

CONCEPT SHEET PASSIVE COOLING WEEKEND COTTAGE

GREEN COOLING
COOLING THROUGH EVAPOTRANSPIRATION



VENTILATION
CROSS VENTILATION
COOLING THROUGH MOVEMENT OF AIR

VENTILATION

TRACK NEAR BUILDING
ACT AS NATURAL MICROCLIMATE,
COOLING, FILTER AND ABSORB DUST

PLAN EVOLUTION



TREES ACT AS NATURAL FILTER
BY TRAPPING DUST AND CLEANING THE
SURROUNDING AIR THROUGH
EVAPOTRANSPIRATION, REDUCING AIR TEMP

TREES NEAR BUILDING
ACT AS NATURAL MICROCLIMATE,
COOLING, FILTER AND ABSORB DUST

TREES, BOARDS AS SHADING DEVICE

BY PROVIDING SHADE AND
PREVENTING DIRECT SOLAR
RADIATION, THIS MAINTAINING
INTERIOR COOL TEMPERATURE

BUILDING DESIGN APPROACH THAT
USES NATURAL PROCESSES SUCH AS
VENTILATION, NATURAL INSULATION
TO COOL SPACES, NOT MECHANICAL



ROOF OVERHANG

SHADING WALLS AND WINDOWS, REDUCING
HEAT GAIN AND IMPROVING INSULATION



USER ANALYSIS



STRETCHING, RUNNING
IMPROVES BLOOD
CIRCULATION, ANXA,
STAMINA,
LONGEVITY



STRETCHING, RUNNING
APPROACHES TOO
CIRCULATION, ANXA,
ENDURANCE,

SUSTAINABLE DESIGN. HEALTHIER LIVING

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WEEKEND COTTAGE

SECTION & ELEVATION

SECTION A



SECTION A'



ELEVATION B

SCALE 1:100



ELEVATION B'



