

# MAC

## Metal Roofing & Siding

# PRODUCT CATALOG

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## PANEL PRICING & INFORMATION

### 36" COVERAGE PANELS

- ALL 36" COVERAGE PANELS BASED ON 38" SHEET WIDTHS
- COVERAGE WIDTH +/- 1/4" TOLERANCE
- LENGTH +/- 1/4" TOLERANCE
- PANELS CUT AND BILLED IN 1" INCREMENTS
- A CUT FEE WILL BE APPLIED TO ANY LENGTHS BELOW 3'0"

### 15.5" COVERAGE PANELS

- ALL 15 1/2" COVERAGE PANELS BASED ON 16" SHEET WIDTHS
- COVERAGE WIDTH & LENGTH +/- 1/4" TOLERANCE
- MINIMUM LENGTH - 3'0"      - MAXIMUM LENGTH - 40'0"
- PANELS CUT AND BILLED IN 1" INCREMENTS

### 9.25" COVERAGE PANELS

- ALL 9 1/4" COVERAGE PANELS BASED ON 10 3/4" SHEET WIDTHS
- COVERAGE WIDTH +/- 1/4" TOLERANCE
- LENGTH +/- 1/4" TOLERANCE
- PANELS CUT AND BILLED IN 1" INCREMENTS
- MINIMUM LENGTH - 2'0"      - MAXIMUM LENGTH - 16'0"

## PACKAGING

- |   |                       |
|---|-----------------------|
| - BANDING AND PAPER WRAP                  | NO CHARGE             |
| - COVERSHEET                              | \$1.00 FT.            |
| - TOP AND BOTTOM COVERSHEET               | \$2.00 FT.            |
| - CRATING FOR MAC-LOC                     | SUBJECT TO ORDER SIZE |
| - PAPER WRAP FOR MAC-LOC                  | NO CHARGE             |
| - STOCK TRIM METAL COVER SHEETS (25 QTY.) | NO CHARGE             |

## JOB-SITE DELIVERY

- |                     |  |
|---------------------|--|
| - JOB-SITE DELIVERY | ALL DELIVERY FEES WILL BE BASED ON THE LOADED MILEAGE OF THE DELIVERY.       |
| - PARCEL CHARGE     | (I.E. – UPS, FEDEX) IS BASED ON PARCEL CARRIER RATES PLUS A HANDLING CHARGE. |
- NOTE:** CUSTOMERS REQUESTING JOB-SITE DELIVERIES MUST HAVE A MECHANICAL LIFT TO OFF-LOAD MATERIALS. THE JOB-SITE LOCATION MUST BE ACCESSIBLE FOR TRACTOR TRAILER ACCESS AND WEIGHTS UP TO 80,000 POUNDS. MAC METAL SALES, INC. RESERVES THE RIGHT TO REFUSE DELIVERIES WHERE UNSAFE OR IMPASSIBLE CONDITIONS ARE PRESENT.



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# MATERIAL HANDLING

## RECEIVING MATERIAL

IT IS THE RESPONSIBILITY OF THE DISTRIBUTOR OR THE INSTALLER TO UNLOAD MATERIALS FROM THE DELIVERY TRUCK. THE DISTRIBUTOR OR INSTALLER IS RESPONSIBLE FOR PROVIDING SUITABLE EQUIPMENT FOR UNLOADING MATERIALS FROM DELIVERY TRUCK. THE DISTRIBUTOR OR INSTALLER IS ALSO RESPONSIBLE FOR CHECKING TO ENSURE **ALL MATERIALS** ARE UNLOADED BEFORE THE DELIVERY TRUCK LEAVES.

WE STRIVE FOR ERROR FREE DELIVERIES AND SERVICE ON EACH AND EVERY ORDER. WE ALSO UNDERSTAND THAT MISTAKES WILL HAPPEN. PLEASE CONTACT US IMMEDIATELY UPON RECEIPT OF MATERIALS IF THERE IS A MISTAKE, DAMAGE, OR PROBLEM OF ANY KIND. ALL CLAIMS OF DAMAGE, SHIPPING ERRORS, INCORRECT LENGTHS, OR ANY OTHER MISTAKES WITH YOUR ORDER **MUST** BE BROUGHT TO OUR ATTENTION WITHIN **THIRTY (30)** DAYS OF THE DATE ON THE ORIGINAL INVOICE.

## GENERAL HANDLING

CAREFUL CONSIDERATION SHOULD BE TAKEN WHEN HANDLING BUNDLES TO AVOID DAMAGE. SPECIAL CARE SHOULD BE TAKEN TO PREVENT BENDING OF THE PANELS AND ABRASIONS TO THE FINISH. WHENEVER POSSIBLE, THE BUNDLE SHOULD REMAIN IN ITS ORIGINAL PACKAGING UNTIL IT IS LOCATED IN ITS PLACE OF STORAGE. IF BUNDLES MUST BE OPENED, WE RECOMMEND REPACKAGING BEFORE RELOCATING.



### CAUTION

IMPROPER LOADING AND UNLOADING OF BUNDLES AND MATERIALS MAY RESULT IN BODILY INJURY AND/OR MATERIAL DAMAGE. MAC METAL SALES, INC IS NOT RESPONSIBLE FOR ANY BODILY INJURIES AND/OR MATERIAL DAMAGES RESULTING FROM IMPROPER LOADING AND UNLOADING.

## MECHANICAL HANDLING

### USING FORKS

THE FORKS OF A LIFT MAY BE USED FOR PANELS UP TO 20' LONG. THE FORKS SHOULD BE AT THEIR MAXIMUM SEPARATION. FOR YOUR CONVENIENCE & SAFETY, OUR BUNDLES COME PRE-MARKED AT THE CENTER. USE THE RED ARROW AS A GUIDE TO LIFT AND TRANSPORT THE BUNDLE. DO NOT TRANSPORT UN-BANDED BUNDLES.



### USING SLINGS

SLINGS SHOULD BE USED WHEN LIFTING PANELS 20'-0" OR GREATER. LOAD SHOULD BE LIFTED AT ITS CENTER OF GRAVITY. WE HAVE TAKEN THE GUESSWORK OUT OF LOCATING THE CENTER OF THE BUNDLE BY PRE-MARKING IT WITH A RED ARROW. NO MORE THAN 1/3 OF THE LENGTH OF A BUNDLE SHOULD BE UNSUPPORTED. USING TWO LIFTS IS A GOOD WAY TO KEEP THIS DISTANCE. DO NOT TRANSPORT UN-BANDED BUNDLES.

# MAC

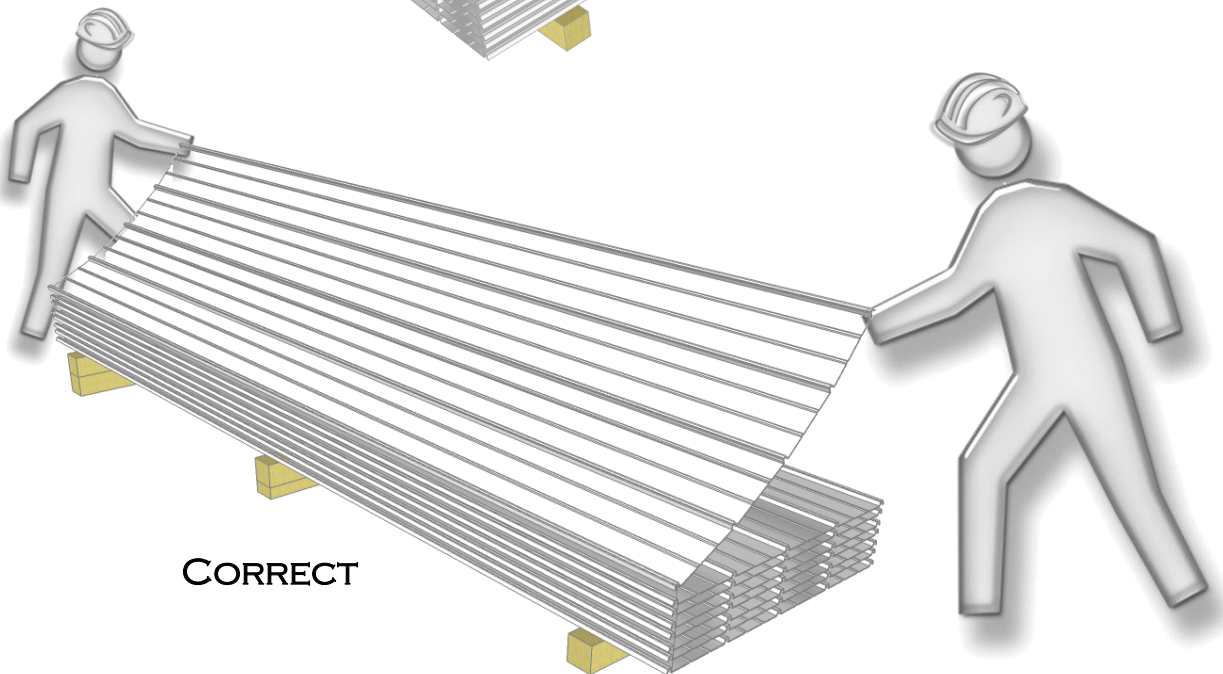
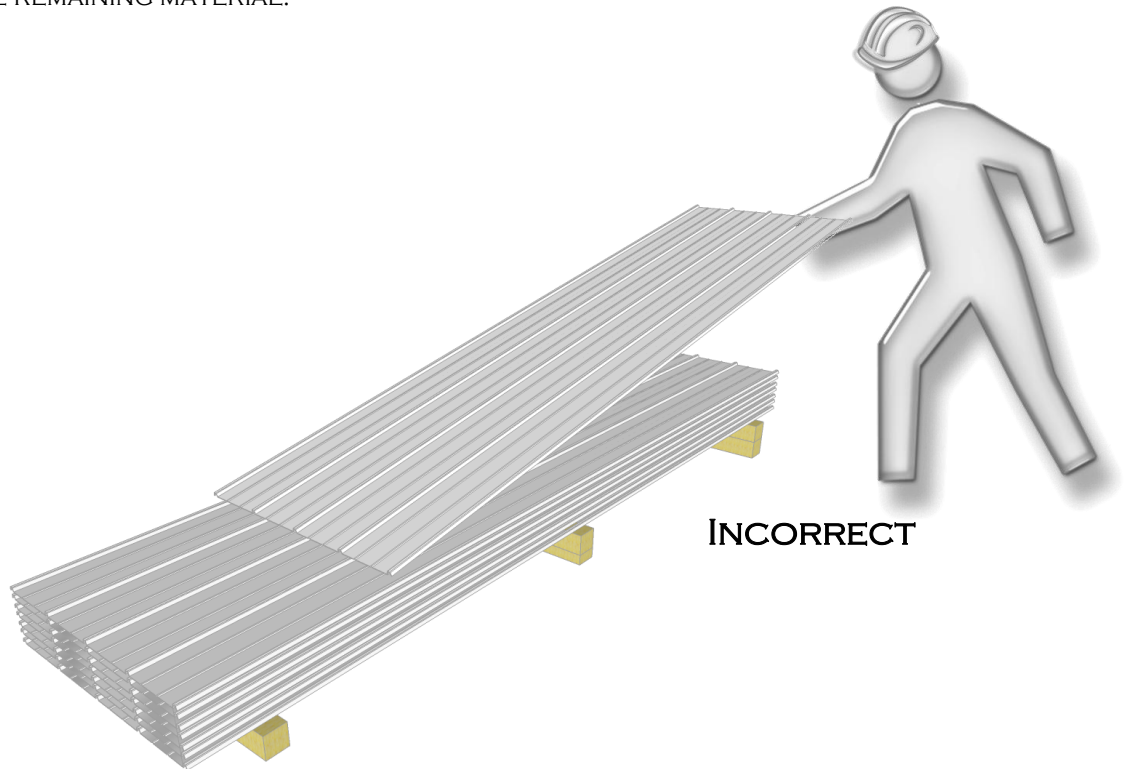
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# MATERIAL HANDLING

## MANUAL HANDLING

PANELS SHOULD BE LIFTED FROM THE BUNDLE BY AT LEAST TWO PEOPLE, ONE ON EACH END UP TO 10'-0" IN LENGTH. ADDITIONAL HELP SHOULD BE CONSIDERED EVERY 10'-0" FOR LONGER PANELS.

LIFT PANELS BY GRIPPING THE EDGE AND RAISING ONE SIDE UNTIL IT IS OFF THE BUNDLE AND SLOWLY PIVOT THE OTHER SIDE UNTIL IT IS ALSO AWAY FROM THE BUNDLE. THIS PREVENTS THE CORNERS OF THE PANEL FROM SCRATCHING THE REMAINING MATERIAL.



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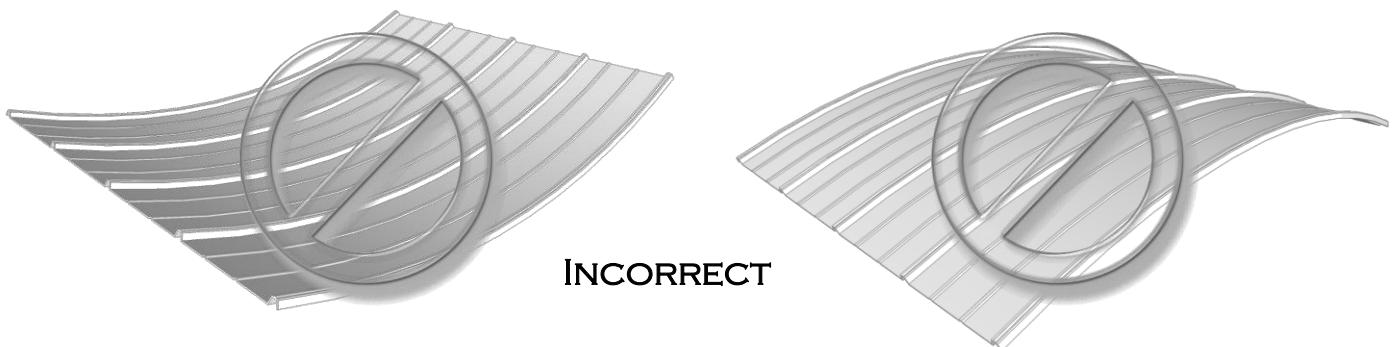
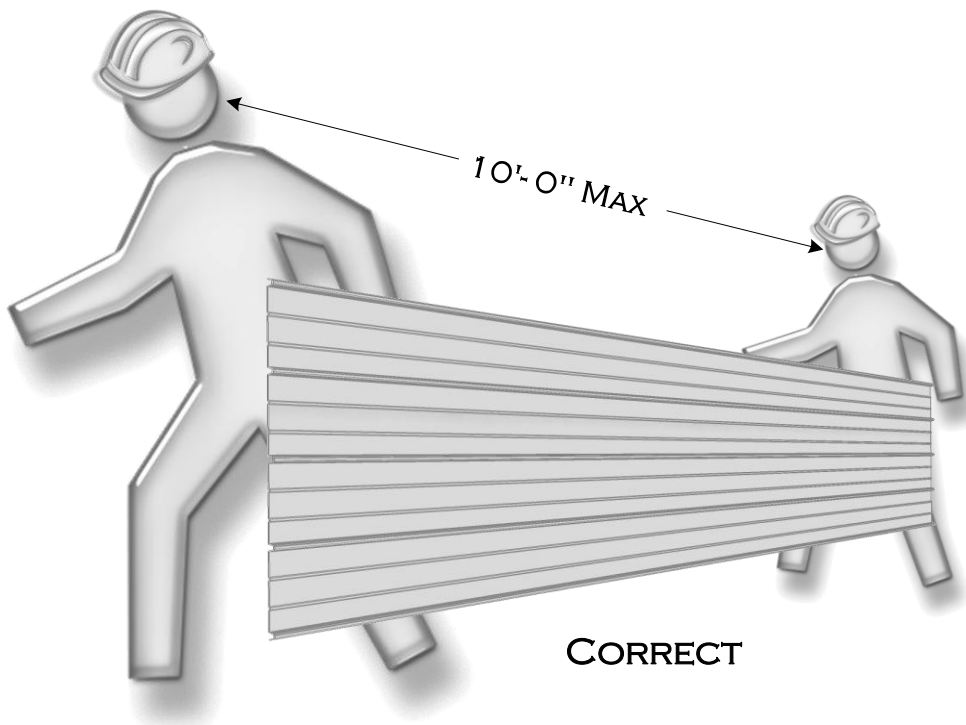
# MATERIAL HANDLING

## MANUAL HANDLING

SPECIAL CARE SHOULD BE TAKEN WHEN HANDLING PAINTED STEEL TO PREVENT SCRATCHING. CLEAN GLOVES ARE RECOMMENDED TO PREVENT REACTIONS WITH SALTS FOUND ON SKIN AND TO REDUCE INJURIES. INSTALLERS SHOULD WEAR RUBBER SOLED SHOES TO KEEP FROM SCUFFING MATERIAL WHILE WALKING ON A ROOF.

PANELS SHOULD BE CARRIED BY GRIPPING THE EDGE OF THE PANEL SO THAT IT IS VERTICAL TO THE GROUND. THE PANEL SHOULD NOT BE CARRIED HORIZONTAL TO THE GROUND AS THIS CAUSES THE PANEL TO BEND OR BUCKLE AT THE CENTER.

ORDINARY PANELS CAN BE HANDLED BY SOMEONE PLACED EVERY 8'-0" - 10'-0" ALONG THE LENGTH OF THE PANEL. LONGER LENGTHS MAY REQUIRE ADDITIONAL PERSONNEL.



