Product Catalog

AMERICAN ROOFING PRODUCTS
The difference in our Products is our Service
American Roofing Products

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To Our Customer:

American Roofing Products would like to thank you for the opportunity to service you and your customers. American Roofing Products is a wholesaler only.

The employees at American Roofing Products believe in long term relationships. We want to partner with our retail customers to meet all of their needs in the metal roof and wall panel business. Our products are of great quality. We continue to strive towards increasing the level of our SERVICE. We want to solve customers’ needs in the best way possible. We will handle each and every order with excellence.

American Roofing Products will invest in it’s customers with a professional and knowledgeable staff, advertising and custom ideas to meet your needs. We are just a phone call away; our staff is ready to serve you at any time.

As you can see, our motto is very simple: the difference in our products is our service. Each employee at American Roofing Products believes in and stands behind this motto. We look forward to building our partnership.

Sincerely,

The American Roofing Products Staff
COLOR CHART
Color Chart & Trim Profiles

The difference in our Products is our Service

- All painted metal carries a 40 Year Warranty unless noted -

Options:

29 Gauge/40 Year Warranty panel is available in all colors.

26 Gauge/40 Year Warranty Panel available in:
- Black
- Burnished Slate
- Dark Red
- Gallery Blue
- Copper Penny
- Green
- Burgundy
- White
- Charcoal

Acrylic-Coated Galvalume® is available in 29 and 26 Gauge. Galvalume® carries a 20 Year Warranty.

Condenstop® panel backing prevents dripping and keeps building contents and insulation dry.

Limited availability of 10 Year Warranty and Non-Warranty Panel.

Inquire for availability prior to ordering.

Overlap

Underlap

The colors samples above are as accurate a representation of our actual metal colors as possible. Metal color samples are available to help make a final selection. To help ensure color matching, orders should be placed in full to ensure that all panel, trim and other items can be manufactured from the same color coded coil. Availability of specific colors & materials is subject to change.
THINGS YOU SHOULD KNOW:

- Direct contact between pressure-treated lumber and metal roofing should be avoided to prevent potential corrosion.
- Damage will occur to uninstalled panels or trim if allowed to remain wet while stored. When installation is delayed, any wet material should be air dried and re-stacked, then stored in a dry location.
- Metal shears should be used to cut all panels and trim pieces.
- Cutting panels or trim with electric saws has a tendency to produce extremely hot metal particles that can burn paint surfaces or leave rust marks on panels and trim. The same is true of any filings left on the roof caused by the application of screws. Care should be taken to brush all such particles from roof surfaces after application. Clean all metal shavings and particles off of the roof to avoid rust stains.
- Metal roof panels and trim should not be cut on the roof.
- After installation, metal roofs should be washed annually.

All trim pieces can be custom ordered to your specifications. See your retailer for details.
American Roofing Products - Panel

All panel is roll formed to length - see your sales representative about stocking programs.

American Roofing Products Proudly Offers

AmeriRib Panel

American Roofing Products Proudly Offers

AmeriRib Panel

Standard Specifications
- 29 GA Galvalume steel substrate
- 80 ksi minimum yield strength
- 21 standard colors (see color chart)
- 36” cover width
- ¾” major rib height
- 3:12 recommended minimum roof pitch

Options
- Color matched fasteners
- Custom matching trim

AmeriRib-HE
High Endurance Series
40 Year Warranty

AmeriRib-Plus
Plus Series
10 Year Warranty

AmeriRib-XL
Extended Life Series
Non-Warranty

Advantages
- Noncombustible
- Long service life with low maintenance

Typical Applications
- Agricultural
- Commercial
- Residential

CondenStop® available on all AmeriRib panel

CondenStop® prevents problems with condensation on metal buildings - see Accessories

The difference in our Products is our Service
American Roofing Products - Panel

All panel is roll formed to length - see your sales representative about stocking programs.

**Ameri-R Panel**

![Ameri-R Panel Diagram]

**Standard Specifications**
- 26 GA Galvalume steel substrate
- 80 ksi minimum yield strength
- 18 standard colors (see color chart)
- 36” cover width
- 1¼” major rib height
- Installs over solid substrate or open framing
- 1:12 recommended minimum roof pitch (sealant recommended in sidelp if <3:12 pitch)
- Standard lengths to 48’

**Advantages**
- Noncombustible
- Long service life with low maintenance
- Optimized for durability and color retention
- Optimized for solar reflectance and thermal emissivity

**Options**
- Color-matched fasteners
- Inquire about custom trims
- Inquire about nonstandard lengths

**Typical Applications**
- Commercial
- Industrial

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**Ameri-Standing Seam**

![Ameri-Standing Seam Diagram]

**Standard Specifications**
- 26 GA Galvalume steel substrate
- 50 ksi minimum yield strength
- 18 standard colors (see color chart)
- 16” cover width
- 1” rib height
- Installs over solid substrate
- 3:12 recommended minimum roof pitch
- Standard lengths to 48’

**Advantages**
- Noncombustible
- Accommodates solar panels
- Long life with low maintenance
- Optimized for color retention and longevity
- Optimized for solar reflectance and thermal emissivity

**Options**
- Concealed and exposed fastener trims (with color-matched fasteners)
- Inquire about custom trims and colors
- Inquire about nonstandard lengths
- Inquire about custom detailing

**Typical Applications**
- Residential
- Commercial
- Institutional

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The difference in our Products is our Service
American Roofing Products - Clear Panel

Clear panel can be custom ordered to any specifications - see your sales representative.

Corrugated Polycarbonate Sheets

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<th>NAME</th>
<th>OVERALL WIDTH</th>
<th>OVERALL LENGTH</th>
<th>NET COVERAGE</th>
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<td>SoftLite 85%</td>
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| RIDGE CAP | 24" | 10H" | –     | –   | –   | .048" |

Coverlite profiles match our AmeriRib & R Panel profiles for seamless transition from metal to clear panel! 10 Ft. panel lengths are standard.

Corrugated for Metal Buildings available in standard colors: clear, bronze and opal.

Corrugated Polycarbonate Sheets

<table>
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<tr>
<th>TYPE</th>
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<th>4'</th>
<th>6'</th>
<th>WL</th>
<th>COLOR</th>
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<td>to 48'</td>
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<td>3.1 lbs/ft²</td>
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<td>3.9 lbs/ft²</td>
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<td>to 48'</td>
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Multiwall Polycarbonate Sheets

HIGH LIGHT TRANSMISSION
Coverlite sheet offers a high degree of light transmission while blocking harmful ultraviolet rays. In its structured sheet form, Coverlite® also offers excellent thermal insulation properties.

VIRTUALLY UNBREAKABLE
Coverlite® is economical and light in weight, yet is 10 times stronger than acrylic and 200 times stronger than glass!

EASILY FABRICATED ON SITE
Highly flexible, a Coverlite® sheet can be easily cold formed and will not crack or splinter when fabricated.

ANTI-DROP/ANTI-FOG COATING
This high tech discovery ensures that greenhouse condensation is carried away from the roofing so that droplets will not damage your nursery stock.

POLYCARBONATE PROFILES
Join and/or cap off Coverlite® structured sheets with a complete line of polycarbonate profiles.

WARRANTY
Coverlite® carries a full pro-rated 10-year warranty against yellowing and loss of light transmission.

Call today for complete product information for a distributor in your area.

The difference in our Products is our Service
American Roofing Products - PVC Panel

PVC panel can be custom ordered to any specifications - see your sales representative.

**Corrugated PVC Liner Panel**

**Versatile, Strong and Safe!**

- **Agricultural**
  - Hog Barns
  - Dairy Farms
  - Poultry Farms
  - Fish Farms
  - Fertilizer Storage

- **Industrial**
  - Factories
  - Food Processing
  - Meat Packing
  - Salt Storage

- **Commercial**
  - Car / Truck Washes
  - Marinas
  - Loafing Sheds
  - Workshops

PVC liner panel is a special order item.

- High Gloss White Finish
- Non-Flammable
- Chemical Resistant
- Impact Resistant
- Rust Proof
- Low Maintenance
- Cleans Up Easily!

- 36" Coverage
- Lightweight and Easy to Install - No Special Tools Needed!

**PVC Corrugated Roofing Panel**

- UV protected on one side
- Minimum light transmission
- Highly chemical resistant
- Available in 8' & 12' lengths
- Width coverage: approx: 24"
- Available colors: White & Beige
- LIMITED 5-YEAR WARRANTY

PVC roofing panel is a special order item.

INQUIRE ABOUT OUR STOCKING PROGRAMS

The difference in our Products is our Service.
TRIM
American Roofing Product’s Universal Ridge Cap is standard 10’6” long, saving time & expense by providing necessary overlap length in each cap.

Small (3”) & Large (4”) Outside Corners available in the following lengths: 10 Ft. 3 In, 12 Ft. 3In, 14 Ft. 3 In, 16 Ft. 3In, 18 Ft. 3 In, 20 Ft. 3 In.

With the exception of Ridge Caps or otherwise noted, all other trim pieces listed on the following pages come standard at 10 Feet 3 Inches in length.
American Roofing Products - Trim Products

All trim can be custom folded to your specifications - use our custom trim worksheet.

Residential Gable/Rake

Residential Gable, or Rake, is available in the following:
- 10 Ft. 3 In. (standard)
- 12 Ft. 3 In.
- 14 Ft. 3 In.
- 16 Ft. 3 In.
- 18 Ft. 3 In.
- 20 Ft. 3 In.

Transition

Transition standard length is 10 Ft. 3 In.

Transition trim is used where metal roofs transition from higher pitch to lower pitch.

W Valley

W Valley standard length is 10 Ft. 3 In.

W Valley is used where two roof slopes meet in a valley.
American Roofing Products
American Roofing Products
American Roofing Products

All trim can be custom folded to your specifications - see your sales representative.

**Drip Edge**

PAINTED SIDE

3\(\frac{7}{8}\)"

2"

125.0°

\(\frac{1}{2}\)"

3/8" Closed Hem

Drip Edge standard length is 10 Ft. 3 In. Install Drip Edge over underlayment, and along every eave.

**Extended Drip Edge**

PAINTED SIDE

5"

1\(\frac{1}{2}\)"

2"

135.0°

\(\frac{1}{2}\)"

3/8" Closed Hem

Extended Drip Edge standard length is 10 Ft. 3 In. Install Drip Edge over underlayment, and along every eave.

**Short Drip Edge**

PAINTED SIDE

2"

3/4"

45.0°

1"

135.0°

\(\frac{1}{2}\)"

3/8" Closed Hem

Short Drip Edge standard length is 10 Ft. 3 In. Install Drip Edge over underlayment, and along every eave.

**Long Drip Edge**

PAINTED SIDE

3"

3/4"

45.0°

2\(\frac{1}{4}\)"

135.0°

\(\frac{1}{2}\)"

3/8" Closed Hem

Long Drip Edge standard length is 10 Ft. 3 In. Install Drip Edge over underlayment, and along every eave.

The difference in our Products is our Service
American Roofing Products - Trim Products

All trim can be custom folded to your specifications - use our custom trim worksheet.

**Side Wall**

PAINTED SIDE

3½”

3⅛”

3⅛” Closed Hem

Side Wall standard length is 10 Ft. 3 In. Side Wall is installed where a side wall connects to a roof.

**End Wall**

PAINTED SIDE

VARIES

4½”

3⅛” Closed Hem

End Wall standard length is 10 Ft. 3 In. End Wall is installed where an end wall connects to a roof.

**Rat Guard**

PAINTED SIDE

7/8”

1⅛”

1⅛”

3⅛” Closed Hem

Rat Guard standard length is 10 Ft. 3 In. Rat Guard, or Base Guard, is installed at the base of walls.

**Drip Flashing**

PAINTED SIDE

7/8”

1/2”

2¼”

3⅛” Closed Hem

Drip Flashing standard length is 10 Ft. 3 In.
American Roofing Products - Trim Products

All trim can be custom folded to your specifications - see your sales representative.

Eave Moulding

3 1/2''

SPECIFY

135.0°

1''

3/8'' Closed Hem

Eave Drip standard length is 10 Ft. 3 In.

Fascia/Angle

1 1/2''

PAINTED SIDE

3/8'' Closed Hem

Fascia standard length is 10 Ft. 3 In.
Specify size if other than 6”.

Inside Corner

3/4''

1 1/16''

ANGLE
A = 135°
B = 135°

Inside Corner standard length is 10 Ft. 3 In.

