



Case Study: Restaurant

Perky's Cafe

Industry:
Restaurant

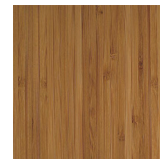
Location:
Jamestown, North Carolina

Architect:
Miro Buzov

In this one of a kind creation, the centerpiece of the space and the focal point of the design is the corner section of the countertop. To create this striking design pattern, multiple layers of natural and amber edge grain plywood were cut and laminated together. It was then carefully shaped and sanded to its finish polished appearance. Next the front panel inserts were fabricated from more edge grain amber plywood, but this time the face grain of the panels were exposed giving the design more room to breathe. The upper cabinets were fabricated from durapalm, coconut palm plywood. Cut-outs were made for wine storage and the cut-out rounds were then used for drink coasters. A very imaginative and resourceful design indeed.



Materials Used:



Amber Edge Grain
Bamboo Plywood
BP-V89BA-NAUF /FSC



Natural Edge Grain
Bamboo Plywood
BP-V489BN-NAUF /FSC



Specifications

Possible LEED Credits:

Low emitting materials and certified wood



Physical / Mechanical Properties - Edge Grain Bamboo Plywood

Dimensions:	3/4" x 48" x 96" 19mm x 1219mm x 2438mm (*mm tolerance +/- .5mm thickness)
Construction:	Three-ply, cross core construction.
Working with Plyboo:	A worksheet is provided with each panel containing useful tips and information and is also available on our website at plyboo.com/downloads .
ASTM E84: Surface Burning	Class C
ASTM D1037: Dimensional Stability	<ul style="list-style-type: none"> • Linear Expansion (3-ply): Parallel -0.04% / Perpendicular -0.07% • Thickness Swell (3-ply): -0.13% Screw Hold (3-ply) (face/back/edge) <ul style="list-style-type: none"> • 742 lbs/ 831 lbs/ 860 lbs average
ASTM D4442: Moisture Content	6-9% average
ASTM D 6007-02: Formaldehyde Concentration in Air from Wood Products, small chamber test	Plyboo = 0.004 ppm (surpasses CARB II standards, 0.05ppm & ULEF standards of 0.04ppm)