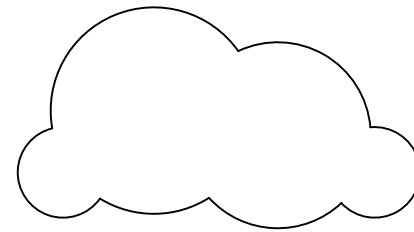


SUNPOWER SPR X21 panels
26pv @ 0.345kWp EFFICIENCY
SOUTH EAST ORIENTED @ 45 DEGREES
TOTAL SYSTEM POWER 8.97 kWp
CHARGE CONTROL via BATTERY PACK



SOUTH FACING HYROPONIC MODULAR LIVING WALL
PLANTER UNITS FITTED TO SYSTEM SUPPORTING FRAME AUTOMATED
PROGRAMMER PUMP FLOW RATE AND DOSE SET
POWERED BY pv/BATTERY STORE

GREEN ROOF ORIENTED TO MITIGATE UNDUE SOLAR GAIN

RAINWATER COLLECTED INTO POOL

RAINWATER ATTENUATION POND PROVIDES
IRRIGATION TO GREEN WALL
PUMP AND DOSE SET POWERED BY
pv/BATTERY STORE

EX 125 X 25 THERMO TREATED LARCH
WITH SiOO:X SILICATE COATING
50X50 BATTENS
BREATHER SARKING BETWEEN BATTENS
140 STRUCTURAL INSULATED COMPOSITE PANEL
90MMM ROCKWOOL INSULATION BATTS
DRYLING BATTENS FOR SERVICE RUNS
12 FIRELINE PLASTERBOARD



timber coating reacts to quickly produce
protective silver finish

TESLA POWERWALL 2 AC
BATTERY PACK
MAX OUTPUT 7 Kw
EXCESS TO MAINS or GRID
1150H X 755W X 155D
INC pv INVERTER



mitsubishi electric
ECODAN MONOBLOC
AIR SOURCE HEAT PUMP
PUHZ HW140VHA2 YHA2
1020W 1350H 417D
4.8 kW INPUT
14 kW OUTPUT



Nu Heat LTHW UNDERFLOOR HEATING LOOP
215 L hw CYLINDER
100L BUFFER TANK
7 kW LOAD

EXTERNAL VEHICLE RECHARGE POINT



Notes

Project

BLUE MOON Paddock

Drawing Title

SUSTAINABILITY INTEGRATION
OVERVIEW

Scale NTS A3

Date JUNE 2017

Drawing No.

NB 6