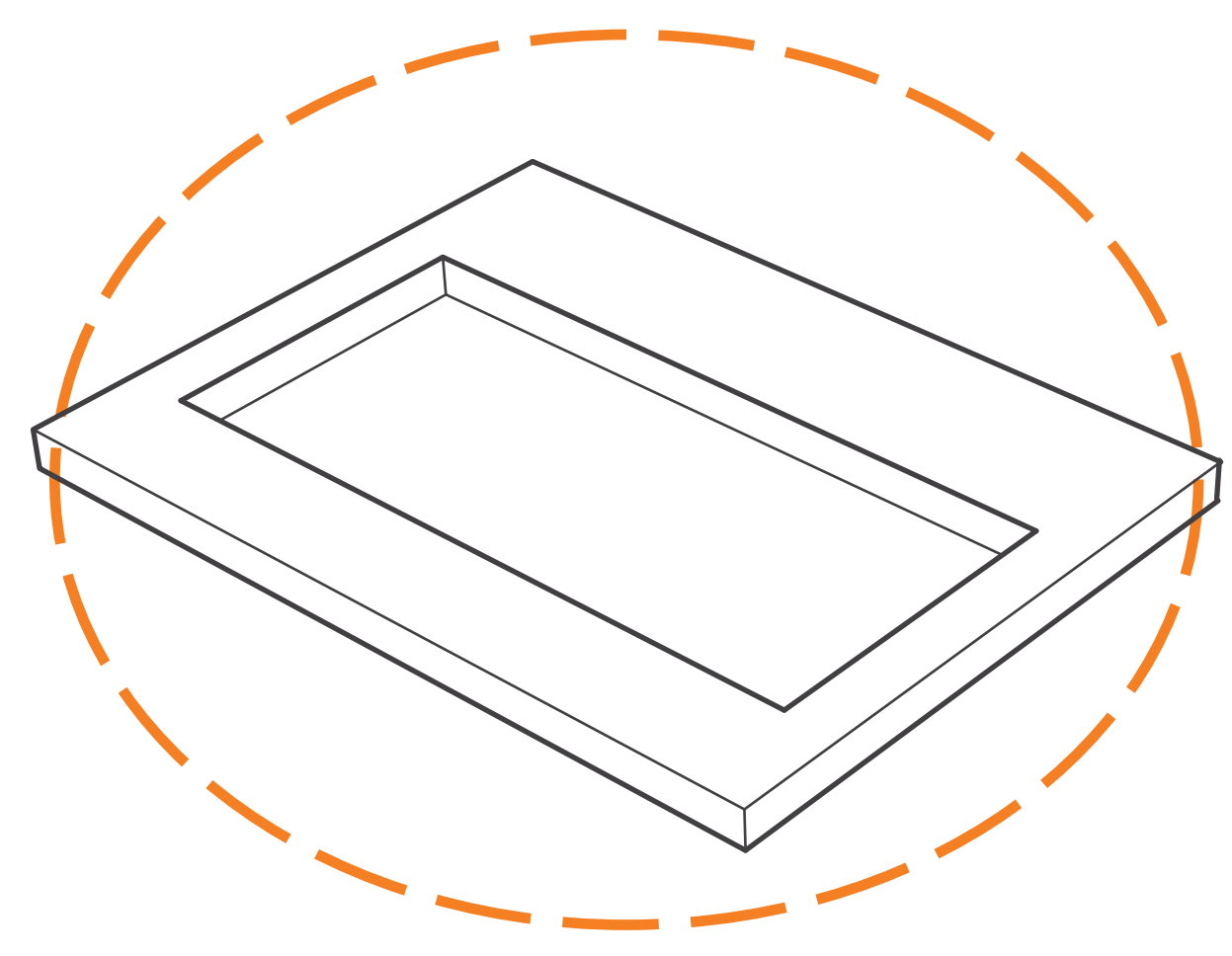




U.S. DEPARTMENT OF ENERGY SOLAR DECATHLON

