

PBR PANEL INSTALLATION SPECIFICATIONS

ROOF APPLICATION: Roof slope must be minimum of 2:12 pitch for over plywood or 1x4's and ½:12 pitch for over open purlins.

Note: In residential applications, building codes require a plywood deck with the use of #30 felt to provide adequate thermal and moisture barrier protection. (Batten strips 16" on center attached to a plywood deck is optional in certain applications. Should the building parameters differ from the parameters stated in the fastening schedule, then the fastening calculations must be computed by an engineer to meet the specific wind requirements.)

1. Start at the gable or rake opposite of the prevailing wind. The leading edge should be the uneven rib.
2. It is imperative that the panels be laid in square to ensure proper lapping (many installers pop chalk line 38" from the gable edge running from the ridge to the eave to use as a guide), Caution: Do not apply chalk to panels.
3. **SIDE LAP PROCEDURE:** Please see the side lap detail. Pay careful attention that the uneven rib is over lapped by the uneven rib as shown in the side lap detail.
4. **END LAP PROCEDURE:** When long panels are required, Marlyn recommends the customer to consider end lapping the panels a minimum of 12" to insure proper drainage. Two strips of butyl sealant tape should be used at the end lap and fastened on the uphill side of the strips of butyl sealant tape.
5. **EAVE DETAIL PROCEDURE:** Marlyn recommends the use of an eave flashing with butyl sealant tape above and below the closure strip (inside) which will go between the underside of the roofing panel and the top side of the flashing to avoid water infiltration, See detail.
6. **RIDGE DETAIL PROCEDURE:** The appropriate ridge cap is placed on top of closure strips (outside) with butyl sealant tape above and below the closure fastened through each rib at 12" on center. See detail.
7. **FASTENERS:**

Screws-

Metal-to-Wood Application: Rib panels should be fastened by a minimum of #9-15 x 1-1/2" compatible fastener.

Metal-to-Metal Application: Rib panels should be fastened with a minimum of #12-14 x 1-1/4 hex head screw.

SIDING APPLICATION:

1. Rib panels used as siding are side lapped the same as in the roofing application.
2. It is best to start a siding sheet at a large opening (i.e. sliding door, window, door, etc.) so that the panels are square.
3. Butyl sealant tape is recommended where any closures are required.

TRIMMING AND CUTTING STEEL PANELS: Whether cutting with the profile (length-wise) or across the profile (width-wise), it is best to use hand tin-snips, or an electric nibbler. It is very important to cut panels one at a time with the finish side of the panel facing down on wood blocks. Care should be taken to insure that the hot metal particles and filings from the cutting do not become embedded in the panel.

NOTE: Filings from screw cuttings must also be cleaned off the panels after screws have been applied through the panel to avoid rust marks or "bleeding" on the panels.

Failure to comply with the above procedures relieves Marlyn of responsibility for any damage resulting to, or deterioration of the finish and voids any paint or finish warranty.

NOTE: For slopes less than 3:12, a continuous tape seal is required at all side laps with ¼ - 14 x 7/8" lap tek screws at 24" o.c. to secure panel side laps together.