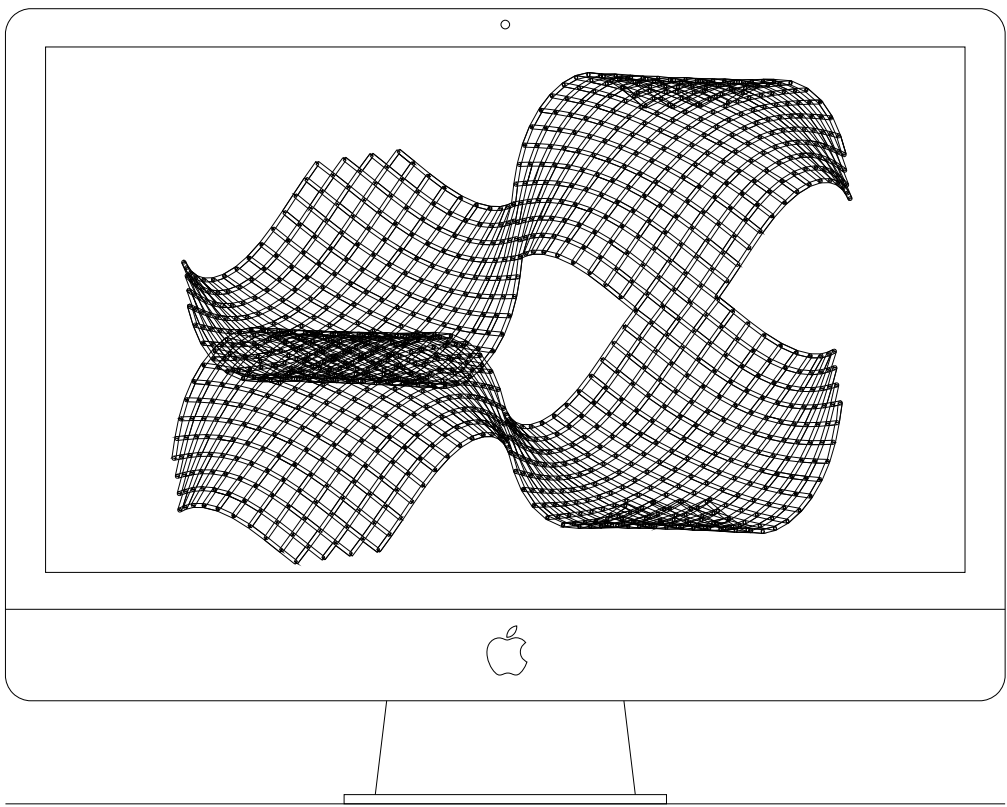
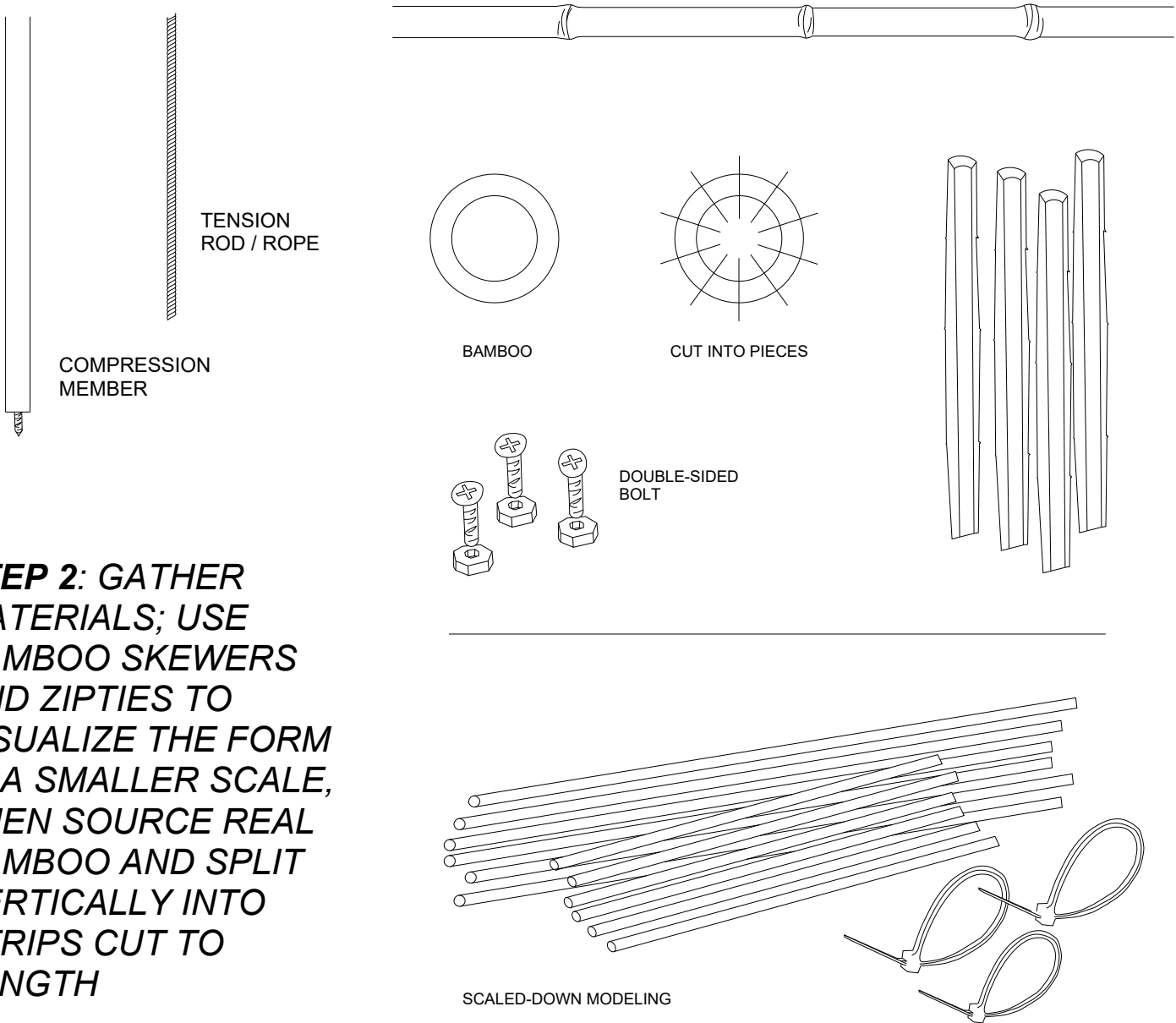


