



Case Study: Office Building

Orchard

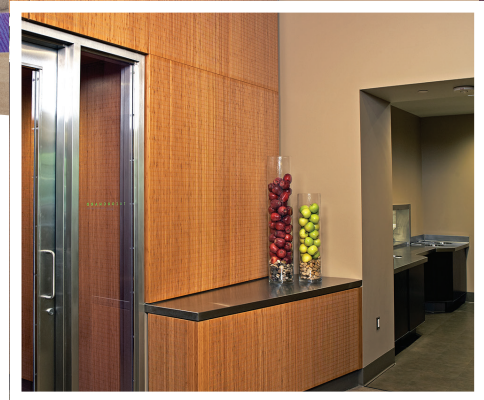
Industry:
Office Building

Location:
Los Angeles, California

Architect:
N/A

Curve Appeal

Besides the obvious challenges in this completely custom curved ceiling installation, is the special light fixtures and air diffuser cut outs. Amber Edge Grain veneer was chosen because of its strength, flexibility and ease of handling.



Materials Used:



Amber Edge Grain
Bamboo Veneer
BVN-4896VA/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) |