

PARROTT'S METAL INC.

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Snap Lock

- How To Begin
- Lapping Requirements
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- Flashings

Tools Normally Required

Screw Guns	Crimp Tool
Magnetic Bits	Marking Pencil
Metal Nibbler or Shear	Skill Saw
Tin Snips	Abrasive Saw Blade
Tape Measure	Safety Goggles
Hammer	Gloves
Chalk Line	Ear Plugs
Drill with Bits	Saw Horses

Miscellaneous

- Components and Applications
- Panel Cutting Procedure
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- Installation Summary

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Installation of 36" Panels

Introduction

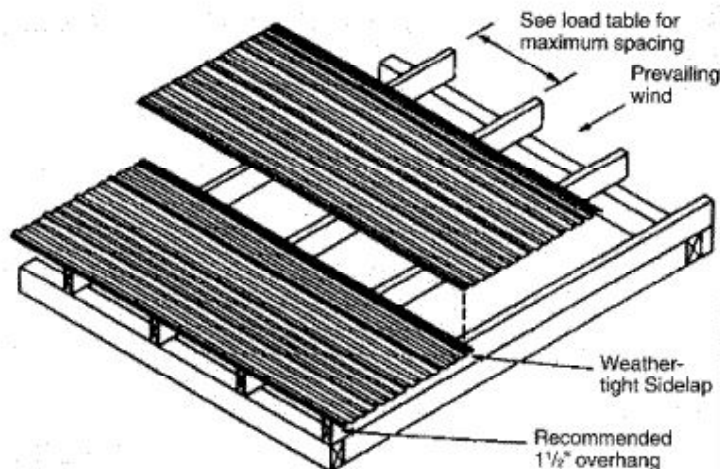
Recommended application procedures for applying metal roofing and siding panels. These procedures pertain to residential and commercial panels for both new construction and repaneling of existing structures. Prior to any application of metal panels it is important that your substructure be square and consists of quality materials. Precautions must be taken to use the proper flashing and fasteners to insure a long lasting and weather-proof roof.

How To Begin

The picture below illustrates the initial steps which should be taken to insure proper panel installation.

- Squareness
- Prevailing
- Wind
- Sidelap
- Overhang

Roofing and siding should be started vertically at the end of the building, opposite from the direction of prevailing wind, check for squareness. For proper sidelap application see [lapping](#) and [flashing](#) detail. Normal panel overhang is 1 1/2 inches from edge of finished sidewall. Grit spacing should be no more than 36" for normal sidewall application. It is recommended that purlin spacing be no more than 24" for normal roof application



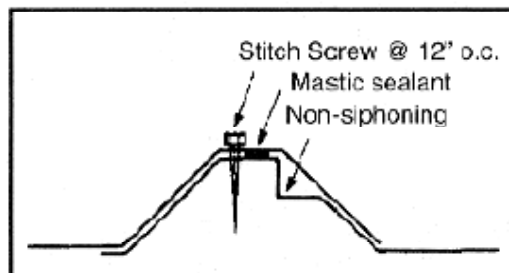
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Lapping Requirements

SLOPE	END LAP LENGTH	SIDE SEALANT	END LAP
3/12 or less	Not Recommended	Required	N/A
Greater than 3/12	12" Minimum	Optional	Required
Sidewall	4" Minimum	Not Required	Optional

Lap Sealants

Side-lap sealant should be used on any roof pitch of 3/12 or less. For complete weather proofing caulk all side and end laps, regardless of the pitch. Side laps should be caulked at the top of the rib, while end laps should be caulked across the width of both the top and bottom panels, below point of fastening, 1" to 2" above end of overlap.



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FASTENERS

Use only fasteners with washers designed for roofing and siding application. Fasten the outside edge first, then the center. This will prevent spreading or creeping of the panels. **DO NOT** overdrive the fasteners so as to dimple or distort the panels. Washer should be in firm contact with the panel.

Screws

Screw fasteners have been proven to have 2 to 3 times the holding power of nails. Screws should have a minimum penetration into wood of 5/8". Generally, 1" screw fasteners are laced in the flat area of the panel at 24" on-center, along the length of the panel and next to each rib approximately 1/2" from the rib. If purlins are spaced over 24" apart, stitching screws are recommended on the lapping rib between the purlins. Application of screws is recommended only through the panels highest rib and should have a minimum penetration into the wood of 1-1/2". Select screw length, for roofing and siding that do not go completely through purlins and girts, Screwing to plywood is not recommended.

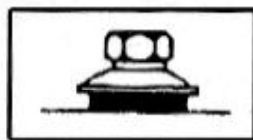
CORRECT

Sealing materials slightly visible a edge of metal washer. Assembly is weathertight.



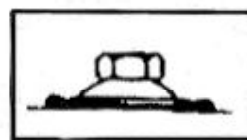
TOO LOOSE

Sealing material not visible. Not enough compression to seal properly.