# MAC

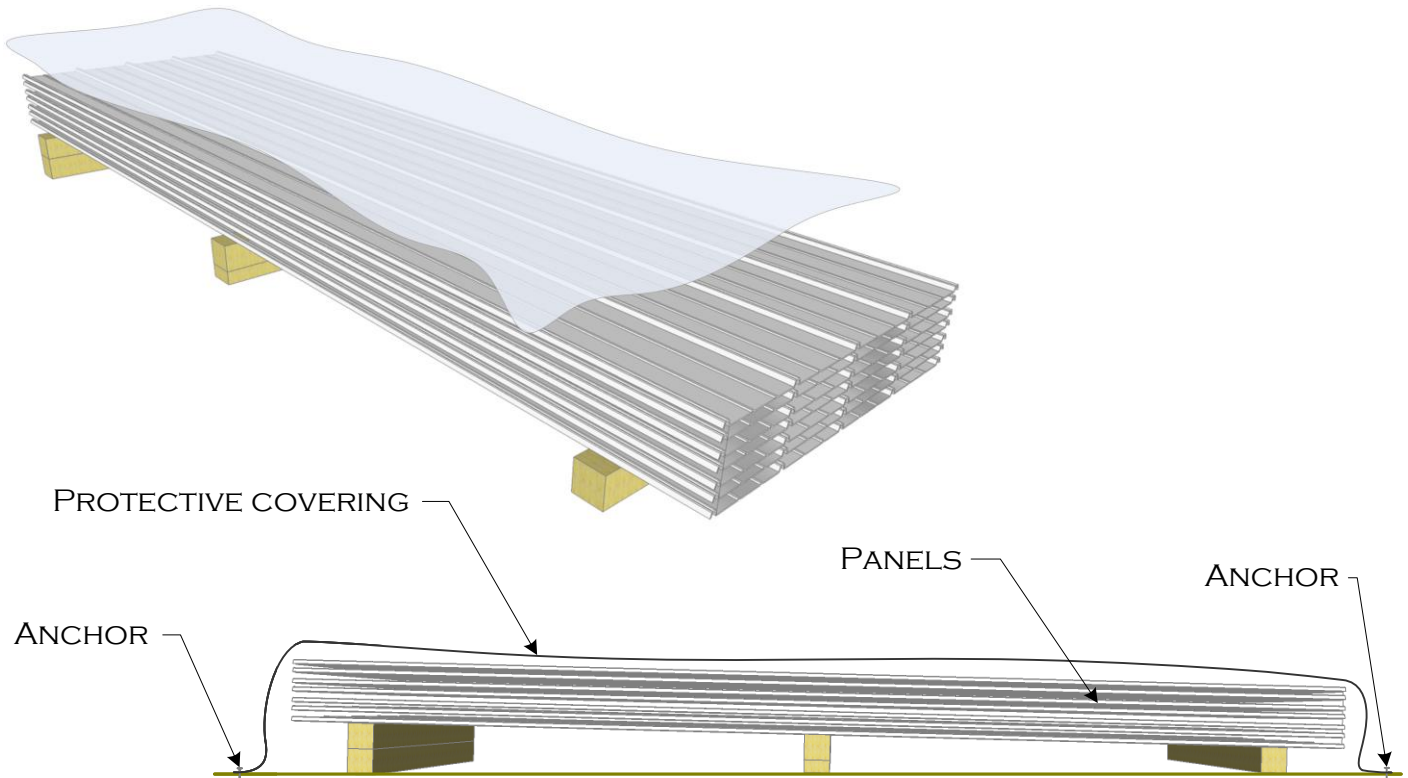
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# STORAGE

## GENERAL

BUNDLES SHOULD BE STORED ABOVE THE GROUND, HIGH ENOUGH TO ALLOW FOR AIR CIRCULATION AND WATER DRAINAGE. ONE END OF THE STACK SHOULD BE ELEVATED TO ALLOW MOISTURE TO RUN OFF THE PANELS. IT SHOULD ALSO BE COVERED LOOSELY WITH A PROTECTIVE TARP. DO NOT USE TIGHT FITTING PLASTIC WRAP AS THIS COULD TRAP MOISTURE AND PREVENT IT FROM EVAPORATING. PANELS SHOULD BE STORED INDOORS DURING INCLEMENT WEATHER. PROLONGED STORAGE OF PANELS IS NOT RECOMMENDED AS IT COULD CAUSE EXTENSIVE CORROSION IN A SMALL AMOUNT OF TIME.

**NOTE:** MAC METAL SALES, INC. DOES NOT WARRANT PANELS WITH DEGRADATION CAUSED BY: MOISTURE ENTRAPMENT IN BUNDLES DURING TRANSIT OR STORAGE; A CHEMICALLY AGGRESSIVE ENVIRONMENT CONTAINING FUMES, ASH, CEMENT DUST, CARBON BLACK, SALTS, OR OTHER CHEMICALS, WHETHER NATURALLY OCCURRING OR CAUSED BY MAN; ANY ENVIRONMENT DESCRIBED ABOVE OR STATED IN OUR WARRANTY.



**ELEVATE END OF BUNDLE**



**DO NOT LEAVE IN BAD WEATHER  
CONDITIONS**



**DO NOT LEAVE PANELS OR  
ACCESSORIES UNATTENDED**



**AVOID FOOT TRAFFIC ON  
PANELS AND TRIM**

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# CUTTING & TOUCH-UP

## FIELD CUTTING

METAL CUTTING SHEARS ARE RECOMMENDED FOR FIELD CUTTING PANELS AND TRIM. ELECTRIC OR MANUAL SHEARS CAN BE USED. CUTTING THE METAL GENERATES SHAVINGS WHICH SHOULD BE IMMEDIATELY REMOVED FROM THE PANEL. THESE PARTICLES WILL DAMAGE THE FINISH AND CAUSE SURFACE RUST.

THE BEST WAY TO REMOVE METAL FRAGMENTS IS BY USING AN AIR GUN TO BLOW THEM OFF OR BY FLIPPING THE PANEL OVER AND AGITATING IT BEFORE INSTALLATION.

PANELS CAN BE TURNED OVER WHEN CUTTING TO ALLOW THE SHAVINGS TO BE BRUSHED FROM THE BACK SIDE AND AVOID DAMAGE TO THE FINISHED SIDE.

GLOVES AND GOGGLES SHOULD ALWAYS BE WORN FOR PROTECTION WHILE CUTTING METAL PANELS AND TRIM.



### **CAUTION:**

ALL PRODUCT SURFACES SHOULD BE DEBRIS FREE AT ALL TIMES. INSTALLED SURFACES SHOULD BE CLEANED AT THE END OF EACH WORK INTERVAL. NEVER CUT PANELS OVER METAL SURFACES. METAL SHAVINGS WILL RUST ON THE SURFACE, VOIDING ANY WARRANTIES.

## TOUCH - UP PAINT

ALL PAINTED MATERIALS HAVE A FACTORY APPLIED BAKED - ON FINISH. SMALL SCRATCHES OR NICKS MAY OCCUR ON THE SURFACE DURING HANDLING AND INSTALLING. TOUCH - UP PAINT IS AVAILABLE IN MATCHING COLORS. A SMALL BRUSH SHOULD BE USED ON AREAS THAT NEED REPAIR.



AEROSOL PAINT SHOULD NOT BE USED FOR TOUCH - UP APPLICATIONS BECAUSE OF THE OVERSPRAY THAT MAY OCCUR. AEROSOL PAINT SHOULD ONLY BE APPLIED TO OTHER MATERIALS THAT NEED TO BE COLOR MATCHED (I.E. - ROOF JACKS, VENTS, ETC.) AFTER BEING CLEANED AND PREPARED ACCORDINGLY.



### **CAUTION:**

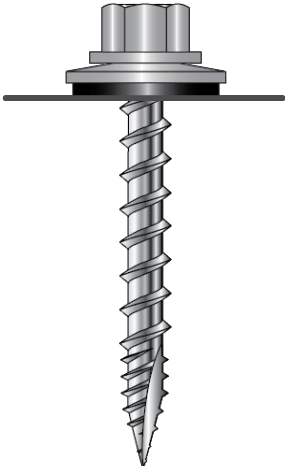
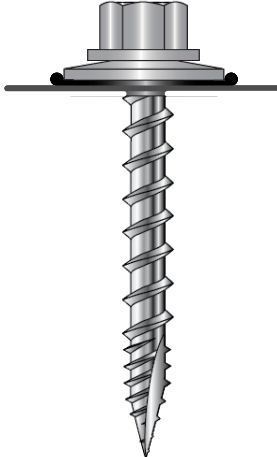
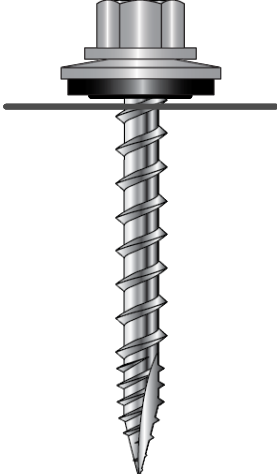
TOUCH - UP PAINT DOES NOT HAVE THE CHALK AND FADE RESISTANCE OF THE FACTORY APPLIED FINISH AND CAN DISCOLOR AT AN ACCELERATED RATE. ALL PAINT NEEDS TO BE SHAKEN WELL AND TESTED IN AN INCONSPICUOUS PLACE TO ENSURE CORRECT COLOR AND FINISH.

# MAC

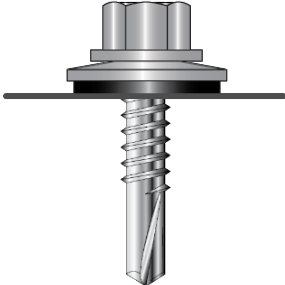
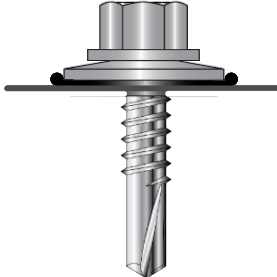
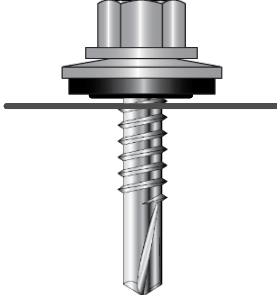
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# SCREW GUIDE

## METAL TO WOOD SELF-TAPPING

CORRECT SEAL	TOO TIGHT	TOO LOOSE
		

## METAL TO METAL SELF-DRILLING

CORRECT SEAL	TOO TIGHT	TOO LOOSE
		
<p>METAL WASHER IS SLIGHTLY COMPRESSED WITH THE NEOPRENE WASHER SLIGHTLY VISIBLE. THIS SEAL IS CORRECT AND WILL BE WEATHER TIGHT.</p>	<p>METAL WASHER IS FULLY COMPRESSED WITH THE NEOPRENE WASHER EXTENDING PAST THE EDGES. THIS SEAL WILL FAIL, AS WELL AS CAUSING DENTS OR PITTING IN THE MATERIAL.</p>	<p>METAL WASHER IS NOT COMPRESSED ONTO THE NEOPRENE WASHER AT ALL. THIS SEAL WILL ALSO FAIL DUE TO THE LACK OF CONTACT BETWEEN THE ROOFING AND THE WASHER ITSELF.</p>

## SCREW USAGE

- SCREWS ARE THE BEST OPTION FOR PANEL AND TRIM INSTALLATION. PAINTED HEADS OFFER ADDED PROTECTION OVER BARE GALVANIZED. IF ATTACHING TO WOOD, A METAL TO WOOD SELF-TAPPING SCREW SHOULD BE USED. IF ATTACHING TO METAL, A METAL TO METAL SELF-DRILLING SCREW SHOULD BE USED.
- THE CORRECT SCREW GUN IS ALSO IMPORTANT TO THE PROPER INSTALLATION OF SELF-TAPPING OR SELF-DRILLING SCREWS. THE APPROPRIATE SPEED AND TORQUE SETTING WILL HELP PREVENT STRIP-OUT AND DAMAGE TO MATERIAL COATINGS.
- TYPICALLY, 80 SCREWS SHOULD BE USED PER SQUARE OF METAL FOR 36" WIDE PANELS AND 1 SCREW PER LINEAR FOOT FOR 16" PANELS.
- APPLY SUFFICIENT TORQUE TO SEAT THE WASHER WITHOUT OVERDRIVING THE FASTENER.
- MAKE SURE SCREW HEAD IS COMPLETELY ENGAGED IN THE SOCKET TO PREVENT WOBBLING. METAL SHAVINGS WILL BUILD UP FROM DRILLING AND SHOULD BE REMOVED, AS THIS CAUSES THE HEAD TO NOT GO DOWN ALL THE WAY IN THE SOCKET.
- PUSH ONLY HARD ENOUGH ON THE SCREW GUN TO ENGAGE CLUTCH. THIS WILL PREVENT EXCESS FRICTION AND BURN OUT OF THE DRILL POINT. CORRECT PRESSURE WILL ALLOW THE SCREW TO DRILL AND TAP WITHOUT BINDING.



### CAUTION

BE SURE TO REMOVE ALL SCREW SHAVINGS FROM ROOF AT THE END OF EACH WORK INTERVAL AS THIS WILL CAUSE RUST AND VOID ANY WARRANTIES.

# MAC

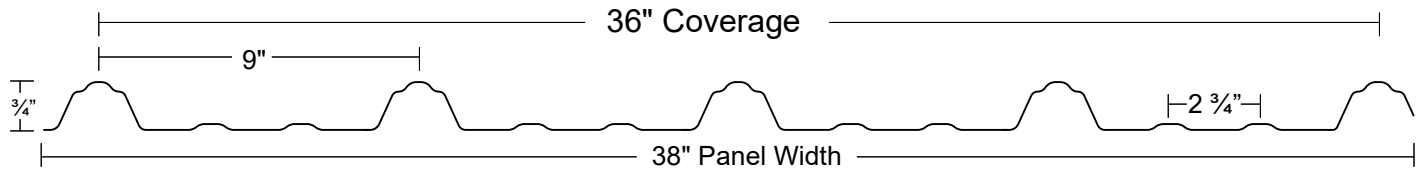
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# MAC-RIB PANEL 29GA\* TECHNICAL SPECIFICATIONS

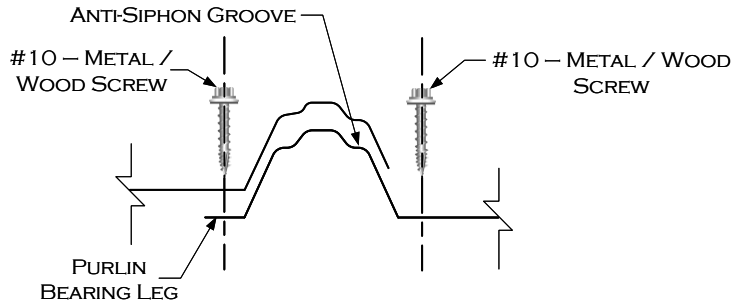
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MAC-TEN

GALVALUME

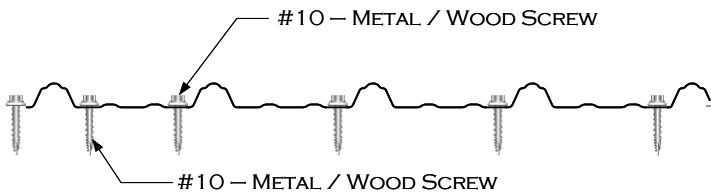


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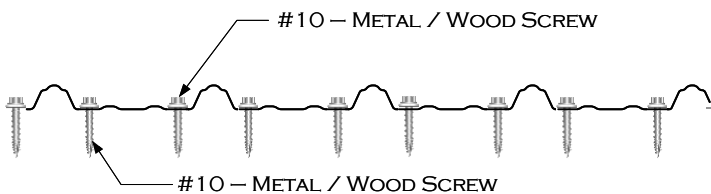


## SCREW PATTERNS

### MIDDLE OF PANEL



### EAVE EDGE OF PANEL



## GENERAL INFORMATION

### SLOPE

THE MINIMUM RECOMMENDED SLOPE FOR MAC-RIB PANELS IS 1:12. MAC METAL SALES RECOMMENDS THAT IN ROOF APPLICATIONS WITH A SLOPE OF 3:12 OR LESS, MASTIC TAPE BE USED ON ALL SIDE LAPS.

### SUBSTRUCTURE

MAC-RIB PANELS ARE DESIGNED TO BE UTILIZED OVER OPEN STRUCTURAL FRAMING OR A SOLID SUBSTRATE.

### COVERAGE

MAC-RIB PANELS ARE OFFERED IN A 3/4" RIB HEIGHT WITH A COVERAGE OF 36".

### LENGTH

MINIMUM FACTORY CUT LENGTH IS 3'-0". MAXIMUM RECOMMENDED PANEL LENGTH IS 48'-0". LONGER PANELS REQUIRE ADDITIONAL CONSIDERATION IN MANUFACTURING, PACKAGING, SHIPPING AND ERECTION. SHORTER PANELS ALSO REQUIRE ADDITIONAL CONSIDERATIONS. PLEASE CONSULT MAC METAL SALES FOR RECOMMENDATIONS.

### FASTENERS

THE FASTENERS SELECTION GUIDE SHOULD BE CONSULTED FOR CHOOSING THE PROPER FASTENER FOR SPECIFIC APPLICATIONS. QUANTITY AND TYPE OF FASTENERS MUST MEET NECESSARY LOADING AND CODE REQUIREMENTS.

NOTE: PANELS ARE SUBJECT TO SURFACE DISTORTION DUE TO IMPROPERLY APPLIED FASTENERS. OVERDRIVEN FASTENERS WILL CAUSE STRESS AND INDUCE OIL CANNING ACROSS THE FACE OF THE PANEL, SEE FASTENER DETAIL.

### CUT FEE

A CUT FEE WILL BE APPLIED TO ALL PANEL LENGTHS LESS THAN 3'0".

