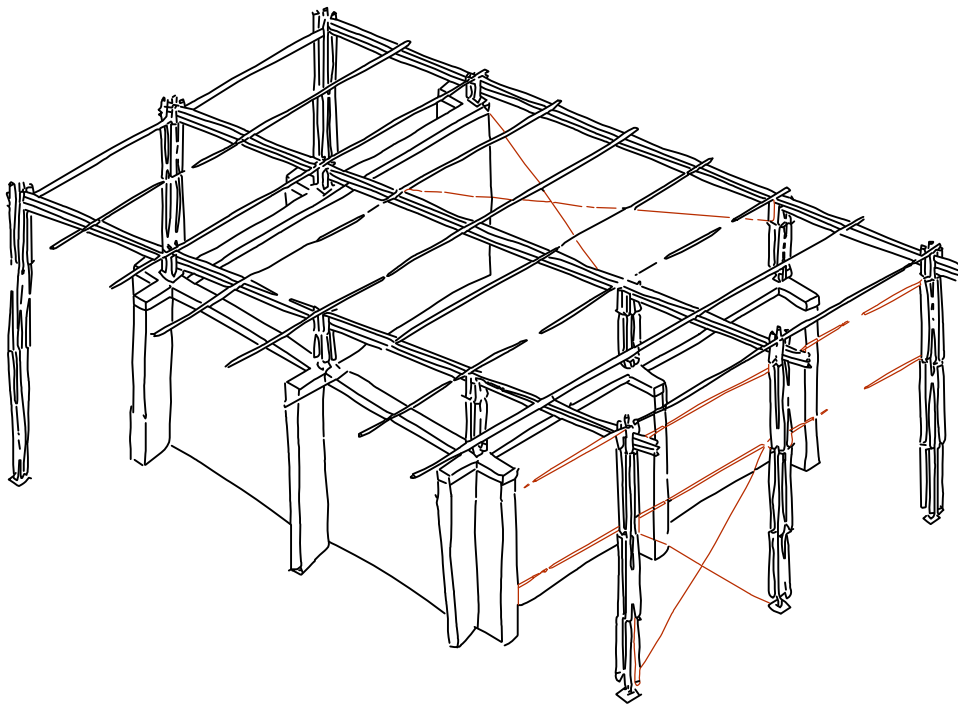


# CONSTRUCTION MANUAL

RESEARCH CENTER FOR INNOVATION ON LOCAL MATERIAL



**atelier kéré**

SPRING SEMESTER 17/18

LUDOVICA FRANCHETTI PARDO . ROBERTO RODRIGUEZ MARTINEZ



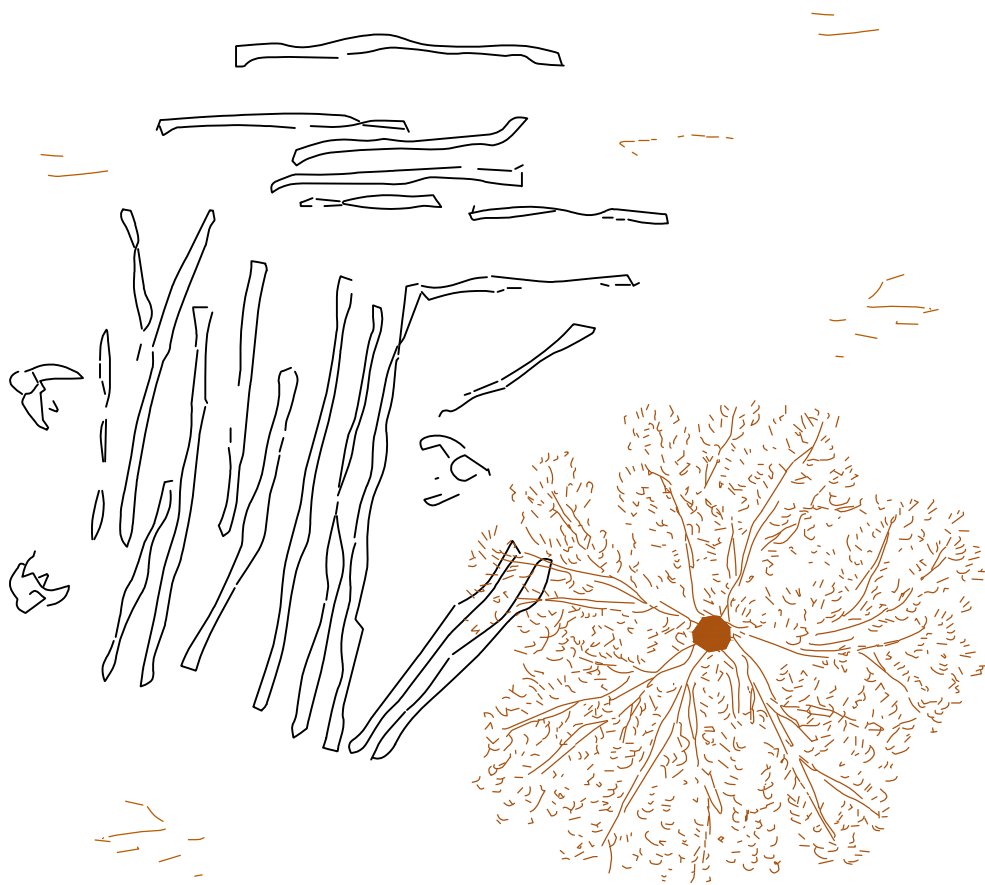
. PREPARATION OF EUCALYPTUS WOOD .