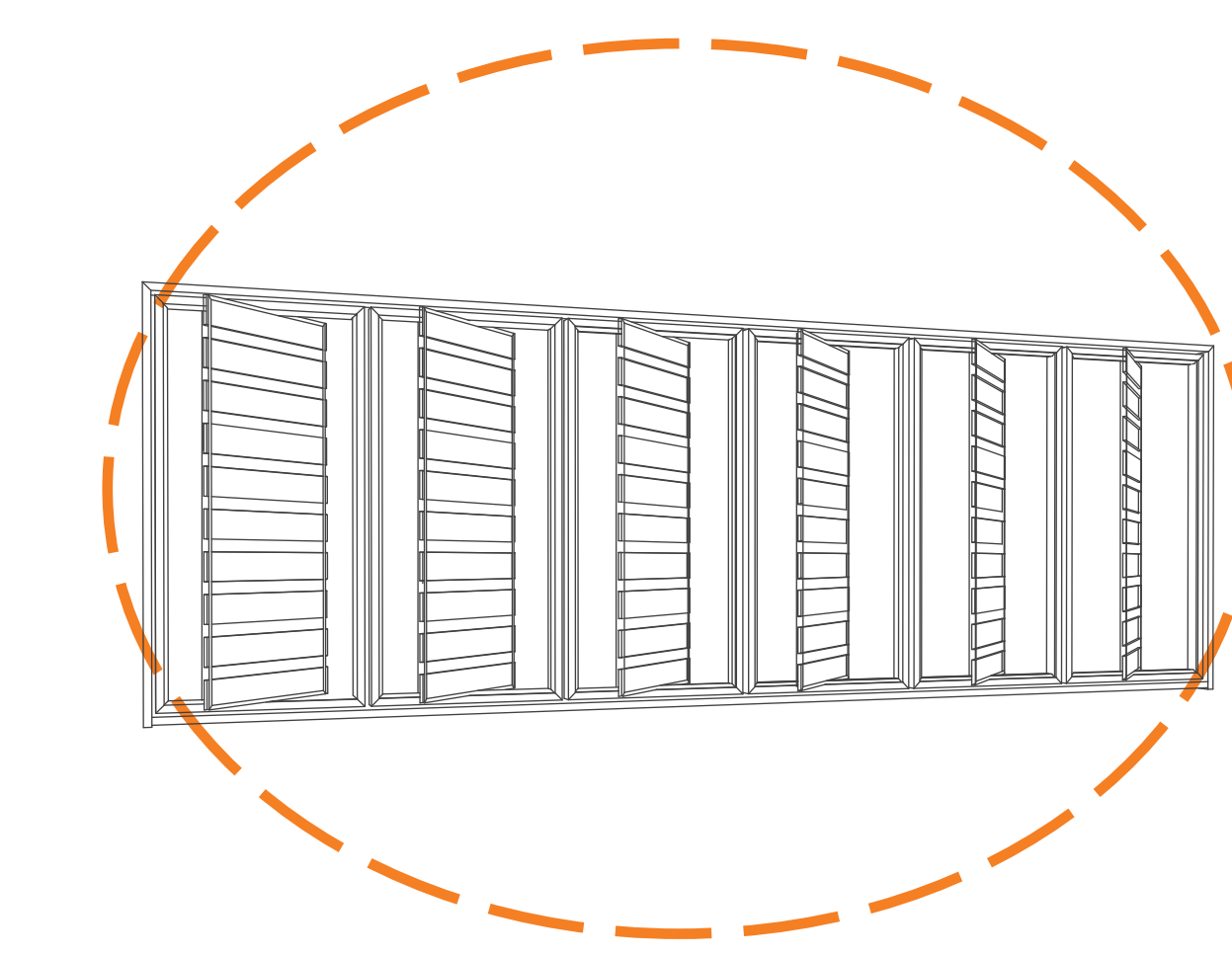
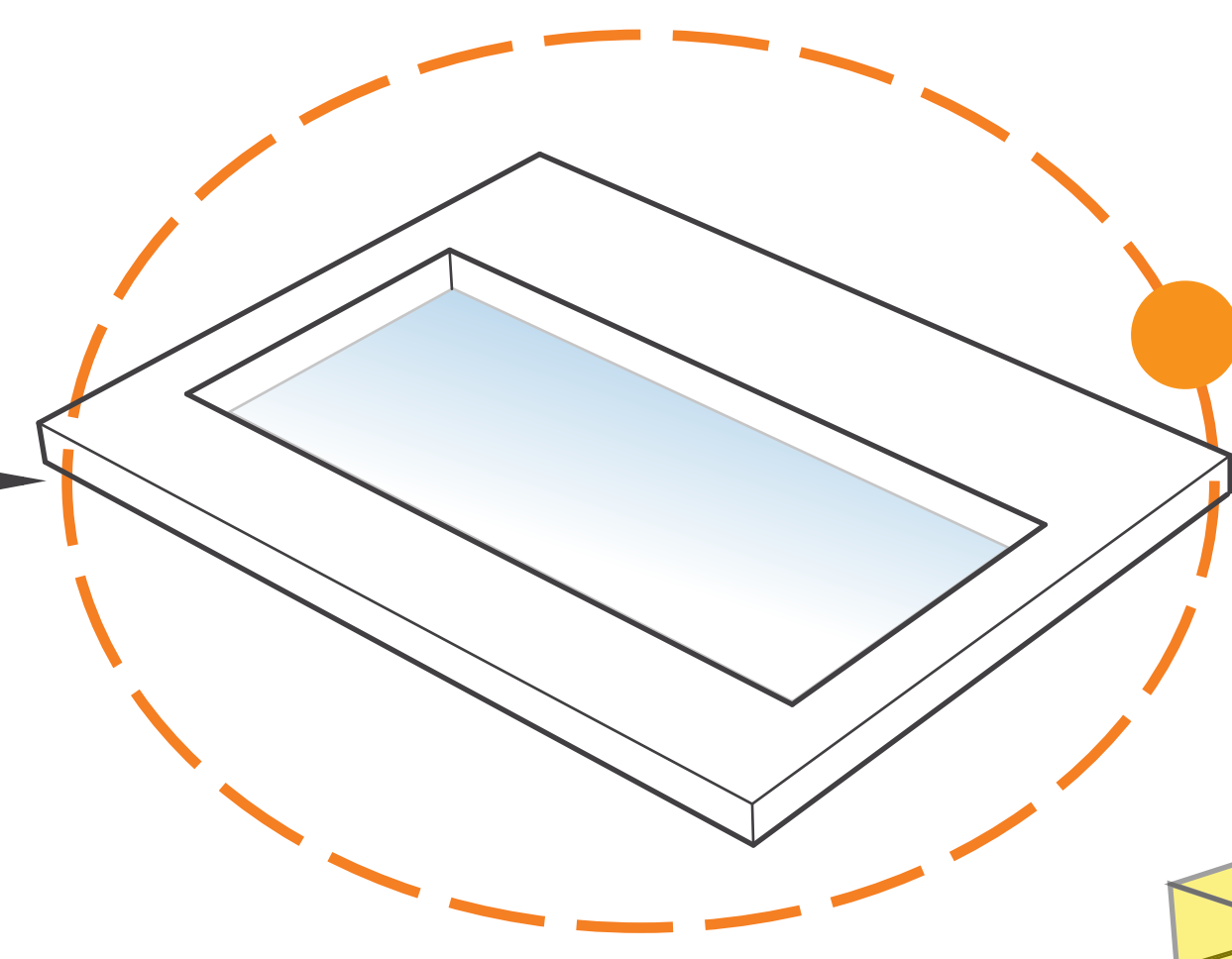


