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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 ¾" Panel-Loc Plus[™] 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

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

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

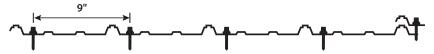
FASTENER SPACING

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



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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	Ma		
				in⁴/ft	in³/ft	in.kips/ft	in⁴/ft	in³/ft	in.kips/ft		
26 ULTRA	0.0185	0.866	80.0	0.0133	0.0220	0.7913	0.0093	0.0198	0.7123		
29 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 a	& 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 (D) L/180(psf)	LL (D) L/240(psf)	WL(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 (5) 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%.

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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 5/8" 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

PANEL PROFILE Panel-Loc[™] Panel-Loc[™] Panel-Loc[™]

TYPE Ultra SMP Prime SMP/FEVE * Standard Thrifty SMP

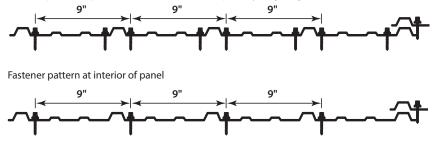
CODE PL6(color) PL9(color) PL9(color)ST PL6(color)TH

> *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)



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	Ma	
				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 a	& 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 a	& 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 (5) 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%.

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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.

Moffett deliveries require at lea onsible person to assist with unloading

> 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.

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.

DRILLING

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

CARE AND HANDLING

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



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.

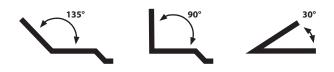
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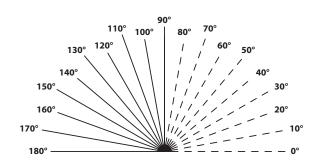
OVERLAP

SIDELAP

CONVERTING PITCH TO DEGREE

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





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 РІТСН	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°

SINGLE SLOPE PITCHES Fascia, Eave, Endwall, Tie-In, Gutter

DOUBLE SLOPE PITCHES Hip, Valley

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

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





		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 РІТСН	11:12 РІТСН	12:12 PITCH	13:12 PITCH	14:12 PITCH	15:12 РІТСН	16:12 РІТСН	17:12 РІТСН	18:12 РІТСН
(7	1:12 PITCH		175°	171°	166°	162°	158°	155°	151°	148°	145°	142°	140°	137°	135°	133°	132°	130°	128°
OF RUN)	2:12 PITCH	175°		175°	171°	167°	163°	159°	156°	153°	150°	147°	144°	142°	140°	138°	136°	135°	133°
OVER 12"	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°
S OF RISE	5:12 PITCH	162°	167°	171°	176°		176°	172°	169°	166°	163°	160°	158°	155°	153°	151°	149°	148°	146°
(INCHES	6:12 PITCH	158°	163°	167°	172°	176°		176°	173°	170°	167°	164°	162°	159°	157°	155°	153°	152°	150°
PITCH	7:12 PITCH	155°	159°	164°	168°	172°	176°		177°	173°	170°	168°	165°	163°	161°	159°	157°	155°	154°
DF PI	8:12 PITCH	151°	156°	160°	165°	169°	173°	177°		177°	174°	171°	169°	166°	164°	162°	161°	159°	157°
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°
ر	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 <u>38" x 144" x 12</u> 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 Panel width = 38" Panel length = 12' 12 x 12 equals 4.56 squares of metal 31.579

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

			_			- ·
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"

COMMON RAFTER LENGTHS (PEAK TO SIDEWALL)

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HOW TO ORDER TRIM

STEP 1:

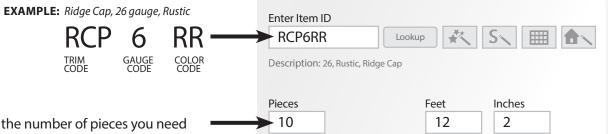
STEP 2:

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.







Then type the number of pieces you need along with the length in feet and inches.

