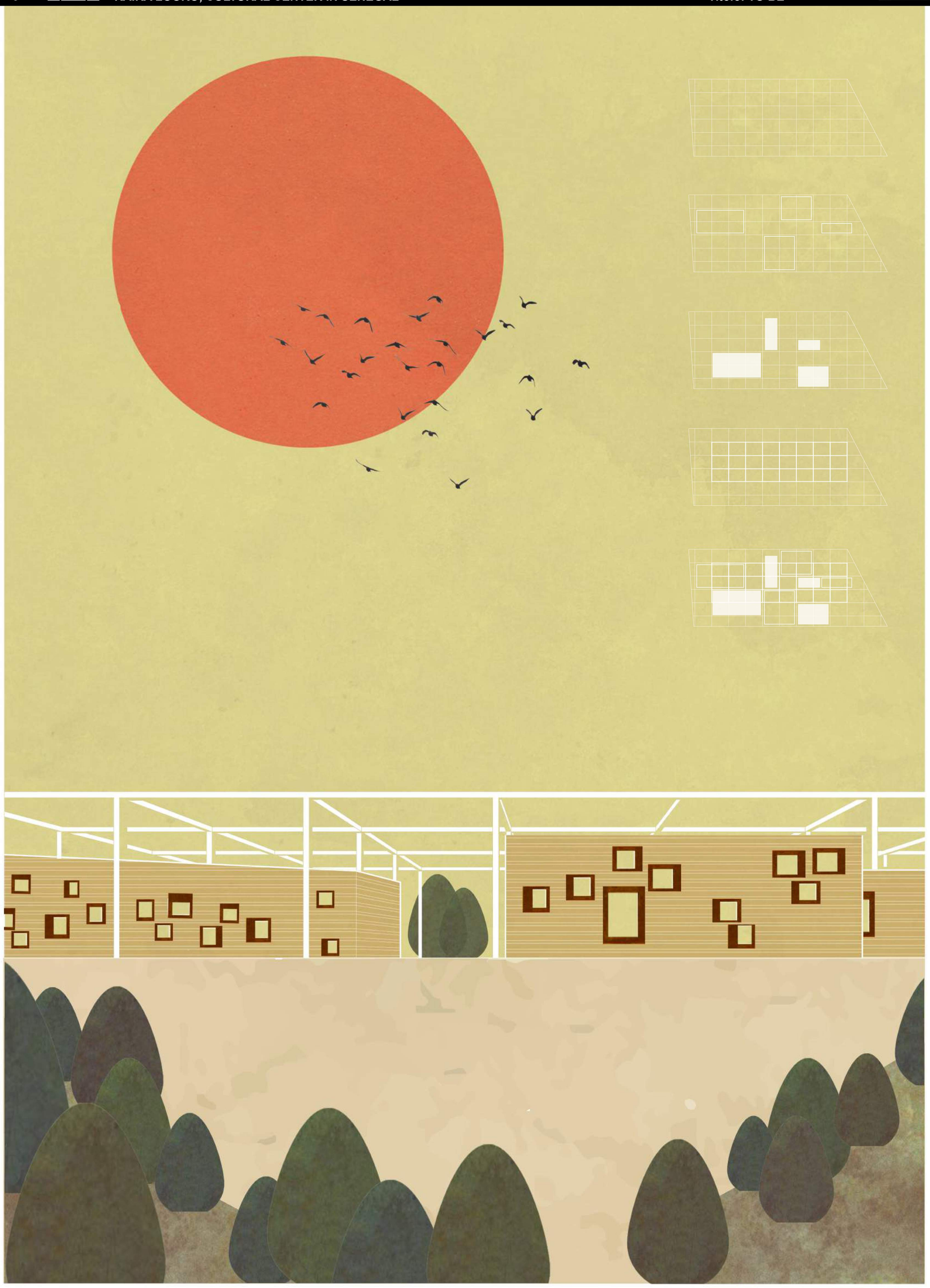
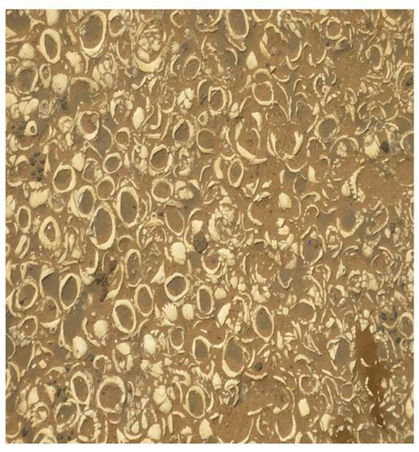
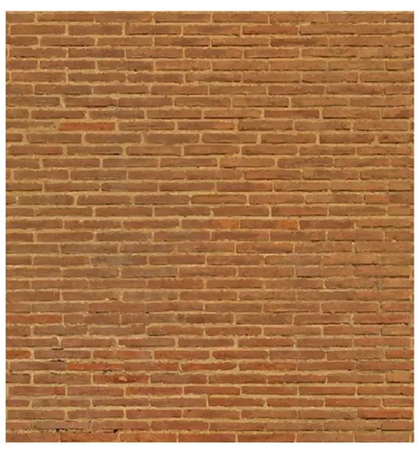


