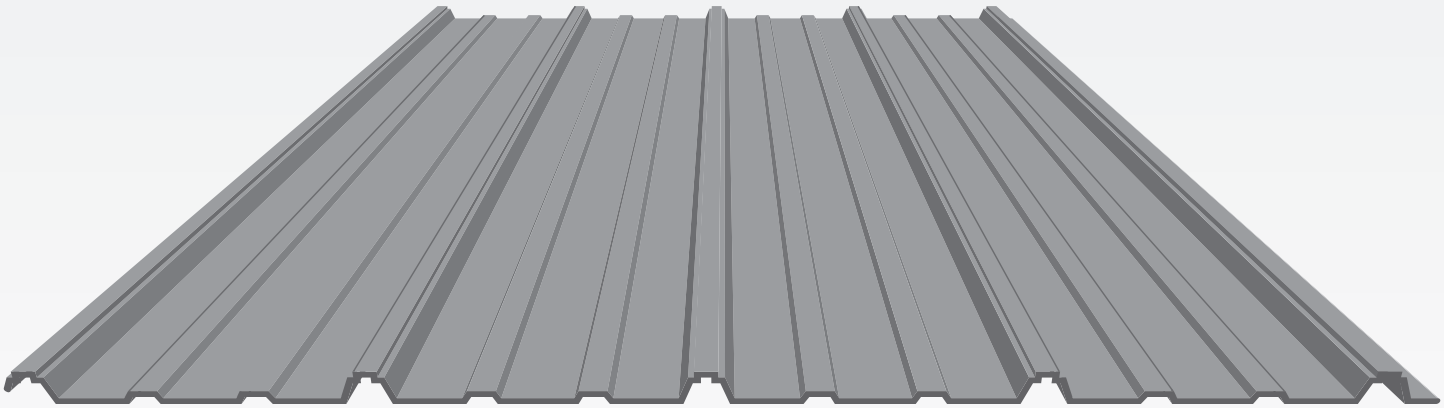
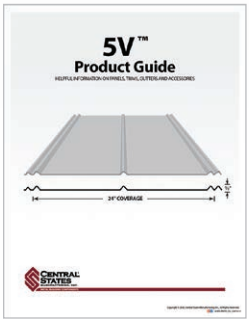
Panel-Loc Plus™
Product Guide

HELPFUL INFORMATION ON PANELS, TRIMS, GUTTERS AND ACCESSORIES





▲ *This guide includes details for 5V.*

CENTRAL® STATES MANUFACTURING, INC.
METAL BUILDING COMPONENTS

DC GUID_PROD_PLP-CL_210825.3

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.

centralstates**mfg**.com

INDEX

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

Panel-Loc Plus
- Panel Codes, Fastener Spacing, Section Properties 4-5

5V
- Panel Codes, Fastener Spacing 6

Care and Handling, Siphon Groove 7-8
Converting Pitch to Degree 9
Square Conversions 10
Gauge and Color Codes 11
Roof Trims 12-13
Wall Trims 13-14
Soffit/Fascia 15
Accessories 16-17
Sliding Doors 18-20

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 centralstatesmfg.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	TYPE	CODE
Panel-Loc Plus™	Ultra SMP	PP6(color)
Panel-Loc Plus™	Prime SMP/Fluropon®	PP9(color)
Panel-Loc Plus™	Prime SMP G90	PP9(color)G90
Panel-Loc Plus™	Standard	PP9(color)ST
Panel-Loc Plus™	Thrifty SMP*	PP6(color)TH

* Longer lead times may apply.

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)	Top in Compression (Positive Bending)			Bottom in Compression (Negative Bending)		
				Ixx	Sxx	Ma	Ixx	Sxx	Ma
				in^4/ft	in^3/ft	in.kips/ft	in^4/ft	in^3/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 & 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 (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%.

5V™

5V is available in 26 ga. and 29 ga bare Galvalume, or 29 ga. bare galvanized G90.

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.

Galvalume® features a 25-year AZ55 substrate warranty, but is not warranted for uniformity in appearance, whether it be color, sheen, or spangle. If the project requires a uniform appearance, please choose a painted product of a different profile.

The minimum roof slope for 5V is 3:12.

No load table available. Install 5V over solid decking with 30 lb. felt paper or equivalent.

PANEL CODES

PANEL PROFILE	TYPE	CODE
5V™	26 Ga. Galvalume®	5V6GL
5V™	29 Ga. Galvalume®	5V9GL
5V™	29 Ga. Galvanized G90	5V9ZNG90

Galvalume® is a registered trademark of BIEC International, Inc..

FASTENER SPACING

Follow the suggested fastener patterns below for interior or panel termination.

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

Fastener pattern at interior of panel

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.

DRILLING

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

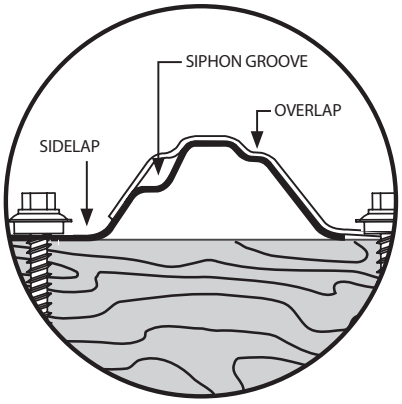
CAUTION

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 has 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.