Witch Hat (Snow Guard)

1 1/2''

PAINTED SIDE

3/8'' Closed Hem

Witch Hat (Snow Guard) standard length is 10 Ft. 3 In.
American Roofing Products - Trim Products

All trim can be custom folded to your specifications - use our custom trim worksheet.

Gambrel

Gambrel standard length is 10 Ft. 3 In.

Gambrel trim is used where metal roofs transition from a low pitch to high pitch.

Soffit/Fascia Combo

Soffit/Fascia combo standard length is 10 Ft. 3 In.

Chimney Flashing

Chimney Flashing standard length is 10 Ft. 3 In.

Soffit

Soffit is available by special order:
- Available in aluminum or steel.
- 16” vented or solid coverage.
- 12” or 24” lengths.
- Pre-painted to match roof panel.

Z Flashing

Z Flashing standard length is 10 Ft. 3 In.
American Roofing Products - Trim Products

All trim can be custom folded to your specifications - see your sales representative.

**F-J Trim**

- Standard length: 10 Ft. 3 In.
- Measurements:
  - 1½" (3/8" Closed Hem)
  - 1" (PAINTED SIDE)
  - 7/8" (7/8" Closed Hem)
  - 3 ¼" (PAINTED SIDE)
  - 2 ¼" (3/8" Closed Hem)

F-J Trim is designed for trimming out openings on your wall panels.

**J Channel**

- Standard length: 10 Ft. 3 In.
- Measurements:
  - 2 ¼" (2 ¼"
  - 1" (PAINTED SIDE)
  - 7/8" (7/8" Closed Hem)
  - 3 ¼" (3/8" Closed Hem)

J Channel is designed for trimming out openings on your wall panels.

**Rain Guard/Angle**

- Standard length: 10 Ft. 3 In.
- Measurements:
  - 1 ½" (3/8" Closed Hem)
  - 3 ½" (3/8" Closed Hem)
  - 1 ½" (PAINTED SIDE)

Rain Guard/Angle standard length is 10 Ft. 3 In. Specify if a non-standard size is required.

**National Track Cover**

- Standard length: 10 Ft. 3 In.
- Measurements:
  - 2 3/8"
  - 3 3/8"
  - 1 ½"

National Track Cover standard length is 10 Ft. 3 In.
American Roofing Products - Trim Products

All trim can be custom folded to your specifications - use our custom trim worksheet.

### Door Post Trim

- **PAIRED SIDE**
- **8 3/4"**
- **1 1/2"**
- **3/8" Closed Hem**
- **1 1/2"**

Door Post Trim standard length is 10 Ft. 3 In.

### Overhead Door Trim

- **PAIRED SIDE**
- **7/8"**
- **1 5/8"**
- **3/4"**
- **8 1/2"**

Overhead Door Trim standard length is 10 Ft. 3 In.

### Cannon Track Cover

Cannon Track Cover standard length is 10 Ft. 3 In.

See our door track section for full information and parts for door track assembly.
SCREWS
SCREWS
American Roofing Products - Screws

Our most common screws are in stock; all others can be custom ordered - see your sales representative.

**Metal to Wood & Metal to Metal Screws**

### Application

#### HiLo Woodgrip 10–15
**Assembled Bond Seal washer**
**Metal to wood**
- Drilling capacity: 24 ga (.024)
- Self-drives through the metal panel and taps into wood substrate.
- Min penetration in wood substrates should be no less than 1".

#### Woodgrip XG 12–8 HWH
**Sharp Point**
**Assembled with Control Seal**
**Metal to wood**
- Drilling capacity: 24 ga (.024)
- Self-drives through the metal panel and taps into wood substrate. Large, aggressive thread design provides superior resistance to stripping-out and superior performance in OSB, ply wood, and 2x4 pine. Min penetration in wood substrates should be no less than 1".

#### Woodgrip 12 x 3/4 Lap
**Assembled Bond Seal washer**
- Drilling capacity: 2 x 24 ga.
- Panel to panel, side lap, end lap and other stitch applications.

#### Woodgrip HiLo 10-15 Low Profile
**Exterior Sidewall Fastener, Bond Seal**
- Drilling capacity: 24 ga (.024)
- Self-drives through the metal panel and taps into wood substrate.
- Min penetration in wood substrates should be no less than 1".

### Options

#### HiLo Woodgrip 10–15
- 1/4" Hex Washer Head
- Thread Major Dia.: 0.191
- Thread Minor Dia.: 0.133
- Strength (lbs ultr): Tensile: 1600
- Torsional: 60 in-lbs min.
- Shear: 933

#### Woodgrip XG 12–8 HWH
- 1/4" Hex Washer Head
- Thread Major Dia.: 0.210
- Thread Minor Dia.: 0.133
- Strength (lbs ultr): Tensile: 2100
- Torsional: 60 in-lbs min.
- Shear: 1800

#### Woodgrip 12 x 3/4 Lap
- 1/4" Hex Washer Head
- Thread Major Dia.: 0.206
- Thread Minor Dia.: 0.164
- Strength (lbs ultr): Tensile: 2400
- Torsional: 80 in-lbs min.
- Shear: 933

#### Woodgrip HiLo 10-15 Low Profile
- 1/4" TORKX Pan Head
- Thread Major Dia.: 0.191
- Thread Minor Dia.: 0.133
- Strength (lbs ultr): Tensile: 1500
- Torsional: 60 in-lbs min.
- Shear: 933

### Notes

Dimensions are nominal inches unless noted.

3/8" AF Zinc Aluminum Capped
- Hex Washer Head
- Thread Major Dia.: 0.216
- Thread Minor Dia.: 0.166
- Strength (lbs ul): Tensile: 3450
- Torsional: 100 in-lbs
- Shear: 2429
- Pull-out (lbs ul): 12 ga (100): 1378
- 3/16" (187) Exceeds tensile value
- 1/4" (1250): Exceeds tensile value

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*The difference in our products is our service*
American Roofing Products - Screws

Our most common screws are in stock; all others can be custom ordered - see your sales representative.

Metal to Wood & Metal to Metal Screws

Woodgrip™ Fasteners

Woodgrip is the original sheet to wood fastener designed to self-drill metal panels:
- High Hex Washer Head provides driving stability and a sharp point for quick installation.
- Assembled with a control seal washer for a consistent, weather tight seal and improved installation appearance.
- Extended corrosion resistant coating system.

Woodgrip XG is a sheet to wood fastener designed to self-drill metal panels:
- Superior performance in OSB, plywood and 1x4 pino.
- Superior resistance to strip out
- Extra aggressive thread design.
- Improved pullout and backout values over other wood screws by as much as 30%.
- Extended corrosion resistant coating system.

Woodgrip #14 Type A mill point carbon steel self-tapping fasteners are designed for attaching both metal and metal to metal:
- These fasteners do not require a pre-drilled hole when attaching 29 and 24 gauge metal to wood.
- Corrosion resistant coating system.

HiLo Woodgrip is a sheet to wood fastener designed to self-drill metal panels:
- High Hex Washer Head provides driving stability and a milled point for quick installation.
- Assembled with a bond seal washer for a consistent, weather tight seal and improved installation appearance.
- Extended corrosion resistant coating system.

HiLo Woodgrip #14 Type A MP, Low Profile Woodgrip
- Low profile head for pleasing appearance.
- Mill point ensures great drill performance.
- HiLo thread with added pull-out resistance.
- Available with bond seal for exterior sidewall application or no washer for interior applications.
- Corrosion resistant seating system.

Options

Performance Pounds Ultimate

| #9 Woodgrip Control Seal Washer | Pull-out (lbs ult.)
| Wood: Spruce, Pine, Fir |
| 1-1/2" Penetration | 748 |
| 1" Penetration | 542 |
| #10 HiLo Woodgrip Bond Seal Washer | Pull-out |
| 1-1/2" Penetration | 820 |
| 1" Penetration | 524 |
| #10 HiLo Torx Pan Head Woodgrip | Pull-out |
| 1-1/2" Penetration | 820 |
| 1" Penetration | 524 |
| #14 Type A Milled Point | Pull-out |
| 1" Penetration | 1013 |

Selection

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<tr>
<th>Size</th>
<th>Woodgrip</th>
<th>HiLo Woodgrip</th>
<th>Woodgrip XG</th>
<th>Exterior Low Profile</th>
<th>Interior Liner Panel</th>
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<td>V1020-CDF</td>
<td>V1856-EMF</td>
<td>—</td>
<td>—</td>
<td>A2597-G6F</td>
</tr>
<tr>
<td>3&quot;</td>
<td>V0485-CCF</td>
<td>V1024-CDF</td>
<td>V1981-EMF</td>
<td>—</td>
<td>—</td>
<td>A3626-G6F</td>
</tr>
<tr>
<td>12 x3/4&quot; (1/4&quot; WWH)</td>
<td>V1701-ECF</td>
<td>V1701-EAF</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

The difference in our Products is our Service
PIPE FLASHING
American Roofing Products - Accessories

Most common pipe flashings are in stock - all others can be custom ordered - see your sales representative.

Pipe Flashing - Square & Round Base

### Material Specifications

<table>
<thead>
<tr>
<th>Test Type</th>
<th>EPDM</th>
<th>Silicone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advance ozone resistance test @ 500 ppm</td>
<td>70 Hrs</td>
<td>70 Hrs</td>
</tr>
<tr>
<td>Intermittent</td>
<td>+275°F</td>
<td>+500°F</td>
</tr>
<tr>
<td>Continuous</td>
<td>+212°F</td>
<td>+437°F</td>
</tr>
<tr>
<td>Low temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resistance tested to</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tensile strength</td>
<td>1450 psi</td>
<td>700 psi</td>
</tr>
</tbody>
</table>

- The aluminum base is corrosion resistant and conforms to any panel configuration or roof pitch.
- Retrofit flashing is available for piping, with welded caps or cross bars.
- Pipe opening can be easily customized on job site utilizing clearly marked pipe diameters on each flashing.
- EPDM and Silicone are both flexible materials, resistant to ultraviolet rays, cracking or weathering.
- Available in standard square, or round base.
- Available in EPDM black or silicone red.

### Square Base

<table>
<thead>
<tr>
<th>Size</th>
<th>Pipe Size</th>
<th>Base Size</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1/4 - 2-3/4&quot;</td>
<td>4-1/2&quot;</td>
<td>Closed Top</td>
</tr>
<tr>
<td>2</td>
<td>1-3/4 - 3&quot;</td>
<td>6-1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1/4 - 5-3/4&quot;</td>
<td>8&quot;</td>
<td>Closed Top</td>
</tr>
<tr>
<td>4</td>
<td>2-3/4 - 7&quot;</td>
<td>10&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4 - 8-1/4&quot;</td>
<td>11&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>4-3/4 - 10&quot;</td>
<td>12&quot;</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>5-1/2 - 11&quot;</td>
<td>14&quot;</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>6-3/4 - 13-1/2&quot;</td>
<td>17&quot;</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>9-1/2 - 20-1/2&quot;</td>
<td>25&quot;</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>12 - 28-1/2&quot;</td>
<td>34&quot;</td>
<td></td>
</tr>
</tbody>
</table>

### Round Base

<table>
<thead>
<tr>
<th>Size</th>
<th>Pipe Size</th>
<th>Base Size</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1/4 - 2-1/2&quot;</td>
<td>4-3/4&quot;</td>
<td>Closed Top</td>
</tr>
<tr>
<td>2</td>
<td>1-3/4 - 3&quot;</td>
<td>6-1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1/4 - 5&quot;</td>
<td>7-3/4&quot;</td>
<td>Closed Top</td>
</tr>
<tr>
<td>4</td>
<td>3 - 6-1/4&quot;</td>
<td>9-1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4-1/4 - 7-3/4&quot;</td>
<td>10-3/4&quot;</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>5 - 9&quot;</td>
<td>12-1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>6 - 11&quot;</td>
<td>14-1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>7 - 13&quot;</td>
<td>18-1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>9 - 19&quot;</td>
<td>25-1/2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

### Retrofit Square Base

<table>
<thead>
<tr>
<th>Size</th>
<th>Pipe Size</th>
<th>Base Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1/2 - 4&quot;</td>
<td>8-3/16&quot;</td>
</tr>
<tr>
<td>2</td>
<td>4 - 9-1/4&quot;</td>
<td>14-1/4&quot;</td>
</tr>
<tr>
<td>3</td>
<td>9-1/4 - 16-1/4&quot;</td>
<td>21-1/2&quot;</td>
</tr>
</tbody>
</table>

### Retrofit Round Base Zipper

<table>
<thead>
<tr>
<th>Size</th>
<th>Pipe Size</th>
<th>Base Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3/4 - 2-3/4&quot;</td>
<td>4-3/4&quot;</td>
</tr>
<tr>
<td>2</td>
<td>2 - 7-1/4&quot;</td>
<td>10-3/4&quot;</td>
</tr>
<tr>
<td>3</td>
<td>3-1/4 - 10&quot;</td>
<td>25-1/4&quot;</td>
</tr>
</tbody>
</table>

### Multi-Flash Square Base

<table>
<thead>
<tr>
<th>Size</th>
<th>Standard Pipe Size</th>
<th>Retrofit Pipe Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1/4 - 5 - 3/4&quot;</td>
<td>2 - 4-1/2&quot;</td>
</tr>
<tr>
<td>5</td>
<td>4 - 8-1/4&quot;</td>
<td>3-1/2 - 6-3/4&quot;</td>
</tr>
<tr>
<td>8</td>
<td>6-3/4 - 13-1/2&quot;</td>
<td>6-1/2 - 12&quot;</td>
</tr>
<tr>
<td>MAXI</td>
<td>12 - 28-1/2&quot;</td>
<td>13 - 27&quot;</td>
</tr>
</tbody>
</table>

The difference in our Products is our Service
ACCESSORIES
ACCESSORIES
CondenStop® CCM (Condensation Control Membrane) is an innovative product designed specifically to prevent problems caused by condensation in buildings and metal roof systems. CondenStop® CCM prevents dripping and keeps building contents and insulation dry.

