



Photo:Kotaro Mick Miyake Photography

Industry: University
<b>Project Name:</b> University Cafeteria
<b>Location:</b> Memphis, TN
<b>Architect:</b> Tipton Associates
<b>Materials:</b> Amber Flat Grain
<b>Title</b> not the best project



Amber Flat Grain



### Possible LEED Credits:

- IEQc4.3: Low Emitting Materials
- MRc6: Rapidly Renewable Materials
- MRc7: Certified Wood
- CA Section 01350: Passed
- Other: No added urea formaldehyde

### Sahara Strand Plywood Amber Flat Grain Plywood

Physical / Mechanical Properties - Strand Bamboo Plywood	
ASTM E84: Surface Burning	Class C
ASTM D1037 Dimensional Stability: 50% to 90%RH	<ul style="list-style-type: none"> <li>• Linear Expansion (AR to 20% RH): Par. -0.04%, Per. -0.07%</li> <li>• Thickness Swell (AR to 20% RH): -0.13%</li> </ul> ii. Screw Hold (face / back / edge): 742 lbs. / 831 lbs. / 860 lbs. (avg.)
ASTM D3043: Static Bending	i. Density: 50 lbs./ft <sup>3</sup> ii. MOE / MOR (parallel): 268,000 psi / 14,762 psi
ASTM D3500: Tensile Strength	i. Load (parallel / perpendicular): 1,730 lbs. (avg.) / 1,600 lbs. (avg.) ii. Strength (parallel / perpendicular): 5,970 lbs psi (avg.) / 1,060 psi (avg.)
ASTM D4442: Moisture Content:	6% - 9% (avg.)
ASTM D5116-06: Organic Emissions [CA Section 01350]	i. Classroom scenario / Office scenario: Pass / Pass