## SECTION PROPERTIES

GA.	FY (KSI)	WEIGHT (L.N.FT.)	V <sub>a</sub> kip/ft.	P <sub>a_end</sub> lbs/ft.	P <sub>a_int</sub> lbs/ft.	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
						I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>e</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> kip in./ft.	I <sub>x</sub> (in. <sup>4</sup> /ft.)	S <sub>e</sub> (in. <sup>3</sup> /ft.)	M <sub>a</sub> kip in./ft.
29	80.0	2	0.4160	193.50	253.70	0.0100	0.0172	0.6170	0.0060	0.0173	0.5100

- SECTION PROPERTIES ARE CALCULATED IN ACCORDANCE WITH THE 2001 AISI NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
- V<sub>a</sub> IS THE ALLOWABLE SHEAR.
- P<sub>a</sub> IS THE ALLOWABLE LOAD FOR WEB CRIPPLING ON END AND INTERIOR SUPPORTS.
- I<sub>x</sub> IS FOR DEFLECTION DETERMINATION.
- S<sub>e</sub> IS FOR BENDING
- M<sub>a</sub> IS THE ALLOWABLE BENDING MOMENT.
- ALL VALUES ARE FOR ONE FOOT OF PANEL WIDTH.

\*MAC-RIB PANEL IS ALSO AVAILABLE IN 26 GA. PLEASE ASK AN ASSOCIATE FOR DETAILS.

SCAN THE QR CODE TO SEE OUR LATEST DIGITAL PRINT COLORS



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# MAC-RIB 29GA TRIM

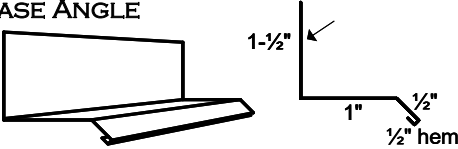
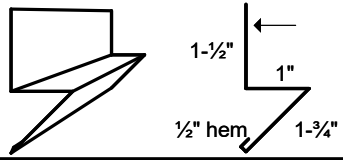
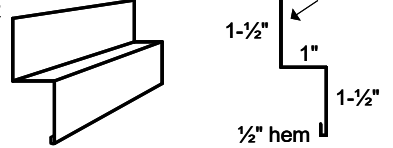
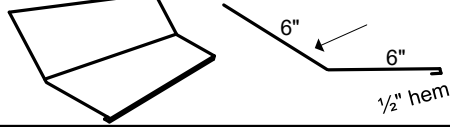
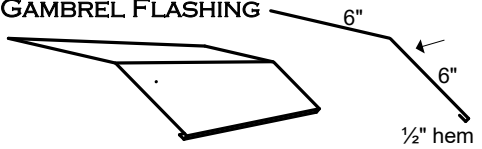
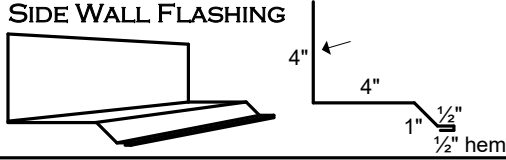
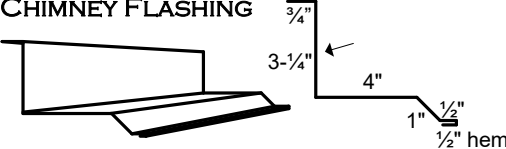
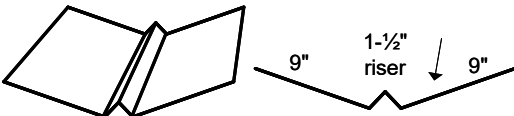
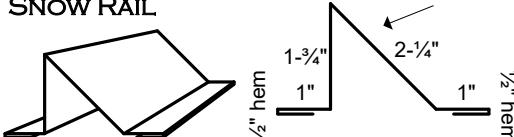
ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>RIDGE CAP</b> 	COVERS THE RIDGE OR HIP OF A ROOF AND IS USED IN CONJUNCTION WITH AN OUTSIDE CLOSURE. CAN BE VENTED USING A LOW PROFILE VENTED CLOSURE.	RID	10'6"	8.63#
<b>EXTRA WIDE RIDGE CAP</b> 	COVERS THE RIDGE OR HIP OF A ROOF AND IS USED IN CONJUNCTION WITH AN OUTSIDE CLOSURE. CAN BE VENTED USING A LOW PROFILE VENTED CLOSURE.	EXRID	10'6"	12.0#
<b>CORNER</b> 	USED TO TRIM THE EDGE OF THE ROOFING PANEL AT THE GABLE END OF THE ROOF. IT IS ALSO USED TO CAP THE CORNERS OF A BUILDING.	COR	10'	7.63#
<b>MINI CORNER</b> 	USED TO TRIM THE EDGE OF THE ROOFING PANEL AT THE GABLE END OF THE ROOF. IT IS ALSO USED TO CAP THE CORNERS OF A BUILDING.	MINI	10'	6.46#
<b>2 1/2" CORNER</b> 	USED TO TRIM THE EDGE OF THE ROOFING PANEL AT THE GABLE END OF THE ROOF. IT IS ALSO USED TO CAP THE CORNERS OF A BUILDING.	2.5COR	10'	6.46#
<b>GABLE TRIM</b> 	USED TO TRIM THE EDGE OF THE ROOFING PANEL AT THE GABLE END OF THE ROOF.	GT	10'	5#
<b>HOUSE RAKE</b> 	USED TO TRIM THE EDGE OF THE ROOFING PANEL AT THE GABLE END OF THE ROOF.	HRAKE	10'	7.05#
<b>DRIP EDGE</b> 	PROTECTS THE EAVE EDGE OF A ROOF FROM SIPHONING WATER UNDER THE PANEL AND IS USED IN CONJUNCTION WITH AN INSIDE CLOSURE. ALSO PROVIDES A FINISHED LOOK.	DE	10'	2.06#
<b>OVERSIZED DRIP EDGE</b> 	PROTECTS THE EAVE EDGE OF A ROOF FROM SIPHONING WATER UNDER THE PANEL AND IS USED IN CONJUNCTION WITH AN INSIDE CLOSURE. ALSO PROVIDES A FINISHED LOOK.	OSDE	10'	3.51#
<b>EAVE TRIM</b> 	PROTECTS THE EAVE EDGE OF A ROOF FROM SIPHONING WATER UNDER THE PANEL AND IS USED IN CONJUNCTION WITH AN INSIDE CLOSURE. ALSO PROVIDES A FINISHED LOOK.	ET	10'	5.72#

\* OTHER TRIM LENGTHS AVAILABLE IN TWO FOOT INCREMENTS. PLEASE ASK AN ASSOCIATE FOR DETAILS.



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# MAC-RIB 29GA TRIM

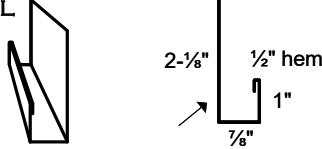
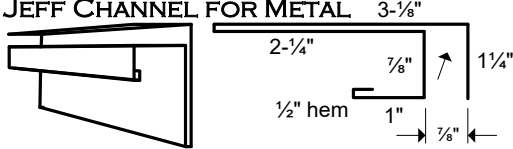
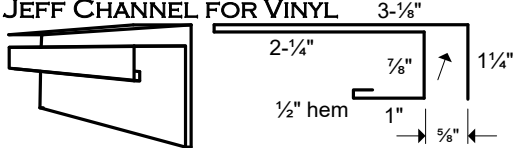
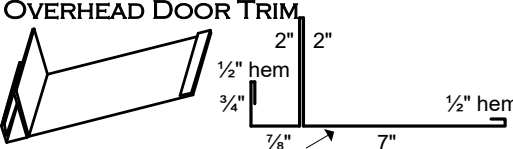
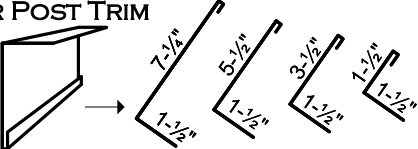
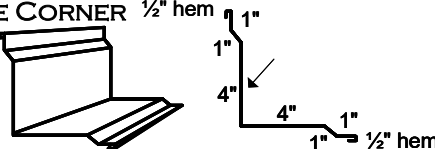

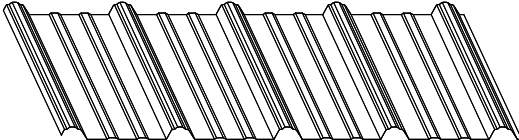
ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>BASE ANGLE</b> 	SEALS THE BOTTOM OF PANELS AT THE FLOOR LEVEL, PREVENTING RODENTS AND INSECTS FROM ENTERING THE BUILDING.	BA	10'	2.06#
<b>RAT GUARD</b> 	SEALS THE BOTTOM OF PANELS AT THE FLOOR LEVEL, PREVENTING RODENTS AND INSECTS FROM ENTERING THE BUILDING.	RGRD	10'	2.79#
<b>Z - BAR</b> 	CREATES A WAINSCOT IN A WALL WITH EITHER TWO SHEETS OF METAL OR A SHEET OF METAL MEETING AN ALTERNATIVE MATERIAL LIKE BRICK OR STONE.	ZBAR	10'	2.64#
<b>TRANSITION FLASHING</b> 	PREVENTS LEAKAGE AT THE POINT OF A ROOF WHERE A HIGH PITCH MEETS A LOW PITCH. ALSO KNOWN AS ENDWALL OR LOWER GAMBREL.	TRANS	10'	6.75#
<b>GAMBREL FLASHING</b> 	PREVENTS LEAKAGE AT THE POINT OF A ROOF WHERE A LOW PITCH MEETS A HIGH PITCH. ALSO KNOWN AS UPPER GAMBREL.	GF	10'	6.75#
<b>SIDE WALL FLASHING</b> 	USED WHERE THE UPWARD SLOPE OF A ROOF MEETS A WALL AND WHERE THE SIDE OF A ROOF BUMPS UP AGAINST AN ADJACENT WALL.	SWF	10'	5.40#
<b>CHIMNEY FLASHING</b> 	FLASHES AROUND A BRICK, BLOCK, OR STONE CHIMNEY OR WALL.	CHIM	10'	5.28#
<b>W - VALLEY</b> 	PREVENTS WATER FROM RUSHING UNDER THE PANELS WHILE DIVERTING THE WATER OFF THE ROOF AND IS USED IN CONJUNCTION WITH UNI-SEAL.	WV	10'	12.4#
<b>SNOW RAIL</b> 	KEEPS SNOW FROM FALLING FROM THE ROOF IN SHEETS. PROTECTS GUTTERS & PROPERTY. ATTACHES TO THE PANEL WITH 3/4" WOOD STITCH SCREWS.	SNOW	10'	3.35#

\*OTHER TRIM LENGTHS AVAILABLE IN TWO FOOT INCREMENTS. PLEASE ASK AN ASSOCIATE FOR DETAILS.



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# MAC-RIB 29GA TRIM

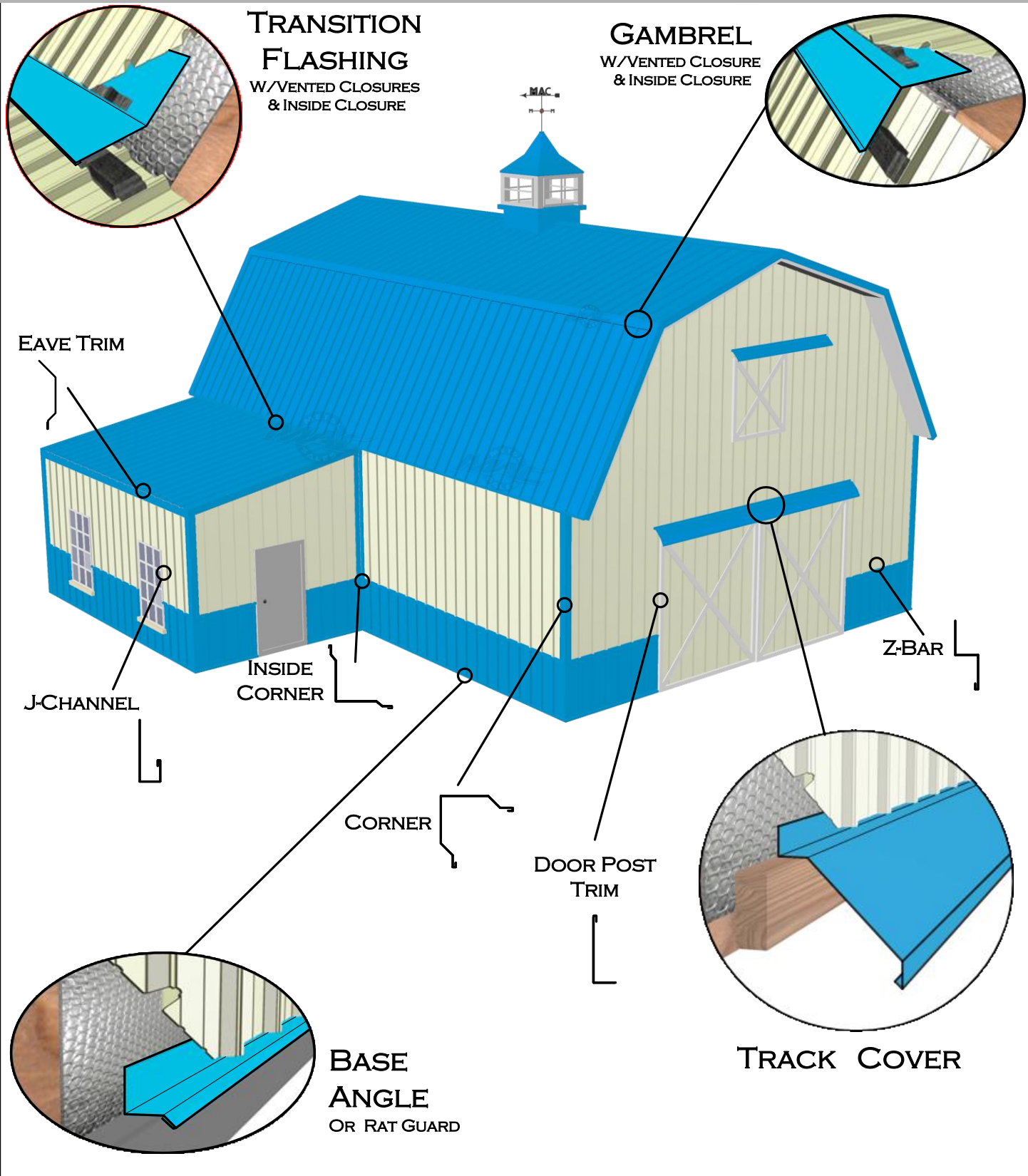
ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>J - CHANNEL</b> 	ACTS AS A RECEIVER FOR PANELS AROUND DOORS, WINDOWS AND VARIOUS OTHER OPENINGS.	JC	10'	2.94#
<b>JEFF CHANNEL FOR METAL</b> 	RECEIVES A WALL PANEL AND A CEILING PANEL, TAKING THE PLACE OF USING TWO J - CHANNELS. ALSO RECEIVES SOFFIT IN EXTERNAL APPLICATIONS.	JEFCH	10'	5.72#
<b>JEFF CHANNEL FOR VINYL</b> 	RECEIVES A WALL PANEL AND A CEILING PANEL, TAKING THE PLACE OF USING TWO J - CHANNELS. ALSO RECEIVES SOFFIT IN EXTERNAL APPLICATIONS.	JEFVCH	10'	5.72#
<b>OVERHEAD DOOR TRIM</b> 	WRAPS THE JAMB OF A DOOR WHILE RECEIVING A WALL PANEL. CAN ALSO BE USED AS A FASCIA/ J-CHANNEL COMBO FOR OVERHANG APPLICATIONS.	OHDT	10'	8.22#
<b>DOOR POST TRIM</b> 	WRAPS THE JAMB OF A DOOR AND CAN BE USED WITH A J - CHANNEL.	15ANG 35ANG 55ANG 75ANG	10' 10' 10' 10'	2.06# 3.23# 4.40# 5.43#
<b>INSIDE CORNER</b> 	TRIMS EXTERIOR AND INTERIOR OF INSIDE CORNERS.	INCOR	10'	7.63#
<b>VENTED METAL SOFFIT</b> 	ALLOWS BUILDINGS TO BREATHE AT THE OVERHANGS, CREATING CONTINUOUS AIRFLOW. INTERLOCKING DESIGN CENTER VENT  <small>*THIS IS NOT A STOCK ITEM, FREIGHT CHARGES MAY APPLY PLEASE CONTACT A SALESMAN FOR LEAD TIMES. **OTHER SIZES AND COLORS AVAILABLE.</small>	SOF144	12'	12.2#
<b>SOLID METAL SOFFIT</b> 	KEEPS BIRDS & PESTS FROM ENTERING THROUGH THE OVERHANG SPACING AND PROVIDES AN AESTHETICALLY PLEASING APPEARANCE.  <small>*CUT FEES APPLY</small>	MACRIB	1'0"	2.00#