ARCHITECTURE OF THE GOLDEN POPPY



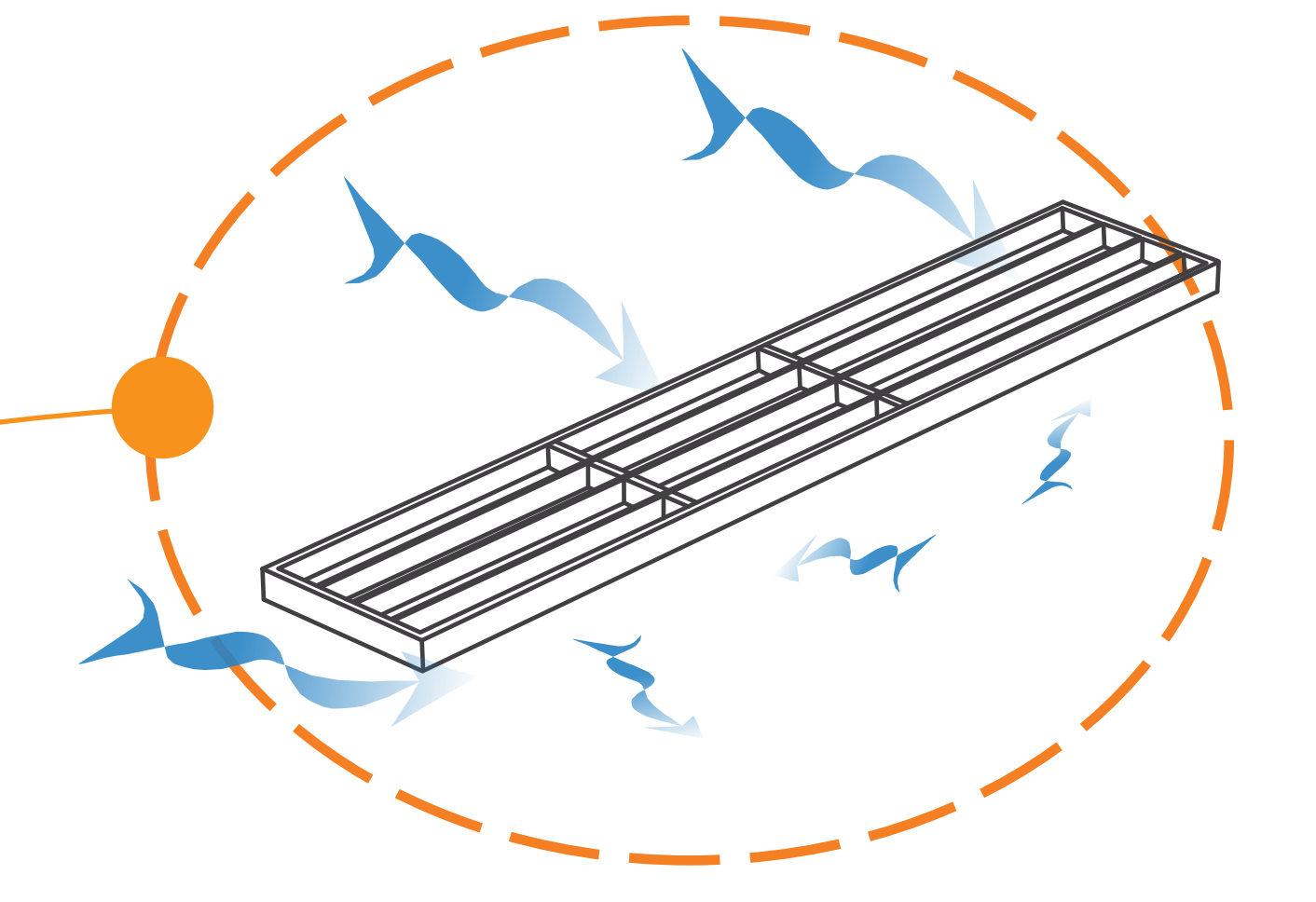
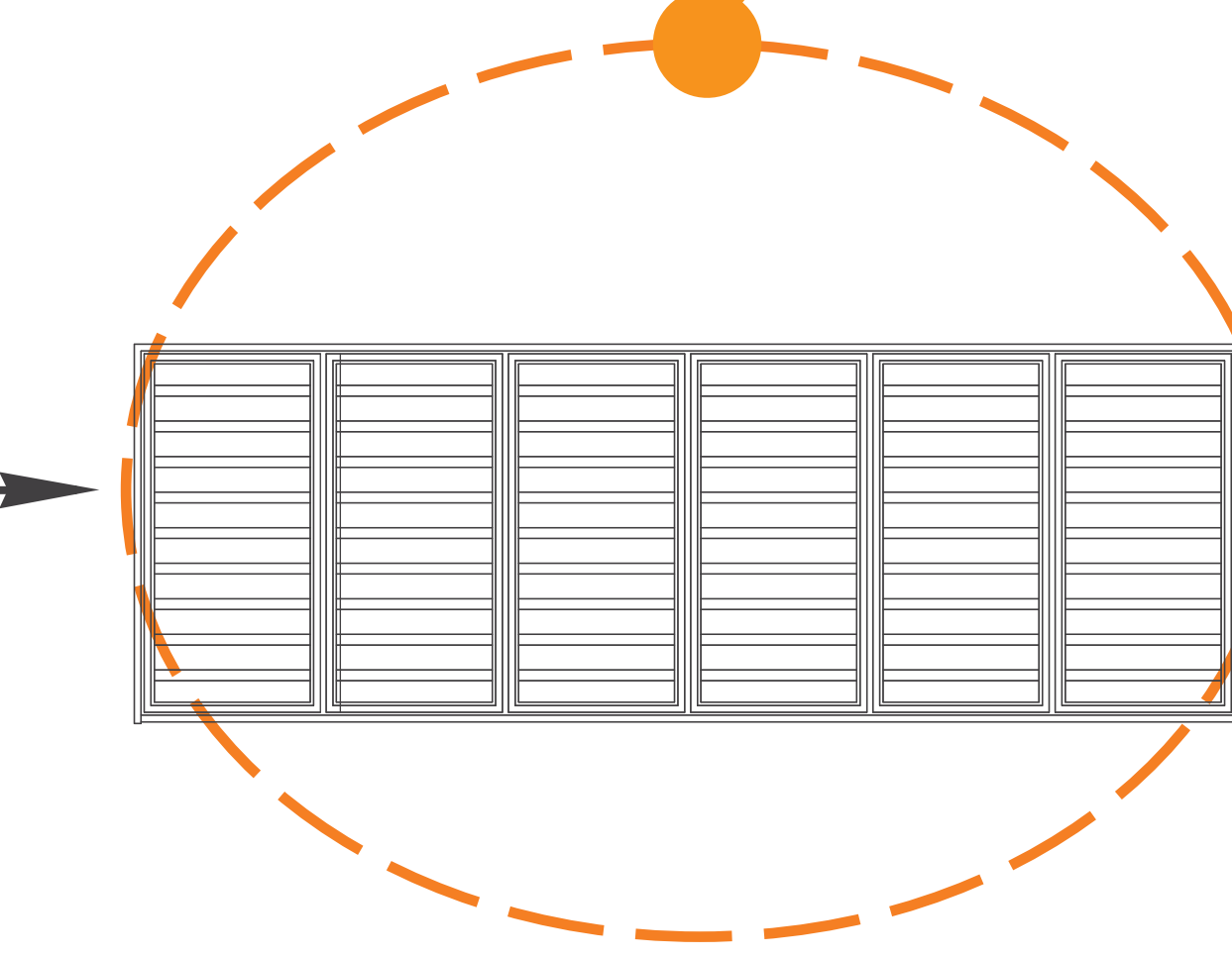
1 BIOMIMICRY

