



Structural Ipe wood deck tiles are 24" x 24" (nom.) prefabricated panels of 13/16" Brazilian hardwood slats screwed to three solid wood support battens with stainless steel screws. This results in a tile with exceptional strength, durability and resistance to flexing.

Structural Ipe wood tiles are specifically designed to be used with adjustable height pedestals for construction of elevated decks on rooftops or decks over sloping or uneven surfaces.

Alternatively, the tiles can be laid over existing concrete using fixed height spacers to lift the tiles off the surface and ensure good drainage.

Structural Ipe wood tiles can be used for most commercial or residential applications including rooftop decks, elevated terraces, plazas, and other large exterior spaces.

Our structural Ipe wood tiles are exclusively constructed from Brazilian hardwood, not just because of its exceptional durability and hardness, but because of its stability across a broad temperature and humidity range and resistance to twisting and warping.



## CHARACTERISTICS OF BRAZILIAN HARDWOOD

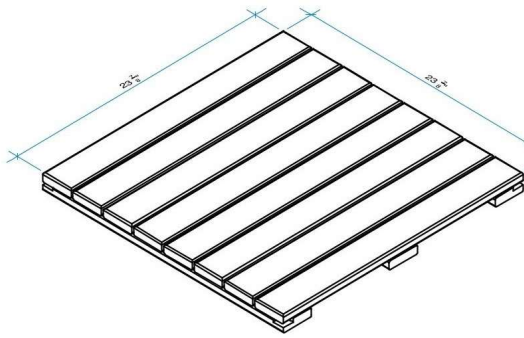
- Highly resistant to termites, decay and mold
- Very hard and dense
- Wear resistant and scuff resistant
- Class A fire rating
- High bending and shearing strength
- Resists warping and twisting
- Weathers without splintering
- Lower maintenance than less dense species

# SPECIFICATIONS

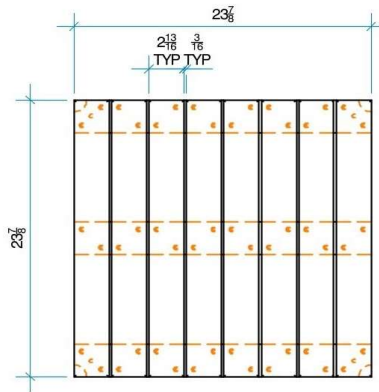


**skydeck**  
— **usa** —  
Rooftop Patios. Simply Done.

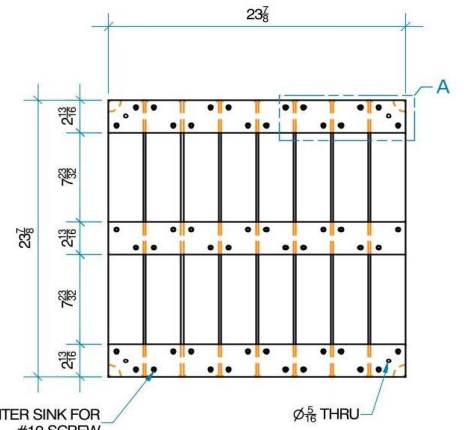
Tile size .....	23 7/8 in x 23 7/8 in
Covered area .....	24 in x 24 in
Tile height .....	1 11/16 in
Wood thickness .....	13/16 in
Slats per tile .....	8
Width of slats .....	2 7/8 in
Slat spacing .....	3/16 in approx.
Ends & sides finish .....	S4SE4E (radius 1/8 in)
Tile weight .....	23.5 lbs (6 lbs/sqft)
Ends/Surface finish .....	Ends waxed with paraffin, surface wood not coated with oil
Common name .....	lpe
Botanical name .....	Tabebuia sp.
Color .....	Typically reddish brown color, but can vary from olive brown to blackish, often with lighter or darker striping
Grain .....	Fine to medium texture, grain always interlocked, sometimes very oily looking
Density @ 12% moisture .....	1050-1180 kg/m <sup>3</sup>
Durability .....	Class A
Fire rating (ASTM E108) .....	Class A for spread of flame and intermittent flame exposure
Hardness (Janka) .....	3680 (very hard)
Resistance to decay and insect attack .....	Resistant to attack by decay, fungi, and termites — Not resistant to marine borers
Modulus of rupture .....	170 MPa
Modulus of elasticity .....	21 GPa
Maximum crushing strength .....	94 MPa
Maximum bending strength .....	22,560 psi
Shrinkage .....	7% tangential, 6% radial — 1.2 tangential/radial shrinkage ratio
Slip Resistance .....	Dry: .615 FL; Wet: .43 FP
Solar Reflectance Index (SRI) .....	New: 41; Weathered: 24



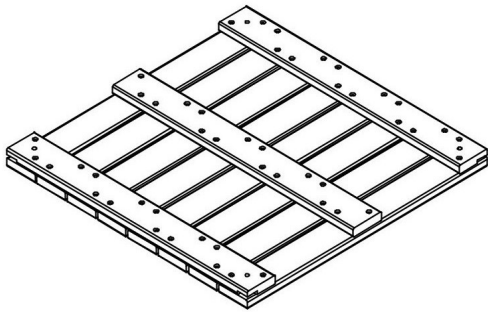
**ISOMETRIC: TOP**



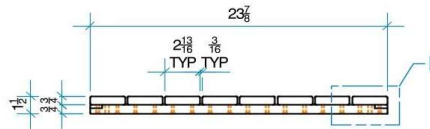
**TOP VIEW**



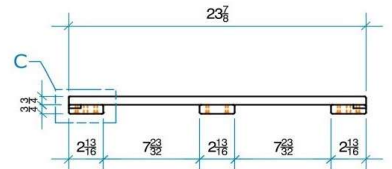
**BOTTOM VIEW**



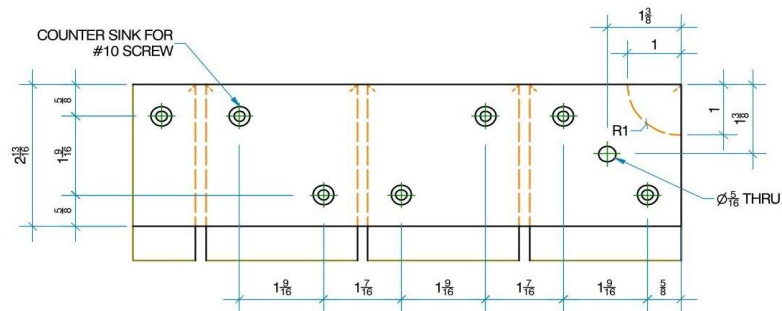
**ISOMETRIC: BOTTOM**



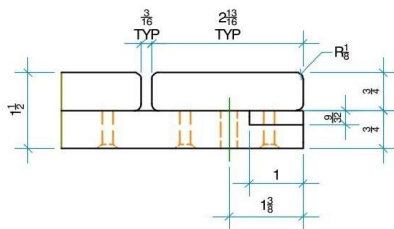
**FRONT VIEW**



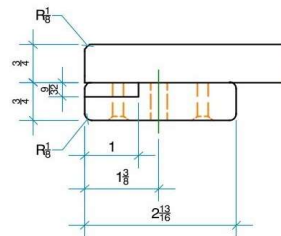
**SIDE VIEW**



**DETAIL A**



**DETAIL B**



**DETAIL C**