MATERIALS

Local sand ground



Soil and shells



Brick building structure

Sheet for external covering

Wood for frame structure and external arrangement

African mats for outdoor coverage

VEGETATION

Coconut

Banana

Papaya

Ginger

Coffee

Mint

AREA PLAN

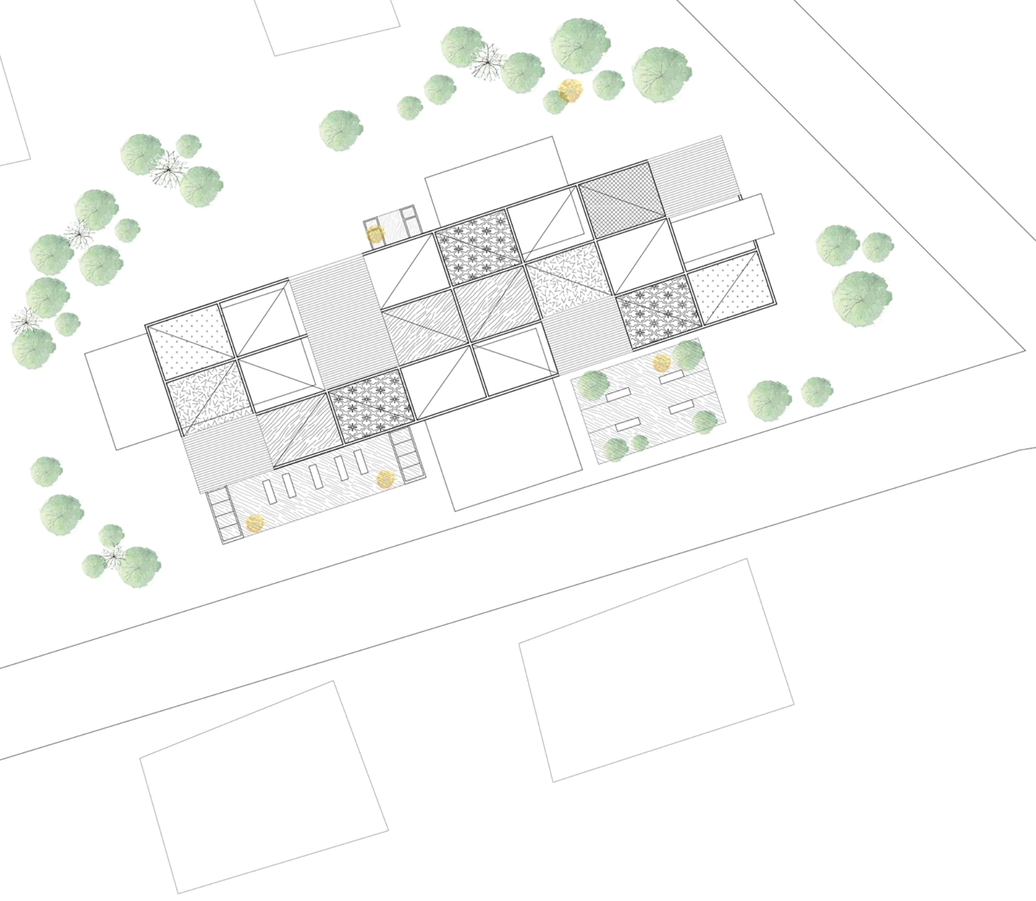
The planning of a Cultural Center for the city of Sedhiou tries to reach the goal of creating a location where local cultures may have the chance to be told, passed on and preserved.

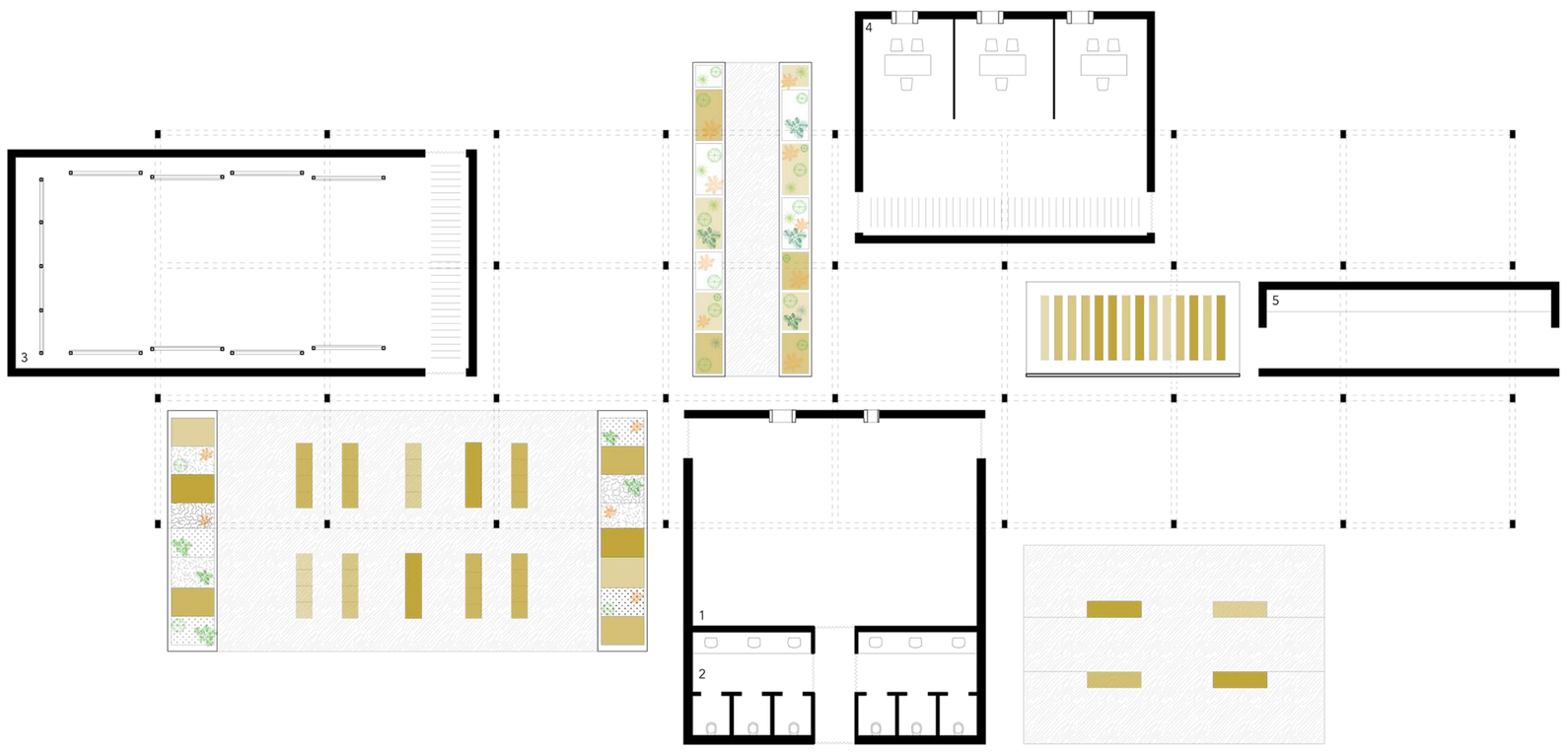
The goal is to design a sustainable architecture that promotes the teaching and conservation of traditions through a contemporary language.

