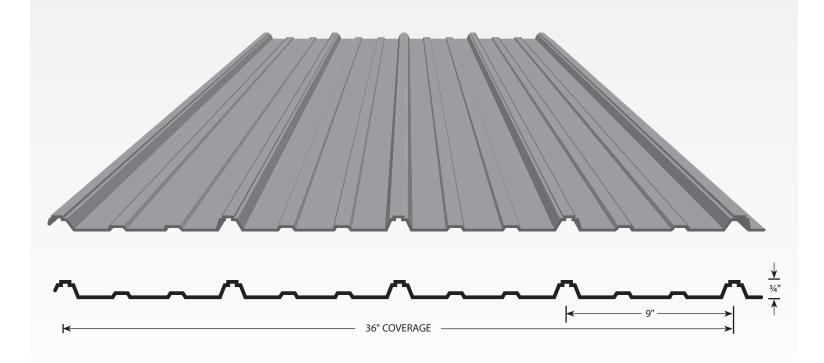
Panel-Loc Plus™ **Product Guide**

HELPFUL INFORMATION ON PANELS, TRIMS, GUTTERS AND ACCESSORIES







▲ This guide includes details for Panel-Loc.

We promise to improve your business by accurately providing quality products right when you need them. Every time.

Visit our website for more product information, testing, installation guides, energy ratings, warranties, photo gallery, roofing visualizer, and more.

centralstatesco.com

Information in this catalog may vary by plant location. Please call your salesperson to verify product availability.

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NOTICE: The application and detail drawings in this manual are strictly for illustration purposes and may not be applicable to all building designs or product installations. Projects should conform to local building codes. Central States Manufacturing is not responsible for the performance of the material if it is not installed correctly.

Information contained in this booklet was in effect at the time of publication and is subject to change without notice.

WARRANTIES



Warranties are available in paper format and downloadable from our website. After the job is complete, fill out a warranty with your contractor/installer details and the Central States order number. Give the warranty to the building owner to keep for their records. Optional warranty registration is available online.

Learn more at centralstatesco.com/warranties

PANEL-LOC PLUS

Panel-Loc Plus is available in Ultra 26 gauge, Prime 29 gauge, and Standard 29 gauge; in painted or bare Galvalume®. Ultra and Prime panels feature CentralGuard® protection and a lifetime paint warranty. Standard panels feature a 40-year paint warranty.

CentralGuard is our specific combination of everything that goes into making the highest-quality metal panels. Choose CentralGuard for the perfect balance of fade protection, rust blocking, and dent resistance.

Bare (unpainted) Galvalume® and galvanized panels from Central States have an acrylic coating which eliminates using oils during manufacturing and eliminates fingerprinting and foot marking during installation.

The minimum roof slope for the $\frac{3}{4}$ " Panel-Loc PlusTM is 2 ½:12. If slopes less than 3:12 are needed, International Building Code (IBC) allows a sealant tape to be used on the laps of the panel.

PANEL CODES

| PANEL PROFILE | TYPE | CODE |
|-----------------|-----------------|--------------|
| Panel-Loc Plus™ | Ultra SMP | PP6(color) |
| Panel-Loc Plus™ | Prime SMP/FEVE* | PP9(color) |
| Panel-Loc Plus™ | Standard | PP9(color)ST |
| Panel-Loc Plus™ | Thrifty SMP | PP6(color)TH |

*FEVE available in Copper Metallic only FEVE = Flourinated Polymer Paint System.

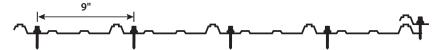
FASTENER SPACING

Follow the suggested fastener patterns below for interior or panel termination. Screws may be placed in either the flat or the rib. In the overlap condition, avoid using fasteners in the major rib as this may damage the siphon groove.

Fastener pattern at panel termination (Eave, endlap, valley, ridge, high eave)



Fastener pattern at interior of panel



SECTION PROPERTIES - PANEL-LOC PLUS

36" WIDE, PANEL-LOC PLUS™ PANEL

| (| Gauge | Thickness (inches) | Weight (psf) | Yield Stress (ksi) | | p in Compressi Positive Bendin | | Bottom in Compression (Negative Bending) | | | |
|----|---------|-----------------------|-----------------|-----------------------|--------|-----------------------------------|------------|---|--------|------------|--|
| | | | | | lxx | Sxx | Ma | lxx | Sxx | Ма | |
| | | | | | in⁴/ft | in³/ft | in.kips/ft | in⁴/ft | in³/ft | in.kips/ft | |
| 26 | 6 ULTRA | 0.0185 | 0.866 | 80.0 | 0.0133 | 0.0220 | 0.7913 | 0.0093 | 0.0198 | 0.7123 | |
| 29 | 9 PRIME | 0.0150 | 0.704 | 80.0 | 0.0110 | 0.0181 | 0.6493 | 0.0073 | 0.0160 | 0.5760 | |

Section properties and allowables are calculated in accordance with 1996 AISI Specifications and 1999 AISI Supplement No. 1. I +/- is for deflection determination. S +/- is for bending determination. Ma is allowable bending moment. All values are for one foot of panel width. These loads are for panel strength. Frames, purlins, fasteners and all supports must be designed to resist all loads imposed on the panel. Allowable outward loads based on stress have been increased by 33.33% for wind uplift. Allowable loads for deflection are based on deflection limitation of span/180 or span/240. For roof panels, self weight of the panel has to be deducted from the allowable inward load to arrive at the actual "live load" carrying capacity of the panel. Minimum bearing length must be checked. Minimum deliverable bare steel thickness should not be less than 0.95 of design thickness.

THEORETICAL ALLOWABLE LIVE & WIND LOADS

SINGLE SPAN CONDITION

| | | 29 Gauge | & 80 ksi | | 26 Gauge & 80 ksi | | | | |
|-------------|-------------|-------------------|-------------------|---------|-------------------|-------------------|-------------------|---------|--|
| Span (feet) | LL (S)(psf) | LL (D) L/180(psf) | LL (D) L/240(psf) | WL(psf) | LL (S)(psf) | LL (D) L/180(psf) | LL (D) L/240(psf) | WL(psf) | |
| 2 | 108.2 | 108.2 | 90.1 | 127.7 | 131.9 | 131.9 | 109.3 | 157.9 | |
| 2.5 | 69.3 | 61.5 | 46.2 | 81.7 | 84.4 | 74.6 | 55.9 | 101.1 | |
| 3 | 48.1 | 35.6 | 26.7 | 56.7 | 58.6 | 43.2 | 32.4 | 70.2 | |
| 3.5 | 35.3 | 22.4 | 16.8 | 41.7 | 43.1 | 27.2 | 20.4 | 51.6 | |
| 4 | 27.1 | 15.0 | 11.3 | 31.9 | 33.0 | 18.2 | 13.7 | 39.5 | |
| 4.5 | 21.4 | 10.6 | 7.9 | 25.2 | 26.1 | 12.8 | 9.6 | 31.2 | |
| 5 | 17.3 | 7.7 | 5.8 | 20.4 | 21.1 | 9.3 | 7.0 | 25.3 | |
| 6 | 12.0 | 4.5 | 3.3 | 14.2 | 14.7 | 5.4 | 4.0 | 17.5 | |