**\*OTHER TRIM LENGTHS AVAILABLE IN TWO FOOT INCREMENTS. PLEASE ASK AN ASSOCIATE FOR DETAILS.**



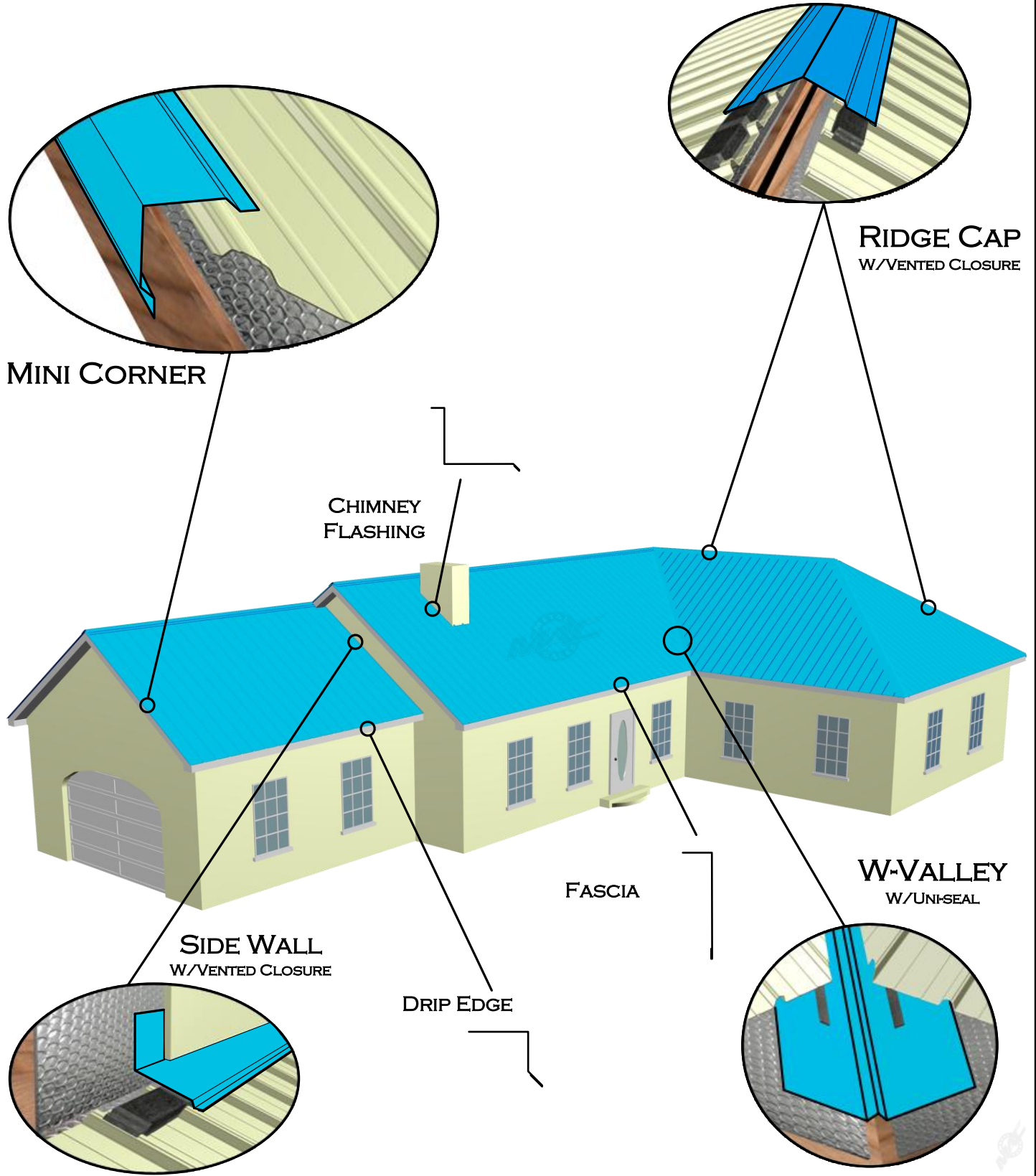
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# TRIM APPLICATIONS



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# TRIM APPLICATIONS

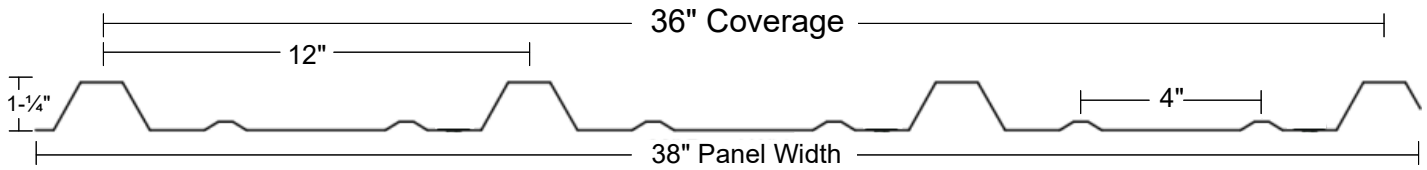


# MAC

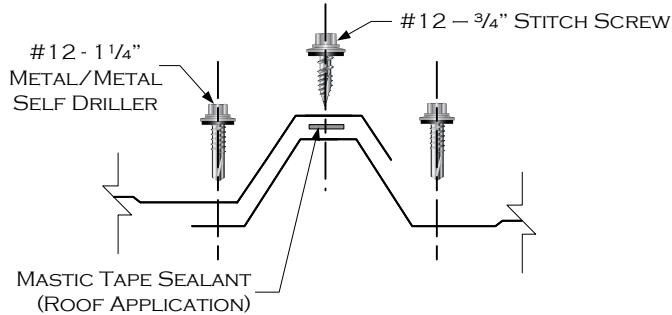
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# HI-RIB PANEL 26GA\* TECHNICAL SPECIFICATIONS

LIFETIME WARRANTY PAINTED | GALVALUME

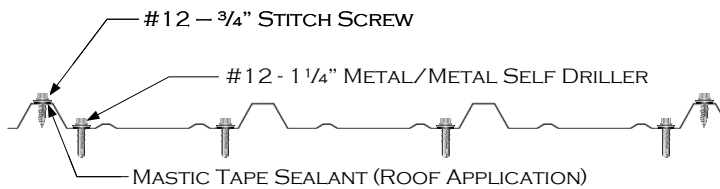


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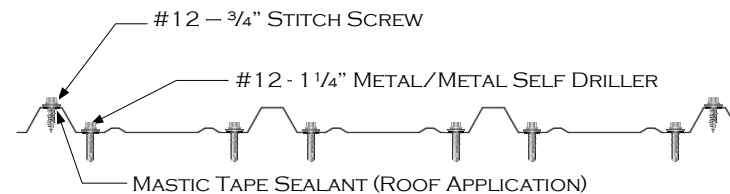


## SCREW PATTERNS

### MIDDLE OF PANEL



### EAVE EDGE OF PANEL



## GENERAL INFORMATION

### SLOPE

THE MINIMUM RECOMMENDED SLOPE FOR HI-RIB PANELS IS 1/2 : 12. MAC METAL SALES RECOMMENDS THAT IN ROOF APPLICATIONS, MASTIC TAPE BE USED ON ALL SIDE LAPS WITH STITCH SCREWS 1'-0" ON CENTER.

### SUBSTRUCTURE

HI-RIB PANELS ARE DESIGNED TO BE UTILIZED OVER OPEN STRUCTURAL FRAMING AND CAN EASILY BE USED WITH A SOLID SUBSTRATE.

### COVERAGE

HI-RIB PANELS ARE OFFERED IN A 1 1/4" RIB HEIGHT WITH A COVERAGE OF 36".

### LENGTH

MINIMUM FACTORY CUT LENGTH IS 3'-0". MAXIMUM RECOMMENDED PANEL LENGTH IS 48'-0". LONGER PANELS REQUIRE ADDITIONAL CONSIDERATION IN MANUFACTURING, PACKAGING, SHIPPING AND ERECTION. SHORTER PANELS ALSO REQUIRE ADDITIONAL CONSIDERATIONS. PLEASE CONSULT MAC METAL SALES FOR RECOMMENDATIONS.

### FASTENERS

THE FASTENERS SELECTION GUIDE SHOULD BE CONSULTED FOR CHOOSING THE PROPER FASTENER FOR SPECIFIC APPLICATIONS. QUANTITY AND TYPE OF FASTENERS MUST MEET NECESSARY LOADING AND CODE REQUIREMENTS. NOTE: PANELS ARE SUBJECT TO SURFACE DISTORTION DUE TO IMPROPERLY APPLIED FASTENERS. OVERDRIVEN FASTENERS WILL CAUSE STRESS AND INDUCE OIL CANNING ACROSS THE FACE OF THE PANEL, SEE FASTENER DETAIL.

### CUT FEE

A CUT FEE WILL BE APPLIED TO ALL PANEL LENGTHS LESS THAN 3'0".

## SECTION PROPERTIES

GA.	WIDTH (IN.)	YIELD KSI	WEIGHT (LN.FT.)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION		ALLOWABLE UNIFORM LIVE LOADS PSF (3 OR MORE EQUAL SPANS)											
				IXX IN4/FT	SXX IN3/FT	IXX IN4/FT	SXX IN3/FT	INWARD (GRAVITY/DEFLECTION) LOAD					OUTWARD UPLIFT (STRESS) LOAD						
								2'	3'	4'	5'	6'	7'	2'	2'	4'	5'	6'	7'
26	36"	80	2.63	0.0360	0.0358	0.0313	0.0452	256	127	74	49	34	23	217	104	60	39	27	20

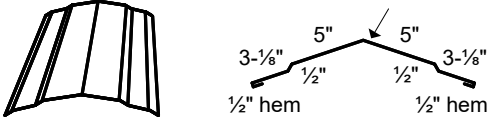
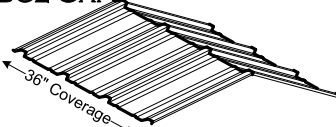
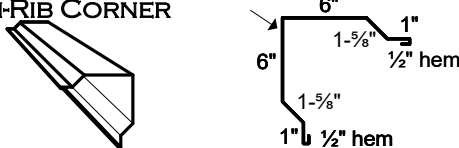
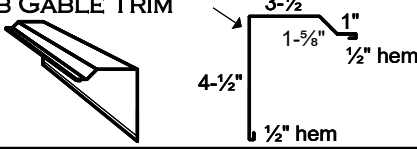
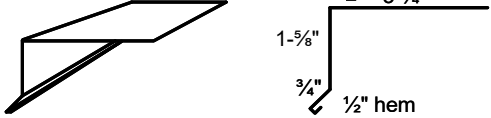
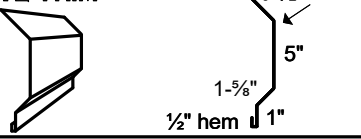
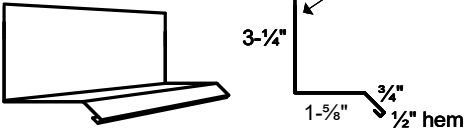
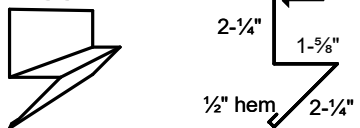
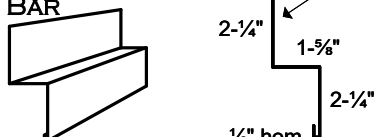
1. THEORETICAL SECTION PROPERTIES HAVE BEEN CALCULATED PER AISI 2001 "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS." IXX AND SXX ARE EFFECTIVE SECTION PROPERTIES FOR DEFLECTION AND BENDING.
2. ALLOWABLE LOAD IS CALCULATED IN ACCORDANCE WITH AISI 2001 SPECIFICATIONS CONSIDERING BENDING, SHEAR, COMBINED BENDING AND SHEAR, DEFLECTION AND APPLICABLE TESTING WHEN AVAILABLE. ALLOWABLE LOAD CONSIDERS THE WORST CASE OF 3 AND 4 EQUAL SPAN CONDITIONS. ALLOWABLE LOAD DOES NOT ADDRESS WEB CRIPPLING OR FASTENERS SUPPORT CONNECTION AND PANEL WEIGHT IS NOT CONSIDERED.
3. DEFLECTION CONSIDERATION IS LIMITED BY A MAXIMUM DEFLECTION RATIO OF L/180 OF SPAN.
4. ALLOWABLE LOADS DO NOT INCLUDE A 1/3 STRESS INCREASE IN UPLIFT.

\*HI-RIB PANEL IS ALSO AVAILABLE IN 29 GA. PLEASE SEE A MAC METAL ASSOCIATE FOR DETAILS.



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# HI-RIB 26GA TRIM

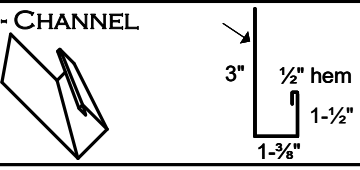
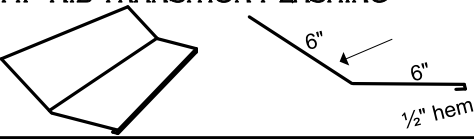

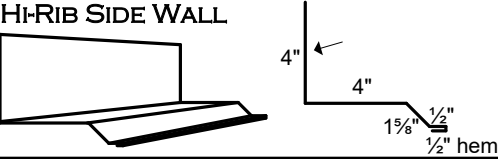
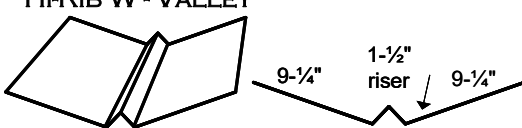
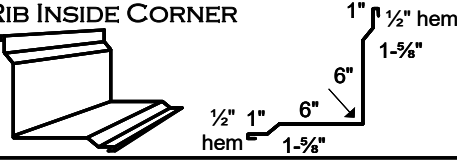
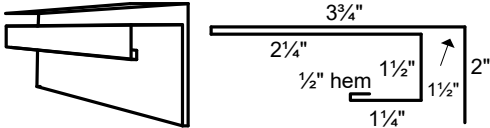
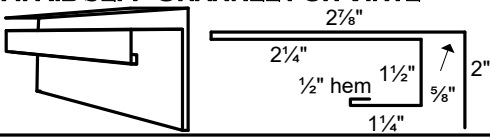
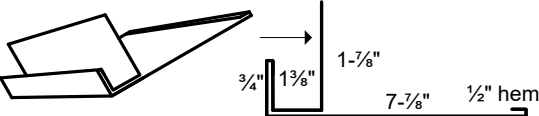
ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>HI-RIB RIDGE CAP</b> 	COVERS THE RIDGE OR HIP OF A ROOF AND IS USED IN CONJUNCTION WITH AN OUTSIDE CLOSURE. CAN BE VENTED USING A LOW PROFILE VENTED CLOSURE.	HRRIDCAP	10'6"	12.1#
<b>DIE-FORM RIDGE CAP</b> 	COVERS THE RIDGE OF A ROOF. CAN BE MADE UP TO A 3/12 PITCH.	DFRC	3'	8.10#
<b>HI-RIB CORNER</b> 	USED TO CAP THE CORNER OF A BUILDING.	HRCOR	10'	11.5#
<b>HI-RIB GABLE TRIM</b> 	USED TO TRIM THE EDGE OF THE ROOFING PANEL AT THE GABLE END OF THE ROOF.	HRGT	10'	7.33#
<b>HI-RIB DRIP EDGE</b> 	PROTECTS THE EAVE EDGE OF A ROOF FROM SIPHONING WATER UNDER THE PANEL AND IS USED IN CONJUNCTION WITH AN INSIDE CLOSURE. ALSO PROVIDES A FINISHED APPEARANCE.	HRDE	10'	3.86#
<b>HI-RIB EAVE TRIM</b> 	PROTECTS THE EAVE EDGE OF A ROOF FROM SIPHONING WATER UNDER THE PANEL AND IS USED IN CONJUNCTION WITH AN INSIDE CLOSURE. ALSO PROVIDES A FINISHED APPEARANCE.	HRET	10'	7.33#
<b>HI-RIB BASE ANGLE</b> 	SEALS THE BOTTOM OF PANELS AT THE FLOOR LEVEL, PREVENTING RODENTS AND INSECTS FROM ENTERING THE BUILDING.	HRBA	10'	3.55#
<b>HI-RIB RAT GUARD</b> 	SEALS THE BOTTOM OF PANELS AT THE FLOOR LEVEL, PREVENTING RODENTS AND INSECTS FROM ENTERING THE BUILDING.	HRRG	10'	4.18#
<b>HI-RIB Z - BAR</b> 	CREATES A WAINSCOT IN A WALL WITH EITHER TWO SHEETS OF METAL OR A SHEET OF METAL MEETING AN ALTERNATIVE MATERIAL LIKE BRICK OR STONE.	HRZB	10'	4.18#

\*OTHER TRIM LENGTHS AVAILABLE IN TWO FOOT INCREMENTS. PLEASE ASK AN ASSOCIATE FOR DETAILS.



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# HI-RIB 26GA TRIM

ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>HI-RIB J - CHANNEL</b> 	ACTS AS A RECEIVER FOR PANELS AROUND DOORS, WINDOWS AND VARIOUS OTHER OPENINGS.	HRJC	10'	4.02#
<b>HI - RIB TRANSITION FLASHING</b> 	PREVENTS LEAKAGE AT THE POINT OF A ROOF WHERE A HIGH PITCH MEETS A LOW PITCH. ALSO KNOWN AS ENDWALL OR LOWER GAMBREL.	HRTRANS	10'	8.90#
<b>HI - RIB GAMBREL FLASHING</b> 	PREVENTS LEAKAGE AT THE POINT OF A ROOF WHERE A LOW PITCH MEETS A HIGH PITCH. ALSO KNOWN AS UPPER GAMBREL.	HRGF	10'	8.90#
<b>HI-RIB SIDE WALL</b> 	USED WHERE THE UPWARD SLOPE OF A ROOF MEETS A WALL AND WHERE THE SIDE OF A ROOF BUMPS UP AGAINST AN ADJACENT WALL.	HRSW	10'	6.38#
<b>HI-RIB W - VALLEY</b> 	PREVENTS WATER FROM RUSHING UNDER THE PANELS WHILE DIVERTING THE WATER OFF THE ROOF.	HRWV	10'	13.6#
<b>HI-RIB INSIDE CORNER</b> 	TRIMS EXTERIOR AND INTERIOR OF INSIDE CORNERS.	HRINC	10'	11.5#
<b>HI-RIB JEFF CHANNEL FOR METAL</b> 	RECEIVES A WALL PANEL AND A CEILING PANEL, TAKING THE PLACE OF USING TWO J - CHANNELS. ALSO RECEIVES SOFFIT IN EXTERNAL APPLICATIONS.	HRJEF	10'	7.1#
<b>HI-RIB JEFF CHANNEL FOR VINYL</b> 	RECEIVES A WALL PANEL AND A CEILING PANEL, TAKING THE PLACE OF USING TWO J - CHANNELS. ALSO RECEIVES SOFFIT IN EXTERNAL APPLICATIONS.	HRJEFV	10'	6.75#
<b>HI-RIB OVERHEAD DOOR TRIM</b> 	WRAPS THE JAMB OF A DOOR WHILE RECEIVING A WALL PANEL. CAN ALSO BE USED AS A FASCIA/ J-CHANNEL COMBO FOR OVERHANG APPLICATIONS.	HROHDT	10'	9.86#

\*OTHER TRIM LENGTHS AVAILABLE IN TWO FOOT INCREMENTS. PLEASE ASK AN ASSOCIATE FOR DETAILS.



