

# Installation Instructions

## Storage

Store metal panels indoors when possible: if not possible, cover and elevate. Using blocks, elevate one side higher for water drainage. Cover with a tarp or material that can breath. Also use blocks on top, between metal panels and covering, allowing air to circulate. If the metal bundle gets wet, remove the coverings and separate each sheet and allow to dry completely before restacking. Never cover with plastic when storing outside.

## Cutting

Steel panels can be cut using metal snips, electric shears, a portable profile shear, or an electric knibbler.

**Never use a circular saw to cut metal panels. The use of a circular saw will relieve DC Metal Sales of all warranties.**

## Drilling

If drilling is required, be sure to remove all metal filings prior to installing the metal panels.

## Fastening

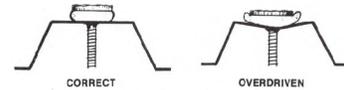
Screws or nails can be used to fasten the metal panels.



**:Screws:** Metal to Wood screws with combination metal and neoprene washers should be installed in the flat area of the panel next to the ribs and should be tightened to proper depth. (see illustration above)

**:Nails:** When using nails to fasten metal roofing panels, drive the nail through the top of the rib so the washer is compressed securely against the metal. Nail placement must be in the ribs for roofing applications to minimize the potential for roof leaks. Overdriving the nail can split the washer and dimple the metal, causing leaks. (see illustration below)

## Fastener Spacing



### :Screws:

The fasteners should be installed next to the ribs. Screws should be spaced at 24" on center. The screws should protrude into the substrate by a minimum of 1".

### :Nails:

The nails should be installed on center of the rib on roofing applications. Nails should be spaced at 24" on center. The nails should protrude into the substrate by a minimum of 1".

## Panel Placement

**:Roofing:** Panel sidelaps should face away from wind driven rain. To accomplish this, begin by installing the first sheet square with the eave and gable at the down wind corner of the roof, farthest away from the source of prevailing winds. Allow the panel end to hang over the eave side a min. of 1" to provide a drip edge.

**:Siding:** When installing the siding, do not run the sheets all the way to the ground. Use a protective base of concrete, masonry, or treated wood and terminate the siding panels approx. 6" above grade. If siding panels are installed horizontally, use sealant tape or butyl tape at vertical laps to ensure weather tight end laps. Install panels from bottom up so that water is directed away from lap joints.

