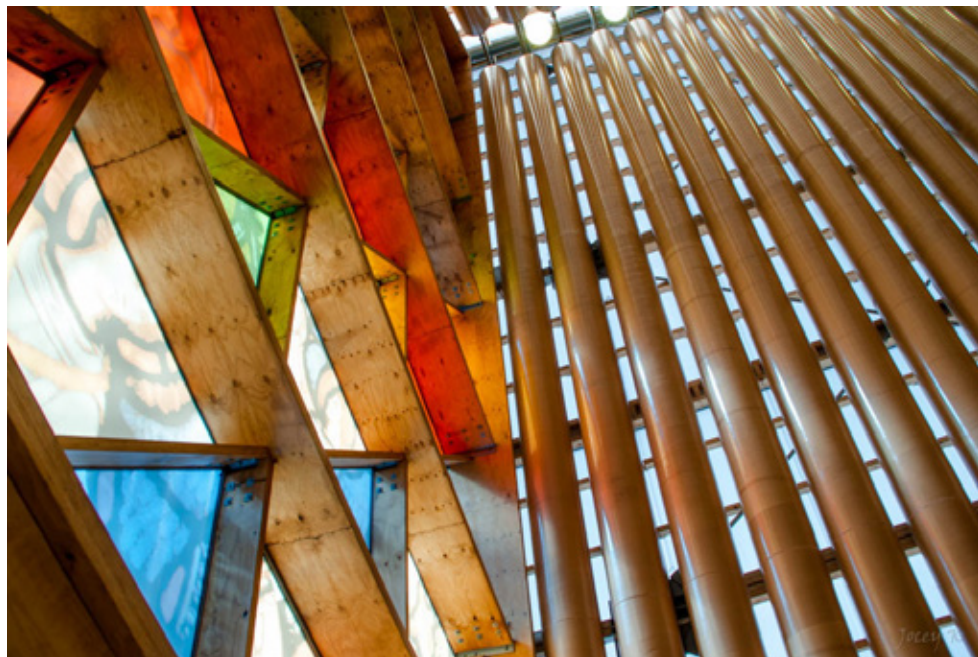


Cardboard Cathedral

case study
By Tian Lan

Location: Christchurch, New Zealand



Architect: Shigeru Ban Architects

Owner: N/A

Year of completion: 2013

Climate: Marine West Coast Climate

Material of interest: 24 inch-diameter Carboard tube

Application: Structure

Properties of material: The 96 tubes, reinforced with laminated wood beams, are coated with waterproof polyurethane and flame retardants with two-inch gaps between them so that light can filter inside. Paper tubing, as a none-typical building material, is comparatively inexpensive and very accessible.

Sources:

1. <http://www.shigerubanarchitects.com>
2. <https://www.archdaily.com/413224/shigeru-ban-completes-cardboard-cathedral-in-new-zealand>