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# HI-RIB 26GA GUTTERS & ACCESSORIES

ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>COMMERCIAL GUTTER</b> 	<ul style="list-style-type: none"> <li>- USED ON COMMERCIAL OR INDUSTRIAL BUILDINGS.</li> <li>- CONNECTS END TO END WITH A 2" OVERLAP.</li> <li>- 26GA. CONSTRUCTION</li> </ul>	GUT10	10'2"	12.7#
<b>GUTTER STRAP</b> 	<ul style="list-style-type: none"> <li>- HOLDS THE OUTSIDE EDGE OF THE GUTTER TO THE ROOF LINE AND ATTACHES UNDER ROOF PANELS.</li> <li>- TO BE USED WITH HI-RIB PANELS</li> <li>- 26GA. CONSTRUCTION</li> </ul>	GUTSTRAP	1'	1.04#
<b>GUTTER END*</b> 	CAPS THE END OF GUTTERS 12" x 12" 26GA. MATERIAL <small>*FIELD BEND APPLICATION</small>	GUTEND	N/A	.756#
<b>COMMERCIAL RAKE</b> 	<ul style="list-style-type: none"> <li>- USED TO TRIM THE EDGE OF THE ROOFING PANEL AT THE GABLE END OF THE ROOF.</li> <li>- SCULPTED TO MATCH COMMERCIAL GUTTERS.</li> <li>- 26GA. CONSTRUCTION</li> </ul>	COMMRAKE	10'	13.0#
<b>DOWNSPOUT</b> 	<ul style="list-style-type: none"> <li>- DIVERTS WATER FROM THE GUTTERS TO DRAINAGE SYSTEMS.</li> <li>- CONNECTS TO COMMERCIAL GUTTERS.</li> <li>- INTERLOCKS ON THE CORNER FOR A SEAMLESS APPEARANCE.</li> <li>- 26GA. CONSTRUCTION</li> </ul>	DOWNSP	10'	11.03#
<b>DOWNSPOUT STRAP*</b> 	SECURES DOWNSPOUT TO WALL 1" WIDE 1 RECOMMENDED EVERY 5' <small>*FIELD BEND APPLICATION</small>	DOWNSTRP	16"	.336#

\*OTHER TRIM LENGTHS AVAILABLE IN TWO FOOT INCREMENTS. PLEASE ASK AN ASSOCIATE FOR DETAILS.

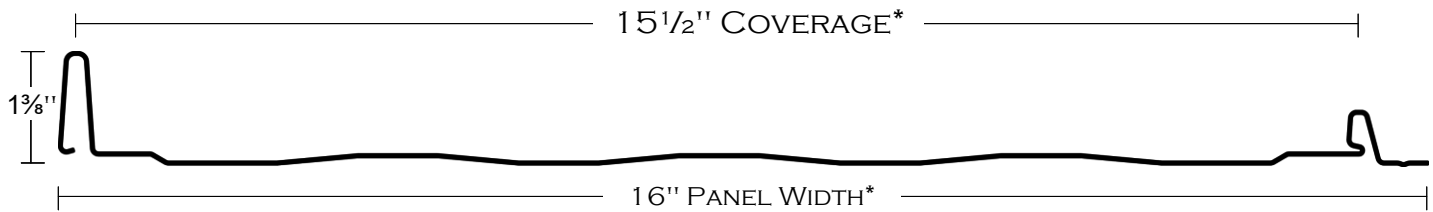


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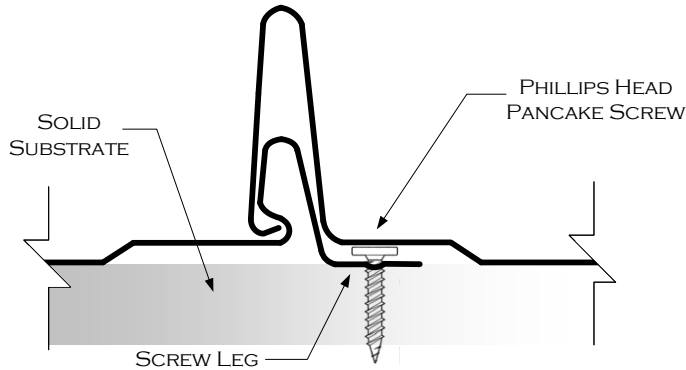
# MAC-LOC 26GA\*

## TECHNICAL SPECIFICATIONS

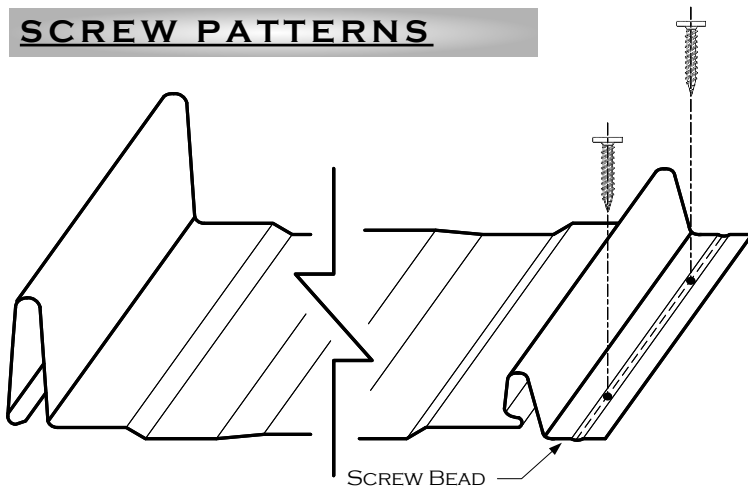
LIFETIME WARRANTY PAINTED | GALVALUME



### ATTACHMENT DETAIL



### SCREW PATTERNS



### GENERAL INFORMATION

#### SLOPE

THE MINIMUM RECOMMENDED SLOPE FOR MAC-LOC PANELS IS 3:12.

#### SUBSTRUCTURE

MAC-LOC PANELS ARE DESIGNED TO BE UTILIZED OVER A SOLID SUBSTRATE.

NOTE: UNDER CERTAIN CONDITIONS, MAC-LOC PANELS CAN BE USED ON OPEN STRUCTURAL FRAMING. SEE A MAC METAL SALES ASSOCIATE FOR DETAILS.

#### COVERAGE\*

MAC-LOC PANELS ARE OFFERED IN 1 3/8" RIB HEIGHT WITH A COVERAGE OF 15 1/2".

#### LENGTH

MINIMUM FACTORY CUT LENGTH IS 3'-0". MAXIMUM RECOMMENDED PANEL LENGTH IS 40'-0". LONGER PANELS REQUIRE ADDITIONAL CONSIDERATION IN MANUFACTURING, PACKAGING, SHIPPING AND ERECTION. PLEASE CONSULT MAC METAL SALES FOR RECOMMENDATIONS.

#### FASTENERS

THE FASTENERS SELECTION GUIDE SHOULD BE CONSULTED FOR CHOOSING THE PROPER FASTENER FOR SPECIFIC APPLICATIONS. QUANTITY AND TYPE OF FASTENERS MUST MEET NECESSARY LOADING AND CODE REQUIREMENTS.

NOTE: PANELS ARE SUBJECT TO SURFACE DISTORTION DUE TO IMPROPERLY APPLIED FASTENERS. OVERDRIVEN FASTENERS WILL CAUSE STRESS AND INDUCE OIL CANNING ACROSS THE FACE OF THE PANEL, SEE FASTENER DETAIL.

### SECTION PROPERTIES

### ALLOWABLE UNIFORM LIVE LOADS PSF (3 OR MORE EQUAL SPANS)

GA.	WIDTH (IN.)	YIELD KSI	WEIGHT (LN.FT.)	TOP IN COMPRESSION		BOTTOM IN COMPRESSION		OUTWARD UPLIFT (STRESS) LOAD					
				IXX IN <sup>4</sup> /FT	SXX IN <sup>3</sup> /FT	IXX IN <sup>4</sup> /FT	SXX IN <sup>3</sup> /FT	0'-6"	1'-0"	1'-3"	1'-6"	1'-9"	2'-0"
26	16"	50	1.25	0.0157	0.0168	0.0163	0.0175	86	71	64	56	46	42

1. THEORETICAL SECTION PROPERTIES HAVE BEEN CALCULATED PER AISI 2001 "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS." IXX AND SXX ARE EFFECTIVE SECTION PROPERTIES FOR DEFLECTION AND BENDING.
2. ALLOWABLE LOAD IS CALCULATED IN ACCORDANCE WITH AISI 2001 SPECIFICATIONS CONSIDERING BENDING, SHEAR, COMBINED BENDING AND SHEAR, DEFLECTION AND APPLICABLE TESTING WHEN AVAILABLE. ALLOWABLE LOAD CONSIDERS THE WORST CASE OF 3 AND 4 EQUAL SPAN CONDITIONS. ALLOWABLE LOAD DOES NOT ADDRESS WEB CRIPPLING OR FASTENERS SUPPORT CONNECTION AND PANEL WEIGHT IS NOT CONSIDERED.
3. DEFLECTION CONSIDERATION IS LIMITED BY A MAXIMUM DEFLECTION RATIO OF L/180 OF SPAN.
4. ALLOWABLE LOADS DO NOT INCLUDE A 1/3 STRESS INCREASE IN UPLIFT.

\*MAC-LOC PANEL IS ALSO AVAILABLE IN 24 GA. PLEASE SEE A MAC METAL ASSOCIATE FOR DETAILS.



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# CONCEALED FASTENER TRIM

ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>RIDGE CAP</b> 	COVERS THE RIDGE OR HIP OF A ROOF AND IS USED IN CONJUNCTION WITH A Z - CLOSURE OR CAN BE VENTED USING A LOW PROFILE VENTED CLOSURE & CLIP.	CFRID	10'6"	12.5#
<b>RAKE TRIM</b> 	USED TO TRIM THE EDGE OF THE ROOFING PANEL AT THE GABLE END OF THE ROOF.	CFRAKE	10'	6.00#
<b>RAKE CLEAT</b> 	PROTECTS THE EAVE EDGE OF A ROOF FROM SIPHONING WATER UNDER THE PANEL. ALSO PROVIDES A FINISHED APPEARANCE.	CFRCLEAT	10'	1.90#
<b>CLEAT DRIP EDGE</b> 	PROTECTS THE EAVE EDGE OF A ROOF FROM SIPHONING WATER UNDER THE PANEL. ALSO PROVIDES A FINISHED APPEARANCE. PROVIDES AN ANCHOR POINT FOR FOLDED MAC-LOC PANELS.	CFCDE	10'	4.60#
<b>MAC-LOC CLEAT</b> 	PROVIDES AN ANCHOR POINT FOR FOLDED MAC-LOC PANELS.	CFCLEAT	10'	9.98#
<b>Z - CLOSURE</b> 	CLOSES THE GAP MADE BETWEEN THE PANEL AND A TRIM PIECE WHEN NOT USING VENTED CLOSURES. CAN BE USED UNDER RIDGE CAPS, HIP CAPS, OR SIDE WALLS.	CFZC	10'	2.40#
<b>TRANSITION FLASHING</b> 	PREVENTS LEAKAGE AT THE POINT OF A ROOF WHERE A HIGH PITCH MEETS A LOW PITCH. ALSO KNOWN AS ENDWALL OR LOWER GAMBREL.	CFTRANS	10'	8.10#
<b>SIDE WALL</b> 	USED WHERE THE UPWARD SLOPE OF A ROOF MEETS A WALL AND WHERE THE SIDE OF A ROOF BUMPS UP AGAINST AN ADJACENT WALL.	CFSWF	10'	5.60#
<b>W - VALLEY</b> 	PREVENTS WATER FROM RUSHING UNDER THE PANELS WHILE DIVERTING THE WATER OFF THE ROOF.	CFWV	10'	11.90#

\*OTHER TRIM LENGTHS AVAILABLE IN TWO FOOT INCREMENTS. PLEASE ASK AN ASSOCIATE FOR DETAILS.

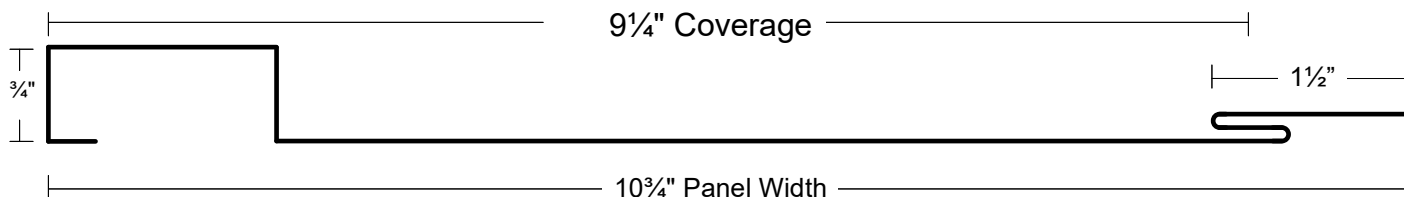


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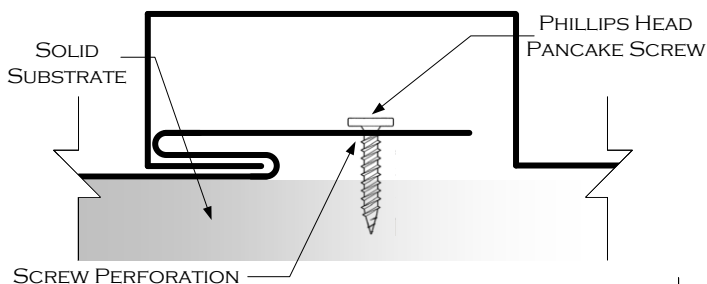
CONCEALED FASTENER

# BOARD & BATTEN SIDING

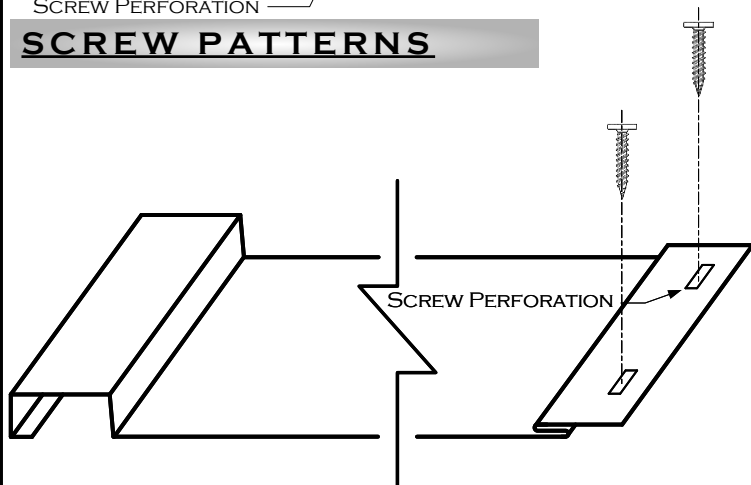
LIFETIME WARRANTY PAINTED | GALVALUME | 29 GA | 26 GA | CONCEALED FASTENER SYSTEM



## ATTACHMENT DETAIL



## SCREW PATTERNS



## GENERAL INFORMATION

### USAGE

OUR BOARD & BATTEN PANELS ARE MEANT TO BE USED AS SIDING MATERIAL ONLY. THE PANELS SHOULD ONLY BE USED AS AN EXTERIOR OR INTERIOR WALL APPLICATION. UNDER NO CIRCUMSTANCES SHOULD THIS PANEL BE INSTALLED AS A ROOFING MATERIAL.

### SUBSTRUCTURE

BOARD & BATTEN PANELS ARE DESIGNED TO BE USED WITH A SOLID SUBSTRATE

### COVERAGE

BOARD & BATTEN PANELS ARE OFFERED IN A 3/4" RIB HEIGHT WITH A COVERAGE OF 9 1/4".

### LENGTH

MINIMUM FACTORY CUT LENGTH IS 2'-0". MAXIMUM RECOMMENDED PANEL LENGTH IS 16'-0". LONGER PANELS REQUIRE ADDITIONAL CONSIDERATION IN MANUFACTURING, PACKAGING, SHIPPING AND ERECTION. SHORTER PANELS ALSO REQUIRE ADDITIONAL CONSIDERATIONS. PLEASE CONSULT MAC METAL SALES FOR RECOMMENDATIONS.

### FASTENERS

THE FASTENERS SELECTION GUIDE SHOULD BE CONSULTED FOR CHOOSING THE PROPER FASTENER FOR SPECIFIC APPLICATIONS. QUANTITY AND TYPE OF FASTENERS MUST MEET NECESSARY LOADING AND CODE REQUIREMENTS.

NOTE: PANELS ARE SUBJECT TO SURFACE DISTORTION DUE TO IMPROPERLY APPLIED FASTENERS. OVERDRIVEN FASTENERS WILL CAUSE STRESS AND INDUCE OIL CANNING ACROSS THE FACE OF THE PANEL, SEE FASTENER DETAIL.