Social sustainability, given by the main activities in the region, such as agriculture and crafts.

Economic sustainability, given by the use of materials found in the surrounding areas.

Environmental sustainability, given by the use of passive energy systems.





1 - Shows area
80,55 mq

2 - Toilette
40,33 mq

3 - Training space
130,65 mq

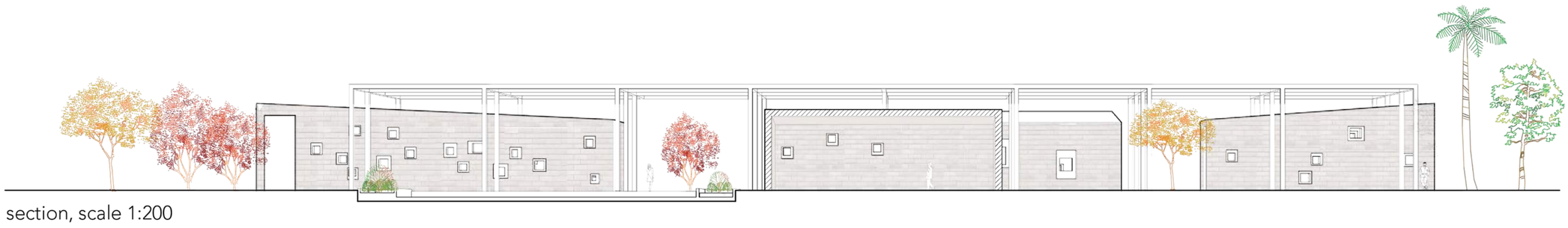
4 - Offices
82,95 mq

5 - Exhibition space
30,45 mq

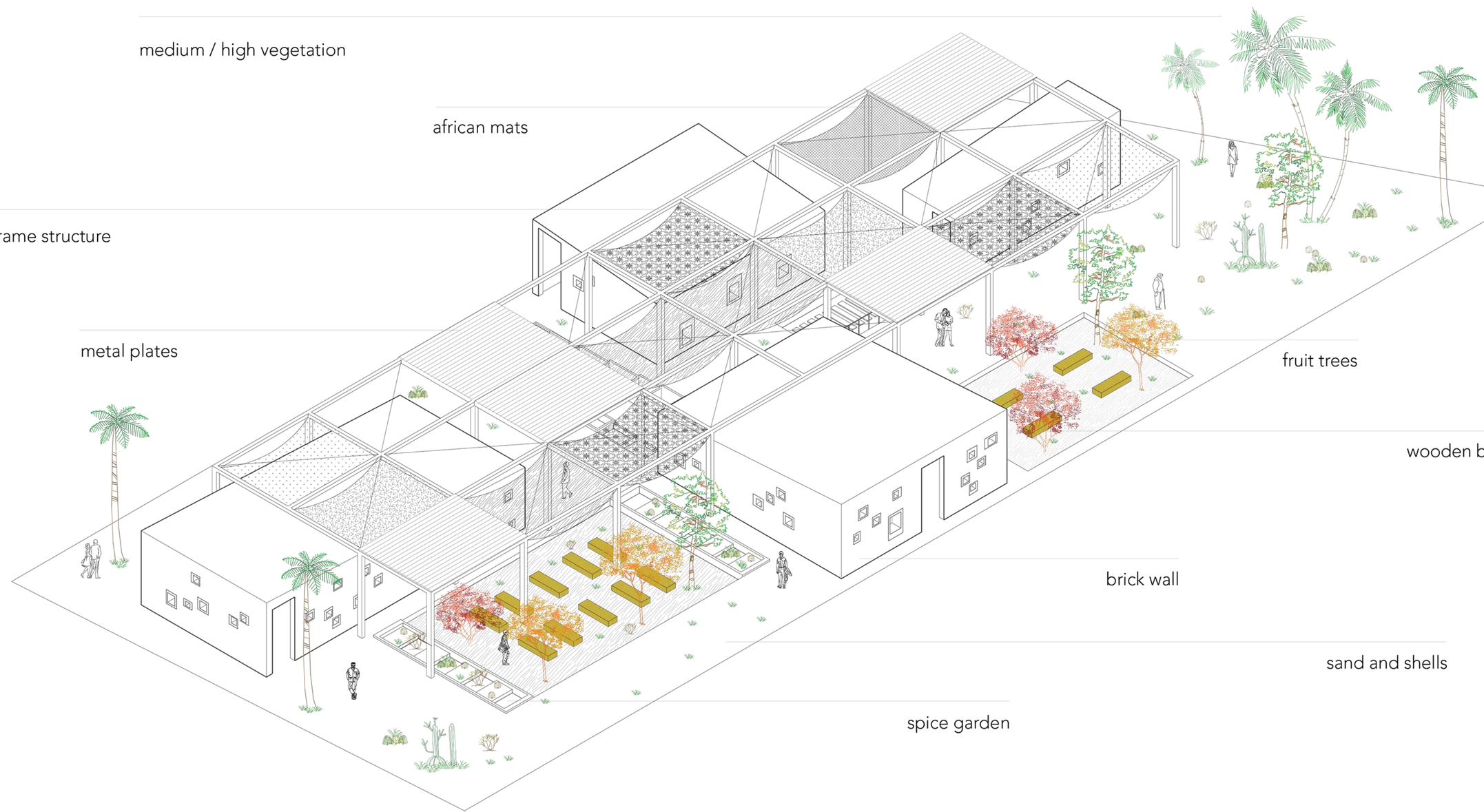
PLAN, scale 1:200

Surfaces for the indoor area: 518 mq
Surfaces for the open space area: 397,7 mq