TWO SPAN CONDITION

| | | 29 Gauge | & 80 ksi | | 26 Gauge & 80 ksi | | | | |
|-------------|-------------|-------------------|-------------------|---------|-------------------|-------------------|-------------------|---------|--|
| Span (feet) | LL (S)(psf) | LL (D) L/180(psf) | LL (D) L/240(psf) | WL(psf) | LL (S)(psf) | LL (D) L/180(psf) | LL (D) L/240(psf) | WL(psf) | |
| 2 | 96.0 | 96.0 | 96.0 | 121.0 | 118.7 | 118.7 | 118.7 | 175.4 | |
| 2.5 | 61.4 | 61.4 | 60.1 | 77.5 | 76.0 | 76.0 | 72.8 | 112.3 | |
| 3 | 42.7 | 42.7 | 34.8 | 53.8 | 52.8 | 52.8 | 42.2 | 78.0 | |
| 3.5 | 31.3 | 29.2 | 21.9 | 39.5 | 38.8 | 35.4 | 26.5 | 57.3 | |
| 4 | 24.0 | 19.6 | 14.7 | 30.3 | 29.7 | 23.7 | 17.8 | 43.9 | |
| 4.5 | 19.0 | 13.7 | 10.3 | 23.9 | 23.5 | 16.7 | 12.5 | 34.6 | |
| 5 | 15.4 | 10.0 | 7.5 | 19.4 | 19.0 | 12.1 | 9.1 | 28.1 | |
| 6 | 10.7 | 5.8 | 4.3 | 13.4 | 13.2 | 7.0 | 5.3 | 19.5 | |

THREE OR MORE SPAN CONDITION

| | | 29 Gauge | & 80 ksi | | 26 Gauge & 80 ksi | | | | |
|-------------|-------------|-------------------|-------------------|---------|-------------------|--|-------|-------|--|
| Span (feet) | LL (S)(psf) | LL (D) L/180(psf) | LL (D) L/240(psf) | WL(psf) | LL (S)(psf) | LL (S)(psf) LL (D) L/180(psf) LL (D) L/240(psf | | | |
| 2 | 112.1 | 112.1 | 112.1 | 168.1 | 138.7 | 138.7 | 138.7 | 204.9 | |
| 2.5 | 71.8 | 71.8 | 71.8 | 107.6 | 88.8 | 88.8 | 88.8 | 131.1 | |
| 3 | 49.8 | 49.8 | 49.8 | 74.7 | 61.6 | 61.6 | 61.1 | 91.1 | |
| 3.5 | 36.6 | 36.6 | 31.7 | 54.9 | 45.3 | 45.3 | 38.5 | 66.9 | |
| 4 | 28.0 | 28.0 | 21.3 | 42.0 | 34.7 | 34.4 | 25.8 | 51.2 | |
| 4.5 | 22.2 | 19.9 | 14.9 | 33.2 | 27.4 | 24.1 | 18.1 | 40.5 | |
| 5 | 17.9 | 14.5 | 10.9 | 26.9 | 22.2 | 17.6 | 13.2 | 32.8 | |
| 6 | 12.5 | 8.4 | 6.3 | 18.7 | 15.4 | 10.2 | 7.6 | 22.8 | |

Theoretical allowable loads are based on uniform span lengths. LL (S) is allowable live load based on stress limitation. LL (D) is allowable live load based on deflection limitation of L/180 or L/240. WL is allowable wind load and has been increased by 33.33%.

PANEL-LOC

Panel-Loc is available in Ultra 26 gauge, Prime 29 gauge, and Standard 29 gauge; in painted or bare Galvalume®. Ultra and Prime panels feature CentralGuard® protection and a lifetime paint warranty. Standard panels feature a 40-year paint warranty.

CentralGuard is our specific combination of everything that goes into making the highest-quality metal panels. Choose CentralGuard for the perfect balance of fade protection, rust blocking, and dent resistance.

Bare (unpainted) Galvalume® and galvanized panels from Central States have an acrylic coating which eliminates using oils during manufacturing and eliminates fingerprinting and foot marking during installation.

The minimum roof slope for %" Panel-Loc is 3:12. If slopes less than 3:12 are needed, International Building Code (IBC) allows a sealant tape to be used on the laps of the panel.

PANEL CODES

| TYPE | CODE |
|------------------|---|
| Ultra SMP | PL6(color) |
| Prime SMP/FEVE * | PL9(color) |
| Standard | PL9(color)ST |
| Thrifty SMP | PL6(color)TH |
| | Ultra SMP Prime SMP/FEVE * Standard |

*FEVE available in Copper Metallic only.
FEVE = Flourinated Polymer Paint System

FASTENER SPACING

Follow the suggested fastener patterns below for interior or panel termination. Screws may be placed in either the flat or the rib. In the overlap condition, avoid using fasteners in the major rib as this may damage the siphon groove.

Fastener pattern at panel termination (Eave, endlap, valley, ridge, high eave)



Fastener pattern at interior of panel



SECTION PROPERTIES - PANEL-LOC

36" WIDE, PANEL-LOC™ PANEL

| Gauge | Thickness (inches) | Weight (psf) | Yield Stress (ksi) | | p in Compressi Positive Bendin | | Bottom in Compression (Negative Bending) | | | |
|----------|-----------------------|-----------------|-----------------------|------------|-----------------------------------|------------|---|--------|------------|--|
| | | | | lxx Sxx Ma | | | lxx | Sxx | Ма | |
| | | | | in⁴/ft | in³/ft | in.kips/ft | in⁴/ft | in³/ft | in.kips/ft | |
| 26 ULTRA | 0.0185 | 0.860 | 80.0 | 0.0097 | 0.0198 | 0.7097 | 0.0070 | 0.0189 | 0.677 | |
| 29 PRIME | 0.0150 | 0.698 | 80.0 | 0.0073 | 0.0152 | 0.5460 | 0.0053 | 0.0152 | 0.5477 | |

Section properties and allowables are calculated in accordance with 1996 AISI Specifications and 1999 AISI Supplement No. 1. I +/- is for deflection determination. S +/- is for bending determination. Ma is allowable bending moment. All values are for one foot of panel width. These loads are for panel strength. Frames, purlins, fasteners and all supports must be designed to resist all loads imposed on the panel. Allowable outward loads based on stress have been increased by 33.33% for wind uplift. Allowable loads for deflection are based on deflection limitation of span/180 or span/240. For roof panels, self weight of the panel has to be deducted from the allowable inward load to arrive at the actual "live load" carrying capacity of the panel. Minimum bearing length must be checked. Minimum deliverable bare steel thickness should not be less than 0.95 of design thickness.

