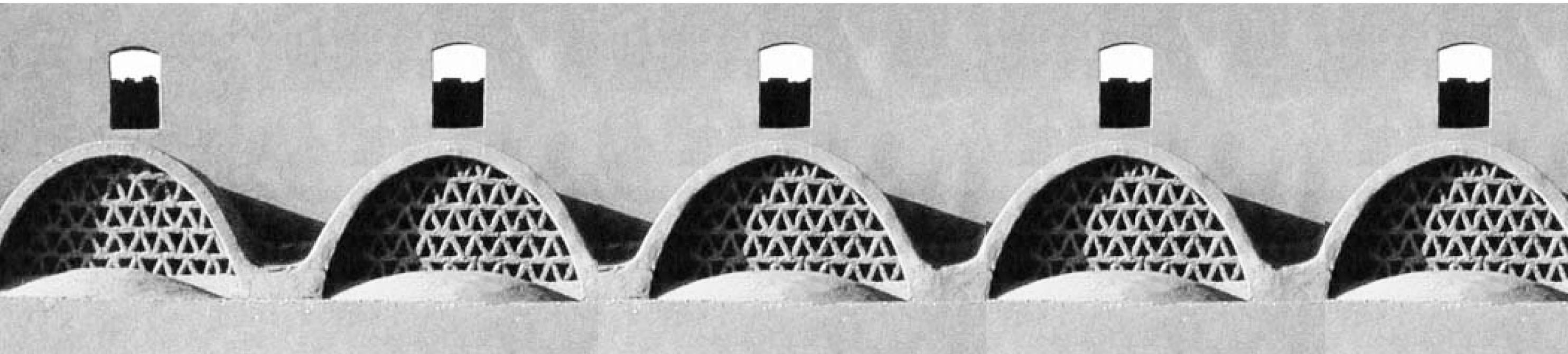
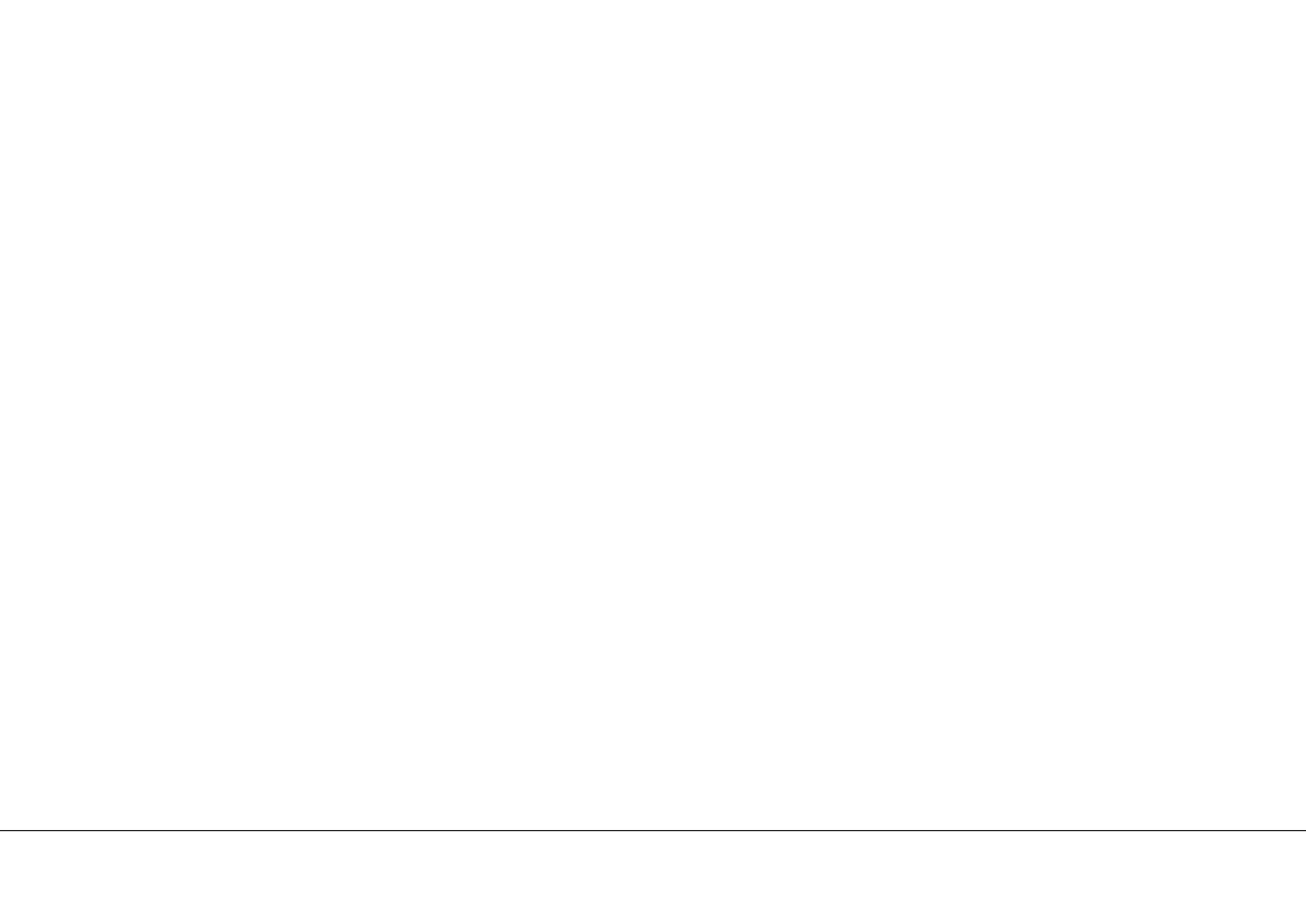


