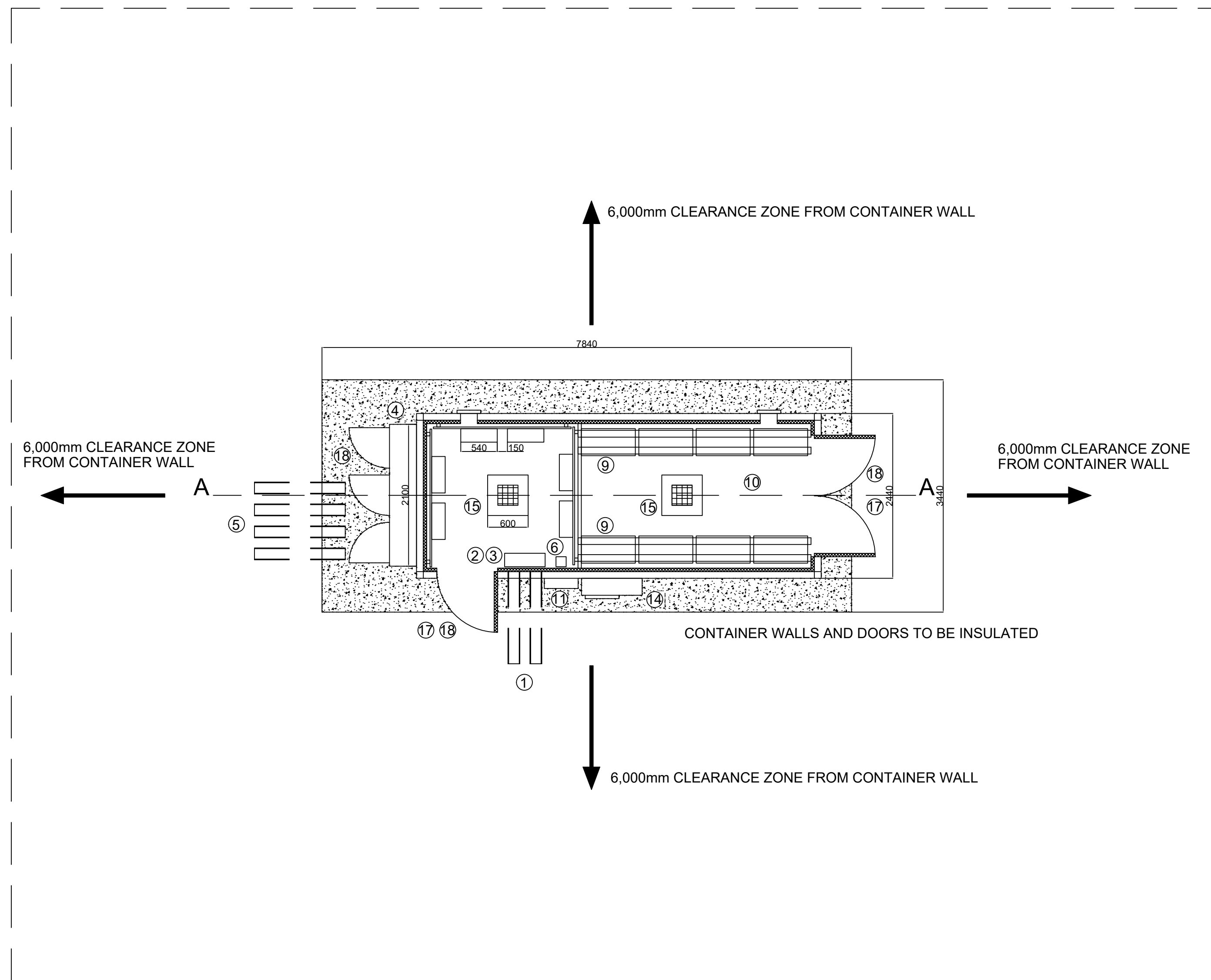
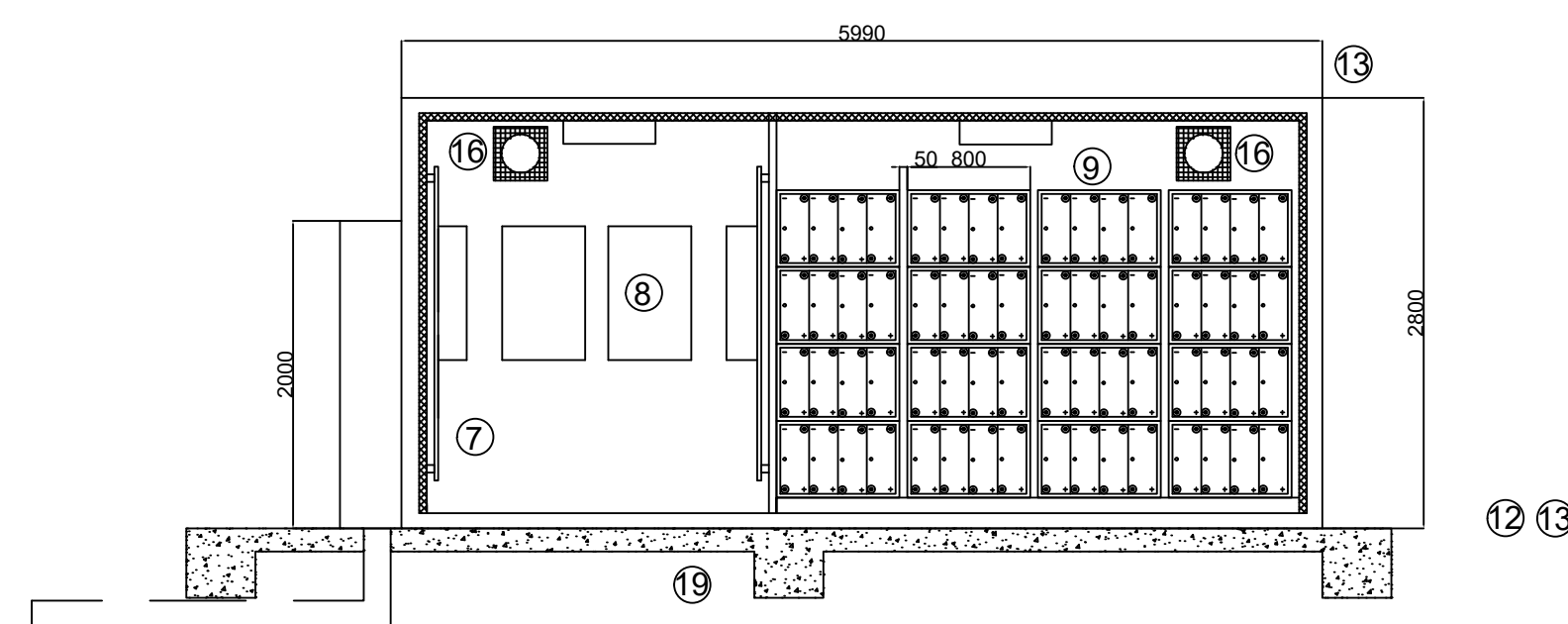


