



QUALITY & SERVICE
ARE OUR #1 PRIORITIES!



LONG CREEK STEEL

BERESFORD, SOUTH DAKOTA
AND WEST FARGO, NORTH DAKOTA

605-372-3279 • WWW.LONGCREEKSTEEL.COM

THE LONG CREEK STEEL STORY

Long Creek Steel is a locally and privately owned manufacturing facility that roll forms metal roof and wall panels with a large selection of trims and accessories for use in the agricultural, light commercial and residential construction industry.

Long Creek Steel was established in 2004 in Lennox, South Dakota. In 2011, Long Creek Steel broke ground on its new state of the art manufacturing facility, conveniently located on the intersection of I-29 and County Road 140 or exit #56 off of I-29. Upon completion of the new facility, Long Creek Steel began offering even more panel profiles to meet our customer's needs.

What grew from a modest beginning, the company started in a 14,000 square foot facility, with one delivery truck and five employees... now spans over 196,000 square feet and is housed under one roof. With 44 employees and 14 delivery trucks that offers jobsite delivery and has transitioned into a state of the art manufacturing company that fabricates steel components for post frame, residential, industrial, and commercial projects.

The staff at Long Creek Steel has been selected from professionals that have years of knowledge and experience from the metal and post frame component industry, lumberyard management/sales, and in post frame construction.

Long Creek Steel produces 14 different panel profiles with a large number of color selections using Akzo Nobel 1050 paint system, the best in the industry. We provide all the necessary trims and accessories used in the application of our products. This gives our customers a quality metal roofing and wall panel selections. We support our customers with help in estimating, training, and product knowledge to help aid them in becoming better equipped to make and close their sale.

Our goal at Long Creek Steel is to create customer loyalties with our company. We will do this by gaining your trust through the quality of our products, the knowledge, honesty and integrity of our sales and manufacturing staff. We strive to make sure the needs of our valued customers are met. Our company takes pride in the quality and service that we provide to our customers.

Long Creek Steel strives to be a leader in the manufacturing of steel components used in the construction industry by making quality and service our #1 priorities!



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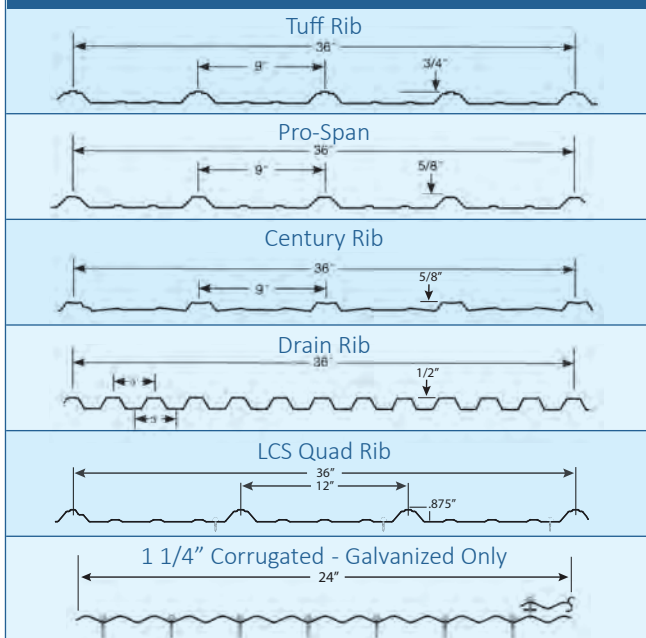
AGRICULTURAL - RESIDENTIAL - LIGHT COMMERCIAL



Product Description

The Agricultural, Residential and Light Commercial Product Line Panels are all 36" wide exposed fastener roof and wall panel systems that can be installed over open frames. Products are available in 29 and 26 gauge materials.