CentralLink order screen

GAUGE CODES					
GAUGE	CODE				
26	6				
29	9				

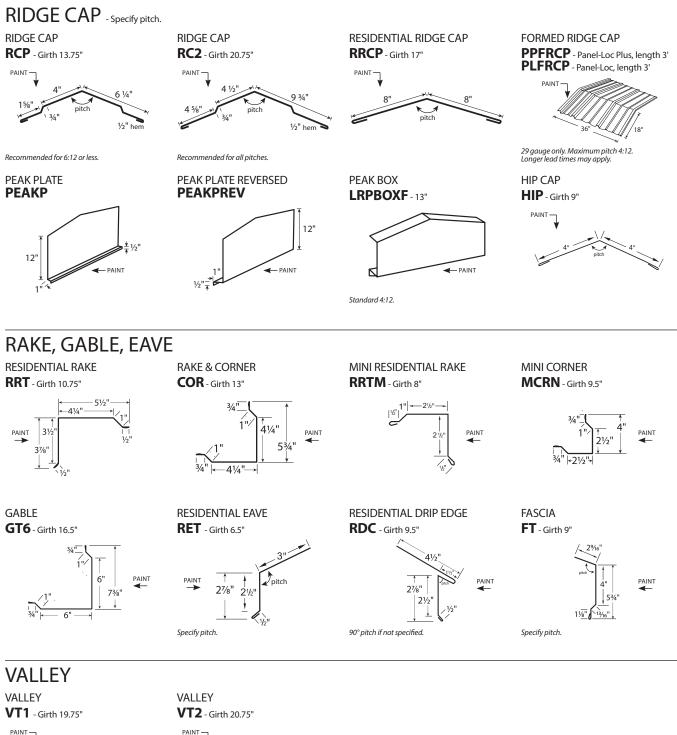
COLOR CODES

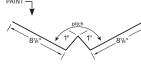
SMP	PANEL GAUGE	TRIM GAUGE	CODE	TEXTURE SMP	PANEL GAUGE	TRIM GAUGE	CODE
Alamo	29/26	29	AW	Basil*	29	26	BA
Black	29/26	29/26	BK	Cream*	29	26	CE
Brilliant	29/26	29/26	BI	Granite*	29	26	GT
Brown	29/26	29/26	BR	Linen*	29	26	LN
Burgundy	29/26	29/26	BG	Mineral*	29	26	MI
Burnished Slate	29/26	29/26	BS	Onyx*	29	26	OX
Charcoal	29/26	29/26	CH	Roma*	29	26	RM
Colony	29	26	CG	Sienna*	29	26	SI
Copper Metallic**	29	29/26	CM	Suede*	29	26	SE
Crimson	29/26	29/26	CR	Sumatra*	29	26	SU
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				
lvory	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.





8%¹ 1 1 8%¹ 61° open hem

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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.

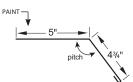
TRANSITION TRIMS - Specify pitch.

PAINT

GAMBREL TRIM UPPER GTU - Girth 10.25"

UNIVERSAL ENDWALL

EF - Girth 12.5"

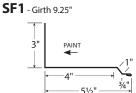


GAMBREL TRIM LOWER GTL - Girth 10.25"

ENDWALL FLASHING

EFF - Girth 12"





UNIVERSAL SIDEWALL

WALL TRIMS

41⁄4"

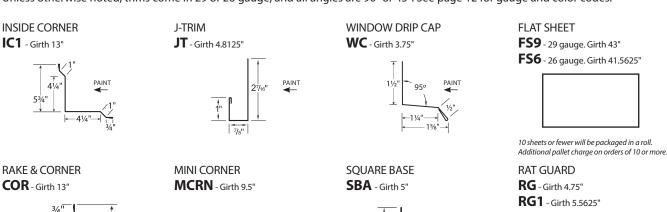
53/

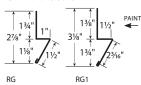
PAINT

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

PAINT





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WALL TRIMS

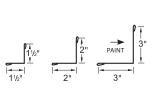
Unless otherwise noted, trims come in 29 or 26 gauge, and all angles are 90° or 45°. See page 12 for gauge and color codes.

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.







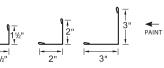




WIDE DOUBLE ANGLE

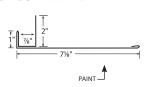
Use with wainscot.