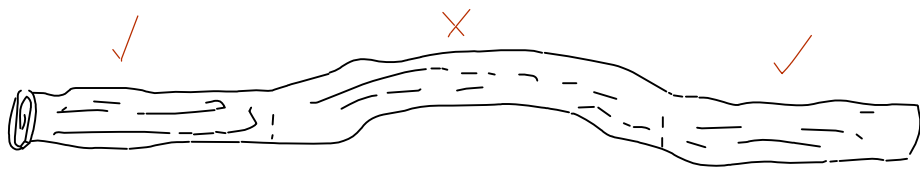
EUCALYPTUS WOOD IS CUT



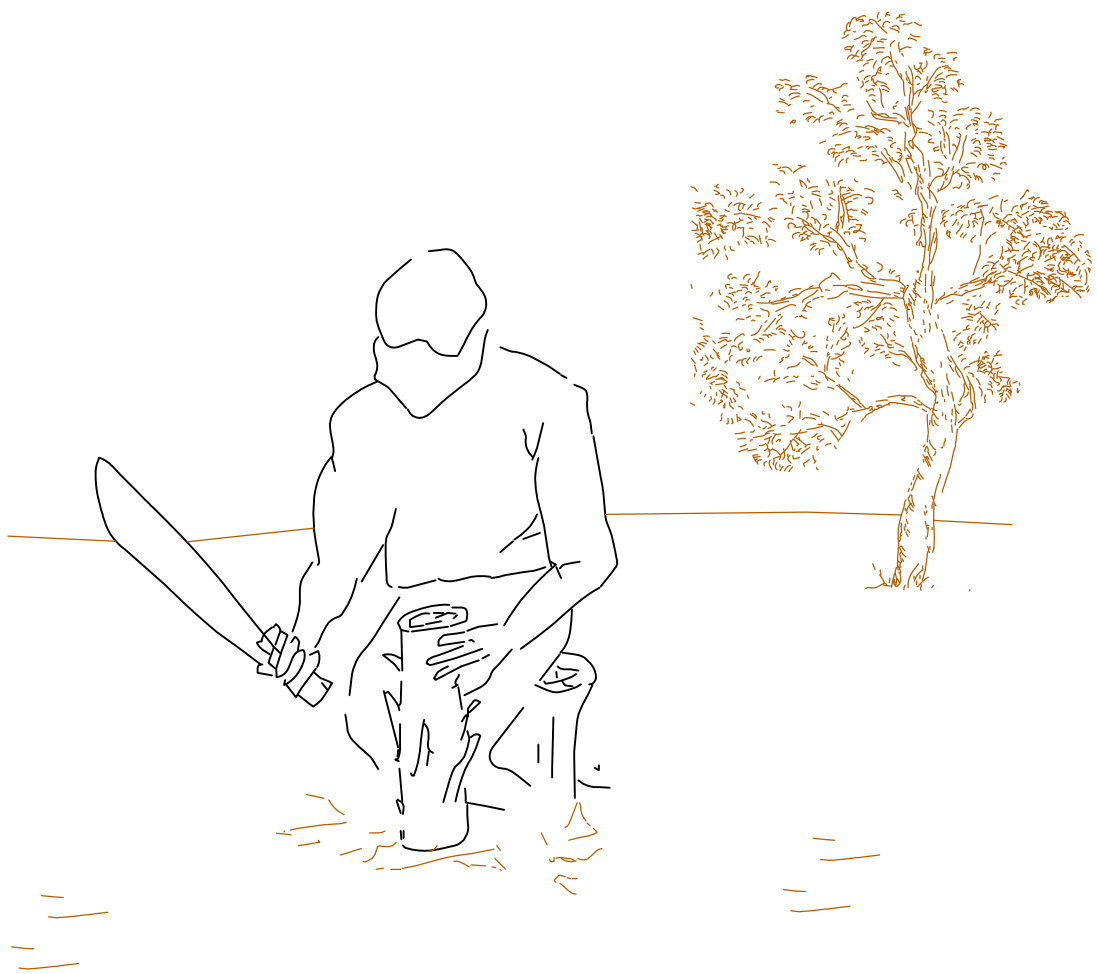
IT IS THEN TRANSPORTED ON SITE AND UNLOADED IN A WIDE AREA