LIKE THE GOLDEN POPPY, HALOS OPEN AND CLOSE TO RESPOND TO THE SUN'S INTENSITY



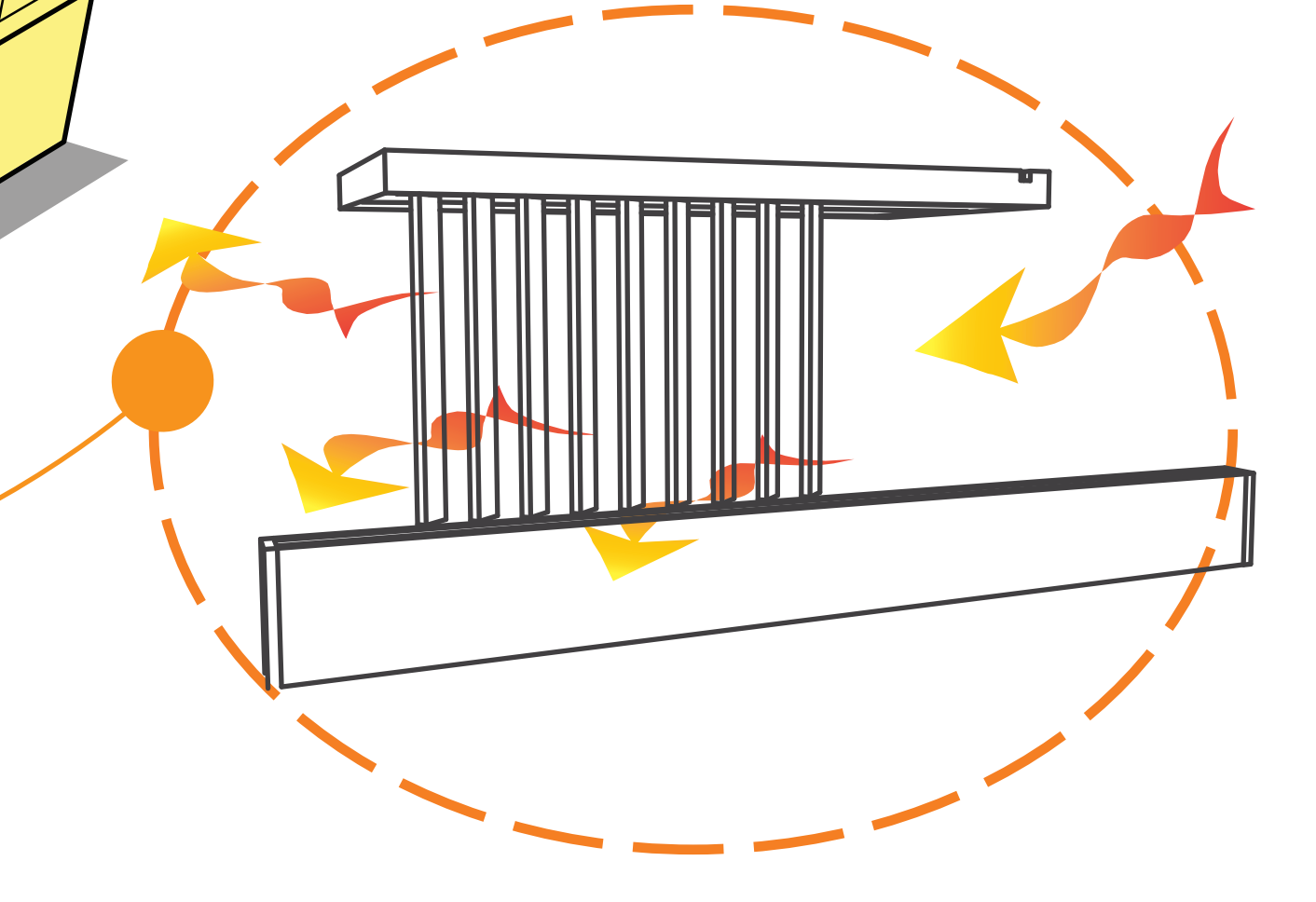
2 PIVOT PANELS

ON SOUTH-FACING FACADE TO CONTROL EXPOSURE TO SUN INTENSITY