CondenStop® CCM is the most secure and comfortable solution to deal with condensation in metal roofing. CondenStop® is applied directly to metal roofing panels by American Roofing Products - see your sales representative.
American Roofing Products - Accessories

Our most common accessories are in stock - all others can be custom ordered - see your sales representative.

Closures, Butyl Tape, Valley Seal

Inside and Outside Closure Strips

Typical Inside Closure Application

Typical Outside Closure Application

- The industry standard for closure material — time tested; millions of feet installed over the last 30-plus years.
- Polyethylene foam for exceptional strength and compressibility.
- Available with adhesive applied to the contact side of the panel surface to ensure passive positioning during installation.
- Resists damaging ultra violet rays and ozone deterioration
- Over 1800 panel configurations available.
- Manufactured in multiple plants for quick delivery.

Material Thickness: 1", 1-1/2", 2"
Color: Black

Butyl Tape

<table>
<thead>
<tr>
<th>Size</th>
<th>Feet Per Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/16&quot; Bead Butyl Sealant</td>
<td>25' Roll</td>
</tr>
<tr>
<td>3/8&quot; x 3/32&quot; Butyl Sealant</td>
<td>45' Roll</td>
</tr>
<tr>
<td>1/2&quot; x 3/32&quot; Butyl Sealant</td>
<td>50' Roll</td>
</tr>
<tr>
<td>3/4&quot; x 3/32&quot; Butyl Sealant</td>
<td>50' Roll</td>
</tr>
</tbody>
</table>

- Designed for side and end lap sealing of metal panels, roof vents and pipe flashing
- Meets sealing requirements for AC, refrigeration and windows
- Extruded on silicone coated paper for easy application
- Greater cohesive strength
- Superior adhesion
- Withstands extreme roof temperatures
- Superior low temperature compressibility
- Cold flow resistant
- Resistant to UV light
- Contains anti-oxidants, fungicides and anti-bacterial agents
- Seal not affected by normal movement of building
- Wide service temperature range

Hannoband® BG1 Valley Seal

- Hannoband® BG1 is a pre-compressed, self-expanding polyurethane foam with acrylic dispersion impregnation.
- Provides resistance to rain, wind, sound, draft and dust
- Use for sealing joints and seams in metal panels, gaps around doors and windows, and expansion joints in buildings.
- Pressure sensitive adhesive for fast and easy installation
- Flame retardant

<table>
<thead>
<tr>
<th>Compressed Dimension</th>
<th>Expanded Dimension</th>
<th>Joint Depth</th>
<th>Joint Width</th>
<th>Max.</th>
<th>Min.</th>
<th>Roll Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot; x 1&quot;</td>
<td>1/4&quot; x 1&quot;</td>
<td>1&quot;</td>
<td>1/8&quot;</td>
<td>1/4&quot;</td>
<td>0.2 ft.</td>
<td>10.4 ft</td>
</tr>
<tr>
<td>3/8&quot; x 1&quot;</td>
<td>3/32&quot; x 1&quot;</td>
<td>1/4&quot;</td>
<td>3/8&quot;</td>
<td>1/4&quot;</td>
<td>13.4 ft.</td>
<td>13.4 ft</td>
</tr>
</tbody>
</table>

ProfileVent 3' Stick

New or re-roof on Parlin or wood deck Construction:
Use a 2" opening at the ridge to provide ventilation. On new or re-roof wood deck construction, cut a 2" slot at the ridge (1" each side, start cut 6" from gable ends). On parlin construction position panels to leave a 2" opening.

Also available in 20', 50 and 100' rolls for both Hardy Panel and R Panel profiles.

- For 3/4" Hi-Rib roofs
- 1" deep x 2" wide x 3' length
- Installs just like closure
- No release paper
- New improved adhesive
- Cut to fit profile
- Won't dry out from exposure
- 24 pieces/carton — 72 linear feet

The difference in our Products is our Service
American Roofing Products - Accessories

Our most common accessories are in stock - all others can be custom ordered - see your sales representative.

**DRI - VENT Vented Closures**

**DRI-VENT**

*Vented Closure*

for SUPERIOR metal roof ridge ventilation

---

**DRI - VENT Ridge Ventilation**

The superior venting material to seal gaps between ribs at the ridge

- Remove DRI-VENT release paper
- Apply to underside of ridge cap with pressure sensitive adhesive
- Install ridge cap with screws

**PACKAGING**

- **SIZE:** 1.75” x 1.1”/1.5” (convoluted) x 10’ roll with adhesive
- **BOX:** 10 rolls per box (100’/box)
- **SKID:** 27 boxes per skid (270’/skid)

---

**Touch Up Paint & Pens**

American Roofing Products offers touch up spray paint and pens to help with those little scuffs and scrapes. Only the highest quality paints and lacquers are used in order to insure the best and most durable touch-up paint products.

Exact colors of touch up paint may be affected by temperature, age and application process, and may also vary from the substrate colors due to the age and condition of the substrate. American Roofing Products recommends testing touch up paint for color prior to application to the roof. Exact matches to substrate material colors cannot be guaranteed.

---

The difference in our Products is our Service
American Roofing Products - Accessories

Our most common accessories are in stock - all others can be custom ordered - see your sales representative.

Rex House Wrap

REX™ Wrap is a tear resistant woven and coated polypropylene weather resistant barrier that provides air and moisture protection. REX™ Wrap is manufactured with great translucency for easier on stud installation without the need for nailing marks and offers tear strength that will withstand the rigors of the job site and weather elements.

Micro perforated to allow moisture vapor to escape the wall cavity while holding out bulk water intrusion

Great translucency for easy stud installation

Excellent tear strength

Meets or exceeds all applicable building codes

Custom 2 color printing available at no extra cost. (One pallet minimum)

Rex SynFelt Underlayment

REX™ SynFelt is a high strength woven synthetic roof underlayment that can save you 50% in labor and time expense, compared to 30# felt. Here’s why:

- The most slip resistant underlayment in the industry
- 20 times stronger than felt—won’t tear-off or buckle when wet
- 10X lighter per square and 20X stronger than 30# felt
- 10 squares per roll weighing only 28 lbs (250 ft roll)
- 5 squares per roll weighing only 14 lbs (125 ft roll)
- UV resistant and can be exposed for up to 6 months
- Light gray color reduces heat and provides cooler working surface

Pre-printed nailing pattern speeds installation. The smartest builders and roofer in America use REX™ SynFelt.

INQUIRE ABOUT OUR STOCKING PROGRAMS

Reflective Foil Insulation

Double Bubble / Single Bubble Insulation

A safe and easy to use thermal insulation.

- Double Bubble consists of two 94% reflective layers of film bonded to two internal layers of heavy gauge polyethylene bubbles (total thickness 5/16”). Single Bubble consists of one reflective layer.

R-Value—Reflective foil insulation is designed to reflect heat, and R-Value is a measure of how quickly heat will pass through a material. The bubbles in the foil offer minimal R-Value. The value is in it’s very high heat reflecting ability.
American Roofing Products - Accessories

Our most common accessories are in stock - all others can be custom ordered - see your sales representative.

Snow Shoes (Snow Control)

PC240
The PC240 is an all Polycarbonate Snow Guard. This snow guard is clear which makes it all but invisible.

- Polycarbonate Lexan 103-112
- UV Stable
- Screw or Adhesive Mounted
- Very Strong
- 50 Per box
- Made In USA
- Patented

4500
The patented Snow Defender™ 4500 is the snow guard you need for long lasting protection against melting snow. Designed for use with exposed fastener panels on 2x4 purlins in the flat position.

- Made w/ 16 Gauge Type 304 Stainless Steel
- EPDM Rubber Sealer
- Powder-Coated
- 50 Pieces per 15 Pound Box
- No Caulk Needed
- Patented

6500
The patented Snow Defender™ 6500 is designed for standing seam roofs and is the snow guard of choice for many roofers. It fits standing seams up to 3/8” width and 1” through 1 3/4” seam height.

- Made w/ Type 304 Stainless Steel
- Powder Coated
- 32 Pieces per Box
- Does Not Penetrate Through Metal
- Patented

Vinyl Back Insulation

6’ wide x 100’ long (with 2” tabs on either side), 3” depth is typical. Depths, lengths and widths can be custom ordered. Pricing and availability vary.

American Roofing Product’s sales representatives can custom quote your project.

Vinyl sealing tape is also available.

3” in stock.

<table>
<thead>
<tr>
<th>Depth</th>
<th>R Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>3”</td>
<td>R10</td>
</tr>
<tr>
<td>4”</td>
<td>R13</td>
</tr>
<tr>
<td>6”</td>
<td>R19</td>
</tr>
<tr>
<td>8”</td>
<td>R25</td>
</tr>
<tr>
<td>9.5”</td>
<td>R30</td>
</tr>
</tbody>
</table>

In stock supplies are limited - please call for availability. All American Roof Product colors are available.

The difference in our Products is our Service
American Roofing Products - Accessories

Our most common accessories are in stock - all others can be custom ordered - see your sales representative.

Cupolas

- All cupolas are pre-painted 29ga steel construction.
- Available in over 100 standard colors.
- Optional weather vanes.
- All metal edges are hemmed.
- No need to worry about red-rust.
- Roof and slides interlock for weather tight connections.
- Assembles easily at the job site.
- Assembly instructions included.

All cupolas are special order items.

Vinyl Utility Windows

<table>
<thead>
<tr>
<th>Specifications:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Grille included</td>
<td>No</td>
</tr>
<tr>
<td>Integral J-channel</td>
<td>Yes</td>
</tr>
<tr>
<td>Locking</td>
<td>Yes</td>
</tr>
<tr>
<td>Manufacturer Warranty</td>
<td>Limited Lifetime</td>
</tr>
<tr>
<td>Paintable/Stainable</td>
<td>No</td>
</tr>
<tr>
<td>Product Weight (lb.)</td>
<td>Varies by model</td>
</tr>
<tr>
<td>Returnable</td>
<td>90-Day</td>
</tr>
<tr>
<td>Window Type</td>
<td>Sliding Window</td>
</tr>
<tr>
<td>Frame Material</td>
<td>Vinyl</td>
</tr>
<tr>
<td>Insect screen included</td>
<td>Yes</td>
</tr>
<tr>
<td>Jamb Depth (in.)</td>
<td>3</td>
</tr>
<tr>
<td>LowE rating</td>
<td>No</td>
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<tr>
<td>Material</td>
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<tr>
<td>Privacy glass</td>
<td>No</td>
</tr>
<tr>
<td>Tinted glass</td>
<td>No</td>
</tr>
</tbody>
</table>

Available as special order, insulated and non-insulated. See price sheet for sizes and pricing.

The difference in our Products is our Service.
DOOR TRACK HARDWARE
1. Single leaf sliding doors require (2) vertical rails. Split sliders require (3) vertical & (1) H rail. Allow for minimum of 1” overlap on top of rough opening & overlap bottom as needed.  

