



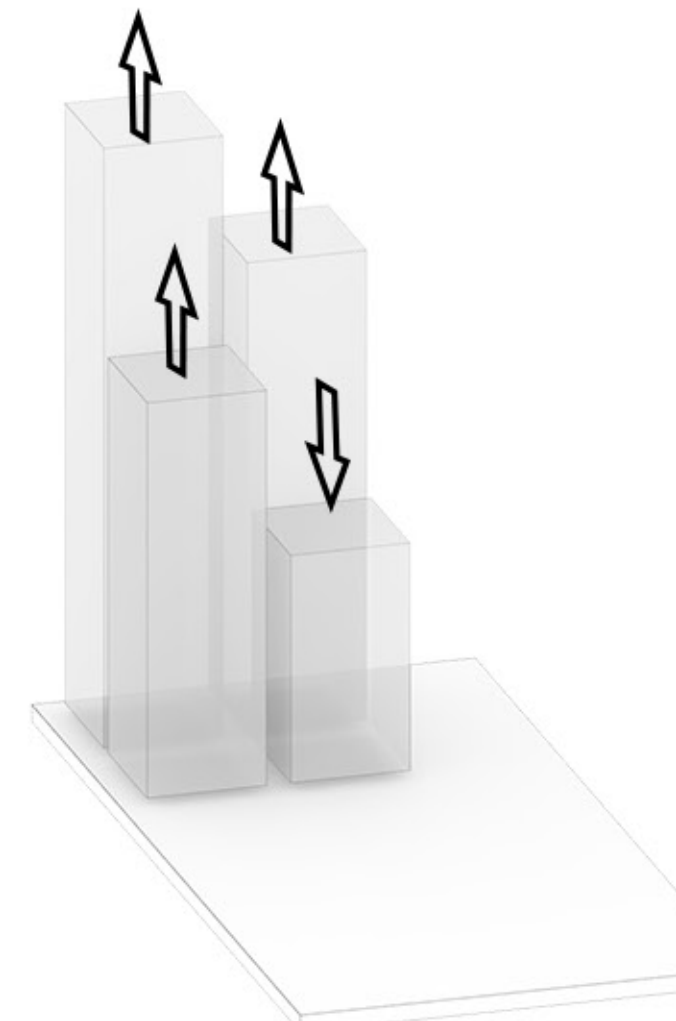
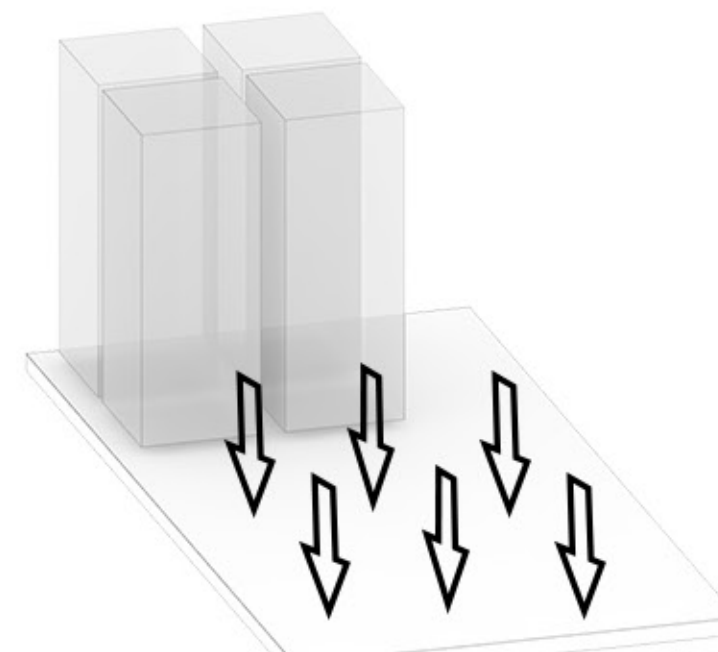
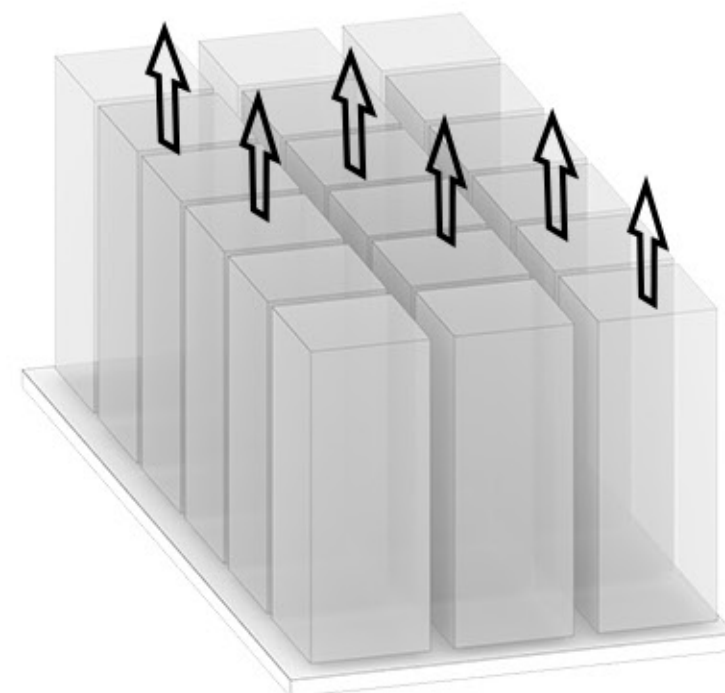
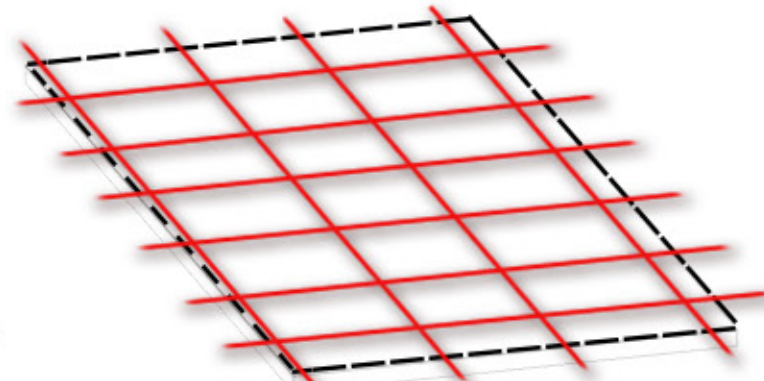
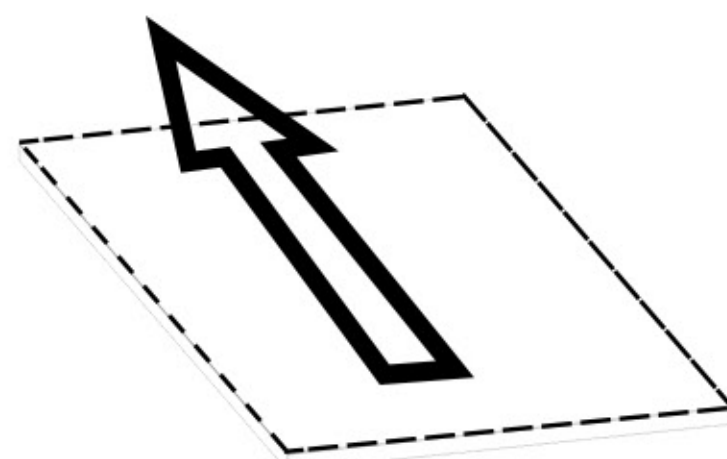
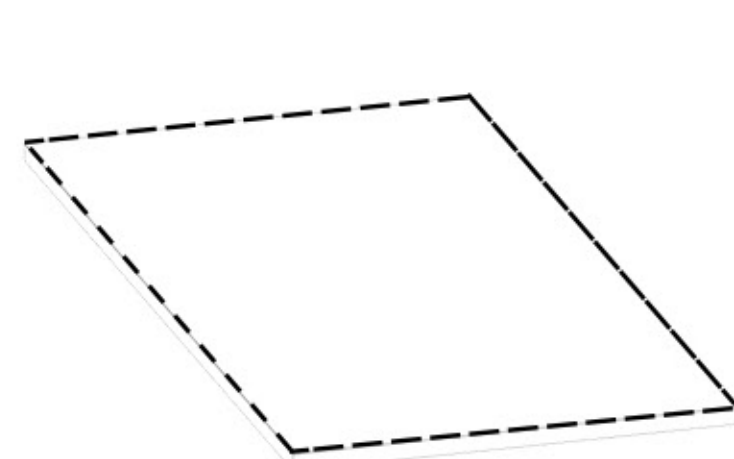
SITE CLOSE TO LAGOON AND THE LITTLE MERMAID

