K-Rib Roofing and Siding

Frontier

APPLICATION INSTRUCTIONS

IMPORTANT INFORMATION

K-RIB FRONTIER panels must be stored in a dry place. Stand K-Rib panels vertically, fanning them out at the bottom to provide the maximum positive air circulation and moisture run-off. If panels must be stored horizontally, they must be kept off the ground on wooden blocks in an inclined position in a totally dry area.

K-RIB panels should be stored outside only when it is absolutely necessary and then only for short periods of time. Canvass or waterproof paper can be used if they provide for adequate ventilation. Plastic tarps, which may produce sweating and condensation thus trapping moisture, should absolutely never be used.

If the above precautions are not taken and moisture becomes trapped on or between the K-RIB panels superficial staining may occur. If the moisture remains in or on the bundle of K-RIB FRONTIER for an extended period, wet-storage stains and or softening of the painted surface may occur. This will reduce the effective life of the panel.

Failure to comply with the above recommended procedures relieves Klauer Manufacturing Company of responsibility for any damage to, or deterioration of, K-RIB FRONTIER panels and voids all warranties.

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CUTTING Installation of K-Rib Frontier will generally require a certain amount of cutting and and trimming on the jobsite, for door and window openings and gable end panels. K-Rib Frontier panels may be cut with a sheet metal snips or with a power circular or jig saw with a metal-cutting blade. Panels should be cut one at a time and should be turned with the exterior surface down and the reverse side up. This will eliminate hot particles and metal filings which occur from the cutting to become embedded in the exterior surface which can result in rust marks on the panel surface. After cutting, all panels should be wiped off to remove any panel particles. This will reduce the occurrence of rust marks and bleeding on the panel after installation.

Lengthwise cutting can be achieved by scoring the panel with a pocket or utility knife and bending the panel back on the score line.

Best results can be accomplished by using a portable shear which conforms to the K-Rib profile. This allows for a near perfect across-the-profile cut.

BENDING To bend K-Rib Frontier panels around a corner, bend back on the peak and thus reverse it to get a long bend. Do not bend forward or down on the peak and thus close up the corrugation.

ROOF SEQUENCE K-Rib Frontier roof panels should be laid on end of the building away from the prevailing wind. This allows the side lap seam of the roof panel to face away from the prevailing wind to provide extra protection from water penetration.

The first K-Rib Frontier panel will determine the alignment of all remaing panels. It is therefore essential to accurately square the the first sheet. The roof panels should overhang the eave by at 3 inches to provide an adequate drip edge.

SIDE LAP 2 inches, with lapping rib completely over the drain feature rib.

END LAP K-Rib Frontier requires a minimum degree of pitch to allow for proper drainage. The minimum roof slope for K-Rib Frontier is 3 inches rise per foot.

If an installation is less than 3 inches rise per foot, sealant should also be used at side laps, and an end lap of 12 inches minimum is required.

Installations having a roof pitch of 3 inches to 4 inches rise per foot require an end lap of 9".

Installations having a roof pitch of 5 inches or more of rise per foot require an end lap of 6".

Do not overdrive nails or screws, as this tends to damage the washer while over compressing the steel If a screw or nail misses a support during installation, remo and fill the hole with sheet metal screws and/or a sealant.

Never drive the screws or nails through the drain-channel, as the result may cause leakage.

SIDEWALL SEQUENCE K-Rib Frontier sidewall panels should be installed the lap joint away from the prevailing wind. Beginning at an opening, such as door or window, will minimize cutting.

It is important that panels do not run all the way to the ground, thus permanently contacting the soil. K-Rib Frontier sidewall panels should lap at least 3 inches over the foundation or water splash board. It is important to use a base of concrete, mortar, concrete block or other materials 12 to 18 inches high and end the sidewall sheets at that point to minimize corrosion of the sheet.