THEORETICAL ALLOWABLE LIVE & WIND LOADS

SINGLE SPAN CONDITION

| | | 29 Gauge | & 80 ksi | | 26 Gauge & 80 ksi | | | | |
|-------------|-------------|-------------------|-------------------|---------|-------------------|-------------------|-------------------|---------|--|
| Span (feet) | LL (S)(psf) | LL (D) L/180(psf) | LL (D) L/240(psf) | WL(psf) | LL (S)(psf) | LL (D) L/180(psf) | LL (D) L/240(psf) | WL(psf) | |
| 2 | 91.0 | 80.1 | 60.1 | 121.4 | 118.3 | 105.6 | 79.2 | 150.2 | |
| 2.5 | 58.2 | 41.0 | 30.8 | 77.7 | 75.7 | 54.1 | 40.6 | 96.1 | |
| 3 | 40.4 | 23.7 | 17.8 | 54.0 | 52.6 | 31.3 | 23.5 | 66.8 | |
| 3.5 | 29.7 | 15.0 | 11.2 | 39.6 | 38.6 | 19.7 | 14.8 | 49.1 | |
| 4 | 22.8 | 10.0 | 7.5 | 30.3 | 29.6 | 13.2 | 9.9 | 37.6 | |
| 4.5 | 18.0 | 7.0 | 5.3 | 24.0 | 23.4 | 9.3 | 7.0 | 29.7 | |
| 5 | 14.6 | 5.1 | 3.8 | 19.4 | 18.9 | 6.8 | 5.1 | 24.0 | |
| 6 | 10.1 | 3.0 | 2.2 | 13.5 | 13.1 | 3.9 | 2.9 | 16.7 | |

TWO SPAN CONDITION

| | | 29 Gauge | & 80 ksi | | 26 Gauge & 80 ksi | | | | |
|-------------|-------------|-------------------|-------------------|---------|-------------------|-------------------|-------------------|---------|--|
| Span (feet) | LL (S)(psf) | LL (D) L/180(psf) | LL (D) L/240(psf) | WL(psf) | LL (S)(psf) | LL (D) L/180(psf) | LL (D) L/240(psf) | WL(psf) | |
| 2 | 91.3 | 91.3 | 78.2 | 121.0 | 112.9 | 112.9 | 103.1 | 157.3 | |
| 2.5 | 58.4 | 53.4 | 40.1 | 77.5 | 72.3 | 70.4 | 52.8 | 100.7 | |
| 3 | 40.6 | 30.9 | 23.2 | 53.8 | 50.2 | 40.7 | 30.6 | 69.9 | |
| 3.5 | 29.8 | 19.5 | 14.6 | 39.5 | 36.9 | 25.7 | 19.2 | 51.4 | |
| 4 | 22.8 | 13.0 | 9.8 | 30.3 | 28.2 | 17.2 | 12.9 | 39.3 | |
| 4.5 | 18.0 | 9.2 | 6.9 | 23.9 | 22.3 | 12.1 | 9.1 | 31.1 | |
| 5 | 14.6 | 6.7 | 5.0 | 19.4 | 18.1 | 8.8 | 6.6 | 25.2 | |
| 6 | 10.1 | 3.9 | 2.9 | 13.4 | 12.5 | 5.1 | 3.8 | 17.5 | |

THREE OR MORE SPAN CONDITION

| | | 29 Gauge | & 80 ksi | | 26 Gauge & 80 ksi | | | | |
|-------------|-------------|-------------------|-------------------|---------|-------------------|-------------------|-------------------|---------|--|
| Span (feet) | LL (S)(psf) | LL (D) L/180(psf) | LL (D) L/240(psf) | WL(psf) | LL (S)(psf) | LL (D) L/180(psf) | LL (D) L/240(psf) | WL(psf) | |
| 2 | 106.6 | 106.6 | 106.6 | 141.1 | 131.9 | 131.9 | 131.9 | 183.8 | |
| 2.5 | 68.2 | 68.2 | 58.1 | 90.5 | 84.4 | 84.4 | 76.5 | 117.6 | |
| 3 | 47.4 | 44.8 | 33.6 | 62.8 | 58.6 | 58.6 | 44.3 | 81.7 | |
| 3.5 | 34.8 | 28.2 | 21.2 | 46.2 | 43.1 | 37.2 | 27.9 | 60.0 | |
| 4 | 26.7 | 18.9 | 14.2 | 35.3 | 33.0 | 24.9 | 18.7 | 45.9 | |
| 4.5 | 21.1 | 13.3 | 10.0 | 27.9 | 26.1 | 17.5 | 13.1 | 36.3 | |
| 5 | 17.1 | 9.7 | 7.3 | 22.6 | 21.1 | 12.8 | 9.6 | 29.4 | |
| 6 | 11.8 | 5.6 | 4.2 | 15.7 | 14.7 | 7.4 | 5.5 | 20.4 | |

Theoretical allowable loads are based on uniform span lengths. LL (S) is allowable live load based on stress limitation. LL (D) is allowable live load based on deflection limitation of L/180 or L/240. WL is allowable wind load and has been increased by 33.33%.

DELIVERY

Deliveries will be made using a 65' tractor/trailer weighing approximately 80,000 lbs. It is imperative that all delivery locations be accessible by a vehicle of this size. Our drivers have the authority to refuse delivery to any location they see as unsafe or inaccessible. The customer is responsible

for any charges incurred if truck is detained for any reason. The customer is responsible for unloading all trucks. Any damage that occurs at this point is the customer's responsibility. There must be equipment available to unload the truck. Moffett deliveries require at least one person to assist with unloading.

CARE AND HANDLING

STAGE

Galvalume® steel panels have a good service life when exposed to normal weather conditions; however, to protect the appearance of panels and trims from damage, there are a few simple precautions that can be taken. The steel panels are subject to stain when water sits upon, or becomes trapped between the sheets. If the Galvalume® panels are to be stored for any period of time, they should be stored only in a dry place, preferably under a roof. Stand panels on end and fan them out at the bottom to provide air circulation and moisture run off. If space does not allow this, the panels should be separated, blocked off of the floor at least 12 inches to allow air flow, and stored at an incline to encourage drainage. The panels should then be covered, yet still have good air flow through the sheets to prevent condensation. Do not use a plastic cover, as this may cause the panels to sweat or condensation to occur.

STORAGE

Failure to follow these steps may result in wet storage stains and premature rusting. The manufacturers warranty will be void at this time, and the manufacturer will not be responsible.

HANDLING

When unloading panels, extreme caution must be employed. Care needs to be used when unloading panels with a forklift. Panel edges and underside paint may become damaged if the forklift driver does not use caution. Once at the job site, care must be taken in order to protect the painted surface. When unbundling the panels, never drag them across the surface of one another. This may cause scratches across the underneath panels. It is recommended that the panels be "rolled" off the top of the bundle to prevent scratching. Never lift panels by the ends, instead lift the panels longitudinally and carry vertically.

Panel edges are very sharp, therefore, safety equipment should be worn by all workers handling the material.



Strippable film on Textured panels and trim must be removed within 30 days of manufacture date. Strippable that is left on for more than 30 days may be hard to peel off and is not a reason for a refund or replacement from the manufacturer.

CARE AND HANDLING

CUTTING

A portable field shear is the ideal method for cutting panels. Nibblers or a power shear may also be used. Although we do not recommend it, if you decide to cut with a saw, it is very important that the panels be turned upside down during cutting so that hot shavings do not come in contact with the painted surface. Make sure all adjacent panels are covered so that shavings are not imbedded in these panels. If metal shavings become imbedded in the paint surface, they will quickly rust. To avoid this, panels should be thoroughly wiped of all filings on both sides of the panel. Failure to comply with the recommended cutting procedures releases the manufacturer of any responsibility.

Shavings created by saw cutting or drilling may cause the panel to rust and will void warranties in affected areas.



DRILLING

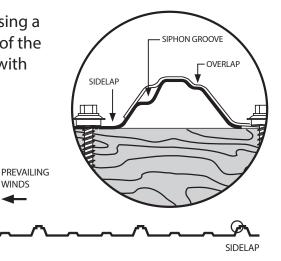
Panels should not be drilled while stacked. This will cause shavings that will become imbedded in the paint surface.