Three main designed areas for Education, Exhibitions and Performances. Furthermore, two areas for Bureau and Restrooms.



section, scale 1:200



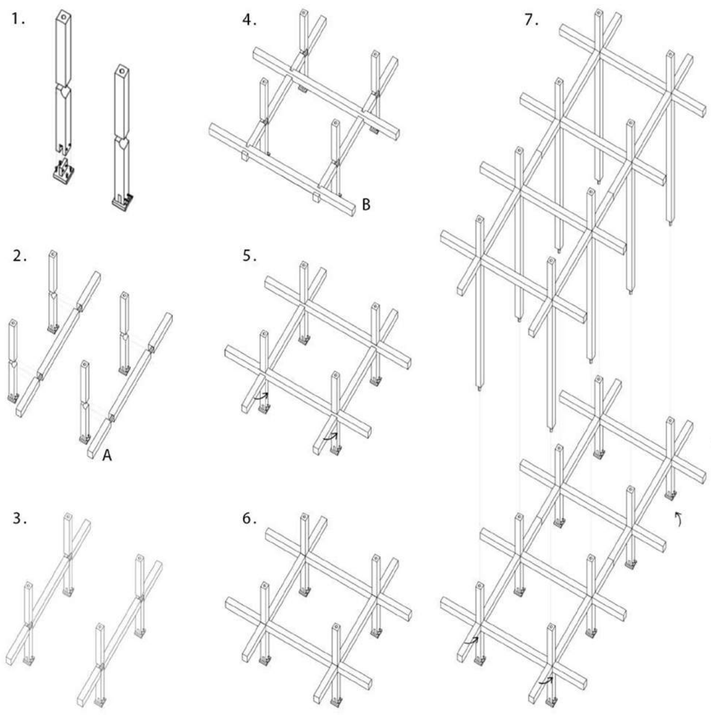
Corso di Laurea Magistrale in Architettura
Scuola di Ateneo di Architettura e Design "E. Vittoria"
Università di Camerino

Laboratorio di Costruzione dell'architettura A

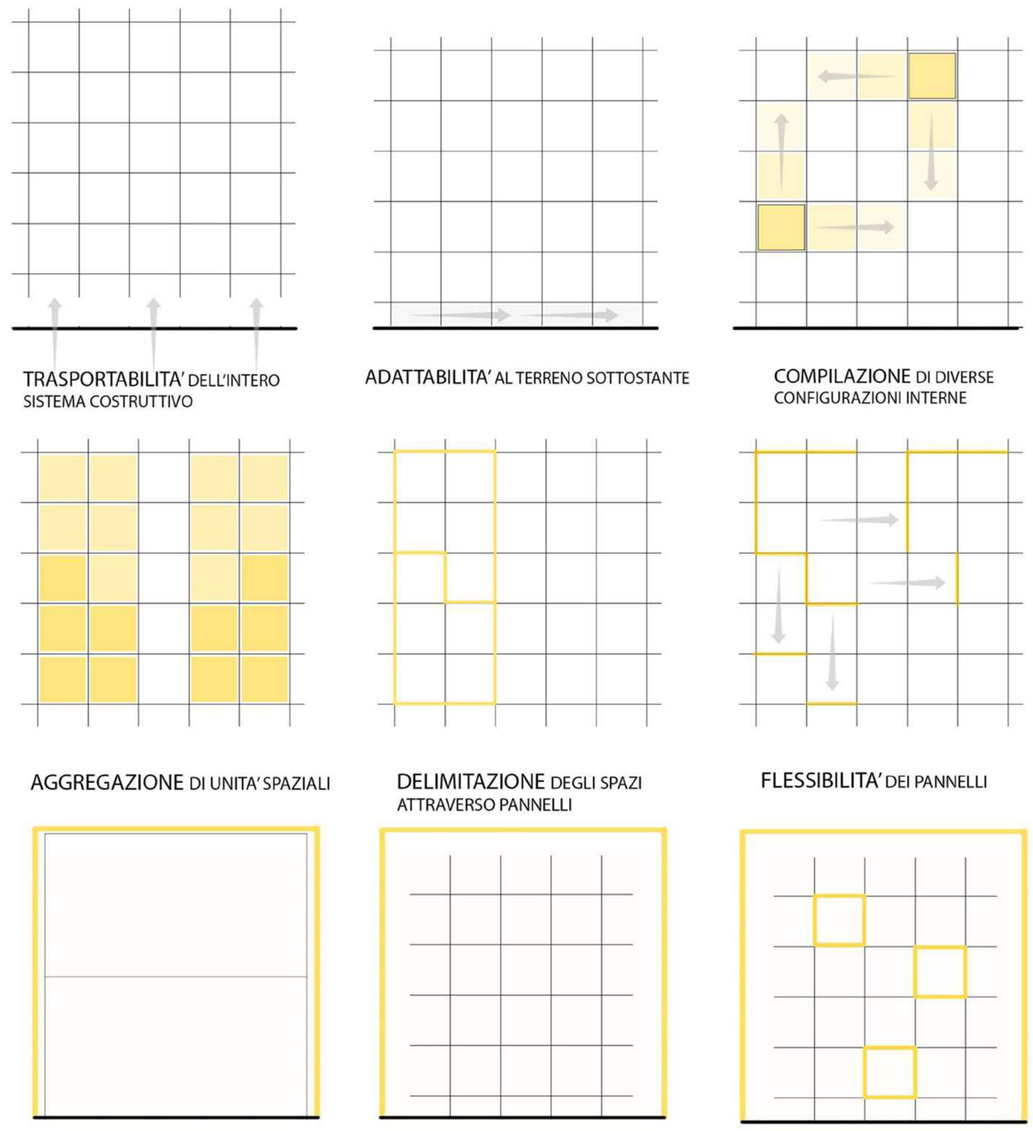
prof. Roberto Ruggiero prof. Nazzareno Viviani TUTOR Roberto Cognoli A.A. 2016/2017
con: Alex Terriaca_Andrea Bassetti_Nicola Alessandroni