PLAN VIEW



SIDE VIEW (SECTION A - A)



NOTES

- I. DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE NOT TO BE USED FOR CONSTRUCTION.
- II. EQUIPMENT NOISE LEVELS TO BE ASSESSED BY ACOUSTIC ENGINEER FOR COMPLIANCE WITH ALLOWABLE ZONE NOISE LEVELS.
- III. ALL CABLE PENETRATIONS TO BE SEALED WITH MASTIC.
- 1) 2 X 150mm COMMUNICATIONS CONDUITS TO CARRY 6 CORE SINGLE MODE OPTICAL FIBRE AND 12 PAIR COPPER CABLE.
- 2) 12 RU COMMUNICATIONS CABINET WITH INCOMING FIBRE AND COPPER CONNECTIONS, MEDIA CONVERTER, UPS AND PATCH PANEL. COMMUNICATIONS CONNECTIONS ARE REQUIRED FOR BATTERY AND INVERTER CONTROL SYSTEM, FIRE INDICATOR PANEL AND AIR CONDITIONING PLANT. ALL INTERNAL COMMUNICATIONS CABLE TO BE INSTALLED IN SURFACE MOUNTED CONDUIT.
- 3) BATTERY AND INVERTER CONTROL PANEL.
- 4) IP 66 BATTERY MAIN SWITCH BOARD.
- 5) 4 X 150mm ELECTRICAL CONDUITS CONNECTING TO PV ARRAY AND SITE LOW VOLTAGE NETWORK.
- 6) EARTH BAR CONNECTED TO EARTH MATT WITH MINIMUM 1 OHM RESISTANCE. BOND ROOF TO EARTH BAR.
- 7) ALL INTERNAL ELECTRICAL CABLE TO BE INSTALLED IN SURFACE MOUNTED CONDUIT. ALL ELECTRICAL WORK TO MEET AS 3000.
- 8) 20 kW INVERTERS.
- 9) 128 V, 115 kWh BATTERY BANK.
- 10) ALL INTERNAL LIGHTING AND SWITCHBOARD LIGHTING TO MEET AS 3000, AS 2293 AND AS 1680.
- 11) FIRE INDICATOR PANEL CONNECTED TO FIRE BRIGADE VIA COPPER COMMUNICATIONS CABLE AND RADIO FREQUENCY TRANSMITTER. SMOKE / HEAT DETECTORS AND ALARMS TO MEET AS 1670. PORTABLE FIRE EXTINGUISHERS TO MEET AS 2444.
- 12) CONDENSATE PUMPS FOR AIR CONDITIONING UNITS TO DRAIN TO LANDSCAPING.
- 13) ROOF AND CONCRETE HARD STAND TO DRAIN TO LANDSCAPING.
- 14) REVERSE CYCLE AIR SOURCE HEAT PUMP, WITH PROPRIETARY CONTROL SYSTEM. CONTROL SYSTEM TO FULLY INTERFACE WITH BATTERY AND INVERTER CONTROL SYSTEM.
- 15) CEILING MOUNTED FAN COIL UNITS.
- 16) WALL MOUNTED VENTILATION FANS, WITH PROPRIETARY CONTROL SYSTEM. CONTROL SYSTEM TO FULLY INTERFACE WITH BATTERY AND INVERTER CONTROL SYSTEM. VENTILATION SYSTEM TO MEET AS 1668.
- 17) LOW LEVEL OPENINGS FOR MAKE-UP AIR VIA 600 X 450 DOOR GRILLES TO MEET AS 1668.
- 18) ALL CONTAINER DOORS AND SWITCHBOARD DOORS TO BE KEYED TO MASTER KEY SET.
- 19) CONCRETE HARD STAND TO BE DESIGNED BY STRUCTURAL / CIVIL ENGINEER BASED ON SITE GEOTECHNICAL TESTING.

SCALE BAR



Revision notes:

Rev:	Date:	Notes:
1	14/11/2016	PRELIMINARY DESIGN

Drawn by:

CHRIS KORNEK

Client:

NARARA ECOVILLAGE POWER PTY LTD

Project:

NARARA ECOVILLAGE
MICRO-GRID

Drawing Title:

230 kWh BATTERY BANK
CONTAINER LAYOUT

Date:

14/11/2016

Scale @ A3:

1:100

Revision:

1

