



*Giving is more than a responsibility - it is a privilege;  
more than an act of obedience - it is evidence of our faith.  
William Arthur Ward*



## Case Study: Medical

# St. Joseph's Regional Medical Center

**Industry:**  
Medical Center

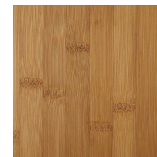
**Location:**  
Mishakawa, Indiana

**Architect:**  
HOK

Warmth and light were what HOK architects and the St. Joseph's Regional Medical Center were looking for when they specified Plyboo amber flat grain bamboo plywood for this expansive reception and waiting area. Plyboo was used in both a horizontal and vertical direction to break up the long wall surfaces adding interest and intimacy to the space. The custom light fixtures fashioned from Plyboo bamboo veneer, emit an amber glow over the room as the center portion of the fixture provides the light.



### Materials Used:



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



Amber Flat Grain  
Bamboo Veneer  
BVN-4896VA-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 <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)