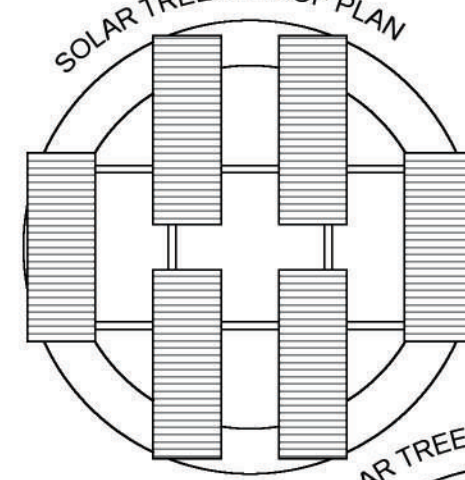


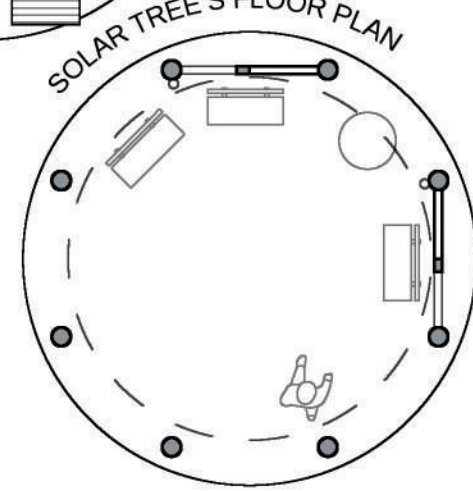
CIRCULARITY

BIOCLIMATIC TREES

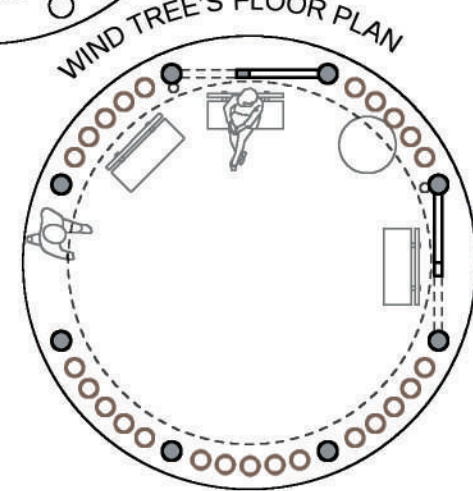
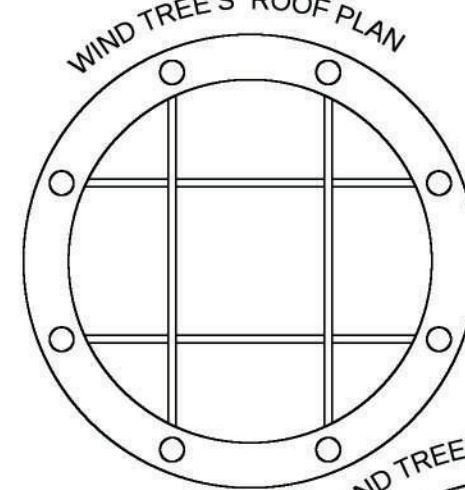
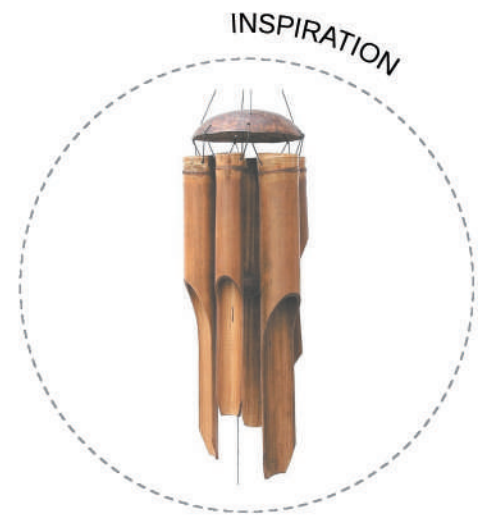
THESE STRUCTURES CREATE A SOCIAL AND BIOCLIMATIC PUBLIC SPACE, ARE INTENDED TO PROMOTE ACTIVITY AMONG PEOPLE AND WILL ALSO HAVE AN ENVIRONMENTAL CHARACTER.