SIPHON GROOVE

Panel-Loc Plus and Panel-Loc have two vertical edges, the overlap and the sidelap. The sidelap edge has a specific bend in the last major rib, called a siphon groove. When the overlap edge is installed on top of the sidelap edge, it creates an air gap that prevents water from wicking under the panel. Panels should be installed with the overlap facing away from the prevailing wind.

Do not damage the siphon groove by using a stitch screw on top of the major rib or clog it with butyl tape.

WINDS

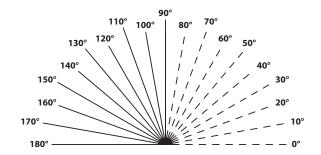


OVERLAP

CONVERTING PITCH TO DEGREE

Use these charts to calculate degrees when designing custom trim. Please specify pitch when ordering.





SINGLE SLOPE PITCHES

Fascia, Eave, Endwall, Tie-In, Gutter

DOUBLE SLOPE PITCHES

Hip, Valley

RIDGE CAP

| 1:12 PITCH | 2:12 PITCH | 3:12 PITCH | 4:12 PITCH | 5:12 PITCH | 6:12 PITCH | 7:12 PITCH | 8:12 PITCH | 9:12 PITCH | 10:12 PITCH | 11:12 PITCH | 12:12 PITCH |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|
| 94° | 99° | 104° | 108° | 112° | 116° | 120° | 123° | 126° | 129° | 132° | 135° |
| 173° | 167° | 160° | 154° | 148° | 143° | 138° | 134° | 130° | 126° | 123° | 120° |
| 170° | 161° | 152° | 143° | 135° | 127° | 120° | 113° | 106° | 100° | 95° | 90° |

TRANSITION TRIM

Find the box that intersects your lower and upper roof pitches.

If the intersection lands in the gray area, select a Lower Transition trim.

Upper Transition Trim





LOWER ROOF PITCH (INCHES OF RISE OVER 12" OF RUN)

| | | | | | | | | | | | | | | | . , | | | | |
|--|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| R 12" OF RUN) | | 1:12 PITCH | 2:12 PITCH | 3:12 PITCH | 4:12 PITCH | 5:12 PITCH | 6:12 PITCH | 7:12 PITCH | 8:12 PITCH | 9:12 PITCH | 10:12 PITCH | 11:12 PITCH | 12:12 PITCH | 13:12 PITCH | 14:12 PITCH | 15:12 PITCH | 16:12 PITCH | 17:12 PITCH | 18:12 PITCH |
| | 1:12 PITCH | | 175° | 171° | 166° | 162° | 158° | 155° | 151° | 148° | 145° | 142° | 140° | 137° | 135° | 133° | 132° | 130° | 128° |
| | 2:12 PITCH | 175° | | 175° | 171° | 167° | 163° | 159° | 156° | 153° | 150° | 147° | 144° | 142° | 140° | 138° | 136° | 135° | 133° |
| | 3:12 PITCH | 171° | 175° | | 176° | 171° | 167° | 164° | 160° | 157° | 154° | 152° | 149° | 147° | 145° | 143° | 141° | 139° | 138° |
| SE OVE | 4:12 PITCH | 166° | 171° | 176° | | 176° | 172° | 168° | 165° | 162° | 159° | 156° | 153° | 151° | 149° | 147° | 145° | 144° | 142° |
| JF PITCH (INCHES OF RISE OVER 12" | 5:12 PITCH | 162° | 167° | 171° | 176° | | 176° | 172° | 169° | 166° | 163° | 160° | 158° | 155° | 153° | 151° | 149° | 148° | 146° |
| | 6:12 PITCH | 158° | 163° | 167° | 172° | 176° | | 176° | 173° | 170° | 167° | 164° | 162° | 159° | 157° | 155° | 153° | 152° | 150° |
| | 7:12 PITCH | 155° | 159° | 164° | 168° | 172° | 176° | | 177° | 173° | 170° | 168° | 165° | 163° | 161° | 159° | 157° | 155° | 154° |
| | 8:12 PITCH | 151° | 156° | 160° | 165° | 169° | 173° | 177° | | 177° | 174° | 171° | 169° | 166° | 164° | 162° | 161° | 159° | 157° |
| R ROOF | 9:12 PITCH | 148° | 153° | 157° | 162° | 166° | 170° | 173° | 177° | | 177° | 174° | 172° | 170° | 167° | 166° | 164° | 162° | 161° |
| UPPER | 10:12 PITCH | 145° | 150° | 154° | 159° | 163° | 167° | 170° | 174° | 177° | | 177° | 175° | 173° | 170° | 168° | 167° | 165° | 163° |
| | 11:12 PITCH | 142° | 147° | 152° | 156° | 160° | 164° | 168° | 171° | 174° | 177° | | 178° | 175° | 173° | 171° | 169° | 168° | 166° |
| | 12:12 PITCH | 140° | 144° | 149° | 153° | 158° | 162° | 165° | 169° | 172° | 175° | 178° | | 178° | 176° | 174° | 172° | 170° | 169° |
| | | | | | | | | | | | | | | | | | | | |

SQUARE CONVERSIONS

For 26 ga. and 29 ga. low rib panels there are 2 formulas; one for panels measured in inches and one for panels measured in feet. While the actual panel width is 38", there will only be 36" of coverage per panel. Squares are figured based on actual width. One square is equal to a panel 31.579 feet long. One square of metal will give you approximately 94.5 square feet of coverage. One square is equal to 14,400 square inches.

EXAMPLE USING INCHES:

38 (or width in inches) multiplied by length in inches multiplied by # of pieces divided by 14,400

Number of panels = 12

Panel width = 38"

Panel length = 144" Square inches = 14,400 38" x 144" x 12 equals 4.56 squares of metal 14,400

EXAMPLE USING FEET:

length in feet multiplied by # of pieces divided by 31.579*

Number of panels = 12

equals 4.56 squares of metal 12 x 12 31.579

Panel width = 38"

Panel length = 12'

*For 26ga. Thrifty Panel-Loc Plus or Panel-Loc, use 31.373 in place of 31.579.

COMMON RAFTER LENGTHS (PEAK TO SIDEWALL)

