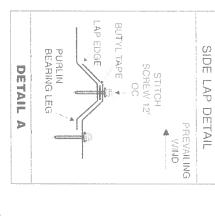
PBR PANEL INSTALLATION GUIDE

PBR PANEL FASTENING RECOMMENDATIONS



DETAIL B
FIELD ATTACHMENT WITH
1" SELF-DRILLER AND 7/8"
STITCH SCREW
OR 11/2" WOOD FAST AND
3'4" STITCH SCREW (EAVES, RIDGES, ENDLAPS), ATTACH WITH WOOD OR METAL FASTENER

PBR Panel can be used for a variety of different applications. Due to its design, it is a roofing and siding profile. When being used as a siding application, please refer to detail C for fastening. As the height on the sidewall may change the on-center attachment recommended, please consult load chart on page 1.

made to help eliminate condensation issues. 1" x 3" yellow pine batten strips are optional and must be attached 12" on center with a #8 x 3" screw 8" on center. Attaching the batten strips with a nail will substantially reduce the pullout or uplift value. The minimum pitch allowed with this panel is 1/12. The vertical attachment should be 16". Special residential note: In residential applications, Millennium Metals recommends the use of a solid deck and 30# felt. This recommendation is

Commercial and Agricultural applications designed over open framing can span up to 4' purlins, depending on the engineering of the framing. Please refer to the load chart on page 1. PBR, though structural, is not sound to walk over open purlins. Please use extreme caution and provide fall protection.

ROOF APPLICATION

Step 1: Make sure the deck is level and square

Step 2: Install Eave Drips/Roof Edge and Valleys according to details. Remember to use inside closure strips between Eave and Panel to eliminate water infiltration. Trim should be fastened 9" on center

method is used when the area covered is not divisible by 3' or traditional placement allows for a Pipe Flashing to occur at a Side Lap. Endlaps A minimum 1" overhang is recommended at the Eave. Alternative method of panel placement may begin in the center of the roof. Often this of Purlin Bearing Leg) after lying first panel check for squareness panel 2 should be lapped over Purlin Bearing Leg of panel 1 with the Lap Edge Step 3; Panel placement should begin on the Gable End opposite of the Prevailing Wind. Starter Edge should be the Lap Edge (Opposite must be a minimum of 12" and two strips of Butyl Seatant is recommended 8" on uphill side of tap to keep watertight.

side of major Ribs for all Eaves, Ridges and Endlaps. When used as a siding panel, attach per detail C Step 4: Fasten panel according to Detail C or D depending on the area of application. Detail D shows additional screws to be spaced on each

as it will cause iron shavings to be spread and adhere to roof panels. Proper cutting should be done exposed panel finished side down Step 5: Any field cutting must be done with metal nibblers, metal snips or blades designed for metal cutting. No cutting should be done on the roof

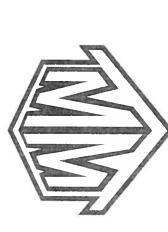
are necessary to maintain watertight seals as is the Butyl Tape on all seams. Inspect screw fasteners to insure that they are installed properly Step 7: Install the remaining accessories such as Pipe Boots, PBR Profile Vent, Ridge Cap and Gable Flashing. Butyl Sealant, Caulking and Closures

Step 8: Field clean the roof surface with broom to be sure any iron shavings are removed

PITCH ALERT!!! PBR PANEL REQUIRES A MINIMUM 1/12 PITCH TO MAINTAIN WATER DRAINAGE. THIS PRODUCT IS CONSIDERED STRUCTURAL, HOWEVER IT IS NOT SAFE TO WALK ON OVER OPEN PURLINS OR BATTENS.

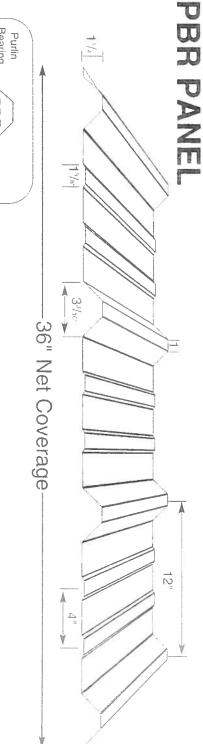
ATTENTION INSTALLER!!! WHEN USING FASTENERS TO PENETRATE STEEL SHEETS THE IRON PARTICLES TEND TO GO AIRBORNE AND SETTLE ON THE SHEET. IT IS NECESSARY TO REMOVE THESE PARTICLES TO PREVENT EMBEDMENT AND RUST MARKS. CORRECT TOO LOOSE TOO TIGHT engineer. The engineering is not a service provided by Millennium Metals and w configuration. Job specific engineering is available for a nominal fee by a structural Code requirements vary from area to area ENGINEERING CONSIDERATIONS and job type as well

| | INSTALLED | PROPERTY | FASTENER IS | WASHER | VISIBLE AT | EDPM MATERIAL |
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| | | OF FASTENER. | BEYOND EDGE | PROTRUDING | PANNED AND IS | EDPMIS |
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| PHONE: 904-358-8366 • WATTS: 1-877-358-7663 • FAX: 904-358-8285 | _ | | | building code for proper procedures so we may assist you with your application. | and the second s | accept no liability as to contracted work between parties. Please consult your local |



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1333 HAINES STREET EXPRESSWAY • JACKSONVILLE, FL 32202 904-358-8366 • WATTS 1-877-358-7663 (ROOF) FAX 904-358-8285



Bearing Leg PBR

PBR Panel is recommended for Roofing and Siding Application

| | | Panel | | PBR | Panel |
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FOOTNOTES: 1. Loads in tables are based on continuous beam over three equal spans

- Deflection loads are based on limiting deflection of span divided by 180 (L/180)
- Wind loads are based on unit stress increased 1.33% over the live load
- Metal thickness is based on minimum AISI specifications for galvanized sheets.

Specifications

PBR PANEL is recommended for siding and roofing. Roof pitch requirement is 1/12 or greater. 718813

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| Gauge | Finishes | Thickness | ASTM & Grade Specifications |
|-------|-------------------|-----------|---|
| 26 | ** PTD Galvalume | .0185 | ASTM A-792 AZ50 Grade 80 Structural Steel |
| 26 | Acrylic Galvalume | .0185 | ASTM A-792 AZ50 Grade 80 Structural Steel |

** HUNTER GREEN and REFLECTIVE WHITE

MILLENNIUM METALS OFFERS A LIMITED 25 YEAR WARRANTY ON PAINTED GALVALUME PANELS CONSULT YOUR DISTRIBUTOR ON REQUESTING WA AND A LIMITED 20 YEAR WARRANTY ON MILL FINISHED GALVALUME PANELS RRANTY.

