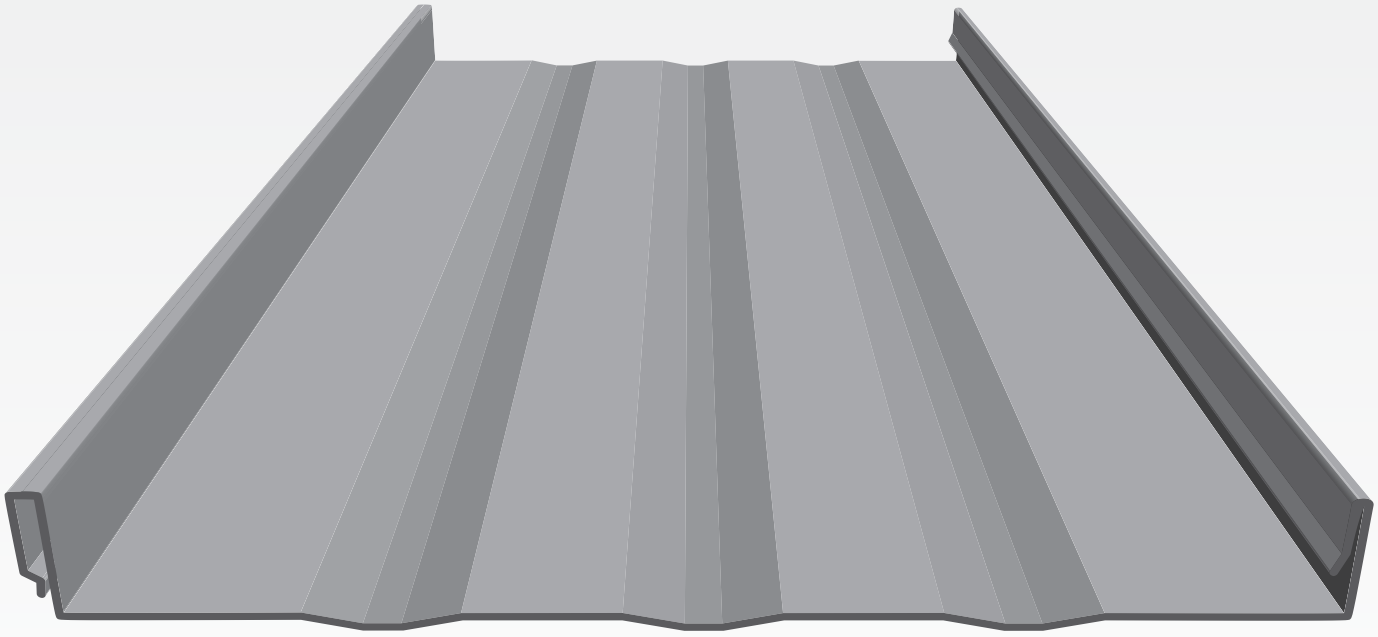
Central Shield™ 150
Product Guide

HELPFUL INFORMATION ON PANELS, TRIMS, GUTTERS AND ACCESSORIES





CENTRAL® STATES MANUFACTURING, INC.
METAL BUILDING COMPONENTS

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CENTRAL SHIELD™ 150

Central Shield™ 150 is a performance rated non-structural, architectural standing seam roof system. It has an easy to install 1-1/2" high snap-lock joint making it ideal for architectural and light commercial applications. Central Shield 150 is available in net coverage width of 16" and offers an architecturally pleasing look over wood decking.

- 2:12 pitch or greater.
- Snap-together panel, no field seaming required.
- Available in 16" coverage.
- Minimum length: 3', maximum length: 50'.
- Factory applied sealant insures a secure lap.
- Designed for install over solid substrates.

PANEL CODES

PANEL PROFILE	TYPE	CODE
Central Shield™ 150 16"	24ga. Striated	SC164(color)
Central Shield™ 150 16"	24ga. No Striations*	SC164(color)NS
Central Shield™ 150 16"	26ga. Striated	SC166(color)
Central Shield™ 150 16"	26ga. No Striations*	SC166(color)NS

*NOTE: Striation waver must be signed before producing any order without striations. Panels with no striations may exhibit oil canning in the flat area of the panels. This is common to the industry and does not affect the integrity of the panel and is not a reason for rejection.

FASTENER SPACING

Follow the chart below using maximum fastener spacing for 16" wide 26 and 24 gauge panels with wind loads over 90 mph. This panel surpasses Class 90 rating for 24" fastener spacing.

DECK THICKNESS	SPACING
15/32"	24" o.c.