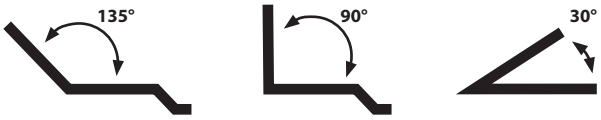


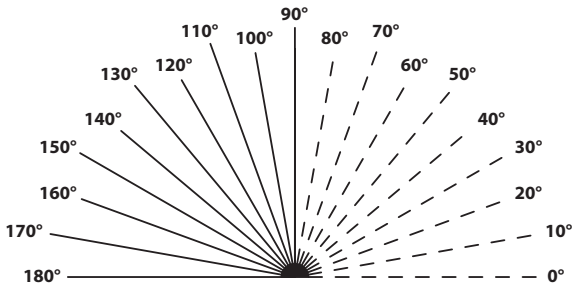
PREVAILING WINDS

OVERLAP SIDELAP

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

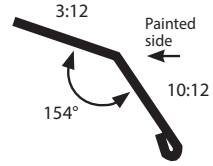
1:12 PITCH	2:12 PITCH	3:12 PITCH	4:12 PITCH	5:12 PITCH	6:12 PITCH	7:12 PITCH	8:12 PITCH	9:12 PITCH	10:12 PITCH	11:12 PITCH	12:12 PITCH
94°	99°	104°	108°	112°	116°	120°	123°	126°	129°	132°	135°
173°	167°	160°	154°	148°	143°	138°	134°	130°	126°	123°	120°
170°	161°	152°	143°	135°	127°	120°	113°	106°	100°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

TRANSITION TRIM

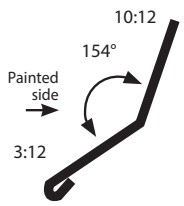
Find the box that intersects your lower and upper roof pitches.

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

Upper Transition Trim



Lower Transition Trim



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

UPPER ROOF PITCH (INCHES OF RISE OVER 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°
4:12 PITCH	166°	171°	176°		176°	172°	168°	165°	162°	159°	156°	153°	151°	149°	147°	145°	144°	142°
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°
9:12 PITCH	148°	153°	157°	162°	166°	170°	173°	177°		177°	174°	172°	170°	167°	166°	164°	162°	161°
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

$$\frac{38" \times 144" \times 12}{14{,}400}$$ equals 4.56 squares of metal

EXAMPLE USING FEET:

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

Number of panels = 12
Panel width = 38"
Panel length = 12'

$$\frac{12 \times 12}{31.579}$$ equals 4.56 squares of metal

*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

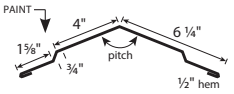
STEP 1:

In CentralLink™, start by entering the Item ID.

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

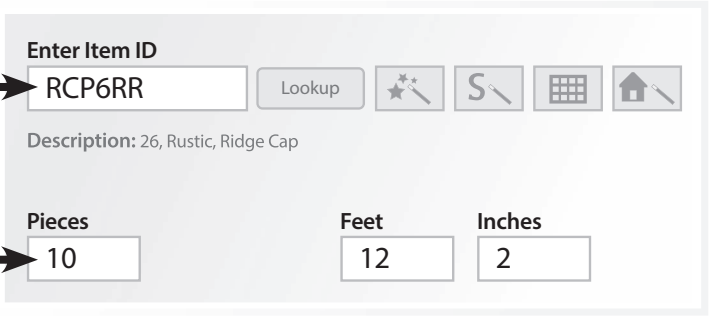
The TRIM CODE can be found with each drawing next to the trim's name. The GAUGE CODE and COLOR CODES are found below.

TRIM CODE → RIDGE CAP **RCP** - Girth 13.75"



EXAMPLE: *Ridge Cap, 26 gauge, Rustic*

RCP (TRIM CODE) 6 (GAUGE CODE) RR (COLOR CODE)



CentralLink order screen

STEP 2:

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

GAUGE CODES

GAUGE	CODE
26	6
29	9

COLOR CODES

SMP	PANEL GAUGE	TRIM 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	CM
Crimson	29/26	29/26	CR
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

TEXTURE SMP	PANEL GAUGE	TRIM GAUGE	CODE
Basil*	29	26	BA
Mineral*	29	26	MI
Onyx*	29	26	OX
Roma*	29	26	RM
Sienna*	29	26	SI
Sumatra*	29	26	SU

FLUROPON®	PANEL GAUGE	TRIM GAUGE	CODE
Antique Ivory	29	26	AI
Ash	29	26	AS
Autumn	29	26	AU
Beige	29	26	BE
Brandywine	29	26	BW
Brite	29	26	BT
Bronze	29	26	BZ
Clay	29	26	CL
Evergreen	29	26	EV
Hartford Green	29	26	HG
Matte Black	29	26	MB
Roman	29	26	RB
Sand	29	26	SA
Smoke	29	26	SM
Terratone	29	26	TE
Tudor	29	26	TU

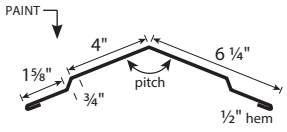
* Longer lead times may apply. ** Copper Metallic is Fluropon®.
Galvalume® is a registered trademark of BIEC International, Inc..