*NOTE: 2244 will add 2” to overall height of sliding door.*

2. A horizontal box girt is suggested for every 24” of height for sliding doors; for example, a 12’ tall door would require at least 6 steel horizontals. Cut box girts to desired length, allowing minimum 2½” overlap to each side of finished opening.

3. One of the steel horizontal box girts will become the top “header” horizontal. A ½” hole will need to be drilled at least 8” from each end of door. Larger doors will require ½” hole to be greater distance from the edge.

4. Lay verticals face down & slide top horizontal and bottom rail into place, make sure these are fully engaged into verticals. Fasten (1) #10x¾” self-tapper into each end. Position rest of horizontals into place every 24” on center. Check for squareness & ensure all horizontals are pushed tightly into verticals. Attach (2) #10x¾” self-tappers per horizontal - per side.

5. Attach sheet steel and/or any trim pieces to door. Attach trolleys through ½” hole in top horizontal and tighten lock washer & nut up to top horizontal. The final adjustment of door position will be made after door is securely hung in track.

**Installation overview continued on the next page.**
American Roofing Products - Door Track

Our most common door track parts are in stock - all others can be custom ordered.

Sliding Door Installation Overview

6. Install a length of door track double the finished opening width, ensuring this is straight & level. Position door beneath track and lift vertically to insert trolleys one at a time. Use trolley hanger adjustments to move door up, down, in or out. Securely fasten adjustment washer into top horizontal.

7. Add end caps to each end of track. End caps are not designed as a door stop. If desired, install track cover and end trims.

8. Accessories can be installed to user preference.

   - Door stops are to be placed at each end of track
   - Jamb latches (A) and jamb mount stops (B) are installed on the jamb to secure a door against the jamb
   - Center chain snugger (C) or center latch (D) are used to hold bi-parting door panels together
   - Center door guides are mounted at the center of split sliding door opening

9. For installation of bottom guide rail, start with door in closed position. Rail used needs to be at least one half of the door panel width. When guide rail is centered in bottom rail, loosely fasten guide rail to brackets. Using provided fasteners, fasten first mounting bracket to base board of building. Roll door open to fasten last bracket to base board. Repeat for any center brackets required.

10. Check movement of door to make sure it slides without rubbing, then secure all fasteners in brackets and rail.

For more information on door installation see your retailer or your American Roofing Products sales representative.

The difference in our Products is our Service
American Roofing Products - Door Track

Our most common door track parts are in stock - all others can be custom ordered.

Round Track Options

BC201 Versa Track
14 gauge round track with key slots for doors up to 600 lbs. Used with round track brackets for single and double runs. Keyhole slots are reverse punched every 24” for mounting brackets.

Available in all even lengths from 6’ - 20’ & 24’

BC205 Track
14 gauge face mount track for no cover for doors up to 600 lbs. Brackets riveted to track every 24”.
Primarily used for horse stall door application.

Available in 8’ length

BC211 Track
14 gauge face mount for cover for doors up to 600 lbs. Brackets riveted to track every 24”.

Available in all even lengths from 8’ - 20’

Round Track Brackets/Accessories

BCISP-201 - 102010100
Splice collar for use of connecting two sections of round track

All brackets shown are used with BC201 versa track. Bracket spacing is recommended every 24”

BC1-201 - 102010101
Face mount track bracket for no cover.
Use with BC201 versa track.

PB201ECS - 102010219
End caps for round track.
Packaged in pairs with fastening hardware.

L2-201 - 102010102
Face mount track bracket for cover for 3 ½” door.

Round Track End Trim

PB211-ETS - 102110100
White end trim covers for face mount.
Call for availability and pricing on different colors

PB214-ETS - 102140100
White end trim covers used with BC214 fast track for matching trim.
Includes PB201ECS end caps.
Call for availability and pricing on different colors

PB213-ETS - 102130100
White end trim covers for top mount.
Call for availability and pricing on different colors

Round track end trim pieces are special order. See your sales representative.
Round Track Trolley Options

**DROP STRAP STYLE**

R29S - 100290001
For use on wood doors up to 600 lbs. Includes door straps for doors 1 3/16” to 2 7/8” thick. Packaged with PB201BSC end caps.
Drop strap style trolleys are great for installation on wood doors, offering easy vertical and horizontal adjustments.

**FRONT ADJUSTING STYLE**

PB28T9 - 100280009
For use on wood/metal frame doors up to 600 lbs. Includes 9” bolt front adjusting bolt for easy adjustments.
Front adjustment style trolleys allow for easy horizontal adjustment of door placement. Simply turn the horizontal adjustment bolt after door installation with a wrench.

**OFFSET BOLT STYLE**

PB25T9 - 100250309
For use on wood/metal frame doors up to 600 lbs. Includes 1 1/2” washer with flexible seat for 9” offset bolt.
Offset bolt style trolleys allow for easy horizontal adjustment of door placement. Simply turn the offset bolt into the desired position and then fix the lock washer to the steel header.
* This is a special order item.

Sliding Door Accessories

**LATCHES**

PB128 - 101280100
Center Latch
Cam action center latch used to secure split wood or metal doors.

PB121 with 7” Hook - 101210***
Cam action jamb latch used to hold the door against the jamb. Packaged with:
(3) #12x1” Flat Head Wood Screws

**STAY ROLLERS**

PB97S - 100970000
Used to hold a sliding door against the wall. Adjustable for 1 3/16” to 3 3/16” doors. 2” diameter wheel. Also fits in the 2244 bottom rail.

**DOOR STOPS**

PB66 White - 100660200
Door Stop
Heavy duty adjustable stop for doors up to 4 1/4”. Call for availability and pricing on different colors.

BC65S - 100650000
Door Stop
Door stop with stiffener ribs for added strength. For doors up to 2 3/4”. Packaged with (3) 3/8 x 2” Lag Bolts
Call for availability and pricing on different colors.
American Roofing Products - Door Track

Our most common door track parts are in stock - all others can be custom ordered.

1½” Aluminum Door Rails—2200 Series

- 2200 Vertical Side Rail
- 2216 Vertical H-Rail
- 2244 Horizontal Bottom Rail (use with TBSG Bottom Guide)

2200 Side Rail available in all even foot lengths from 8’ - 20’
2216 H-Rail for split doors available in all even foot lengths from 8’ - 20’
2244 Bottom Rail available in all even foot lengths from 8’ - 20’

Call for availability and pricing on different colors

Header Profiles - Track & Trolleys

- 201 TRACK W/ BC3-201 BRACKET
  Single Header Track & Trolley Model PB25T9

- BC16-201 Double Track Bracket with Retainer Bracket
  Double Header Track & Trolley Model PB28T9

Double run bracket BC16-201 is also available individually.

The difference in our Products is our Service
American Roofing Products - Door Track

Our most common door track parts are in stock - all others can be custom ordered.

Bottom Rail Profiles

- 1600WB Bottom Rail with TRG Bottom Guide
  - Special Order

- 2244 Bottom Rail with PB97S Stay Roller
  - In Stock

- 2244 Bottom Rail with TBSG Bottom Guide
  - Special Order

- 3394 Bottom Rail with BC92S Stay Roller
  - Special Order

- 3394 Bottom Rail with TBSG Bottom Guide
  - Special Order

Cannon Track Cover

From our trim pages, Cannon Track Cover is available for all door installation projects.

- Standard length is 10 Ft. 3 In.
- Custom lengths are available.

The difference in our Products is our Service
TOOLS
American Roofing Products - Tools

NPC Solar Seal is always in stock - all others can be custom ordered - see your sales representative.

Malco Tools

Malco TurboShear Heavy Duty™
The rugged but inexpensive TurboShear HD cuts straight and to the left and makes fast cuts in material thickness up to 18-gauge galvanized steel. Cutting applications include both ferrous and non-ferrous sheet metals, metal roofing/building panels, vinyl, steel mesh, ductwork, even the thick metal of furnace jackets, equipment enclosures or automotive body panels. Adjusts to fit both length and width of popular drill sizes including the more compact motor housings of lithium ion battery powered units.

For premium performance without the premium price of a dedicated power shear, TURBOSHEAR HD is an easy addition to every tool bag.

Malco Corrugated Metal TurboShear™
This versatile and portable TurboShear fits a drill you already own to make easy cross cuts, fast lengthwise cuts, even circles and square outlet cuts, in large or small pattern corrugated metal roofing and most other non-standing-seam metal roofing and building panels including trapezoidal box patterns.

Elongated blades with compact jaws create a 75-degree offset so that the drill is held at a nearly vertical approach when starting a cut. This steep offset allows the drill handle or battery pack to tip down slightly and still clear the roofing panel surface as the shear head follows the rising angle of a corrugated or trapezoidal profile. Cutting capacity is rated for 30 to 24-Ga. (0.31 – 0.61 mm) metal roofing, including layered seams. Long lasting blades are also easily replaceable.

All Malco Tools are available - see your sales representative

Hand Seamers, Mini Brakes, Folding Tools, Shears

Proudly made in the USA
QUICK POINTS YOU SHOULD KNOW:

- Direct contact between pressure-treated lumber and metal roofing should be avoided to prevent potential corrosion. If purlins or furring strips are used, ensure they are not pressure treated.
- Damage will occur to uninstalled panels or trim if allowed to remain wet while stored. When installation is delayed, any wet material should be air dried and re-stacked, then stored inside or in a dry location.
- If metal must be stored outside, do not cover it with plastic as water vapor cannot escape plastics and condensation will form. Instead, use waterproof paper.
- Metal roof panels and trim should not be cut on the roof. Instead, cuts should be made on the ground with all metal properly and safely supported.
- Metal shears should be used to cut all panels and trim pieces.
- Cutting panels or trim with electric saws has a tendency to produce extremely hot metal particles that can burn paint surfaces or leave rust marks on panels and trim. The same is true of any filings left on the roof caused by the application of screws. Care should be taken to brush all such particles from roof surfaces after application. Clean all metal shavings and particles off of the roof to avoid rust stains.
- Never pre-drill panels. Although it is convenient to pre-drill a single sheet (or stack multiple sheets and drill through them all at once), hot metal shavings and particles will collect on the paint and will leave burn and/or rust marks.
- Screw lines can be created by snapping a chalk line across the roof. However, all efforts should be made to remove the chalk from the panel after installation as most color chalks can stain the roof.
- After installation, metal roofs should be washed annually.
### ALLOWABLE UNIFORM LOAD (psf)

<table>
<thead>
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<th>SPAN (ft.)</th>
<th>LOADING</th>
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**Notes:**
1. Loads have NOT been increased by 1/3.
2. Span lengths are assumed to be equal.
3. Self weight of panel has not been deducted from tabular values.
4. Both Wind and Live ‘Load Type’ values have considered combined bending and shear.
5. Effects of web crippling and fastener/support connection have not been considered.
6. All values have been calculated in accordance with the 2007 North American Specification For the Design of Cold-Formed Steel Structural Members.
7. For use of AmeriRib Panel without continuous structural substrate in a roof application, the maximum span for the Steel Deck Institute’s Construction and Maintenance is 1'-7” for Single Span, 2'-0” for Multiple Span.
8. Deflection values are capped at the Live Load value.

### SECTION PROPERTIES

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**Notes:**
1. Fy is the yield strength of the base metal.
2. Va is the allowable vertical shear of the panel.
3. Ix is the effective moment of inertia of the panel per foot width.
4. Sx is the effective section modulus of the panel per foot width.
5. Ma is the allowable bending moment of the panel per foot width.
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**Notes:**
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**Notes:**
1. Fy is the yield strength of the base metal.
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SAFETY PRECAUTIONS

The drawings and information contained in this manual are strictly for illustrative purposes and are intended to be a general guide concerning the installation and use of the American Roofing Products (ARP) and its associated trims and accessories. These drawings may not be applicable to a particular project, building design, or specific intended use.

All projects should conform to applicable building codes for a given geography or jurisdiction. ARP recommends following standard industry practices, building regulations, and the demands of the local authority having jurisdiction.

ARP is not responsible for the performance or safety of the roof or wall system, nor its trims or components, if ARP products are not installed in accordance with the suggested instructions in this manual.

Before ordering materials, measure and verify all actual dimensions at the project site.

_The erector of ARP products is solely responsible for safe installation of the products discussed in this manual._

Installation of metal roof and wall systems can be a dangerous procedure. Installation must be performed by knowledgeable erectors with trained alert and observant supervision. The erector is advised to study applicable OSHA and other safety requirements common to the type of structure being erected and specific to the jobsite conditions. It is the erector’s responsibility to train all jobsite employees about safety and to implement all safety requirements.