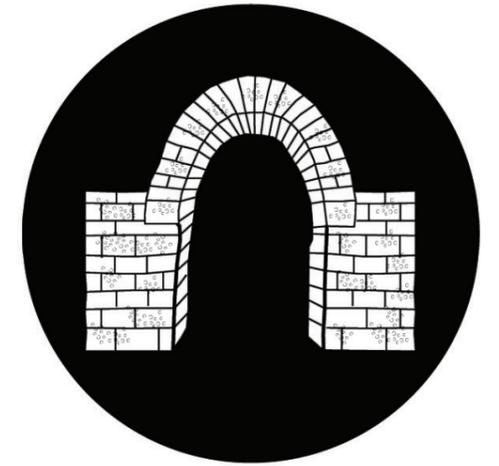
THE NUBIAN VAULT



GRAPHIC PROJECT BY







TOOLS

- STRING
- MEASURING TAPE
- NAIL
- TROWEL



MATERIALS

- COMPRESSED EARTH BRICKS
- MORTAR
- CEMENT

DRAWING THE VAULT |

TOOLS

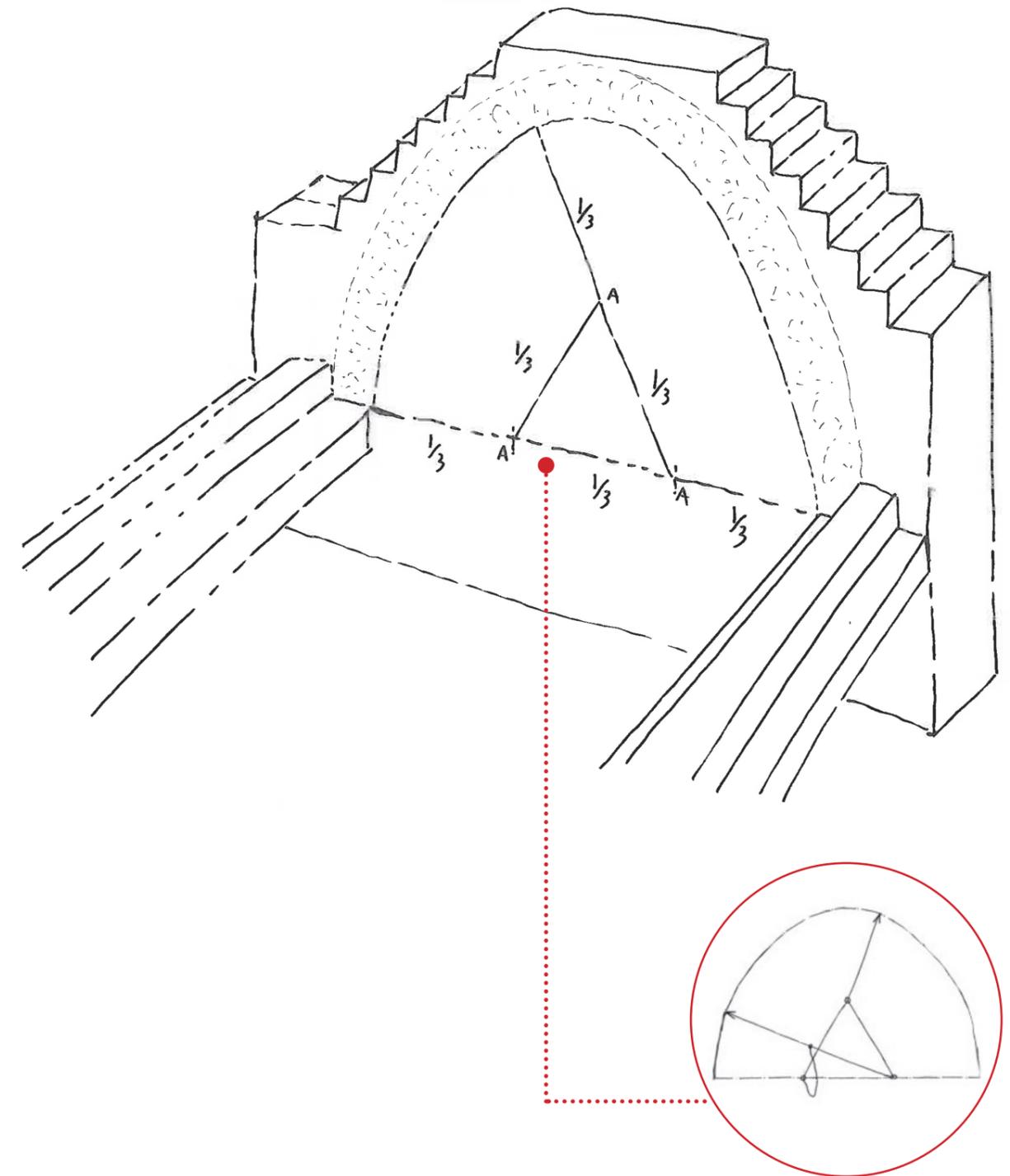


PROCESS

DRAWING THE VAULT WITH STRINGS

- I. BUILT THE SUPPORTING WALL
- II. LAY THE SUPPORT BEAMS OF THE VAULT TO OBTAIN THE NEEDED HEIGHT
- III. MARCK THE VAULT ON THE WALL:
 - MEASURE THE WIDTH OF THE VAULT AND DIVIDE IT INTO THREE EQUAL PARTS
 - FASTEN WITH NAILS THE FOUND POINTS
 - TIE TWO WIRES IN ORDER TO OBTAIN THREE SEGMENTS OF THE SAME LENGTH (1/3 OF THE BASE)
 - TIE THE STRINGS TO THE NAILS AND DRAWING THE ARC