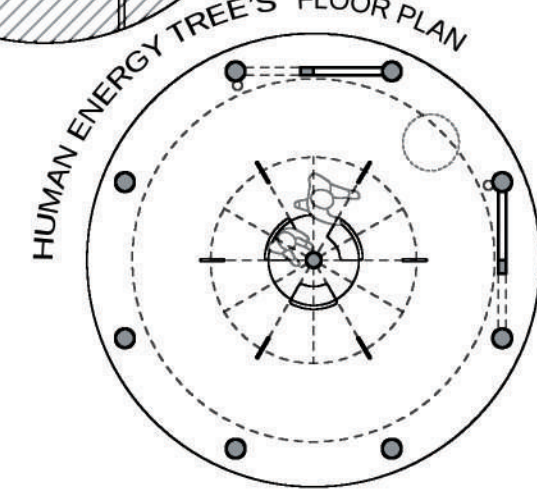
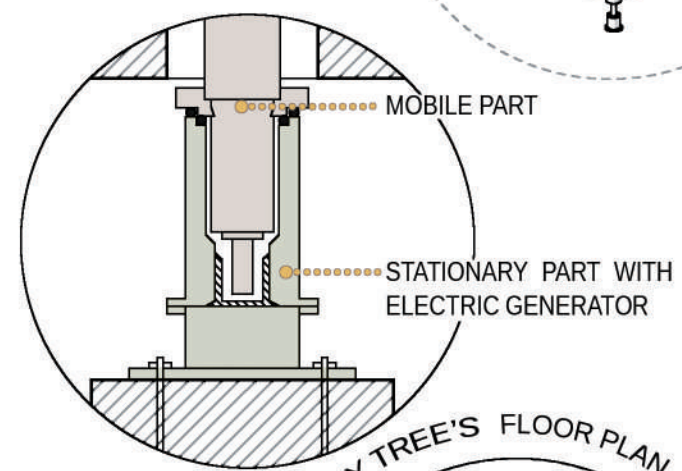
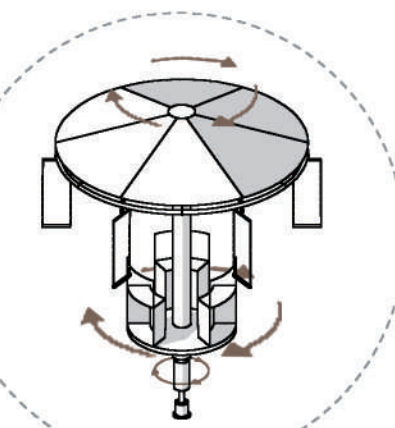
SOLAR PANELS WILL BE INSTALLED ON TOP OF THE TREES, MAKING THEM A FULLY ENERGY-EFFICIENT STRUCTURE.



