

LIGHTING CONTROL

- ONE WAY LIGHT SWITCH.
- TWO WAY LIGHT SWITCH.
- DIMMER LIGHT SWITCH.
- FAN SWITCH & SWITCHING.
- MASTER SWITCH.
- F2 - 4 BLADE, 1400mm DIA CEILING SWEEP FAN, C/W SUSPENSION ROD AND CEILING PLATE, CORROSION RESISTANT FINISH, MIN. 3 YEAR WARRANTY, PRECISION SERIES OR APPROVED EQUIVALENT.
- MOTION DETECTOR, B.E.G. IAUTOMATION
- PROGRAMMABLE LIGHTING CONTROL SYSTEM DYNALITE
- LIGHTING CONTROL PANEL ANTUMBRA DYNALITE

POWER

- 10A, 230V SINGLE (SSSO), ON MAINS SUPPLY.
- 15A, 230V SINGLE (SSSO), ON MAINS SUPPLY.
- 20A, 230V SINGLE (SSSO), ON MAINS SUPPLY.
- 10A, 230V DOUBLE (DSSO), ON MAINS SUPPLY.
- 1 PHASE ISOLATOR, RATING AS SHOWN.
- 3 PHASE ISOLATOR, RATING AS SHOWN.
- SINGLE PHASE DIRECT WIRED CONNECTION, RATING AS SHOWN.
- THREE PHASE DIRECT WIRED CONNECTION, RATING AS SHOWN.
- DB - DISTRIBUTION BOARD.
- MSB - MAIN SWITCHBOARD.
- MSSB - MECHANICAL SERVICES SWITCH BOARD.
- LSSB - LIFT SERVICES SWITCH BOARD.
- WALL OUTLET DUCT MODULINE SERIES 150x50 IN-LINE WITH TWO DIVISION COMPARTMENTS UNLESS OTHERWISE NOTED ON DRAWING. POWER COMPARTMENT AT BOTTOM
- TABLE BOX (BY WORKSTATION CONTRACTOR) C/W 4x SSOs, 1x HDMI (TO LCD SCREEN).
- RECESSED FLOOR BOX, STAINLESS STEEL C/W CARPET INSERT C/W 1x DSSO AND 1x DOUBLE DATA ECD FB2SR OR APPROVED EQUAL
- CABLE TRAY ROUTE
1E300 DENOTES TRAY SIZE
E - DENOTES ELECTRICAL
DENOTES TRAY QUANTITY
- ELECTRICAL VERTICAL RISING CABLE TRAY.

COMMUNICATIONS

- COMMUNICATIONS EQUIPMENT & PATCH RACK.
- RJ45 COMMS OUTLET.
x - DENOTES QUANTITY OF OUTLETS
CCTV - DENOTES 1x RJ45 OUTLET FOR CCTV CAMERAS
WAP - DENOTES 2x RJ45 OUTLETS FOR WIRELESS ACCESS POINT, WAP DEVICE AND BRACKET SUPPLIED BY SCHOOL AND INSTALLED BY SUB-CONTRACTOR.
I - DENOTES INTERCOM
- PUBLIC ADDRESS SPEAKER
SUPPLY AND INSTALL 1x RJ45 OUTLET FOR EACH SPEAKER.
SS - DENOTES STAINLESS STEEL FOR OUTDOOR AREAS PROTECTED FROM RAIN.
- PUBLIC ADDRESS MASTER CALL STATION/INTERCOM
SUPPLY AND INSTALL 1x RJ45 OUTLET FOR EACH CALL STATION/INTERCOM.
- COMMUNICATIONS VERTICAL RISING CABLE TRAY.
- AUDIO VISUAL PANEL.
- HDMI
- 3.5mm STEREO AUDIO
- HDMI WALL PLATE.
HDMI CABLE RETICULATES TO BRUSHED WALL PLATE LOCATED WITH LCD SCREEN POWER AND DATA OUTLETS
- USB-A AND USB-C PORTS WITHIN IP56 ENCLOSURE. CLIPSAL 56/32-GY.