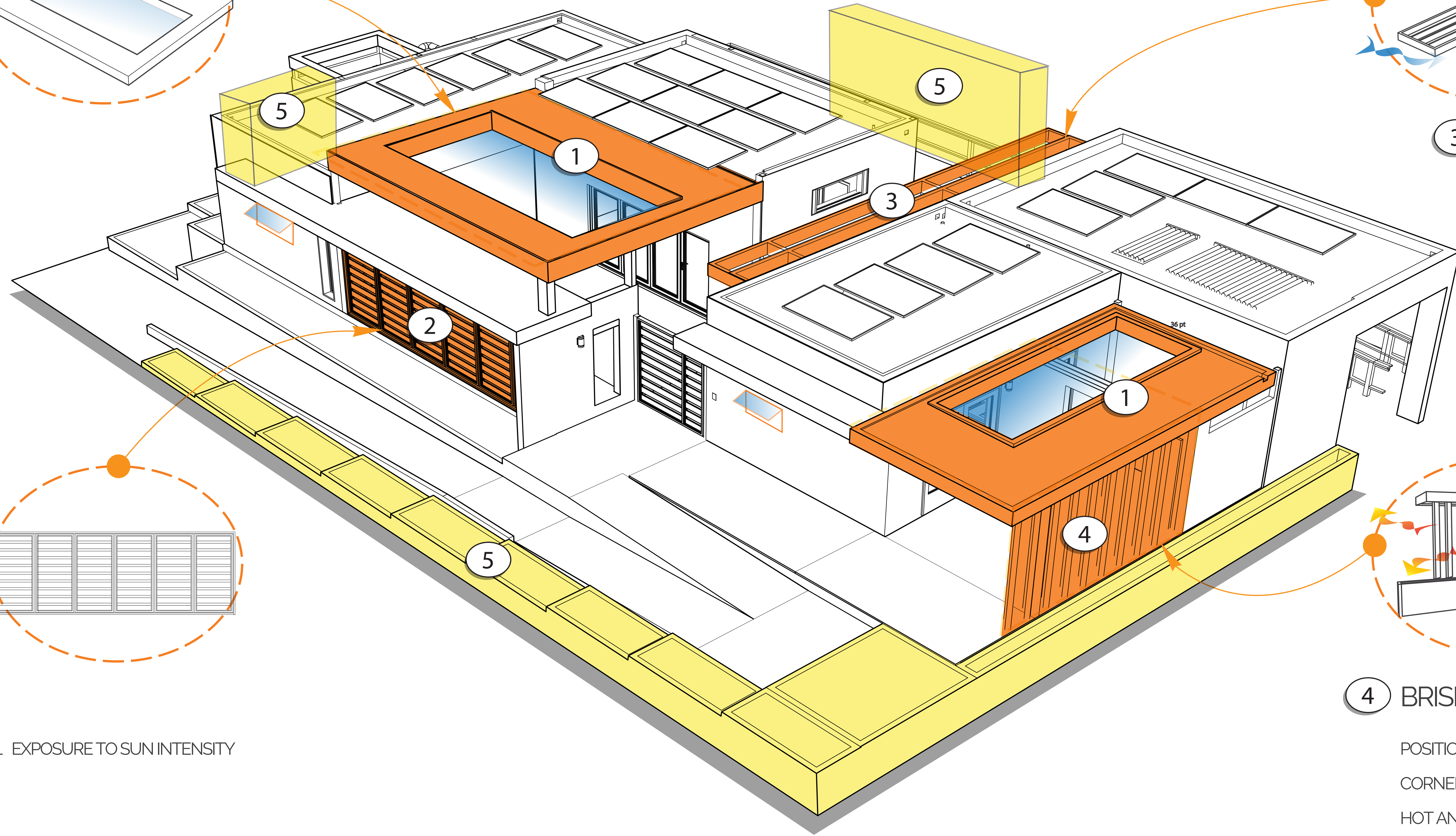
3 BREEZEWAY

OPEN CORRIDOR BETWEEN THE TWO QUARTERS ALLOWING COOL SOUTH BREEZE TO FLOW AND HOT AIR TO RISE

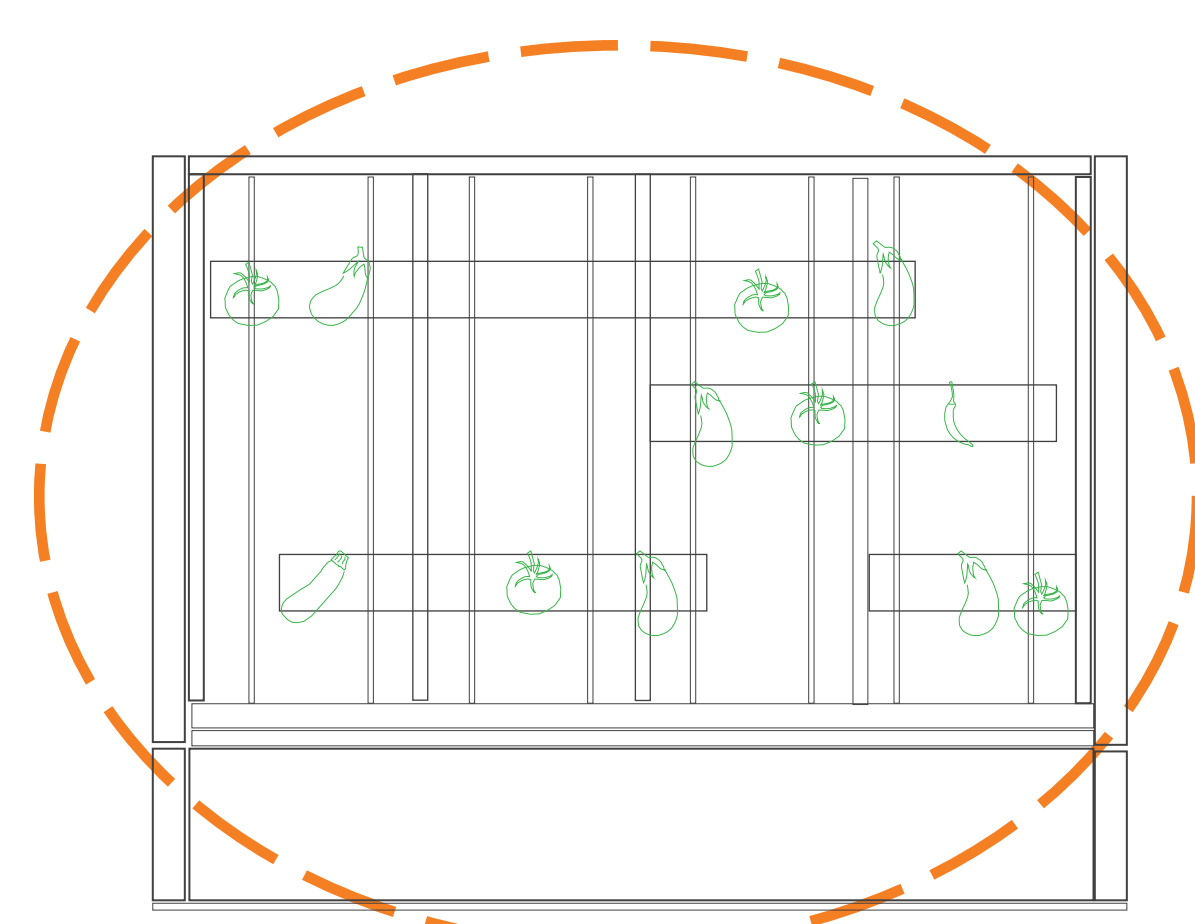


4 BRISE SOLEIL