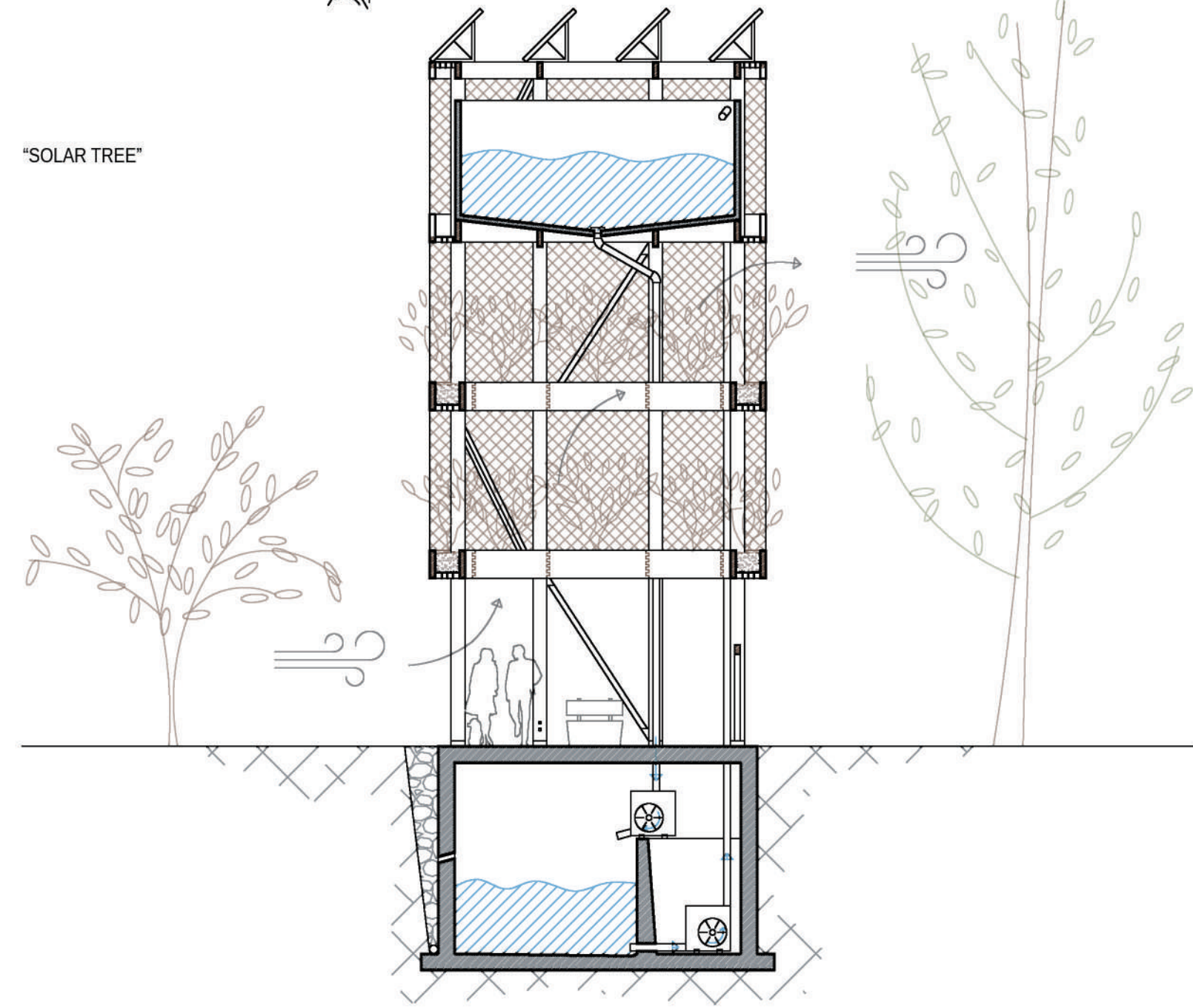
INSPIRED BY THE CITY'S LONG MUSICAL TRADITION, ONE OF THE BIOCLIMATIC TREES OF CIRCULARITY INCLUDES A SOUND ART INSTALLATION THAT CAN BE ACTIVATED EITHER BY THE FORCE OF THE WIND OR BY HUMAN INTERACTION.



ENERGY CAROUSEL: THE KINETIC ENERGY RELEASED AS CHILDREN AND PEOPLE SPIN AND HANG FROM THE ROPES IS STORED. THIS ENERGY WILL BE THEN USED TO ILLUMINATE THE STRUCTURE AND THE REMAINING ENERGY WILL BE USED FOR OTHER PURPOSES.