SCHEMATICS

- COMBINED FUSE SWITCH.
- ON LOAD ISOLATOR.
- CONTROL SWITCH.
- MINIATURE CIRCUIT BREAKER (MCB).
- MOULDED CASE CIRCUIT BREAKER (MCCB).
- CIRCUIT BREAKER WITH RCD PROTECTION (30mA RATING).
- SINGLE PHASE BUSBAR OR CABLE.
- 3 PHASE BUSBAR OR CABLE.
- CURRENT TRANSFORMER.
- FAULT CURRENT LIMITER.
- CONTACTOR COIL.
- CONTACTS.
N/O - NORMALLY OPEN.
N/C - NORMALLY CLOSED.
- SUB-MAIN CABLE REFERENCE, eg. No. 6.
- SURGE DIVERTER.
- PRIVATE ELECTRICAL METER, C/W CONNECTION TO ENERGY METERING SYSTEM.

SECURITY LEGEND

- ACCESS CONTROLLED DOOR COMPLETE WITH:
- SALTO CARD READER
- REED SWITCH
- LOCAL SONALERT
- REED SWITCH.
- SECURITY FIELD PANEL
- REMOTE ARMING STATION KEYPAD.
- STANDARD MOVEMENT DETECTOR.
- FIXED DURESS BUTTON.
- SECURITY BLUE STROBE AND ALARM.

SITE SERVICES

- CONDUIT ROUTE
HD - HEAVY DUTY
1E25 DENOTES CONDUIT SIZE
E - DENOTES ELECTRICAL
DENOTES CONDUIT QUANTITY
- CONDUIT ROUTE ROUTE
HD - HEAVY DUTY
1C25 DENOTES CONDUIT SIZE
C - DENOTES COMMUNICATIONS
DENOTES CONDUIT QUANTITY
- EXISTING ELECTRICAL CONDUIT ROUTE
HD - HEAVY DUTY
1E25 DENOTES CONDUIT SIZE
E - DENOTES ELECTRICAL
DENOTES CONDUIT QUANTITY
- EXISTING COMMUNICATIONS CONDUIT ROUTE
HD - HEAVY DUTY
1C25 DENOTES CONDUIT SIZE
C - DENOTES COMMUNICATIONS
DENOTES CONDUIT QUANTITY
- ELECTRICAL CABLE PIT.
BURDENS OR ACO
E1 - 600x600 ELECTRICAL POLYMER CONCRETE, CLASS B INFIL LID TO MATCH SURROUND SURFACE.
E2 - 300x300 ELECTRICAL POLYMER CONCRETE, CLASS B INFIL LID TO MATCH SURROUND SURFACE.
E3 - 600x600 ELECTRICAL POLYMER CONCRETE, CLASS D INFIL LID TO MATCH SURROUND SURFACE.
- COMMUNICATIONS CABLE PIT.
BURDENS OR ACO
C1 - 450x450 ELECTRICAL POLYMER CONCRETE, CLASS B INFIL LID TO MATCH SURROUND SURFACE.

LINE TYPES

- NEW ITEM.
- EXISTING ITEM TO REMAIN.
- EXISTING ITEM TO BE DEMOLISHED.
- EXISTING EQUIPMENT TO REMAIN AND BE MADE GOOD AS NECESSARY
- EXISTING EQUIPMENT TO BE DEMOLISHED OR REUSED ELSEWHERE AS REQUIRED
- EXISTING EQUIPMENT TO BE RELOCATED AS SHOWN
- EXISTING EQUIPMENT RELOCATED FROM ELSEWHERE
- FUTURE EQUIPMENT SHOWN FOR INFORMATION ONLY

ABBREVIATIONS

- AB ABOVE BENCH.
- AV RESERVED FOR AUDIO/VISUAL DEVICES.
- BWU BOILING/CHILLED WATER UNIT.
- CL CLEANERS OUTLET.
- COF COFFEE MACHINE.
- CP CAPTIVE TYPE OUTLET C/W SUITABLE RATED PLUGTOP FITTED TO PRINCIPALS NOMINATED EQUIPMENT LEAD. CHAIN SUSPENDED.
- CS CHAIN SUSPENDED.
- CT COOK TOP.
- DEL EXISTING ITEM TO BE DEMOLISHED.
- DW DISHWASHER.
- E DENOTES EXISTING ITEM TO REMAIN.
- EF EXHAUST FAN.
- EH ELECTRIC HEATER.
- ESS CONNECTED TO ESSENTIAL SUPPLY.
- F REFRIGERATOR.
- FCU FAN COIL UNIT.
- FR FREEZER.
- HA HEARING AUGMENTATION DEVICE.
- HD HAND DRYER.
- HL HIGH LEVEL.
- HWU HOT WATER UNIT.
- IC MOUNTED IN CEILING.
- J MOUNTED IN JOINERY.
- MB MOTORISED BLINDS.
- MW MICROWAVE.
- OC MOUNTED ON CEILING.
- OV OVEN.
- PR PRINTER.
- PROJ PROJECTOR.
- R DENOTES RELOCATED ITEM.
- SEC 24 HOUR SECURITY CIRCUIT.
- SK MOUNTED AT SKIRTING LEVEL.
- SM SEWING MACHINE.
- SP SPEAKER.
- SSM STUDENT SIGNING MACHINE.
- UB UNDER BENCH.
- UPS CONNECTED TO UPS SUPPLY.
- UR URINAL SENSOR.
- VM VENDING MACHINE.
- WAP WIRELESS ACCESS POINT.
- WMDR WASHING MACHINE/DRYER
- WP WEATHERPROOF.

