



**WORLD
BAMBOO
CONGRESS**
Taiwan 2024

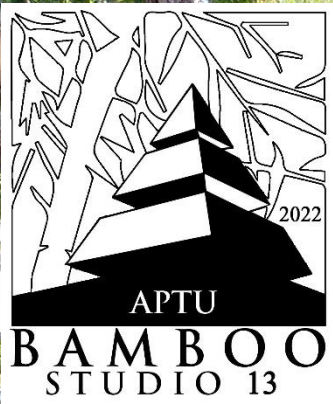
**Designing & Engineering Pre-Fabricated
Connectors for Bamboo Structures in Thailand**



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Thammasat University

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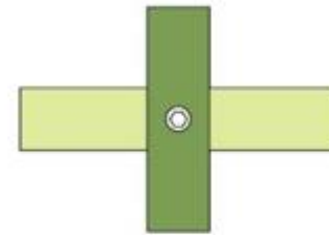
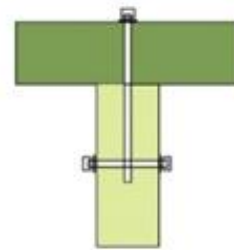
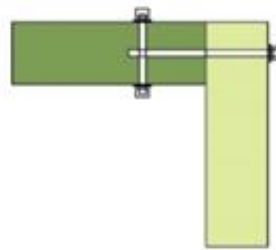
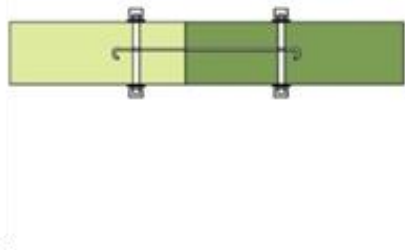
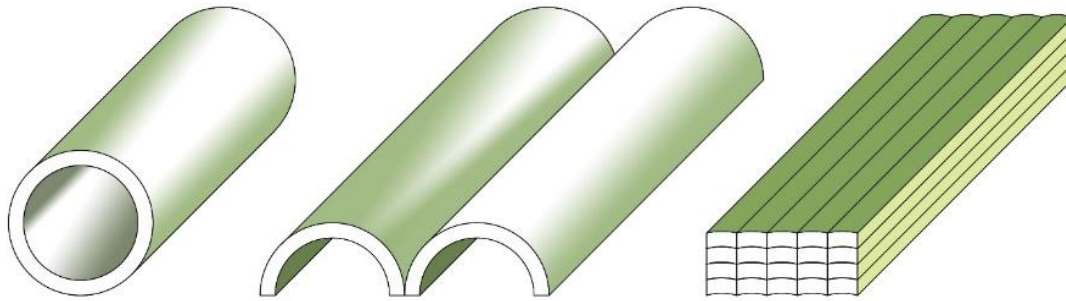
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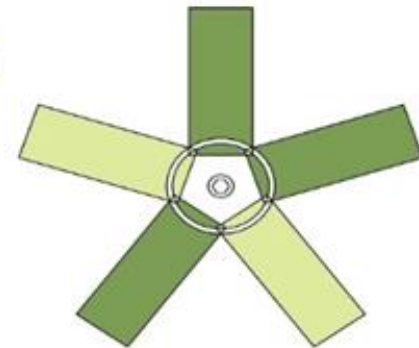
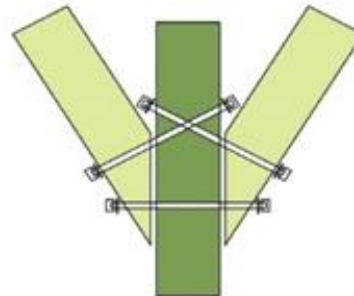
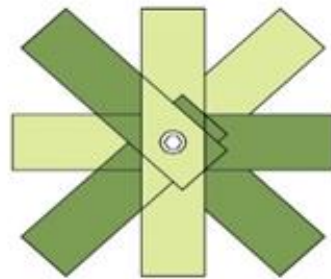
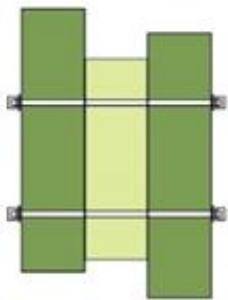
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L Connection