ROOF TRIMS

Unless otherwise noted, trims come in 29 or 26 gauge, and all angles are 90° or 45°. See page 11 for gauge and color codes.

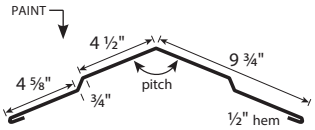
RIDGE CAP - Specify pitch.

RIDGE CAP
RCP - Girth 13.75"



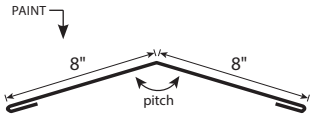
Recommended for 6:12 or less.

RIDGE CAP
RC2 - Girth 20.75"

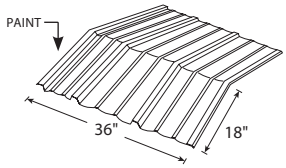


Recommended for all pitches.

RESIDENTIAL RIDGE CAP
RRCP - Girth 17"

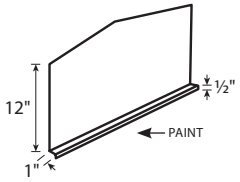


FORMED RIDGE CAP
PPFRCP - Length 3'

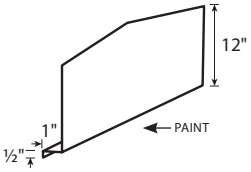


29 gauge only. Maximum pitch 4:12.
Longer lead times may apply.

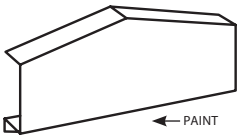
PEAK PLATE
PEAKP



PEAK PLATE REVERSED
PEAKPREV

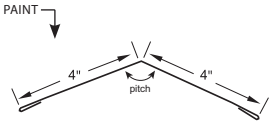


PEAK BOX
LRPBOXF - 13"



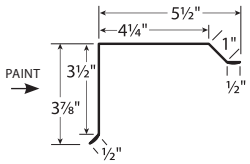
Standard 4:12.

HIP CAP
HIP - Girth 9"

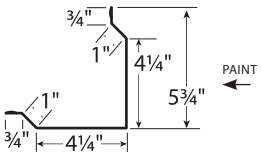


RAKE, GABLE, EAVE

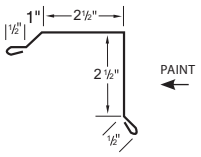
RESIDENTIAL RAKE
RRT - Girth 10.75"



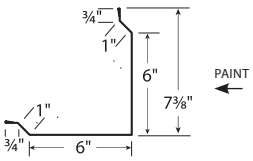
RAKE & CORNER
COR - Girth 13"



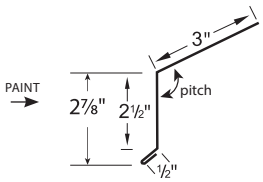
MINI RESIDENTIAL RAKE
RRTM - Girth 8"



GABLE
GT6 - Girth 16.5"

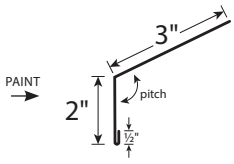


RESIDENTIAL EAVE
RET - Girth 6.5"



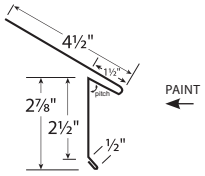
Specify pitch.

GUTTER APRON
GA - Girth 5.5"



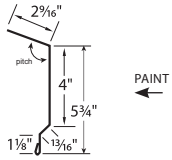
Specify pitch.

RESIDENTIAL DRIP EDGE
RDC - Girth 9.5"



90° pitch if not specified.

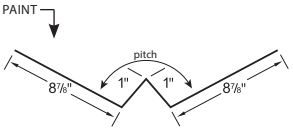
FASCIA
FT - Girth 9"



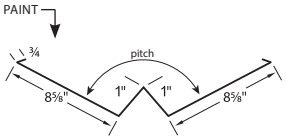
Specify pitch.

VALLEY

VALLEY
VT1 - Girth 19.75"



VALLEY
VT2 - Girth 20.75"



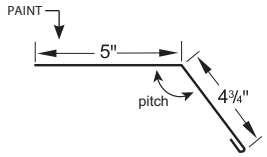
61º open hem

ROOF TRIMS

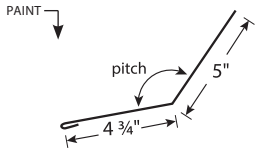
Unless otherwise noted, trims come in 29 or 26 gauge, and all angles are 90° or 45°. See page 11 for gauge and color codes.