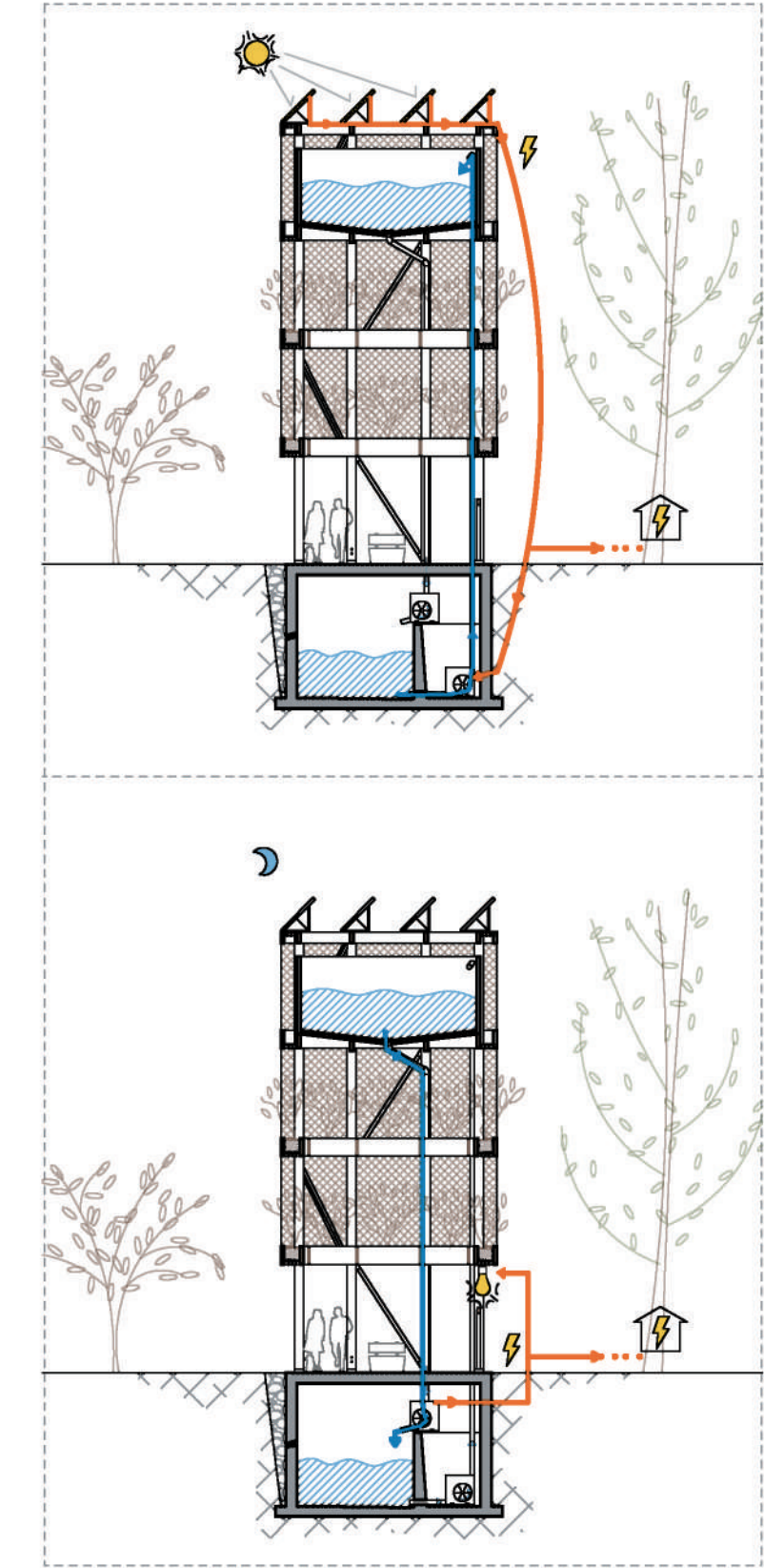


"SOLAR TREE"