Profiles



Material Specifications

- G60, G90 and G100 Painted Galvanized Steel per ASTM A-653 (29 ga.) and (26 ga.)
- AZ-50 Painted Galvalume Steel per ASTM A-792 (29 ga.) and (26 ga.)
- UL 580 Uplift Resistance Compliance
- UL 790 Fire Resistance Compliance
- UL 2218 Class 4 Impact Resistance Compliance
- Paint System is 40 year Ceram-A-Star 1050 by Akzo Nobel



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Features and Benefits

- Does not require a solid substrate
- Matching trim flashings and accessories
- Custom lengths from 3' to 40'
- Available with an attachment fastener color to match
- Made from 32% recycled material
- Comes in Energy Star listed colors which reduce heating and cooling costs
- Recommended Minimum roof pitch is 3:12 for roof pitched less than 3:12 please contact your local Long Creek Steel representative
- Oil Canning is not a cause for rejection

General Installation Notes

- The panels can be installed over open framing or solid sheathing 1/2" CDX plywood sheathing is the preferred substrate
- If OSB Sheathing is used, additional fasteners will be required
- Exercise caution when unloading bundles. A forklift can dent or puncture the underside of the panels
- Panels should be installed with lap joint facing away from prevailing winds
- When installing the panels as wall sheathing, it is important to prevent the bottom edge from permanently contacting the soil
- Please contact your local Long Creek Steel sales person if you have any other questions

LCS

RESIDENTIAL - LIGHT COMMERCIAL



Product Description

Superior Lock is 12" or 16" wide "Striated" concealed fastener roof panel that doesn't need attachment clips. The major rib height is 1" for the 12" wide panel and 1" & 1 1/2" for the 16" wide panels. The panel is attached to the substrate with #10 low profile pancake screws.

Features and Benefits

- Does not require a seaming tool or clips, just snap and go
- Fasteners are attached to the substrate through slots in the attachment leg of the panel. This permits the panel to address thermal movement in the system
- Matching trim flashings and accessories
- Custom lengths from 4' to 35'
- Architecturally pleasing roof panel system that is installed to the substrate with concealed fasteners
- Installs over 1/2" CDX Plywood or 5/8" OSB with the High Temperature Hydra-Shell Underlayment or High Temperature Ice and water underlayment
- Superior Lock requires no maintenance and will last two or three times longer than conventional composite roof shingles
- The Superior Lock Roof System is environmentally friendly
- Made from 32% recycled material
- Comes in Energy Star listed colors which reduce heating and cooling costs
- Recommended Minimum roof pitch is 3:12
- Oil canning is not a cause for rejection



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RESIDENTIAL - LIGHT COMMERCIAL

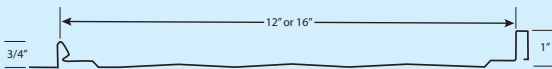


Material Specifications

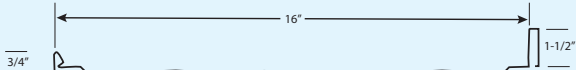
- G60 Painted Galvanized Steel per ASTM A-653 (26 ga.)
- AZ-50 Painted Galvalume Steel per ASTM A-792 (26 ga.)
- UL 580 Uplift Resistance Compliance
- UL 790 Fire Resistance Compliance
- UL 2218 Class 4 Impact Resistance Compliance
- Paint System is 40 year Ceram-A-Star 1050 by Akzo Nobel

Profiles

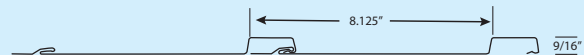
Superior Lock available in both 12" and 16" widths



Superior Lock 1-1/2" rib available in 16" widths



8" Board & Batten



12" Board & Batten



The original Snap Lock profile is still available for a limited time.