POSITIONED ON THE NORTH-EAST CORNER TO DEFLECT THE HOT AND DRY SANTA ANA WIND

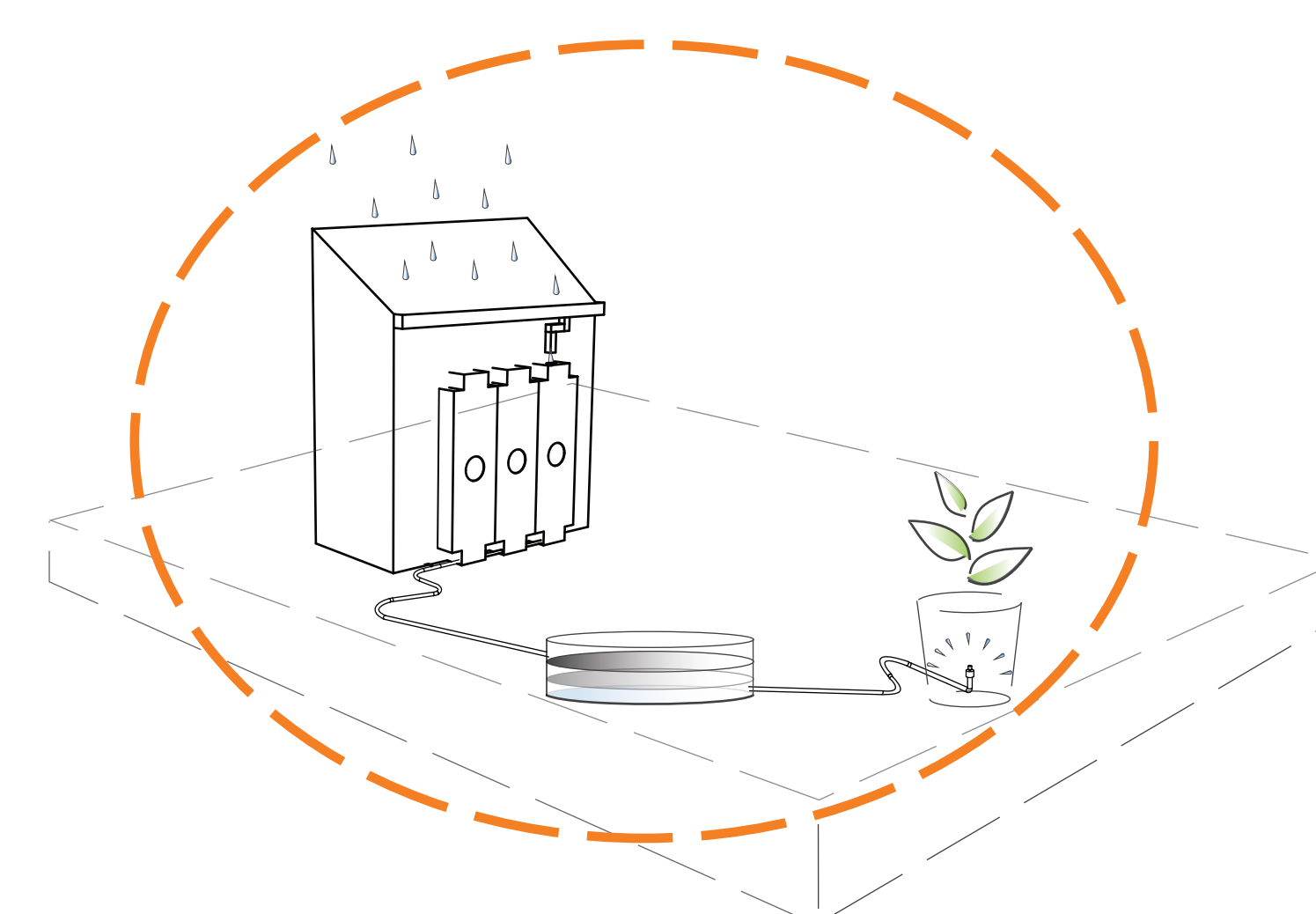


DROUGHT RESILIENCE



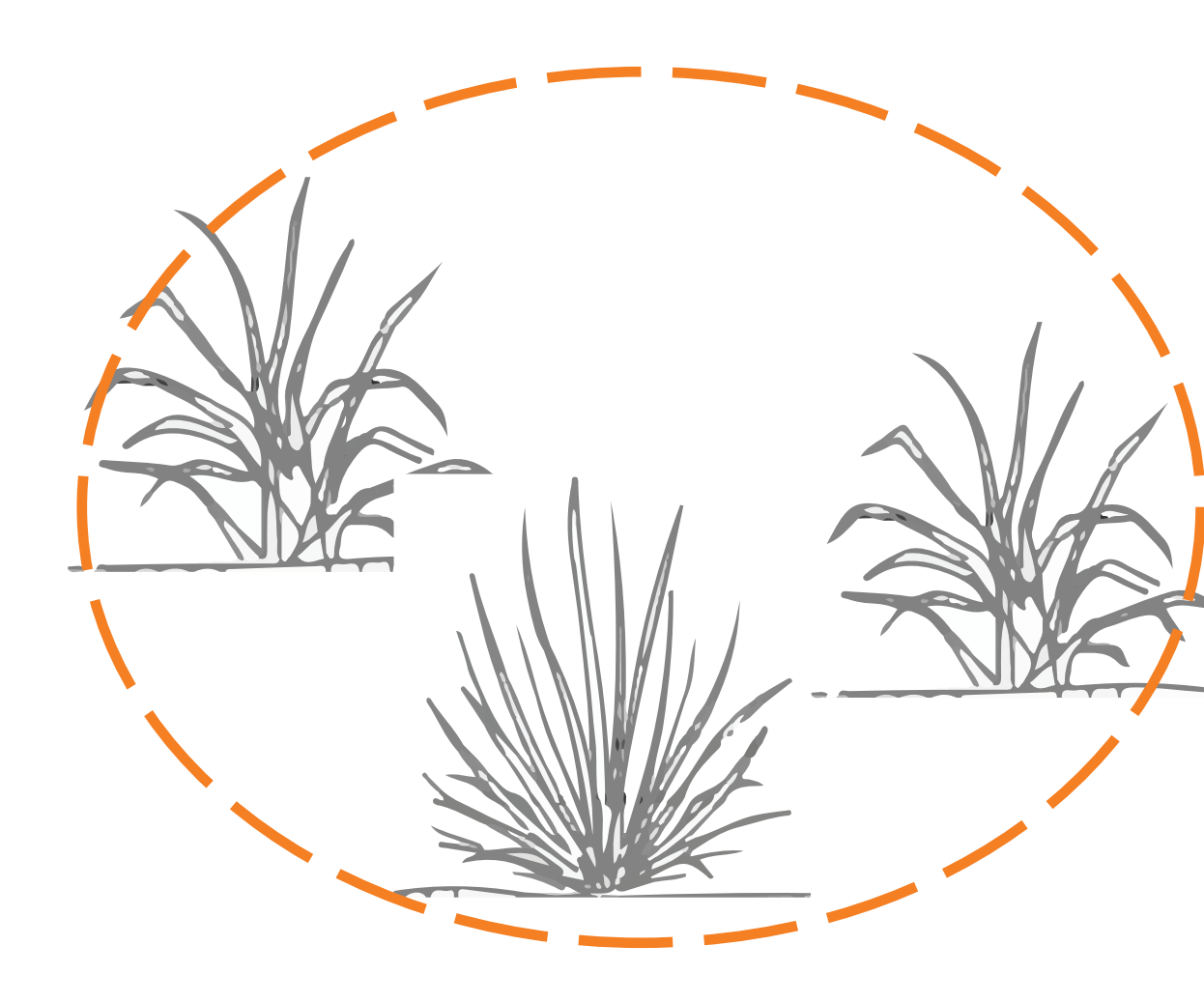
5 VERTICAL EDIBLE GARDEN