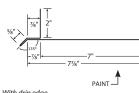
SINGLE ANGLE SA112 - Girth 4" **SA2X2** - Girth 5" **SA3X3** - Girth 7"



FRAMED OPENING TRIMS

OVERHEAD DOOR JAMB 7 1/8 OHDJ7 - Girth 12.5"





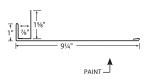
OVERHEAD DOOR JAMB 7 7/8

OHDJWD7 - Girth 12"

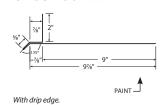




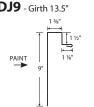
OVERHEAD DOOR JAMB 9 1/4 OHDJ9 - Girth 14.25"







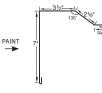
DOOR POST TRIM DJ8 - Girth 12.5"



DOOR EDGE DJ10 - Girth 11.25" 41/ 41/4

SLIDING DOOR TRIMS

TRACK DOOR JAMB **TDJT** - Girth 14.375"





ROUND TRACK COVER CTC - Girth 13" DC1 - Girth 17.625" 15/16"

DC1

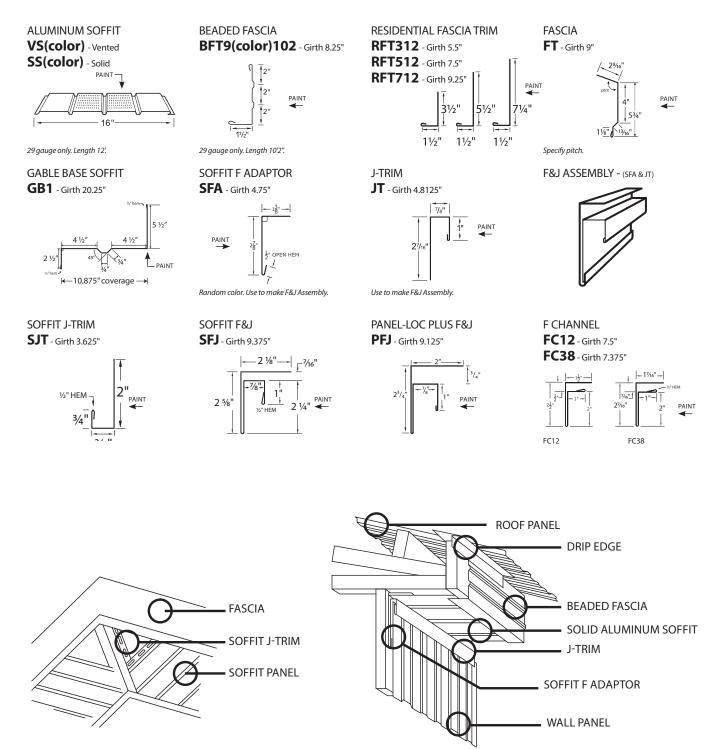
СТС

PAINT



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.



GUTTERS

K5 Gutters are not available in Galvalume, Hawaiian, or Polar. **K5 GUTTER** K5 GUTTER END CAP K5G9(color)206 - Length 20'6" K5ECR(color) - Right K5ECL(color) - Left 3 7/16 left hand shown **←**3¼″→ Specify right or left hand. FLUTED DOWNSPOUT CORNER BOXES K6DS(color)100 - Length 10' K5GISQCR - Inside K5GOSQCR - Outside INSIDE OUTSIDE White only. Sold separately or 15 per box. DOWNSPOUT STRAP CONCEALED FASCIA BRACKET K6DSS(color) K5GCFZ

Sold separately or 100 per box.

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

OED(COIOF) - Style B, 4



Sold separately or 20 per box. Style A shown.

DOWNSPOUT OUTLET **K5GOOFZ** - Fits inside K5 Gutter



Sold separately or 100 per box.

Sold separately or 20 per box.