TRANSITION TRIMS - Specify pitch.

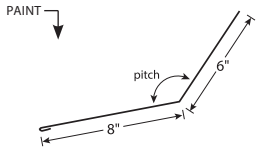
GAMBREL TRIM UPPER
GTU - Girth 10.25"



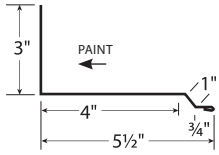
GAMBREL TRIM LOWER
GTL - Girth 10.25"



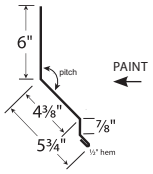
GAMBREL TRIM LOWER
GTL2 - Girth 14.5"



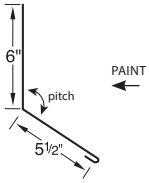
UNIVERSAL SIDEWALL
SF1 - Girth 9.25"



UNIVERSAL ENDWALL
EF - Girth 12.5"



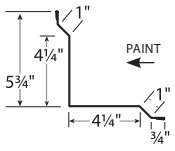
ENDWALL FLASHING
EFF - Girth 12"



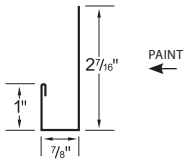
WALL TRIMS

Unless otherwise noted, trims come in 29 or 26 gauge, and all angles are 90° or 45°. See page 11 for gauge and color codes.

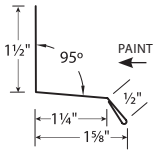
INSIDE CORNER
IC1 - Girth 13"



J-TRIM
JT - Girth 4.8125"



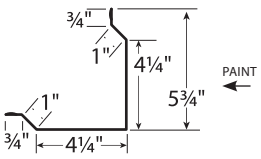
WINDOW DRIP CAP
WC - Girth 3.75"



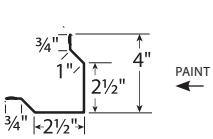
FLAT SHEET
FS9 - 29 gauge. Girth 43"
FS6 - 26 gauge. Girth 41.5625"

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

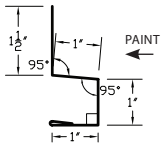
RAKE & CORNER
COR - Girth 13"



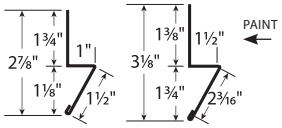
MINI CORNER
MCRN - Girth 9.5"



SQUARE BASE
SBA - Girth 5"



RAT GUARD
RG - Girth 4.75"
RG1 - Girth 5.625"



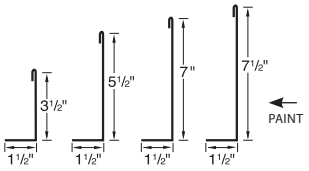
WALL TRIMS

Unless otherwise noted, trims come in 29 or 26 gauge, and all angles are 90° or 45°. See page 11 for gauge and color codes.

ANGLE

POST TRIM

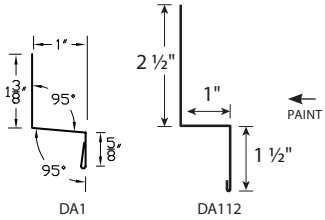
SA312 - Girth 5.5"
SA512 - Girth 7.5"
SA7 - Girth 9"
SA712 - Girth 9.5"



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

DOUBLE ANGLE

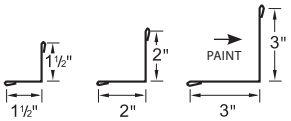
DA1 - Girth 3.5"
DA112 - Girth 5.5"



Use with wainscot.

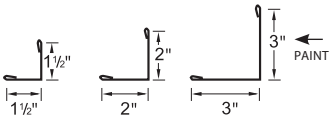
INSIDE ANGLE

IA112 - Girth 4"
IA2X2 - Girth 5"
IA3X3 - Girth 7"



SINGLE ANGLE

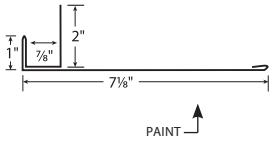
SA112 - Girth 4"
SA2X2 - Girth 5"
SA3X3 - Girth 7"



FRAMED OPENING TRIMS

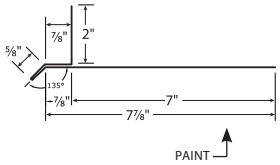
OVERHEAD DOOR JAMB 7 ⅛

OHDJ7 - Girth 12.5"



OVERHEAD DOOR JAMB 7 ⅞

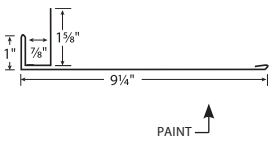
OHDJWD7 - Girth 12"



With drip edge.

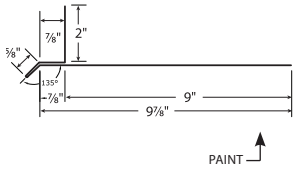
OVERHEAD DOOR JAMB 9 ¼

OHDJ9 - Girth 14.25"



OVERHEAD DOOR JAMB 9 ⅞

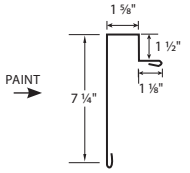
OHDJWD9 - Girth 14"



With drip edge.