USER-MANUAL GUIDE

STEP 1: SET A DESIGN INTENT, A GENERAL IDEA OF FORM, AND BOUNDARY CONDITIONS ON THE CHOSEN SITE TO SET PARAMETERS

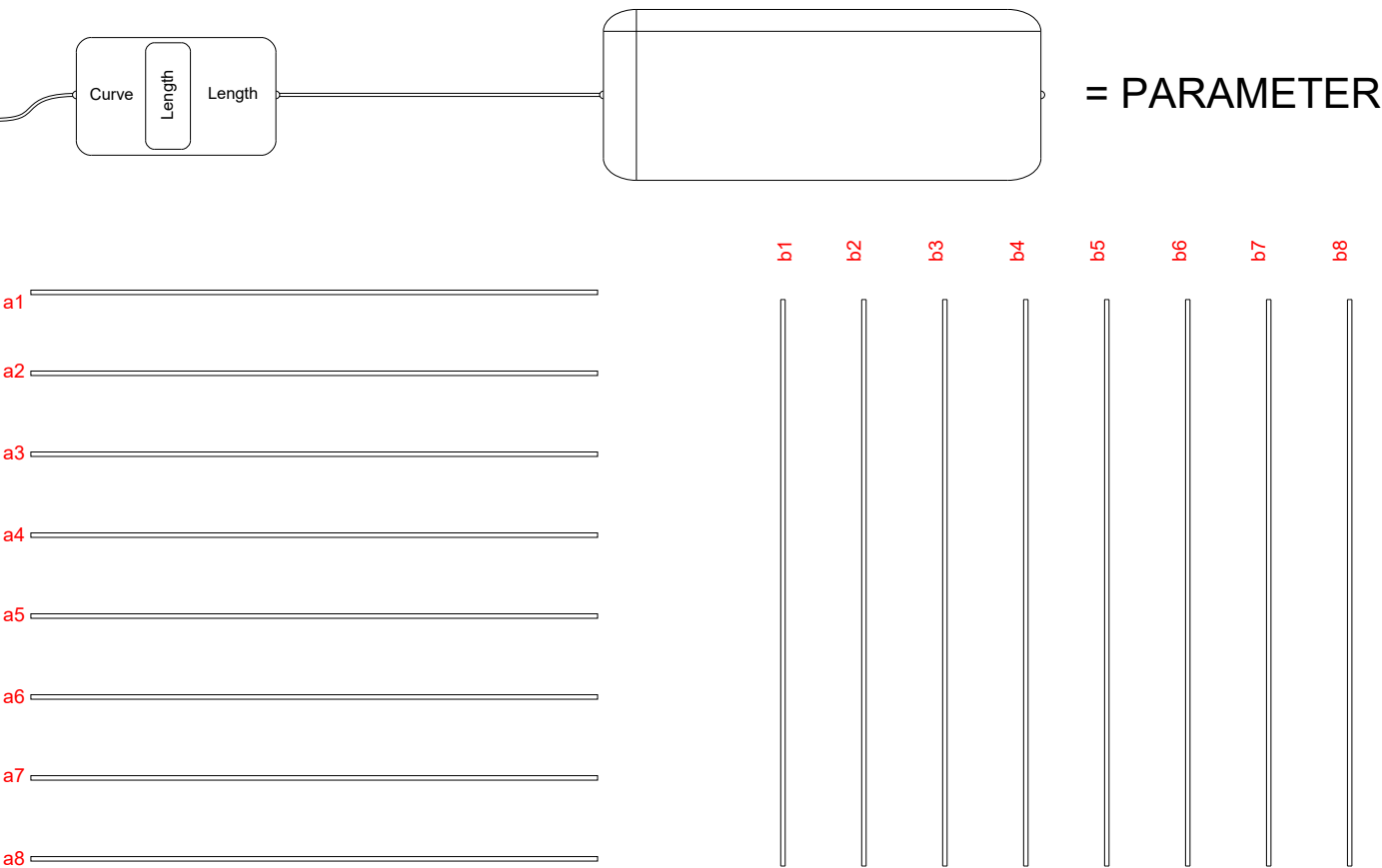


STEP 2: GATHER MATERIALS; USE BAMBOO SKEWERS AND ZIPTIES TO VISUALIZE THE FORM IN A SMALLER SCALE, THEN SOURCE REAL BAMBOO AND SPLIT VERTICALLY INTO STRIPS CUT TO LENGTH