**METAL BOARD AND BATTEN SIDING IS A MODERN TAKE ON A TRADITIONAL FARMHOUSE SIDING. SOME BENEFITS INCLUDE; LOW MAINTENANCE, DURABILITY AND LONGEVITY, FIRE AND WEATHER RESISTANCE, ENERGY EFFICIENCY, CLEAN, MODERN LOOK, AND PRESENTS LESS RISK OF PEST ISSUES. WE CAN PROVIDE THE PROFILE IN ANY COLOR WE OFFER, TO INCLUDE OUR CRINKLE AND WOODGRAIN COLORS. PLEASE SEE A MAC METAL SALES ASSOCIATE FOR DETAILS.**

SCAN THE QR CODE TO SEE OUR LATEST DIGITAL PRINT COLORS

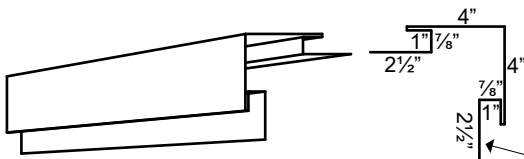
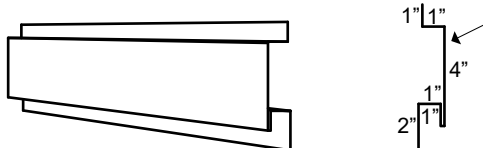
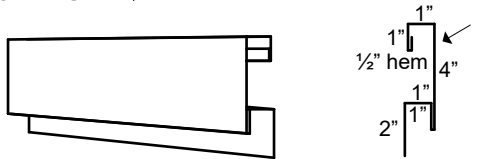
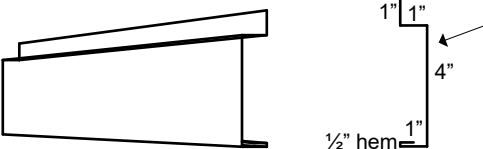
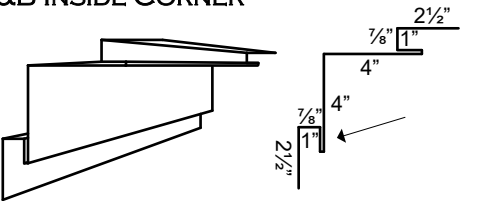


# MAC

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CONCEALED FASTENER

# BOARD & BATTEN TRIM

ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>B&amp; B CORNER</b> 	<p>USED TO TRIM THE EXTERIOR CORNERS OF A BUILDING. PROVIDES AMPLE COVERAGE AND MAINTAINS THE WIDE-TRIM APPEARANCE OF A MODERN INSTALLATION.</p>	CFBBCOR	10'	9.10#
<b>B&amp;B OVERSIZED Z-BAR</b> 	<p>USED TO TRIM BREAKS IN THE PANELS FOR WAINSCOT OR COLOR TRANSITIONS. USES THE 4-INCH FACE TO MAINTAIN CONSISTENCY.</p>	CFBBOSZ	10'	5.50#
<b>B&amp;B BORDER TRIM</b> 	<p>USED IN PLACE OF A TRADITIONAL J-CHANNEL AROUND WINDOWS, DOORS, OR OTHER OPENINGS. EXTRA-WIDE 4-INCH FACE FORMED TO SHOW PAINTED SIDES ONLY AFTER INSTALLATION.</p>	CFBBBORDER	10'	5.75#
<b>B&amp;B BASE TRIM</b> 	<p>CAN BE USED IN MULTIPLE APPLICATIONS AS A BASE TRIM OR CAP MOLDING. MAINTAINS THE MODERN 4-INCH FACE.</p>	CFBBBASE	10'	4.10#
<b>B&amp;B INSIDE CORNER</b> 	<p>USED TO TRIM THE INTERIOR CORNERS OF A BUILDING. PROVIDES AMPLE COVERAGE AND MAINTAINS THE WIDE-TRIM APPEARANCE OF A MODERN INSTALLATION.</p>	CFBBINCOR	10'	9.10#

**SPECIFICALLY ENGINEERED FOR TODAY'S RESIDENTIAL MARKET, THIS NEW LINE OF SIDING TRIM DELIVERS:**

**EXTRA-WIDE 4-INCH FACE FOR A CONSISTENT & MODERN AESTHETIC**

**PAINTED EXTERIOR FACING SIDES FOR A CLEAN, COLOR-MATCHED APPEARANCE**

**DEEP RECEIVING CHANNELS FOR INCREASED FREEDOM AND EASE OF INSTALLATION**

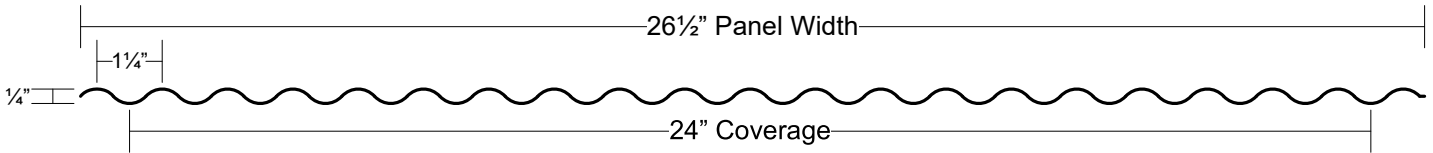
**\*OTHER TRIM LENGTHS AVAILABLE IN TWO FOOT INCREMENTS. PLEASE ASK AN ASSOCIATE FOR DETAILS.**



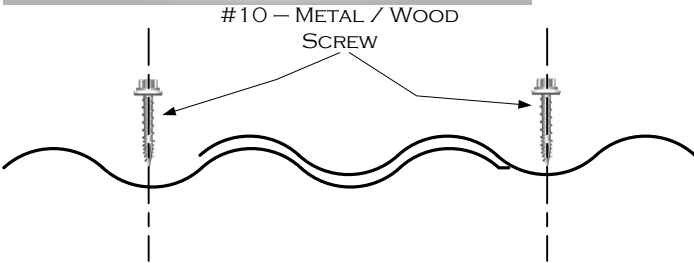
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# CORRUGATED PANEL 29GA

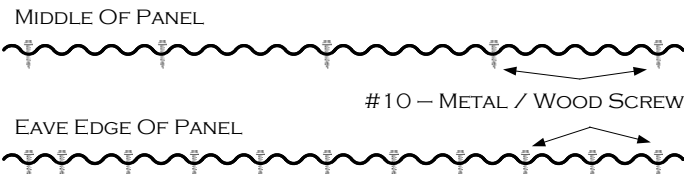
#2 NON WARRANTY GALVALUME | TECHNICAL SPECIFICATIONS



## ATTACHMENT DETAIL



## SCREW PATTERN



## GENERAL INFORMATION

### SLOPE

THE MINIMUM RECOMMENDED SLOPE FOR CORRUGATED PANELS IS 3:12. MAC METAL SALES RECOMMENDS THAT IN ROOF APPLICATIONS WITH A SLOPE OF 3:12 OR LESS, MASTIC TAPE BE USED ON ALL SIDE LAPS.

### SUBSTRUCTURE

CORRUGATED PANELS ARE DESIGNED TO BE UTILIZED OVER OPEN STRUCTURAL FRAMING OR A SOLID SUBSTRATE.

### COVERAGE

CORRUGATED PANELS ARE OFFERED IN A 1/4" RIB HEIGHT WITH A COVERAGE OF 24".

### LENGTH

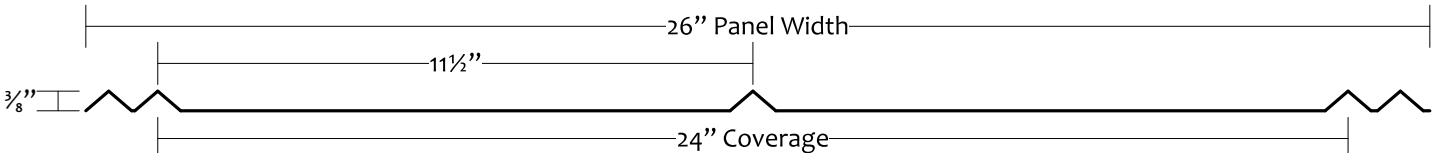
CORRUGATED PANELS COME IN 10'0" AND 12'0" LENGTHS.

\*ALSO AVAILABLE IN CUSTOM LENGTHS

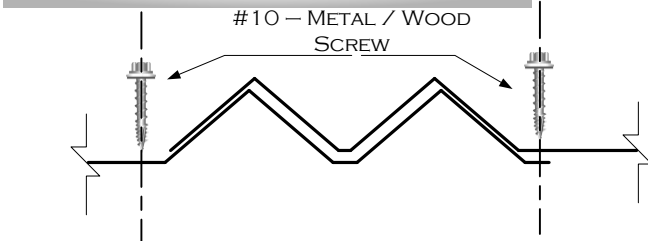
# 5-V PANEL

## 29GA

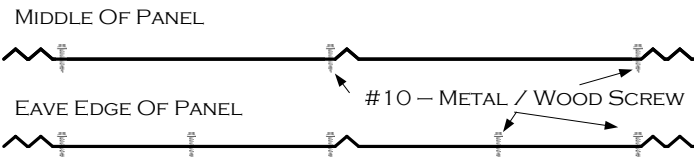
#2 NON WARRANTY GALVALUME | TECHNICAL SPECIFICATIONS



## ATTACHMENT DETAIL



## SCREW PATTERN



## GENERAL INFORMATION

### SLOPE

THE MINIMUM RECOMMENDED SLOPE FOR 5-V PANELS IS 3:12. MAC METAL SALES RECOMMENDS THAT IN ROOF APPLICATIONS WITH A SLOPE OF 3:12 OR LESS, MASTIC TAPE BE USED ON ALL SIDE LAPS.

### SUBSTRUCTURE

5-V PANELS ARE DESIGNED TO BE UTILIZED OVER OPEN STRUCTURAL FRAMING OR A SOLID SUBSTRATE.

### COVERAGE

5-V PANELS ARE OFFERED IN A 3/8" RIB HEIGHT WITH A COVERAGE OF 24".

### LENGTH

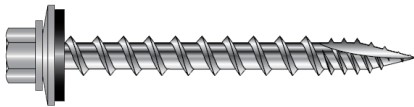

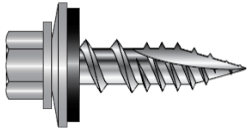
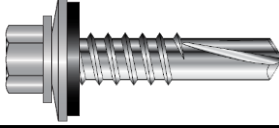
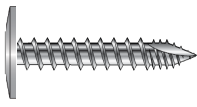

5-V PANELS COME IN 10'0" AND 12'0" LENGTHS.

\*ALSO AVAILABLE IN CUSTOM LENGTHS



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# SCREWS & FASTENERS

ITEM	DESCRIPTION				
	GENERAL	BOX COUNT	PRODUCT ID	LENGTH	WEIGHT
 <p><b>METAL/WOOD SELF-TAPPING SCREW</b></p>	PANEL TO WOOD #10 DIAMETER 1/4" HEAD 250 PER BAG	3000 2500 2000 1500	WS1 WS15 WS2 WS25	1" 1 1/2" 2" 2 1/2"	2.19# 2.50# 3.13# 3.75# * per bag
 <p><b>METAL/WOOD HOGG SCREW</b></p>	PANEL TO PANEL OR #14 DIAMETER 5/16" HEAD 250 PER BAG *SPECIAL ORDER. FREIGHT CHARGES APPLY.	2000 1500 1500	HOGGWS1 HOGGWS15 HOGGWS2	1" 1 1/2" 2"	3.25# 4.43# 5.56# * per bag
 <p><b>METAL/WOOD STITCH SCREW</b></p>	PANEL TO PANEL OR PANEL TO WOOD #12 DIAMETER 5/16" HEAD 250 PER BAG	2500	WSS34	3/4"	2.50# * per bag
 <p><b>METAL/METAL SELF-DRILLING SCREW</b></p>	PANEL TO METAL #12 DIAMETER 5/16" HEAD 250 PER BAG	2500	MMS14	1 1/4"	3.44# * per bag
 <p><b>PANCAKE SCREW</b></p>	PANEL TO WOOD PHILLIPS HEAD 250 PER BAG	5000 2500	PANSCR1 PANSCR15	1" 1 1/2"	1.75# 2.20# * per bag
 <p><b>POP RIVET</b></p>	METAL TO METAL STAINLESS STEEL 1/8" DIAMETER 100 PER BAG	100	RIVET	N/A	0.31# * per bag

## SCREW USAGE

- SCREWS ARE THE BEST OPTION FOR PANEL AND TRIM INSTALLATION. PAINTED HEADS OFFER ADDED PROTECTION OVER BARE GALVANIZED. IF ATTACHING TO WOOD, A METAL TO WOOD SELF-TAPPING SCREW SHOULD BE USED. IF ATTACHING TO METAL, A METAL TO METAL SELF-DRILLING SCREW SHOULD BE USED.
- THE CORRECT SCREW GUN IS ALSO IMPORTANT TO THE PROPER INSTALLATION OF SELF-TAPPING OR SELF-DRILLING SCREWS. THE APPROPRIATE SPEED AND TORQUE SETTING WILL HELP PREVENT STRIP-OUT AND DAMAGE TO MATERIAL COATINGS.
- TYPICALLY, 80 SCREWS SHOULD BE USED PER SQUARE OF METAL FOR 36" WIDE PANELS AND 1 SCREW PER LINEAR FOOT FOR 16" PANELS.
- APPLY SUFFICIENT TORQUE TO SEAT THE WASHER WITHOUT OVERDRIVING THE FASTENER.
- MAKE SURE SCREW HEAD IS COMPLETELY ENGAGED IN THE SOCKET TO PREVENT WOBBLING. METAL SHAVINGS WILL BUILD UP FROM DRILLING AND SHOULD BE REMOVED, AS THIS CAUSES THE HEAD TO NOT GO DOWN ALL THE WAY IN THE SOCKET.
- PUSH ONLY HARD ENOUGH ON THE SCREW GUN TO ENGAGE CLUTCH. THIS WILL PREVENT EXCESS FRICTION AND BURN OUT OF THE DRILL POINT. CORRECT PRESSURE WILL ALLOW THE SCREW TO DRILL AND TAP WITHOUT BINDING.



### CAUTION

BE SURE TO REMOVE ALL SCREW SHAVINGS FROM ROOF AT THE END OF EACH WORK INTERVAL AS THIS WILL CAUSE RUST AND VOID ANY WARRANTIES.

**NOTE: OTHER LENGTHS AND SIZES AVAILABLE. PLEASE ASK AN ASSOCIATE FOR DETAILS.**



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# INSULATION & ACCESSORIES

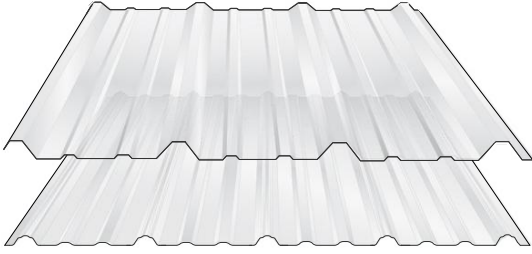

ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>BUBBLE INSULATION</b>	<b>FOIL / WHITE</b>			
	FOIL / WHITE 6' AND 4' WIDE ROLLS 3/16" THICK R12 INSULATING FACTOR*	FOIL-6125 FOIL663 FOIL4125	125' 63' 125'	26.0# 13.0# 17.5#
<b>FIBERGLASS INSULATION</b>	<b>2 IN.</b>			
	REINFORCED WHITE VINYL 6' WIDE ROLL 6" OVER LAP TAB R6 INSULATING FACTOR*	2INSR610	100'	92.0#
	<b>3 IN.</b>			
	REINFORCED WHITE VINYL 6' WIDE ROLL 6" OVER LAP TAB R10 INSULATING FACTOR*	3INSR610	100'	122#
<b>WHITE REINFORCED METALIZED TAPE</b>		INSULATION SEAM TAPE REINFORCED STRANDS 3" WIDE 16 PER BOX	WMTAPE	150' 1.69#
<b>FOIL INSULATION SEAM TAPE</b>		INSULATION SEAM TAPE 2" WIDE 24 PER BOX	FOILTAPE	150' 1.18#
<b>DOUBLE FACE TAPE</b>		MULTI - PURPOSE 2" WIDE 24 PER BOX	DFTAPE	75' .50#

\*INSULATING VALUES ARE BASED ON ROOF APPLICATIONS. OTHER VARIABLES CAN ALSO EFFECT THE INSULATING VALUE.






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# SKY LIGHT

ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>POLYCARBONATE SKYLIGHT</b> 	<b>MAC-RIB PROFILE</b>			
	CLEAR OR WHITE*	SKYC10	10'	6.00#
	100% POLYCARBONATE	SKYC12	12'	7.20#
	HAIL AND WIND RESISTANT	SKYC16	16'	9.60#
	FOR ROOF OR WALLS	SKYW10	10'	6.00#
	36" WIDE	SKYW12	12'	7.20#
	<b>HI-RIB PROFILE</b>			
	CLEAR OR WHITE*			
100% POLYCARBONATE	HRSKYC12	12'	6.70#	
HAIL AND WIND RESISTANT	HRSKYW12	12'	6.70#	
FOR ROOF OR WALLS				
36" WIDE				
<b>POLYCARBONATE RIDGE LIGHT</b> 	CLEAR VIRTUALLY UNBREAKABLE HAIL AND WIND RESISTANT FOR USE ON RIDGE LINE 24" WIDE	RIDLIGHT	10'-6"	5.25#

NOTE: OTHER LENGTHS AND SIZES MAY BE AVAILABLE. PLEASE ASK AN ASSOCIATE FOR DETAILS. FOR THE MOST CURRENT INFORMATION VISIT OUR WEBSITE.