T Connection

X Connection

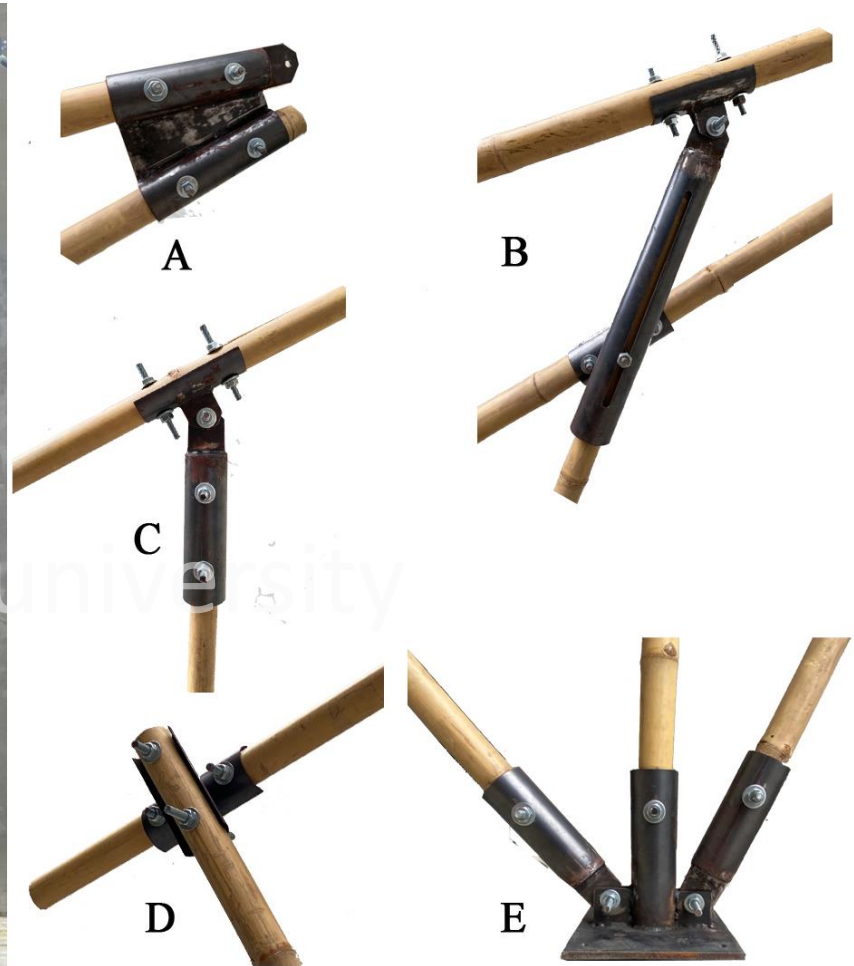