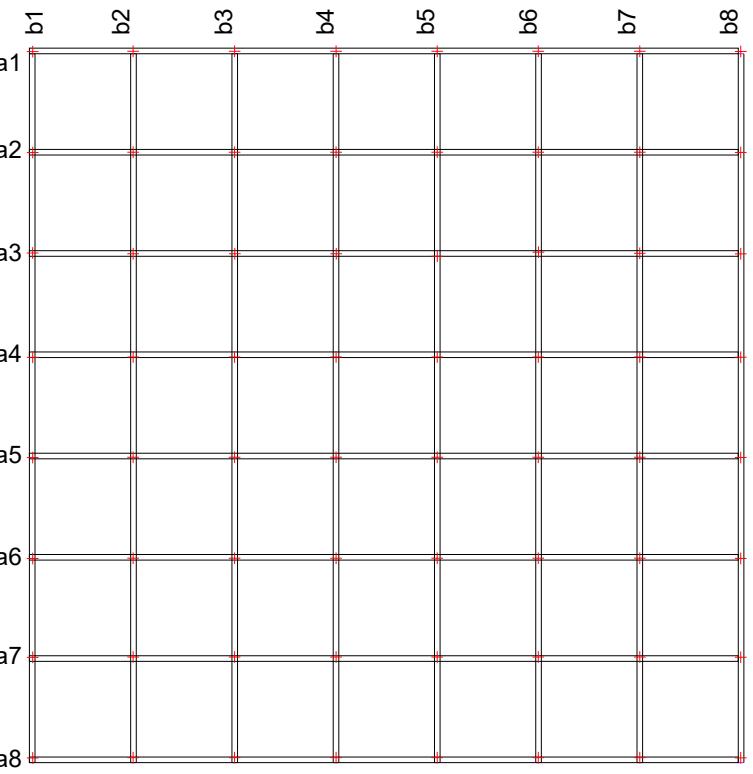


STEP 3A: SPECIFY U-VALUES AND V-VALUES (E.G THE DENSITY OF THE GRID), GROUND CONDITION TO BE WORKED WITH, LENGTHS OF EACH MEMBER;