PEOPLE ORGANIZE THE WOOD AND CHOOSE THE BEST SHAPED POLES

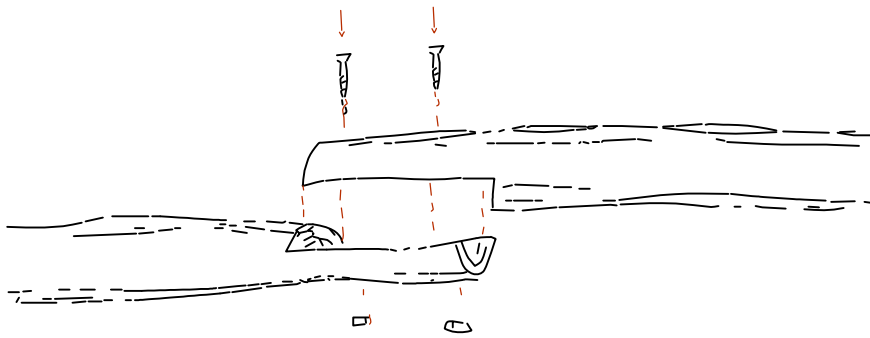


WOOD IS CUT AND ONLY THE STRAIGHTEST PARTS ARE KEPT. THE REST CAN BE BURNT

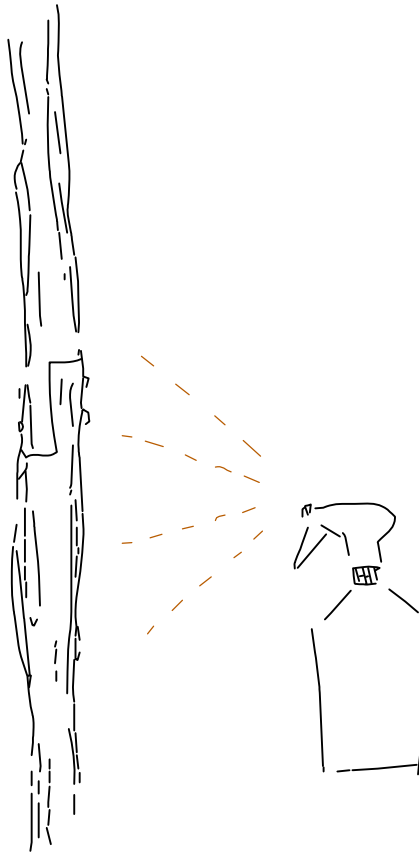


THE PIECES OF WOOD ARE CLEANED AND PEELED



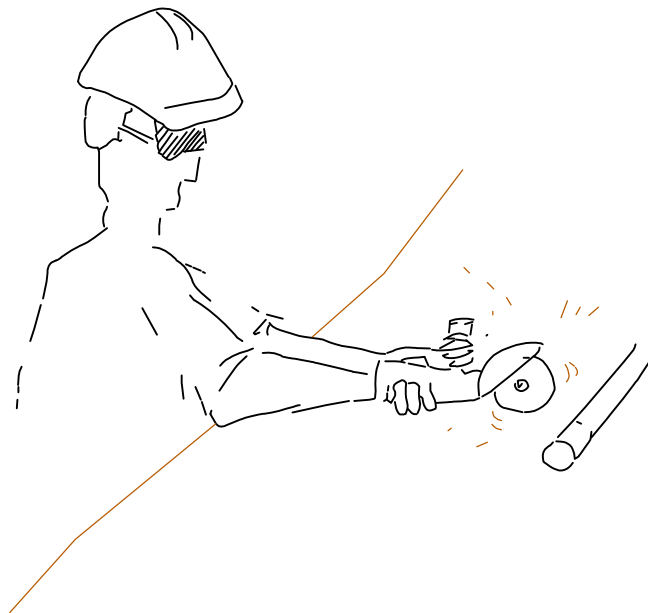


AND CAN BE JOINED AGAIN TO CREATE A STRAIGHT POLE.