It is not ARP’s responsibility to anticipate jobsite conditions (for example, wind, weather, or terrain) that might make an installation unsafe. If wind, weather, terrain, or other conditions would cause any of the information or illustrations in this manual to be unsafe practice, the erector would be expected to halt work and decide on proper corrective action.

ARP recommends when working in elevated circumstances such as installing roofing, the erector provide safety lines, netting, and railings, as appropriate, for all crewmembers and other exposed personnel.

Do not use the AmeriRib panel as a walking platform on a roof or the ground. The panels will not hold the weight of a person or tools and equipment. Do not stand on an AmeriRib roof panel that has not been installed with the recommended number of fasteners in their correct locations.

ARP reserves the right to modify, alter, or amend, without notice, any details contained in this manual at any time. If there are any questions concerning the proper installation of ARP products in any given situation, please contact your ARP representative.

_Failure to follow these manufacturer’s recommended product safety, storage, and handling guidelines may void applicable warranties._
STORAGE OF METAL

Always inspect the metal panels, trim, and accessories upon delivery. Check for any possible damage and verify that the material quantities are correct. Notify the driver of any irregularities or discrepancies and note such on the delivery paperwork. AmeriRib panels are designed to perform in various weather conditions. However, painted, galvanized, and Galvalume® AmeriRib panels are not designed to be in continuous contact with water, trapped moisture, or condensation.

Such conditions may stain the finish and damage the metal products. Under roof storage is recommended. ARP is not responsible for damage or deterioration to the finish of panels, trims, or accessories that are stored outside. Store roofing and accessories indoors, above ground, and on platforms sloped for drainage. Put a plastic tarp or other suitable vapor barrier on the ground under the elevated panels to prevent ground moisture from condensing on the panels. Store under a waterproof covering with proper ventilation to prevent condensation.

Failure to follow these manufacturer’s recommended product safety, storage, and handling guidelines may void applicable warranties.

HANDLING OF METAL

Unless special arrangements are made at the time of order placement, it is always the responsibility of the customer to provide unloading equipment. A forklift may be used for panels up to 20’ long. The forks must be at their maximum separation. The panel bundle must be lifted at its center of gravity, which might be different from the measured center of the bundle. Take care to prevent bending and twisting of the panels or scratching of the finish. Observe the lifting of the panels and if bending is observed that might cause a “kinking” of the panels, stop the lifting process and use a crane with a spreader bar. A crane with a spreader bar must be used for lengths exceeding 20’. Do not transport open bundles as metal may slide, which may result in bodily harm and/or damage to the metal.

When handling the individual panels, clean appropriate gloves must be worn to prevent being cut from sharp edges as well as to prevent scratches to the paint. Gloves also prevent a reaction on the metal from the salts or oils found on bare skin. Panels must be lifted every 6 to 8 feet along the length of the panel, held by one panel side and carried by multiple persons with the panel length horizontal to the ground. Do not move or carry panels when wind conditions may cause the panels to twist, move unexpectedly, or become unsafe.

Failure to follow these manufacturer’s recommended product safety, storage, and handling guidelines may void applicable warranties.
American Roofing Products
Installation Guide and Information

FASTENER INFORMATION

Note below the typical screw-fastening pattern for ARP AmeriRib Panel. The recommended number of fasteners is at least 85 per square with additional fasteners at the eave, gable, and ridge. There may also be additional fasteners needed to meet uplift and snow load requirements, according to local building codes, specifications of a particular project, or the demands of the local authority having jurisdiction.

When washered screws are selected as the fastening method, it is best to utilize a painted or plated screw. The correct device for driving the screw is very important. The powered screw gun should be UL Listed for the intended use and have an appropriate speed and torque setting. Consult the fastener manufacturer for the speed and torque setting. The installation of the fastener should be accomplished without fastener thread damage and/or possible damage to the panel or its protective coatings. Apply the necessary torque to seat the screw with the sealing washer slightly showing under the screw head. The screw is too loose if the sealing washer is not compressed at all or if there is any gap between the panel and the washer. The screw is installed too tightly if the sealing washer is visibly deformed and visible outside the base of the screw head. If there are any shavings or loose metal created from the fastener application or installation process, these must be removed by the end of each day. If such shavings or loose metal are allowed to remain, they can quickly deteriorate and discolor even from overnight dew. This discoloring may damage the AmeriRib Panel and shorten its useful life or degrade its appearance. If there is need to cut panels with a power saw, the panels must be cut individually in a separate location, an adequate distance from panel bundles. Care must be taken so that there is no chance that airborne shavings could land on other panels. Such shavings will cause damage to panels and their painted finish, and may void applicable warranties.

Screw Washer Pressure

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American Roofing Products

Installation Guide and Information

American Roofing Products recommends following all local building codes and regulations for the installation of metal roofing, which can vary by region.

Metal roofing can be applied to:
- An exposed wood frame. We do not recommend applying the metal or screws to treated lumber, as potential corrosion may occur. Purlins should be added and spaced no more than 24” apart.
- A solid or plywood deck, as in new home construction or after the removal of an existing roof. New underlayment should be applied before adding metal components.
- An existing shingle deck. For installation over an existing shingle roof, apply new underlayment material first. Purlins or furring strips are also recommended, as they will help ensure the metal panel lays flat along the pitch of the roof. Though minimal, consider the extra height of the roof as it pertains to pipe flashings and other trim.
- Installing panel on purlin/furring strips directly over heated living spaces is not recommended due to condensation concerns.

Closures:
- Used to seal open space between panel and trim or underlayment to limit blowback or insects/birds.
- Inside Closures - applied under the panel profile. An example would be between eave drip edge trim and panel.
- Outside Closures - applied over the panel profile. An example would be between a top resting trim like end wall and panel.
- Ridge Cap Closures - a vented outside closure used at the ridge cap. It will allow air to escape at the ridge vent. American Roofing Products offers several choices for this purposed closure.

Pipe Flashing:
- Used to flash around pipes that penetrate the metal panel.
- Retrofit flashers used to flash around pipes that cannot have a flashing pulled over the top, such as an electrical line.
- Available in standard EPDM and Silicone (heat) varieties.
  - Standard EPDM can handle continuous +212°F and intermittent +275°F, and −65°F.
  - Heat pipe flashing can handle continuous +437°F and intermittent +500°F, and −100°F.
- Cut the hole 10-15% smaller than the pipe, caulk the with Solar Seal, and secure with screws.

Screws:
- Woodgrip - used to apply metal panel to wood.
- Self tapping - used to apply metal panel to metal.
- Stitch (lap) - used to seal errant screw holes, or to pull panel tight together at a seam.
- Pancake - flat headed screws with no washers. Used for liner panel, standing seam projects, or for a minimum profile where not exposed to weather.

Amount of Panel Screws needed:
- Factor 1x bag of screws (250 ct) per 80 LF of 3’ wide panel. Always secure in the flats of the panel.
- Longer screws, generally 2”, are need to secure top resting trim (such as ridge cap), which requires drilling through the trim into the ¾” high major rib and then into the backing. Significant amounts of trim in a roof area that require different/longer screws may reduce the amount of panel screws needed for the project.

Shears:
- Metal should be cut with metal shears only.
  - American Roofing Products uses and recommends Malco Turboshears.

The difference in our Products is our Service
Panel
Figure panel lengths by measuring width and lengths needed. Panel coverage is 3’, so a 17’ wide building would need 6x pieces of metal. Angled pieces will need to be cut on site with shears. Factor in additional lengths to ensure coverage.

Trim
Record total lengths of trim necessary, for example the building above is 17’ wide at the eaves so 34’ of drip edge will be necessary to cover them. Drip edge comes in 10’3” lengths, so 4x pieces are required.

Closures
Most closures are 3’ in length, so factor 1x closure per piece of panel. Double the number when necessary, such as for vented closures at the ridge cap, one for each side of the roof.

Screws
Figure one bag of screws for 80 linear feet of panel. Additional screws are used at the edges and overlap areas. Longer screws, generally 2”, are used to secure trim that lays over panel by drilling through the trim, the major rib and securing in the sheathing or purlin.

Accessories
Record any necessary accessories - pipe flashing, Solar Seal tape, butyl tape, valley seal, etc.

The chart to the right can be used to estimate panel length based on the pitch of the roof and total width of the building.

For example, standard building at 25’ wide with a 4:12 pitch (a drop of 4 inches for every foot of width) would require 13’3” panels to correctly cover the roof.

Exact measurements are always preferable.
All trim pieces can be custom ordered to your specifications. See your retailer for details.
## AMERICAN ROOFING PRODUCTS - Our most common TRIM PRODUCTS

<table>
<thead>
<tr>
<th>Trim Type</th>
<th>Dimensions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Witch Hat</td>
<td>15½&quot; x 45.0° x 9½&quot;</td>
<td></td>
</tr>
<tr>
<td>Gambrel</td>
<td>3&quot; x 135.0°</td>
<td></td>
</tr>
<tr>
<td>Chimney Flashing</td>
<td>3/4&quot; x 9½&quot;</td>
<td></td>
</tr>
<tr>
<td>Z Flashing</td>
<td>7/8&quot; x 1 3/4&quot;</td>
<td></td>
</tr>
<tr>
<td>J Channel</td>
<td>1&quot; x 2 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>Cannonball Track Cover</td>
<td>1 1/2&quot; x 1 3/4&quot;</td>
<td></td>
</tr>
<tr>
<td>Door Post Trim</td>
<td>4 1/2&quot; x 8 5/4&quot;</td>
<td></td>
</tr>
<tr>
<td>Overhead Door Trim</td>
<td>3 1/2&quot; x 8 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>Eave Moulding</td>
<td>1 1/4&quot; x 135.0°</td>
<td></td>
</tr>
<tr>
<td>F-J Trim</td>
<td>1/2&quot; x 1&quot;</td>
<td></td>
</tr>
<tr>
<td>Fascia/Angle</td>
<td>1 1/2&quot; x 6&quot;</td>
<td></td>
</tr>
</tbody>
</table>

All trim pieces can be custom ordered to your specifications. See your retailer for details.

*The difference in our Products is our Service*
Step 1 - Install a moisture barrier/underlayment over the entire roof.

Underlayment can be applied directly over shingles, or the existing roofing can be removed to expose the plywood sheathing.

If applying over shingles, once the underlayment is applied, install purlins or furring strips over the top of the underlayment to use as screw points for the metal roof.

American Roofing Products recommends a synthetic felt underlayment.

Step 2 - If desired, install fascia trim along the gable edges and/or the eaves.

Using liner panel screws or flat roofing nails will keep the fascia trim profile flat to the gable or eave edges.

Step 3 - Install drip edge over all the eaves of the roof.

Drip edge will overlap the fascia trim as shown.

Use low profile screws or flat roofing nails to secure the drip edge to the sheathing or purlin.
Step 4 - Install W valley trim where roof seams meet.

W Valley

Install from the eave upward to the ridge, overlapping as necessary. Apply two rows of Solar Seal or butyl tape to minimum 6” overlap areas.

Use valley seal tape to seal the space between the W valley and the panel on top of it. Panel should be 4” from the V in the valley. Screws that secure both the valley trim and panel should be placed behind the valley seal tape.

Step 5 - Begin to apply AmeriRib panels.

Overlap

Install the roofing over the drip edge and valleys already installed.

See our previous diagram for proper screw placement.

Ensure that chalk lines used to line up screws holes are cleaned off the roof after installation.

Step 6 - Install sidewall trim.

Sidewall trim is installed under lapped on the building’s siding.

Butyl (tacky) tape is applied to seal the panel to the trim.

The hemmed side is secured through a flat area on the panel.
Similar to sidewall, endwall trim is installed under lapped on the building’s siding. The hemmed side will shed water on the sloped roof. Outside closures prevent blowback. Longer screws are needed to attach, generally 2”. Secure the endwall near the hem, through the major ribs and outside closure and into the sheathing or purlin.

Step 7 - Install end wall trim.

Step 8 - Install gable/rake trim.

Gable/rake trim overlaps the metal on the gable edges of the roof. The top side overlaps the panel and butyl (tacky) tape should be used to seal the gap.

Step 9 - Install ridge caps.

Ridge caps are installed to seal the roof at its peak. Vented closures allow air to vent properly from ridge vents.

Longer screws are needed to attach ridge cap, generally 2”. Secure the ridge cap through the flat near the hem, through the major ribs and vented closure and into the sheathing or purlin.
• Install underlayment—synthetic felt and/or house wrap.

