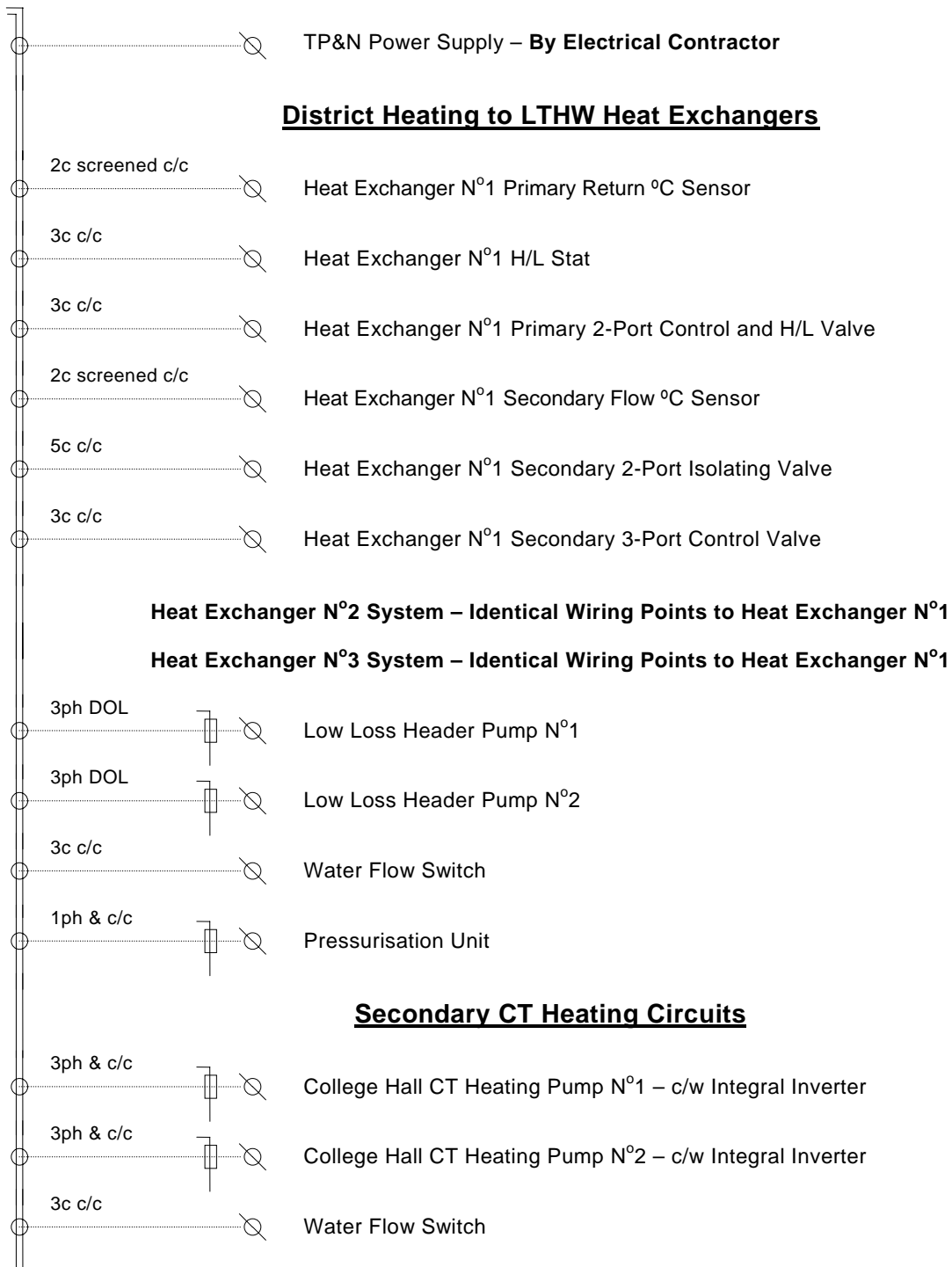


Consultant : Jacobs Consultancy UK Ltd
 Project : College Hall Redevelopment, University of London
 Quotation N° : Q6773/REV3/AB

