



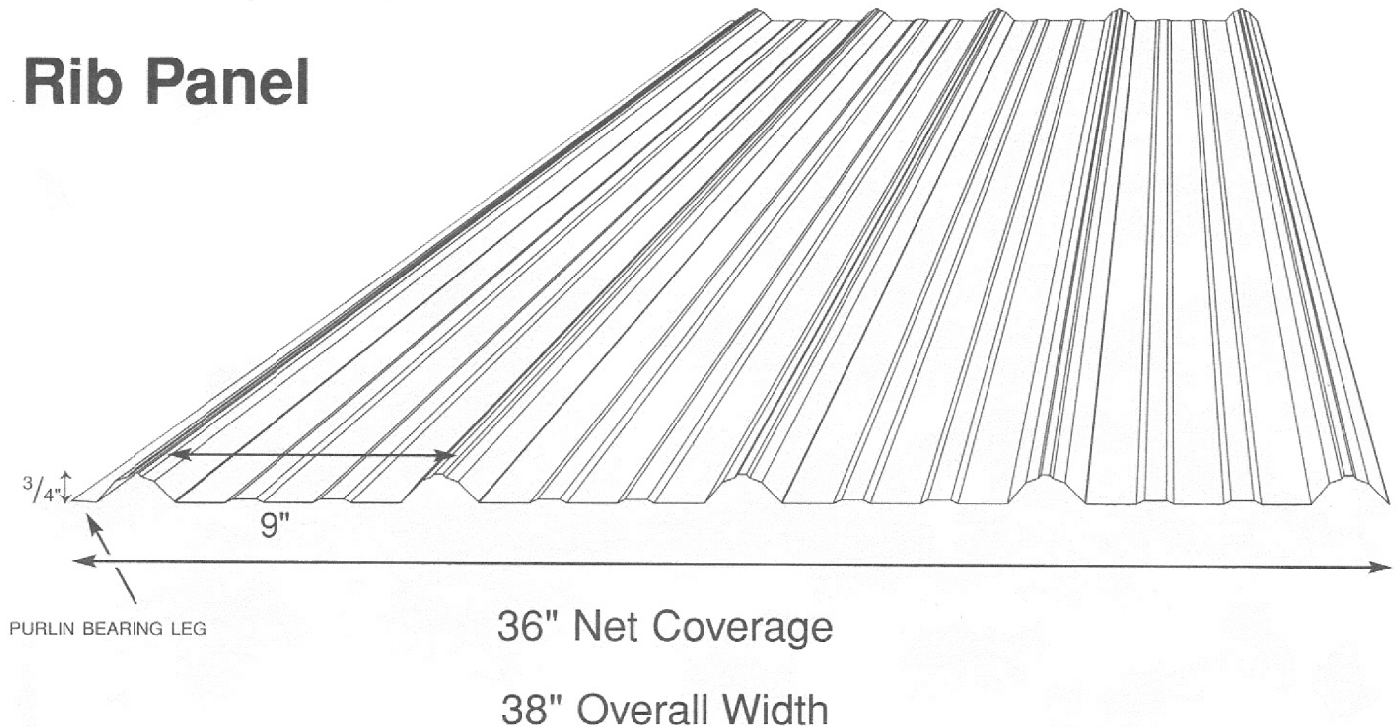
# BENTON metaldepot

**Physical & Shipping:**  
110 Zetterower Road  
Statesboro, GA 30458

**Mailing Address:**  
P.O. Box 805  
Statesboro, GA 30458

**Tel: 912-489-5795**  
**Email: [info@bentonmetaldepot.com](mailto:info@bentonmetaldepot.com)**

## Rib Panel



## Specifications:

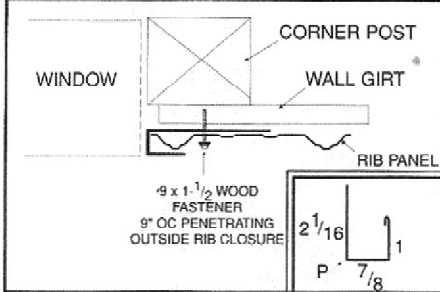
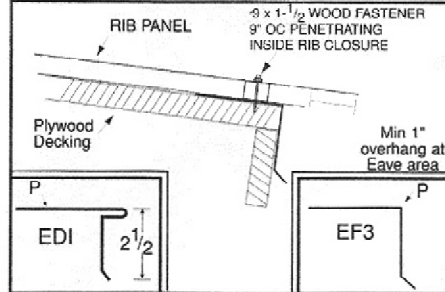
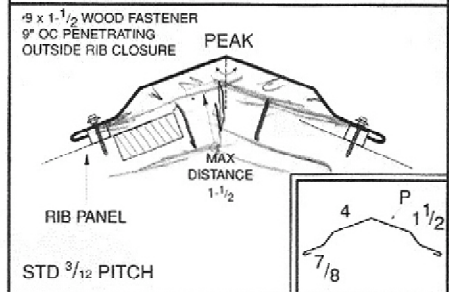
For use on Slopes  $\frac{3}{12}$  or Greater!

Gauge	Finishes	Thickness	ASTM & Grade Specifications
29	Galvanized	.0142	ASTM A-653 Grade 80 Structural Steel