HYBRID ORGANIC / HYDROPONIC SYSTEM. VERTICAL ORIENTATION ALLOWS FOR HIGH DENSITY YIELDS IN MINIMAL SPACE.



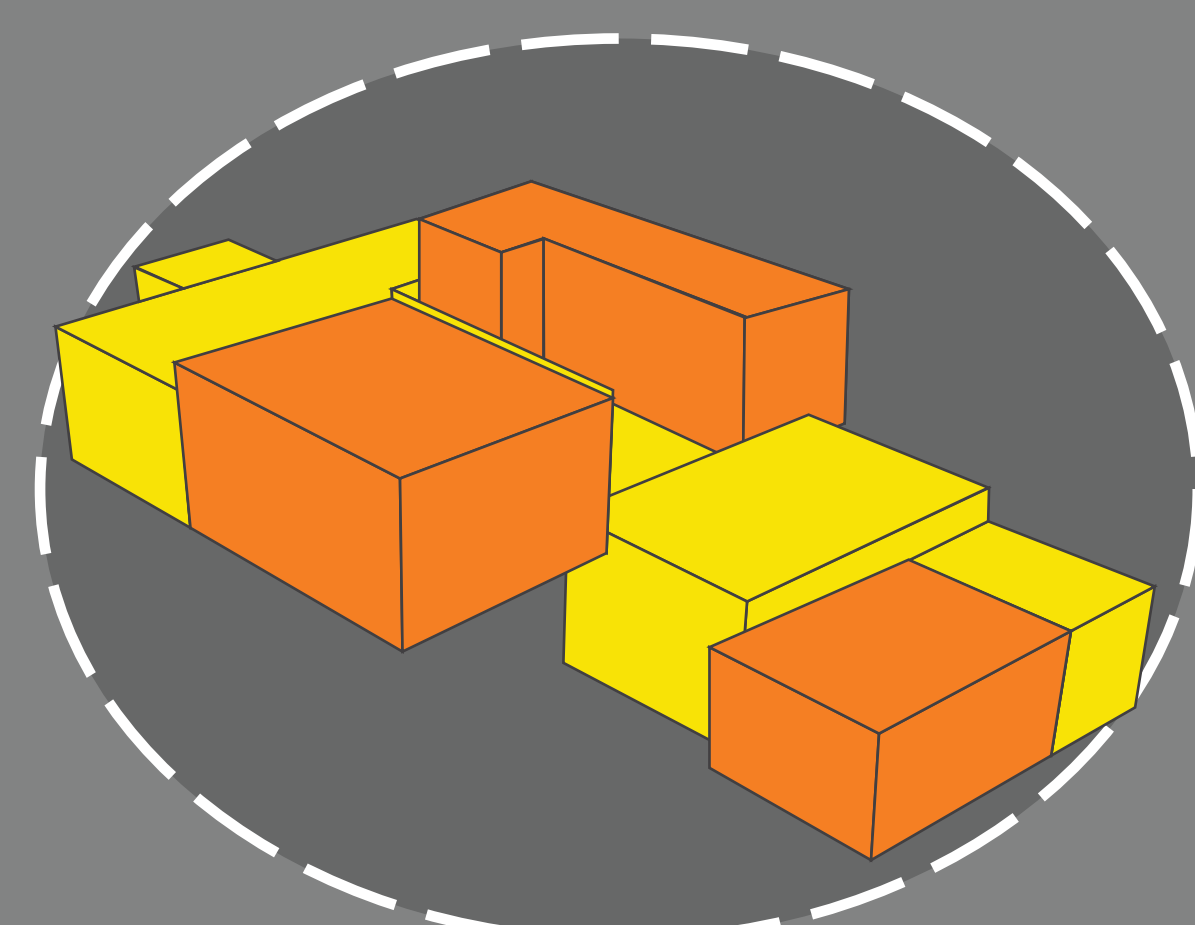
RAIN AND GREY WATER RECYCLING XERISCAPE:

