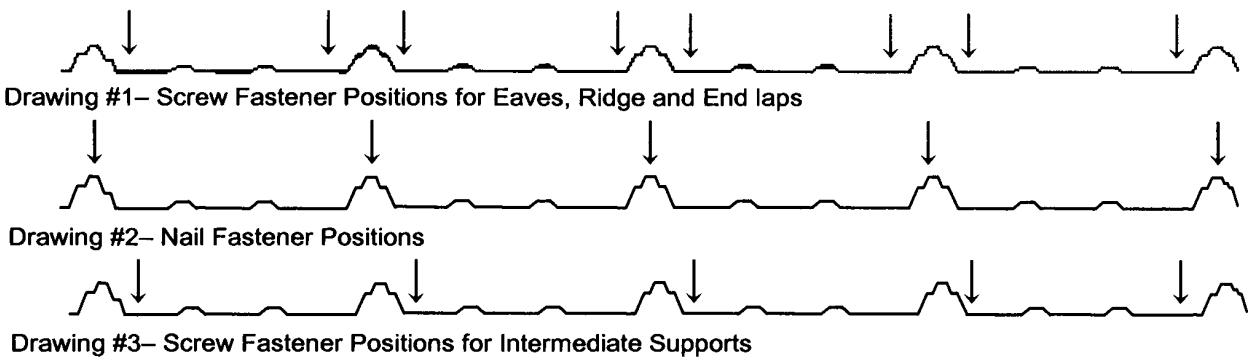
Roof—2" Galvanized ring shank nails with a neoprene gasket should be driven through the top of each major rib, as in Drawing #2, taking care not to overdrive. The washer should be compressed securely against the metal.

Sidewalls—1-1/2" nails should be driven through the flat next to each major rib as in Drawing #3.

**Screws:**

When using plated self-drilling wood screws with combination metal and neoprene washer, at least 1" penetration should be attained. Fasten in flat along each major rib on both roofing and siding as in Drawing #3 making sure the washer is secure.

NOTE: Stainless steel screws should be used when fastening to ACQ, CA, or ACZA treated wood products. Recommendations should be obtained from the treated lumber supplier.



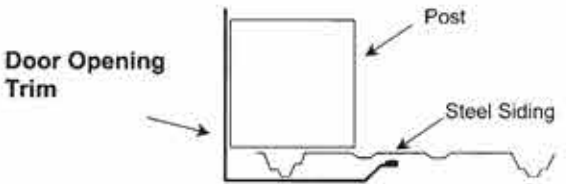
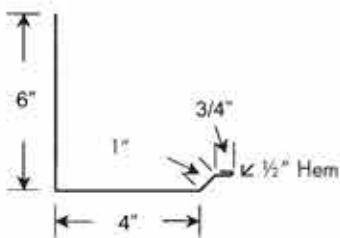
Drawing #1— Screw Fastener Positions for Eaves, Ridge and End laps

Drawing #2— Nail Fastener Positions

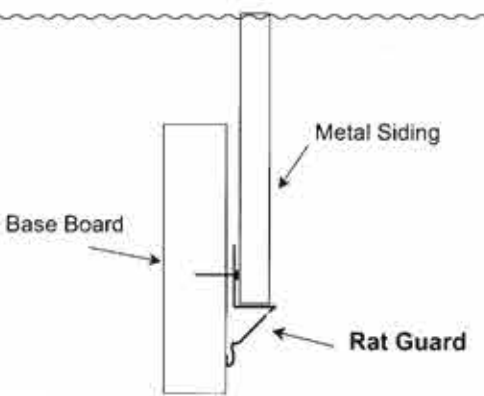
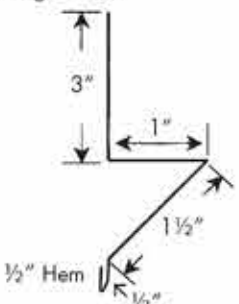
Drawing #3— Screw Fastener Positions for Intermediate Supports