# CUPOLAS & ACCESSORIES

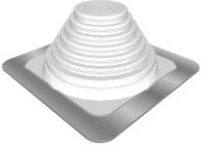
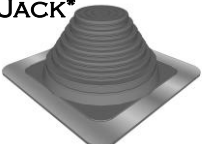
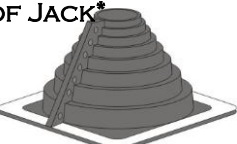
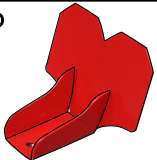
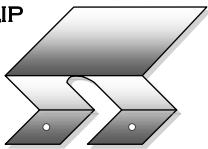
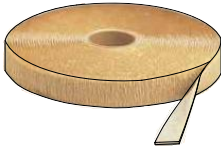



ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	SIZE	WEIGHT
<b>CUPOLA WITH LOUVERS</b> 	29GA. STEEL CONSTRUCTION HEMMED METAL EDGES WEATHERVANE INCLUDED ADJUSTABLE BASE 1/12 TO 6/12 PITCH MOUNTS ON TOP OF PANELS OR PURLINS HARDWARE INCLUDED EASY INSTALLATION & SET-UP PLEASE CALL FOR AVAILABLE COLORS <small>*NOT A STOCK ITEM</small>	CUP2X2M	2' x 2'	45.0#
		CUP3X3M	3' x 3'	104#
		CUP4X4M	4' x 4'	152#
<b>CUPOLA WITH WINDOWS</b> 	29GA. STEEL CONSTRUCTION PLEXIGLASS WINDOWS HEMMED METAL EDGES WEATHERVANE INCLUDED ADJUSTABLE BASE 1/12 TO 6/12 PITCH MOUNTS ON TOP OF PANELS OR PURLINS HARDWARE INCLUDED EASY INSTALLATION & SET-UP PLEASE CALL FOR AVAILABLE COLORS <small>*NOT A STOCK ITEM</small>	CUPW2X2M	2' x 2'	55.0#
		CUPW3X3M	3' x 3'	116#
		CUPW4X4M	4' x 4'	179#
<b>WEATHERVANE</b> 	CAST ALUMINUM BLACK FINISH COMPASS INCLUDED PLEASE CALL FOR AVAILABLE STYLES	WVSMALL	24"	5.00#
		WVLARGE	30"	6.50#
		<small>*NOT A STOCK ITEM</small>	46"	11.0#

CUSTOM CUPOLAS ARE AVAILABLE.  
SEE SALESPERSON FOR DETAILS,  
PRICING, AND COLOR OPTIONS.



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# ACCESSORIES









ITEM	DESCRIPTION				
	GENERAL	BOX COUNT	PRODUCT ID	LENGTH	WEIGHT
<b>ROOF JACK*</b> 	EPDM COMPOUND 1/4"-26" PIPE DIAMETER TRIM TO SUIT OPENING FLEXIBLE ALUMINUM BASE -65°F TO 275°F RATING	15 PER BOX 10 PER BOX 5 PER BOX 5 PER BOX 1 PER BOX	RUB3 RUB5 RUB8 RUB9 RUB10	1/4" - 4" 4" - 7" 7" - 13" 10" - 18" 13" - 26"	0.50# 0.95# 2.56# 3.86# 5.12#
<b>HI - TEMP ROOF JACK*</b> 	SILICONE COMPOUND 1/4"-26" PIPE DIAMETER TRIM TO SUIT OPENING FLEXIBLE ALUMINUM BASE -100°F TO 500°F RATING	15 PER BOX 10 PER BOX 5 PER BOX	RUB3HT RUB5HT RUB8HT	1/4" - 4" 4" - 7" 7" - 13"	0.50# 0.95# 2.56#
<b>RETRO - FIT ROOF JACK*</b> 	USED FOR A WEATHER HEAD 1/4"-9" PIPE DIAMETER TRIM TO SUIT OPENING FLEXIBLE ALUMINUM BASE -65°F TO 275°F RATING	5 PER BOX 5 PER BOX	RUB101 RUB201	1/4" - 4" 4" - 9 1/4"	0.50# 1.60#
<b>SNOW GUARD</b> 	16 GAUGE 304 STAINLESS STEEL EPDM RUBBER SEAL NO SILICONE NEEDED <small>*COLOR MATCHED FINISH AVAILABLE</small>	50 PER BOX	SNOWGRD	N/A	0.30#
<b>MAC-LOC CLIP</b> 	USED WITH MAC-LOC LOW PROFILE VENTED CLOSURES TO ATTACH TRIM PIECES AND SEAL THE ROOF SYSTEM.	100 PER BOX	SSCLIP	3"	0.20#
<b>MASTIC TAPE</b> 	3/8" FOR MAC-RIB PANEL 3/4" FOR HI-RIB PANEL	30 PER BOX 18 PER BOX	MASTIC38 MASTIC34	45' 45'	1.03# 2.14#
<b>METAL ROOFING SEALANT</b> 	ADVANCED POLYMER MATCHES PANEL COLOR INDOOR / OUTDOOR 10.3 FL. OZ.	12 PER BOX	MRS	N/A	1.10#
<b>CLEAR SILICONE</b> 	100% SILICONE INDOOR / OUTDOOR 10.1 FL. OZ.	12 PER BOX	SILICONE	N/A	1.10#
<b>SPRAY PAINT</b> 	AIR DRY FORMULA 12 OZ. CANS	12 PER BOX	PAINTSPR	N/A	0.89#

\* OTHER SIZES ARE AVAILABLE. PLEASE ASK AN ASSOCIATE FOR DETAILS.



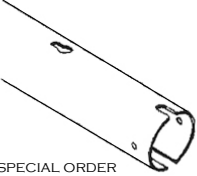
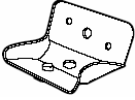



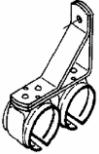
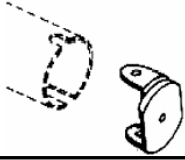
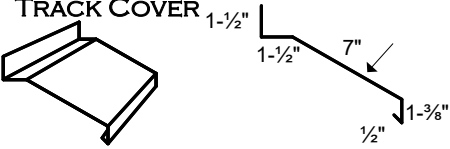
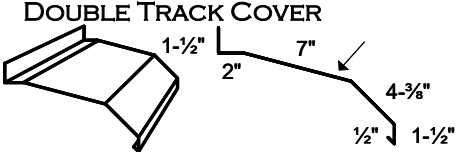
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# CLOSURES FITTED & UNIVERSAL

ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>MAC-RIB OUTSIDE CLOSURE WITH ADHESIVE</b> 	FOR MAC-RIB PANEL UPPER PANEL FILLER CONTINUOUS ADHESIVE 1" TALL 100 PER BOX	MROCG	3'	6.00# <small>* per box</small>
<b>MAC-RIB INSIDE CLOSURE</b> 	FOR MAC-RIB PANEL LOWER PANEL FILLER ¾" TALL 100 PER BOX	MRIC	3'	3.00# <small>* per box</small>
<b>MAC-RIB LOW PROFILE VENTED CLOSURE WITH ADHESIVE</b> 	FOR MAC-RIB PANEL UPPER PANEL FILLER CONTINUOUS ADHESIVE 1 ¼" TALL 25 PER BOX	MRLP	3'	5.50# <small>* per box</small>
<b>HI-RIB OUTSIDE CLOSURE WITH ADHESIVE</b> 	FOR HI-RIB PANEL UPPER PANEL FILLER CONTINUOUS ADHESIVE 1 ½" TALL 100 PER BOX	HROCG	3'	6.50# <small>* per box</small>
<b>HI-RIB INSIDE CLOSURE</b> 	FOR HI-RIB PANEL LOWER PANEL FILLER 1 ¼" TALL 100 PER BOX	HRIC	3'	3.50# <small>* per box</small>
<b>HI-RIB LOW PROFILE VENTED CLOSURE WITH ADHESIVE</b> 	FOR HI-RIB PANEL UPPER PANEL FILLER CONTINUOUS ADHESIVE 1 ½" TALL 25 PER BOX	HRLP	3'	6.00# <small>* per box</small>
<b>MAC-LOC LOW PROFILE VENTED CLOSURE WITH ADHESIVE</b> 	FOR MAC-LOC PANEL UPPER PANEL FILLER CONTINUOUS ADHESIVE 1 ¾" TALL 25 PER BOX	SSLP	32"	5.50# <small>* per box</small>
<b>UNI-SEAL WITH ADHESIVE</b> 	UNIVERSAL FOAM CLOSURE CONTINUOUS ADHESIVE 1" X 1" UV STABLE	UNISEAL	20'	.450#



# SLIDING DOOR TRACK & ACCESSORIES

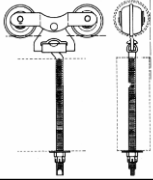
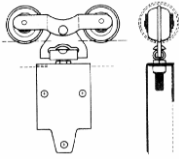

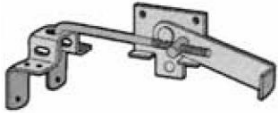


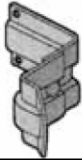


ITEM	DESCRIPTION				
	GENERAL	BOX COUNT	PRODUCT ID	LENGTH	WEIGHT
<b>DOOR TRACK</b>  <small>*MORE LENGTHS AVAILABLE BY SPECIAL ORDER</small>	14GA. HIGH CARBON STEEL 2-7/8" DIAMETER 7/16" SLOT KEYHOLE MOUNTING	N/A	DT10 DT12 DT16	10' 12' 16'	20.0# 24.0# 32.0#
<b>DOOR TRACK BRACKET</b> 	MOUNTS A SINGLE RUN OF TRACK W/OUT A COVER 2' SPACING. ATTACHES WITH LAG BOLTS	150	DTB	N/A	0.20#
<b>FACE MOUNT BRACKET</b> 	MOUNTS A SINGLE RUN OF TRACK WITH COVER 2' SPACING. ATTACHES WITH LAG BOLTS	65	FMB	N/A	0.40#
<b>TOP MOUNT BRACKET</b> 	MOUNTS ON TOP OF TRACK BOARD OR ON OUTER TRACK FOR DOUBLE TRACK SYSTEM, TO HOLD TRACK COVER ON	55	TPMTBRK	N/A	0.30#
<b>SINGLE UNIVERSAL BRACKET</b>  <small>*SPECIAL ORDER ONLY</small>	MOUNTS A SINGLE RUN OF TRACK W/OUT COVER ATTACHES WITH LAG BOLTS	24	DTBSU	N/A	0.90#
<b>DOUBLE TRACK BRACKET</b> 	MOUNTS TWO PARALLEL RUNS OF TRACK. IF USING COVER APPLY TOP MOUNT BRACKET ATTACHES WITH LAG BOLTS	12	DBLTRKB	N/A	3.00#
<b>TRACK END CAP</b> 	CAPS THE END OF THE TRACK TWO NEEDED PER TRACK RUN	20	ENDCAP	N/A	0.30#
<b>TRACK COVER</b> 	USED TO COVER SLIDING DOOR AND TRACK SYSTEMS. ATTACHES WITH A FACE MOUNT BRACKET.		TC	10'	6.97#
<b>DOUBLE TRACK COVER</b> 	USED TO COVER SLIDING DOUBLE DOOR AND TRACK SYSTEMS. ATTACHES WITH A TOP MOUNT BRACKET ON THE OUTER TRACK.		DTC10	10'	9.91#

NOTE: PLEASE ASK AN ASSOCIATE FOR DETAILS



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# SLIDING DOOR TRACK & ACCESSORIES

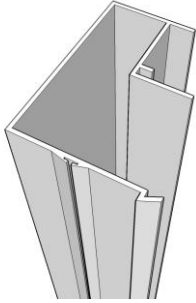
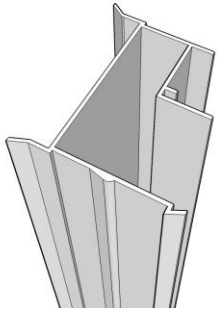
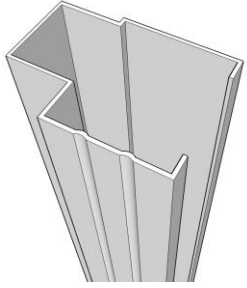
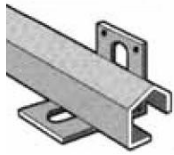
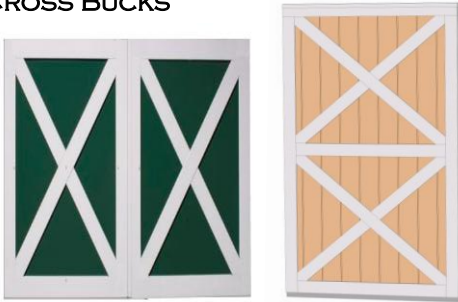
ITEM	DESCRIPTION				
	GENERAL	BOX COUNT	PRODUCT ID	LENGTH	WEIGHT
<b>TROLLEY</b> 	9-1/2" ADJUSTABLE BOLT HOLDS 450 LBS PER PAIR LOW FRICTION DELRIN ROLLERS 1 PAIR PER BAG	50	TROLLEY	N/A	4.50#  * per pair
<b>TROLLEY W/BRACKET</b> 	ZINC-PLATED DOOR STRAPS HOLDS 450 LBS PER PAIR INCLUDES TWO END CAPS LOW FRICTION DELRIN ROLLERS	2	TROLLEYB	N/A	6.10#  * per pair
<b>DOOR HANDLE</b> 	WHITE ENAMEL FINISH 1 1/4" x 6 5/8"	60	DHANDLE	6-5/8"	0.50#
<b>7" ADJUSTABLE JAMB LATCH</b> 	HEAVY DUTY BASE PLATE FOUR MOUNTING HOLES ADJUSTABLE BOLT RIGHT OR LEFT APPLICATION	16	JLATC	7"	1.00#
<b>GATE, STALL LATCH</b>  <small>*SPECIAL ORDER ONLY</small>	REVERSIBLE FOR EITHER HAND 1/2" x 10" STEEL BOLT CAN BE PADLOCKED	20	GLATCH	N/A	1.70#
<b>CENTER DOOR SNUGGER</b>  <small>*SPECIAL ORDER ONLY</small>	HELPS ELIMINATE DOOR RATTLE CAN BE USED WITH METAL OR WOOD FRAMES.	16	CENTSNUG	N/A	2.00#
<b>DOOR STOP</b> 	10GA. ZINC-PLATED STEEL WHITE VINYL-COATED RECESSED BOLT HEAD ADJUSTABLE FROM 2 3/4"-4 1/4"	18	DSTOP	N/A	1.20#
<b>ADJUSTABLE STAY ROLLER</b> 	8GA. ZINC PLATED STEEL THREE WAY ADJUSTABLE 2" BLACK ROLLER	12	STAYROLL	N/A	1.90#
<b>SPLICE COLLAR</b> 	CONNECTS ONE OR MORE TRACK END TO END ATTACHES TO KEYHOLE ON TRACK	50	SPCOLLAR	N/A	0.60#

NOTE: PLEASE ASK AN ASSOCIATE FOR DETAILS.

# MAC

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# SLIDING DOOR FRAMES

ITEM	DESCRIPTION			
	GENERAL	PRODUCT ID	LENGTH	WEIGHT
<b>SIDE RAIL</b> 	FRAMES THE SIDES OF SINGLE DOORS 14GA. ALUMINUM WHITE ENAMEL FINISH SLOTTED FOR 2X GIRTS & TOP RAIL RECEIVES MAC-RIB PANELS 10 PER BOX	SR10 SR12	10' 12'	7.60# 9.12#
<b>H-RAIL</b> 	USED FOR SPLIT DOORS 14GA. ALUMINUM WHITE ENAMEL FINISH SLOTTED FOR 2X GIRTS & TOP RAIL RECEIVES MAC-RIB PANELS COUPLES THE SIDE RAIL & CREATES A TIGHT SEAL 5 PER BOX  <small>*ITEM AVAILABLE BY SPECIAL ORDER ONLY</small>	HR10 HR12	10' 12'	9.30# 11.2#
<b>BOTTOM RAIL</b> 	USED AS THE BOTTOM FRAME OF DOOR 14GA. ALUMINUM WHITE ENAMEL FINISH SLOTTED TO RECEIVE SIDE RAIL LEDGE TO SUPPORT MAC-RIB PANELS CAN BE USED WITH GUIDE RAIL OR STAY ROLLER 5 PER BOX	BR10 BR12	10' 12'	10.0# 12.0#
<b>GUIDE RAIL</b> 	CONTINUOUS GUIDE SYSTEM INCLUDES FASTENERS & BRACKETS CAN BE SPLICED END TO END USED IN CONJUNCTION WITH BOTTOM RAIL	GR6HRDWR	6'	11.0#
<b>CROSS BUCKS</b> 	29GA. PAINTED STEEL 2 1/2" WIDE HEMMED ON EACH SIDE EASY INSTALLATION COLOR MATCHED	DF10 DF12 DF14 DF16	10' 12' 14' 16'	2.06# 2.48# 2.89# 3.30#

NOTE: PLEASE ASK AN ASSOCIATE FOR DETAILS.