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

RECEIVING AND HANDLING

MATERIAL INVENTORY

Your material is carefully inspected and crated before leaving the plant and accepted by the transportation company as being complete and in satisfactory condition. It is the carrier's responsibility to deliver the shipment intact. It is the consignee's responsibility to inspect the shipment for damages and shortages when it is delivered.

Conducting a material inventory at the time of delivery is essential. By conducting the materials inventory, the erector is able to identify any material shortage or damage and avoid stopping installation later because of such shortage or damage.

It is imperative that any shortages or damage of the delivered materials be noted at once and clearly marked on the bill of lading before signature of acceptance. Notify Central States immediately of any conflicts. Central States will not be responsible for shortages or damages unless they are noted on the bill of lading.

In the case of packaged components (such as clips, fasteners and sealants, etc.), the quantities are marked on their container and should be checked against the bill of materials. Central States must be notified of any shortages or concealed damage within 15 days of delivery.

EQUIPMENT FOR UNLOADING AND LIFTING

Hoisting equipment is necessary to unload and position the panels and accessory crates for site storage and installation. The equipment must have sufficient capacity and reach to place the material where it is required for efficient installation.

Slings will be required to minimize panel damage. The recommended slings are nylon straps of 6" minimum width and of sufficient length to accommodate the panel bundle girth.

A spreader bar will be required for the longer panel crates to assure correct sling spacing and uniform lifting. The spreader bar must be large enough to handle the maximum panel bundle weight and length.

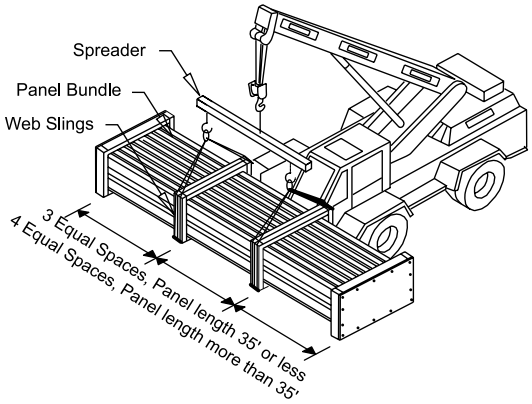
A forklift is handy for unloading and placing shorter panel and accessory crates.

LIFTING ROOF PANEL BUNDLES

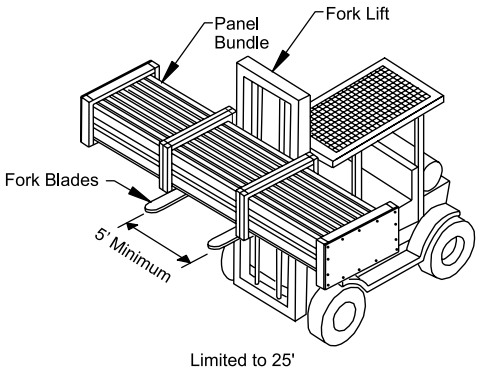
Under normal conditions, panel crates less than 35' long can be lifted with two slings spaced at third points. Panel crates longer than 35' can be lifted with three slings located at quarter points using a spreader bar to achieve correct sling spacing for uniform lift.

Slings should be located under the cross boards. Loads should always be checked for secure hook-up, proper balance, and lift clearance. Tag lines should be used if necessary to control the load during lifting, especially if operating in the wind.

Panel crates less than 25' long may be lifted with a forklift only if the forks are spread at least 5' apart and blocking is used to



Panels over 25'



Limited to 25'

*For illustration only. Actual packaging may differ from drawing.

RECEIVING & HANDLING

FIELD STORAGE

Upon acceptance of the shipment, the customer or his representative is responsible for proper handling storage and security of the roof materials. Central-States is not liable for damage or loss of materials at the job site.

The roof panel bundles should be stored on the job site in accordance with the following recommendations:

A. Store panels in a protected area, out of standing water and drifting snow, etc.

B. Elevate panels with blocking to allow air circulation under the bundle.

C. Slope panels for drainage of moisture from the panels.

D. As necessary, cover panels with waterproof tarp, allowing for air circulation (do not wrap tarp under panel crate or restrict air movement).