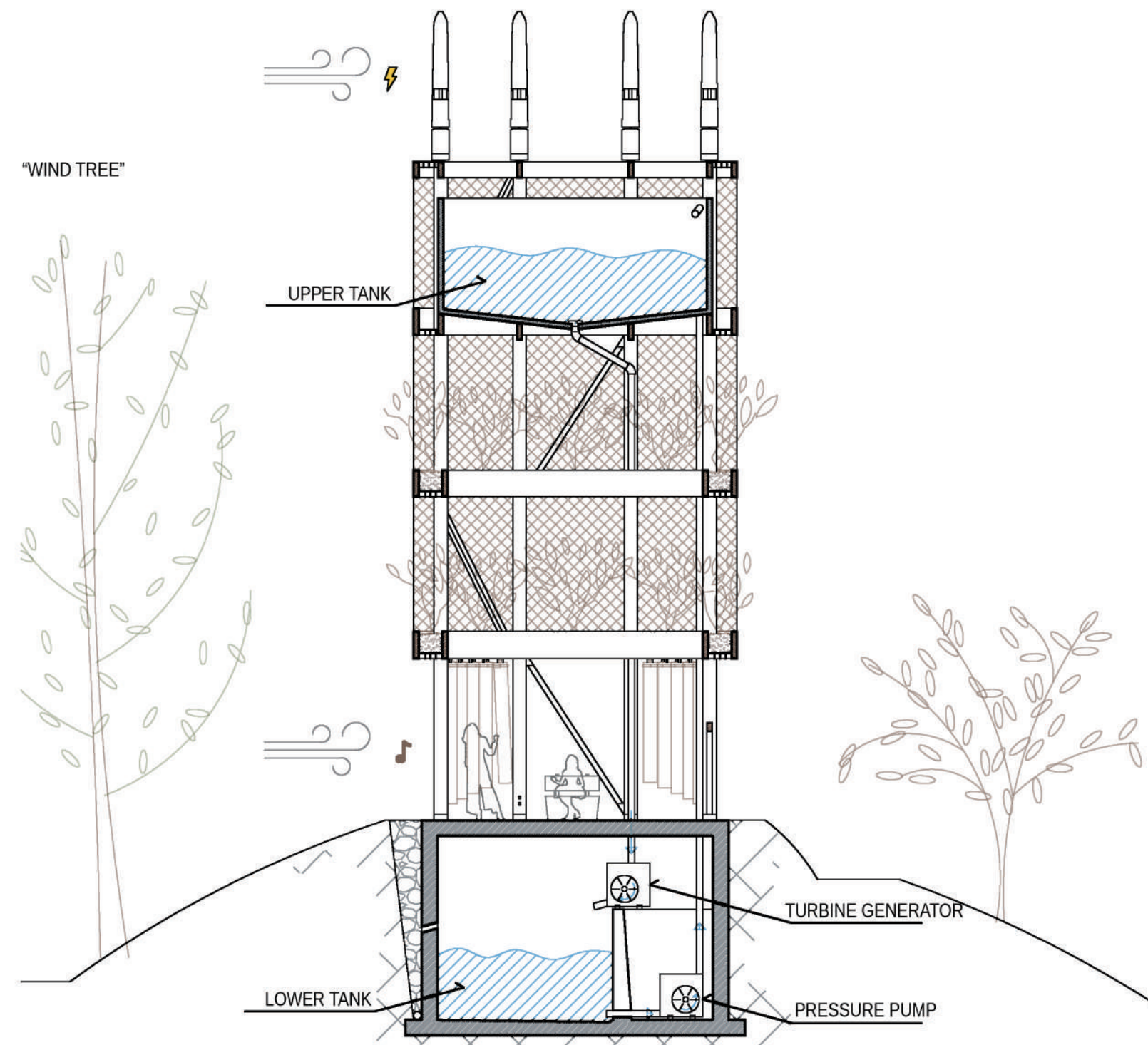


SURROUNDED BY NATIVE VEGETATION, THEY WILL ACHIEVE BIOCLIMATIC ADAPTATION OF THE OUTDOOR SPACE, WHICH IS ACHIEVED THROUGH A PASSIVE CLIMATE CONTROL SYSTEM BASED ON COOLING BY EVAPOTRANSPIRATION.

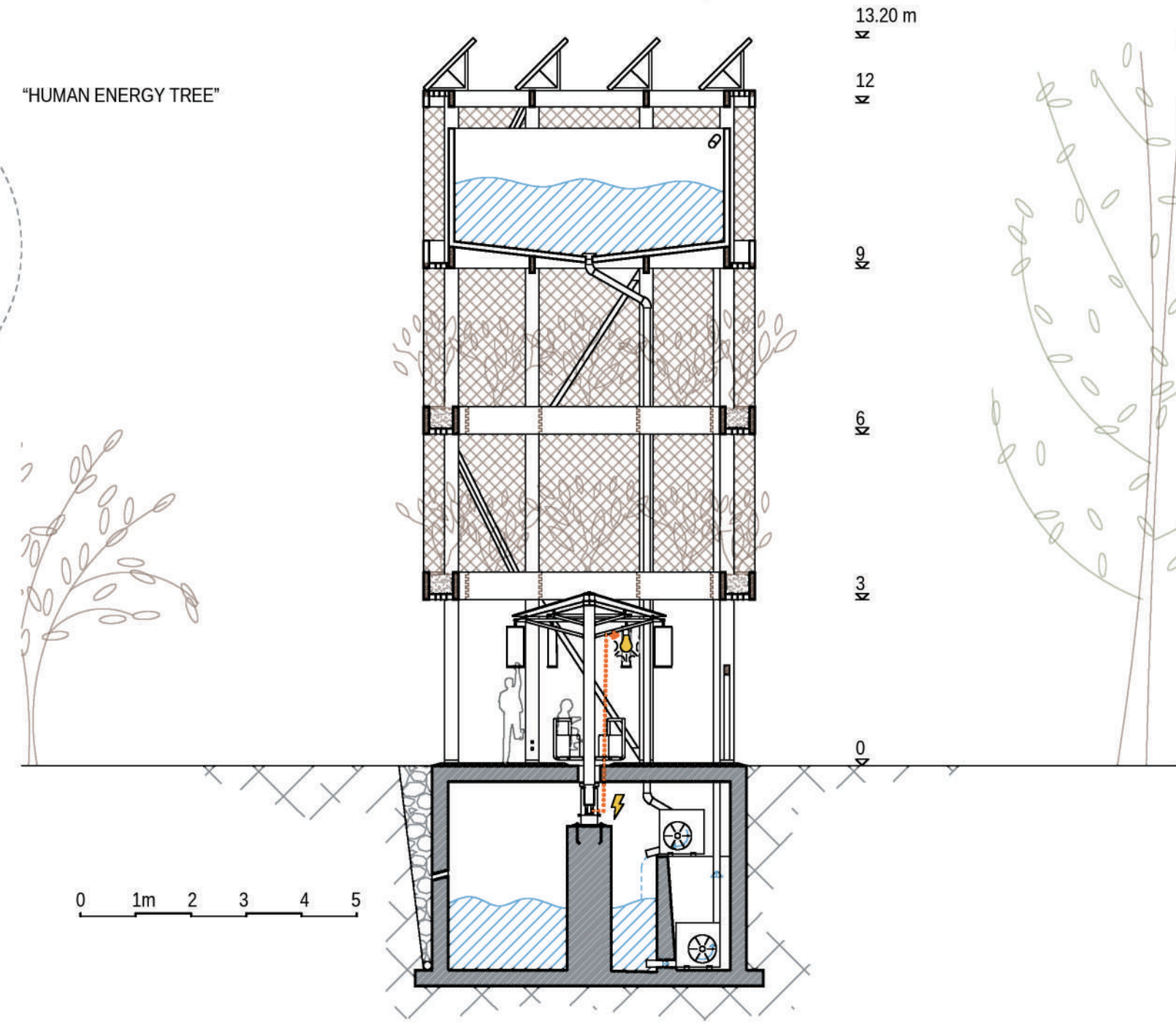
IN ADDITION, KINETIC ENERGY WILL BE GENERATED THROUGH A SYSTEM OF TANKS THAT COLLECT AND STORE RAINWATER.