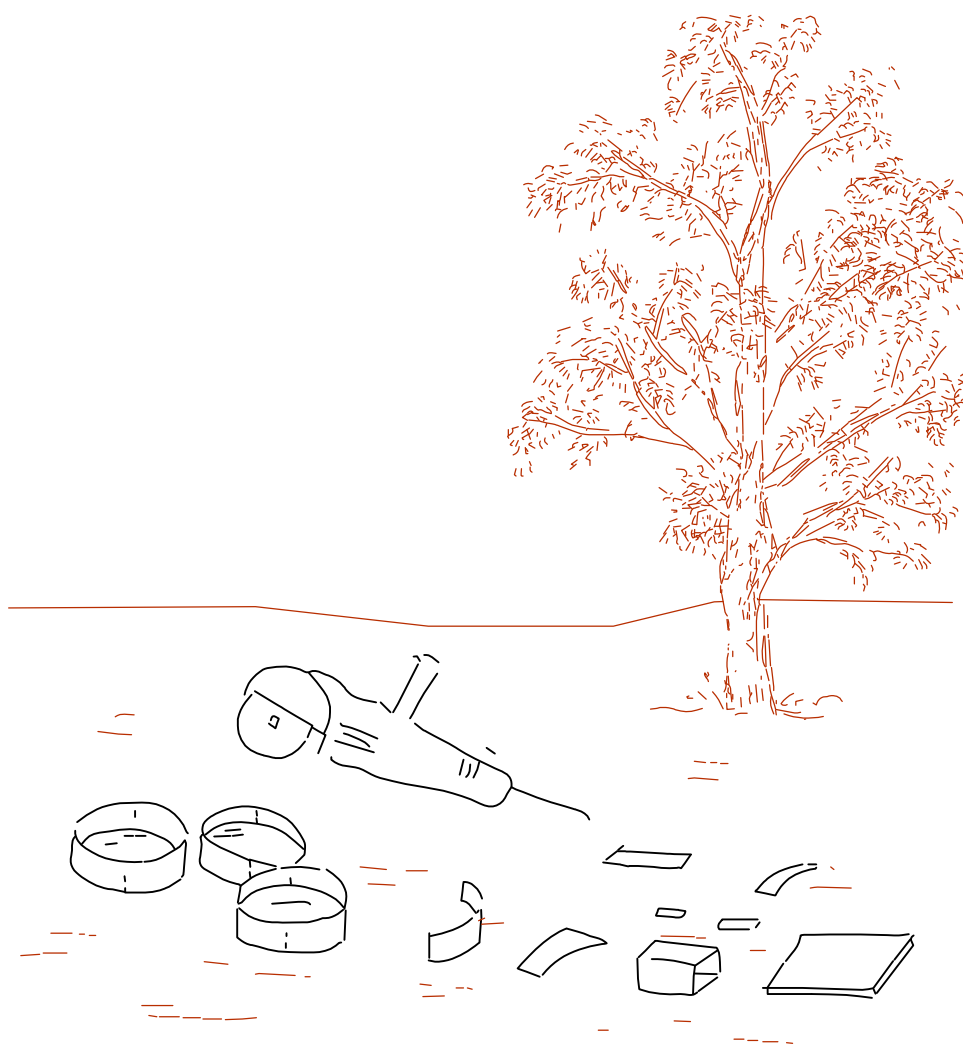


EVENTUALLY, EVERY POLE IS SPRAYED WITH A PRODUCT TO KEEP TERMITES AWAY.

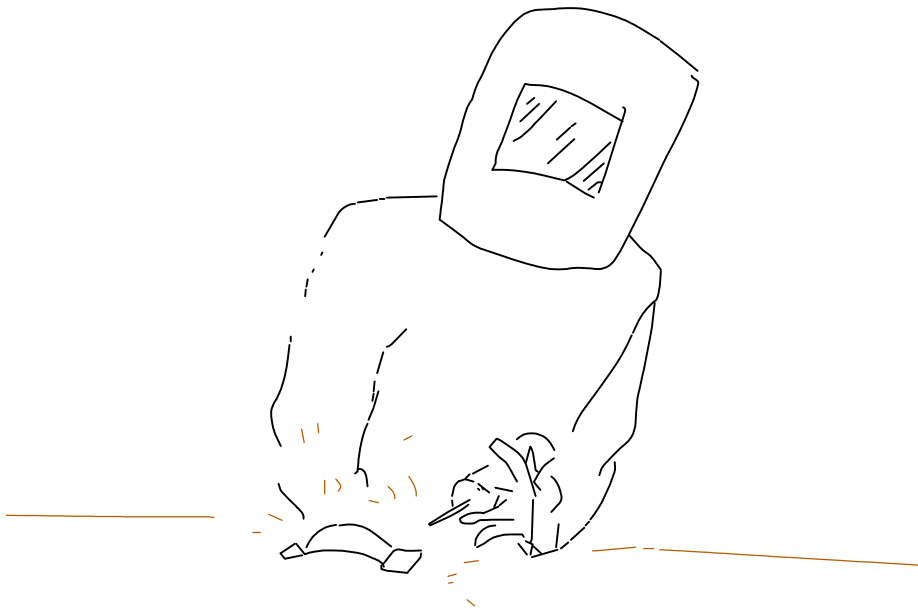
. PREPARATION OF THE METAL JOINTS .



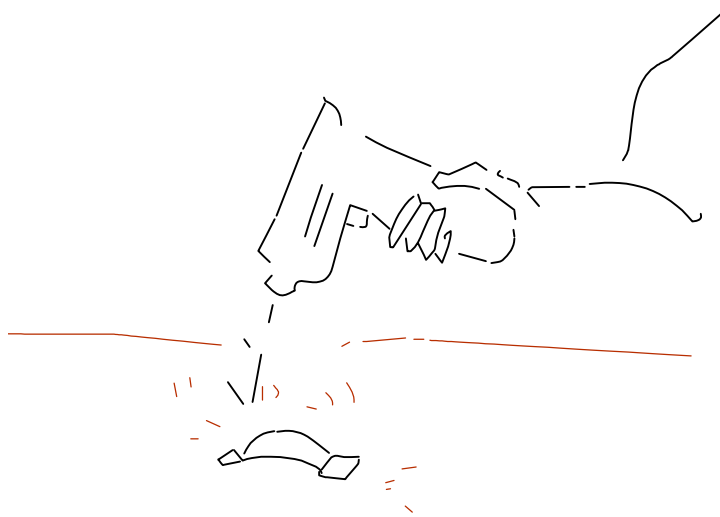
USING A GRINDER, TUBULAR PERFILES ARE CUT WITH THE PROPER DIMESIONS.