MATERIAL



Detail of the use of the strings

III. Drawing the vault

DRAWING THE VAULT |

TOOLS

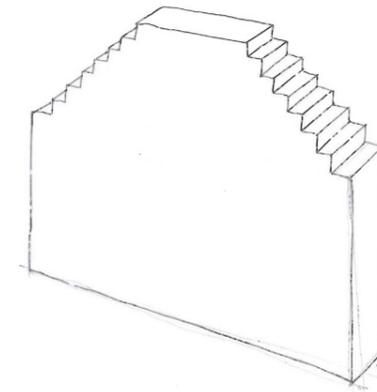


MATERIAL

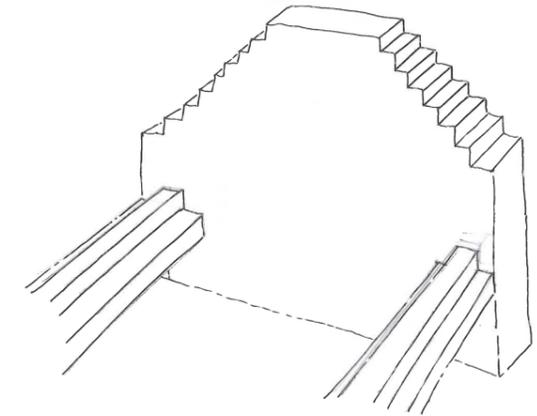
PROCESS

DRAWING THE VAULT WITH STRINGS

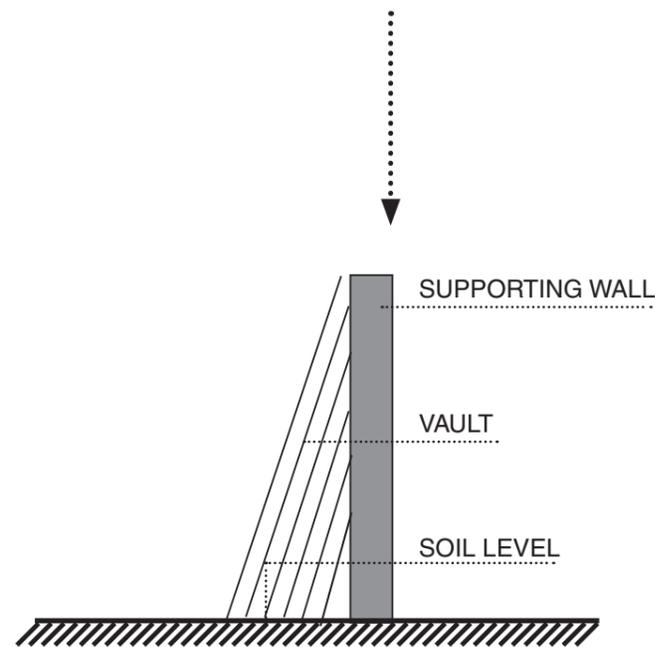
- I. BUILT THE SUPPORTING WALL
- II. LAY THE SUPPORT BEAMS OF THE VAULT TO OBTAIN THE NEEDED HEIGHT