CONCEALED FASCIA BRACKET DOWNSPOUT END CAP ELBOW - 75° DOWNSPOUT ELBOW - 75° DOWNSPOUT

ACCESSORIES

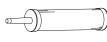
BUTYL TAPE



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



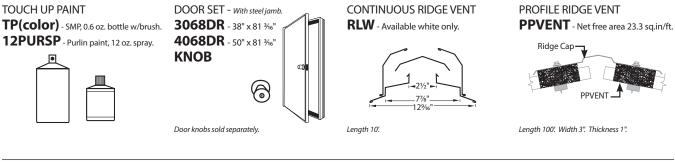
 PART #
 SIZE

 GEO(color)
 10.3 oz. tube

 MRS10(color)
 10.3 oz. tube

 MRS10CLEAR
 10.3 oz. tube

COLOR clear, gray, white call for colors clear

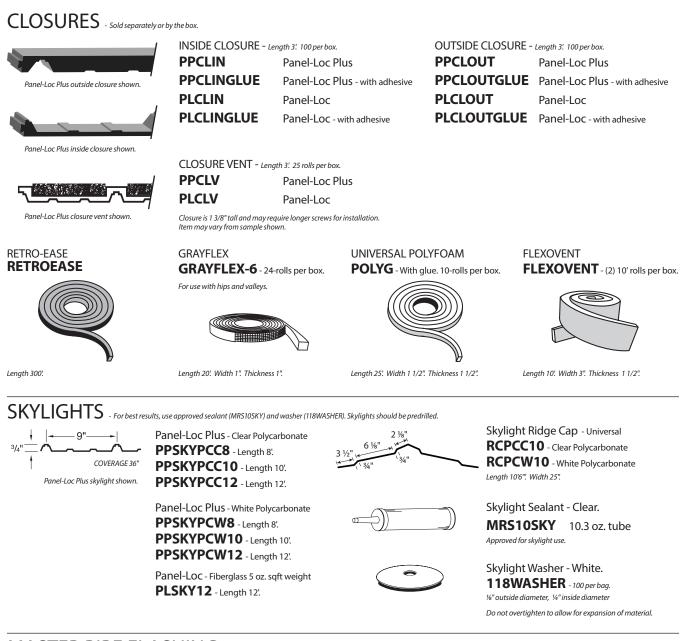


FASTENERS

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

ТҮРЕ	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	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



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" **105MPF** - Pipe size 12" to 28.5"

Square with zipper - Max temperature 250°.

MPF1ZIP - Pipe size .5" - 4" MPF2ZIP - Pipe size 4" - 9.25"

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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.

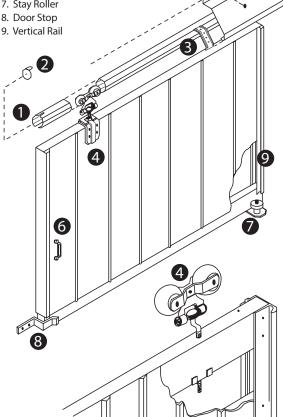
Door Pulls - One needed per door.

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.

- 1. Slotted Track
- 2. End Cap
- 3. Track Mount Bracket for Track & Cover
- 4. Trolley 5. Splice Clip
- 6. Door Pull
- 7. Stay Roller



EXAMPLE

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

• 14VRTRWH - 1

• 6BGRL - 2

• CGWHD - 1

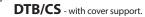
• CTC – 4

DRSTPVWC – 2

- 10STRK 4 • 14VRTRL - 3
- SPLCLP 3
- ENDCAP 2 • 10BRL – 2
- TRLYWRB 2
 - SMB/CS 21
- DRPUL 2
- LTCH 2
- CTRCHLK 1

SLIDING DOOR

SLOTTED TRACK STRK80 - Length 8'. STRK100 - Length 10'. STRK120 - Length 12'. STRK140 - Length 14'. STRK140 - Length 14'. STRK140 - Length 14'. STRK140 - Length 14'. TOP MOUNT BRACKET TMB TOP MOUNT BRACKET TMB TOP MOUNT BRACKET TMB





SIDE MOUNT BRACKET

TMB/CS- with cover support.

SMB SMB/CS - with cover support.

VERTICAL ALUMINUM RAILS

SMB/CS



SMB

VRTRL100 - 10' AV Male VRTRL120 - 12' AV Male VRTRL140 - 14' AV Male VRTRL160 - 16' AV Male



DTB/CS

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

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



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





Includes endcaps.

SLIDING DOOR ACCESSORIES

DOOR PULL DRPUL - Available in white only.

INSIDE DOOR STOP IDS



ADJUSTABLE DOOR STOP DRSTPWVC





JAMB LATCH (cam latch)



CENTER CHAIN LOCK







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