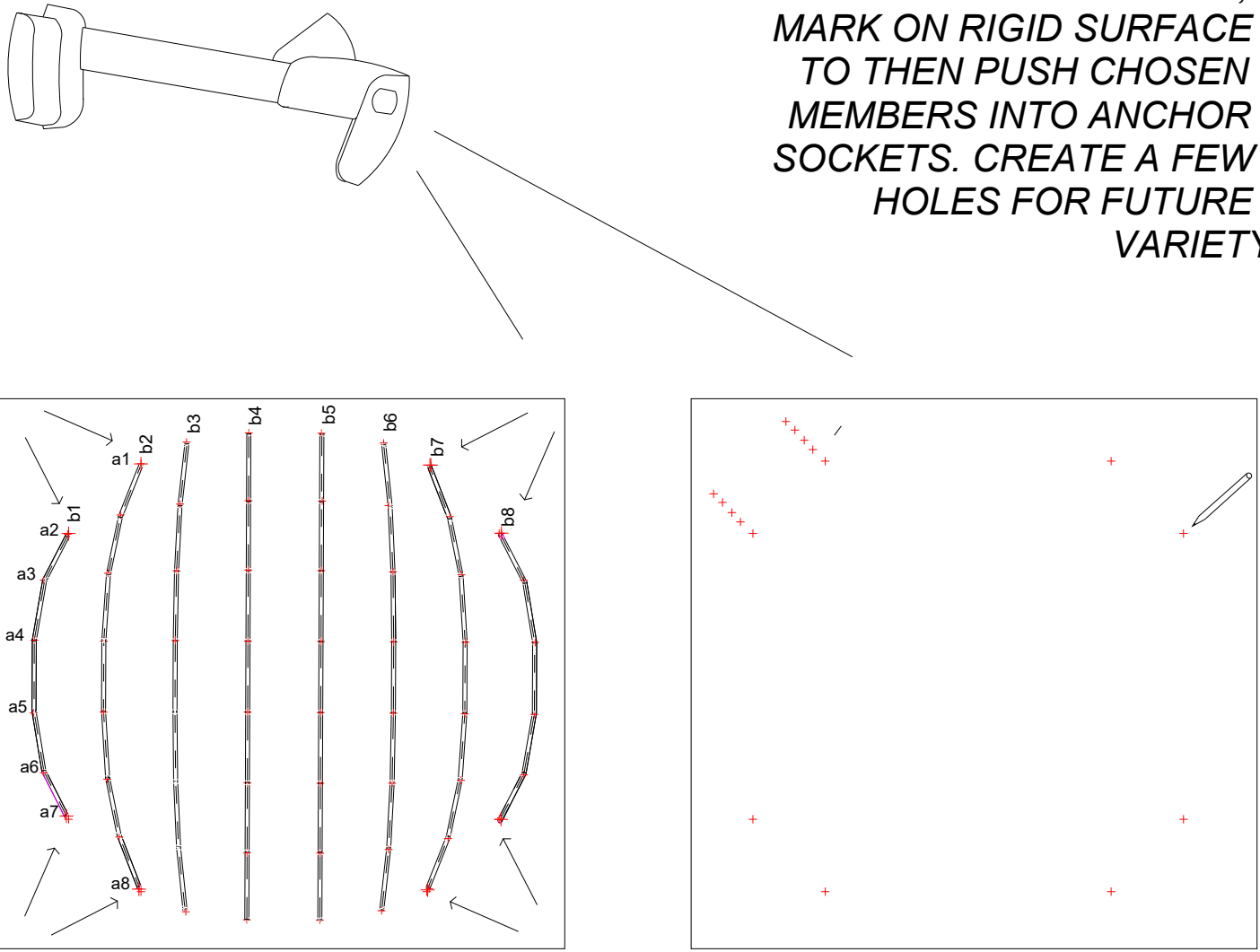
CUT BAMBOO STRIPS TO LENGTH AND ORGANIZE INTO HORIZONTAL AND VERTICAL MEMBERS



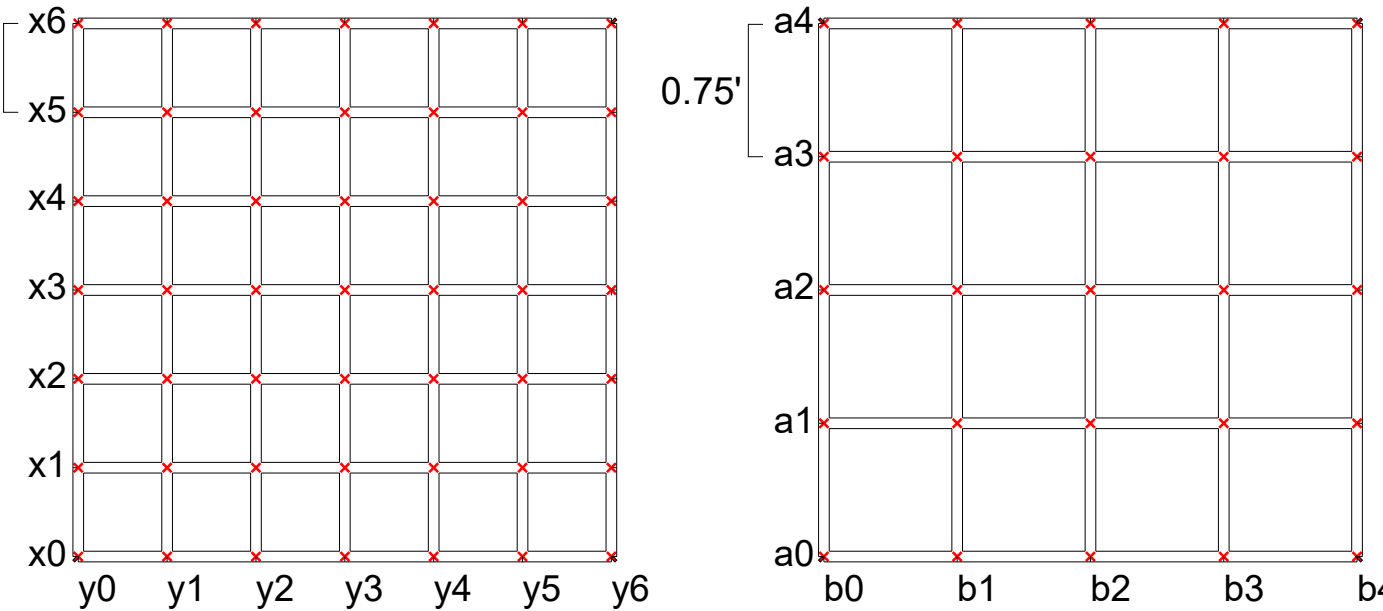
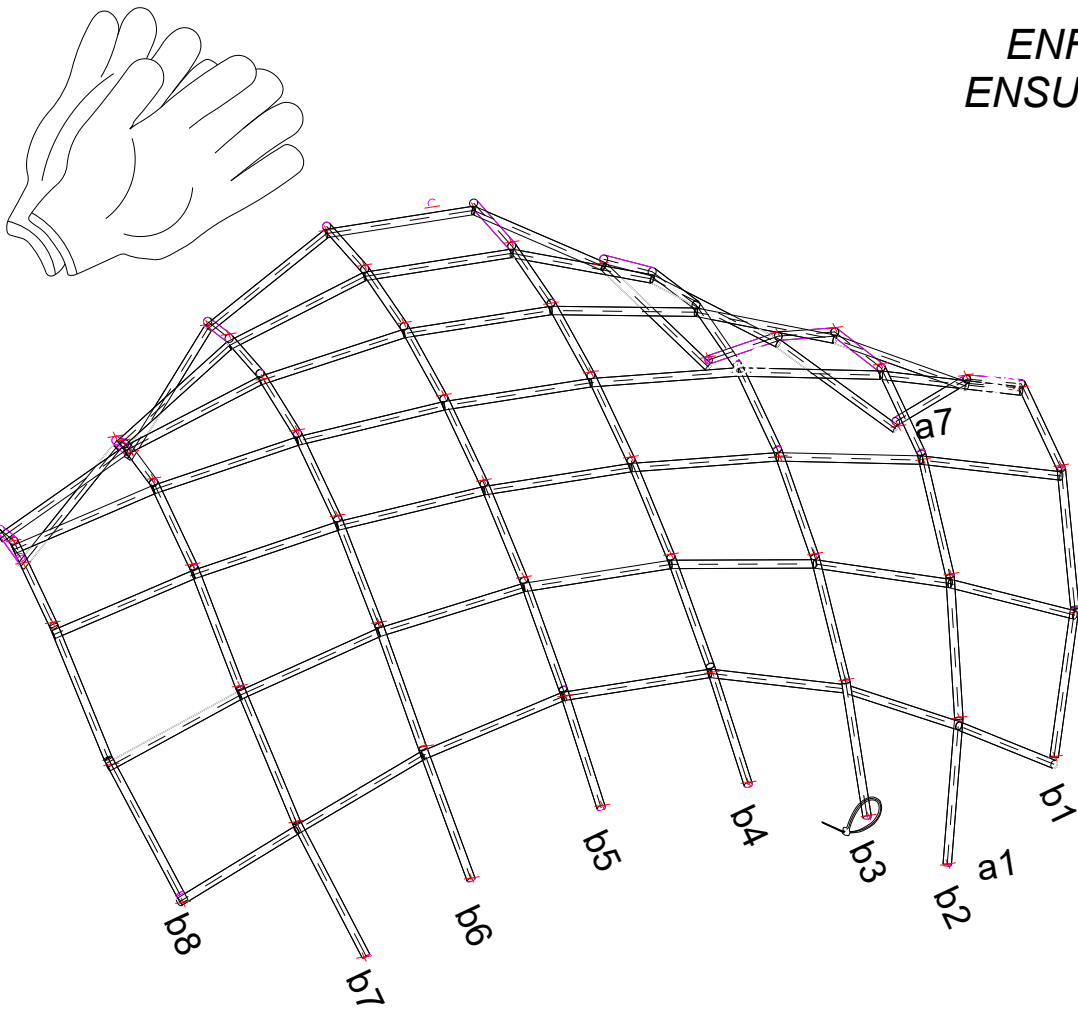
STEP 4A: COMBINE VERTICAL AND HORIZONTAL MEMBERS WITH DOUBLE-SIDED VOLTS USING FOLOGRAM TO ENSURE THE GRID IS ORTHOGONAL AND SPACING IS CORRECT. EITHER VERTICAL OR HORIZONTAL LAYS ON TOP OF THE OTHER. MAKE SURE CONNECTIONS ARE EXTREMELY RIGID.