GENERAL NOTES:

1. FOR FINAL LOCATION OF ALL OUTLETS, LUMINAIRES & OTHER EQUIPMENT REFER TO ARCHITECTURAL DRAWINGS.
2. ALL LIGHT SWITCHES SHALL BE MOUNTED AT 1000 A.F.F.L. UNLESS OTHERWISE SPECIFIED.
3. ALL SSO's SHALL BE MOUNTED 300 A.F.F.L. UNLESS OTHERWISE SPECIFIED.
4. CO-ORDINATE LOCATION & SIZE OF OUTLETS WITH FINAL EQUIPMENT & JOINERY INSTALLED ON SITE.
5. ALL LUMINAIRES TO BE PROVIDED WITH 4000K LAMPS UNLESS OTHERWISE SPECIFIED.
6. PROVIDE A 300mm (MINIMUM) SEPARATION BETWEEN POWER & COMMUNICATIONS/DATA CABLING.
7. PROVIDE CABLE TRAYS FOR ALL POWER, CONTROL & COMMUNICATIONS CABLES RISING HORIZONTALLY & VERTICALLY THROUGHOUT THE BUILDING.
8. ALL WIRING SHALL BE IN 2.5mm² PVC/PVC CABLE MINIMUM. A 4.0mm² PVC/PVC CABLE (MINIMUM) SHALL BE USED IN ALL WALLS WITH THERMAL & ACOUSTIC INSULATION, THE LIKES OF BUT NOT LIMITED TO:
- TOILETS
- MEETING ROOMS
FOR WALL DETAILS REFER TO ARCHITECTURAL DRAWINGS.
9. ALL WIRING SHALL BE CONCEALED UNLESS OTHERWISE SPECIFIED.
10. ALL OUTLETS & SWITCHES MOUNTED ON ACOUSTIC WALLS SHALL HAVE ACOUSTIC TREATMENT TO MAINTAIN THE ACOUSTIC PERFORMANCE OF THE WALL.
11. ALL OUTLETS & SWITCHES MOUNTED ON FIRE WALLS SHALL BE INSTALLED IN A FIRE RATED BOX.
12. VOLTAGE AS 230V / 400V UNLESS NOTED OTHERWISE.
13. CIRCUITING:
- 12 SSO - MAXIMUM PER SUB-CIRCUIT.
- 20 LIGHTING POINTS - MAXIMUM PER SUB-CIRCUIT.
14. DDA NOTES:
- SWITCHES AND SSOs TO BE HORIZONTALLY ALIGNED WITH DOOR HANDLES AND OTHER CONTROLS.
- LOCATED NOT LESS THAN 900MM AND NOT MORE THAN 1100MM AFFL.
- LOCATED NOT LESS THAN 500mm FROM INTERNAL CORNERS.
- CONTROLS THAT NEED TO BE TOUCHED TO BE LOCATED NOT LESS THAN 900mm AND NOT MORE THAN 1250mm AFFL.
- CONTROLS THAT NEED TO BE PUSHED TO BE LOCATED NOT LESS THAN 900mm AND NOT MORE THAN 1250mm AFFL.

B	INFORMATION	30/11/2023
REV:	DESCRIPTION:	DATE:

ELECTRICAL DESIGN GROUP

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TRADING AS:
ELECTRICAL DESIGN GROUP

PROJECT:

LOURDES HILL COLLEGE STAGE 1

SITE ADDRESS:
86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND

SCALE: NOT TO SCALE AT A1

DRAWING TITLE:

ELECTRICAL SERVICES LEGEND & NOTES

PROJECT NO. DRAWING NO. REVISION:

C3134a E01 B