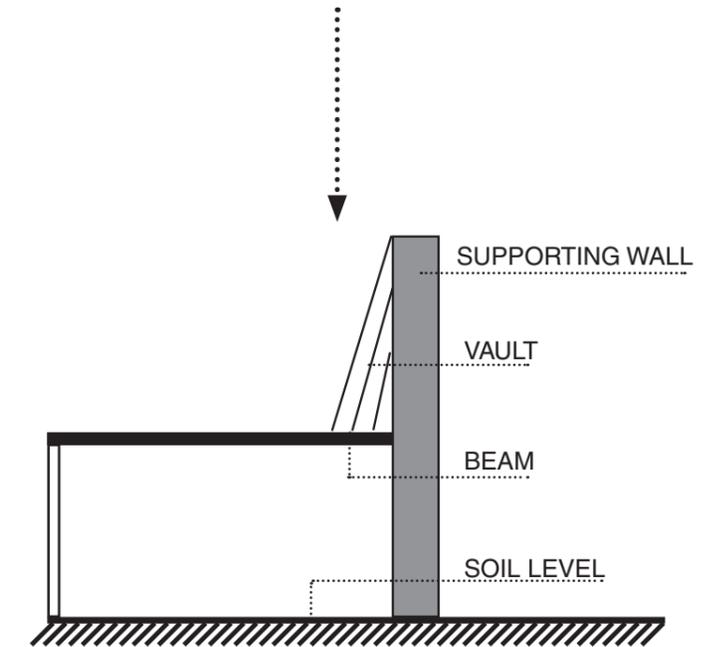
I. SUPPORTING WALL



II. SUPPORTING BEAMS



START THE VAULT TO MEASURE 0,00



START THE VAULT TO MEASURE X

TOOLS



MATERIAL



PROCESS

