



## Case Study: Commercial

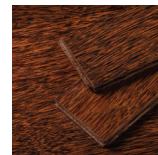
### Copper Station Properties

**Industry:**  
Office building

**Location:**  
Ridgeland, SC

**Architect:**  
LS3P Associates, LTD

#### Materials Used:



Coco Palm  
Flat Grain Flooring  
FL-5872PPN-NAUF

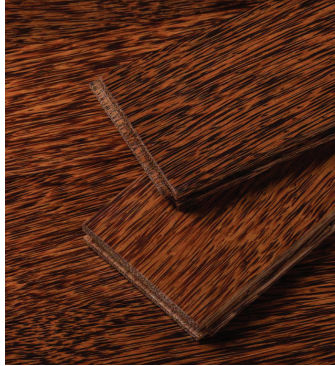
The owners of Copper Station Properties deliberately linked their passion for nature with their appreciation of contemporary design. The design embodies an airy scheme that orients the space around the heart of the office boardroom making sure each employee has a "room with a view". The interior color scheme celebrates nature through forest-inspired colors. An emphasis on natural materials such as Coco Palm Flat Grain flooring completes the look with a flair of the exotic. The result is attractive and practical.



## Specifications

### Possible LEED Credits:

IEQc4.4: Low Emitting Materials  
 CA Section 01350: Passed  
 Other: No added urea formaldehyde



### Physical / Mechanical Properties - Palm Flooring

Dimensions:	5/8" x 3" x RANDOM - 16mm x 76mm x RANDOM
Installation:	Tongue and groove, nail or glue down
ASTM E648: Critical Radiant Flux	Class 1
ASTM D1037: Dimensional Stability	<ul style="list-style-type: none"> <li>• Linear Expansion: Par. -0.01%, Per. -0.30%</li> <li>• Thickness Swell: -0.48%</li> <li>• Hardness (Janka Ball Test): 1,295 lbf (avg)</li> </ul>
ASTM D2394: Coefficient of Friction	Static Coefficient/ Dynamic (Sliding) Coefficient: 0.437 / 0.376
ASTM D3359: Adhesion by Tape Test	Class 4B
ASTM D4060: Taber Abrasion	Average: 22,000 cycles
ASTM: 4442 : Moisture Content	6-9% average
ASTM D5116-06: Organic Emissions [CA Section 01350]	Classroom scenario / Office scenario: Pass / Pass

