



Case Study: Commercial

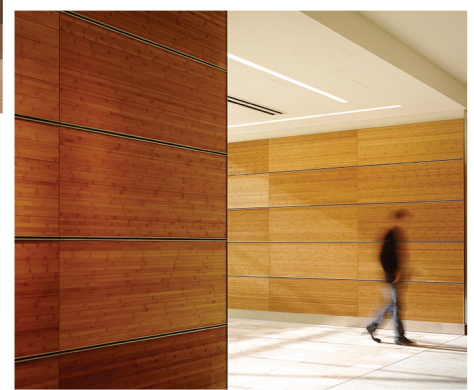
Mission Bay Office Building

Industry:
Commercial

Location:
San Francisco, California

Architect:
Chong Partners/Stantec

Located in the Mission Bay District of San Francisco, this area was formerly home to warehouses, a cement factory and plenty of vacant lots. Now rapidly developing, this area has become home to biotechnology firms, university research centers, office buildings and residential development. For the wall treatments in the lobby area, flat grain amber bamboo plywood was used to clad wall surfaces. To give the panels more definition, the architects had a groove etched into the face of the panels at 6" intervals. Stainless steel horizontal reliefs were also integrated to create added interest and offer room for the panels to expand and contract as needed.



Materials Used:



Amber Flat Grain
Bamboo Plywood
BP-1296A-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)