Superior Lock Installation Notes

- The panels are fastened along the leading edge of the sheet with #10 x 1" long pancake type headed fasteners. Slots are conveniently placed along the leading edge to ease in the installation process.
- It is important to center the attachment fasteners in the center of the slots to permit proper thermal expansion and contraction of the roof system
- It is recommended that Superior Lock be installed over solid sheathing. Preferably 1/2" CDX Plywood or 5/8" OSB. In case of retrofitting existing roofs, strips of acceptable grade wood or metal sub girts should be used to provide a level surface. It is also recommended that all voids between the furring strips on retrofit projects should be filled with rigid board insulation to prevent and telegraphing of the substrate through the pan portion of the Superior Lock Panel
- It is not recommended to install Superior Lock over open framing
- Please contact your local Long Creek Steel sales person if you have any other questions



LCS

COMMERCIAL



Product Description

PRECISION RIB has 1 1/8" tall major rib spaced at 12" centers and two minor ribs between each major rib. Available in 26 and 24 gauge material only.

PBR PANEL has 1 1/4" tall major rib spaced at 12" centers and two minor ribs between each major rib. Available in 26 and 24 gauge material only.

LCS 7.2 PANEL has continuous 1 1/2" tall major rib spaced at 7.2" centers. Available in 22, 24 and 26 gauge material only.

LCS 2.67 PANEL has continuous 7/8" tall major rib spaced at 2.67" centers. Available in 22, 24 and 26 gauge material only.

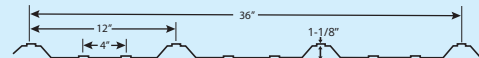


Material Specifications

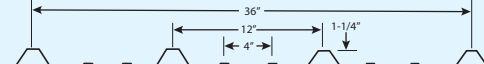
- G60 and G90 Painted Galvanized Steel per ASTM A-653
- AZ-50 Painted Galvalume Steel per ASTM A-792
- Paint System is 40 Year Ceram-Star 1050 by Akzo-Nobel

Profiles

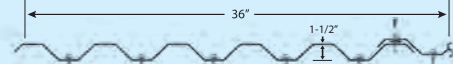
Precision Rib



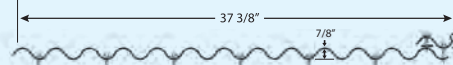
PBR



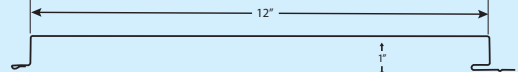
LCS 7.2 Panel



LCS 2.67 Panel



Accent Panel



LCS

COMMERCIAL



Exposed Fastener Panel Installation Notes

- The panels can be installed over open framing or solid sheathing. 1/2" CDX Plywood Sheathing is the preferred substrate
- If OSB Sheathing is used, additional fasteners will be required
- Exercise caution when unloading bundles. A forklift can dent or puncture the underside of the panels
- Panels should be installed with the lap joint facing away from the prevailing winds
- When installing the panels as wall sheathing, it is important to prevent the bottom edge from permanently contacting the soil
- Please contact your local Long Creek Steel sales person if you have any other questions



Features and Benefits

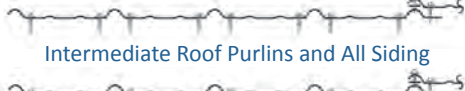
- Does not require a solid substrate
- Matching trim flashings and accessories
- Custom lengths from 3' to 40'
- Great load carry capacity (See load tables for specific allowable loads)
- Available with an attachment fastener colored to match
- Made from 32% recycled material
- Comes in Energy Star listed colors which reduce heating and cooling costs
- Recommended Minimum roof pitch is 1:12 (For roof pitched less than 1:12 please contact your local Long Creek Sales Person)
- Oil canning is not a cause for rejection

The logo for Long Creek Steel, featuring the letters 'LCS' in a stylized, bold, black font. The letters are enclosed within a blue oval border.