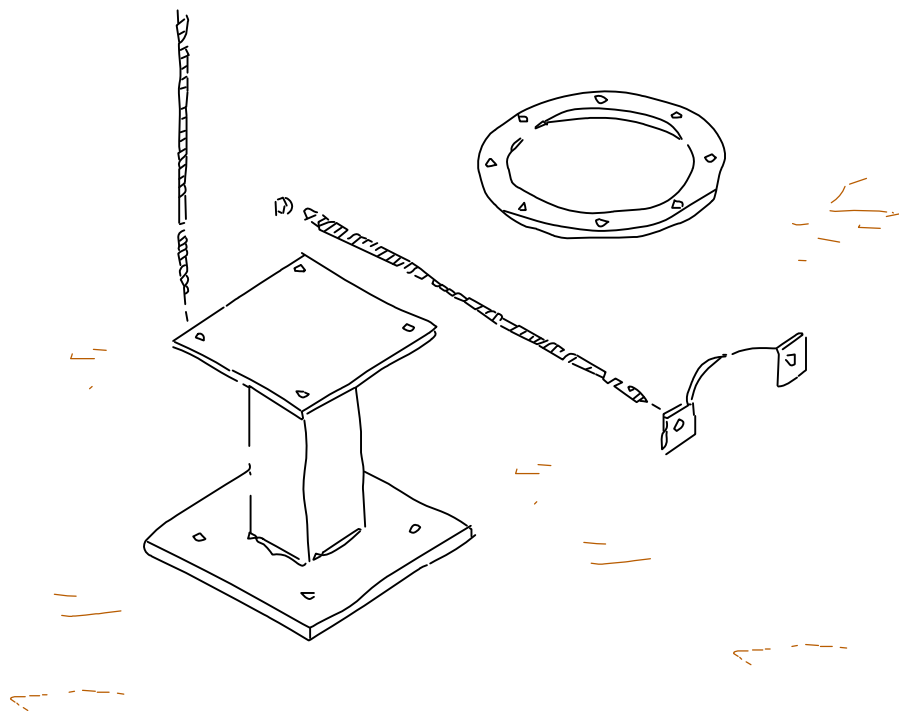
WHEN ALL THE PIECES ARE SET UP,



THEY ARE WELDED TOGETHER TO CREATE THE MAIN PARTS OF THE JOINT.

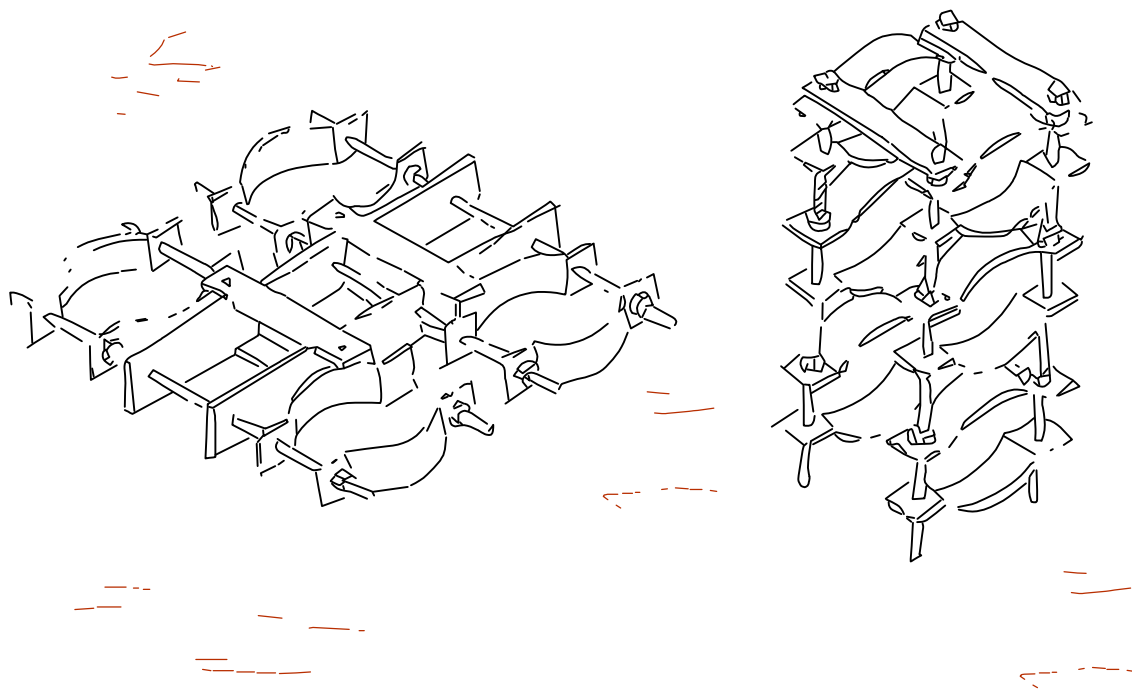


THE CYLINDRICAL COLLARS ARE THEN PIERCED WITH A DRILL.