TOO TIGHT

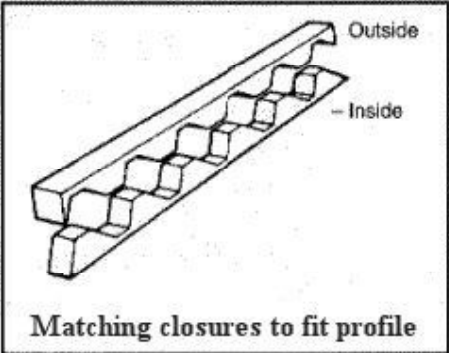
Metal washer deformed. Sealing material extruded beyond edge of washer.



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Closures

Matching or universal closures are available for all panel profiles. Closure application is recommended under ridge cap, end-walls and panels at the eave end.

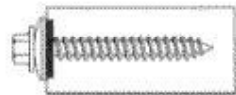
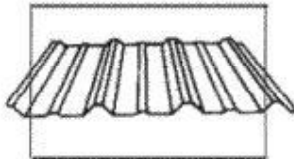


Accessories

Sealants
Tubes of clear caulking
and Butyl tape.



Fasteners
Wood screws
available for all
applications.



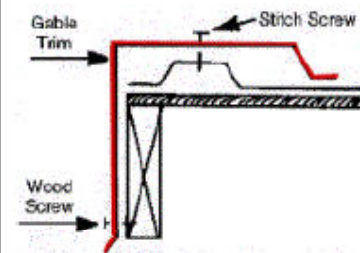
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Flashing

The following illustrations show standard flashing applications.
Custom flashings are available upon request.

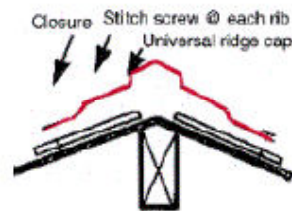
Gable Trim Application

Apply gable trim to both roof sheeting ends. Fasten at top and sides as shown at intervals of 24" o.c. install prior to ridge cap.



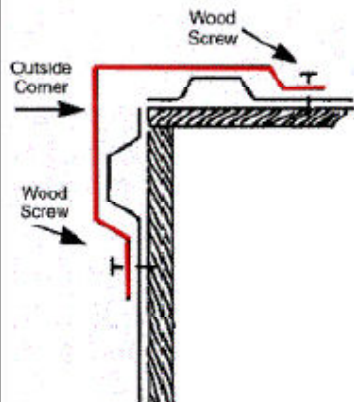
Ridge Cap Application

Apply ridge cap as shown, fastening through cap and roofing at every rib. If using formed ridge cap be certain to align sheets properly. Ridge cap fastens over gable trim.



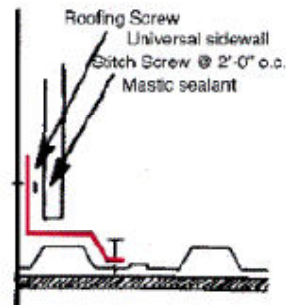
Outside Corner Application

Apply outside corner trim as shown. Fasten both outside edges at 24" o.c..



Sidewall Application

Secure lower leg to sheeting by fastening at 24" intervals. For additional weather tight seal, a bead of caulking or bead mastic may run between flashing and panel. Then fasten leg to wall at 24" intervals.



Flashing (Continued)

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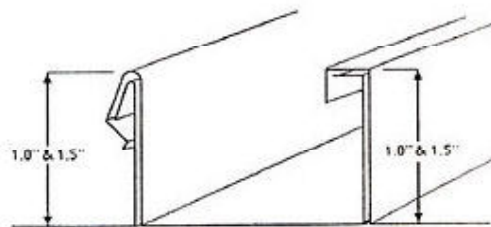
Concealed Fasteners

How To Begin

Prior to installation of new panels, eave trim and W-Valley should be applied. Listed below are the first steps which should be taken to ensure proper panel installation.

- Squareness
- Prevailing Wind
- Side Lap
- Overhang

Roofing panels should be started vertically at the end of the building, opposite from the direction of the prevailing wind, and checked for squareness. It is recommended that panels be installed over solid sheathing with proper vapor barrier. For proper side lap see "Lapping and [Fastening](#) Details ". Normal panel overhang is 1 1/2" from edge of finished sidewall.