CORRECT	TOO LOOSE	TOO TIGHT

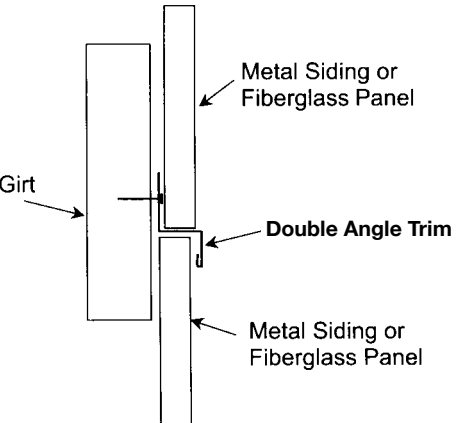
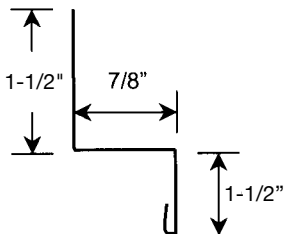
**15 Door Opening Trim**  
Length: 10'



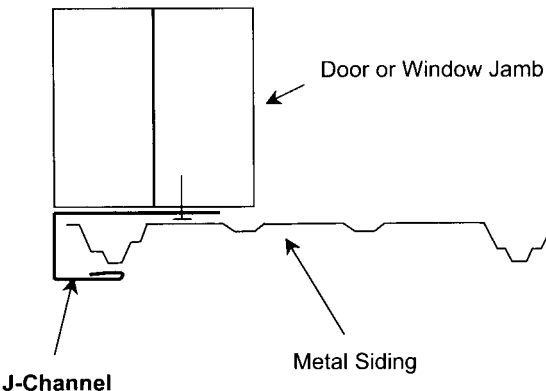
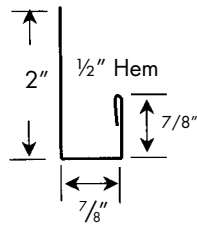
**16 Rat Guard**  
Length: 10'



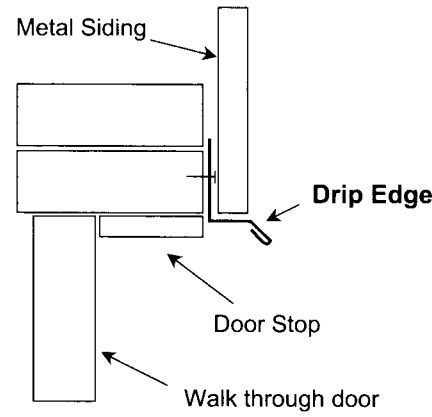
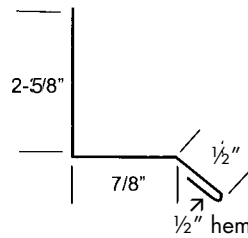
**17 Double Angle**  
Length: 10'



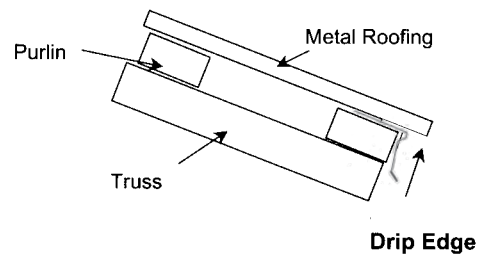
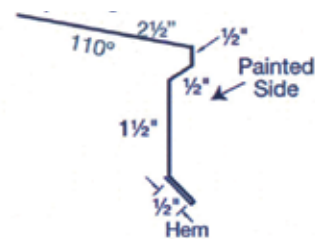
**18 J Channel**  
Length: 10'



★ **Drip Cap**  
Length: 10'

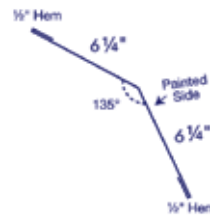


★ **Drip Edge**  
Length: 10'