29	* PTD Galvanized	.0142	ASTM A-653 Grade 80 Structural Steel
26	** PTD Galvanized	.0185	ASTM A-653 Grade 80 Structural Steel
29	Acrylic Galvalume	.0142	ASTM A-792 AZ55 Grade 80 Structural Steel
26	Acrylic Galvalume	.0185	ASTM A-792 AZ55 Grade 80 Structural Steel

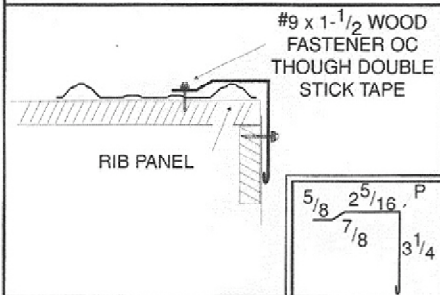
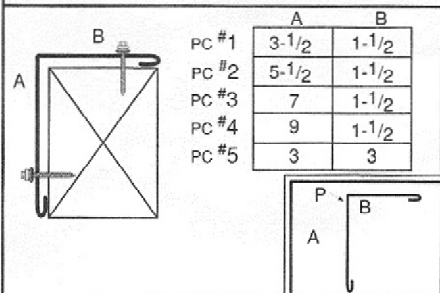
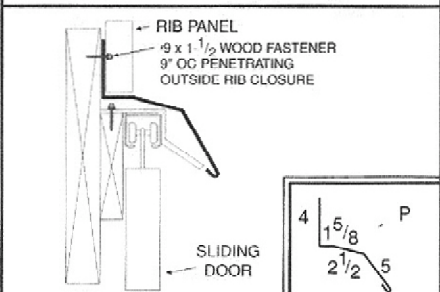
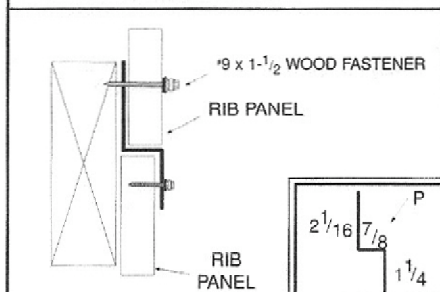
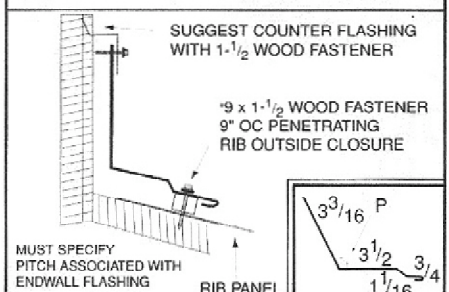
\* RED, WHITE, BLUE, GRAY, HUNTER GREEN, STONE, BROWN, CHARCOAL and TAN.

\*\* WHITE, HUNTER GREEN, GALLERY BLUE, GRAY, STONE, TAN and REFL. WHT.

