

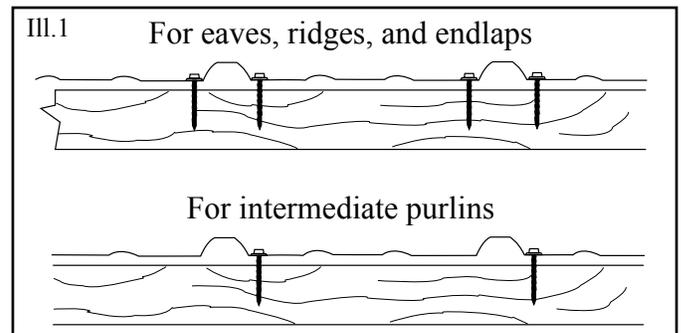
### General Installation Instructions

Before beginning panel installation, make sure that structure is square. Failure to do this may result in improper sealing of panels at side lap. Moist or green lumber is not recommended, as panels can react negatively to the moisture from green lumber. Moist lumber may also cause fasteners to back out. Central States recommends the following tools for on-site shearing of metal panels: Electric nibblers, manual hand shears, and profile shears. Friction saws and abrasive discs should not be used to cut panels. In order to prevent corrosion, loose shavings should be removed from roof surface immediately. Also, to prevent trapped moisture on panels remember to remove leaves, dirt, or other debris after installing roof.

### Fastening

Always use a cover sheet if you are predrilling fastener holes. This will prevent hot shavings from sticking to panels. Do not predrill more than one panel at a time, as this will cause shavings to become embedded in interior panels. For optimal results, use a 1-1/2" wood screw\* with washer in the flat of the panel (See Illustration 1). Drive the fasteners at every purlin so that it is compressed firmly against the metal. Be cautious not to overdrive the fastener, causing a dimple that can collect water, create rust, and leak. If a fastener missed a purlin, remove, and use caulk or stitch screw to fill hole.

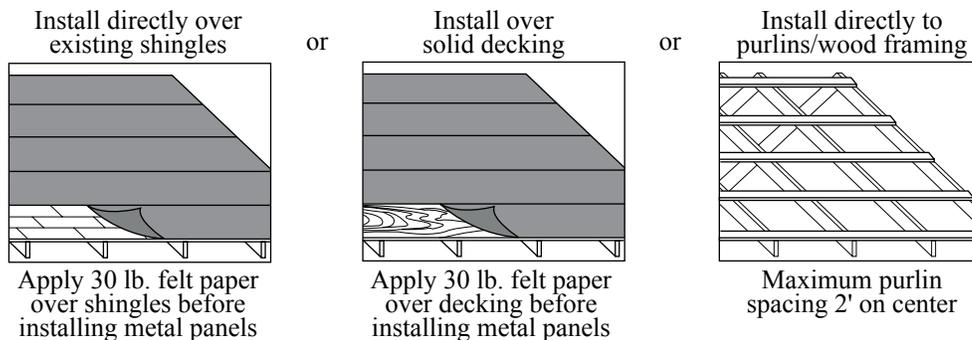
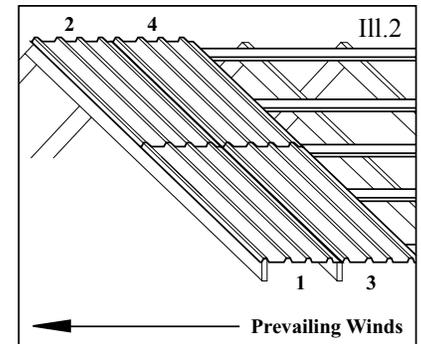
\*Screw length will change depending on the material under the panel.



### Roofing

Panel-Loc™ and Panel-Loc Plus™ are not recommended on roof pitches less than 3:12. When splicing panels for longer lengths, overlap panels 6". When installing panels against forceful wind, the first sheet should be installed along the eave farthest away from the direction of the wind. Side laps should face away from wind (See Illustration 2). Overhang panels 2" at the eave to allow for a drip edge, and remember

to use a closure at the eave and ridge to prevent infestation at the openings. Rake trim should be applied to protect panels against forceful winds. Rake trim will also provide a finished appearance. To prevent leakage on the ridge, use a minimum of 13" coverage on the ridgecap. Apply fasteners on ridge cap at every rib to ensure proper stability. Fasten rake every 2 feet. Butyl tape is recommended along the rake to prevent leakage.



### Siding

Use corner trim, base molding, eave trim, and other trim to improve the weather-tightness and appearance of the structure.

See Light Gauge product guide for load tables and UL ratings. Buyer is responsible for adhering to all applicable code requirements for the area, checking all measurements, and determining suitability of product for each specific project. CSMI is not responsible for any implied warranties.