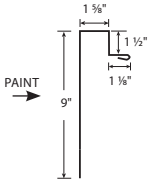
DOOR POST TRIM

DJ8 - Girth 12.5"



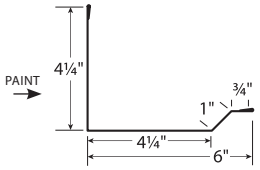
DOOR POST TRIM

DJ9 - Girth 13.5"



DOOR EDGE

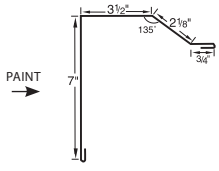
DJ10 - Girth 11.25"



SLIDING DOOR TRIMS

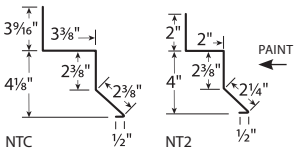
TRACK DOOR JAMB

TDJT - Girth 14.375"



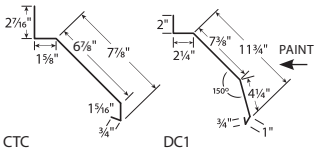
SQUARE TRACK COVER NATL

NTC - Girth 12.1875"
NT2 - Girth 9.125"



ROUND TRACK COVER

CTC - Girth 13"
DC1 - Girth 17.625"

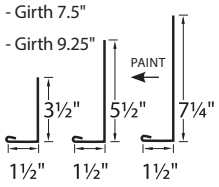


SOFFIT/FASCIA

Unless otherwise noted, trims come in 29 or 26 gauge, and all angles are 90° or 45°. See page 11 for gauge and color codes.

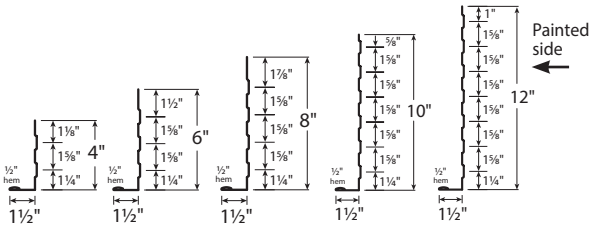
RESIDENTIAL FASCIA TRIM

RFT312 - Girth 5.5"
RFT512 - Girth 7.5"
RFT712 - Girth 9.25"



BEADED FASCIA TRIM

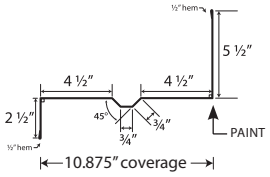
BFTW4 - Girth 6"
BFTW6 - Girth 8"
BFTW8 - Girth 10"
BFTW10 - Girth 12"
BFTW12 - Girth 14"



29 ga. only.

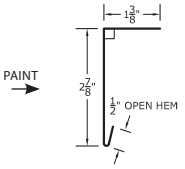
GABLE BASE SOFFIT

GB1 - Girth 20.25"



SOFFIT F ADAPTOR

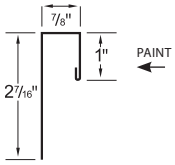
SFA - Girth 4.75"



Random color. Use to make F&J Assembly.

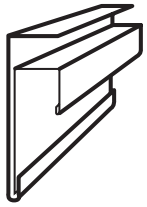
J-TRIM

JT - Girth 4.8125"



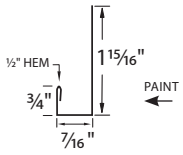
Use to make F&J Assembly.

F&J ASSEMBLY - (SFA & JT)



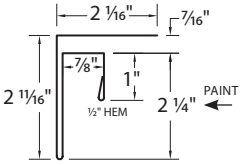
SOFFIT J-TRIM

SJT - Girth 3.625"



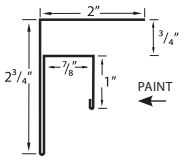
SOFFIT F&J

SFJ - Girth 9.375"



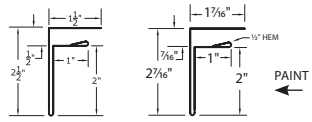
PANEL-LOC PLUS F&J

PFJ - Girth 9.125"



F CHANNEL

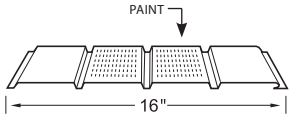
FC12 - Girth 7.5"
FC38 - Girth 7.375"