| Running Feet | 1:12 Pitch | 2:12 Pitch | 3:12 Pitch | 4:12 Pitch | 5:12 Pitch | 6:12 Pitch |
|--------------|------------|------------|-------------|-------------|------------|-------------|
| 1 | 1' 0" | 1' 1/8" | 1' 3/8" | 1' 5/8" | 1'1" | 1' 1-3/8" |
| 2 | 2' 1/8" | 2' 3/8" | 2' 3/4" | 2' 1-1/4" | 2'2" | 2' 2-7/8" |
| 3 | 3' 1/8" | 3' 1/2" | 3' 1-1/8" | 3' 2" | 3'3" | 3' 4-1/4" |
| 4 | 4' 1/8" | 4' 5/8" | 4' 1-1/2" | 4' 2-5/8" | 4'4" | 4' 5/8" |
| 5 | 5' 1/4" | 5' 7/8" | 5' 1-7/8" | 5' 3-1/4" | 5'5" | 5' 7-1/8" |
| 6 | 6' 1/4" | 6' 1" | 6' 2-1/4" | 6' 3-7/8" | 6'6" | 6' 8-1/2" |
| 7 | 7' 1/4" | 7' 1-1/8" | 7' 2-5/8" | 7' 4-1/2" | 7'7" | 7' 9-7/8" |
| 8 | 8' 3/8" | 8' 1-3/8" | 8'3" | 8' 5-1/4" | 8'8" | 8' 11-3/8" |
| 9 | 9' 3/8" | 9' 1-1/2" | 9' 3-3/8" | 9' 5-7/8" | 9'9" | 10' 3/4" |
| 10 | 10' 3/8" | 10' 1-5/8" | 10' 3-3/4" | 10' 6-1/2" | 10'10" | 11' 2-1/8" |
| 11 | 11' 1/2" | 11' 1-7/8" | 11' 4-1/8" | 11' 7-1/8" | 11'11" | 12' 3-5/8" |
| 12 | 12' 1/2" | 12' 2" | 12' 4-3/8" | 12' 7-3/4" | 13'0" | 13' 5" |
| 13 | 13' 1/2" | 13' 2-1/8" | 13' 4-3/4" | 13' 8-1/2" | 14'1" | 14' 6-3/8" |
| 14 | 14' 5/8" | 14' 2-3/8" | 14' 8-1/8" | 14' 9-1/8" | 15'2" | 15' 7-7/8" |
| 15 | 15' 5/8" | 15' 2-1/2" | 15' 5-1/2" | 15' 9-3/4" | 16'3" | 16' 9-1/4" |
| 16 | 16' 5/8" | 16' 2-5/8" | 16' 5-7/8" | 16' 10-3/8" | 17'4" | 17' 10-5/8" |
| 17 | 17' 5/8" | 17' 2-7/8" | 17' 6-1/4" | 17' 11" | 18'5" | 19' 1/8" |
| 18 | 18' 3/4" | 18' 3" | 18' 6-5/8" | 18' 11-5/8" | 19'6" | 20' 1-1/2" |
| 19 | 19' 3/4" | 19' 3-1/8" | 19' 7" | 20' 3/8" | 20'7" | 21' 2-7/8" |
| 20 | 20' 7/8" | 20' 3-3/8" | 20' 7-3/8" | 21' 1" | 21'8" | 22' 4-3/8" |
| 21 | 21' 7/8" | 21' 3-1/2" | 21' 7-3/4" | 22' 1-5/8" | 22'9" | 23' 5-3/4" |
| 22 | 22' 7/8" | 22' 3-5/8" | 22' 8-1/8" | 23' 2-1/4" | 23'10" | 24' 7-1/8" |
| 23 | 23' 1" | 23' 3-3/4" | 23' 8-1/2" | 24' 3" | 24'11" | 25' 8-5/8" |
| 24 | 24' 1" | 24' 4" | 24' 8-7/8" | 25' 3-5/8" | 26'0" | 26' 10" |
| 25 | 25' 1" | 25' 4-1/8" | 25' 9-1/4" | 26' 4-1/4" | 27'1" | 27' 11-3/8" |
| 26 | 26' 1-1/8" | 26' 4-1/4" | 26' 9-1/2" | 27' 5" | 28'2" | 29' 3/4" |
| 27 | 27' 1-1/8" | 27' 4-1/2" | 27' 9-7/8" | 28' 5-5/8" | 29'3" | 30' 2-1/4" |
| 28 | 28' 1-1/8" | 28' 4-3/4" | 28' 10-1/4" | 29' 6-1/4" | 30'4" | 31' 3-3/4" |
| 29 | 29' 1-1/4" | 29' 4-7/8" | 29' 10-5/8" | 30' 6-7/8" | 31'5" | 32' 5-1/8" |
| 30 | 30' 1-1/4" | 30' 5" | 30'11" | 31' 7-1/2" | 32'6" | 33' 6-1/2" |
| 31 | 31' 1-3/8" | 31' 5-1/8" | 31' 11-3/8" | 32' 8-1/8" | 33'7" | 34' 7-7/8" |
| 32 | 32' 1-3/8" | 32' 5-1/4" | 32' 11-3/4" | 33' 8-3/4" | 34'8" | 35' 9-1/4 |
| 33 | 33' 1-1/2" | 33' 5-1/2" | 34' 1/8" | 34' 9-3/8" | 35'9" | 36' 10-3/4" |
| 34 | 34' 1-1/2" | 34' 5-3/4" | 35' 1/2" | 35' 10" | 36'10" | 38' 1/4" |
| 35 | 35' 1-1/2" | 35' 5-7/8" | 36' 7/8" | 36' 10-5/8" | 37'11" | 39' 1-5/8" |

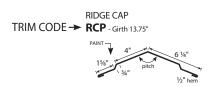
HOW TO ORDER TRIM

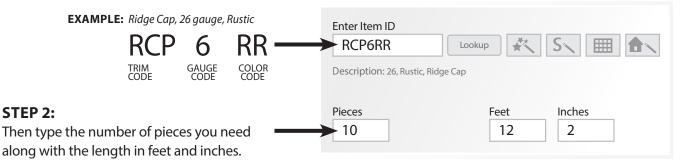
STEP 1:

In CentralLink™, start by entering the Item ID.

Item ID is made of the TRIM CODE, a GAUGE CODE, and a COLOR CODE.

The TRIM CODE can be found with each drawing next to the trim's name. The GAUGE CODE and COLOR CODES are found below.





PANEL GAUGE

29

29

29

29

29

29

29

29

29

29

TRIM GAUGE

26

26

26

26

26

26

26

26

26

26

CODE

ВА

CE

GT

LN

MI

ОХ

RM

SI

SE

SU

TEXTURE SMP

Basil*

Cream*

Granite*

Mineral*

Linen*

Onyx*

Roma*

Sienna*

Suede*

Sumatra*

CentralLink order screen

GAUGE CODES

GAUGE CODE 26 6 29 9

COLOR CODES

PANEL

TRIM

| SMP | GAUGE | GAUGE | CODE |
|-------------------|-------|-------|------|
| Alamo | 29/26 | 29 | AW |
| Black | 29/26 | 29/26 | BK |
| Brilliant | 29/26 | 29/26 | BI |
| Brown | 29/26 | 29/26 | BR |
| Burgundy | 29/26 | 29/26 | BG |
| Burnished Slate | 29/26 | 29/26 | BS |
| Charcoal | 29/26 | 29/26 | CH |
| Colony | 29 | 26 | CG |
| Copper Metallic** | 29 | 29/26 | CM |
| Crimson | 29/26 | 29/26 | CR |
| Deep Red | 29 | 29 | DR |
| Desert | 29 | 26 | DS |
| Forest | 29/26 | 29/26 | DG |
| Gallery | 29/26 | 29/26 | GB |
| Galvalume® | 29/26 | 29/26 | GL |
| Galvanized | 29 | 29 | ZN |
| Gray | 29/26 | 29/26 | GA |
| Hawaiian | | 26 | HB |
| Hunter | 29/26 | 29/26 | GR |
| Ivory | 29 | 29 | IV |
| Light Stone | 29/26 | 29/26 | LS |
| Ocean | 29/26 | 29 | OB |
| Pewter | 29 | 29 | PG |
| Polar | | 26 | PW |
| Rustic | 29/26 | 29/26 | RR |
| Tan | 29/26 | 29/26 | TN |
| Taupe | 29/26 | 29/26 | TA |

^{*} Longer lead times may apply. ** Copper Metallic is Fluropon*. Galvalume* is a registered trademark of BIEC International, Inc..

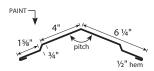
ROOF TRIMS

Unless otherwise noted, trims come in 29 or 26 gauge, and all angles are 90° or 45°. See page 12 for gauge and color codes.

