

# PARKER'S ELECTRICAL NQ

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LIC No 77932

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## Gromac Quarry NQ

Townsville Pinnacle Quarry

Gumlow Rd

Pinnacles QLD 4815

### Subcircuits

#### Barmac (MP909)

Circuit	Insulation Resistance Red >1MΩ	Insulation Resistance White >1MΩ	Insulation Resistance Blue >1MΩ	Insulation Resistance Black >1MΩ	Earth Resistance	Fault Loop Impedance
POWER 1	2M	2M	2M	N/A	0.01	Pass
POWER 2	2M	2M	2M	N/A	0.01	Pass
POWER 3	2M	2M	2M	N/A	0.01	Pass
POWER 4	2M	2M	2M	N/A	0.01	Pass

#### Agg Plant

Circuit	Insulation Resistance Red >1MΩ	Insulation Resistance White >1MΩ	Insulation Resistance Blue >1MΩ	Insulation Resistance Black >1MΩ	Earth Resistance	Fault Loop Impedance
Generator GN818	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
CB1 (MP909)	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
CB2 (MP909)	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
CB3 (MP909)	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
CB4 (MP909)	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
CB5 (MP909)	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
CB6 (MP909)	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
CB7 (MP909)	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
CB8 (MP909)		>200MΩ		>200MΩ	0.01	Pass
CB9 (MP909)	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
CB10 (MP909)	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass

#### Wash Plant (PNPC01)

Circuit	Insulation Resistance Red >1MΩ	Insulation Resistance White >1MΩ	Insulation Resistance Blue >1MΩ	Insulation Resistance Black >1MΩ	Earth Resistance	Fault Loop Impedance
Feed	54MΩ	>200MΩ	>100MΩ	>200MΩ	0.01	Pass
Conveyor 1	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Screen	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Conveyor 2	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Conveyor 3	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Conveyor 4	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass

Wat P	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Pre Coat	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Power Point			>200MΩ	>200MΩ	0.01	Pass

### MCC 1 (PNMCC02)

Circuit	Insulation Resistance Red >1MΩ	Insulation Resistance White >1MΩ	Insulation Resistance Blue >1MΩ	Insulation Resistance Black >1MΩ	Earth Resistance	Fault Loop Impedience
Mains (Ergon)			N/A	N/A	0.01	Pass
Lights			>200MΩ	>200MΩ	0.01	Pass
15A GPO	>200MΩ			>200MΩ	0.01	Pass
15A GPO		>200MΩ		>200MΩ	0.01	Pass
32A 3Ph Outlet	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
32A 3Ph Outlet	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Cooling Fan		>200MΩ		>200MΩ	0.01	Pass
50A 3Ph Outlet	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Overhead Crain	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
GPO			>200MΩ	>200MΩ	0.01	Pass
Rock Breaker	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Convayr 1	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Main Fedder	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Jaw Crusher	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass

### Pug Mill (PNPUG01)

Circuit	Insulation Resistance Red >1MΩ	Insulation Resistance White >1MΩ	Insulation Resistance Blue >1MΩ	Insulation Resistance Black >1MΩ	Earth Resistance	Fault Loop Impedience
(1,3,5) Belt Feeder	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(2,4,6) Belt Feeder	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(7,9,11) Transfer	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(8,10,12) Pugmill	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(13,15,17) Radial Hyd	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(14,16,18) Water Pump)	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(19,21,23) Cement Screw	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(20,22,24) Cement Rotary	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(25,27,29) Pugmill	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(26,28,30) Radial Stacker	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(31,33,35) Air Compressor	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(32,34,36) Cob Hopper	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(37,39,41) Bin Vibrators	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(38) MCC Control	>200MΩ			>200MΩ	0.01	Pass
(40) 24v DC		>200MΩ		>200MΩ	0.01	Pass
(42) Switchroom DB1			>200MΩ	>200MΩ	0.01	Pass
(43) 5 Pin Outlett	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
(44) Control DB2		>200MΩ		>200MΩ	0.01	Pass
(46) 15A GPO			>200MΩ	>200MΩ	0.01	Pass
(48) Plant Lights	>200MΩ			>200MΩ	0.01	Pass
(50) Silo Fill		>200MΩ		>200MΩ	0.01	Pass
(52) Fan Supply			>200MΩ	>200MΩ	0.01	Pass

(SB1) Air Conditioner			>200MΩ	>200MΩ	0.01	Pass
(SB1) Power			>200MΩ	>200MΩ	0.01	Pass
(SB1) Lights			>200MΩ	>200MΩ	0.01	Pass
(SB1) Smoke Alarm			>200MΩ	>200MΩ	0.01	Pass
(SB2) Air Conditioner		>200MΩ		>200MΩ	0.01	Pass
(SB2) Power		>200MΩ		>200MΩ	0.01	Pass
(SB2) Lights		>200MΩ		>200MΩ	0.01	Pass
(SB2) Smokie Alarms		>200MΩ		>200MΩ	0.01	Pass

## Work Shop

Circuit	Insulation Resistance Red >1MΩ	Insulation Resistance White >1MΩ	Insulation Resistance Blue >1MΩ	Insulation Resistance Black >1MΩ	Earth Resistance	Fault Loop Impedience
15A GPO	>200MΩ			>200MΩ	0.01	Pass
15A GPO		>200MΩ		>200MΩ	0.01	Pass
15A Gpo			>200MΩ	>200MΩ	0.01	Pass
Power	>200MΩ			>200MΩ	0.01	Pass
Lights		>200MΩ		>200MΩ	0.01	Pass
Pump			>200MΩ	>200MΩ	0.01	Pass
32A Outlet	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
32A Outlet	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Fuel	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
15A Outlet	>200MΩ			>200MΩ	0.01	Pass
Office			>200MΩ	>200MΩ	0.01	Pass
Wash Plant	>200MΩ	>200MΩ	>200MΩ	>200MΩ	0.01	Pass
Smoko Room			>200MΩ	>200MΩ	0.01	Pass

## Smoko Room

Circuit	Insulation Resistance Red >1MΩ	Insulation Resistance White >1MΩ	Insulation Resistance Blue >1MΩ	Insulation Resistance Black >1MΩ	Earth Resistance	Fault Loop Impedience
Power			>200MΩ	>200MΩ	0.01	Pass
Lights			>200MΩ	>200MΩ	0.01	Pass
Hot Water			>200MΩ	>200MΩ	0.01	Pass

## Office

Circuit	Insulation Resistance Red >1MΩ	Insulation Resistance White >1MΩ	Insulation Resistance Blue >1MΩ	Insulation Resistance Black >1MΩ	Earth Resistance	Fault Loop Impedience
(1) AC	>200MΩ			>200MΩ	0.01	Pass
(2) AC	>200MΩ			>200MΩ	0.01	Pass
(3) Power	>200MΩ			>200MΩ	0.01	Pass
(4) AC	>200MΩ			>200MΩ	0.01	Pass
(5) Power	>200MΩ			>200MΩ	0.01	Pass
(6) Power	>200MΩ			>200MΩ	0.01	Pass
(7) AC	>200MΩ			>200MΩ	0.01	Pass
(8) AC	>200MΩ			>200MΩ	0.01	Pass
(9) AC	>200MΩ			>200MΩ	0.01	Pass

(10) Power	>200MΩ			>200MΩ	0.01	Pass
(11) Lights	>200MΩ			>200MΩ	0.01	Pass

I certify that all test has been carried out in accordance with the testing procedure in AS/NZS 3760, the tests in this report are due to be retested on 1 June 2018.

Gary Parker