FIELD WIRING SCHEMATIC

COLLEGE HALL BASEMENT PLANT ROOM CONTROL PANEL CP1



TOTAL CONTROL

Consultant : Jacobs Consultancy UK Ltd
 Project : College Hall Redevelopment, University of London
 Quotation N° : Q6773/REV3/AB

2c screened c/c		College Hall CT Heating Flow °C Sensor
2c screened c/c		College Hall CT Heating Return °C Sensor
3ph DOL		Georgian Terrace CT Heating Pump N°1
3ph DOL		Georgian Terrace CT Heating Pump N°2
3c c/c		Water Flow Switch
2c screened c/c		Georgian Terrace CT Heating Flow °C Sensor
2c screened c/c		Georgian Terrace CT Heating Return °C Sensor
<u>Secondary VT Heating Circuits</u>		
1ph & c/c		College Hall Zone 1 VT Heating Pump N°1 – c/w Integral Inverter
1ph & c/c		College Hall Zone 1 VT Heating Pump N°2 – c/w Integral Inverter
3c c/c		Water Flow Switch
2c screened c/c		College Hall Zone 1 VT Heating Flow °C Sensor
2c screened c/c		College Hall Zone 1 VT Heating Return °C Sensor
3c c/c		College Hall Zone 1 VT Heating 3-port Control Valve
1ph & c/c		College Hall Zone 2 VT Heating Pump N°1 – c/w Integral Inverter
1ph & c/c		College Hall Zone 2 VT Heating Pump N°2 – c/w Integral Inverter
3c c/c		Water Flow Switch
2c screened c/c		College Hall Zone 2 VT Heating Flow °C Sensor
2c screened c/c		College Hall Zone 2 VT Heating Return °C Sensor
3c c/c		College Hall Zone 2 VT Heating 3-port Control Valve

TOTAL CONTROL

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Plant Room Ventilation

2c screened c/c	⊗	Plant Room Space °C Sensor
1ph DOL	⊞	Supply Fan SF/B/1
1ph DOL	⊞	Extract Fan EF/B/1

College Hall HWS System

1ph & c/c	⊞	Packaged HWS Heat Exchanger N°1
1ph & c/c	⊞	Packaged HWS Heat Exchanger N°2
2c screened c/c	⊗	Common HWS Flow °C Sensor
1ph DOL	⊞	Common HWS Return Pump