• Attach rat guard/base guard to the base of the outside walls. Level and secure the rat guard to the baseboard of the building. AmeriRib panel should rest on the trim as shown.

• Windows and doors should be wrapped with J channel and drip flashing. Note that drip flashing should only be used above doors and windows. The exception to this is cannonball track cover, which should replace drip flashing over sliding doors.
• Using shears, cut paneling to fit around windows and doors. Install side paneling. Ensure the first panel on each wall is square before securing and adding additional panel. Use metal self tapping screws if applying to metal structure. The panel should rest/drain on the rat guard, on top of drip flashing/cannonball track cover, and securely into the J Channel.

• In addition to the above, for wainscoting or panel separation, use Z Flashing to separate and properly flash between the panels.

• Inside building corners are sealed with inside corner trim pieces.
• Outside building corners are sealed with outside corner trim pieces.
• Larger doors can be trimmed out with Overhead Door Trim and Door Post Trim

• Install door hardware. Generally, the door assembly consists of round track, a trolley that attaches to the door and rolls on the track, latches, door stops, and side and bottom rails.

**BC201 Versa Track**
14 gauge round track with key slots for doors up to 600 lbs. Used with round track brackets for single and double runs. Keyhole slots are reverse punched every 24" for mounting brackets.

*Available in all even lengths from 6’ - 20’ & 24’*

*Refer to pg 9 for mounting brackets*
# American Roofing Products

*Installation Order Checklist - Provide to your retailer for a full quote.*

## Panel

<table>
<thead>
<tr>
<th>Metal Color</th>
<th>Pcs</th>
<th>Metal Type</th>
<th>Feet</th>
<th>Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4</td>
<td>Example - AmeriRib 29G</td>
<td>8</td>
<td>8</td>
</tr>
</tbody>
</table>

3' coverage width per piece of panel

## TRIM

<table>
<thead>
<tr>
<th>Trim Color</th>
<th>QTY</th>
<th>Trim</th>
<th>Standard Length</th>
<th>Custom Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ridge Cap</td>
<td></td>
<td>10'6&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small Outside Corner (3&quot;)</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small Outside Corner (3&quot;)</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Large Outside Corner (4&quot;)</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Large Outside Corner (4&quot;)</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gable/Rake</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gable/Rake</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gable/Rake</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Outside Corners & Gable/Rake are also available in:
12'3", 14'3", 16'3", 18'3" and 20'3" lengths

Use Custom Length box

<table>
<thead>
<tr>
<th>Trim Color</th>
<th>QTY</th>
<th>Trim</th>
<th>Standard Length</th>
<th>Custom Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drip Flashing</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eave Moulding</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fascia Angle</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inside Corner</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Witch Hat</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gambrel</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Soffit/Fascia Combo</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chimney Flashing</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Z Flashing</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FJ Trim</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>J Channel</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>W Valley</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drip Edge</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Side Wall</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>End Wall</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rat Guard (Base Guard)</td>
<td></td>
<td>10'3&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Custom Trim (describe/use custom trim worksheet):

The difference in our Products is our Service.
### American Roofing Products

**Installation Order Checklist - Provide to your retailer for a full quote.**

#### SCREWS

<table>
<thead>
<tr>
<th>Screw Color</th>
<th>QTY</th>
<th>Screws</th>
<th>Bag</th>
<th>QTY</th>
<th>Screws</th>
<th>Bag</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; Wood Screws</td>
<td>250/Bag</td>
<td></td>
<td></td>
<td>3&quot; Wood Screws</td>
<td>250/Bag</td>
<td></td>
</tr>
<tr>
<td>1.5&quot; Wood Screws</td>
<td>250/Bag</td>
<td></td>
<td></td>
<td>1.25&quot; Self Tapping</td>
<td>250/Bag</td>
<td></td>
</tr>
<tr>
<td>2&quot; Wood Screws</td>
<td>250/Bag</td>
<td></td>
<td></td>
<td>3/4&quot; Stitch Screw</td>
<td>250/Bag</td>
<td></td>
</tr>
<tr>
<td>2&quot; Wood Screws</td>
<td>250/Bag</td>
<td></td>
<td></td>
<td>Liner Panel Screw (no washer)</td>
<td>250/Bag</td>
<td></td>
</tr>
</tbody>
</table>

Special Order Screws (describe/color/length/size):

#### PIPE FLASHING

<table>
<thead>
<tr>
<th>Color</th>
<th>QTY</th>
<th>Boots</th>
<th>Pipe Size</th>
<th>Temp*</th>
<th>QTY</th>
<th>Boots</th>
<th>Pipe Size</th>
<th>Temp*</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td>#1 Retrofit</td>
<td>¾ - 2¼&quot;</td>
<td>212/275°</td>
<td>#7 Boot</td>
<td>6 - 11&quot;</td>
<td>212/275°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>#2 Retrofit</td>
<td>2-7¼&quot;</td>
<td>212/275°</td>
<td>#7 Heat Boot</td>
<td>6 - 11&quot;</td>
<td>437/500°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>#3 Boot</td>
<td>¾ - 4&quot;</td>
<td>212/275°</td>
<td>#8 Boot</td>
<td>7 - 13&quot;</td>
<td>212/275°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>#4 Heat Boot</td>
<td>3 - 6&quot;</td>
<td>437/500°</td>
<td>#9 Boot</td>
<td>10 - 18&quot;</td>
<td>212/275°</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>#5 Boot</td>
<td>4 - 7&quot;</td>
<td>212/275°</td>
<td>#9 Heat Boot</td>
<td>10 - 18&quot;</td>
<td>437/500°</td>
<td></td>
</tr>
</tbody>
</table>

*Temp is High Temp Continuous/Intermittent

Special Order Pipe Flashing (size/retro or standard/regular or heat):

#### ACCESSORIES

<table>
<thead>
<tr>
<th>Color</th>
<th>QTY</th>
<th>Item</th>
<th>Unit</th>
<th>Description</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td></td>
<td>Condenstop*</td>
<td>Linear Foot</td>
<td>Applied to AmeriRib</td>
<td>Reduces condensation &amp; dripping from metal roofs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Solar Seal (choose color)</td>
<td>Tube</td>
<td>10.3 ounce tubes</td>
<td>Metal roof grade sealant - color matched or clear</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Touch Up Pen (choose color)</td>
<td>Each</td>
<td>Pen</td>
<td>Color matched paint pen - test color on roof first</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Touch Up Spray (choose color)</td>
<td>Each</td>
<td>Spray paint can</td>
<td>Color matched spray paint - test color on roof first</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Snow Shoes (choose color)</td>
<td>Each</td>
<td>Metal Model</td>
<td>Breaks up sliding snow to protect trim and gutters</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
<td>Snow Shoes</td>
<td>Each</td>
<td>Acrylic Model</td>
<td>Breaks up sliding snow to protect trim and gutters</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
<td>Butyl (Tacky) Tape</td>
<td>Roll</td>
<td>¾&quot; x 40' roll</td>
<td>Applied to the top of major ribs to seal trim laid over</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
<td>Valley Seal</td>
<td>Roll</td>
<td>1&quot; x 1&quot; x 20' roll</td>
<td>Seals the space between W valley trim and panel</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
<td>Inside Closure Strip</td>
<td>Each</td>
<td>3' in length</td>
<td>Seals the gap between trim &amp; the underside of panel</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
<td>Outside Closure Strip</td>
<td>Each</td>
<td>3' in length</td>
<td>Seals the gap between the top of panel &amp; trim</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
<td>Dri-Vent Vented Closure</td>
<td>Each</td>
<td>3' in length</td>
<td>Closures that allow breathing from ridge vents</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
<td>Double Bubble</td>
<td>Roll</td>
<td>4' or 6' by 125' roll</td>
<td>Reflective foil insulation designed to reflect heat</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
<td>Vinyl Back Insulation</td>
<td>Roll</td>
<td>6' by 100' roll</td>
<td>Standard depth is 3&quot; thick, R10 value.</td>
</tr>
<tr>
<td>N/A</td>
<td></td>
<td>Rex Syn Underlayment</td>
<td>Roll</td>
<td>10 SQ per roll</td>
<td>Premium synthetic felt roof underlayment</td>
</tr>
</tbody>
</table>

*Temp is High Temp Continuous/Intermittent

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*The difference in our Products is our Service*
STANDING SEAM GUIDE
AmeriLoc Standing Seam (Nail Flange)

Standard Specifications
- 26 GA Galvalume steel substrate.
- 50 ksi minimum yield strength.
- 16” coverage width per panel.
- 1” rib height.
- Installs over solid substrate.
- 10 colors available (see pricing sheet).
- 3:12 recommended minimum roof pitch.
- Standard lengths available to 48’.
- Striated, Minor Rib or Flat Panel profiles available (see below).
- Concealed and exposed fastener trims available.

AmeriLoc is a concealed fastener roofing panel that is rollformed with 1” ribs and striations for strength and stability.

Advantages
- Noncombustible.
- Accommodates solar panels.
- Long life with low maintenance.
- Optimized for color retention, longevity, solar reflectance and thermal emissivity.

Typical Applications
- Residential, Commercial, Institutional

Flat panels are prone to excessive oil canning (visible waviness in the metal).

American Roofing Products does not recommend or warranty flat panels.
AmeriLoc-II Standing Seam (Clip Attached)

**Standard Specifications**
- 26 GA Galvalume steel substrate.
- 50 ksi minimum yield strength.
- 10 colors available ([see pricing sheet](#)).
- 16” coverage width per panel.
- 1¾” rib height with striations
- Installs over solid substrate.
- 3:12 recommended minimum roof pitch.
- Standard lengths available to 48’.
- Striated, Minor Rib or Flat Panel profiles available,
- Concealed and exposed fastener trims available.

**Advantages**
- Architectural standing-seam appearance.
- Low maintenance.
- Fire resistance.
- Easy to install on new or existing roof.

**Typical Applications**
- Residential, Light Commercial

Panels snap together over clips fastened with pancake screws.

Flat panels are prone to excessive oil canning (visible waviness in the metal). *American Roofing Products does not recommend or warranty flat panels.*
American Roofing Products’ standing seam panels should be installed over a solid substrate. A 5/8” minimum plywood thickness is recommended. For effective water shedding, the roof slope should be 3:12 or greater. American Roofing recommends installing underlayment over the entire roof.

### Installation Notes

#### Ensure Correct Panel Lengths
Using extended eave trim adds to the required panel length. Order panels 1” longer than the distance from the ridge to the edge of the extended eave trim, as shown.

This adds a total of 2-1/2” to the panel length.

#### Install Underlayment
American Roofing Products recommends a synthetic felt underlayment.

#### Install Initial Trim Pieces
Prior to panel installation, carefully review the trim details. Eave, valley and cleat trims are typically installed before the panels.
Attachment Patterns
The spacing of the flange slot fasteners will depend upon local code, wind and load conditions. In a typical installation, the fastener spacing is 16” o.c., as shown below.

Establish Starting Point
Create an alignment line (chalk line) on the side of the roof opposite the prevailing wind direction. This line should be perpendicular to the eave, and American Roofing Products recommends that this line be 1/4” from the rake edge of the roof.

Install First Panel
Align the female edge of the first panel with the chalk line, as shown in the diagram.

Install the panel perpendicular to the eave, as shown. The panel should overhang the extended eave trim to allow for hemming.

Using 1” washered wood fasteners, attach the rake edge to the sheathing. Install the screws at 16” on center.
Install Additional Panels
Align additional panel’s female edges with the male edge on the previous panel. The panels should be flush with each other and extend over the eave by 1”.

Overtightening of the screws may restrict expansion and contraction and cause panel distortion.

Using gentle pressure, push down on the female edge, compress, and snap the panels together at the seam.

Continue to install panels in this fashion across the roof until you reach the opposite rake.

Install The Last Panel
The last panel should not extend past the rake edge of the roof deck. If it does, measure the remaining distance, add one inch and then cut the panel to that width.

American Roofing Products recommends shears only for cutting panel. Cutting panels or trim with electric saws has a tendency to produce extremely hot metal particles that can burn paint surfaces or leave rust marks on panels and trim.

The extra 1” width is then bent with a hand folder to form a rib.

Use washered screws to secure the panel along this fold, as was done on the opposite rake edge.
Terminating the Panel at the Eave
If using exposed fasteners at the eave, use washered screws along a line 3” up from the eave edge and 4” apart.

If using concealed fasteners, the panel will need to be hemmed to fit onto the extended eave trim.