INSTALLATION SCREW PATTERNS

TUFF RIB/PRO SPAN

Eaves & Endlaps - Roof Purlins



PBR/PRECISION RIB

Eaves & Endlaps - Roof Purlins



DRAIN RIB

Eaves & Endlaps - Roof Purlins



LCS 7.2 PANEL

Eaves & Endlaps - Roof Purlins



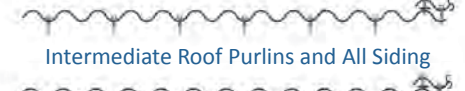
1 1/4" CORRUGATED - GALVANIZED ONLY

Eaves & Endlaps - Roof Purlins



LCS 2.67 PANEL

Eaves & Endlaps - Roof Purlins



CENTURY RIB

Eaves & Endlaps - Roof Purlins



LCS QUAD RIB

Eaves & Endlaps - Roof Purlins



PROPER TECHNIQUE IS KEY

Whether using a pierce-point or self-drilling fastener, proper techniques must be followed for efficient installation and optimum fastener function. Punching or stabbing fasteners through a metal panel is not proper technique! Nails are meant to be driven. Fasteners are designed to be set without impact. Deviation from proper technique will adversely affect the fastener's corrosion resistance, its ability to seal, and structural engineering values such as shear strength, pull-out and pull-over. Improper installation technique negates any applicable warranties.

STEP 1

USE CORRECT TOOLS



- The proper tool for installing self-piercing or self-drilling metal-to-wood fasteners is a corded electric screw gun or cordless battery drill, each 0-2,000 RPM. They should be fitted with a depth sensing nose cone or a torque release clutch. A hex magnetic socket driver should be used that is clean of all metal shavings. A spring retainer socket may be used for non-magnetic fasteners.
- The use of an impact drill drive is strongly discouraged. The use of these drivers will damage the protective barrier coat paint system. They will invalidate published structural values due to the excessive torque applied. They can adversely affect the sealing performance of the washer and damage the metal panel.

STEP 2

SET PLACE DRILL



Proper installation technique is important to maximize the micro-bit performance. Place the point of the fastener on the work surface and pull the trigger on the drill or screw gun. By slowly increasing the RPM, the drill point will begin the cutting process. This will eliminate any potential for screws "walking" on a panel and provide 100% installation success.

STEP 3

LET THE DRILL DO THE WORK

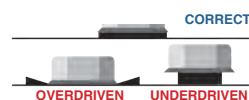


APPLY EVEN PRESSURE

- At no time should an installer try to use the fastener as a "punch" to start the drilling process. This will cause the fastener to "walk" on the metal, possibly scratching the metal panel or flipping out of the drill driver completely.
- The trigger should not be taped in the "on" position, as this may cause the fastener to rotate before it has been placed on the work surface.
- Let the drill point do the work. It will consistently cut the metal, ejecting small shavings, not long metal "pigtales" as with sharp point screws.

STEP 4

SEAT WASHER PROPERLY



VISUAL INSPECTION

To prevent damage to the wood substrate, cause potential strip out of the fastener, the washer should be compressed, but not overdriven. It should be rounded evenly under the flange of the HWH. Driving the fastener perpendicular to the work surface will allow this to happen. If the washer is overly flat, misshapen, or cut, this indicates the fastener has been overdriven. If there is a gap between the washer and the flange of the HWH, this indicates an underdriven condition.

AVAILABLE SCREWS

ECLIPSE WoodBinder



HEAD STYLE
TRUSS
POINT DIAMETER
30° Sharp Point
MAJOR DIAMETER
.206/.200
MINOR DIAMETER
.126/.122
HEAD DIAMETER
.500
ULT. TENSILE STRENGTH
2023 LBS.
MIN. TORSIONAL STRENGTH
75 IN-LBS.
NOM. SHEAR STRENGTH
1653 LBS.

KIRKSEAL WoodBinder



HEAD STYLE
1/4" HWH
POINT DIAMETER
30° SHARP POINT TYPE 17
MAJOR DIAMETER
.210/.200
MINOR DIAMETER
.130/.126
BONDED WASHER DIAMETER
.472
HEAD ACROSS FLATS
.247/.244
ULT. TENSILE STRENGTH
1904 LBS.
MIN. TORSIONAL STRENGTH
60 IN-LBS.
NOM. SHEAR STRENGTH
1547 LBS.