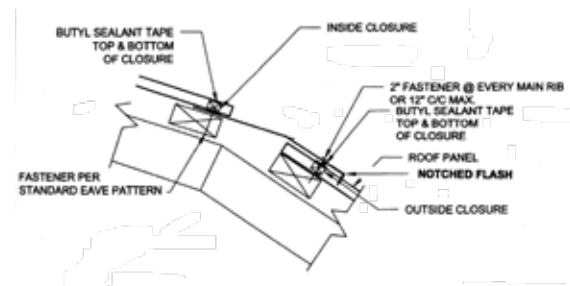


★ **Gambrel - Notched**  
6A & 6B

6 A. Gambrel

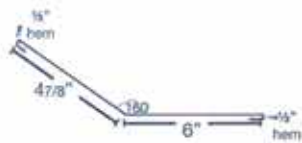


6 B. Notched Gambrel

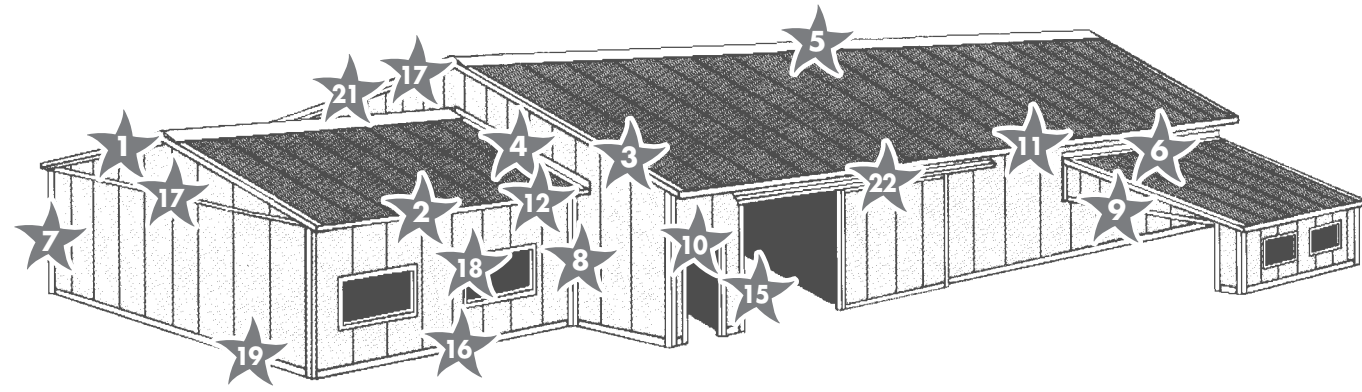
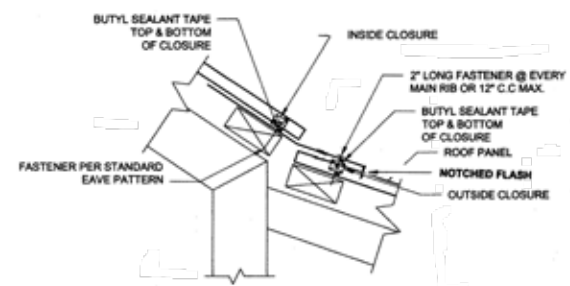
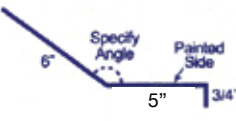


★ **Transition - Notched**  
11A & 11B

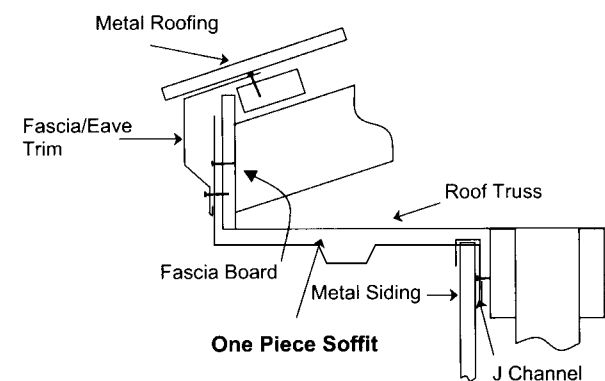
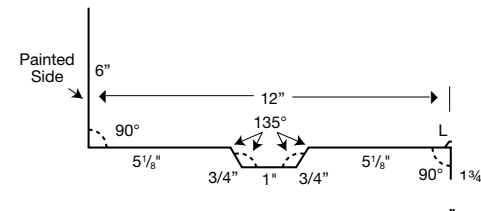
11 A. Transition



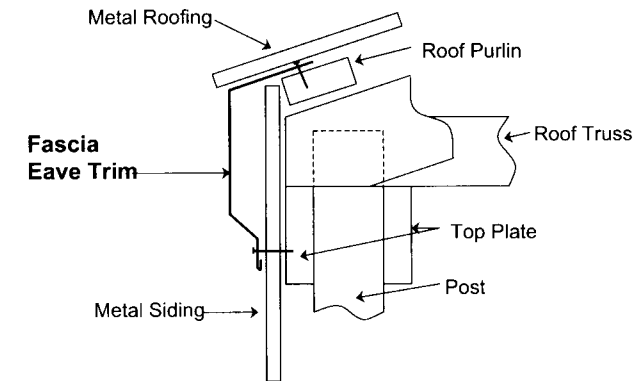
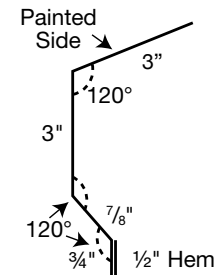
11 B. Transition



