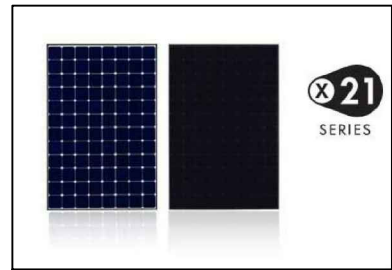
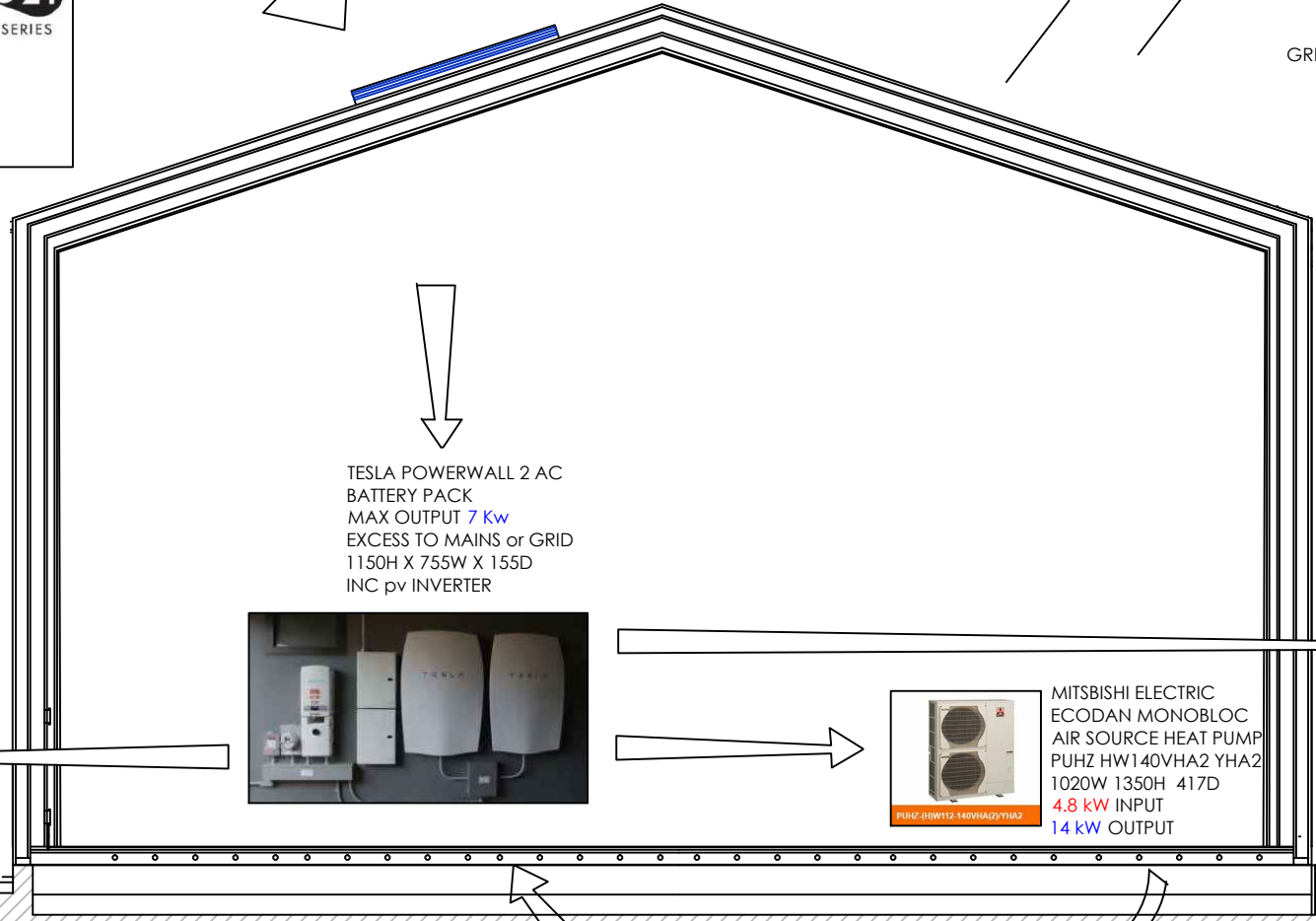


SOUTH FACING HYDROPONIC MODULAR LIVING WALL  
 PLANTER UNITS FITTED TO SYSTEM SUPPORTING FRAME AUTOMATED  
 PROGRAMMER PUMP FLOW RATE AND DOSE SET  
 POWERED BY pv/BATTERY STORE



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



GREEN ROOF ORIENTED TO MITIGATE UNDUE SOLAR GAIN

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



EXTERNAL VEHICLE RECHARGE POINT



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

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  
 90MM ROCKWOOL INSULATION BATTS  
 DRYLING BATTENS FOR SERVICE RUNS  
 12 FIRELINE PLASTERBOARD



timber coating reacts to quickly produce  
 protective silver finish

Notes	Project	Drawing Title	Scale	Drawing No.
	BLUE MOON Paddock	SUSTAINABILITY INTEGRATION OVERVIEW	NTS A3 Date JUNE 2018	NB 5