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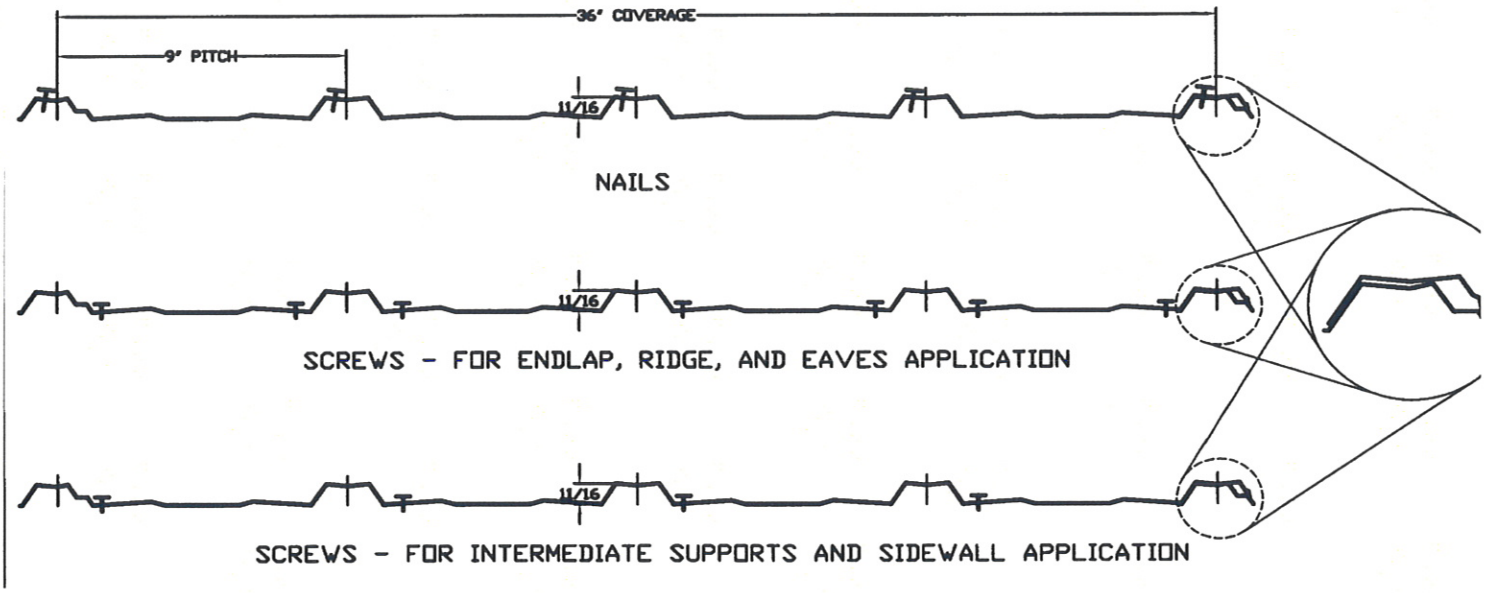
FASTENING

For best results in fastening K-Rib Frontier use galvanized or preprinted galvanized screws or ring-shank nails with flat rubber washers. Use 2 inch or 2-1/2 inch long nails or screws for fastening either the roof or sidewall. Select scew or nail lengths that do not completely go through purlins or girts.

Each K-Rib Frontier panel should be attached completely before starting the next panel.

An approximation of the number of fasteners is 86 screws or 2 pounds of nails per square.

It should be noted that the following diagrams illustrate the most widely used and accepted procedures for fastening K-Rib Roofing and Siding. Other methods may be used and considered acceptable.



SAFETY PRECAUTIONS

Gloves should be worn to prevent injury while handling steel panels. Safety glasses should be worn to prevent eye injury when cutting or drilling steel panels with power tools.

Use care when walking, sitting or kneeling on a steel roof to avoid a fall. Steel panels may become slippery when wet. Do not work on steel panels when wet or when climatic conditions are not suitable for the safe installation.

Failure to comply with these procedures relieves Klauer Manufacturing Company of responsibility for any resultant damage to or deterioration of the product and voids all warranties. There is no implied warranty of merchantability or fitness for purpose.

It should be noted that all references of product warranty herein, pertain to the K-Rib Roofing and Siding panel only, as it pertains to handling and storage of the panel. Klauer Manufacturing Company accepts no liability for, nor does it warranty the actual installation of the panel.

Klauer Manufacturing Company
Established 1870

... quality and service since 1870