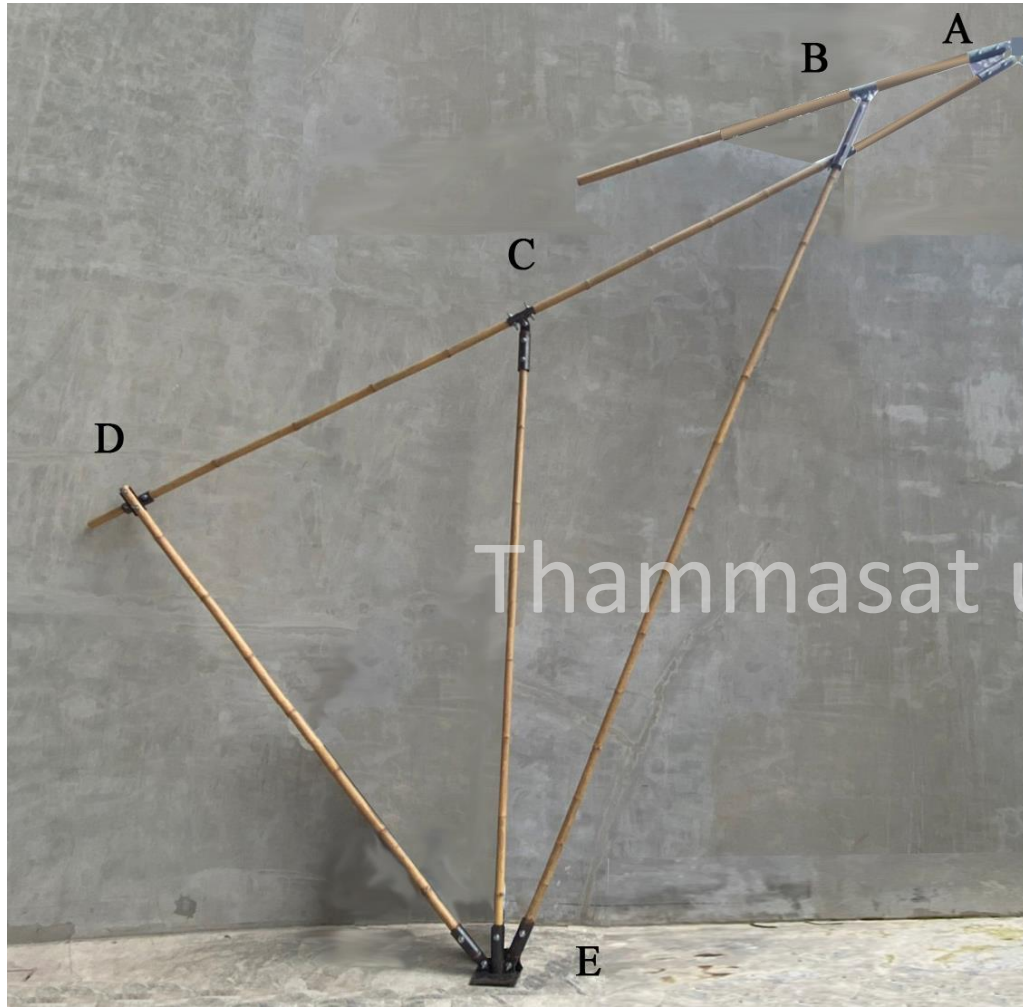


