



**Case Study: Healthcare** 

## Mass General, Lunder Building

Industry:Location:Architect:HealthcareBoston, MassachusettsNBBJ

Healthcare facilities are moving to a new philosophy to 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 plyboo.com/downloads.
ASTM E84: Surface Burning	Class C
ASTM D1037: Dimensional Stability	<ul> <li>Linear Expansion (3-ply): Parallel -0.04% / Perpendicular -0.07%</li> <li>Thickness Swell (3-ply): -0.13%</li> <li>Screw Hold (3-ply) (face/back/edge)</li> <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)