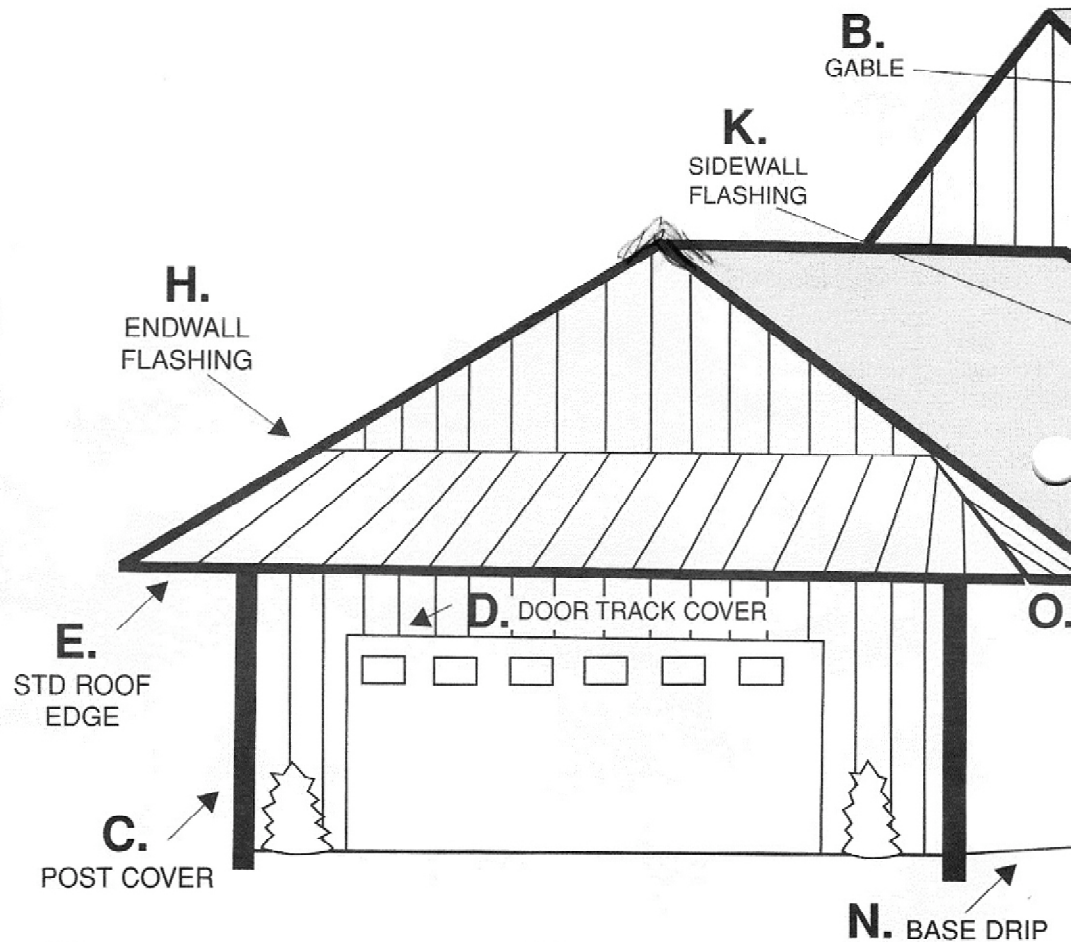
BENTON METAL DEPOT OFFERS A LIMITED 25 YEAR WARRANTY ON PAINTED PANELS

**A.****JC1: STD J-CHANNEL****E.****EF3: 6" STD ROOF EDGE****G.****RC2: FLAT RIDGE CAP**

ANGL
PITCH
2/12
3/12
4/12
5/12
6/12

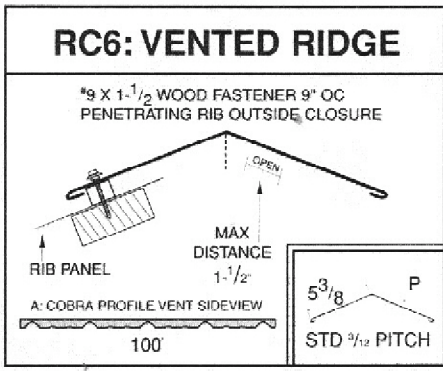
**B.****GR4: STD GABLE TRIM****C.****PC: POST COVER****D.****TC1: TRACK COVER****F.****DA1: DOUBLE ANGLE****H.****EW1: ENDWALL FLASHING**

