

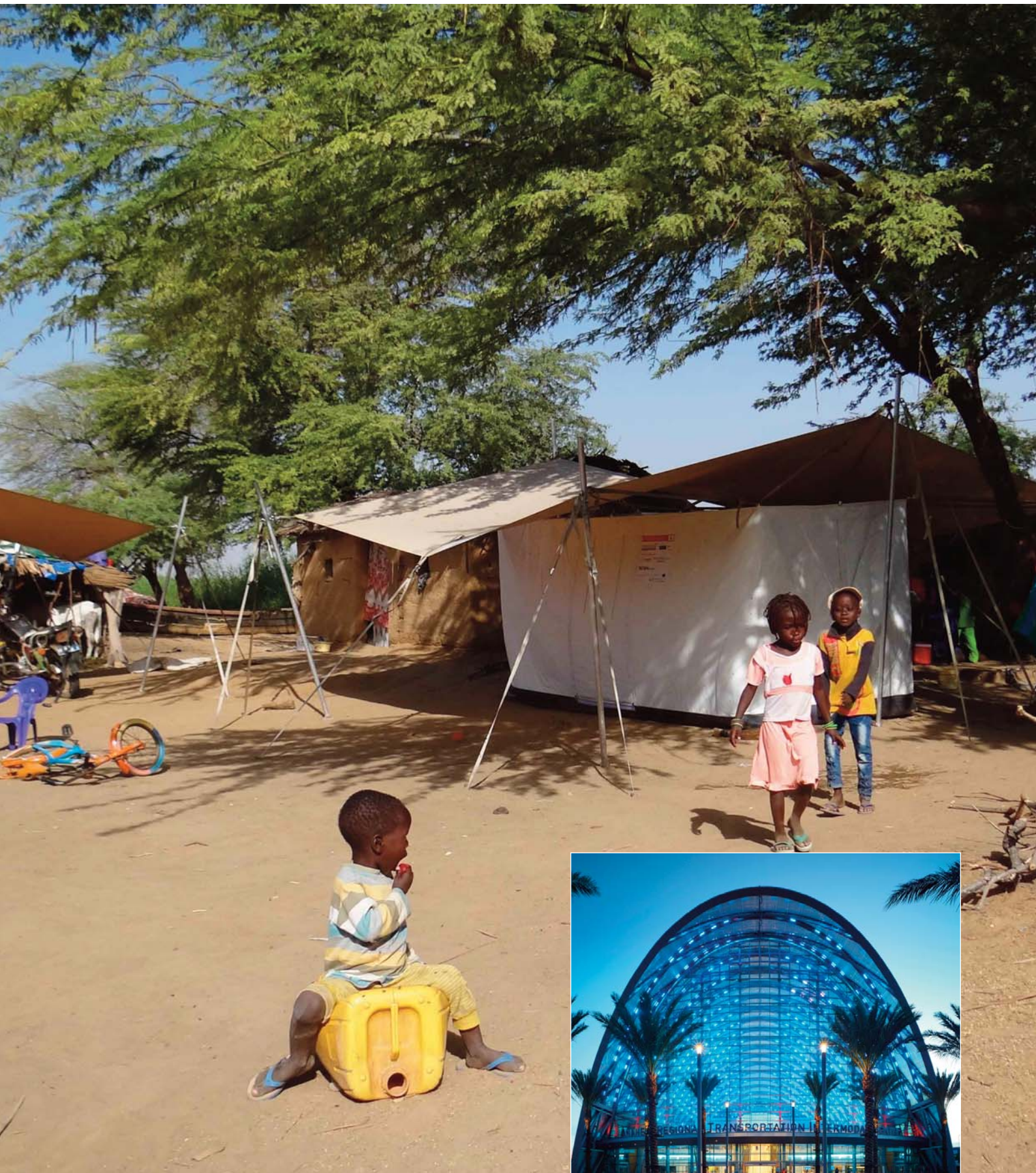
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NEWSLETTER OF THE EUROPEAN BASED NETWORK FOR THE DESIGN AND REALISATION OF TENSILE STRUCTURES



*SPEEDKITS: Clever Roof set-up in Senegal © Vincent Virgo / Guy Buyte ▲
The exterior shell of the three-storey ARTIC building © John Linden ►*

SPEARHEADS TENSILE MEMBRANE CANOPY DESIGN AND CONSTRUCTION FOR FLORIDA STATE UNIVERSITY DOAK CAMPBELL STADIUM

Renovations to Seminoles' South End Zone

Introduction

FabriTec has been contracted to design, engineer, fabricate, supply and install two identical tensile membrane canopies supported by steel and cables at the Seminoles' south end zone in accordance with the University's plans to build a premium club seating section at the south end of Doak Campbell Stadium. The tension structures will be PTFE Chukoh Skytop 800 architectural membrane and cantilever out over the stadium seats from columns located on a new club level deck. The new deck area will add 6,000 premium seats and hosted services. The total fabric plan area covers a 24,930sq.ft (2,316m²).

Project

The design of the tension structures is to protect football fans from sun and rain, but also ensure that no columns would hinder fans' enjoyment of the game. A notable design element will be the "spearheads," located at the field end of several horizontal

outriggers, which will extend out over the seating and capture the essence of the spear used by the Seminole Indian – Florida State University's mascot. Each one will be lit up with LED lighting to provide a spectacular scene at night.

The fabric canopies are part of an extensive renovation at the south end of Florida State University's Doak Campbell Stadium initiated by FSU administrators and the Seminole Boosters and underscore Coach Jimbo Fisher's commitment to rebuilding the dynasty that led the football team to an Atlantic Coast Championship in 2014. Other proposed improvements include: raising the height of the exterior of Stadium, installing exposed glass staircases and architectural lighting.

The architectural consultant on the project is Rosser International, one of the leading architectural firms involved with collegiate stadiums and other athletic facilities.



FabriTec expects to start work on site by April of 2016. The entire project will be ready for Florida State's football home opener in September of 2016.

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 © Seminole Boosters, Inc. - illustration - EMI Architects.

Name of the project:	FSU Doak Campbell Stadium South Endzone Canopies
Location address:	1 Champions Way, Tallahassee, FL 32304
Client (investor):	Florida State University
Function of building:	Sports Stadium
Type of application of the membrane:	Mast-supported tensile membrane canopies
Year of construction:	2016
Architects:	EMI Architects
Structural engineers:	FabriTec Structures, LLC
Main contractor:	Childers Construction
Contractor for the membrane:	FabriTec Structures, LLC
Supplier of the membrane material:	FabriTec Structures, LLC
Manufacture and installation:	FabriTec Structures, LLC
Material:	PTFE FGT- 800 as supplied by Chukoh Fabrics.
Covered surface (roofed area):	2,316m ²

