

WORLD BAMBOO WORKSHOP INDIA 2018

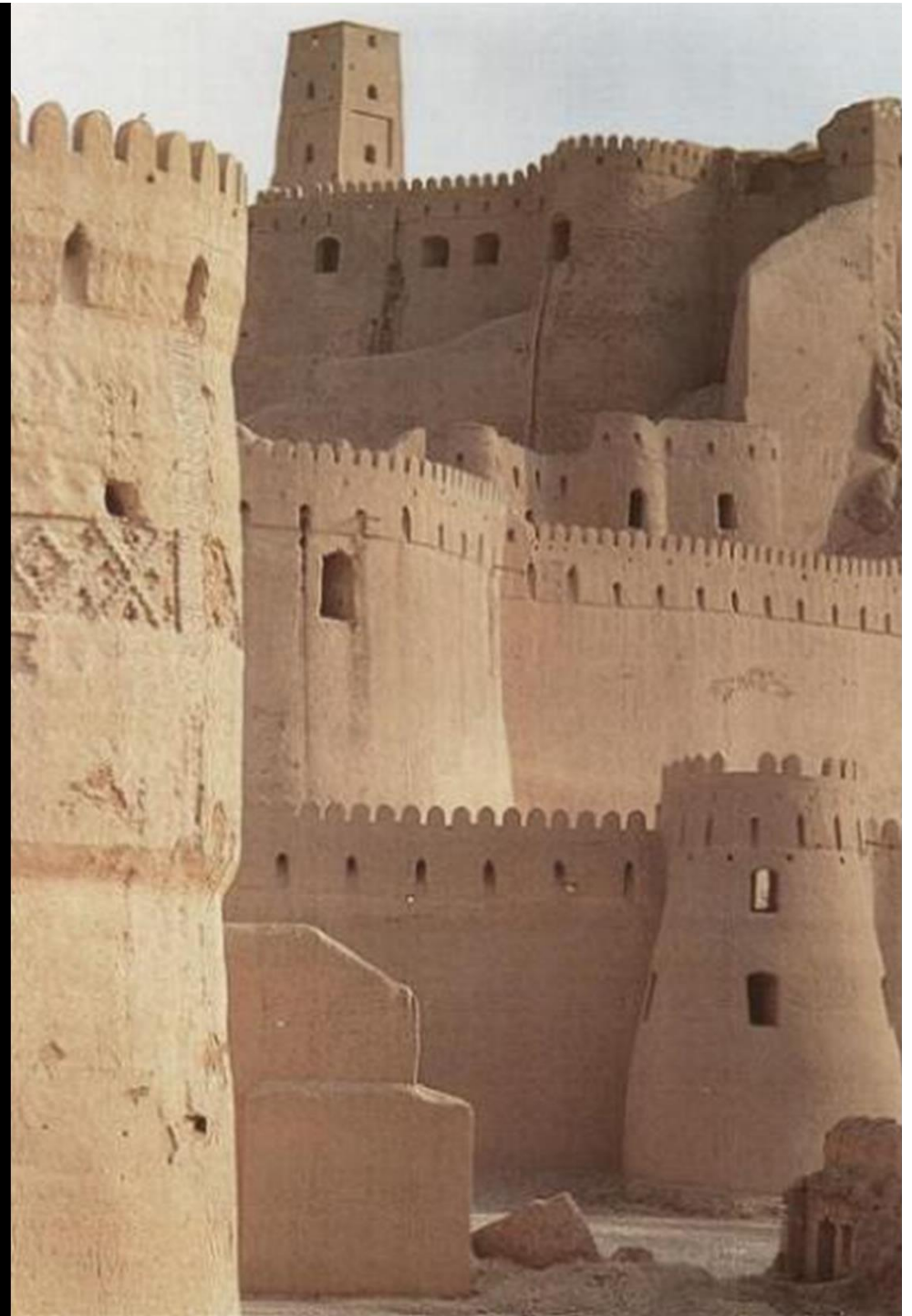
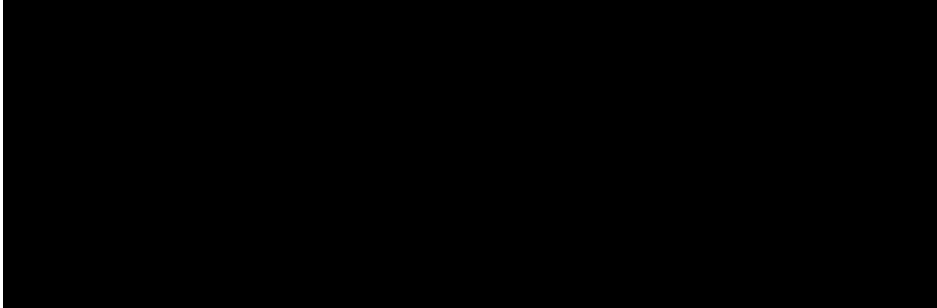
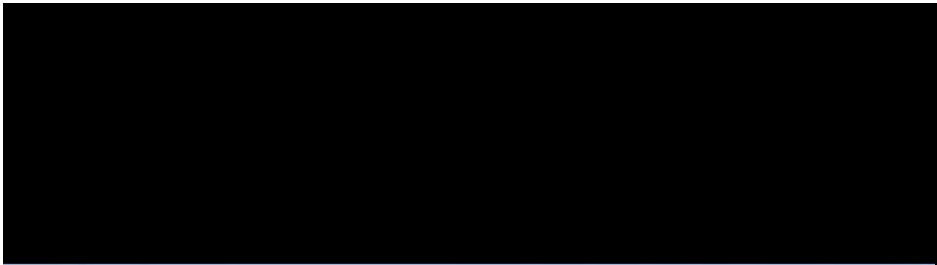
BAMBOO AND MUD



















