



Case Study: Residential

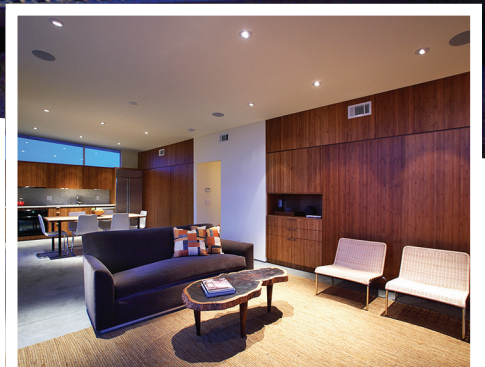
Rock Reach House

Industry:
Single Family Home

Location:
Yucca Valley, California

Architect:
o2 Architecture

Rock Reach is one of the best examples of manufactured contemporary custom homes and represents a long journey from the early days of prefab home construction. For the interiors of this home flat grain amber plywood was used in the cabinetry and wall systems in the living room, dining room, bath and bedrooms. The traditional grain and structure of flat-pressed bamboo offers warmth and contrast to the contemporary lines of this home as well as its rugged desert setting.



Materials Used:



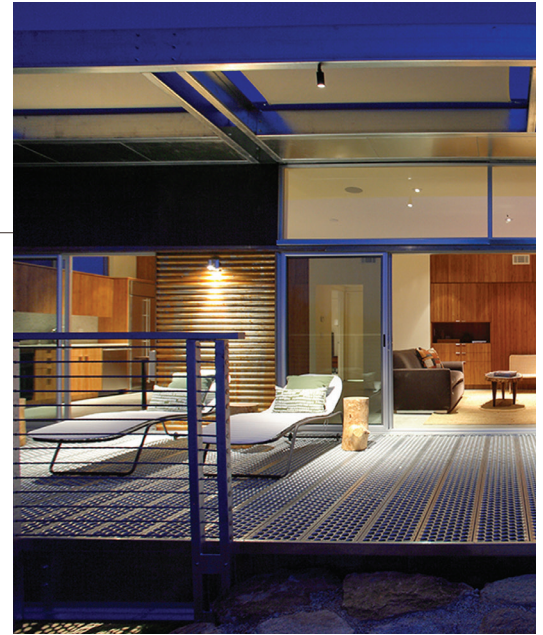
Amber Flat Grain
Bamboo Plywood
BP-4896A-NAUF/FSC



Specifications

Possible LEED Credits:

Low emitting materials and certified wood



Physical / Mechanical Properties - Flat 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)