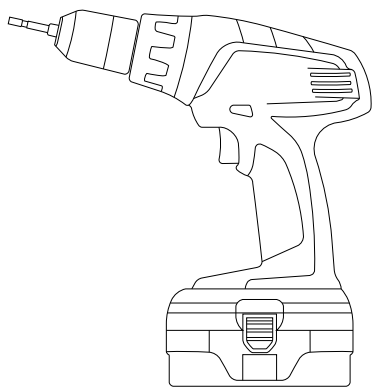
STEP 5A: USE THE HOLOLENS TO MEASURE OUT ANCHOR POINTS, MARK ON RIGID SURFACE TO THEN PUSH CHOSEN MEMBERS INTO ANCHOR SOCKETS. CREATE A FEW HOLES FOR FUTURE VARIETY



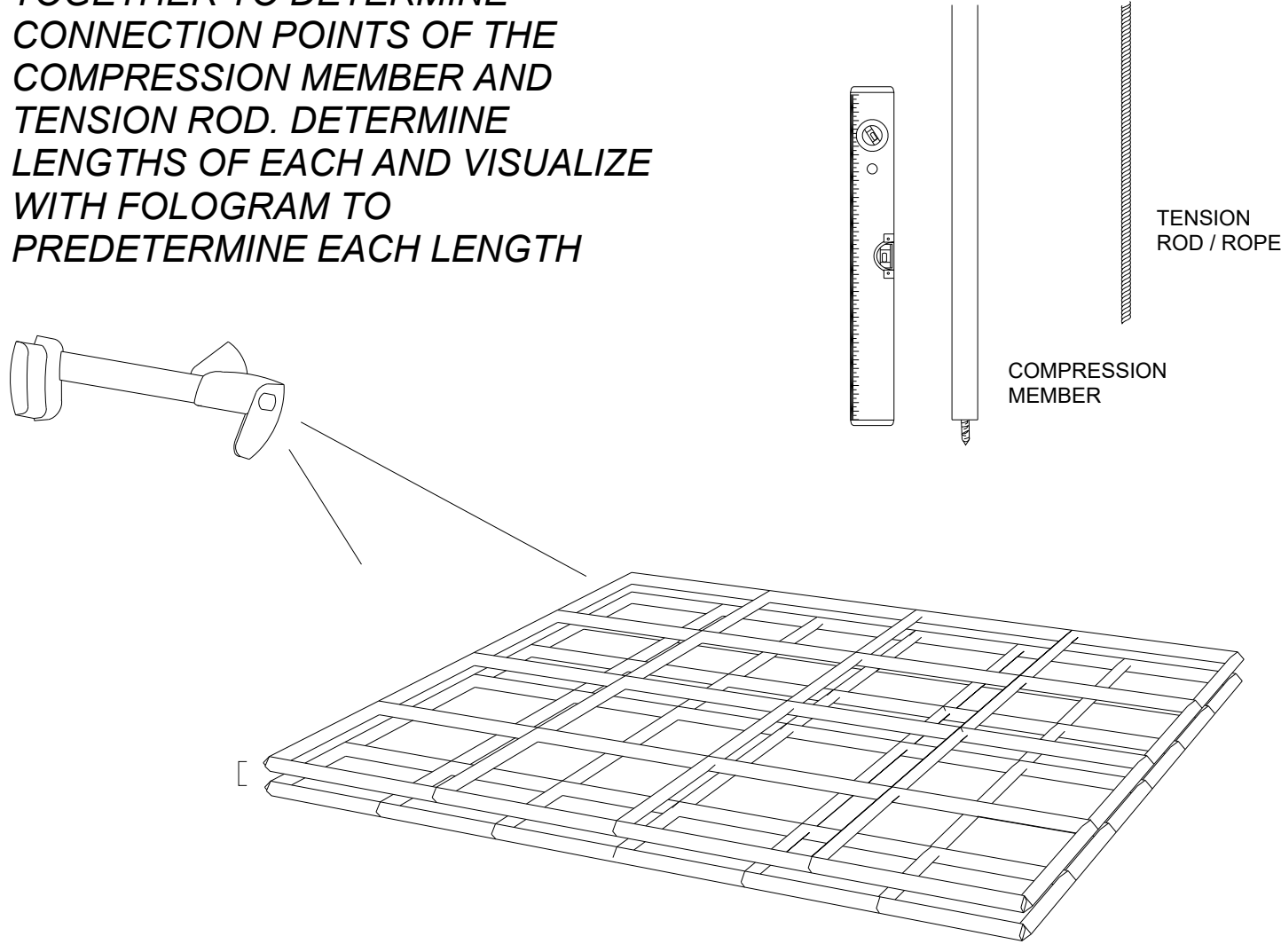
STEP 6A: USE HUMAN FORCE TO PUT MEMBERS IN ANCHOR POINTS, SECURE WITH DRILLS AND ADDITIONAL ENFORCEMENT TO ENSURE RIGIDITY OF CONNECTION



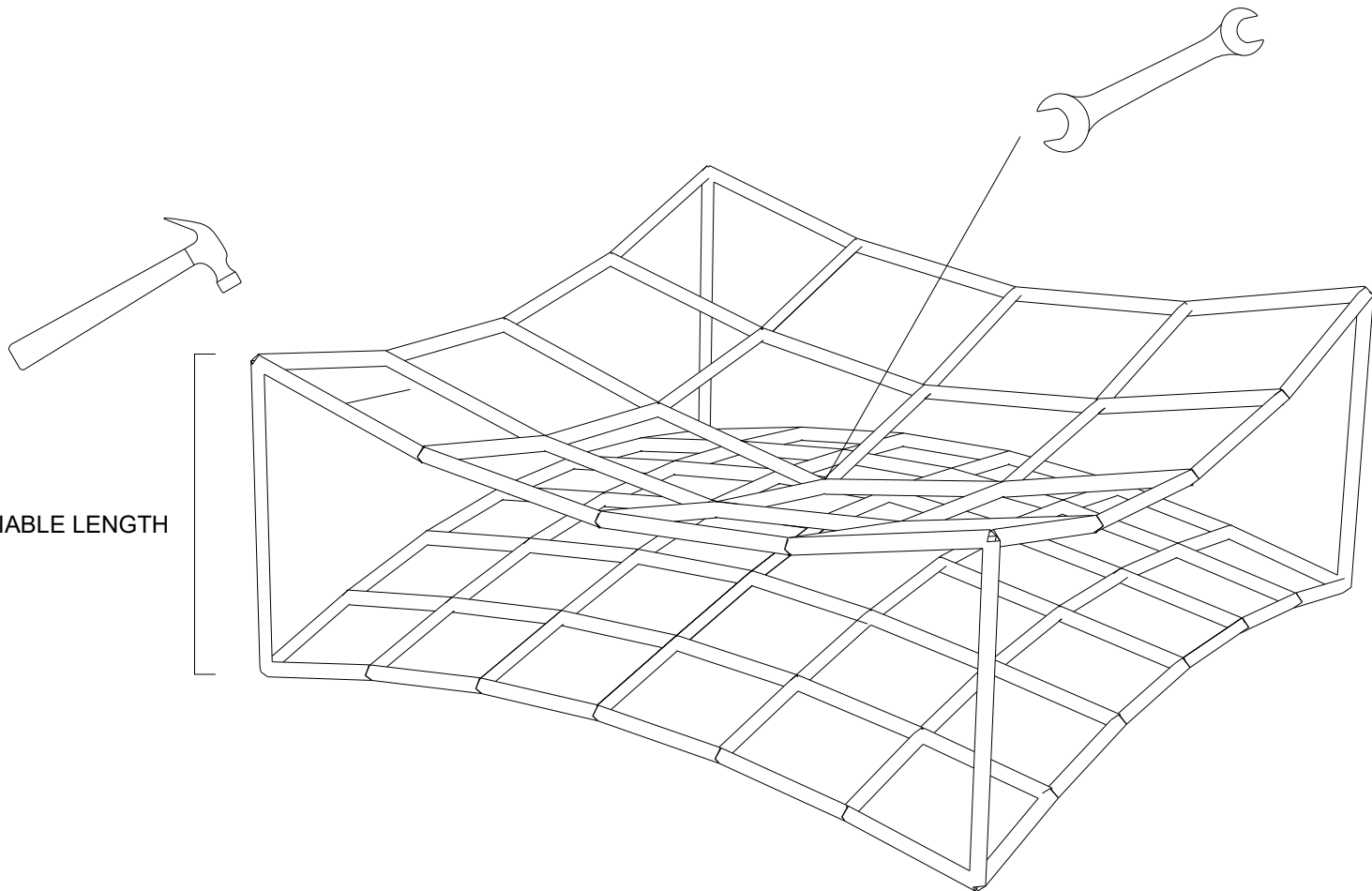
STEP 3B: DEFINE U AND V VALUES, AS WELL AS LENGTHS, OF TWO DIFFERENT OR SAME SYSTEMS OF BAMBOO MESHES. DRILL THE CONNECTION POINTS TOGETHER BETWEEN VERTICAL MEMBERS AND HORIZONTAL MEMBERS USING A DOUBLE SIDED SCREW.



