

## Roofing Installation Guide

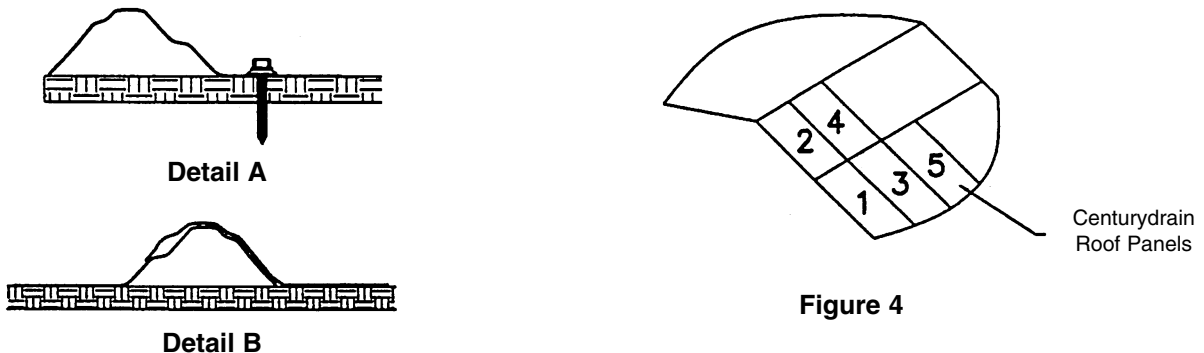
Install flashings prior to panel installation that are to be covered by panel ends such as Drip Edge, W-Valley, Rake or Corner Trim.

Begin laying the roofing panels on the end of the building away from the prevailing wind so that the side lap seams face away from the prevailing wind-driven rain. This provides extra security against water penetration.

The first panel determines the alignment of all remaining panels on the roof, so extreme care must be taken to accurately square the first sheet. The overlapping rib edge should be flush with the edge of the roof (Detail A), and the panel should overhang the eave approximately 1 inch to provide for a drip edge. The side rib with the drain channel should face the direction in which the sheets are being laid down (Detail B). When the panel is positioned, it should be fastened through the first rib, top and bottom. The panel should be attached completely before starting the next panel.

A tip for assuring straight alignment for successive rows of panels is to stretch chalk lines between nails. These lines will serve as guidelines to align panels.

If a roof requires more than one horizontal row of panels, temporarily fasten at two points, not the ends, along main middle ribs of Panel #1 in lower corner. Next, install Panel #2 above and end lapping over Panel #1. Align both panels with chalk line. Install Panel #3 next to Panel #1 side lapping it. Install Panel #4 above Panel #3 side lapping over Panel #2 and end lapping over Panel #3. Check alignment at ridge and eave again. Temporarily fasten all panels; permanently fasten when all panels are in line (Figure 4).



## Fastening

Attachment of panels to the decking substraight is with #9 X 1-1/2" metal to wood sharp point screws with sealing washers. Care should be taken to properly set the screw fastener for a weather tight fit (see Figure 5). Care must also be taken not to overdrive the fastener and strip the thread out in the decking.

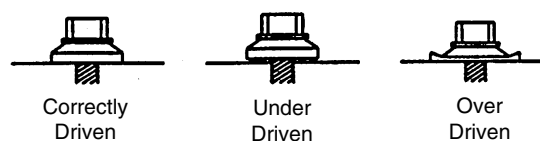


Figure 5