



Case Study: Furniture

Partners Desk and Harbor

Industry: Furniture **Location:** Saint Louis, MO **Architect:** Megan Painter

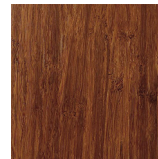
Dramatic Combos

Partners desk mixes Plyboo Havana Strand, with a dark wax to protect the top surface, and Natural Edge Grain plywood to give this handsome desk real character.

Harbor, its companion piece, utilizes the same Havana Strand and Natural Edge Grain exposing the cross core pattern along the edges for a unique look.



Materials Used:



Havana Strand Plywood
BP-4896PD-ULEF/FSC



Natural Edge Grain
Bamboo Plywood
BP-V4896N-ULEF/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)

Physical / Mechanical Properties - Strand 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 -0.09% / Perpendicular -0.07% •Thickness Swell (3-ply): -0.3% Screw Hold (3-ply) (face/back/edge) <ul style="list-style-type: none"> • 1009lbs/ 681 lbs/ 516 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)