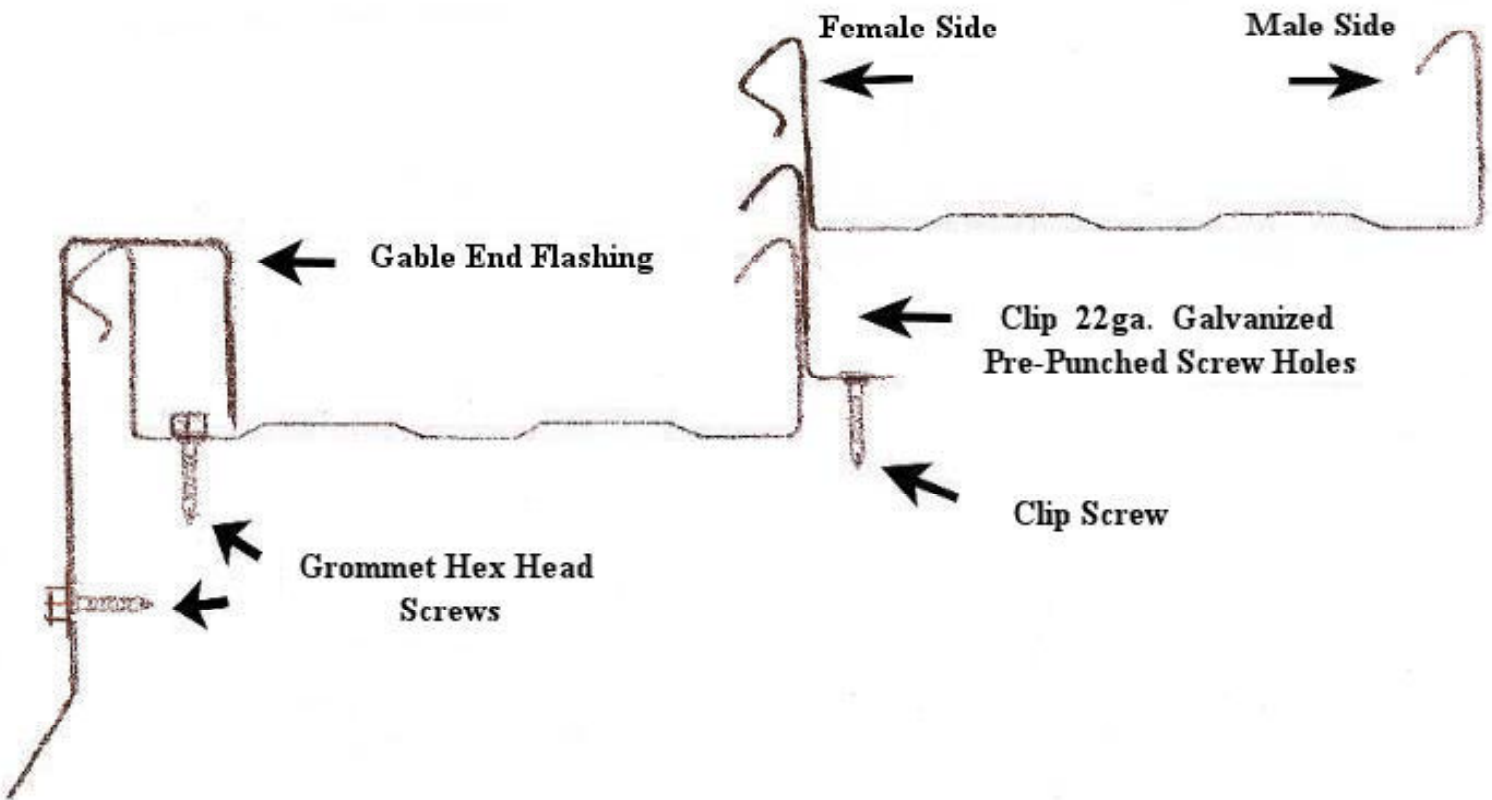


Lapping Requirements

End lapping is **NOT RECOMMENDED!** Panels should be run in full lengths. If end-lapping is necessary, consult authorized dealer for proper procedure.

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Snap Lock Fasteners

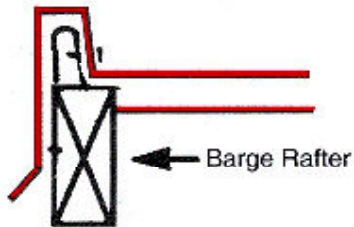


In the wind areas, it is recommended to place the waferhead screw at 12" o.c. for the first 3' distance starting at the low eave end and then return to 24" spacing.

The screw should not be overdriven so as to distort the panel but should be as close to flush as possible. To apply the remaining panels, simply snap the next panel in place and fasten as before. Check routinely for squareness.

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Flashing



Gable Trim Application

Apply gable trim to both ends of roof. Drill 1/8" pilot hole through gable trim into panel rib. Stitch screw gable trim to panel at 24" intervals. If the rib of the last panel does not match up with roof end, trim panel 3/4" past roof end and turn up using crimp tool. Fasten as before. Fasten gable trim to barge rafter at 24" intervals.

Ridge and Hip Cap Application

After securing panels to roof, apply sheeting closure 4" below ridge on both sides of roof. Center ridge cap and secure to each rib with stitch screws.