Cut through the male and female ribs 1” up from the panel end. Place a hemming tool over the 1” panel horizontal tabs. Bend the panel down and under 180°. Use the overhang lip on the drip edge trim to secure the panel in place at the eave.

Ridge Caps (install ridge caps after rake trim and panels)
Select a ridge cap and a fastener method (exposed or concealed).

Install z-closures for non-vented ridges, or vent retainers for vented ridges.

Ridge caps should overlap at least 6”. In high wind areas or to comply with local codes, pop rivets may need to be installed at a closer spacing.
Ridge Cap - Vented Stepped Cap
Place vent material on the panel at the ridge. Place the vent retainer cleat over the vent material.

Along each side of the ridge, pre-drill and drive a #10x2" pancake head screw through the offset cleat, vent and into the deck below.

Fill the hem of the ridge cap with tube sealant and fit both sides of the open hem ridge cap onto the offset cleats.

Secure with color matching pop rivets.

Ridge Cap - Stepped Cap (Non-Vented)
For a Concealed Fastener Ridge Cap, first install the z-closure so that the z-closure will engage the open hem of the ridge cap.

Position the z-closures so that they line up across the roof and fully engage the open hem of the ridge cap on both sides for the entire length of the ridge.

Fit the ridge cap to the z-closure and fasten with pop rivets 12” o.c.

Hip Cap
Hip caps being installed with concealed fasteners can be installed with the instructions as non-vented ridge caps

Overlap hip flashing a minimum of three inches.
Valley (install Valley prior to installing panel)
American Roofing Products recommends installing additional 36” wide underlayment on the valley centerline, with 18” extending on each side of the center.

Place the valley trim at the eave with 1” overhang.

Lap valley trim pieces a minimum of 6”, sealing each lap.

On each side of the valley, apply a continuous strip of butyl tape sealant parallel to the valley, 7” from the valley center.

Install the offset cleat with the 1½” leg centered over the tape sealant and the 1” leg towards the valley. Attach the cleat with 1” pancake screws at 4” o.c.

Cut the panels allowing extra length for hemming, typically 1”. Refer to terminating the panel at the eave for instructions on folding the panel under the cleat trim.

Seal the panel end and ribs with urethane tube sealant.

Eave - Floating Eave (install eave trim prior to installing panel)
Install the wall side cleat with pancake screws.

Install the eave trim over the cleat with the special open hem of the eave trim engaging the cleat.

Attach the eave trim to the roof substrate using pancake screws.

Use pop rivets as necessary.
High Eave
Install z-closures between panel ribs.

Install standard cleats at the vertical wall using pancake head wood fasteners.

Apply sealant to the top of the z-closure.

Fight high eave trim over the peak, engaging the cleat.

Attach high eave trim to the z-closure using pop rivets 12” o.c.

Fixed Rake Trim (install after panel, prior to ridge caps)
Place butyl tape along the rake trim’s roof flange.

Install the z-closure on the top of the butyl tape using 1” pancake head fasteners.

Install the standard cleat using 1” pancake head fasteners.

Beginning at the low end of the roof, install the rake trim by engaging the z-closure and cleat in the rake trim hems.

Secure the rake trim using pop rivets at 6” o.c. Work up towards the peak with each upper piece overlapping the piece below. Lap the rake trim at least 3”, hooking the hem

Miter cut and seal the rake trim at the peak to join each side at the ridge.

Cut and fold the trim at the eave.

Seal between the eave and the rake and fasten using pop rivets.
Fixed Headwall
Install z-closures between panel ribs. Apply sealant to the top of the z-closure.

Place endwall flashing at the roof-wall intersection.

Attach the endwall flashing to the vertical wall using masonry anchors at 24” o.c. Attach the endwall flashing to the z-closure using pop rivets.

Install reglet above endwall flashing.

Fixed Sidewall
Lap underlayment up the sidewall at least 6”.

If the panel ends off-module, cut the panel and fold up 1” as you would for a rake detail.

Place tape sealant and install z-closure with 1” pancake head fasteners at 6” o.c.

Apply butyl type sealant in the open hem of the sidewall trim, and fit the trim onto the z-closure with the long let extending up the wall.
Transition - installs over lower roof panel.
Install additional underlayment at transition location.

Install z-closure on the lower roof panel.

Field apply butyl tube sealant to the open hem of the transition flashing and fit the open hem onto the z-closure.

Place butyl tape and install the offset cleat through the upper leg of the transition leg flashing with a pancake head screw.

Hem the low end of the upper panel to engage the offset cleat and fasten the upper panel in place. Seal the ends of the panel ribs.
### AmeriLoc Nail Flange Standard Trim

<table>
<thead>
<tr>
<th>Ridge Cap - Hip</th>
<th>Flashing - Sidewall</th>
</tr>
</thead>
<tbody>
<tr>
<td>● 26 GA</td>
<td>● 26 GA</td>
</tr>
<tr>
<td>● 10'6&quot; Standard Length</td>
<td>● 10'3&quot; Standard Length</td>
</tr>
<tr>
<td>● 10 Standard Colors</td>
<td>● 10 Standard Colors</td>
</tr>
</tbody>
</table>

See following Flashing Angle Chart for Angle Guide

<table>
<thead>
<tr>
<th>Ridge Cap - Stepped</th>
<th>Flashing - Headwall</th>
</tr>
</thead>
<tbody>
<tr>
<td>● 26 GA</td>
<td>● 26 GA</td>
</tr>
<tr>
<td>● 10'6&quot; Standard Length</td>
<td>● 10'3&quot; Standard Length</td>
</tr>
<tr>
<td>● 10 Standard Colors</td>
<td>● 10 Standard Colors</td>
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</table>

See following Flashing Angle Chart for Angle Guide

<table>
<thead>
<tr>
<th>Valley - Preformed</th>
<th>Flashing - Transition</th>
</tr>
</thead>
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<td>● 26 GA</td>
</tr>
<tr>
<td>● 10'3&quot; Standard Length</td>
<td>● 10'3&quot; Standard Length</td>
</tr>
<tr>
<td>● 10 Standard Colors</td>
<td>● 10 Standard Colors</td>
</tr>
</tbody>
</table>

See following Flashing Angle Chart for Angle Guide

<table>
<thead>
<tr>
<th>Rake - Standard</th>
<th>Flashing - Reglet</th>
</tr>
</thead>
<tbody>
<tr>
<td>● 26 GA</td>
<td>● 26 GA</td>
</tr>
<tr>
<td>● 10'3&quot; Standard Length</td>
<td>● 10'3&quot; Standard Length</td>
</tr>
<tr>
<td>● 10 Standard Colors</td>
<td>● 10 Standard Colors</td>
</tr>
</tbody>
</table>

See following Flashing Angle Chart for Angle Guide

---

All trim can be custom folded to your specifications - see your sales representative.

**American Roofing Products - Standing Seam**

See following Flashing Angle Chart for Angle Guide

**The difference in our Products is our Service**
# AmeriLoc Nail Flange Standard Trim

## Eave Drip - Extended
- 26 GA
- 10'3" Standard Length
- 10 Standard Colors

See following Flashing Angle Chart for Angle Guide

## Cleat - Cable Eave
- 26 GA
- 10'3" Standard Length
- 10 Standard Colors

See following Flashing Angle Chart for Angle Guide

## High Eave Trim
- 26 GA
- 10'3" Standard Length
- 10 Standard Colors

See following Flashing Angle Chart for Angle Guide

## Parapet Rake Cleat
- 26 GA
- 10'3" Standard Length
- 10 Standard Colors

## Cleat
- 26 GA
- 10'3" Standard Length
- 10 Standard Colors

## Z - Closure
- 26 GA
- 10'3" Standard Length
- 10 Standard Colors

## Cleat - Offset
- 26 GA
- 10'3" Standard Length
- 10 Standard Colors

## Outside Vent Closure

---

All trim can be custom folded to your specifications - see your sales representative.
Establish Starting Point
Create an alignment line (chalk line) on the side of the roof opposite the prevailing wind direction. This line should be perpendicular to the eave, and American Roofing Products recommends that this line be 1/4” from the rake edge of the roof.

Attachment Patterns of Clips
When it is determined that the panel is properly aligned, attach the rake edge to the roof with 1½” painted washered woodgrip screws. Install clips on the underlap rib side of the panel with two 1” pancake head screws per clip 48” o.c.

Install clips at 24” o.c. at the ridge, rake, eave, hip and other higher wind load locations. Special care has to be taken to direct the expansion and contraction in the direction desired.

Ensure local codes are being followed.

Additional Panels
Align the second hemmed panel female edge with the male edge on the installed panel. The panels should be flush with each other and extend over the eave trim by 1½”.

Push down on the female edge, compress and snap the panels together at the seam. Snap the panels together from the eave towards the ridge.

Install clips on the second panel consistent with the clip positioning and spacing that was determined to be suitable for the first panel. Continue to apply panels across the roof.

When the panel installation process has reached the end of the roof, if it doesn’t work out that there is a rib along the edge, then measure the remaining distance, add 1¼” and cut the panel to that length. The extra 1¼” is then bent up with a hand seamer to form a rib. Fasten the panel with washered screws as described above.
**Eave Termination over Drip Edge Trim (Optional)**
Clip attached standing seam may be terminated at the eave in either fashion previously described under the nail flange installation notes.

An alternative is hemming the panel to fold under offset cleats (installed prior to panels). When using drip edge and offset cleats to terminate the eave, the panels must be ordered 1½” longer to accommodate the extra length need to hem the panel for engagement into the offset cleat.

Cut through the male and female ribs 1½” up from the panel end as illustrated. Using a panel hemming tool, bend the panel down and under 180°.

Lift the panel onto the roof, slide the hem onto the cleat trim (previously installed).

Snap the panel down and begin installing the clips.

---

**Eave Drip Edge - (install eave trim prior to installing panel)**
This is an alternative to extended drip edge as described in the nail flange installation notes.

To accomplish this finish, install an offset cleat on the roof deck with a 1” pancake screw, hem the panel and place sealant inside the hem.

Fully engage the cleat into the hem and fully caulk the open ribs on the panel.

Duckbill pliers may be used to tighten the panel edge onto the drip edge.

The diagrams above illustrate this method.
Gable Trim
Gable trim may be installed with exposed fasteners or concealed fasteners.

For exposed fastener step gable trim, place butyl tape along the gable trim roof flange. Install the trim over the rib. Fasten using 1½” painted washered woodgrip screws at a distance from each other of 12” o.c. for both roof and wall side. Caulk and lap the trim with at least 3” hooking the hem. Cut and fold the trim at the eave to seal the end.

For concealed fastener gable installation, first install the gable eave cleat. The cleat is installed the full length of the rake.

Then install the butyl tape on the roof under the z-trim. The z-trim should fit into the gable roof side open hem.

Install the cleat with 1” pancake screws approximately 18” apart. Install the z-trim with 1” painted washered screws. Once the open hem has been fitted onto the cleat and the z-trim, finish the installation with painted pop rivets installed 4” o.c. through the hem/cleats and at joints.

Transition Flashing (transitions are placed over lower)
Local codes on ice and/or water shield vary. Follow all local code requirements.

Install lower roof panels. Apply butyl tape onto the lower roof panel between the ribs at 1” from the pitch change end.

Cut z-closure to fit between the panel ribs and install over the butyl tape with a wood screw. Caulk gaps between the z-closures and ribs. Apply sealant to the open hem of the transition flashing and fit the open hem onto the z-closure. Install the offset cleat onto the pitch change with a pancake head screw.

Hem the upper panel end. Apply sealant to the inside of the hem and engage the offset cleat and fasten and caulk the upper panel in place.
Sidewall and Endwall

Install the z-closure on top of the panel, using butyl tape along the entire length. Be sure to caulk where any trim pieces lap. Position the z-closure so that the open hem of the horizontal leg of the sidewall will fully engage the z-closure.

Position the vertical leg of the sidewall trim under the sidewall so that the horizontal leg of the sidewall trim is resting on the z closure. Engage the open hem into the z-closure and pop rivet 4’ o.c.

For endwall installation, the z-closures will need to be cut to fit snugly between the panel ribs. Install z-closures with butyl tape under them for their entire length. Caulk the sides of the z-closures where they meet the panel.

Apply butyl tape to the topside of the endwall for the full length of the endwall so that the underside of the upper panel is sealed.

Caulk the upper roof panel ribs that are on the endwall.
American Roofing Products - Standing Seam

All trim can be custom folded to your specifications - see your sales representative.