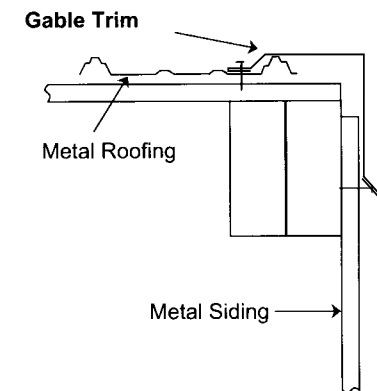
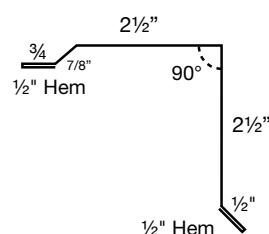
★ **One Piece Soffit**  
Length: 10'



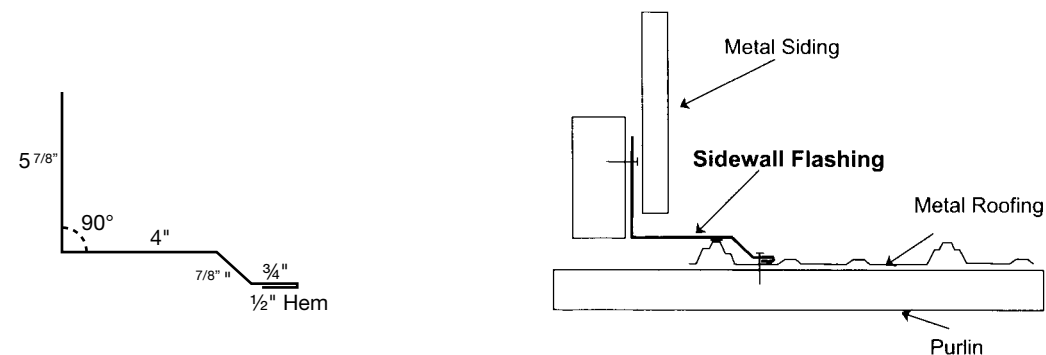
★ **Facia Eave Trim**  
Length: 10'



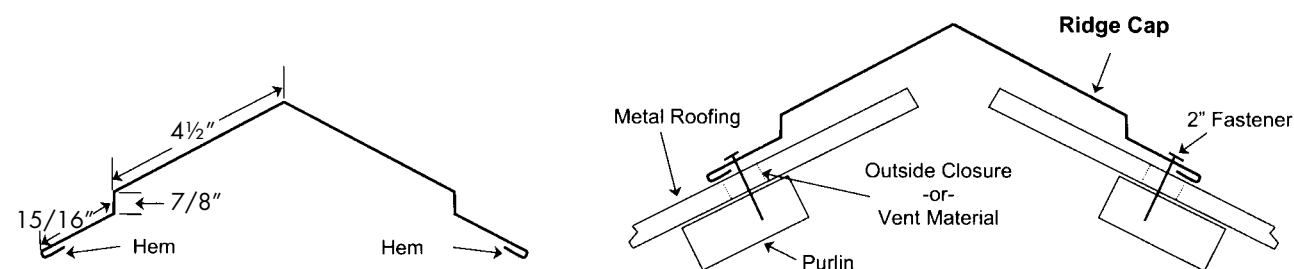
★ **Gable Trim (Same as Outside Corner)**  
Length 10', 12', 14', 16'



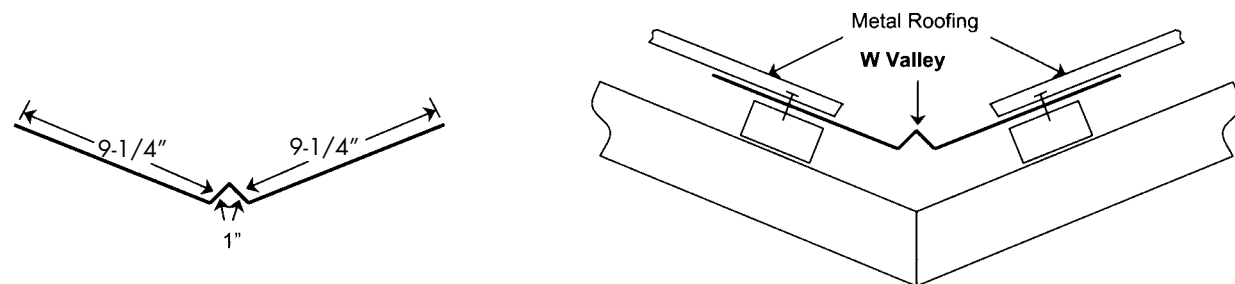
★ **Sidewall Flashing**  
Length: 10'