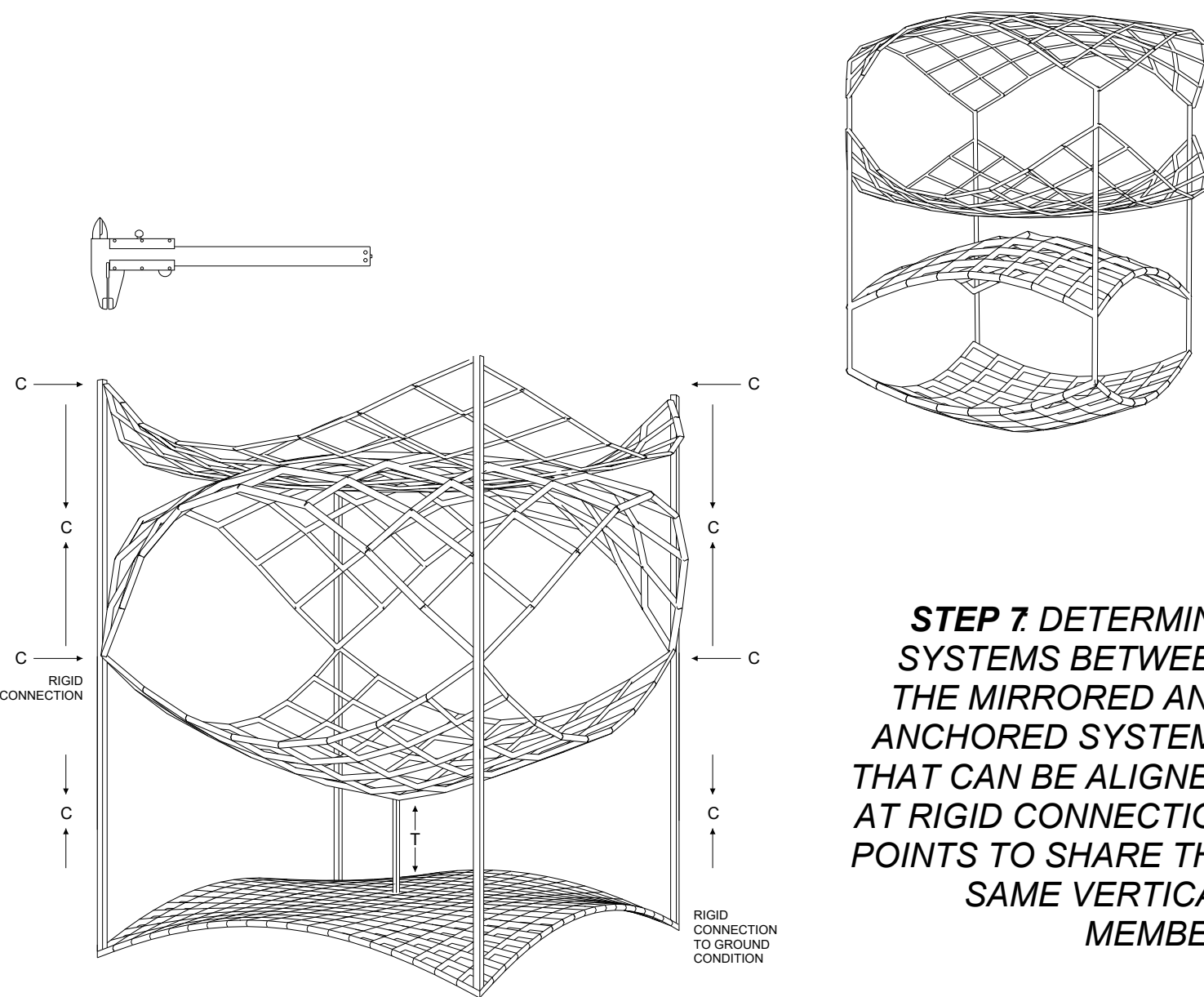
STEP 4B: LAYER THE TWO SYSTEMS TOGETHER TO DETERMINE CONNECTION POINTS OF THE COMPRESSION MEMBER AND TENSION ROD. DETERMINE LENGTHS OF EACH AND VISUALIZE WITH FOLOGRAM TO PREDETERMINE EACH LENGTH



