

## Customer details

### Del Grassi

Snowdonia Air Conditioning Pty Ltd  
Po Box 1116  
NORTH LAKES QLD 4509  
Phone: 07 3482 0704 Fax: 07 3491 6588

## Quotation details

Page 1 of 7

**Quote #:** CWQ1457-1

**Quote date:** 19/09/2016

**Date required:** 1/05/16

**Closing date:**

**Salesperson:** Michael Sargent

**Job:**

**Project ref:** McLauchlan St, The Winn - Car Park

**Comments:** As per supplied drawings and discussion  
Supply and install a carpark ventilation system

### Includes

- Control of Car Park Ventilation (CPEX-1 and CPSU-1)
- Control of Pump Room fans (FPSU-1)
- Control of MSSB room Fan (SWSU-1)
- HHW and CHW Plant room Fan (PREX-1)
- Control of Stair Pressure Fan (SPSU-1)
- Fan MSSB Panel (3 phase Main Switch, 3 phase CB per VSD fan x 3, single phase CB x 3 Pant Room, Pump Room and Switch room)
- Control Panel located on basement level 1 Adjacent to MSSB
- Supply only of eighteen (18) CO sensors
- Supply of Isolator for VSD's (3off)
- Supply of Static pressure transducer for Stir press control
- Run and Fault LED's on Control Panel for all Six (6) fans
- VSD's configured for fire start and Stop
- Supply and Mounting of four (3) VSD drives adjacent MSSB
- Assembly of MSSB and Control panel off site
- Fitt of of interconnect cables between Control panel and MSSB
- Supply of Pump Room Exhaust Fan mechanical thermostat
- Supply of Switch Room Exhaust Fan mechanical thermostat
- Supply of Plant Room Exhaust Fan mechanical thermostat
- Field wiring, and installation of all supplied items
- Installation of Cables to CO Detectors
- Installation of cables to VSD Drives

### Excludes

- Control of any fans not nominated in inclusions
- Control of toilet exhaust fans
- Control or cabling for AC-G-1 office AC unit
- MSB feed to MSSB
- Supply of Fire Damper Actuators
- Fire cabling for VSD's start and stop
- CO2 detectors

### Qualifications

- Fan sizes to be confirmed prior to proceeding (as 1020355 M01 A Drawing Fan Schedules)

Item code	Description	Quantity	Price	SubTotal	GST	Total (AUD)
	<b>Car Park Ventilation (CPEX-1 and CPSU-1)</b>					
FC-101P3K0	Danfoss IP54 Variable Speed Drive, 3phase, 3KW	1				
FC-101P4K0	Danfoss IP54 Variable Speed Drive, 3phase, 4KW	1				
GSTA-C	CO Sensor, 200 or 500ppm, output selectable	18				

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Item code	Description	Quantity	Price	SubTotal	GST	Total (AUD)
CDIB-650X-00	BACnet advance application programmable controller with LCD Display for large sized AHU and medium/large plant applications with 16 UI and 12 UO. Expandable with expansion modules up to 76 points.	1				
CDIX-400X-00	Inputs and outputs extension modules for ECB-600 Series controllers with 12 UI and 12 UO.	2				
IO-DIM6	Digital Input Multiplexer - 6 x VFC or 24Vac/dc inputs, selectable output	2				

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Item code	Description	Quantity	Price	SubTotal	GST	Total (AUD)
TX100	Transformer 240/24 VAC 100VA	4				
CCS-121050	Current Switch, Solid Core, Fixed set point 0.5A, Red LED	6				
PMat	Control Panel complete - Steel 800 x 600 key Lockable	1				
PMat	MSSB Panel - Steel 800 x 600 key lockable	1				
PEng	Project Engineering	1				
PComm	Project Commissioning	1				

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Item code	Description	Quantity	Price	SubTotal	GST	Total (AUD)
PSite	Project Site Installation Labour fitt off interconnect six (6) Fans	1				
PSite	Project Site Installation Labour per CO detector	18				
PMat	Misc electrical, etc.	1				
	.					
	HHW&CHW Room, Pump Room and Switch Room ( FPSU-1, SWSU-1 and PREX-1)					

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Item code	Description	Quantity	Price	SubTotal	GST	Total (AUD)
DBET06060	Mechanical Thermostat 0-60°C Wall mounted, external capillary	3				
PMat	Run, Fault LED and Key Switch for Control panel	3				
PSite	Project Site Installation Labour	1				
PEng	Project Engineering	1				
	.					
	Stair Press Fan ( SPSU-1 )					

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FC-101P3K0	Danfoss IP54 Variable Speed Drive, 3phase, 3KW	1				
QBM2030-1U	Differential Pressure Sensor, Air/Gas, Ranges: -50 to +50, -100 to +100 & 0 to 100 (Pa)	2				
PSite	Project Site Installation Labour	1				
PMat	Screened cable	1				
PEng	Project Engineering	1				



PO Box 1384, Toombul, QLD 4012  
P: 07 3256 8606  
W: [www.controlworks.com.au](http://www.controlworks.com.au)  
ABN: 39 283 019 503

# Sales Quotation

Totals (AUD)	30,270.00	3,027.01	33,297.01
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