Bundle connection

Hub connection

Splice connection

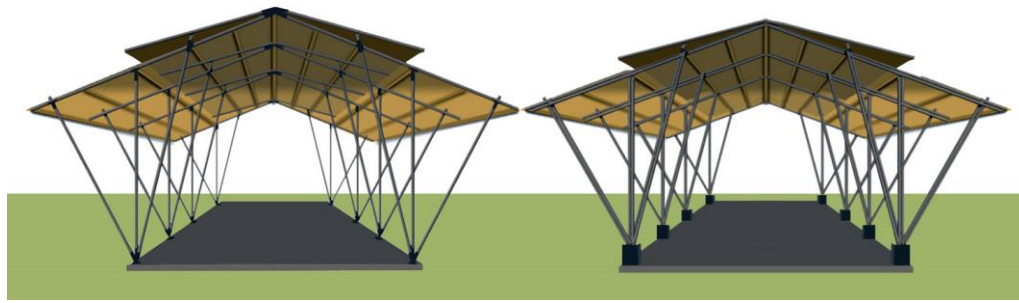
Concentric connection



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Pre construction

Actual construction



Making Connectors

Pre Fabricated system



Building fabricated frames



Assembling Frame construction



Roof & Finishing

Isolate work
At remote sites

Conventional system



Foundation works



Erecting Frame construction



Roof & Finishing

20.5 days

62% Faster

54 days

Time



Nozzle for Culm