THE KEY PIECES ARE THEN BOLDED TOGETHER IN VARIED CONFIGURATIONS

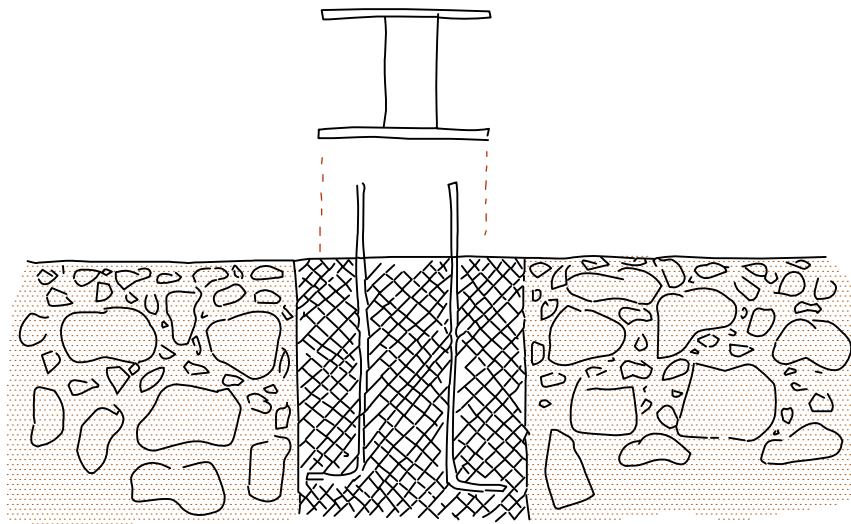




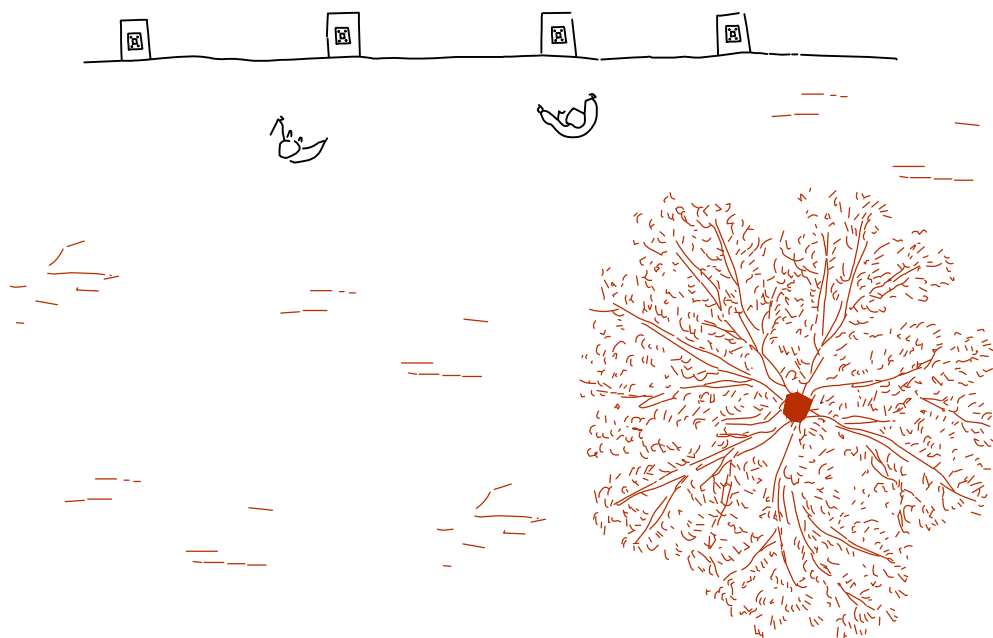
THE PIECES ARE BOLDED TOGETHER TO CREATE THE PILLAR AND THE BEAM JOINTS



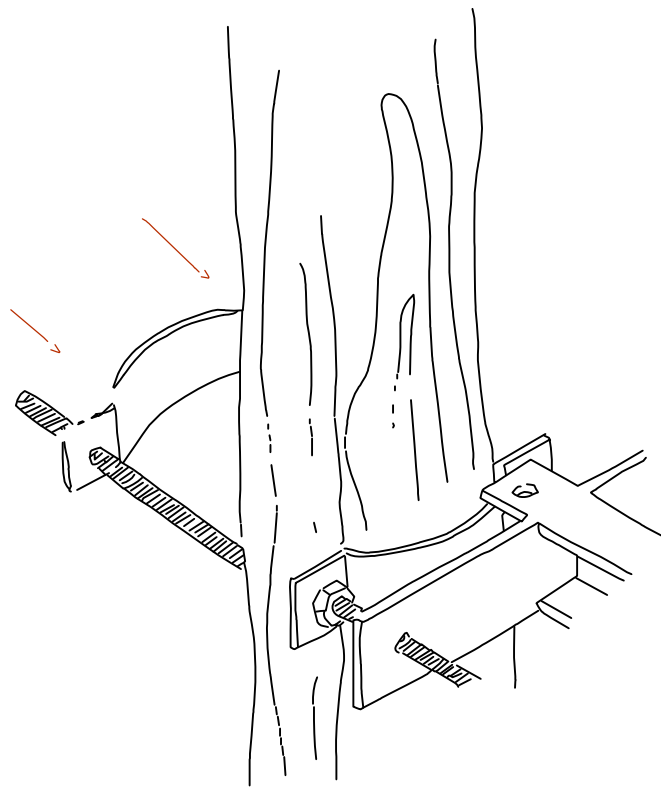
. ASSEMBLING A STRUCTURAL MODULE .