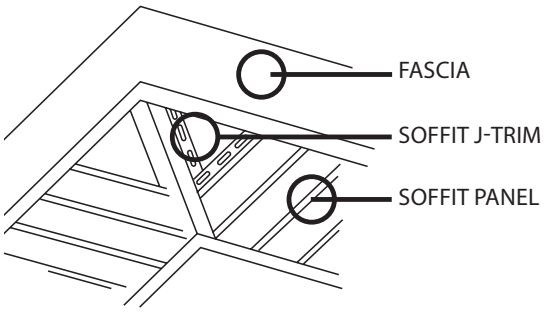
FC12 FC38

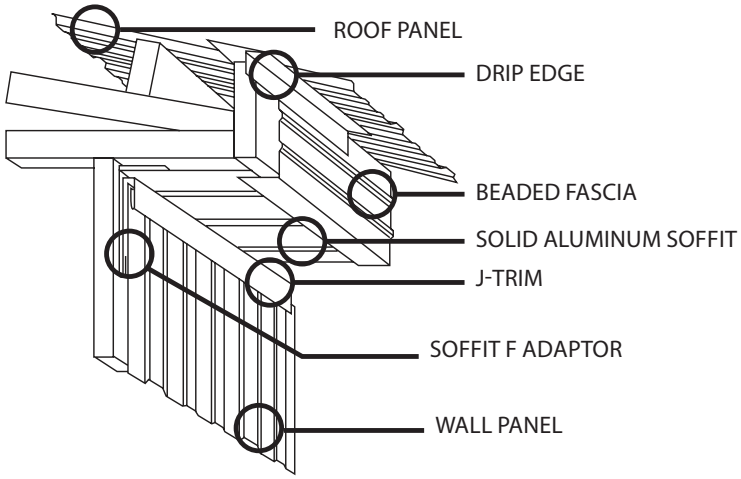
ALUMINUM SOFFIT

VS(color) - Vented
SS(color) - Solid



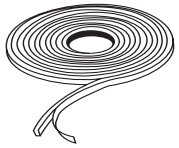
29 gauge only. Length 12'.





ACCESSORIES

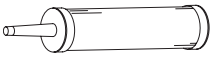
BUTYL TAPE



PART #	LENGTH	WIDTH	THICKNESS	ROLLS PER BOX
BT3/8	45'	3/8"	3/32"	40
Recommended for Panel-Loc Plus.				
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.

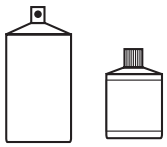
SEALANT



PART #	SIZE	COLOR
MRS10(color)	10.3 oz. tube	call for colors
MRS10CLEAR	10.3 oz. tube	clear

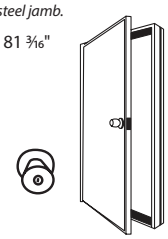
TOUCH UP PAINT

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



DOOR SET - *With steel jamb.*

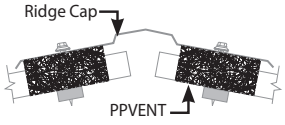
3068DR - 38" x 81 3⁄16"
KNOB



Door knobs sold separately.

PROFILE RIDGE VENT

PPVENT - Net free area 23.3sq.in/ft



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

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	**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	**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

CLOSURES - *Sold separately or by the box.*

Panel-Loc Plus outside closure shown.

INSIDE CLOSURE - *Length - 3'. 100 per box.*

PPCLIN Panel-Loc Plus
PPCLINGLUE Panel-Loc Plus - with adhesive
5VCLIN 5V - *Length - 2'*

OUTSIDE CLOSURE - *Length - 3'. 100 per box.*

PPCLOUT Panel-Loc Plus
PPCLOUTGLUE Panel-Loc Plus - with adhesive
5VCLOUT 5V - *Length - 2'*

Panel-Loc Plus inside closure shown.

Panel-Loc Plus closure vent shown.

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

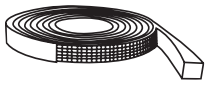
PPCLV Panel-Loc Plus

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

RETRO-EASE
RETROEASE

Length 300'.

GRAYFLEX
GRAYFLEX-6 - 24-rolls per box.
For use with hips and valleys.

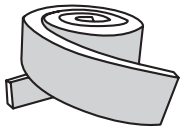


Length 20'. Width 1". Thickness 1".

UNIVERSAL POLYFOAM
POLYG - With glue. 10-rolls per box.

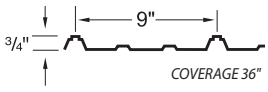
Length 25'. Width 1 1/2". Thickness 1 1/2".

FLEXOVENT
FLEXOVENT - (2) 10' rolls per box.



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

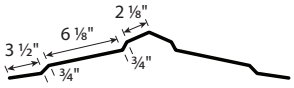
SKYLIGHTS - *For best results, use approved sealant (MRS10SKY) and washer (118WASHER). Skylights should be predrilled.*



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'.



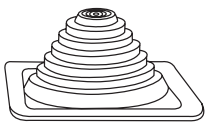
Skylight Ridge Cap - Universal
RCPCC10 - Clear Polycarbonate
RCPCW10 - White Polycarbonate
Length 10'6". Width 25". Longer lead times may apply.

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°.

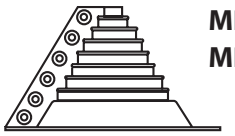


MPF - Pipe size .25" to 5"
MPF2 - Pipe size .25" to 3"
MPF4 - Pipe size 3" to 7"
MPF6 - Pipe size 4.75" to 10"
MPF7 - Pipe size 6" to 12"
MPF8 - Pipe size 6.75" to 14"
MPF9 - Pipe size 9.5" to 20.5"

Silicone - Gray. High temp max 500°.