RIDGE CAP - Specify pitch.

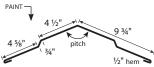
RIDGE CAP

RCP - Girth 13.75"



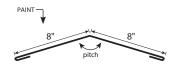
RIDGE CAP

RC2 - Girth 20.75"



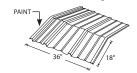
RESIDENTIAL RIDGE CAP

RRCP - Girth 17"



FORMED RIDGE CAP

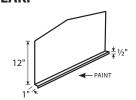
PPFRCP - Panel-Loc Plus, length 3' PLFRCP - Panel-Loc, length 3'



29 gauge only. Maximum pitch 4:12. Longer lead times may apply.

Recommended for 6:12 or less.

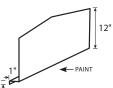
PEAK PLATE **PEAKP**



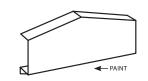
PEAK PLATE REVERSED

Recommended for all pitches.



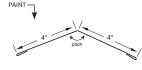


PEAK BOX LRPBOXF - 13"



HIP CAP

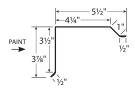
HIP - Girth 9"



RAKE, GABLE, EAVE

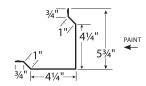
RESIDENTIAL RAKE

RRT - Girth 10.75"



RAKE & CORNER

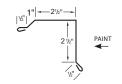
COR - Girth 13"



MINI RESIDENTIAL RAKE

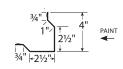
RRTM - Girth 8"

Standard 4:12.



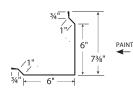
MINI CORNER

MCRN - Girth 9.5"



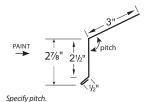
GABLE

GT6 - Girth 16.5"



RESIDENTIAL EAVE

RET - Girth 6.5"



RESIDENTIAL DRIP EDGE



21/8"

90° pitch if not specified.

FASCIA



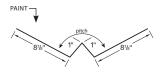


Specify pitch.

VALLEY

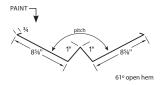
VALLEY

VT1 - Girth 19.75"



VALLEY

VT2 - Girth 20.75"



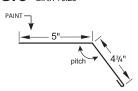
ROOF TRIMS

Unless otherwise noted, trims come in 29 or 26 gauge, and all angles are 90° or 45°. See page 12 for gauge and color codes.

TRANSITION TRIMS - Specify pitch.

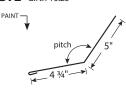
GAMBREL TRIM UPPER

GTU - Girth 10.25"



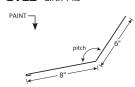
GAMBREL TRIM LOWER

GTL - Girth 10.25"



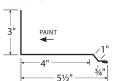
GAMBREL TRIM LOWER

GTL2 - Girth 14.5"



UNIVERSAL SIDEWALL

SF1 - Girth 9.25"



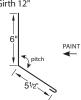
UNIVERSAL ENDWALL

EF - Girth 12.5"



ENDWALL FLASHING

EFF - Girth 12"



WALL TRIMS

Unless otherwise noted, trims come in 29 or 26 gauge, and all angles are 90° or 45°. See page 12 for gauge and color codes.

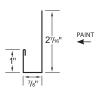
INSIDE CORNER

IC1 - Girth 13"



J-TRIM

JT - Girth 4.8125"



WINDOW DRIP CAP

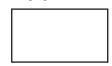
WC - Girth 3.75"



FLAT SHEET

FS9 - 29 gauge. Girth 43"

FS6 - 26 gauge. Girth 41.5625"

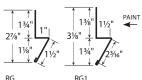


10 sheets or fewer will be packaged in a roll. Additional pallet charge on orders of 10 or more.

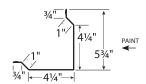
RAT GUARD

RG - Girth 4.75"

RG1 - Girth 5.5625"







MINI CORNER MCRN - Girth 9.5"



SOUARE BASE SBA - Girth 5"



WALL TRIMS

Unless otherwise noted, trims come in 29 or 26 gauge, and all angles are 90° or 45°. See page 12 for gauge and color codes.

ANGLE

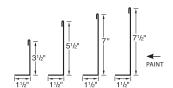
POST TRIM

SA312 - Girth 5.5"

SA512 - Girth 7.5"

SA7 - Girth 9"

SA712 - Girth 9.5"



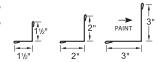
For hem on other leg, refer to Residential Fascia Trim.

INSIDE ANGLE

IA112 - Girth 4"

IA2X2 - Girth 5"

IA3X3 - Girth 7"



DOUBLE ANGLE

DA1 - Girth 3.5"



Use with wainscot.

DA2 - Girth 4.5"



WIDE DOUBLE ANGLE

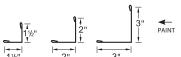
Use with wainscot.

SINGLE ANGLE

SA112 - Girth 4"

SA2X2 - Girth 5"

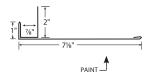
SA3X3 - Girth 7"



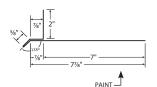
FRAMED OPENING TRIMS

OVERHEAD DOOR JAMB 7 1/8

OHDJ7 - Girth 12.5"



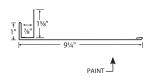
OVERHEAD DOOR JAMB 7 1/8 OHDJWD7 - Girth 12"



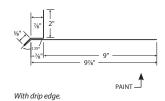
With drip edge.

OVERHEAD DOOR JAMB 9 1/4

OHDJ9 - Girth 14.25"



OVERHEAD DOOR JAMB 9 1/8 OHDJWD9 - Girth 14"



DOOR POST TRIM

DJ8 - Girth 12.5"



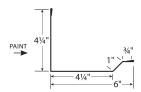
DOOR POST TRIM

DJ9 - Girth 13.5"



DOOR EDGE

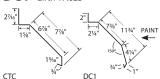
DJ10 - Girth 11.25"



ROUND TRACK COVER

CTC - Girth 13"

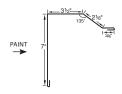
DC1 - Girth 17.625"



SLIDING DOOR TRIMS

TRACK DOOR JAMB

TDJT - Girth 14.375"



SQUARE TRACK COVER NATL **NTC** - Girth 12.1875"

NT2 - Girth 9.125"

NTC

SOFFIT/FASCIA

Unless otherwise noted, trims come in 29 or 26 gauge, and all angles are 90° or 45°. See page 12 for gauge and color codes.

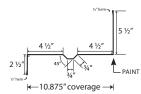


PAINT 16"

29 gauge only. Length 12'.

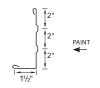
GABLE BASE SOFFIT

GB1 - Girth 20.25"



BEADED FASCIA

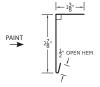
BFT9(color)102 - Girth 8.25"



29 gauge only. Length 10'2".

SOFFIT F ADAPTOR

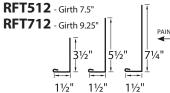
SFA - Girth 4.75"



Random color. Use to make F&J Assembly.

RESIDENTIAL FASCIA TRIM

RFT312 - Girth 5.5"



FASCIA

FT - Girth 9"



Specify pitch.

J-TRIM

JT - Girth 4.8125"



Use to make F&J Assembly.