COLLECT AND TREATS RAIN AND GREYWATER FOR IRRIGATION OF LANDSCAPE AND TOILETTE USE



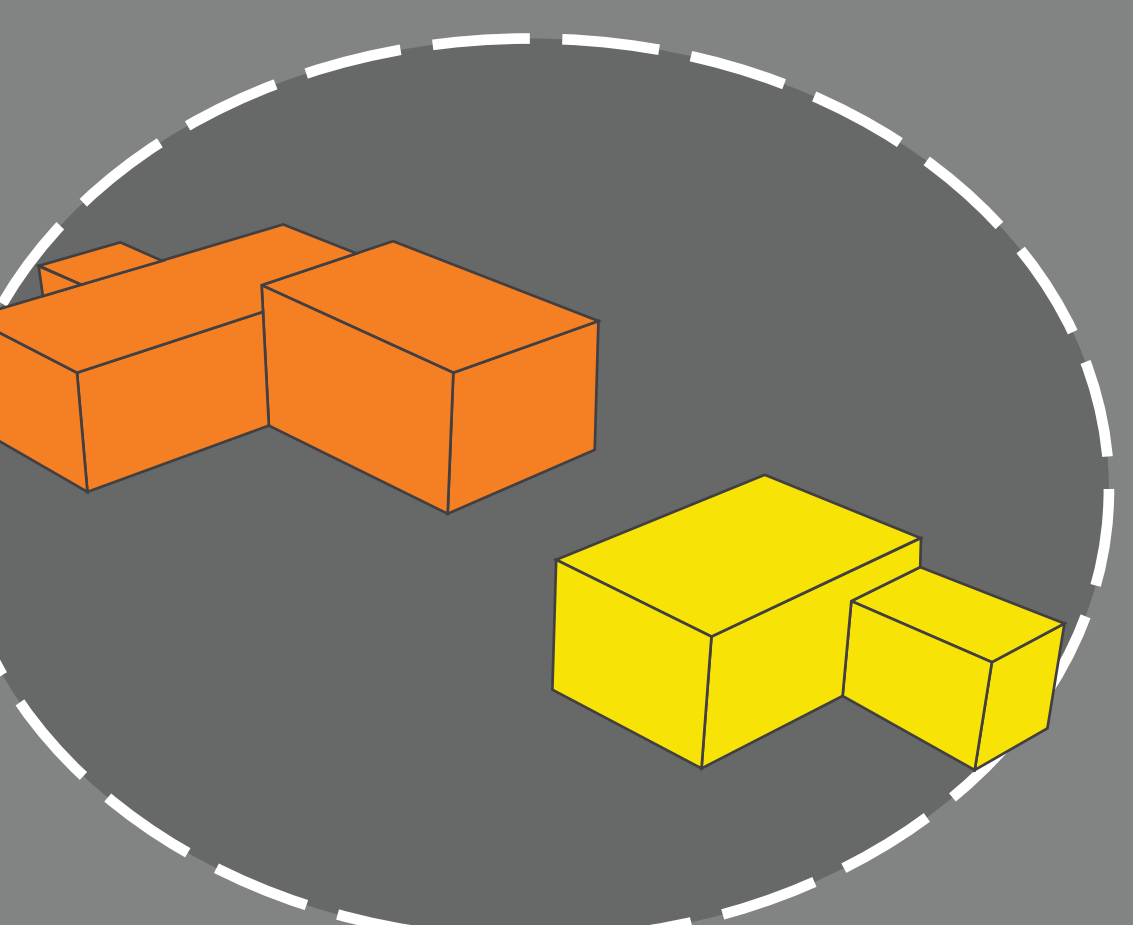
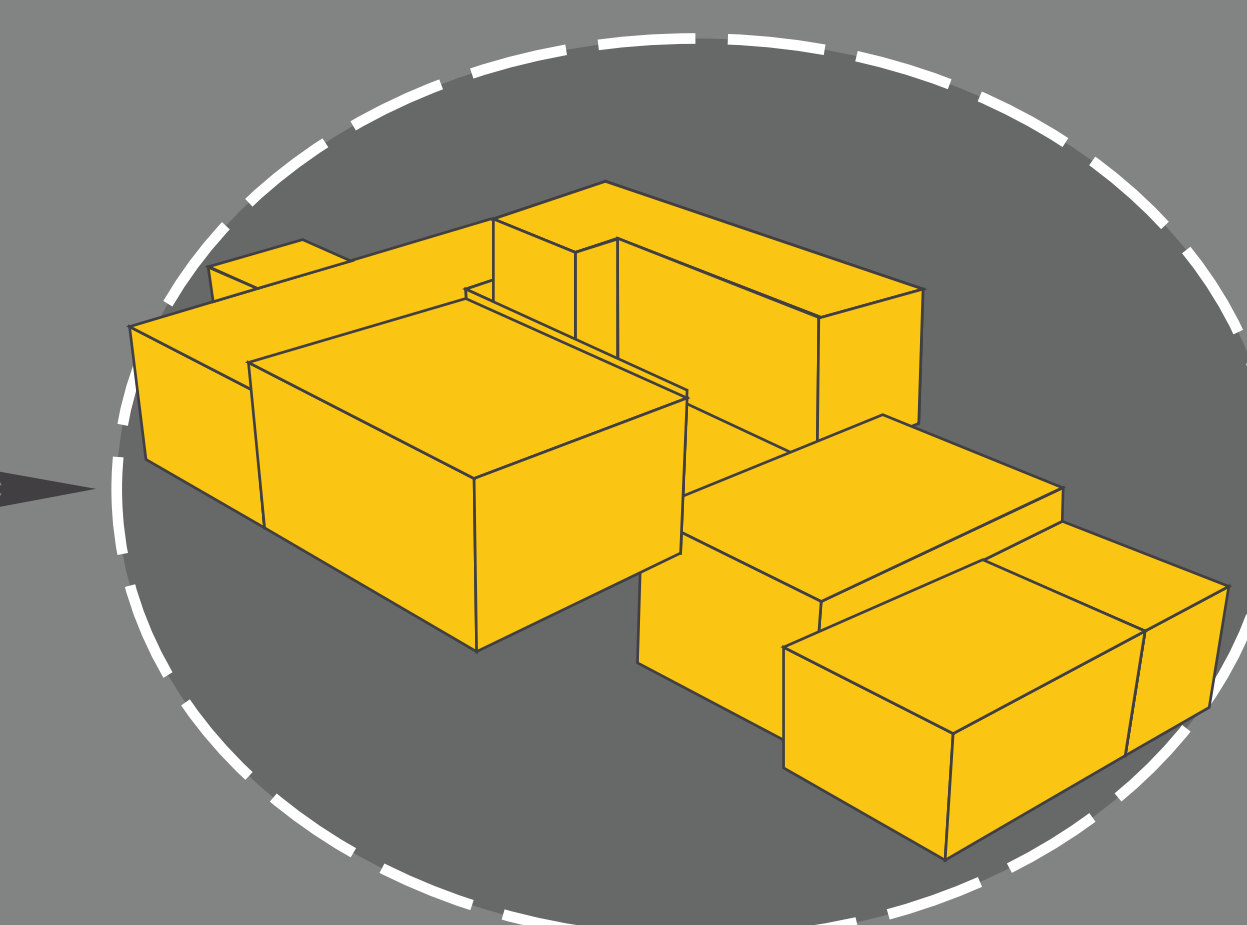
INDIGENOUS LANDSCAPE ELEMENTS THAT TOLERATE DROUGHT CONDITIONS IRRIGATED FROM RAIN AND RECYCLED GREY WATER

MARKET APPEAL



OUTDOOR LIVING

MILD CALIFORNIA WEATHER ALLOWS FOR LINKING OUTSIDE TO INSIDE THEREFORE EXPANDING LIVING SPACE



FLEX LIVING

ADDITIONAL INCOME FROM RENTAL OR MULTIGENERATIONAL ACCOMMODATIONS FOR THE GROWING ELDERLY AND THE BOOMERANG GENERATION