AmeriLoc-II Clip Attached Standard Trim

RIDGE CAPS & HIP CAPS

Step

Standard

HIP

Peak

Vent Retainer (4 on 12)

Vent Retainer (6 on 12)

4\[\frac{1}{12}\]

6\[\frac{1}{12}\]

VALLEY

Standard Preformed

Extended Preformed 26 GA

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American Roofing Products - Standing Seam

All trim can be custom folded to your specifications - see your sales representative.

AmeriLoc-II Clip Attached Standard Trim

**GABLE/RAKE**

- Standard
- Step

**FLASHING**

- Reglet
- Counter
- Transition
- Gambrel
- Sidewall
- Step Sidewall
- Endwall

The difference in our Products is our Service
American Roofing Products - Standing Seam

All trim can be custom folded to your specifications - see your sales representative.

AmeriLoc-II Clip Attached Standard Trim

**EAVE**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Extended</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAINTED SIDE</td>
<td>PAINTED SIDE</td>
</tr>
<tr>
<td>4&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>VARYES 3&quot;</td>
<td>1½&quot;</td>
</tr>
<tr>
<td>1&quot;</td>
<td>VARYES 3&quot;</td>
</tr>
<tr>
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**CLEATS**

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<tr>
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<th>Offset</th>
<th>Eave</th>
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<tbody>
<tr>
<td>PAINTED SIDE</td>
<td>PAINTED SIDE</td>
<td>PAINTED SIDE</td>
</tr>
<tr>
<td>2½&quot;</td>
<td>1&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>½&quot;</td>
<td>½&quot;</td>
<td>½&quot;</td>
</tr>
<tr>
<td>VARYES 3&quot;</td>
<td>VARYES 3&quot;</td>
<td>VARYES 3&quot;</td>
</tr>
</tbody>
</table>

**Z-CLOSURE**

<table>
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<th>Z-Closure</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;</td>
</tr>
<tr>
<td>1⅔&quot;</td>
</tr>
<tr>
<td>1&quot;</td>
</tr>
</tbody>
</table>
American Roofing Products - Standing Seam

All trim can be custom folded to your specifications - see your sales representative.

### Flashing Angle Chart

<table>
<thead>
<tr>
<th>RIDGE</th>
<th>HIP/VALLEY</th>
<th>EAVE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROOF PITCH</td>
<td>ANGLE “R”</td>
<td>ROOF PITCH</td>
</tr>
<tr>
<td>1:12</td>
<td>170.5°</td>
<td>1:12</td>
</tr>
<tr>
<td>2:12</td>
<td>161.1°</td>
<td>2:12</td>
</tr>
<tr>
<td>3:12</td>
<td>151.9°</td>
<td>3:12</td>
</tr>
<tr>
<td>4:12</td>
<td>143.1°</td>
<td>4:12</td>
</tr>
<tr>
<td>5:12</td>
<td>134.8°</td>
<td>5:12</td>
</tr>
<tr>
<td>6:12</td>
<td>126.9°</td>
<td>6:12</td>
</tr>
<tr>
<td>7:12</td>
<td>119.5°</td>
<td>7:12</td>
</tr>
<tr>
<td>8:12</td>
<td>112.6°</td>
<td>8:12</td>
</tr>
<tr>
<td>9:12</td>
<td>106.3°</td>
<td>9:12</td>
</tr>
<tr>
<td>10:12</td>
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<td>10:12</td>
</tr>
<tr>
<td>11:12</td>
<td>95.0°</td>
<td>11:12</td>
</tr>
<tr>
<td>12:12</td>
<td>90.0°</td>
<td>12:12</td>
</tr>
</tbody>
</table>

Use the chart at the left to determine necessary angles for trim.

### Touch Up Paint & Pens

American Roofing Products offers touch up spray paint and pens to help with those little scuffs and scrapes. Only the highest quality paints and lacquers are used in order to insure the best and most durable touch-up paint products.

Exact colors of touch up paint may be affected by temperature, age and application process, and may also vary from the substrate colors due to the age and condition of the substrate. American Roofing Products recommends testing touch up paint for color prior to application to the roof. Exact matches to substrate material colors cannot be guaranteed.

### Rex SynFelt Underlayment

REX™ SynFelt is a high strength woven synthetic roof underlayment that can save you 50% in labor and time expense, compared to 30# felt. Here’s why:

- The most slip resistant underlayment in the industry
- 20 times stronger than felt—won’t tear off or buckle when wet
- 10x lighter per square and 20x stronger than 30# felt
- 10 squares per roll weighing only 28 lbs (250 ft roll)
- 5 squares per roll weighing only 14 lbs (125 ft roll)
- UV resistant and can be exposed for up to 6 months
- Light gray color reduces heat and provides cooler working surface

Pre-printed nailing pattern speeds installation. The smartest builders and roofers in America use REX™ SynFelt.

The difference in our Products is our Service
 TERMS
TERMS
American Roofing Products

Terms & Conditions

1. CANCELLATION AND RETURN POLICY: Once an order has been placed in production, it cannot be can-
celled. All panel orders and special order (non-stock) trim are considered the property of the customer and are non-
refundable once they have been manufactured. All goods are sold "as is". Standard trim and accessories are re-
fundable as long as they are returned in a clean, re-saleable condition. Restocking charges may apply.

2. PHONE ORDERS: The retailer assumes all responsibility for verbal orders.

3. PRICING: All pricing is subject to change without notice.

4. SALES TAX: American Roofing Products is a wholesale manufacturer and distributor Only. Sales Tax applies
to the retailer and their customer.

5. PAYMENT TERMS: Credit terms may be established at the sole discretion of the financial department. Ameri-
can Roofing Product, LLC reserves the right to deny credit without explanation. There will be a $35 service
charge for all returned checks.

6. ORDER ACCURACY: The retailer assumes all responsibility for accuracy of order. All cut lengths and quanti-
ties are to be provided by retailer and not based on “Quotes”, comments, or suggestions of any employee or repre-
sentative of American Roofing Product, LLC.

7. MISCELLANEOUS AND RETAILER RESPONSIBILITIES:
A) This contract shall be governed by and construed in accordance with the laws of the state in which business is
conducted.
B) The retailer's customer assumes all responsibility for applying city, county and state codes and guidelines ap-
licable to work performed.
C) The retailer customer is responsible for providing lumber and securing their own load at pick-up.

8. GALVALUME NOTE:
Uniform visual appearance (color, spangle, shadow spots and striping) of acrylic-coated galvalume panels cannot
be guaranteed. Non-uniform surface appearance (color, spangle, shadow spots and striping) may occur over time.
It does not represent a deficiency in the material, nor does it affect any warranties which may be in place, and it is
not a reason for rejection.

9. THINGS YOU SHOULD KNOW:
- Direct contact with pressure-treated lumber and metal roofing should be avoided to prevent potential corrosion.
- Damage will result if uninstalled panels or trim are allowed to remain wet in storage. Be sure to store material
that will not be installed immediately in a dry location. Wet material should be air-dried and re-stacked when in-
stallation is not planned right away.
- Nibblers, especially carborandum blades on electric saws, do have a tendency to either leave hot metal particles
that can burn paint surfaces or leave rust marks on panels and trim. The same is true of any filings left on the roof
caused by the application of screws. Care should be taken to brush all such particles from roof surfaces after ap-
plication. Caution!!! Clean all metal shavings and particles off of roof to avoid unsightly rust stains.
- Metal roof panels and trim should not be cut on the roof.
40 YEAR LIMITED WARRANTY

COVERAGE
American Roofing Products, LLC. extends this warranty to panels, effective from the date of shipment and sold as warranted or 40 Year AmeriRib HE Panel as indicated on the customer’s original invoice. It applies only to goods used on wood frame buildings and on architectural, commercial, pre-engineered or residential metal buildings, which are installed in the United States. This warranty shall extend to the purchaser of the material and is non-assignable and/or non-transferable. The purchaser must present the original sales receipt in writing within thirty (30) days of the discovery of defect for warranty consideration.

TERMS
For forty (40) years, the paint will not peel, flake or otherwise lose adhesion to an extent that is on ordinary visual inspection. Slight cracking may occur on roll-formed edges or break bends at the time of forming, and is considered as standard. Such cracking shall not constitute a basis for complaint under this limited warranty; and
For twenty-five (25) years, vertical installation of panel will not change color more than five (5) NBS (Hunter) units, and non-vertical installations will not change more than seven (7) NBS (Hunter) units. Color measurements are to be made per ASTM D 2244 and only on clean surfaces after removing surface deposits and chalk per ASTM D 3964; and
For twenty-five (25) years, vertical installation of panel will not chalk more than a number 8 rating, and non-vertical installations will not chalk more than a number 6 rating, when measured per ASTM D 4214, Method A.

EXCEPTIONS
This is an anti-weathering limited warranty and does not apply to other causes of degradation, including:
Ø 40 Year AmeriRib HE Panel which has suffered scratching or abrasion or impact by hard object; has been abused, altered, modified, used in a manner not originally intended, or stored in accordance with good industry practice; is damaged due to moisture entrapment in bundles during transit or storage; is stored or installed in a way which allows standing water on the coating or in any chemically aggressive environment containing fumes, ash, cement dust, carbon black, salts, or other chemicals, which naturally occurring or caused by man; is stored or installed in a way which allows contact with animals and/or waste, or in a way that damage can occur due to poor circulation air circulation; is stored or installed in areas subject to fallout from copper, lead, nickel, or silver mining or refining operations; has suffered any damage caused by acts of God, radiation, falling objects, explosion, fire, acts of war or other external forces.
Ø 40 Year AmeriRib HE Panel which suffers from improper forming, fabrication, or embossing; cut edge exposure; corrosion of the substrate; or the development of any other condition between the coating and the substrate which causes the coating to degrade or delaminate, including any failure or deficiency in the cleaning process or pretreatment;
Ø 40 Year AmeriRib HE Panel installed within 1000 meters of salt water or other marine environment.
This warranty will not extend to or cover damages to material due to improper shipping, handling, installation, storing, erecting of the panels on the job site and/or any act of negligence of the customer or any third party after the panels leave the possession of American Roofing Products, LLC. Claims arising from the following conditions will also not be warranted; steel shavings from sawing sparks that come in contact with the paint; damage to the paint due to the use of an abrasive saw blade; panels used on or near animal confinement; damage due to use of wet, green, or treated lumber; use of fasteners not recommended by American Roofing Products, LLC., which may be deemed inferior.

REMEDY
If any of the products fails to perform as warranted, the company will repaint or replace the defective panels at its sole discretion, and American Roofing Products, LLC. shall bear no liability, except to options listed above. If American Roofing Products, LLC. chooses to replace the defective material, the liability is expressly limited to the purchase price of the defective material. American Roofing Products, LLC. will not be held responsible for any losses, damages, or expenses caused by or resulting for the use of defective material. American Roofing Products, LLC. reserves the right to terminate or modify this warranty except with respect to orders already accepted.
CUSTOM TRIM WORKSHEET
Advantages of a Metal Roof

A metal roof that has been properly installed has a life expectancy of a minimum 40 years, with 60 years and more not uncommon. Asphalt shingle roofs have a typical life expectancy of 12-20 years. It is reasonable to believe that a replacement metal roof will be the last one you ever purchase.

Metal roofs offer outstanding warranty options. American Roofing Products AmeriRib-HE offers a 40 year warranty.

Metal roofs are resilient to dents, including damage from hail.

Metal roofs are lighter than shingles. A square of standard asphalt shingles can weigh over 200 pounds per square (100 sq. ft). A 29 gauge metal roof will weigh 65-70 pound per square.

Metal roofs are non-combustible and will not absorb water. Asphalt shingle roofs are combustible and can be damaged by water.

Homes with metal roofs generally have a higher resale value, and likely will qualify the home for insurance discounts.

Metal roofs are easy to install, and can be installed directly over an existing shingle roof.

Even dark color metal roofs reflect an appreciable amount of solar energy. Light colors reflect even more. Asphalt shingles absorb and hold heat, leading to larger energy bills.

Metal roofs installed over sheathing and synthetic felt moisture barrier produce minimum noise from rain and weather.

The drawings and information contained in this manual are strictly for illustrative purposes and are intended to be a general guide concerning the installation and use of the American Roofing Products (ARP) and its associated trims and accessories. All projects should conform to applicable building codes for a given geography or jurisdiction. ARP recommends following standard industry practices, building regulations, and the demands of the local authority having jurisdiction.