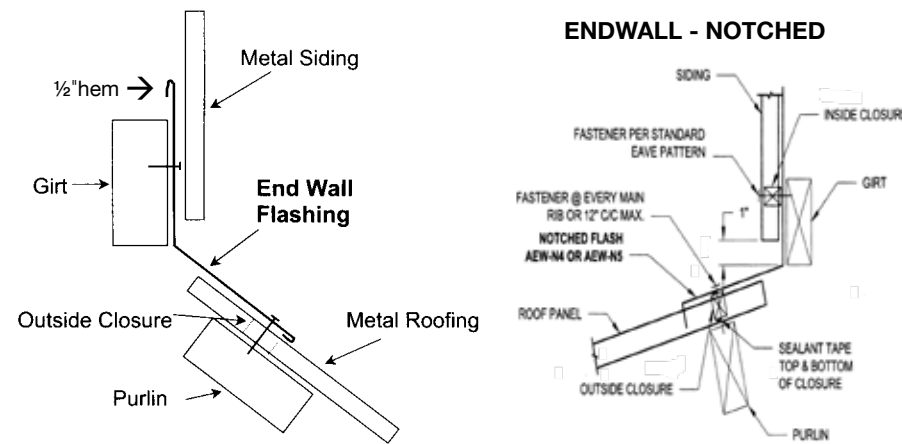
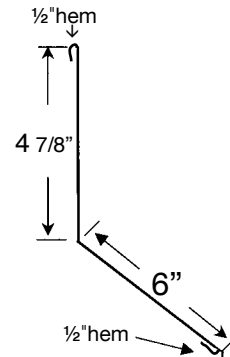
★ **Ridge Cap, 13" Wide**  
Length: 10'6"



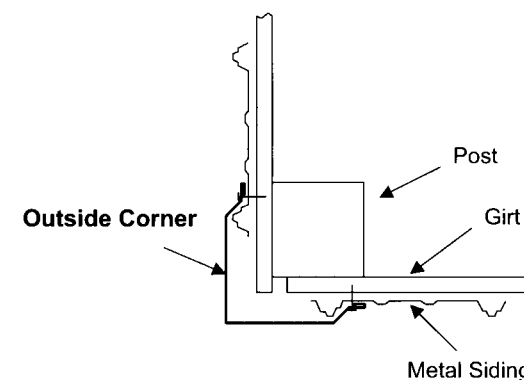
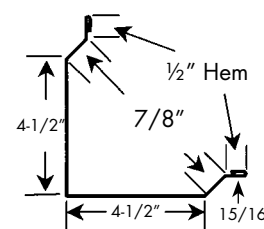
★ **W Valley Trim**  
Length: 10'



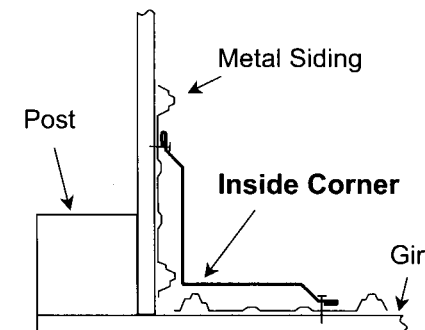
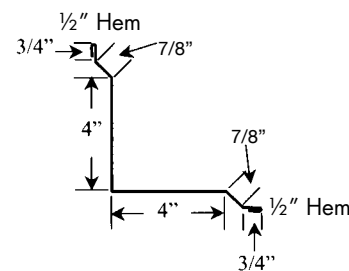
★ **End Wall Flashing**  
Length: 10'



★ **Rake & Corner**  
Length 10', 12', 14', 16'  
Also Available in 3 1/2"



★ **Inside Corner**  
Length: 10'



★ **Overhead Door Trim**  
Length: 10'