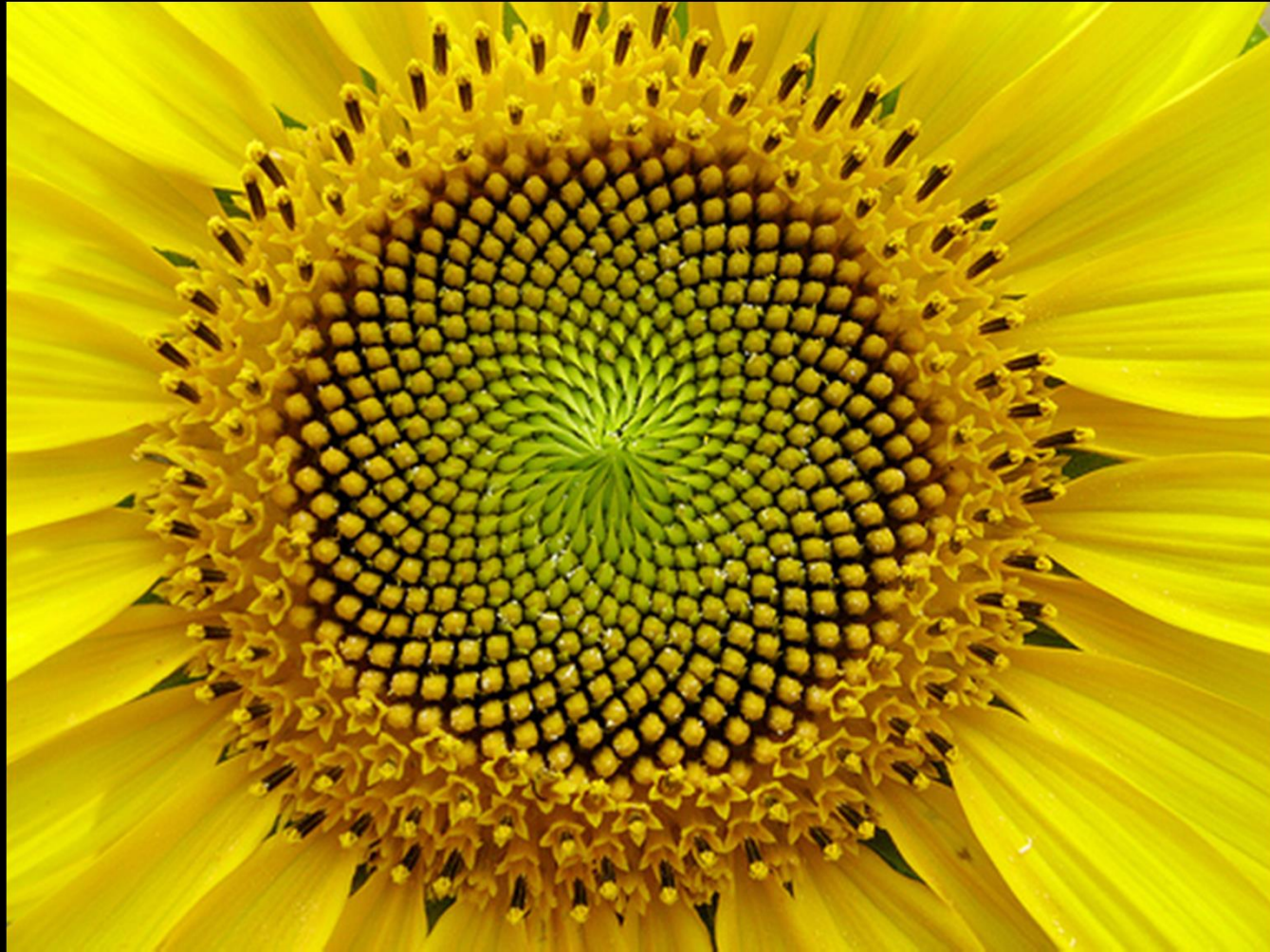




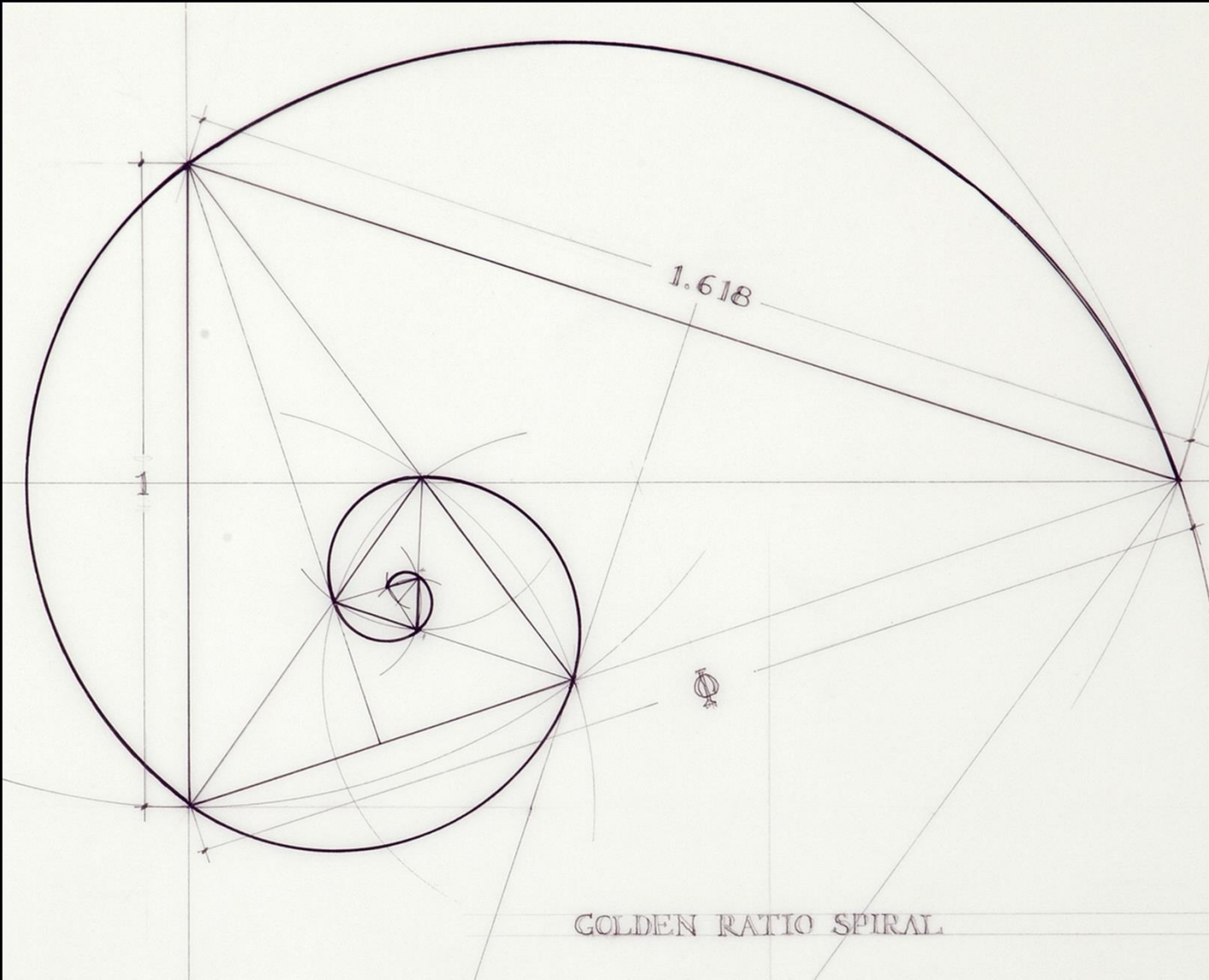




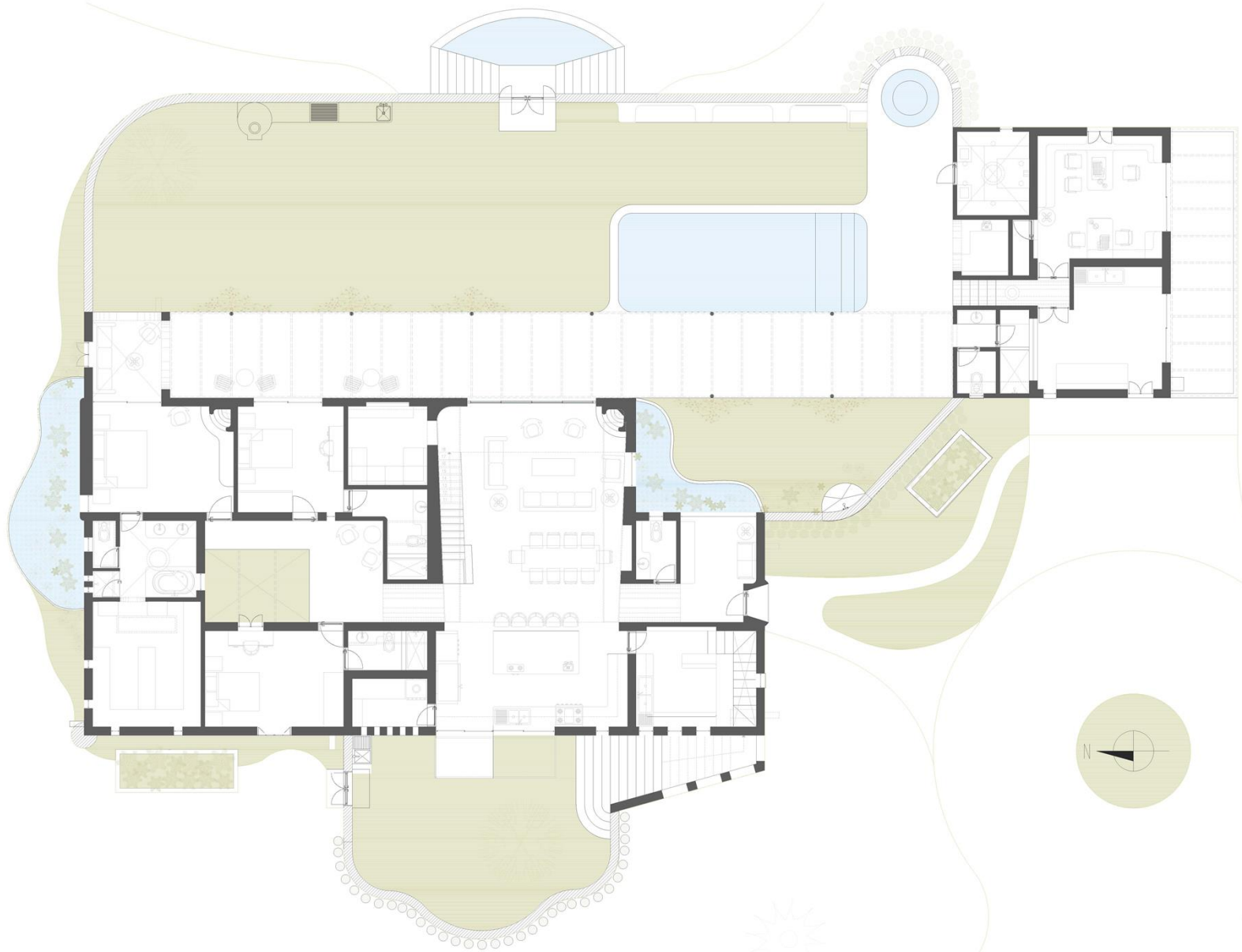








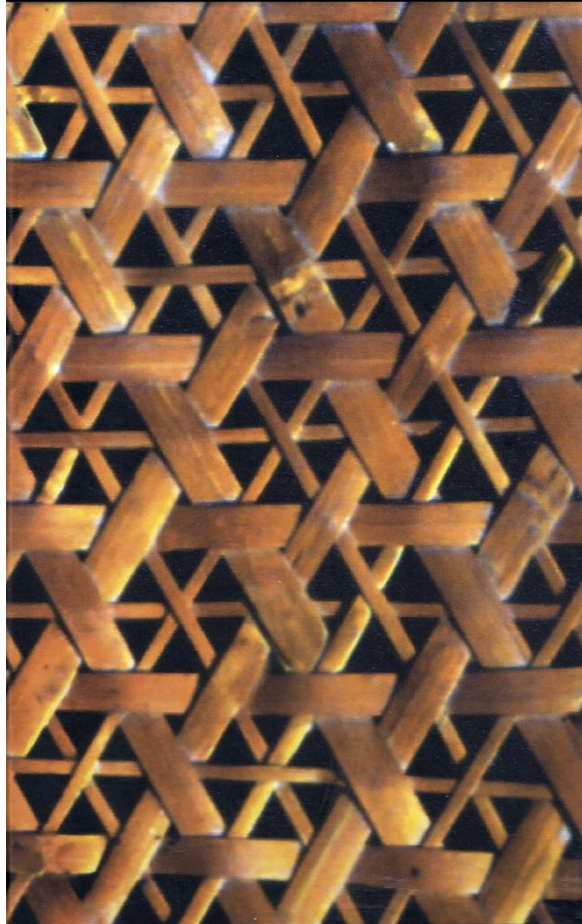
GOLDEN RATIO SPIRAL









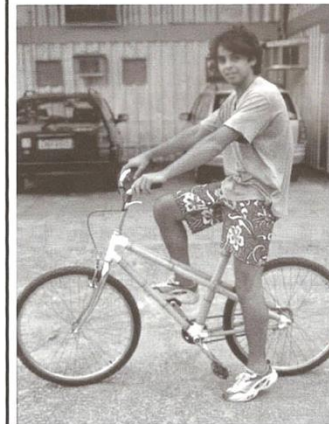


BAMBOO

THE GIFT OF THE GODS

OSCAR HIDALGO - LÓPEZ

Fig. 35.2 TRANSPORTATION -2. BICYCLE WITH BAMBOO FRAME



A

The Research Laboratory in Living Design – LILD, of the Arts & Design Department of the Pontifical Catholic University of Rio de Janeiro, PUC-Rio, Brasil, is the only laboratory which exists in the Americas dedicated to the study of bamboo technologies under the succesful direction of Professor José Luiz Mendes Ripper.

Designers, architects and engineers have been applying the findings of the laboratory in housing projects, furniture, auxiliary equipments for handicapped people, as well as other objects such as the bicycle with bamboo frame shown in the Fig. 35.2. This bicycle was designed by Flávio Deslandes, a former student of the laboratory. The bamboo frame consist of bamboo sections which are glued to metal joints. Furthermore a tension steel cable located inside each bamboo section connect the oposite metal joints.

The LILD activities also reach the countryside, including environmental reserves, by offering workshops on bamboo structures. Research professors, undergraduate and graduate students and former students, coordinated by research professor José Luiz Mendes Ripper, compose the design team of the LILD.