MAIN DIRECTIONALITY TOWARDS THE LITTLE MERMAID: FOCAL POINT OF THE CITY. THE NEW ARCHITECTURE NEEDS TO OPEN TO THE LITTLE MERMAID AND TO THE LAGOON

REGULAR GRID : REGULAR DIVISION OF THE SITE

THE VOLUMES GROW UP BY THE GRID : THIS VOLUMES HAVE NOW THE SAME HEIGHT AND DIMENSION. THEY COVERING ALL THE SITE

ONLY FOUR VOLUMES CLOSE TO THE LITTLE MERMAID REMAIN ON THE SITE. WE WANTED TO CREATE A CONTINUITY BETWEEN THE FALLING BUILDINGS AND THE LAGOON



ENVIRONMENTAL IMPACT

ENERGY

FOR ESTIMATING THE ENERGY THAT THE FALLING WALL COULD GENERATE WE STARTED CONSIDERING THE QUANTITY OF WATER NEED TO ACTIVATE THE TURBINE AND THE HERON'S FOUNTAIN. WITH 8000 M3 WE COULD PRODUCE 10000 KW. WE SUPPOSE TO COLLECT 2/3 OF THE TOTAL QUANTITY OF WATER FALLING BY THE FOUR DIFFERENTS WALLS.

ENVIRONMENTAL BENEFITS

THE PRODUCTION OF ELECTRICITY THROUGH HYDROELECTRIC SYSTEM EXCLUDES THE USE OF ANY FUEL AND ANY PRODUCTION OF POLLUTANTS. THE MICRO-HYDRO SYSTEMS RESPECT THE ENVIRONMENT BECAUSE THEIR INSTALLATION ARE NOT INVASIVE.

MICRO- HYDRO SYSTEM

MICRO- HYDRO SYSTEM HAS THE SAME FUNCTION OF THE TRADITIONAL HYDROELECTRIC SYSTEM BUT WITHOUT ERECT A DAM: THE WATER FALL DOWN IN A SYSTEM OF TURBINES THAT GENERATE ELECTRICITY. FOR THE REALIZATION OF A MICRO-HYDRO SYSTEM YOU SHOULD HAVE A STREAM WITH A CONSTANT FLOW RATE; IS NECESSARY TO KNOW THE FLOW RATE AND THE HYDRAULIC JUMP TO SIZE THE SYSTEM. THE HEIGHTS AND DIMENSIONS OF THE FOUR VOLUMES GROW UP OR DECREASE TO GIVE TO THE ARCHITECTURE A NEW RHYTHM AND MOVEMENT.