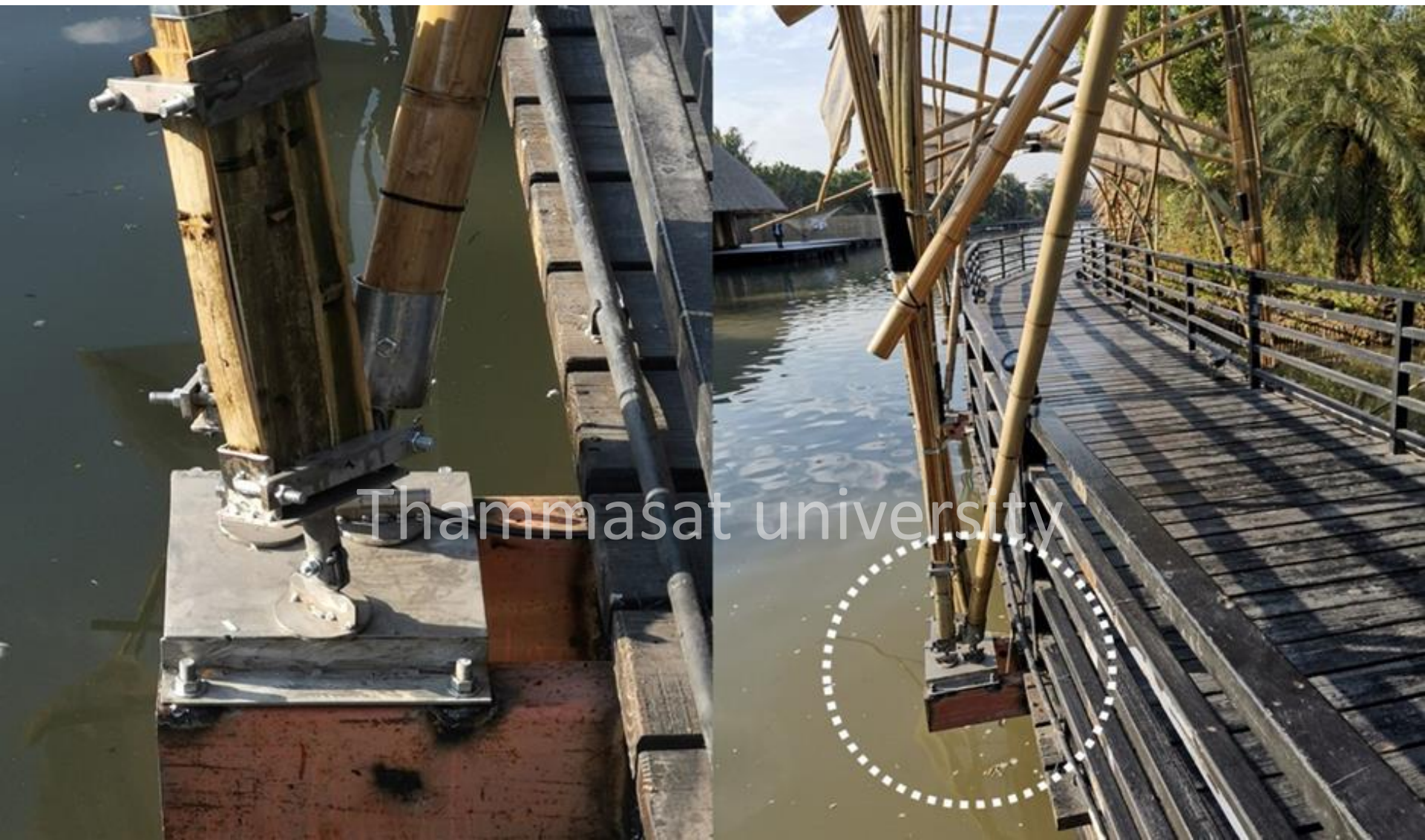
Nozzle for Split



Receiver



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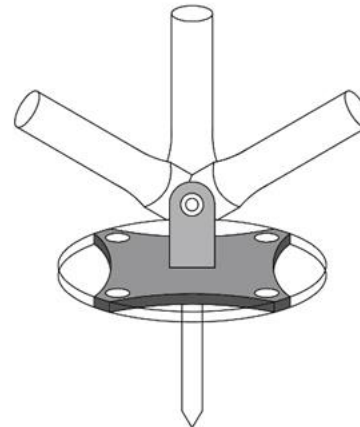
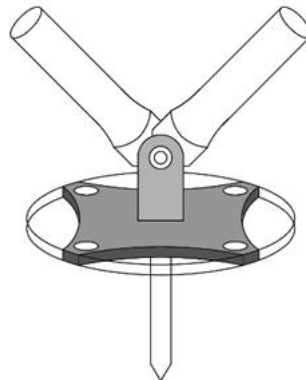
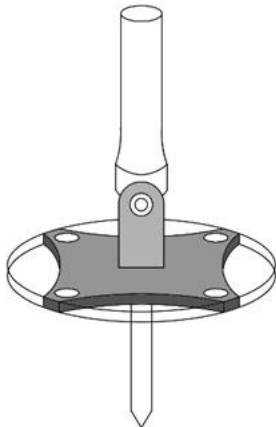
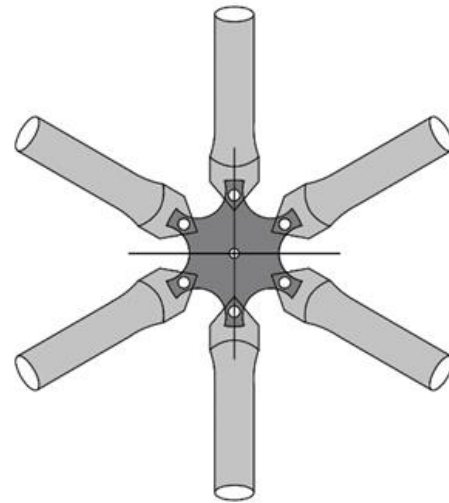
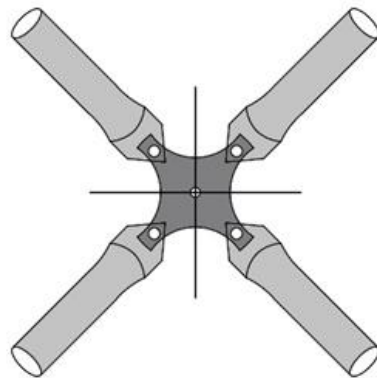
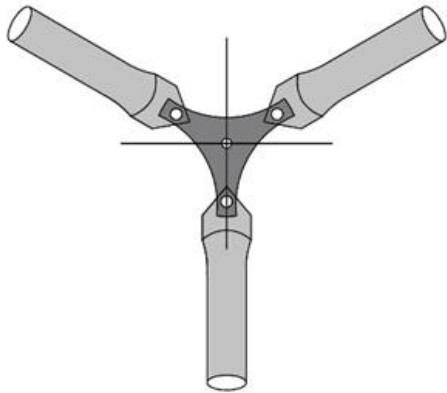
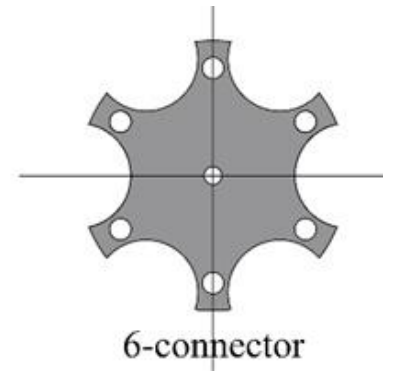
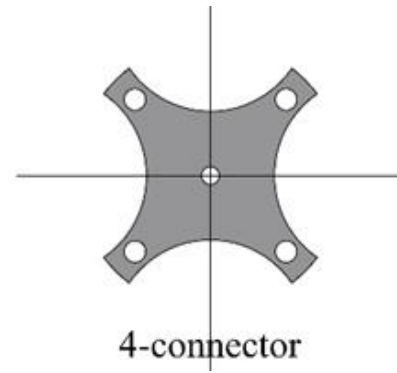
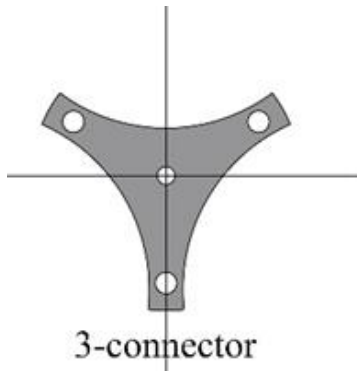