E. Inspect panels daily for moisture accumulation.

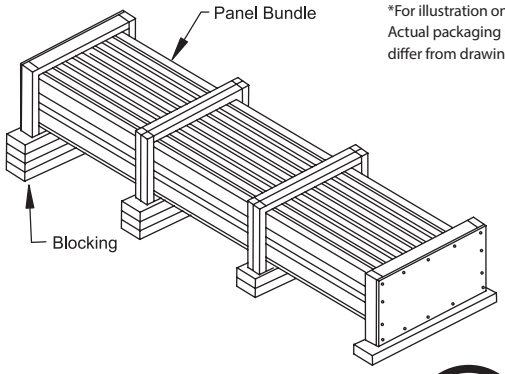
F. If panel bundles contain moisture, the panels should be dried and re-stacked. Use care in re-stacking to avoid damage to panels.

G. Opened or re-stacked panel bundles should be secured to prevent wind damage.

When moving panel bundles, extreme caution should be taken to prevent damage to the panel edges. Uncrated panels should be supported at each end and at 10' spaces.

All bundles or loose panels on the roof should be banded to the roof structurals at the end of each workday. On steep roofs, provisions should be taken to prevent panels and panel crates from sliding off the roof. Be sure to set panel bundles on the roof in the proper direction for the installation sequence.

Trim and accessories should be stored in a secure area and protected from damage, weather, and theft. Fasteners, sealants, closures, etc., should be stored out of the weather and protected from contamination.



*For illustration only. Actual packaging may differ from drawing.

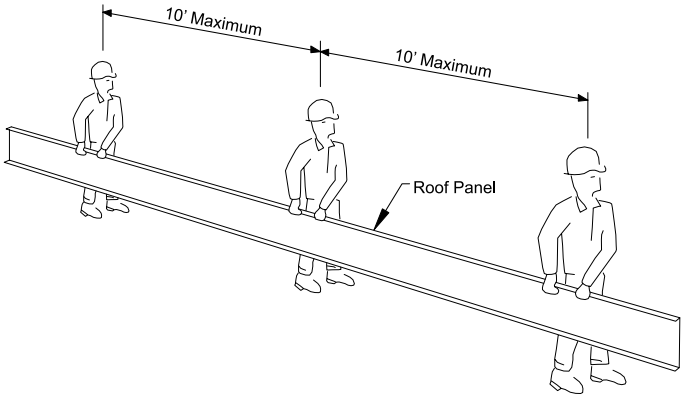
Stack blocking so bundle is sloped for drainage. **TIP**

HANDLING INDIVIDUAL ROOF PANELS

To lift individual panels, lift one side of the panel by the seam letting it hang naturally to prevent buckling. Pick-up points should not be more than 10' apart.

Do not pick-up panels by the ends only, or in a flat position.

If the individual panels are to be lifted to the roof by hand line, the common method is to use the vice grip "C" clamps. Position the clamps on the flat of the panel as close as possible to one edge so the panel is lifted in a vertical position. The jaws of the vice grips must be padded to prevent damage to the panel surface. The clamps should be uniformly spaced, no more than 10' apart and the hand lines must be pulled in unison so that uneven lifting does not buckle the panel. Be sure the clamps are tight on the panel and the line is secure to prevent dropping the panel which can result in personal injury and property damage.

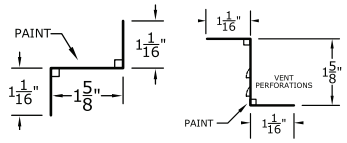


ROOF TRIMS

Unless otherwise noted, trims are 24 gauge and 26 gauge, and all angles are 90° or 45°.

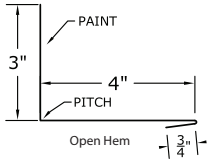
ZEE CLOSURE / VENTED ZEE

SCZC - Girth 3.75" SCVZC - Girth 3.75"



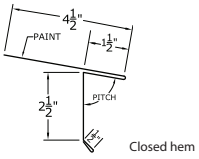
ENDWALL*

CFSI - Girth 7.75"



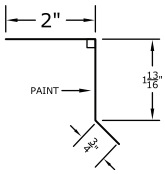
EAVE*

RDC - Girth 9.5"



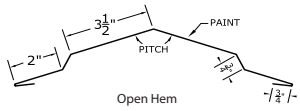
CLEAT

SCCL - Girth 4.5625"



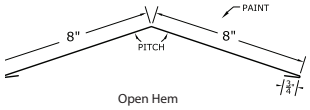
OPEN HEM RIDGE CAP*

CFRC - Girth 14"



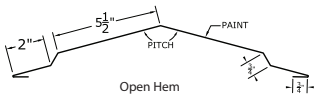
OPEN HEM FLAT RIDGE*

CFFRC - Girth 17.5"



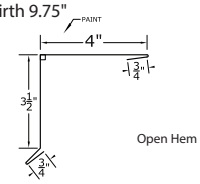
OPEN HEM WIDE RIDGE*

CFWRC - Girth 18"