TEMPORARY HOUSING HUB for asylum seekers
TAVOLA CURRICULARE
stud. Cascioli Giulia

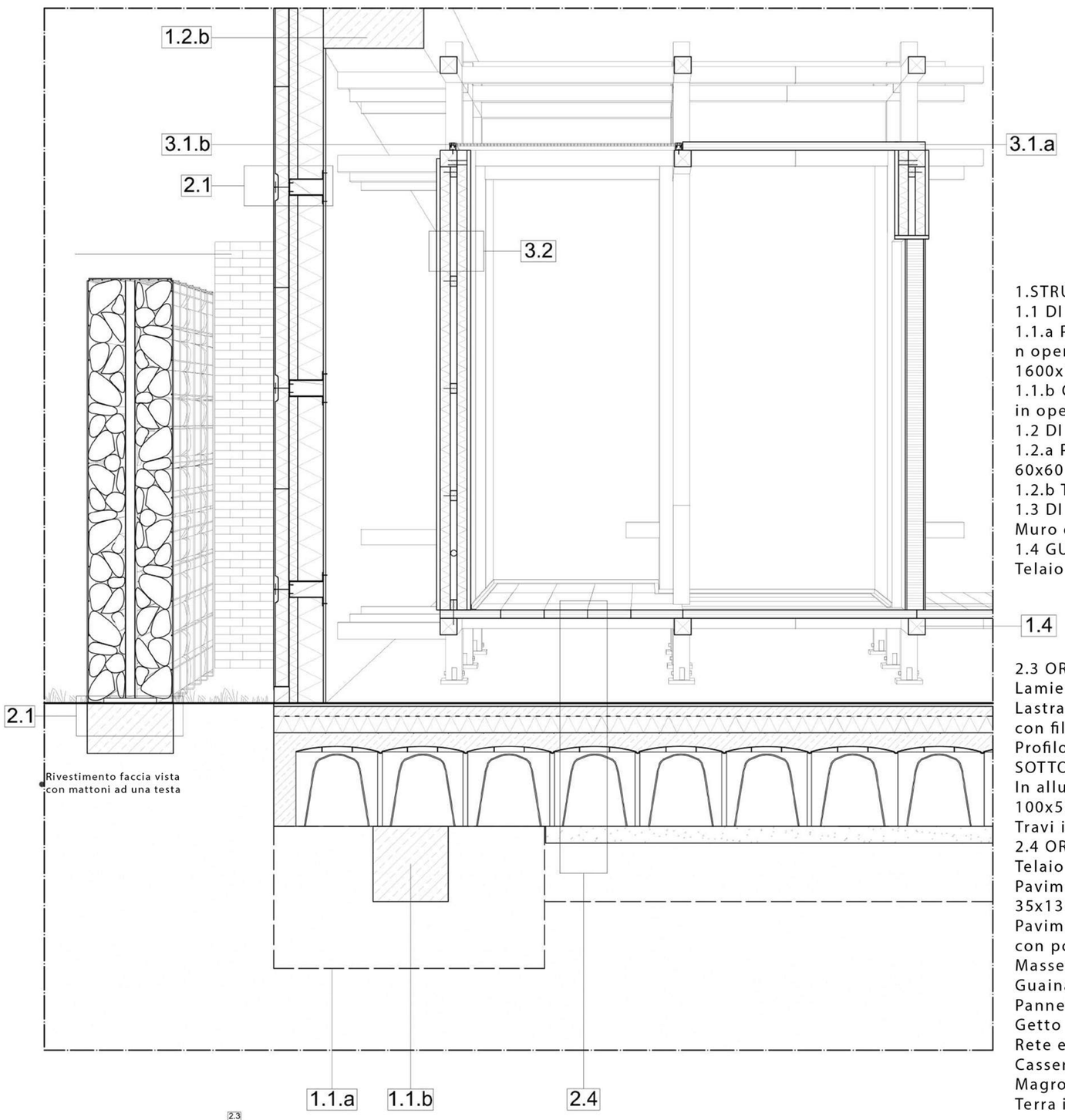
PROCESSO COSTRUTTIVO



1. Montaggio pilastri
2. Posizionamento trave A
4. Posizionamento trave B
5. Rotazione trave A
6. Incastro travi e pilastro
7. Inserimento struttura superiore
8. Posizionamento tavolati
9. Solaio di calpestio e copertura