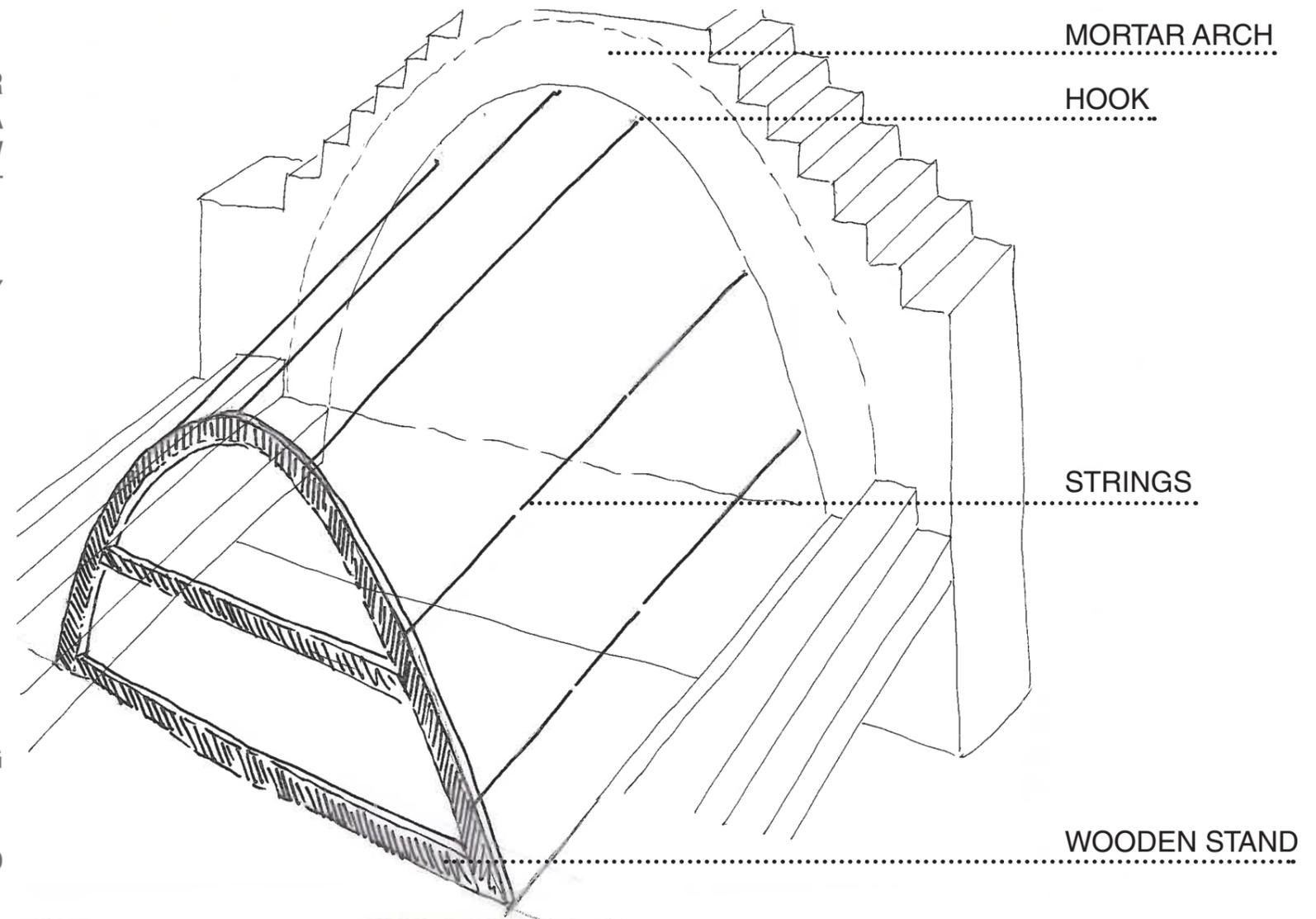
HELP FOR DRAWING:

TO DRAW THE VAULT WITH GREATER ACCURACY IT IS POSSIBLE USE A SYSTEM THAT PERMITE TO FOLLOW THE CORRECT TRACK OF THE VAULT DURING CONSTRUCTION.