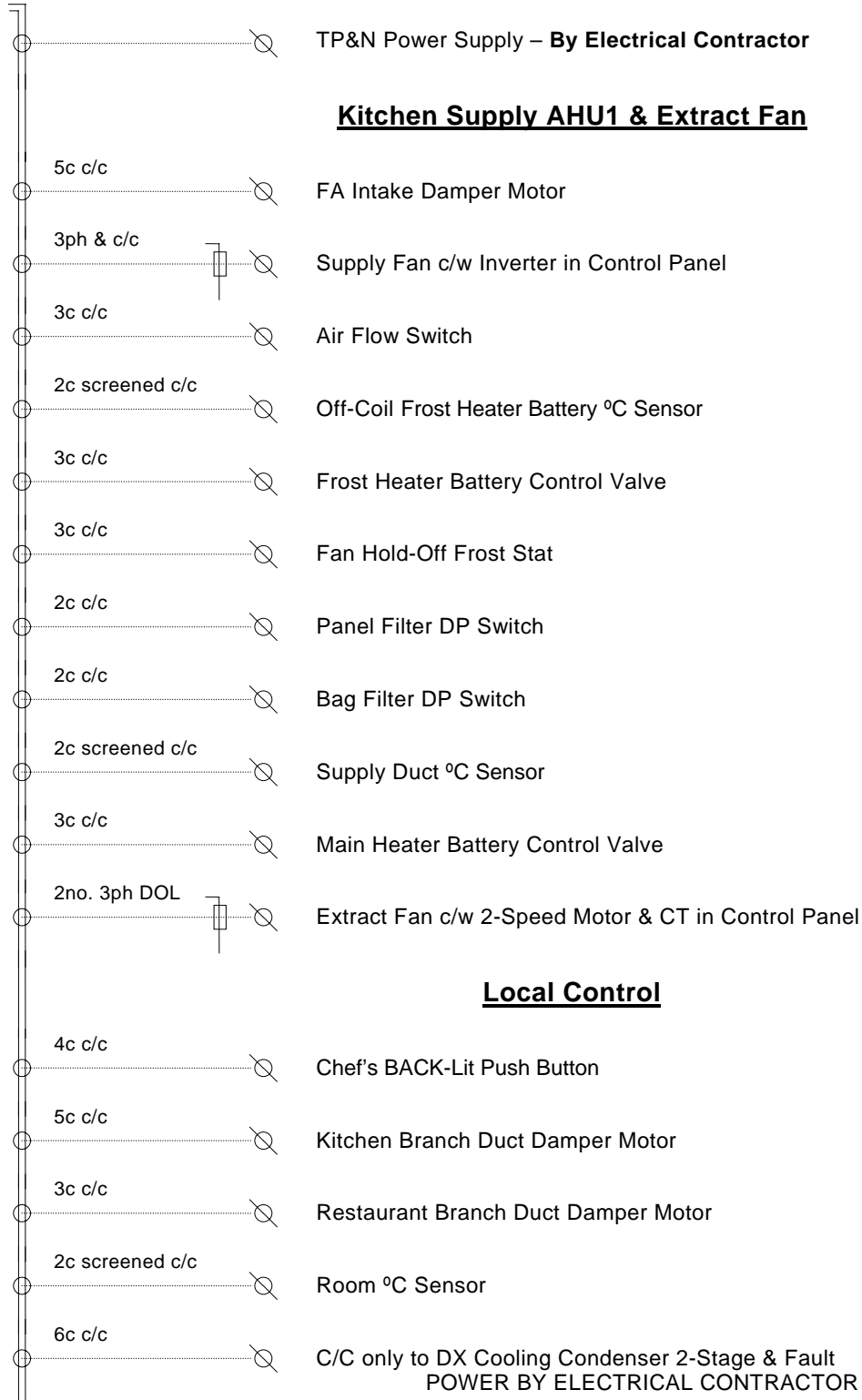
Miscellaneous

3ph & c/c	⊞	Packaged Irrigation Booster Set
3ph & c/c	⊞	Packaged Cold Water Booster Set
3ph & c/c	⊞	Packaged Softened Water Booster set
1ph & c/c	⊞	Packaged Hydronic Water Softener Unit
3ph DOL	⊞	Packaged Sewage Pump
2c screened c/c	⊗	District Heating System Heat Supplied Heat Meter
2c screened c/c	⊗	Georgian Terrace Heat Supplied Heat Meter
2c c/c	⊗	Control Panel Power Supply Changeover Monitoring
4c c/c	⊗	Comms Network to Other Panels

TOTAL CONTROL

Consultant : Jacobs Consultancy UK Ltd
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 Quotation N° : Q6773/REV3/AB





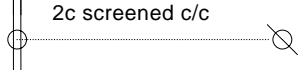









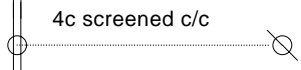


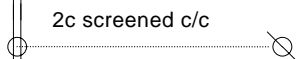

GROUND FLOOR KITCHEN VENT PLANT ROOM CONTROL PANEL CP2



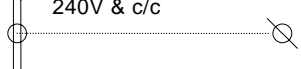

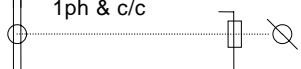

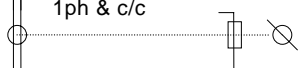

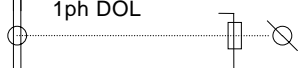

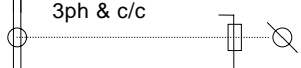

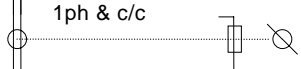

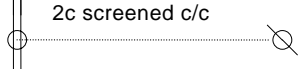



TOTAL CONTROL

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 Project : College Hall Redevelopment, University of London
 Quotation N^o : Q6773/REV3/AB