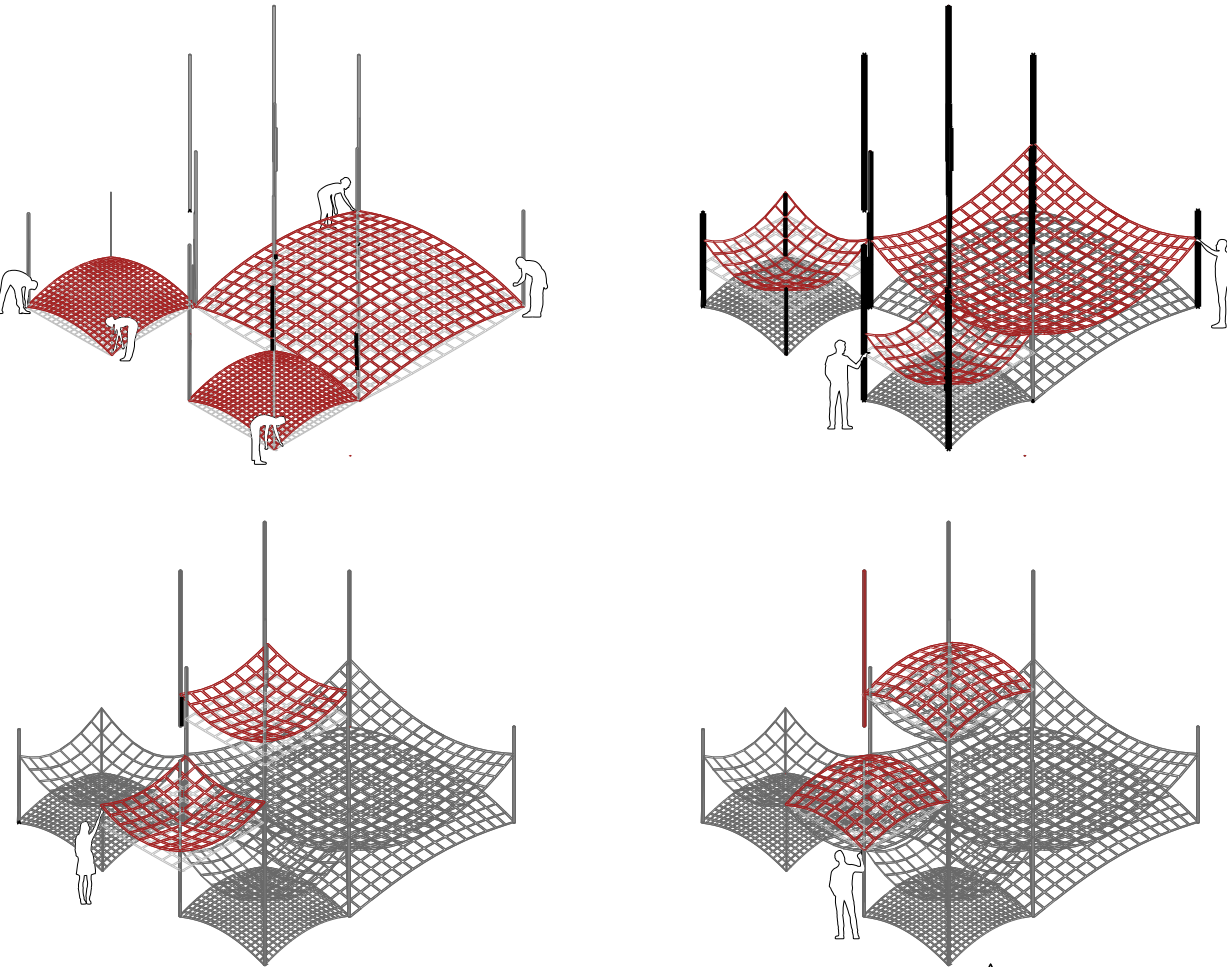
STEP 5B: FINALIZE THE FORM PHYSICALLY, USE RODS AND SCREWS TO RIGIDLY HAMMER OR WRENCH IN THE COMPRESSION MEMBERS AND TENSION MEMBERS TO THE FLAT GRID. USE TENSION RODS AND A WRENCH TO REACH DESIRED LENGTH OF TENSION



STEP 7: DETERMINE SYSTEMS BETWEEN THE MIRRORED AND ANCHORED SYSTEMS THAT CAN BE ALIGNED AT RIGID CONNECTION POINTS TO SHARE THE SAME VERTICAL MEMBERS



STEP 8: PLAN AND CONSTRUCT INDIVIDUAL PIECES, FIRST WITH MEASURED RIGID VERTICAL MEMBERS AND THE SUBSEQUENT ATTACHMENT OF MESHES TO ACHIEVE DESIGN



STEP 9: INCORPORATE AN OVERARCHING ROOF AND CERTAIN PATCHING TO ACHIEVE CERTAIN LIGHT AND SHADOW CONDITIONS