FOR THIS SYSTEM IS NECESSARY FABRICATE A WOOD STAND

PROCESS:

- FIX THE HOOK ON THE SUPPORTING WALL
- CONNECT THE HOOK AND STAND WITH HORIZONTAL LINE (STRING)



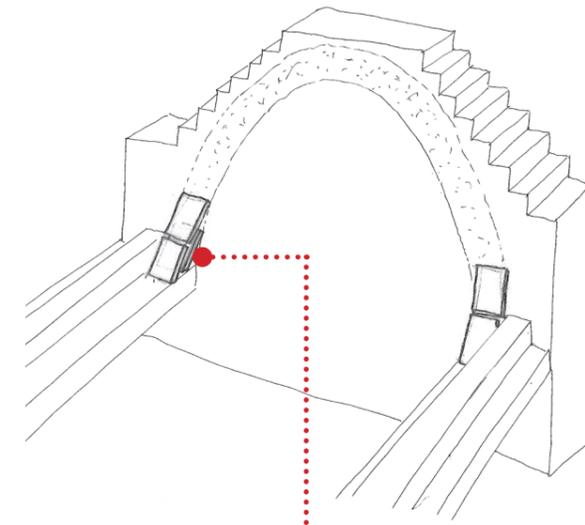
TOOLS



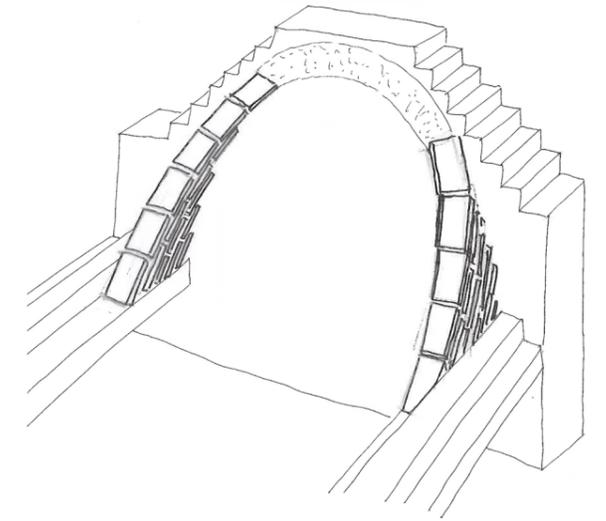
PROCESS

- I. -PLACE THE BRICKS IN ORDER TO FORM A 70 ° ANGLE WITH THE BASELINE OF THE VAULT THE FIRST BRICK WILL REST DIRECTLY ON SUPPORTING WALL ON WHICH WILL BE FIXED WITH THE MORTAR
- II. -PLACE IN SUCCESSION THE OTHER BRICKS TO DEFINE THE FIRST ARC
- III. - TO CONTINUE THE CONSTRUCTION OF VAULT THE ARCHS ARE POSITIONING ONE AFTER ONE

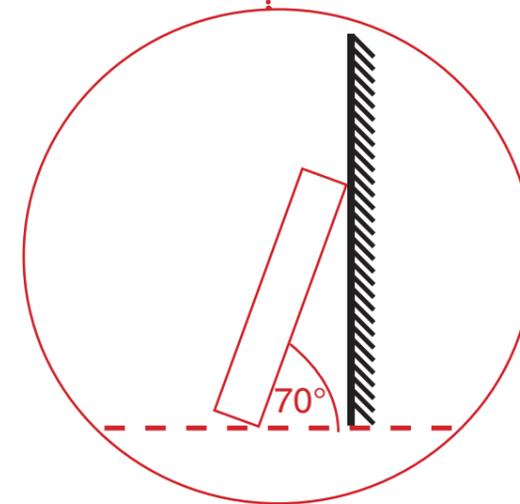
MATERIAL



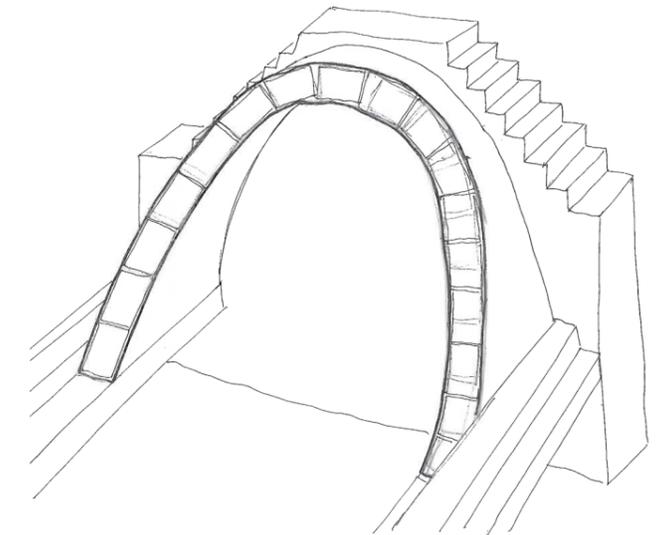
I.