4GSMPF - Pipe size 3" to 6.25"
6GSMPF - Pipe size 5" to 9"
8GSMPF - Pipe size 7" to 13"

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.

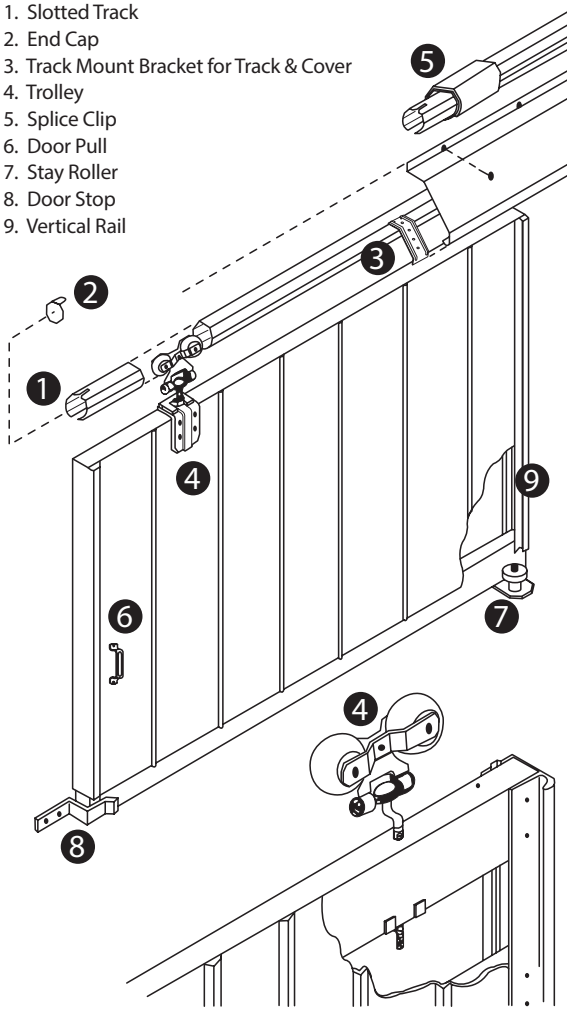
Door Pulls – One needed per door.

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.

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

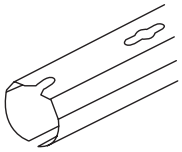


EXAMPLE

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

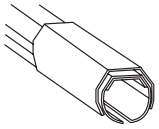
- 10STRK – 4
- SPLCLP – 3
- ENDCAP – 2
- TRLYWRB – 2
- SMB/CS – 21
- DRPUL – 2
- LTCH – 2
- CTRCHLK – 1
- 14VRTRL – 3
- 14VRTRWH – 1
- 10BRL – 2
- 6BGRL – 2
- CGWHD - 1
- DRSTPVWC – 2
- CTC – 4

SLOTTED TRACK

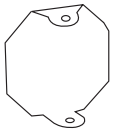


STRK80 - Length 8'.
STRK100 - Length 10'.
STRK120 - Length 12'.
STRK140 - Length 14'.

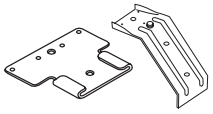
SPLICE CLIP
SPLCLP



TRACK END CAPS
ENDCAPS - *Sold in pairs.*

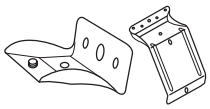


TRACK MOUNTING BRACKETS



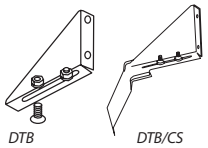
TMB *TMB/CS*

TOP MOUNT BRACKET
TMB
TMB/CS- with cover support.



SMB *SMB/CS*

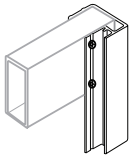
SIDE MOUNT BRACKET
SMB
SMB/CS - with cover support.



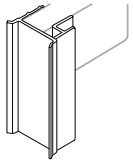
DTB *DTB/CS*

DOUBLE SIDE MOUNT BRACKET
DTB
DTB/CS - with cover support.

VERTICAL ALUMINUM RAILS



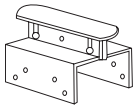
VRTRL100 - 10' AV Male
VRTRL120 - 12' AV Male
VRTRL140 - 14' AV Male
VRTRL160 - 16' AV Male



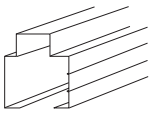
VRTWH100 - 10' HV Female
VRTWH120 - 12' HV Female
VRTWH140 - 14' HV Female
VRTWH160 - 16' HV Female

DOOR GUIDE SYSTEM

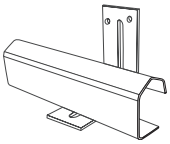
These three components are designed to go together as a guide system. Be sure to also order a Heavy Duty Stay Roller.