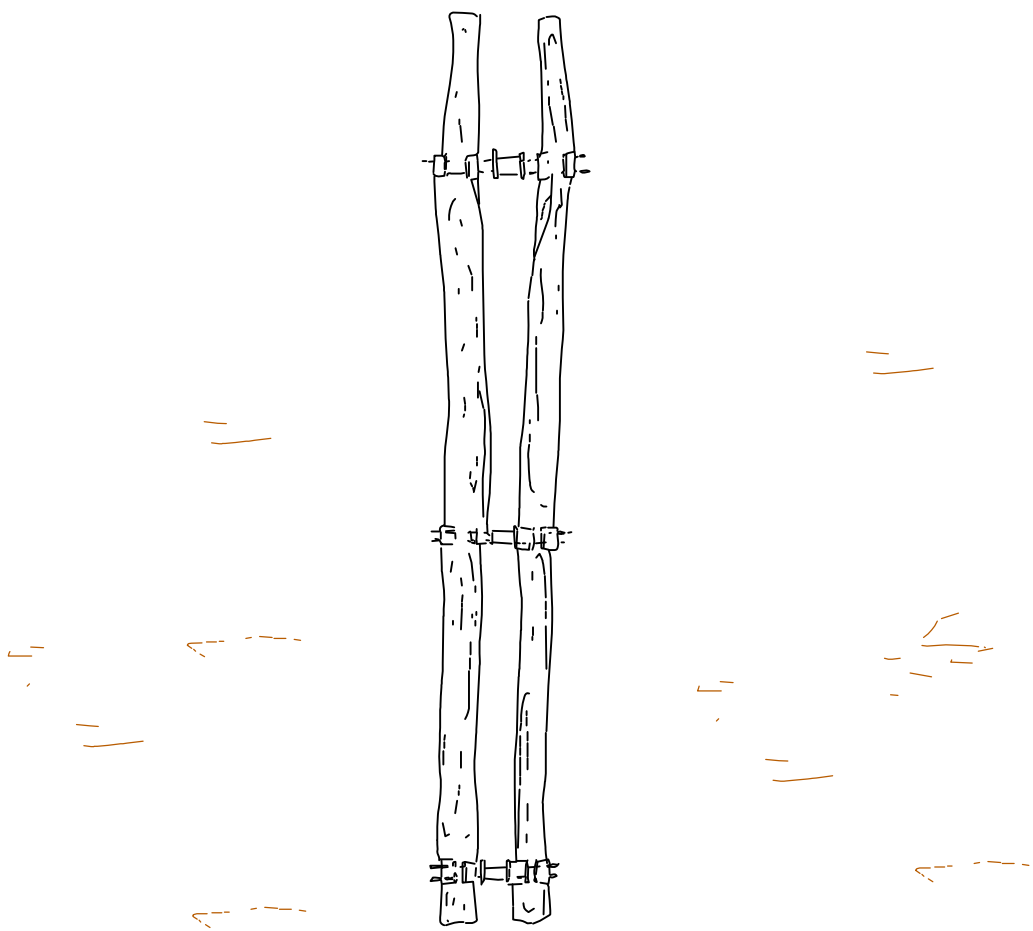
THE BASE JOINT IS FIXED INTO THE CONCRETE FOUNDATION



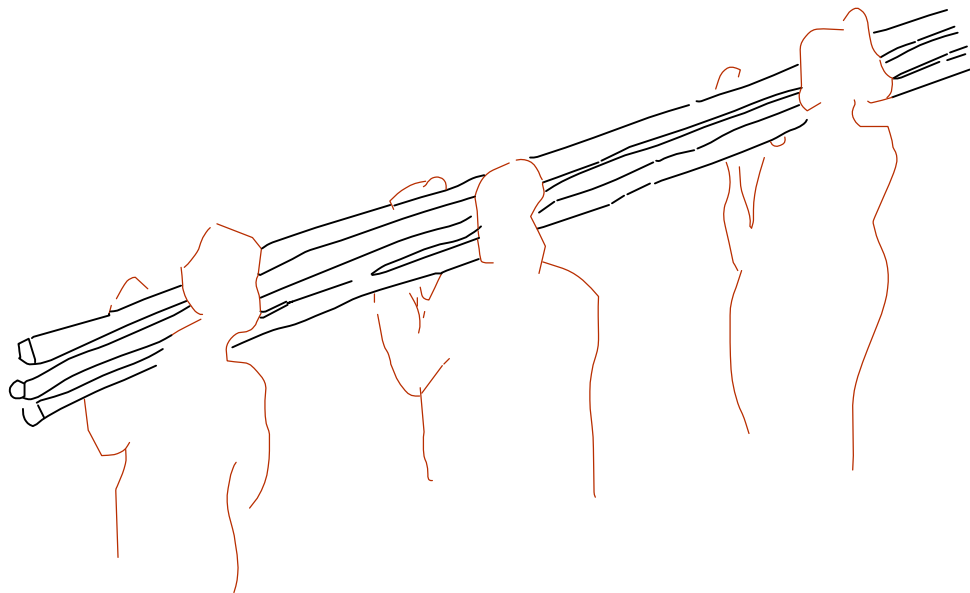
ALL THE FOUNDATIONS OF THE PILLARS ARE SET AT A GIVEN DISTANCE



THE WOODEN POLES ARE INSERTED INTO THE JOINT AND BRACED WITH BOLTS.