II.



DETAIL OF THE POSITIONING OF THE BRICK



III.

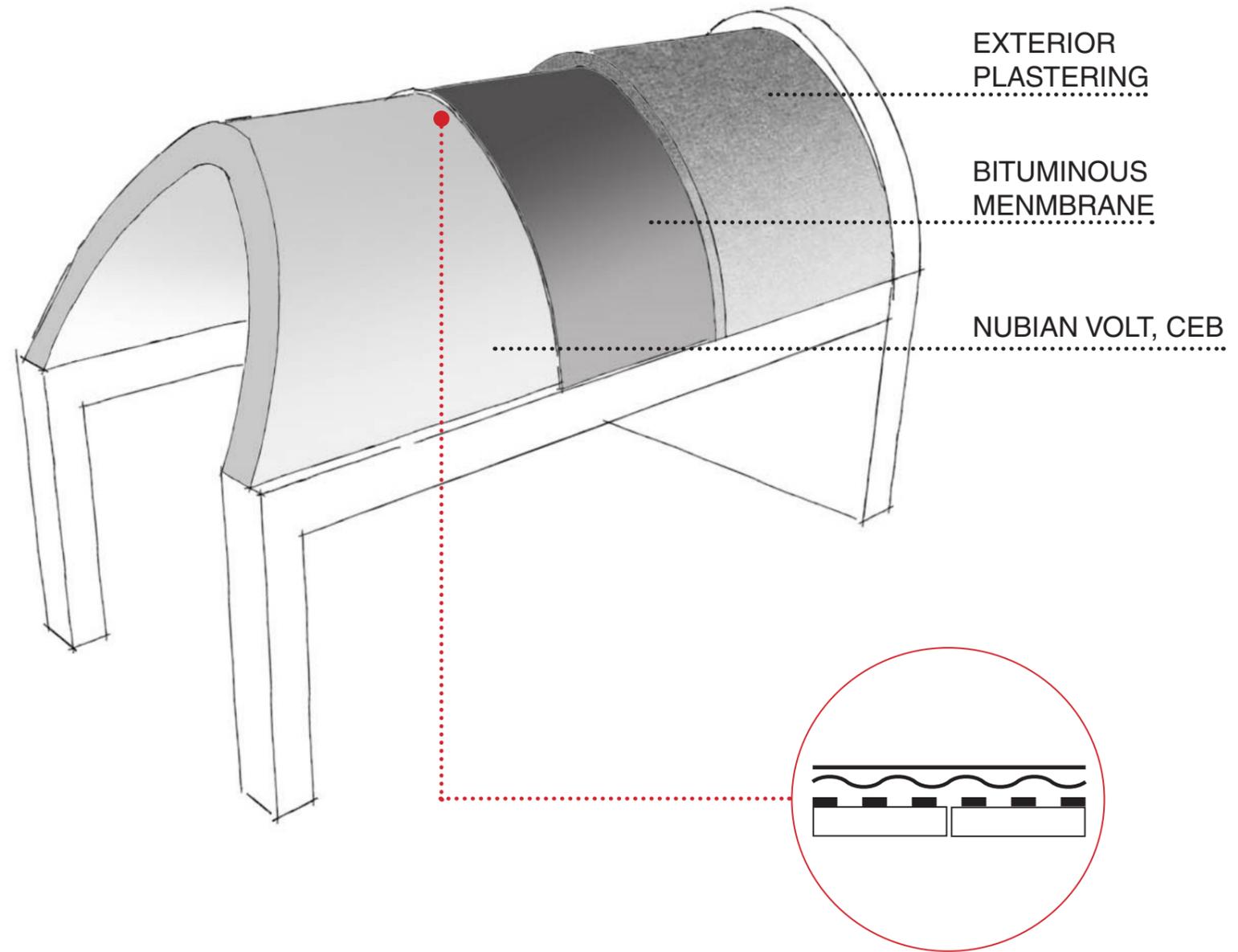
TOOLS

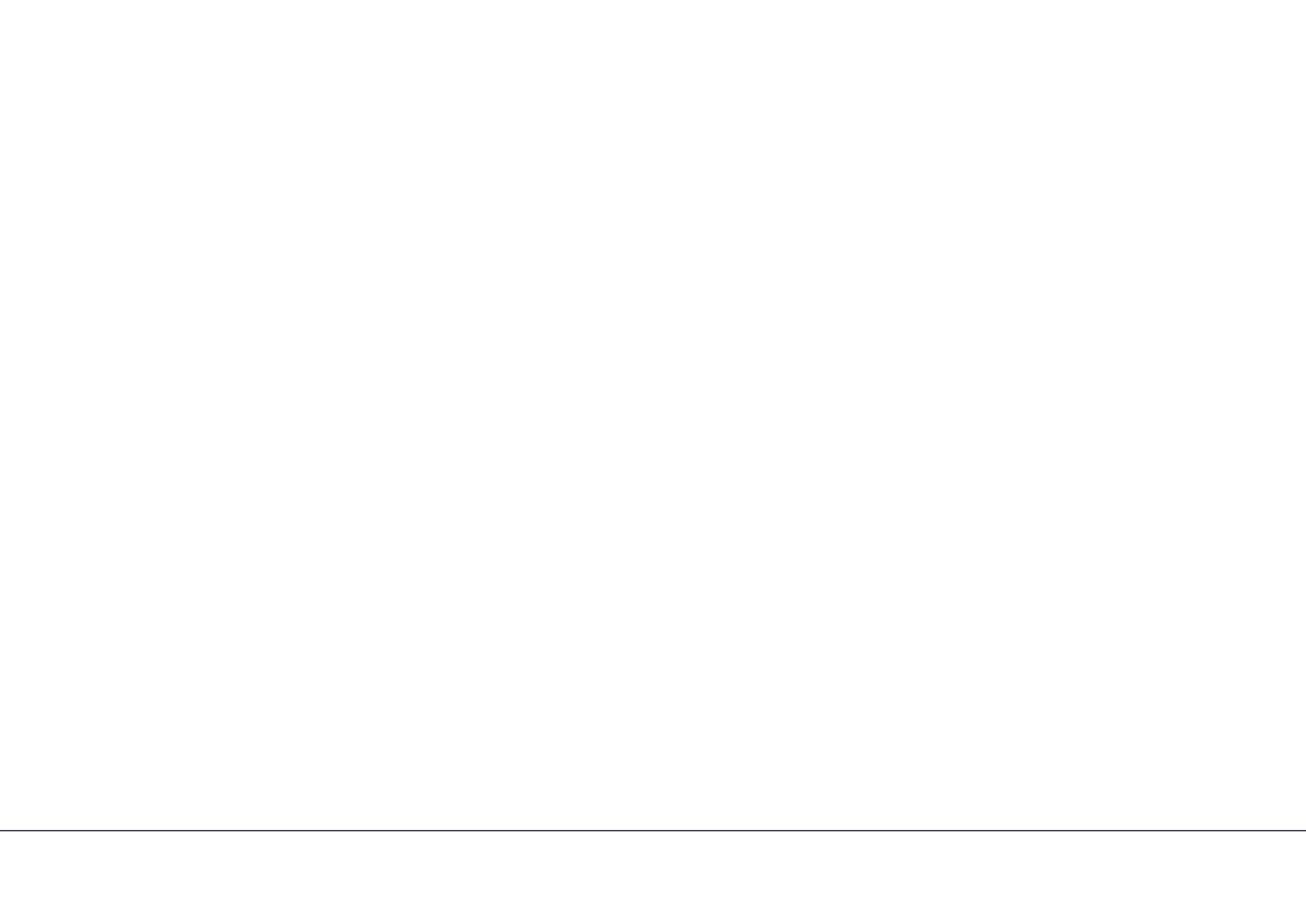


PROCESS

- I. -LAY TH BITUMINOUS MENMBRANE
- II.-COVERING WITH EXTERIOR PLASTERING OVER THE NUBIAN VOLT CLAY AND CEMENT (10 CM)

MATERIAL







GRAPHIC PROJECT BY