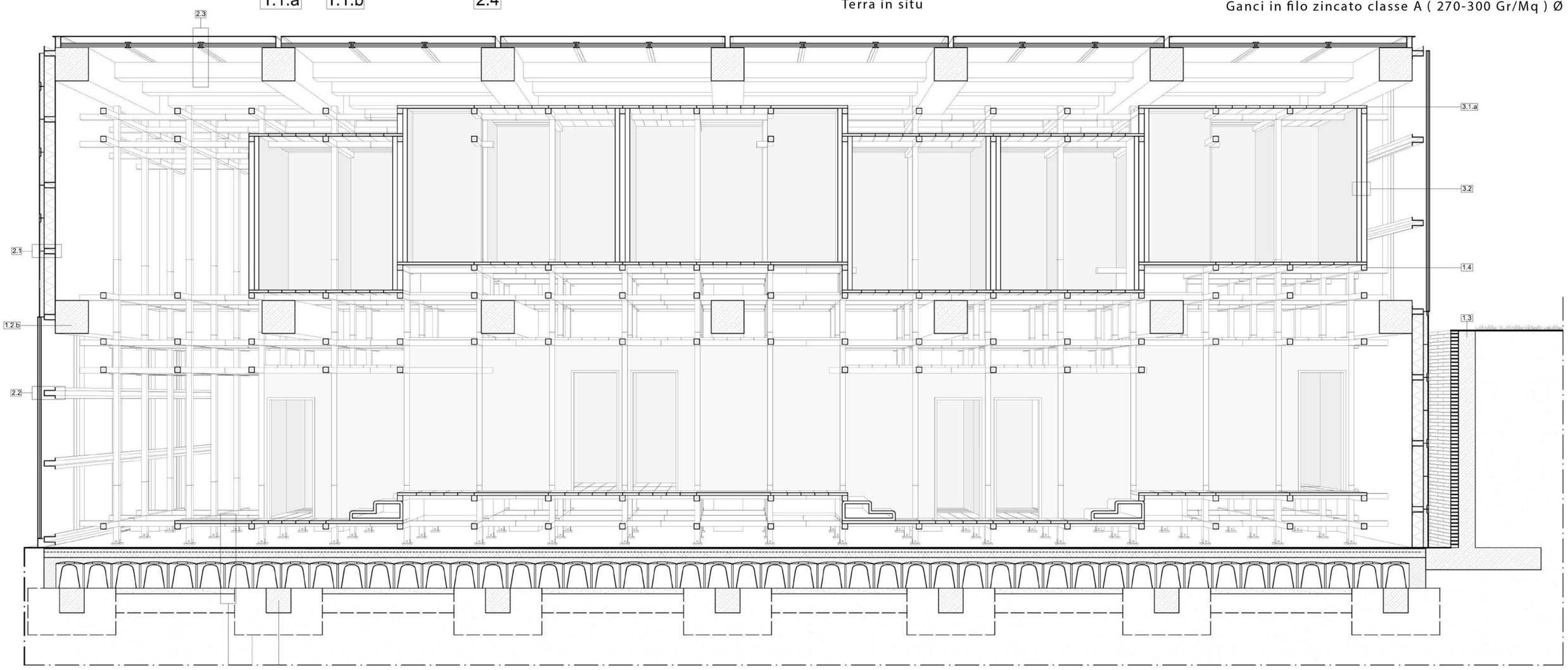
SEZIONE DELL'UNITA' ABITATIVA, SCALA 1:20



1.STRUTTURA
1.1 DI FONDAZIONE
1.1.a Plinto di fondazione in cls armato gettato n opera,
1600x1600x1200 mm
1.1.b Cordolo di fondazione in cls armato gettato in opera, 45x45 cm
1.2 DI ELEVAZIONE
1.2.a Pilastro in cls armato gettato in opera, 60x60 cm
1.2.b Trave in cls armato gettato in opera, 60x60 cm
1.3 DI CONTENIMENTO
Muro di contenimento in cls armato gettato in opera
1.4 GUEST
Telaio travi e pilastri in legno massello, 10x10 cm

2.3 ORIZZONTALE SUPERIORE
Lamiera forata in acciaio, sp 5mm
Lastra in policarbonato alveolare con film protettivo UV, 60 mm
Profilo a "T"
SOTTOSTRUTTURA
In alluminio, profilo omegA
100x50x30 mm – sp. 3 mm
Travi in legno lamellare 300x400mm
2.4 ORIZZONTALE INFERIORE
Telaio travi e pilastri in legno massello, 10x10 cm
Pavimentazione in assi di legno massello
35x1300 mm, sp. 50 mm
Pavimentazione tipo industriale a base cementizia con polvere di quarzo, 20 mm
Massetto di livellamento in cls 80 mm
Guaina impermeabilizzante
Pannello termoisolante in polistirene , 100 mm
Getto di completamento in cls 80 mm
Rete elettrosaldata Ø 8, 200x200 mm
Cassere in plastica a perdere, 480 mm Igloo Cupolex Magrone, 100 mm
Terra in situ