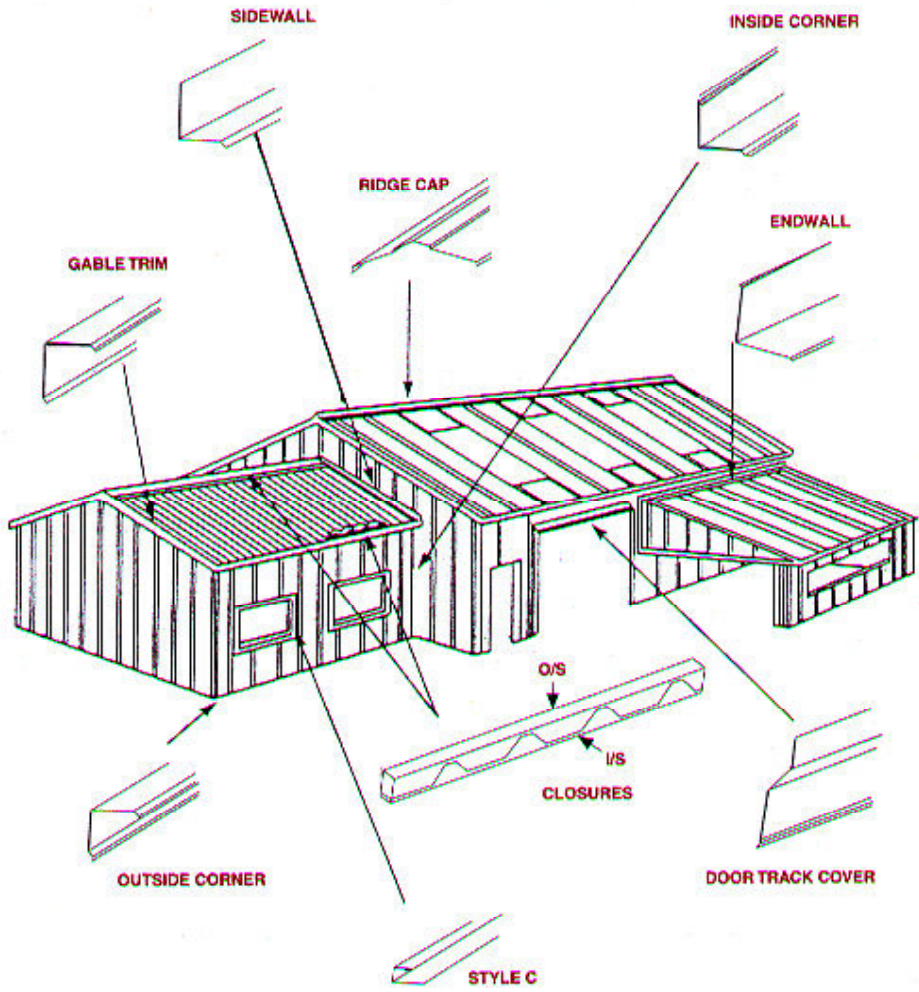


Vented Ridge Cap Application

Leave 4" opening at ridge line and cover with open mesh screen. After securing panels to roof use C-metal to stop end panels 1/2" at ridge line. Center ridge cap and secure to each rib using stitch screws.

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Components & Applications



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Miscellaneous

Panel Cutting Procedure

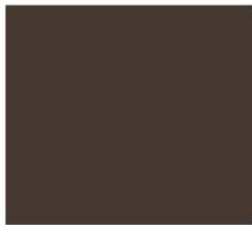
It is recommended that metal panels be cut with an abrasive or metal cutting blade, tin snips or metal shears. Panels should be turned upside-down and held securely while cutting. **ALWAYS WEAR SAFETY GOGGLES when cutting metal panels.** It is imperative to clean metal particles from panel to prevent pitting and rust.

Installation Summary

- Determine quantity and size of panels needed.
- Determine quantity and number of flashings and accessories.
- Install vapor barrier.
- Install eave trim and W-Valley, C-metal if needed.
- Apply pre-cut panels (cut hips and valley as required).
- Install gable trim, sidewall, closure strip, endwall and ridge cap.

Color Chart

Most Popular Colors



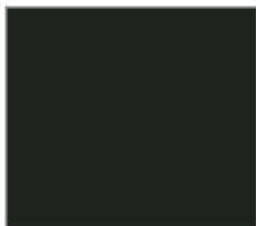
Metro Brown



Coffee Brown



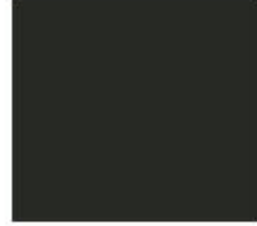
Briarwood Tan



Melchers Green



Old Town Gray



Forest Green

Please contact us for more colors