PFJ - Girth 9.125"

F&J ASSEMBLY - (SFA & JT)



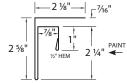
SOFFIT J-TRIM

SJT - Girth 3.625"

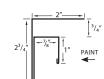


SOFFIT F&J

SFJ - Girth 9.375"



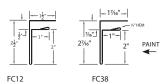
PANEL-LOC PLUS F&J

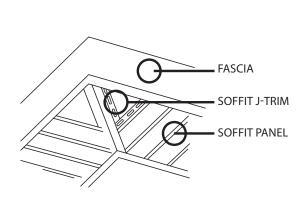


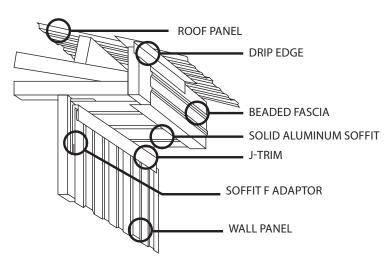
F CHANNEL

FC12 - Girth 7.5"

FC38 - Girth 7.375"





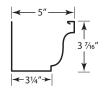


GUTTERS

K5 Gutters are not available in Galvalume, Hawaiian, or Polar.

K5 GUTTER

K5G9(color)206 - Length 20'6"



K5 GUTTER END CAP **K5ECR(color)** - Right **K5ECL(color)** - Left



Specify right or left hand.

FLUTED DOWNSPOUT

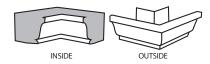
K6DS(color)100 - Length 10'



Sold separately or 15 per box.

CORNER BOXES

K5GISQCR - Inside K5GOSQCR - Outside



White only.

DOWNSPOUT STRAP **K6DSS(color)**

Chl. 1 2 11. (1)

Sold separately or 100 per box.

K5GCFZ

CONCEALED FASCIA BRACKET



Sold separately or 100 per box.

DOWNSPOUT ELBOW

K6EA(color) - Style A, 3" x 4" K6EB(color) - Style B, 4" x 3"



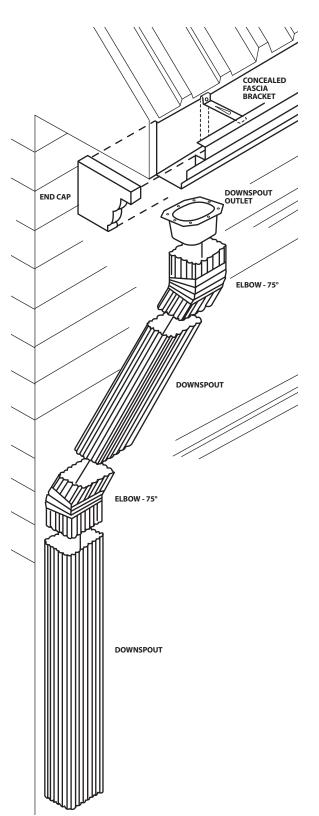
Sold separately or 20 per box. Style A shown.

DOWNSPOUT OUTLET

K5GOOFZ - Fits inside K5 Gutter



Sold separately or 20 per box.



ACCESSORIES

BUTYL TAPE



| PART# | LENGTH | WIDTH | THICKNESS | ROLLS PER BOX |
|-------------------------|---------------------------|-------|-----------|---------------|
| BT3/8 Recommended fo | 45' or Panel-Loc Plus. | 3/8" | 3/32" | 40 |
| BTR | 40' | 7/8" | 3/16" | 10 |
| BTL | 45' | 3/4" | 3/32" | 24 |

Install between fastener and exposed edge.
Rolls per box may vary by location and vendor. Check with your sales person for details.

SEALANT



PART# SIZE COLOR **GEO**(color) 10.3 oz. tube clear, gray, white MRS10(color) 10.3 oz. tube call for colors MRS10CLEAR 10.3 oz. tube clear

TOUCH UP PAINT

TP(color) - SMP, 0.6 oz. bottle w/brush. 12PURSP - Purlin paint, 12 oz. spray.

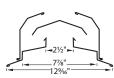




Door knobs sold separately.

CONTINUOUS RIDGE VENT RLW - Available white only.

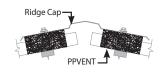
Length 10'.



PROFILE RIDGE VENT

Length 100'. Width 3". Thickness 1".

PPVENT - Net free area 23.3 sq.in/ft.



FASTENERS

Fastener color availability may vary by location, contact your sales consultant for details. Order fasteners in increments of 250 pieces.

| TYPE | PART # | LENGTH | DIAMETER | HEAD | COLOR | #BAG |
|------------------------|-----------------|--------|----------|-----------------|------------------------|-------|
| METAL/WOOD | 1(color)MW | 1" | #10 | 1/4" Hex | all | 250 |
| METAL/WOOD | 112(color)MW | 1 1/2" | #10 | 1/4" Hex | all | 250 |
| METAL/WOOD LONG LIFE | 112(color)ZXLMW | 1 1/2" | #10 | 5/16" Hex | all | 250 |
| METAL/WOOD | 2(color)MW | 2" | #10 | 1/4" Hex | all | 250 |
| METAL/WOOD | 212(color)MW | 2 1/2" | #10 | 1/4" Hex | all | 250 |
| METAL/WOOD | 3(color)MW | 3" | #10 | 1/4" Hex | all | 250 |
| METAL/WOOD STITCH | 34(color)ST | 3/4" | #12 | 1/4" Hex | all | 250 |
| | | | | | | |
| METAL/METAL | 34(color)MM | 3/4" | #12 | 5/16" Hex | all | 250 |
| METAL/METAL | 114(color)MM | 1 1/4" | #12 | 5/16" Hex | all | 250 |
| METAL/METAL | 112(color)MM | 1 1/2" | #12 | 5/16" Hex | AW, BI, GL, GR, LS, ZN | 1 250 |
| METAL/METAL | 2ZMM | 2" | #12 | 5/16" Hex | galvanized | 250 |
| METAL/METAL LAP | 78(color)LAP | 7/8" | #14 | 5/16" Hex | all | 250 |
| | | | | | | |
| LOW PROFILE WAFER HEAD | 1WFAST | 1" | #10 | #2 Square drive | galvanized | 250 |
| POP RIVET | POP(color) | | 1/8" | | ALL | 100 |

ACCESSORIES

CLOSURES - Sold separately or by the box.



Panel-Loc Plus outside closure shown.



Panel-Loc Plus inside closure shown.



INSIDE CLOSURE - Length 3! 100 per box.

PPCLIN Panel-Loc Plus

PPCLINGLUE Panel-Loc Plus - with adhesive

PLCLIN Panel-Loc

PLCLINGLUE Panel-Loc - with adhesive OUTSIDE CLOSURE - Length 3! 100 per box. **PPCLOUT** Panel-Loc Plus

PPCLOUTGLUE Panel-Loc Plus - with adhesive

PLCLOUT Panel-Loc

PLCLOUTGLUE Panel-Loc - with adhesive

CLOSURE VENT - Length 3'. 25 rolls per box.

PPCLV Panel-Loc Plus **PLCLV** Panel-Loc

Closure is 1 3/8" tall and may require longer screws for installation. Item may vary from sample shown.

Panel-Loc Plus closure vent shown

RFTRO-FASE **RETROEASE**



Length 300'.

GRAYFLEX

GRAYFLEX-6 - 24-rolls per box.

For use with hips and valleys.



Length 20'. Width 1". Thickness 1".

UNIVERSAL POLYFOAM

POLYG - With glue. 10-rolls per box.