"WIND TREE"



"HUMAN ENERGY TREE"



THESE STRUCTURES ARE SCALABLE AND EASY TO REPLICATE IN OTHER LOCATIONS.

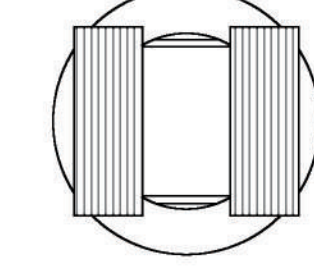
EXTRA OPTION: ADDING EXERCISE MACHINES CAPABLE OF GENERATING ELECTRICAL ENERGY THROUGH MOTION

OPTION 1: SMALL SOLAR TOWER

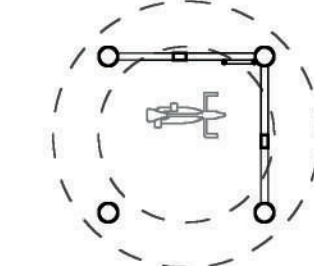
OPTION 2: SMALL WIND TOWER

COMPARISON WITH BIOCLIMATIC TREES IN PUBLIC SPACES

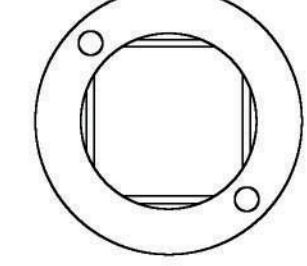
ROOF PLAN



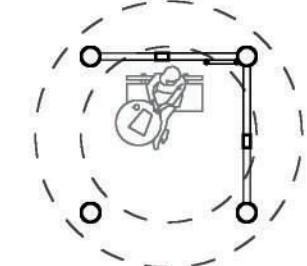
FLOOR PLAN



ROOF PLAN



FLOOR PLAN



COMMON BATTERY FOR ENERGY STORAGE



THE "BIOCLIMATIC TREES" VERSION FOR PRIVATE GARDENS IS SMALLER TO FIT IN THE PRIVATE SPACE.

IT'S ALSO LOWER TO ACCOMMODATE THE HEIGHT OF A TWO-STORY HOME AVOIDING EXCESSIVE VISUAL IMPACT

THE ENERGY GENERATION AND CONSTRUCTIVE SYSTEMS, HOWEVER, ARE SIMILAR TO THE LARGER VERSION. THEY ALSO SHARE THE DESIRE OF GENERATING A PLEASANT PLACE TO BE IN.