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# DOORS & ACCESSORIES

ITEM	DESCRIPTION			
	GENERAL	DIMENSIONS*	PRODUCT ID	WEIGHT
<b>STEEL DOOR</b>		3'		
	<ul style="list-style-type: none"> <li>- 16GA. PAINTED STEEL FRAME</li> <li>- 26GA. SMOOTH STEEL SKIN</li> <li>- 1-5/8" INSULATED ROLLED-EDGE PANEL</li> <li>- R-VALUE OF 12+</li> <li>- PRE-HUNG 4-WAY UNIVERSAL SWING</li> <li>- 4" X 4" STAINLESS STEEL HINGES</li> <li>- 2-3/4" BACKSET FOR STANDARD LOCKSET</li> <li>- ADJUSTABLE STRIKE PLATE</li> <li>- NON-COLLAPSIBLE NYLON LOCKSET INSERT</li> </ul>	38" x 81 3/16"	3STEEL	85.0#
		4' *SPECIAL ORDER ONLY		
		49 15/16" x 80 7/8"	4STEEL	105#
<b>ALUMINUM DOOR</b>		3'		
	<ul style="list-style-type: none"> <li>- MILLED ALUMINUM FRAME</li> <li>- TEXTURED STEEL SKIN</li> <li>- 1-5/8" INSULATED PANEL</li> <li>- RIGHT OR LEFT, IN OR OUT SWING</li> <li>- 4" X 4" STAINLESS STEEL HINGES</li> <li>- 2-3/4" BACKSET FOR STANDARD LOCKSET</li> <li>- 3-1/2" UNIVERSAL PRE-HUNG JAMB</li> <li>- UNIVERSAL HEADER AND THRESHOLD</li> <li>- ADJUSTABLE STRIKE PLATE</li> <li>- NON-COLLAPSIBLE NYLON LOCKSET INSERT</li> </ul>	37 9/16" x 81 3/16"	3ALUM	53.0#
		4' *SPECIAL ORDER ONLY		
		49 7/8" x 82"	4ALUM	65.0#
<b>STEEL DOOR WITH WINDOW</b>		3' *SPECIAL ORDER ONLY		
	<ul style="list-style-type: none"> <li>- 16GA. PAINTED STEEL FRAME</li> <li>- 24GA. SMOOTH STEEL SKIN</li> <li>- 20"X24" WINDOW</li> <li>- 1-3/4" INSULATED ROLLED-EDGE PANEL</li> <li>- IN OR OUT SWING</li> <li>- 4" X 4" STAINLESS STEEL HINGES</li> <li>- 2-3/4" BACKSET FOR STANDARD LOCKSET</li> <li>- 3-1/2" UNIVERSAL PRE-HUNG JAMB</li> <li>- ADJUSTABLE STRIKE PLATE</li> <li>- NON-COLLAPSIBLE NYLON LOCKSET INSERT</li> </ul>	38" x 81 3/16"	3STEELW	110#
<b>STEEL DOOR W/9-LITE WINDOW</b>		3' *SPECIAL ORDER ONLY		
	<ul style="list-style-type: none"> <li>- 16GA. PAINTED STEEL FRAME</li> <li>- 24GA. SMOOTH STEEL SKIN</li> <li>- 9-LITE PANEL</li> <li>- 1-3/4" INSULATED ROLLED-EDGE PANEL</li> <li>- IN OR OUT SWING</li> <li>- 4" X 4" STAINLESS STEEL HINGES</li> <li>- 2-3/4" BACKSET FOR STANDARD LOCKSET</li> <li>- 3-1/2" UNIVERSAL PRE-HUNG JAMB</li> <li>- ADJUSTABLE STRIKE PLATE</li> <li>- NON-COLLAPSIBLE NYLON LOCKSET INSERT</li> </ul>	38" x 81 3/16"	3STEEL9	110#
<b>LOCKSET</b> 	<ul style="list-style-type: none"> <li>- BRUSHED NICKEL FINISH</li> <li>- STAINLESS CONSTRUCTION</li> <li>- FOR DOORS 1-3/8" TO 1-3/4"</li> <li>- 2-3/4" AND 2-3/8" BACKSETS</li> <li>- KEYS INCLUDED</li> </ul>	N/A	LS	1.22#

\* DIMENSIONS ARE ROUGH OPENINGS. DOOR SERIES SUBJECT TO CHANGE WITHOUT NOTICE. PLEASE ASK AN ASSOCIATE FOR DETAILS.



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# TOOLS & ACCESSORIES

ITEM	DESCRIPTION			
	GENERAL	BOX COUNT	PART NUMBER	WEIGHT
<b>TURBO SHEAR HD</b> 	HEAVY DUTY SHEAR FITS CORDLESS AND CORDED DRILLS 18GA. RATING ADJUSTABLE BLADE & ALUMINUM ARMS 6 PER BOX	6	TSHD	2.62#
<b>TURBO SHEAR REPLACEMENT BLADES</b> 	REPLACEMENT BLADE SET GREASE PACK & ALLEN WRENCH INCLUDED	6	TSHDRB	.450#
<b>ANDY SNIPS</b> 	CARBON STEEL BLADES ALUMINUM FRAME CUTS RADIUS LEFT OR RIGHT CUT	3	SNIP-ANDY	1.25#
<b>ANDY SNIPS REPLACEMENT BLADES</b> 	REPLACEMENT BLADES FOR ANDY SNIPS	6	SNIP-ANDYB	0.20#
<b>MALCO MAX 2006 SNIPS</b> 	RED HANDLE LEFT CUT OFFSET WITH LOCK 6 PER BOX	6	SNIP-RED	1.00#
<b>MALCO MAX 2007 SNIPS</b> 	GREEN HANDLE RIGHT CUT OFFSET WITH LOCK 6 PER BOX	6	SNIP-GREEN	1.00#
<b>MALCO CLASSIC GRIP</b> 	YELLOW & BLACK HANDLE MULTI DIRECTIONAL CUT WITH LOCK 6 PER BOX	6	SNIP-YELLO	.875#
<b>MALCO DRIP EDGE FOLDING TOOL</b> 	18 INCH SEAM FOLDING TOOL USE WITH STANDING SEAM PANELS TWO FOLDING SEAMS (1" & 1 1/2")	N/A	FOLDER	3.7#
<b>RATCHET STRAP</b> 	2" x 27' RATCHET ASSEMBLY FLAT HOOKS 10,000 LB. BREAK STRENGTH 3,000 LB. WORKING LOAD LIMIT	12	RATCHET	5.42#
<b>SLING STRAP</b> 	4" x 10' DOUBLE PLY EYE SLING GREAT FOR HANDLING LONG PANELS 20,000 LB. BREAK STRENGTH 5,400 LB. WORKING LOAD LIMIT	2	SLING	10.0# * per pair
<b>1/4" &amp; 5/16" PREMIUM NUT SETTER</b> 	MAGNETIC HEX HEAD 1 5/8" LONG 100 PER CONTAINER	100	HEX14 HEX516	.038# .044#
<b>1/8" DRILL BIT</b> 	HIGH SPEED STEEL 2 3/4" LONG 12 PER PACKAGE	12	DRILL	.007#

NOTE: PLEASE ASK AN ASSOCIATE FOR DETAILS.

# MAC

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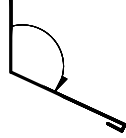
# ANGLE CALCULATOR

## APPLICATION

RIDGE



TRANSITION



VALLEY



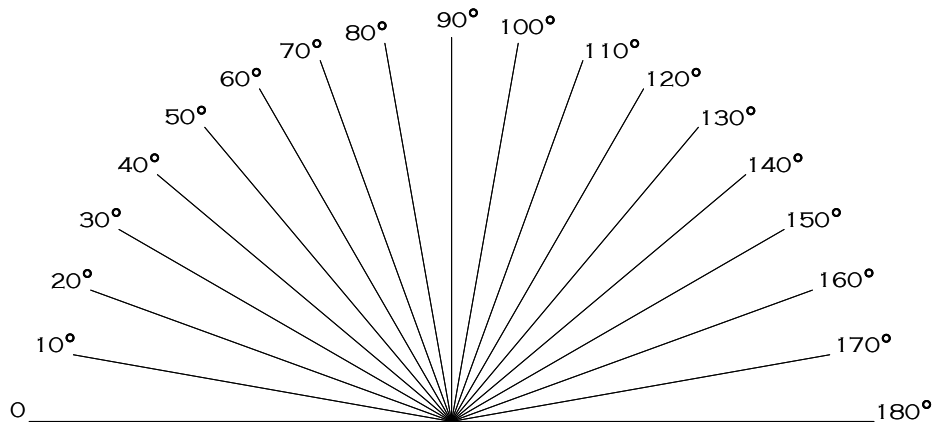
EAVE



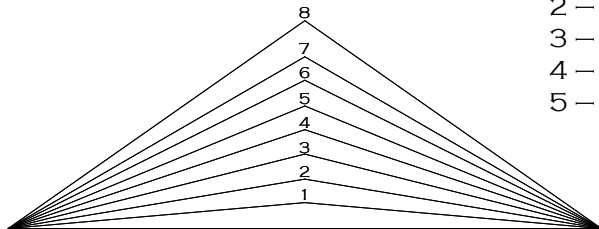
HIP



	ROOF SLOPE											
	1:12	2:12	3:12	4:12	5:12	6:12	7:12	8:12	9:12	10:12	11:12	12:12
HIP & VALLEY	173°	166°	160°	154°	148°	143°	138°	133°	129°	126°	123°	120°
RIDGE	170°	161°	152°	143°	135°	127°	120°	113°	106°	100°	95°	90°
EAVE & TRANSITION	94°	99°	104°	108°	112°	116°	120°	123°	126°	129°	132°	135°

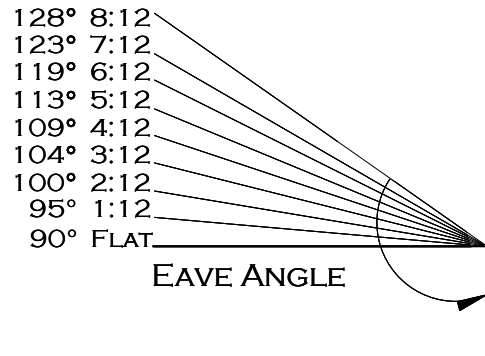


- 1 – DIMENSION EACH SEGMENT
- 2 – LABEL DEGREES OF EACH ANGLE
- 3 – USE DEGREES ON THE INSIDE OF THE ANGLE FROM LINE
- 4 – INDICATE PAINTED SIDE WITH AN ARROW
- 5 – COST IS CALCULATED BY TOTAL GIRTH



RIDGE ANGLE

- 1:12 – 170°
- 2:12 – 161°
- 3:12 – 152°
- 4:12 – 143°
- 5:12 – 135°
- 6:12 – 127°
- 7:12 – 120°
- 8:12 – 113°



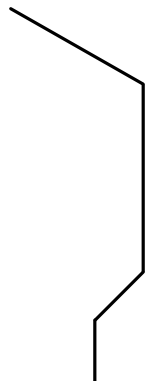
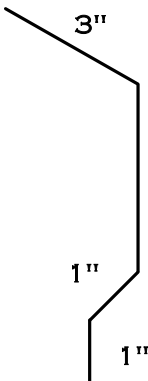
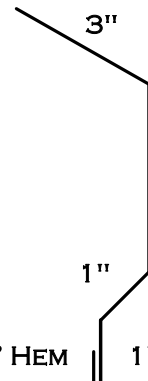

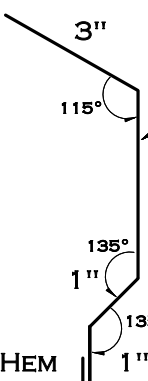
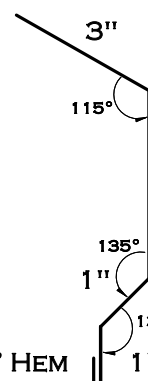
EAVE ANGLE



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# SPECIAL TRIM

## HOW TO ORDER SPECIAL TRIM

		
<p>DRAW EACH SEGMENT AS ACCURATELY AS POSSIBLE TO THE ACTUAL DIMENSIONS AND ANGLES.</p>	<p>LABEL <u>ALL</u> SEGMENTS WITH THE DESIRED LENGTH IN INCHES.</p>	<p>INDICATE ANY HEMS THAT MAY BE NEEDED WITH THE SIZE OF THE HEM DESIRED.</p>
		<p>29GA. 13 - GREEN - 14'-0"</p> 
<p>LABEL <u>ALL</u> ANGLES AND USE DEGREES ON THE INSIDE OF THE ANGLE FROM THE LINE.</p>	<p>INDICATE THE PAINTED OR FINISHED SIDE WITH AN ARROW.</p>	<p>SPECIFY THE GAUGE, HOW MANY NEEDED AND THE COLOR OR FINISH ALONG WITH THE LENGTH.</p>

### CALCULATION AND PRICING

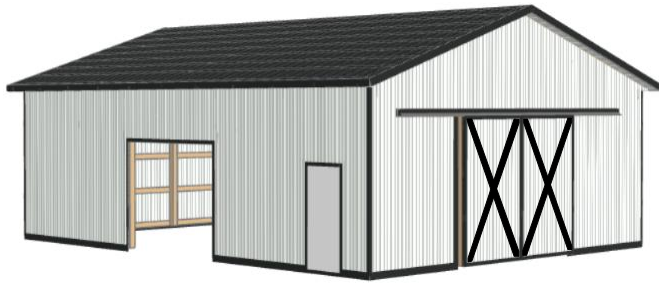
- PRICE IS BASED ON THE TOTAL WIDTH OF THE TRIM BEFORE ANY BENDS.
- ALL TRIM IS ROUNDED TO THE NEAREST EVEN INCH STARTING AT 4" AND UP TO 44" DEPENDING ON THE GAUGE.
- SPECIAL TRIM IS PRICED BY MULTIPLYING THE WIDTH (IN INCHES) X THE PRICE PER INCH X THE LENGTH (IN FEET).  
 EXAMPLE: 4" x \$0.10 (INCH) x 10' = \$4.00 PER PIECE  
 12" x \$0.10 (INCH) x 14' = \$16.80 PER PIECE
- INVOICES WILL BE ITEMIZED IN 10' SECTIONS.  
 EXAMPLE: 1 - 14' WILL BE SHOWN AS 1.4 SPECIAL TRIM  
 4 - 12' WILL BE SHOWN AS 4.8 SPECIAL TRIM
- AVAILABLE IN 10', 12', 14', 16', 18' LENGTHS.
- 29 AND 26 GAUGE AVAILABLE.

**NOTE: PRICE PER INCH IS FOR REPRESENTATION ONLY AND IS NOT A TO BE USED AS A SALE PRICE. OTHER SIZES MAY BE AVAILABLE. CERTAIN COLORS MAY BE LIMITED IN WIDTH. PLEASE ASK AN ASSOCIATE FOR DETAILS.**



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# BUILDING PACKAGES



**GARAGE/STORAGE BUILDINGS**



**CUSTOM BARN**

DESIGN THE PERFECT CUSTOM BUILDING TO MEET YOUR NEEDS.

FROM THE SMALLEST STORAGE SHED TO GARAGES AND SHOW-QUALITY HORSE BARN, THE ONLY LIMIT TO WHAT WE CAN DESIGN IS YOUR IMAGINATION.

LET US SAVE YOU TIME, MONEY, AND STRESS.

CALL OR COME IN FOR A QUOTE TODAY!



**CUSTOM BARNDOMINIUMS**

NOTE: PLEASE ASK AN ASSOCIATE FOR DETAILS.



[WWW.MACMETALSALES.COM](http://WWW.MACMETALSALES.COM)

# MAC METAL ORDER FORM

COMPANY NAME:	P.O. / JOB NAME:	DATE:
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<b>PANEL TYPE</b>	<b>PANEL GRADE</b>
MAC-RIB   HI-RIB   MAC-LOC	#1   10 YEAR

PANEL DESCRIPTION				TRIM, SCREWS & ACCESSORIES					
QTY	COLOR	LENGTH		QTY	COLOR	ITEM	QTY	COLOR	ITEM
		FT.	IN.						
						RIDGE CAP 10'-6"			1 1/2" DOOR POST/FACIA TRIM
						MINI CORNER 10'			3 1/2" DOOR POST/FACIA TRIM
						MINI CORNER 12'			5 1/2" DOOR POST/FACIA TRIM
						MINI CORNER 14'			7 1/4" DOOR POST/FACIA TRIM
						MINI CORNER 16'			TRANSITION 10'
						MINI CORNER 18'			GAMBREL 10'
						CORNER 10'			SIDE WALL 10'
						CORNER 12'			OVERHEAD DOOR TRIM 10'
						CORNER 14'			TRACK COVER 10'
						CORNER 16'			WOOD SCREW 1"
						CORNER 18'			WOOD SCREW 1 1/2"
						GABLE TRIM 10'			WOOD SCREW 2"
						DRIP EDGE 10'			METAL/METAL SCREW 1 1/4"
						BASE ANGLE 10'			STITCH SCREW 3/4"
						RAT GUARD 10'			FOIL/WHITE INSULATION 6X125
						Z - BAR 10'			OUTSIDE CLOSURE
						J - CHANNEL 10'			LOW PROFILE VENTED CLOSURE
						JEFF CHANNEL FOR METAL OR SOFFIT			UNISEAL
						W - VALLEY 10'			MASTIC 3/8" OR 3/4"
				<b>SPECIAL TRIM</b>					



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A NOTE TO OUR VALUED CUSTOMERS:

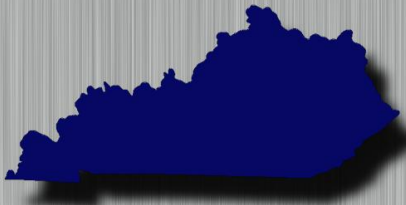
THANK YOU FOR CONSIDERING MAC METAL SALES INC. FOR ALL YOUR METAL ROOFING AND BUILDING MATERIAL NEEDS. WE TAKE GREAT PRIDE IN OUR BUSINESS AND THE QUALITY PRODUCT THAT WE PRODUCE EACH AND EVERY DAY. FAMILY OWNED AND OPERATED SINCE 1989, WE ARE COMMITTED TO HELPING YOU GROW YOUR BUSINESS.

IT IS OUR COMPANY'S MISSION TO PROVIDE YOU, THE CUSTOMER, WITH THE HIGHEST QUALITY PRODUCT AVAILABLE, AT THE MOST COMPETITIVE PRICES, DELIVERED WITH PROFESSIONAL SERVICE THAT IS SECOND TO NONE. IF YOU EVER FEEL AS THOUGH WE HAVE FALLEN SHORT IN ANY OF THESE CORE CONCEPTS, PLEASE DON'T HESITATE TO BRING THAT TO OUR ATTENTION.

IN ORDER TO MAKE YOUR BUYING EXPERIENCE AS SMOOTH AS POSSIBLE, WE HAVE CREATED A POLICY AND PROCEDURE MANUAL THAT WILL ENABLE US TO SERVE YOU BETTER. PLEASE TAKE A MOMENT TO LOOK AT ALL OF OUR PRODUCTS AND ACCESSORIES THAT ARE AVAILABLE TO YOU. ONCE AGAIN, THANKS FOR CHOOSING MAC METAL.

A handwritten signature in black ink that reads 'Corey McGlothlin'. The signature is written in a cursive, flowing style with a small dot above the 'i' in 'Corey'.

COREY MCGLOTHLIN  
PRESIDENT OPERATIONS



## KENTUCKY

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## PENNSYLVANIA

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