TRANS
ANGL
PITCH
2/12
3/12
4/12
5/12
6/12

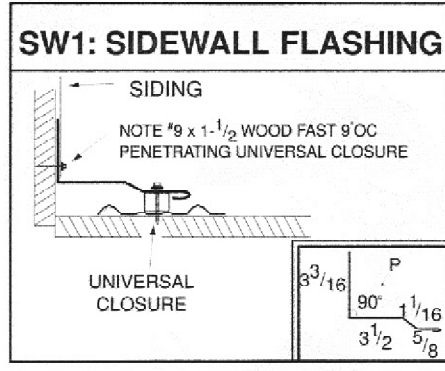


VERSION
ANGLE
161°
152°
143°
134°
127°

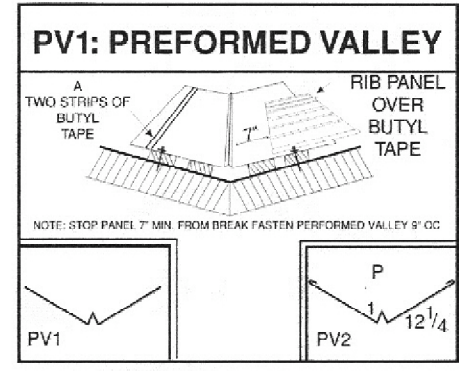
**I.**



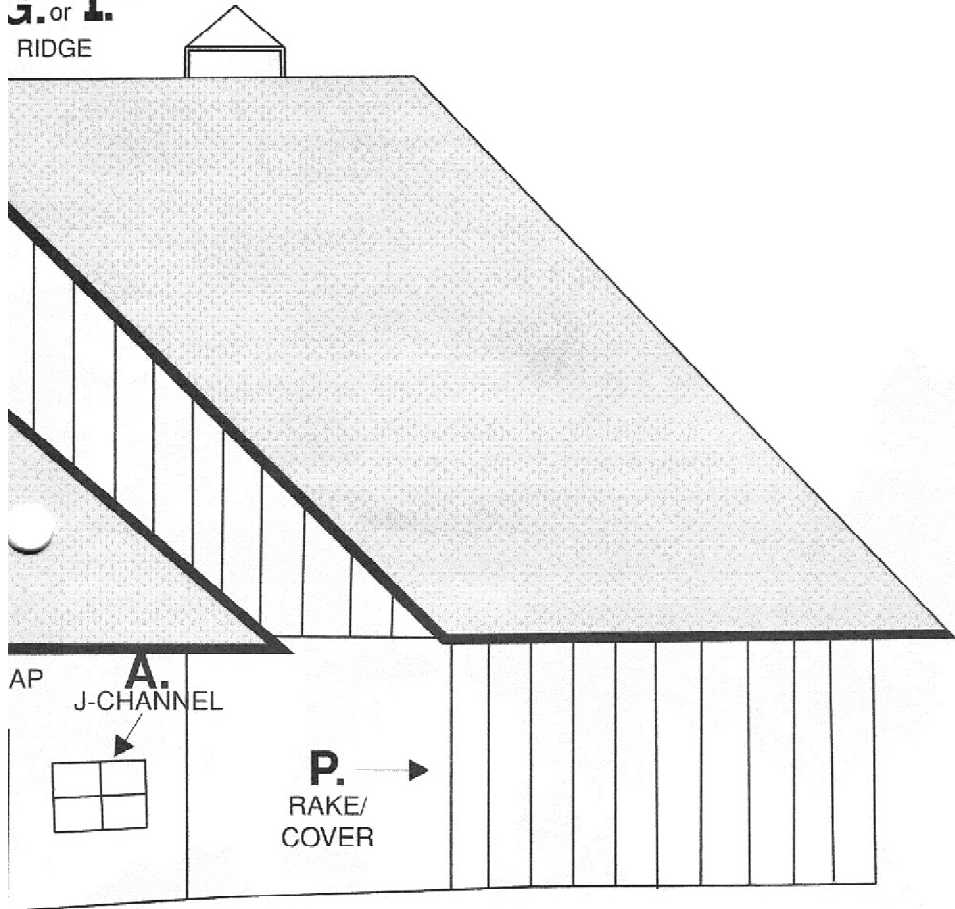
**K.**



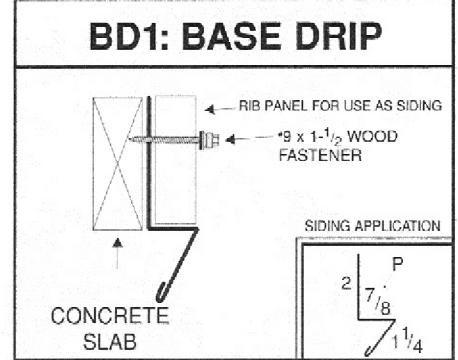
**M.**



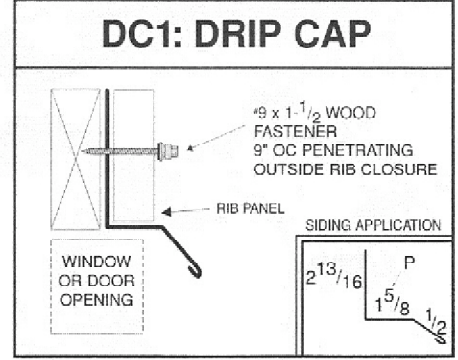
**G. or I.**  
RIDGE



**N.**

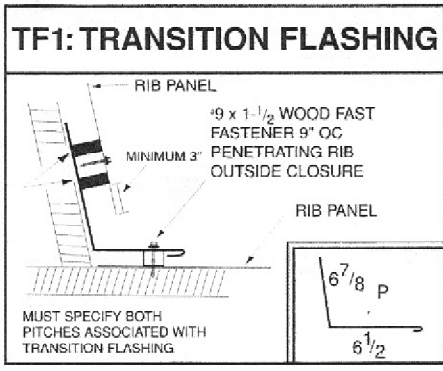


**O.**

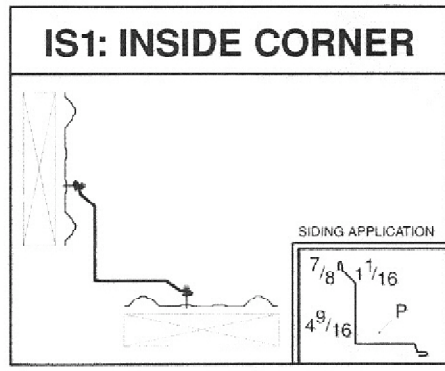


VERSION
ANGLE
99°
104°
108°
113°
117°

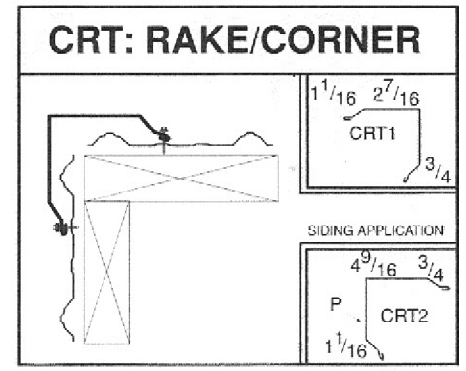
**J.**



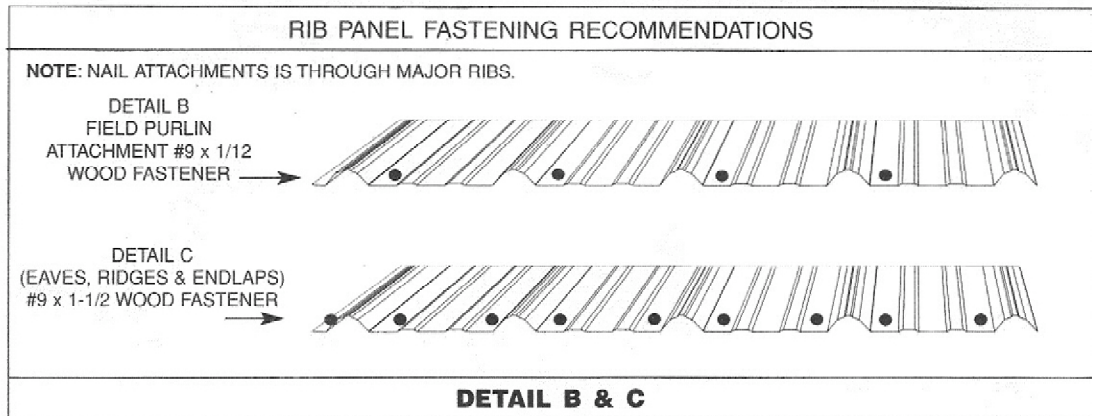
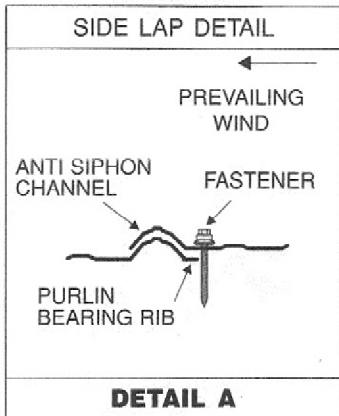
**L.**



**P.**



# RIB PANEL INSTALLATION GUIDE



Benton Metal Depot recommends the use of a solid deck with felt on residential applications. This recommendation is made to help eliminate condensation issues. Battens are optional with solid deck applications or over existing shingles. Note shingles cannot be battened over if more than two layers exist. Roof decking integrity should be checked to insure adequate pull out in **any reroofing** application. Battens should be 1 x 3 yellow pine spaced on 16" centers. Open purlin applications on commercial or agricultural applications should be spaced no more than 24" on center.