2. CHIUSURA
2.1 VERTICALE OPACA: Pacchetto di confinamento tipo PIZ, 89 mm
Paramento in malta cementizia fibrorinforzata modificata 9 mm
Supporto isolante in polistirene espanso sinterizzato, 80 mm
Sottostruttura in alluminio, profilo omega,
100x50x30 mm, sp. 3 mm
Collante, 4 mm
Pannello rigido in lana di roccia a doppia densità, 200 mm
Rasante per intonaco, 15 mm
Intonaco a base di calce, 15 mm
2.2 VERTICALE TRASPARENTE
Lastra in policarbonato alveolare con film protettivo UV, 60 mm
Telaio fisso, sp. totale 120 mm
Montante in acciaio zincato
Profilo a scatto in acciaio zincato con esterno plastificato
3. PARTIZIONI INTERNE
Telaio travi e pilastri in legno massello, 10x10 cm
3.1.a ORIZZONTALE OPACA
Assi di legno massello, 35x1300 mm, sp. 50 mm
3.1.b ORIZZONTALE TRASPARENTE
Lastra alveolare in policarbonato con telaio fisso in alluminio, 16 mm
3.2 VERTICALE
Pannello di rivestimento in cartone riciclato, sp. 22 mm
Pannello termoisolante in paglia pressata, sp. 60 mm
Sottostruttura in travetti in legno massello, 40x60 mm
Intercapedine attrezzata, sp. 40 mm
Pannello termoisolante in paglia pressata, sp. 60 mm
Pannello di rivestimento in cartone riciclato, sp. 22 mm
4. PARTIZIONI ESTERNE
Soletta in cls, 30x50 mm
Palo in acciaio zincato a caldo ⍰ 60 m - spessore 2.5 mm
Pannelli di rete elettrosaldata in filo zincato classe A (270-300 Gr/Mq)
Ø 6 mm- maglia 50x200 mm
Strato drenante in ghiaia di fiume
Ganci in filo zincato classe A (270-300 Gr/Mq) Ø 6 mm



SEZIONE PROSPETTICA,SCALA 1:50

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Laboratorio di Progettazione dell'architettura A

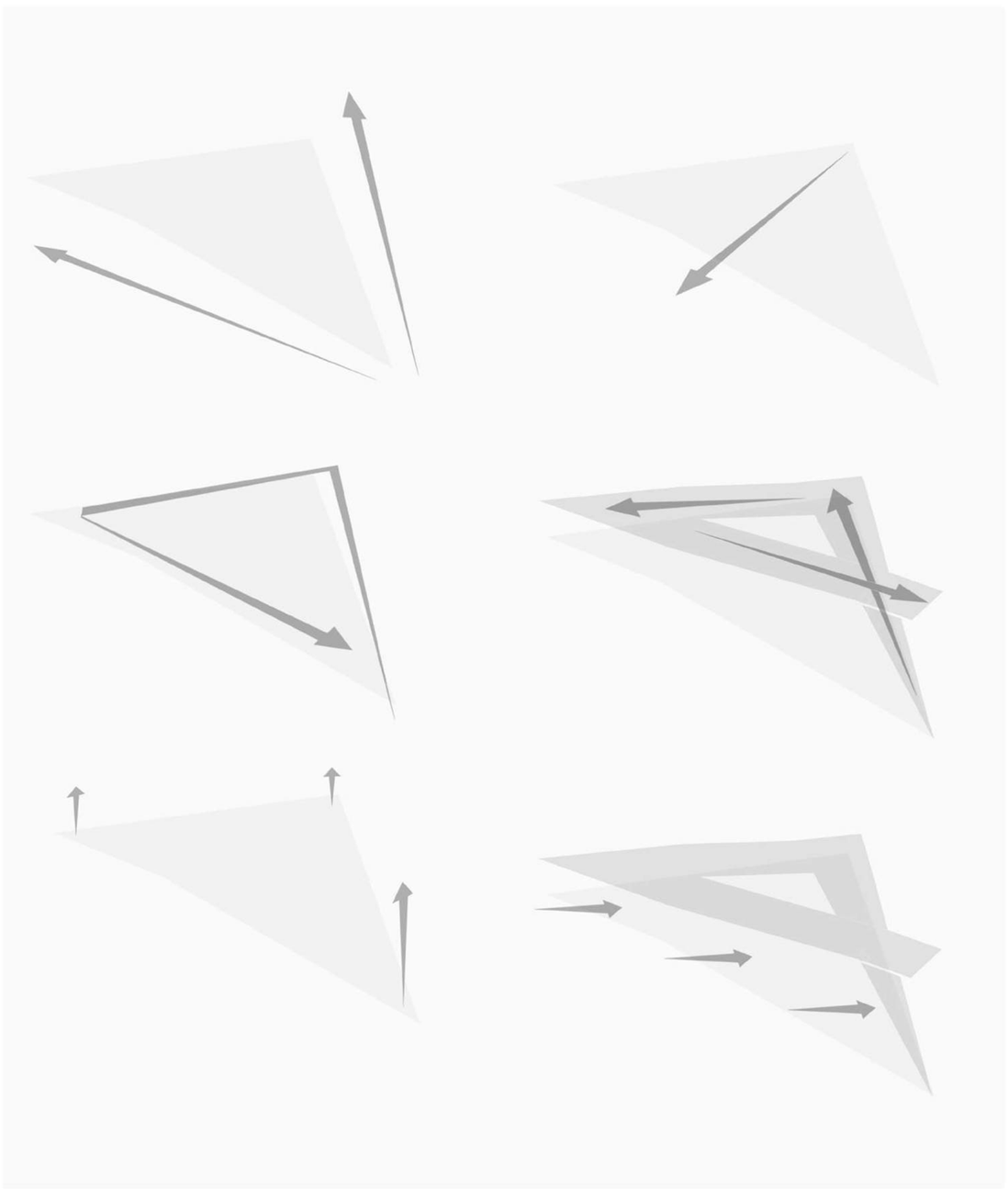
prof. Luigi Coccia prof. Sara Cipolletti TUTOR Giuseppe Paolucci A.A. 2017/2018
con: Dijana Bukvic, Alessandro Caioni