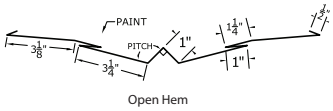
GABLE

SCRA - Girth 9.75"



VALLEY*

CFVT - Girth 20.25"



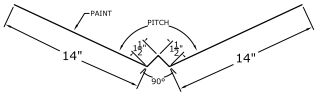
VALLEY*

SCVT1 - Girth 20.75"



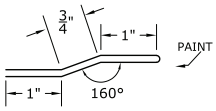
WIDE VALLEY*

SCWVT - Girth 31"



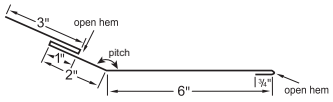
VALLEY CLEAT

SCVC - Girth 5.5"



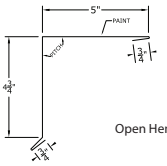
TRANSITION*

CFGA - Girth 12.75"



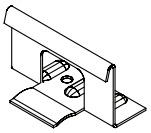
HIGH EAVE/GABLE*

SCGA5 - Girth 12"



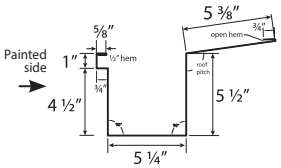
RAKE CLIP

SCCLP - Fixed Clip



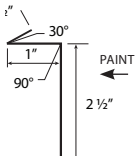
BOX GUTTER

SNGU



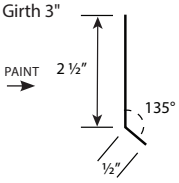
COUNTERFLASH*

SSCF - Girth 4.5"



CONTINUOUS CLEAT

SSCC - Girth 3"



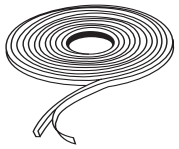
FASTENERS

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/METAL	114(color)ZACMM	1-¼"	#12	5/16" Hex	all	250
METAL/METAL LAP	78(color)ZACLAP	7/8"	#14	5/16" Hex	all	250
PANCAKE HEAD DRILLER	12FASTENER	1"	#10	2/2 QUADREX	Galvanized	250
METAL/WOOD CLIP	112SNWFAST	1-½"	#10	#2 SQUARE DRIVE	Galvanized	250
Pancake head fastener for panel clip & eave plate attachment to wood decking.						
POP RIVET	POP(color)	⅛"			all	100

ACCESSORIES

BUTYL TAPE



PART #	LENGTH	WIDTH	THICKNESS	ROLLS PER BOX
BTL	45'	3/4"	3/32"	24
BTR	40'	7/8"	3/16"	10
BT3/8	45'	3/8"	3/32"	40

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

SEALANT



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

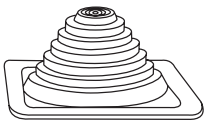
TOUCH UP PEN

PEN(color) - 0.6 oz. paint pen.



MASTER PIPE FLASHING - Install in a diamond shape and not parallel to the seam.

Square - Max temperature 250°.

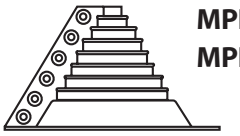


MPF - Pipe size .25" to 5.75"
MPF2 - Pipe size .875" to 4"
MPF4 - Pipe size 2.75" to 7"
MPF5 - Pipe size 4" to 7"
MPF6 - Pipe size 4.75" to 10"
MPF7 - Pipe size 5.5" to 11.5"
MPF8 - Pipe size 6.75" to 13.5"
MPF9 - Pipe size 9.5" to 20.5"

Square - High temp max 500°.

3SMPF - Pipe size .25" to 4"
4SMPF - Pipe size 2.75" to 7"
6SMPF - Pipe size 4.75" to 10"
8SMPF - Pipe size 6.75" to 13.5"
10SMPF - Pipe size 12" to 28.5"

Square with zipper - Max temperature 250°.

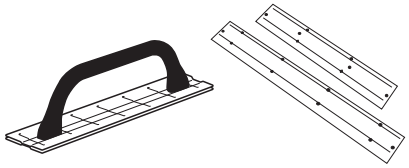


MPF1ZIP - Pipe size .5" - 4"
MPF2ZIP - Pipe size 4" - 9.25"

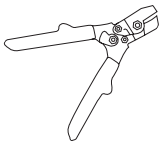
TOOLS

FOLDING TOOLS

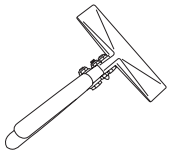
18 FOLD - 18"
24 FOLD - 24"
18 FOLDWHANDLE - 18" with handle.
24 FOLDWHANDLE - 24" with handle.