Transformer Room & Adjacent Areas

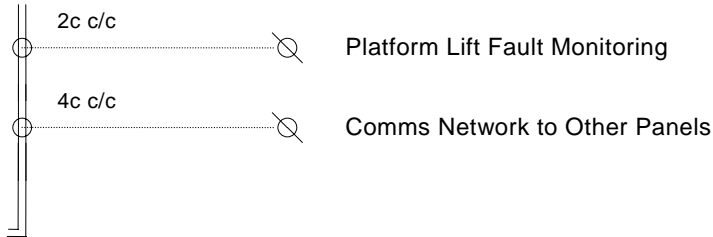
 <p>1ph DOL</p>		Transformer Room Extract Fan EF4
 <p>1ph DOL</p>		Transformer Room Extract Fan EF5
 <p>2c screened c/c</p>		Transformer Room °C Sensor
 <p>2c c/c</p>		Transformer Fault Monitoring
 <p>2c c/c</p>		HV Breaker Fault
 <p>4c c/c</p>		LV Switchboard Surge Suppressor Monitoring
 <p>2c c/c</p>		LV Switchboard Power Supply Changeover Monitoring
 <p>4c screened c/c</p>		Trend Network to 2no. LV Switchboard Electricity Meters c/w Trend Interface
 <p>2c screened c/c</p>		Gas Meter
 <p>2c screened c/c</p>		Water Meter

Miscellaneous

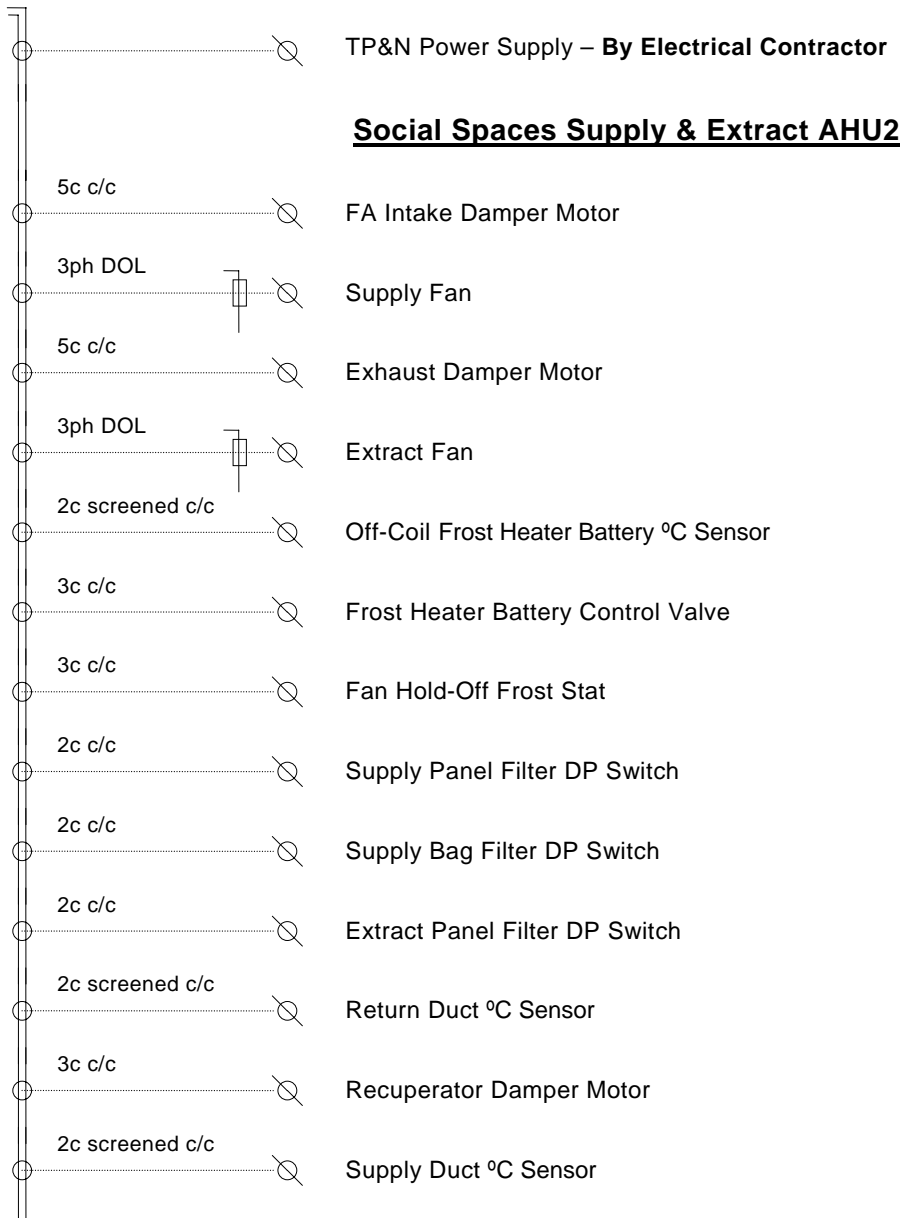
 <p>240V & c/c</p>		Kitchen Gas Safe Start System with KOB & Gas Solenoid Valve
 <p>1ph & c/c</p>		Packaged Toilet Extract System TEF7 ALL LOCAL WIRING BY ELECTRICAL CONTRACTOR
 <p>1ph & c/c</p>		Packaged Toilet Extract System TEF10 ALL LOCAL WIRING BY ELECTRICAL CONTRACTOR
 <p>1ph DOL</p>		Laundry Extract Fan EF1
 <p>3ph & c/c</p>		Laundry Booster Set
 <p>1ph & c/c</p>		Packaged Overdoor Heater ALL LOCAL WIRING BY ELECTRICAL CONTRACTOR
 <p>2c screened c/c</p>		Plant Room °C Sensor
 <p>1ph DOL</p>		Plant Room Extract Fan

