CALCULATED 90 AMPS PER
PHASE MD

160 Amp Load
Break Switch

72 WAY Chassis 250amp

C/B-1,3,5

32 AMP

SYSTEM 1

21 amp load. Aprox total
circuit distance is 40m
@400v using 6mm Cable =
2.1vd protected by a
32amp MCB

6mm
4c+Ecc

35amp
Isolator

L1
L2
L3
N

M1 M2
OUT
PURY-P400YJM-A
20.9 Amps
M1 M2

C/B 7

10 AMP

4.8 amp load. Aprox
total circuit distance
is 50m VD of 2.2%
with 10 amp CB

4mm
2c+Ecc

BRANCH
CONTROLLER
No 1

M1 M2
L
N
CMB-P108V-GA
0.4 Amps

1 PAIR
SCREEN 1.2mm
16/0.30

RECEPTION AREA
DUCTED AC-1

AC-1

TB-5
TB-15
L
N
PEFY-P100
2.34Amps
0.75mm
Screened
1 pair
PAR-21MAA
CONTROLLER

MEETING AREA G-04
DUCTED AC-2

AC-2

TB-5
TB-15
L
N
PEFY-P71
1.2Amps
0.75mm
Screened
1 pair
PAR-21MAA
CONTROLLER

C/B 9

10 AMP

3.8 amp load. Aprox total
circuit distance is 42m VD
of 3.0% with 10 amp CB

2.5mm
2c+Ecc

MEETING AREA G-05
DUCTED AC-3

AC-3

TB-5
TB-15
L
N
PEFY-P80
1.47Amps
0.75mm
Screened
1 pair
PAR-21MAA
CONTROLLER

ADMIN AREA G-31
DUCTED AC-5

AC-5

TB-5
TB-15
L
N
PEFY-P100
2.34Amps
0.75mm
Screened
1 pair
PEFY-P125
2.21Amps
PAR-21MAA
CONTROLLER

C/B 11

40 AMP

0.9 amp load. Aprox
total circuit distance
is 35m VD of 2.48%
with 10 amp CB

2.5mm
2c+Ecc

MEETING ROOM G-28
CASSETTE UNIT No 4

AC-4

TB-5
TB-15
L
N
PLFY-P32
0.28Amps
0.75mm
Screened
1 pair
PAR-21MAA
CONTROLLER

CEO's ROOM G-33
CASSETTE UNIT No 7

AC-7

TB-5
TB-15
L
N
PLFY-P32
0.28Amps
0.75mm
Screened
1 pair
PAR-21MAA
CONTROLLER

OFFICE MAN ROOM G-32
CASSETTE UNIT No 6

AC-6

TB-5
TB-15
L
N
PLFY-P32
0.28Amps
0.75mm
Screened
1 pair
PAR-21MAA
CONTROLLER

CONDENSOR
UNIT CU2

C/B-2,4,6

32 AMP

SYSTEM 2

23 amp load. Aprox
total circuit distance
is 40m @400v using
6mm Cable = 2.1vd
protected by a 32amp
MCB

6mm
4c+Ecc

20amp
Isolator

L1
L2
L3
N

M1 M2
OUT
PURY-P450YJM-A
22.5 Amps
M1 M2

C/B 8

10 AMP

3.9 amp load. Aprox
total circuit distance
is 35m VD of 2.48%
with 10 amp CB

2.5mm
2c+Ecc

BRANCH
CONTROLLER
No 2

M1 M2
L
N
CMB-P108V-GA
0.4 Amps

HUB AREA G-21 & G-22
DUCTED UNIT No 8

AC-8

TB-5
TB-15
L
N
PEFY-P200
3.47Amps
0.75mm
Screened
1 pair
PAR-21MAA
CONTROLLER

No	ISSUE	BY	DATE	No	ISSUE	BY	DATE

No		BY	DATE

DATE 7th of April 2013 DESIGNED RR

SCALE N/A CHECKED

DRAWN RR No. IN SET 1 OF 6

CONTROL & DESIGN PTY LTD
52 TAYLORS LANE STRATHFIELDSAYE
TEL. (03) 54393495 FAX. (03) 54395126
A.C.N. 086698679

PROJECT

BALLARAT DISTRICT NURSING HEALTHCARE
1818 STURT STREET ALFREDTON BALLARAT

TITLE

MECHANICAL ELECTRICAL SERVICES MSSB-1 ELECTRICAL SCHEMATIC DRAWINGS FOR AIR-CONDITIONING

PROJECT No.	DRAWING No.	REVISION
C-455	E1	1

CAD FILE No. BALLARAT DNHC/electrcialschematics