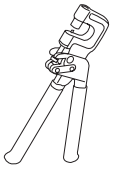
HAND NOTCHER
NOTCHER



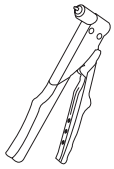
HAND SEAMER
SEAMER - 6"



RIVET HOLE PUNCH
PUNCH



RIVET GUN
RIVET GUN



ACCESSORIES COLOR LIST

PANEL COLOR	PANEL CODE	ACCESSORY COLOR	ACCESSORY CODE
HAWAIIAN	HB	BLUE SERIES	B
OCEAN	OB	BLUE SERIES	B
BLUE	BM	BLUE SERIES	B
DARK BROWN	BD	DARK BROWN	BD
BEIGE	BE	BEIGE	BE
BURGUNDY	BG	BURGUNDY	BG
BRILLIANT	BI	BRILLIANT WHITE SERIES	BI
BRITE	BT	BRILLIANT WHITE SERIES	BI
BLACK	BK	BLACK SERIES	BK
MATTE BLACK	MB	BLACK SERIES	BK
ONYX	OX	BLACK SERIES	BK
TRUE BLACK	TB	BLACK SERIES	BK
BROWN	BR	BROWN SERIES	BR
SIENNA	SI	BROWN SERIES	BR
TUDOR	TU	BROWN SERIES	BR
BRONZE	BZ	BURNISHED SERIES	BS
BURNISHED SLATE	BS	BURNISHED SERIES	BS
SUMATRA	SU	BURNISHED SERIES	BS
COLONY	CG	COLONY	CG
CHARCOAL	CH	CHARCOAL SERIES	CH
GRANITE CLAY	CH	CHARCOAL SERIES	CH
MINERAL	MI	CHARCOAL SERIES	CH
SMOKE	SM	CHARCOAL SERIES	CH
SMOKEY QUARTZ	SQ	CHARCOAL SERIES	CH
CPR METALLIC	CM	COPPER METALLIC	CP
CRIMSON	CR	CRIMSON SERIES	CR
CRIMSON RED	CR	CRIMSON SERIES	CR
DEEP RED	DR	DEEP RED	DR
COVERT GREEN	CV	COVERT GREEN	CV
DARK BRONZE	DB	DARK BRONZE	DB
FOREST	DG	DARK GREEN SERIES	DG
DESERT	DS	DESERT	DS

PANEL COLOR	PANEL CODE	ACCESSORY COLOR	ACCESSORY CODE
FERN	FN	FERN	FN
ASH	AS	GRAY SERIES	GA
GRANITE	GT	GRAY SERIES	GA
GRAY	GA	GRAY SERIES	GA
PEWTER	PG	GRAY SERIES	GA
GALLERY	GB	GALLERY	GB
BASIL	BA	GREEN SERIES	GR
EVERGREEN	EV	GREEN SERIES	GR
HUNTER	GR	GREEN SERIES	GR
HICKORY MOSS	HM	HICKORY MOSS	HM
IVORY	IV	IVORY	IV
LUNAR GRAY	LG	LUNAR GRAY	LG
LINEN	LN	LIGHT TAN SERIES	LS
LT. STONE	LS	LIGHT TAN SERIES	LS
SAND	SA	LIGHT TAN SERIES	LS
AUTUMN	AU	RED SERIES	RR
ROMA	RM	RED SERIES	RR
RUSTIC	RR	RED SERIES	RR
SLATE GRAY	SG	SLATE GRAY SERIES	SG
SIERRA	SR	SIERRA	SR
SUEDE	SE	TAUPE SERIES	TA
TAUPE	TA	TAUPE SERIES	TA
TERRATONE	TE	TERRATONE	TE
TAN	TN	TAN	TN
ALAMO	AW	WHITE SERIES	W
CREAM	CE	WHITE SERIES	W
POLAR	PW	WHITE SERIES	W
GALVALUME	GL	GALVANIZED	ZN
GALVANIZED	ZN	GALVANIZED	ZN
BARNWOOD	BN	GALVANIZED	ZN
DARK OAK	DO	GALVANIZED	ZN
HICKORY	HK	GALVANIZED	ZN



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.

Learn more at centralstatesco.com/warranties

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, energy ratings, warranties, photo gallery, roofing visualizer, and more.

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METAL BUILDING COMPONENTS

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On Time.
Every Time.®

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