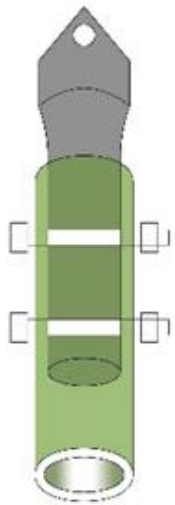
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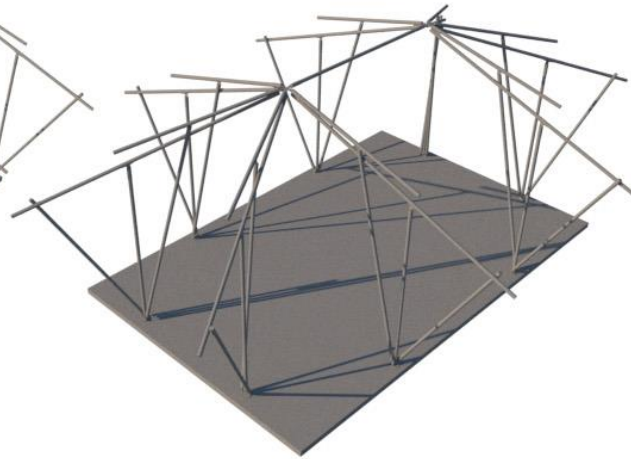
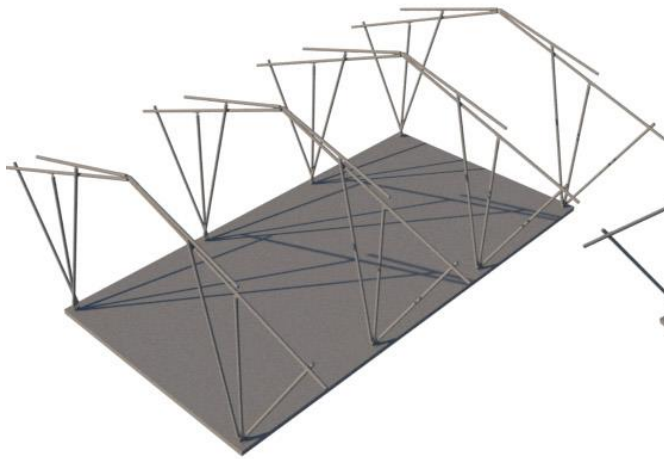
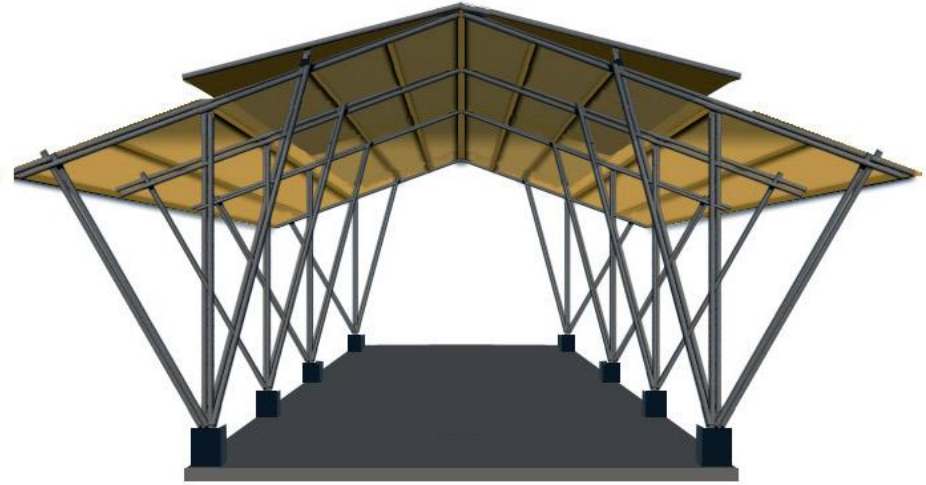
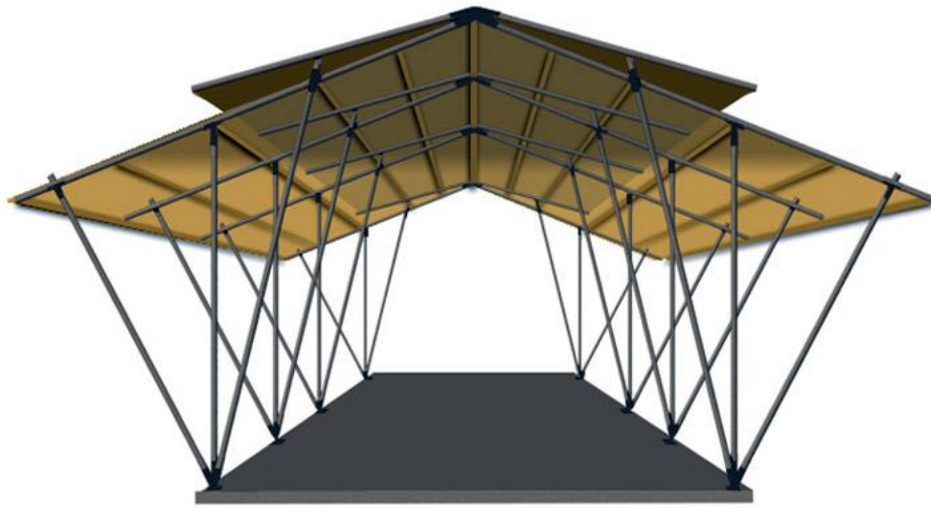


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B

B

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A

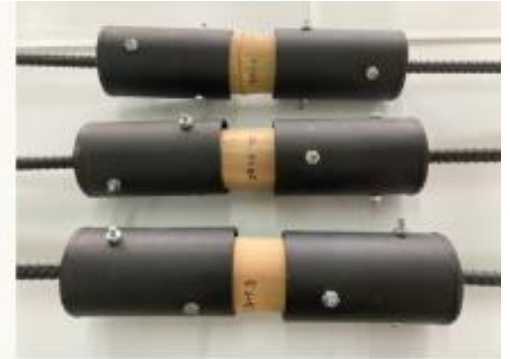
A

A

A

The image shows the interior of a large, circular structure with a traditional thatched roof. The roof is made of woven bamboo or palm leaves, supported by a network of thick bamboo poles. Several modern black spotlights are mounted on the roof structure, and a few glowing yellow pendant lights hang from the center. The overall atmosphere is rustic and traditional, with a blend of natural materials and modern technology.

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ก่อนทดสอบ

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หลังทดสอบ

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Thank you