ZXL WoodBinder



HEAD STYLE
5/16" CHWH
POINT DIAMETER
30° SHARP POINT TYPE 17
MAJOR DIAMETER
.210/.200
MINOR DIAMETER
.130/.126
WASHER FACE DIAMETER
.500
HEAD ACROSS FLATS
.311/.305
ULT. TENSILE STRENGTH
1585 LBS.
MIN. TORSIONAL STRENGTH
60 IN-LBS.
NOM. SHEAR STRENGTH
1574 LBS.

SteelBinder



HEAD STYLE
5/16" CHWH
POINT DIAMETER
.181/.177
STITCH .150/.156
MAJOR DIAMETER
.215/.209
STITCH .246/.240
MINOR DIAMETER
.130/.126
STITCH .192/.185
WASHER FACE DIAMETER
.630
STITCH .630
HEAD ACROSS FLATS
.305/.311
STITCH .305/.311
NOM. TENSILE STRENGTH
2240 LBS.
STITCH 2240 LBS.
MIN. TORSIONAL STRENGTH
92 IN-LBS.
STITCH 50 IN-LBS.
NOM. SHEAR STRENGTH
1962 LBS.
STITCH 2850 LBS.

MAXX SteelBinder



HEAD STYLE
5/16" CHWH
POINT DIAMETER
.177/.181
STITCH .181/.177
MAJOR DIAMETER
.215/.209
STITCH .246/.240
MINOR DIAMETER
.164/.157
STITCH .192/.185
WASHER FACE DIAMETER
.555/.545
STITCH .555/.545
HEAD ACROSS FLATS
.305/.311
STITCH .305/.311
NOM. TENSILE STRENGTH
2900 LBS.
STITCH 3800 LBS.
MIN. TORSIONAL STRENGTH
92 IN-LBS.
STITCH 150 IN-LBS.
NOM. SHEAR STRENGTH
1962 LBS.
STITCH 2850 LBS.

LELAND



- Revolutionary design, self drills expansion hole, automatically centers screw in expansion hole, allows installed panels to float, preventing cracking caused by expansion and contraction
- All Master One Steppers are 12-11 diameter with sharp piercing points
- Available with either Hex Washer Heads (1/4" AF) or Low Profile Pancake Heads
- (7/16" O.D.) Quadrex drive, 1-1/4", 1-1/2", 1-3/4", 2", 2-1/4", 2-1/2"
- One Steppers are assembled with Master Seal® 14 mm O.D. aluminum backed cushioning washers
- Available in case Hardened Steel, JS1000 plated or DT2000 Longlife coated
- Carbon steel fasteners are salt spray tested per ASTM B117
- Available in 304 HT High Tensile & 410 Case Hardened Stainless Steel

LCS

BERESFORD, SD • WEST FARGO, ND

STANDARD COLORS

Available Color Choices *Premium Colors



Specialty colors are available in textured and woodgrain options.

DRIPSTOP ADVANTAGES



The DR!PSTOP Solution

The roof panel with DRIPSTOP anti-condensation felt provides a medium for trapping this moisture in the specially designed pockets formed in the membrane. DRIPSTOP holds that moisture (up to 1 quart per 10 square feet) until conditions go back below the dew point and it is released back into the air in the form of normal humidity. DRIPSTOP anti condensation felt is self-adhesive, and is applied to the metal panel in the roll forming process. As a result, DRIPSTOP arrives at the building site already in place and set to be installed with the roofing panels immediately. The membrane is resistant to aging, and also provides an additional layer of protection for your metal roof.

For End Users

- **Money saving** (up to 25% versus traditional solutions)
- **Durability** (DRIPSTOP anti-condensation felt is not susceptible to ripping, tearing or deterioration like standard insulation and vapor barriers are)
- **Easy to clean** (with hose or pressure washers)
- **Helps fight corrosion**
- **Reduces rain and other noises by up to 20%**

For Contractors

- **Time saving** (no need to roll a vapor barrier over the purlins)
- **Easy handling** (no problems with windy conditions)
- **Shipped already applied to steel panel**

Building Must Maintain Proper Ventilation



LCS



Areas Serviced: Iowa, Minnesota, Nebraska,
North Dakota, South Dakota & Wisconsin



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