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'



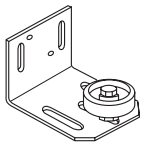
BOTTOM RAIL GUIDE
BGRL60 - Length 6'
BGRL80 - Length 8'
BGRL100 - Length 10'

SLIDING DOOR

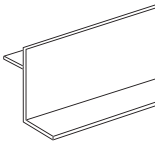
HEAVY DUTY STAY ROLLER

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

STYRLLR



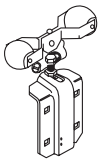
ABRL12 - Length 12'.



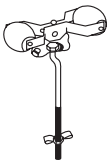
Aluminum bottom rail for stay roller.

TROLLYS - 2 per bag

PLATE TROLLY
DSRLLRWRB - With roller bearing



9.5" BOLT TROLLY
TRLYWRB - With roller bearing

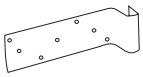


Includes endcaps.

SLIDING DOOR ACCESSORIES

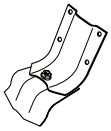
DOOR PULL
DRPUL - Available in white only.

INSIDE DOOR STOP
IDS

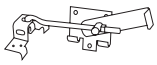


HEAVY DUTY DOOR STOP
DRSTP

ADJUSTABLE DOOR STOP
DRSTPWVC

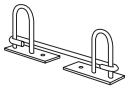


JAMB LATCH (cam latch)
LTCH

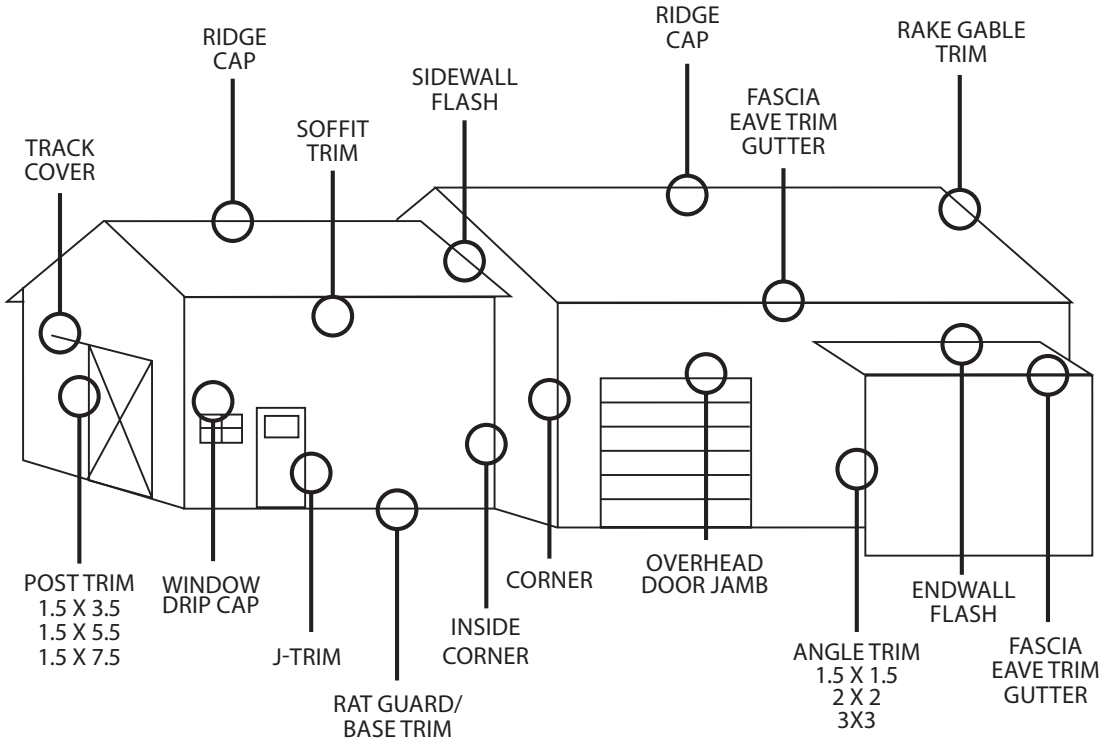


CENTER CHAIN LOCK
CTRCHLK

CENTER BAR LOCK
CTRBAR



NOTES


RIDGE CAP
SIDEWALL FLASH
SOFFIT TRIM
TRACK COVER
RIDGE CAP
FASCIA EAVE TRIM GUTTER
RAKE GABLE TRIM
POST TRIM 1.5 X 3.5 1.5 X 5.5 1.5 X 7.5
WINDOW DRIP CAP
J-TRIM
RAT GUARD/ BASE TRIM
INSIDE CORNER
CORNER
OVERHEAD DOOR JAMB
ANGLE TRIM 1.5 X 1.5 2 X 2 3X3
ENDWALL FLASH
FASCIA EAVE TRIM GUTTER

NOTES

CENTRAL® STATES
MANUFACTURING, INC.
METAL BUILDING COMPONENTS

Right.
On Time.
Every Time.®

centralstatesmfg.com

Copyright © 2022, Central States Manufacturing, Inc., All Rights Reserved.