Length 25'. Width 1 1/2". Thickness 1 1/2".

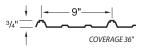
FLEXOVENT

FLEXOVENT - (2) 10' rolls per box.



Length 10'. Width 3". Thickness 1 1/2".

 $SKYLIGHTS \ \ - \textit{For best results, use approved sealant (MRS10SKY) and washer (118WASHER). Skylights should be \textit{predrilled.}}$



Panel-Loc Plus skylight shown.

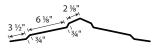
Panel-Loc Plus - Clear Polycarbonate

PPSKYPCC8 - Length 8'. PPSKYPCC10 - Length 10'. PPSKYPCC12 - Length 12'.

Panel-Loc Plus - White Polycarbonate

PPSKYPCW8 - Length 8'. PPSKYPCW10 - Length 10'. PPSKYPCW12 - Length 12'.

Panel-Loc - Fiberglass 5 oz. sqft weight PLSKY12 - Length 12'.





Skylight Ridge Cap - Universal RCPCC10 - Clear Polycarbonate RCPCW10 - White Polycarbonate Length 10'6". Width 25".

Skylight Sealant - Clear.

MRS10SKY 10.3 oz. tube

Approved for skylight use.

Skylight Washer - White. 118WASHER - 100 per bag. 1/8" outside diameter, 1/4" inside diameter

Do not overtighten to allow for expansion of material.

$MASTER\ PIPE\ FLASHING\ - Install\ in\ a\ diamond\ shape\ and\ not\ parallel\ to\ the\ rib.$

Square - Max temperature 250°.



MPF - Pipe size .25" to 5.75"

MPF2 - Pipe size .875" to 4"

MPF4 - Pipe size 2.75" to 7" MPF5 - Pipe size 4" to 8.25"

MPF6 - Pipe size 4.75" to 10"

MPF7 - Pipe size 5.5" to 11.5"

MPF8 - Pipe size 6.75" to 13.5"

MPF9 - Pipe size 9.5" to 20.5"

Silicone - Orange, high temp max 500°.

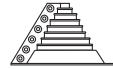
3SMPF - Pipe size .25" to 4" **4SMPF** - Pipe size 2.75" to 7"

6SMPF - Pipe size 4.75" to 10"

85MPF - Pipe size 6.75" to 13.5"

10SMPF - Pipe size 12" to 28.5"

Square with zipper - Max temperature 250°.



MPF1ZIP - Pipe size .5" - 4"

MPF2ZIP - Pipe size 4" - 9.25"

SLIDING DOOR

To figure a sliding door you will need to know:

- 1. What is the door opening width?
- 2. What is the door height?
- 3. Is it a single or double door?
- 4. Do they want track cover?
- 5. Do they want to attach the door using a side mount or top mount hanger?

MINIMUM COMPONENTS NEEDED

Door Track – You need twice the footage for the door opening. A 10' door will need 20' of track.

Splice Collars – You need these to connect the track sections together.

Trolleys – 1 Pair per door is usually enough.

Track Hangers – Either side mount or top mount (with or without cover supports). Divide the total track footage in half and add one.

EXTRA COMPONENTS

End caps - One pair per each door opening.

Vertical Rails – If it is a single door, two male vertical rails are needed. Length is determined by the door height. If it is a double door, three male rails and one female vertical rail are needed.

Latches – Used to snug the door tight to the jambs when closed.

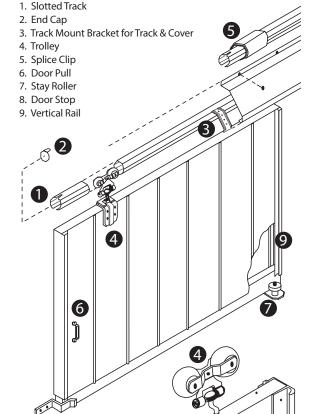
Center Bar or Chain Latch – Use either one on a double door to close the door together at the center.

Door Pulls - One needed per door.

Door Stops – Used to stop the door from sliding too far.

Bottom guide rail system – Either use the aluminum bottom rail for guide along with the bottom guide rail, or use the aluminum bottom rail for stayroller along with a stayroller. To figure amount of guide needed, take the length closest to 60% of the door width.

Track Cover – Used to cover the sliding door track. Round track cover is used with a round track system. National track cover is used with a square track system. You need to make sure to use the track hangers with cover supports if track cover is used.



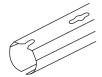
EXAMPLE

These are the parts needed for a 20' wide door opening, with double doors, 14' tall with track cover, using side mount brackets.

- 10STRK 4
- 14VRTRL 3
- SPLCLP 3
- 14VRTRWH 1
- ENDCAP 2
- 10BRL 2
- TRLYWRB 2
- 6BGRL 2
- SMB/CS 21
- CGWHD 1
- DRPUL 2
- DRSTPVWC 2
- LTCH 2
- CTC 4
- CTRCHLK 1

SLIDING DOOR

SLOTTED TRACK



STRK80 - Length 8'. STRK100 - Length 10'.

STRK120 - Length 12'.

STRK140 - Length 14'.

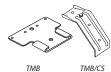
SPLICE CLIP **SPLCLP**



TRACK END CAPS **ENDCAPS** - Sold in pairs.

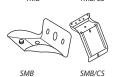


TRACK MOUNTING BRACKETS



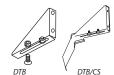
TOP MOUNT BRACKET **TMB**

 $\label{thm:cover_support} \textbf{TMB/CS}\text{-} \ \text{with cover support}.$



SIDE MOUNT BRACKET **SMB**

 $\label{eq:smb_cs} \textbf{SMB/CS} - with cover support.$



DOUBLE SIDE MOUNT BRACKET

DTB

DTB/CS - with cover support.





VRTRL100 - 10' AV Male

VRTRL120 - 12' AV Male

VRTRL140 - 14' AV Male

VRTRL160 - 16' AV Male



VRTWH100 - 10' HV Female

VRTWH120 - 12' HV Female

VRTWH140 - 14' HV Female

VRTWH160 - 16' HV Female

DOOR GUIDE SYSTEM These three components are designed to go together as a guide system. Be sure to also order a Heavy Duty Stay Roller.



CENTER DOOR GUIDE

CGWHD

BOTTOM RAIL - FOR CENTER DOOR GUIDE



BRL80 - Length 8'

BRL100 - Length 10'

BRL120 - Length 12'

BRL140 - Length 14'

BRL160 - Length 16'



BOTTOM RAIL GUIDE

BGRL60 - Length 6'

BGRL80 - Length 8'

BGRL100 - Length 10'

SLIDING DOOR

HEAVY DUTY STAY ROLLER

These two components are designed to go together as a guide system.

STYRLLR



ABRL12 - Length 12'.



Aluminum bottom rail for stay roller.

TROLLYS - 2 per bag

PLATE TROLLY **DSRLLRWRB** - With roller bearing

9.5" BOLT TROLLY **TRLYWRB** - With roller bearing







SLIDING DOOR ACCESSORIES

DOOR PULL **DRPUL** - Available in white only.



JAMB LATCH (cam latch) **LTCH**

INSIDE DOOR STOP **IDS**



CENTER CHAIN LOCK **CTRCHLK**



HEAVY DUTY DOOR STOP **DRSTP**



CENTER BAR LOCK **CTRBAR**



ADJUSTABLE DOOR STOP **DRSTPWVC**







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