TOTAL CONTROL

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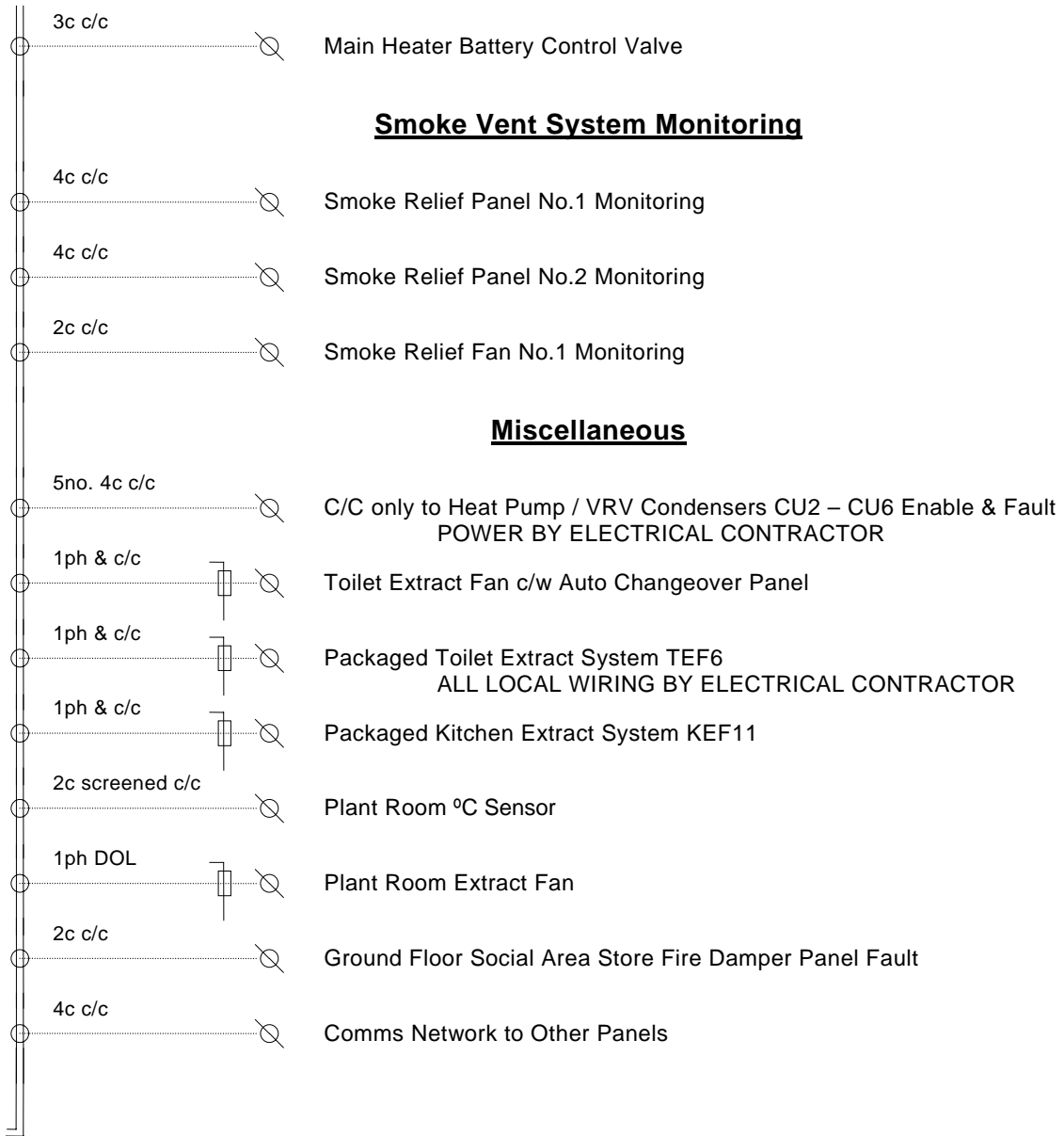