BORGHI IN RETE starting points
TAVOLA CURRICULARE
stud. Cascioli Giulia

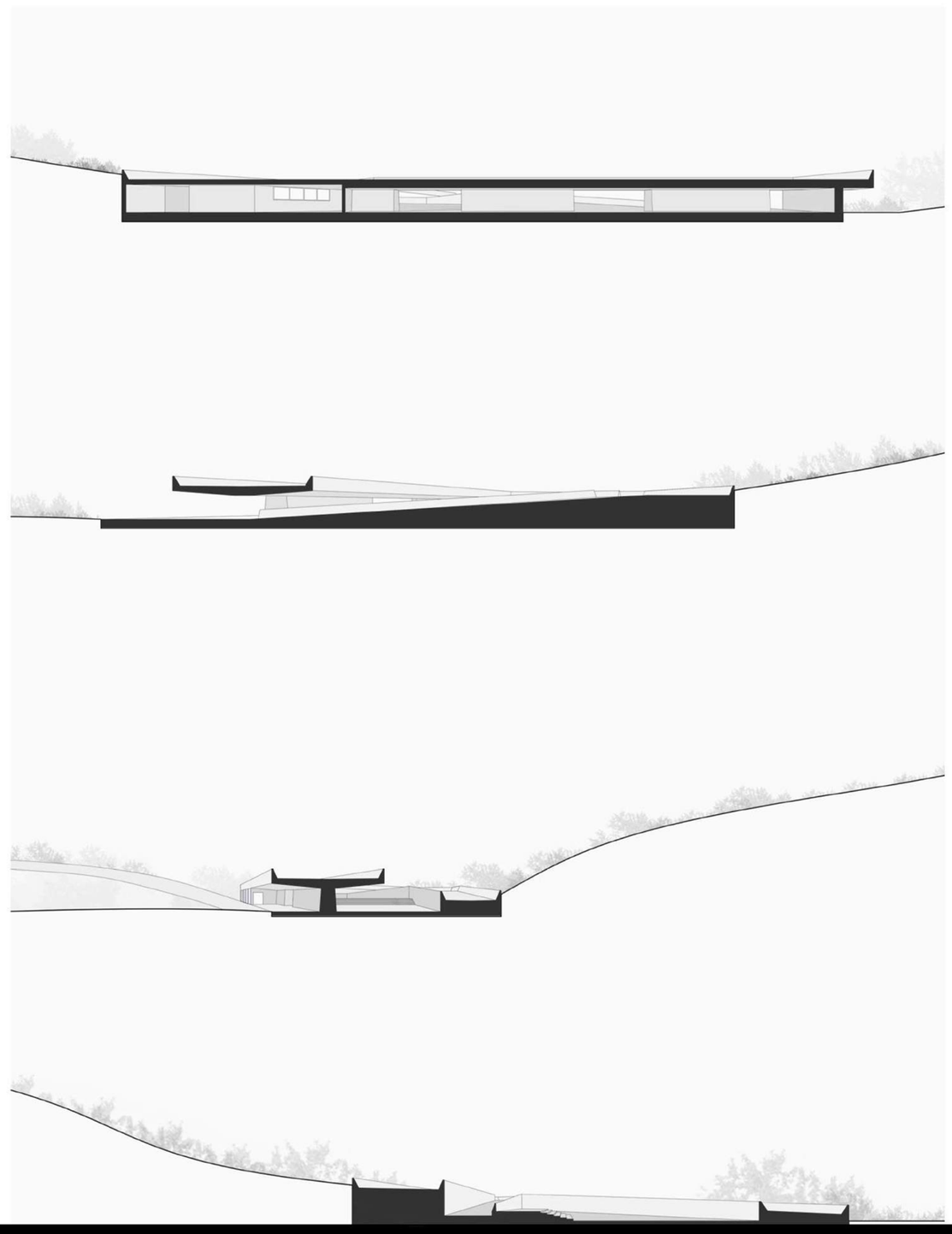
ANALISI

MASTERPLAN

CONCEPT



SEZIONI



Kaira Looro - Cultural Center in Senegal

To Be

Our project for the cultural center in the city of Sedhiou aims to create a space in which cultures can be handed down and disseminated.

The goal is to devise a sustainable architecture that promotes the teaching and conservation of traditions through the use of materials found in the areas surrounding the area taken into consideration.

An architecture that must be socially and economically sustainable, given the use of the various activities that take place in the region, such as agriculture and crafts. In the Sedhiou region there are many varieties of tree species used for the production of building materials; the processing of fabrics is also important, through techniques handed down for centuries.

Our project develops longitudinally along the lot, where we have worked by adding and subtracting volumes. Addition as regards the four volumes with the functions of the buildings while subtracting for the preparation of external spaces such as gardens and gardens. Above these volumes we went to insert a large wooden structure.

The covered area is 518 square meters while the open space is 397.7 square meters.

In the four interiors we have designed exhibition spaces, small offices, toilets and spaces where the traditions and culture of the place are handed down and learned. Outside four excavations characterize the space around with plantations of fruit trees and the reuse of materials such as wood for furnishings.