**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 7" on center.

**Step 3:** Panel placement should begin on the Gable End opposite of the Prevailing Wind. Starter Edge should be the Lap Edge. (Opposite 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. A minimum 1" overhang is recommended at the Eave. Alternative method of panel placement may begin in the center of the roof. Often this method is used when the area covered is not disabed by 3' or traditional placement allows for a Pipe Flashing to occur in a Side Lap. Endlaps must be a minimum of 12" and two strips of Butyl Sealant is recommended 8" on uphill side of lap to keep watertight.

**Step 4:** Fasten panel according to Detail B or C depending on the area of application. Detail C shows additional screws to be spaced on each side of major Ribs for all Eaves, Ridges and Endlaps.

**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, 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 7:** Install the remaining accessories such as Pipe Boots, Rib Profile Vent, Ridge Cap and Gable Flashing. Butyl Sealant, Caulking and Closures are necessary to maintain watertight seals. Inspect screw fasteners to insure that they are installed properly. (See Detail D)

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

**PITCH ALERT!!!** RIB PANEL REQUIRES A MINIMUM 3/12 PITCH TO MAINTAIN WATER DRAINAGE. THIS PRODUCT IS CONSIDERED STRUCTURAL HOWEVER IT IS NOT SAFE TO WALK ON.

**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.

FASTENERS #9 X 1-1/2 WOOD TYPE		
CORRECT	TOO LOOSE	TOO TIGHT
EDPM MATERIAL VISIBLE AT WASHER. FASTENER IS PROPERLY INSTALLED.	EDPM NOT AT VISIBLE JOINT. NOT ENOUGH COMPRESSION TO MAKE A SEAL.	EDPM IS PANNED AND IS PROTRUDING BEYOND EDGE OF FASTENER.
<b>DETAIL D</b>		

**ENGINEERING CONSIDERATIONS**

Code requirements vary from area to area and job type as well as roof configuration. Job specific engineering is available for a nominal fee by a structural engineer. The engineering is not a service provided by Benton Metal Depot and we accept no liability as to contracted work between parties. Please consult your local building code for proper procedures so we may assist you with your application.