GROUND FLOOR SOCIAL SPACES PLANT ROOM CONTROL PANEL CP3

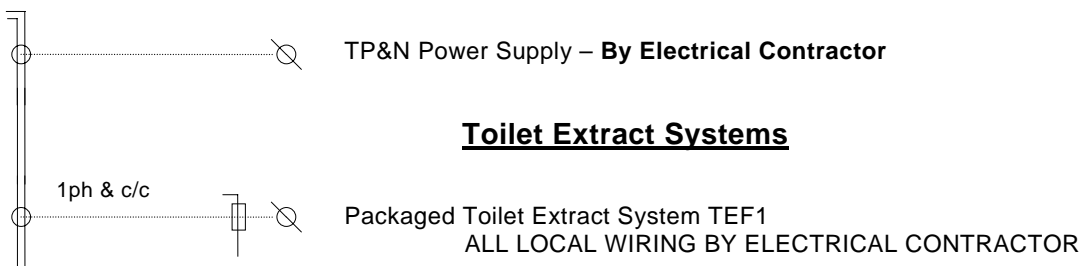


TOTAL CONTROL

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7TH FLOOR STORE ROOM CONTROL PANEL CP4



TOTAL CONTROL

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 Quotation N^o : Q6773/REV3/AB

1ph & c/c		Packaged Toilet Extract System TEF2 ALL LOCAL WIRING BY ELECTRICAL CONTRACTOR
1ph & c/c		Packaged Toilet Extract System TEF3 ALL LOCAL WIRING BY ELECTRICAL CONTRACTOR
1ph & c/c		Packaged Toilet Extract System TEF4 ALL LOCAL WIRING BY ELECTRICAL CONTRACTOR
1ph & c/c		Packaged Toilet Extract System TEF5 ALL LOCAL WIRING BY ELECTRICAL CONTRACTOR
1ph & c/c		Packaged Toilet Extract System TEF8 ALL LOCAL WIRING BY ELECTRICAL CONTRACTOR
1ph & c/c		Packaged Toilet Extract System TEF9 ALL LOCAL WIRING BY ELECTRICAL CONTRACTOR
<u>Miscellaneous</u>		
2c screened c/c		Outside °C Sensor
2c screened c/c		VT Heating Zone 1 Reference Room °C Sensor
2c screened c/c		VT Heating Zone 2 Reference Room °C Sensor
2c c/c		Smoke Relief Fan No.2 Monitoring
2c c/c		Main Lift No.1 Power Supply Changeover Monitoring
2c c/c		Main Lift No.1 Fault Monitoring
2c c/c		Main Lift No.2 Power Supply Changeover Monitoring
2c c/c		Main Lift No.2 Fault Monitoring
4c c/c		Comms Network to Other Panels