B



C



D













































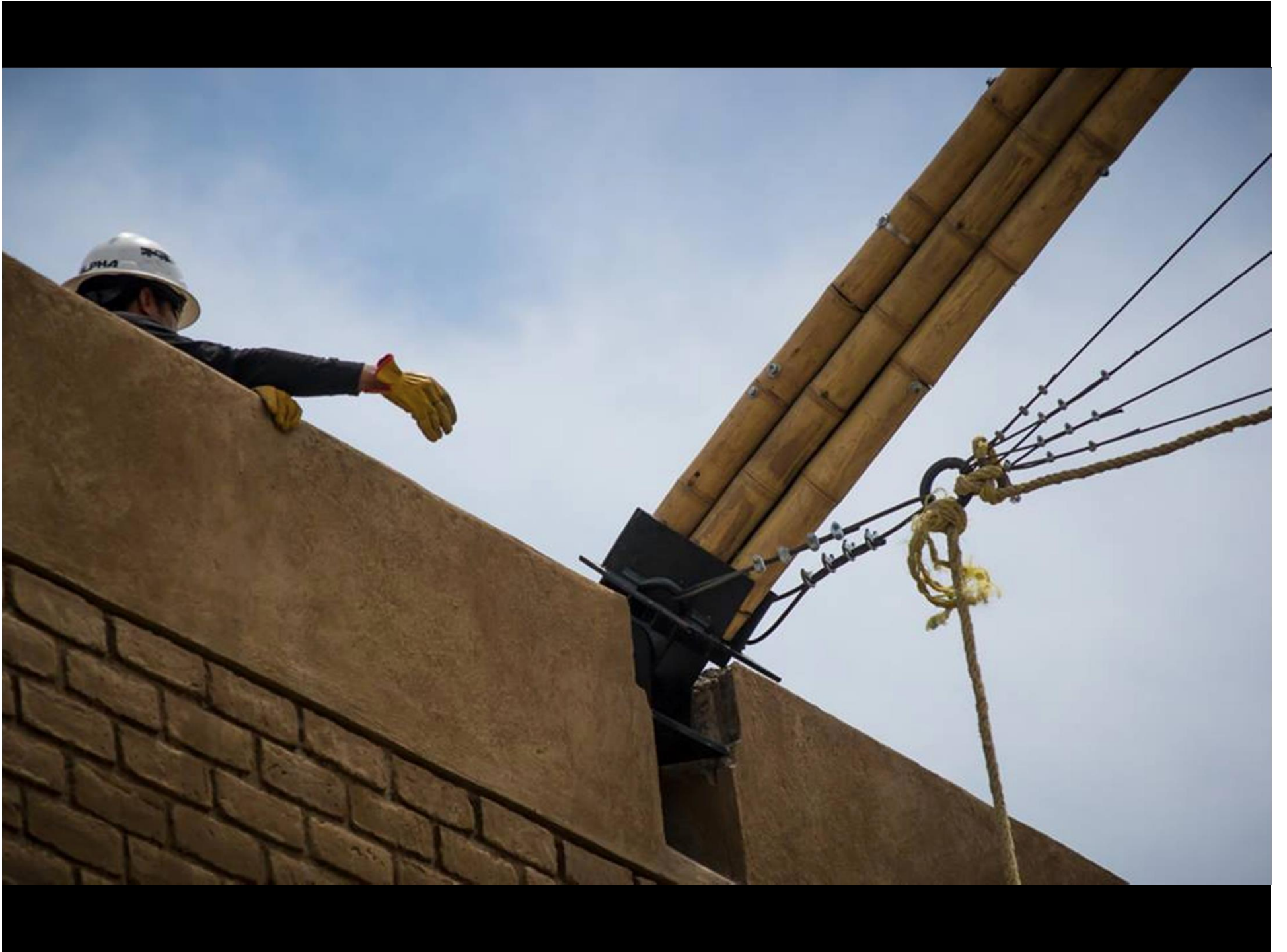




































































धन्यवाद



TIBAROSE ARQUITECTOS

PETER VAN LENGEN

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