



## Case Study: Healthcare

# Mass General, Lunder Building

**Industry:**  
Healthcare

**Location:**  
Boston, Massachusetts

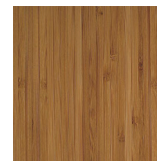
**Architect:**  
NBBJ

Healthcare facilities are moving to a new philosophy of foster wellness by providing a natural feeling environment to promote patient healing. To achieve this goal Plyboo edge grain amber was selected to create a warm, soothing element in the design.

Plyboo was used extensively in the patient recovery rooms, waiting and reception areas as a wall treatment and for shelving and storage units. Durability, indoor air quality and sustainability were key factors in the selection of the material. FSC and Formaldehyde-free certification were also important contributors to this LEED Gold building.



### Materials Used:



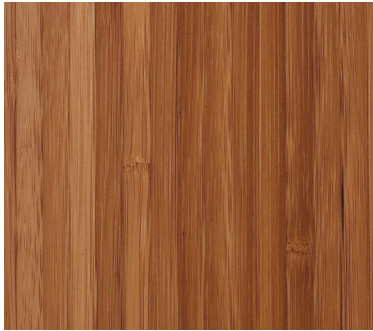
Amber Edge Grain  
Bamboo Plywood  
BP-V4896A-NAUF/FSC



## 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 <a href="http://plyboo.com/downloads">plyboo.com/downloads</a> .
ASTM E84: Surface Burning	Class C
ASTM D1037: Dimensional Stability	<ul style="list-style-type: none"> <li>• Linear Expansion (3-ply): Parallel -0.04% / Perpendicular -0.07%</li> <li>• Thickness Swell (3-ply): -0.13%</li> </ul> Screw Hold (3-ply) (face/back/edge) <ul style="list-style-type: none"> <li>• 742 lbs/ 831 lbs/ 860 lbs average</li> </ul>
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)