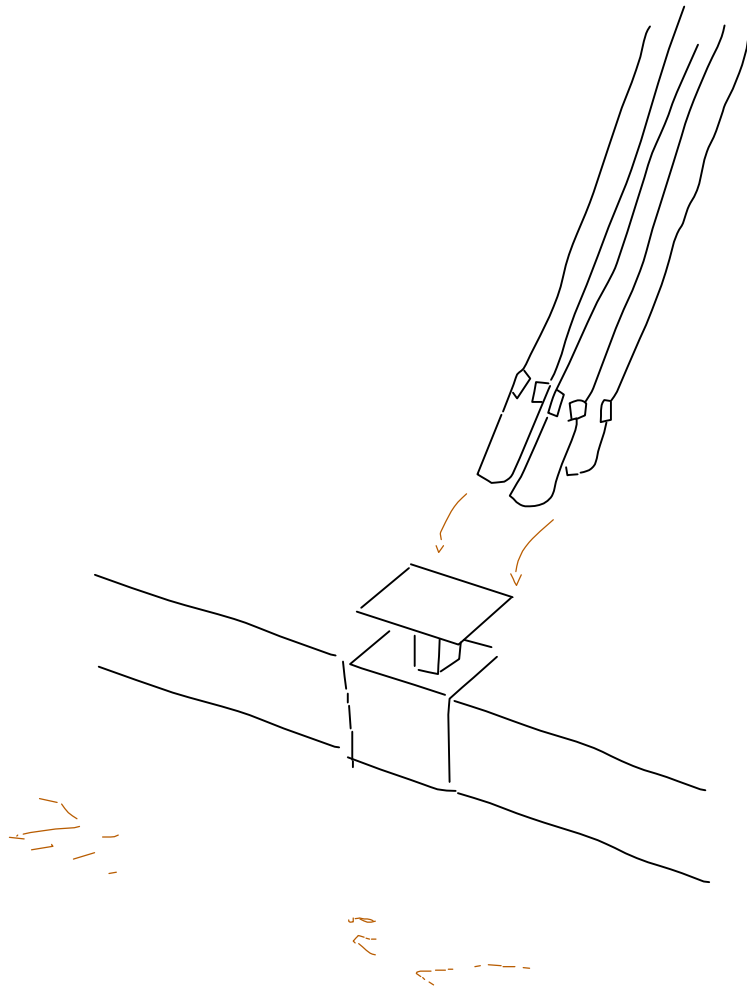


THE UNION OF FOUR EUCALYPTUS POLES MAKES A SINGLE PILLAR.

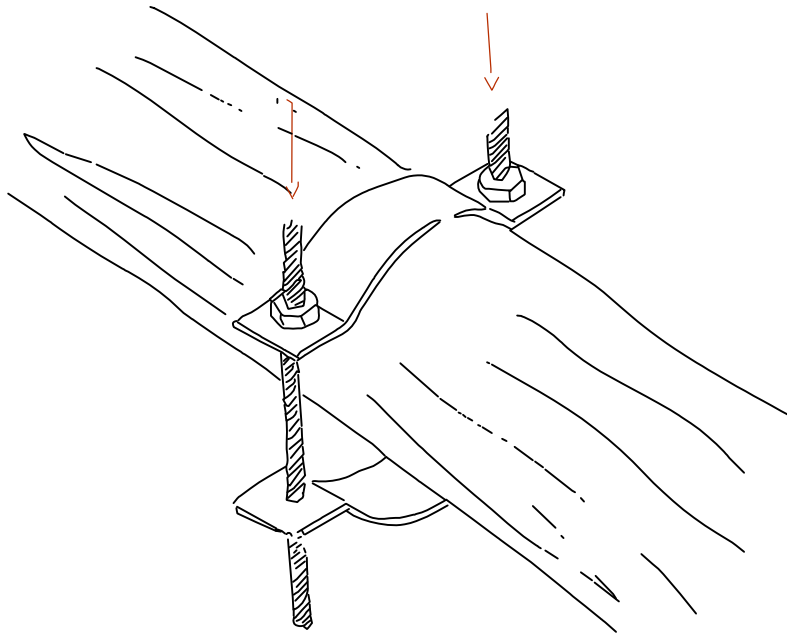


PILLARS ARE THEN BROUGHT ON SITE

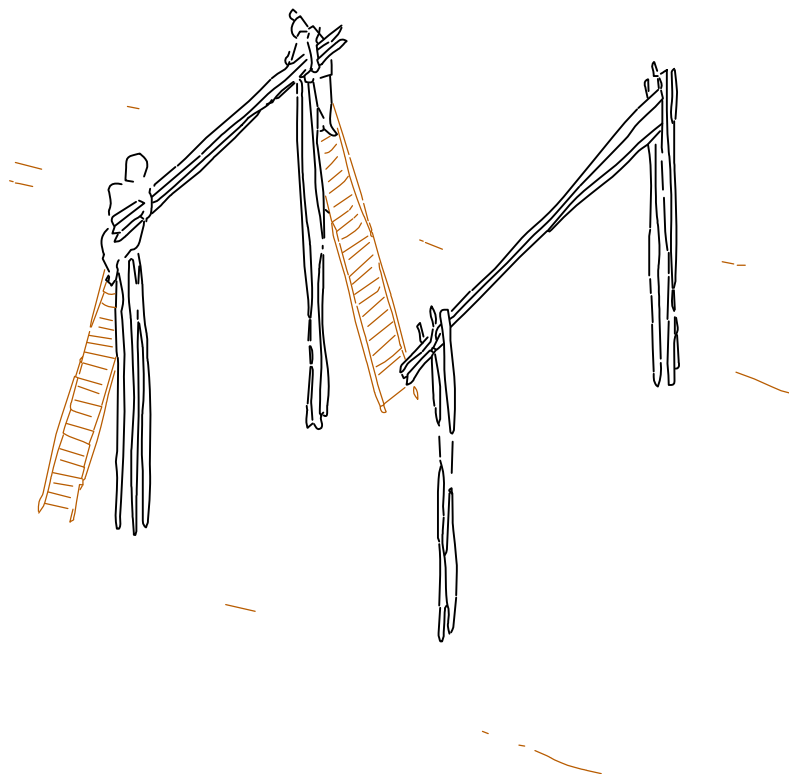




AND THEY ARE FIYED TO THE BASE JOINT AND THE FOUNDATION.



WITH A SIMILAR SYSTEM, BEAMS TOO ARE KEPT TOGETHER BY THE ADAPTABLE JOINT.



BEAMS AND PILLARS ARE UNITED TO CREATE THE BASE STRUCTURE.

