



ELECTRICAL DESIGN GROUP

ELECTRICAL BUILDING SERVICES CONSULTANTS

P.O. Box 15, SHERWOOD Q. 4075

Phone: (07) 3278 4375

Website: www.edg.net.au Email: brisbane@edg.net.au

C3134a - LOURDES HILL COLLEGE - STAGE 1

C3134a-0001(C).xls

ELECTRICAL SERVICES CONTRACT DOCUMENT SCHEDULE

REVISION C - 11 DECEMBER 2023

ISSUING INFORMATION				DATE OF ISSUE							
	DAY	20	30	11							
	MONTH	10	11	12							
	YEAR	23	23	23							
	REASON FOR ISSUE	A	P	P							
A = APPROVAL C = CONSTRUCTION N = COORDINATION P = PRELIMINARY T = TENDER											

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DOCUMENTS		REVISION									
C3134a-E01.dwg	LEGEND & NOTES	A	B								
C3134a-E02.dwg	LUMINAIRE SCHEDULE	A	B	C							
C3134a-E03.dwg	SCHEMATICS SHEET 1	A	B								
C3134a-E04.dwg	SCHEMATICS SHEET 2	A	B								
C3134a-E05.dwg	COMMUNICATIONS & SECURITY SCHEMATICS	A	B								
C3134a-E06.dwg	SITE PLAN	A	B								
C3134a-E07.dwg	STAGE 1A LOWER GROUND REFLECTED CEILING PLAN	A	B	C							
C3134a-E08.dwg	STAGE 1A GROUND LEVEL REFLECTED CEILING PLAN	A	B	C							
C3134a-E09.dwg	STAGE 1A LEVEL 1 REFLECTED CEILING PLAN	A	B	C							
C3134a-E10.dwg	STAGE 1A LEVEL 2 REFLECTED CEILING PLAN	A	B	C							
C3134a-E11.dwg	STAGE 1A LEVEL 3 REFLECTED CEILING PLAN	A	B	C							
C3134a-E12.dwg	STAGE 1A ROOF LEVEL REFLECTED CEILING PLAN	A	B								
C3134a-E13.dwg	STAGE 1A LOWER GROUND FLOOR PLAN	A	B								
C3134a-E14.dwg	STAGE 1A GROUND LEVEL FLOOR PLAN	A	B	C							
C3134a-E15.dwg	STAGE 1A LEVEL 1 FLOOR PLAN	A	B	C							
C3134a-E16.dwg	STAGE 1A LEVEL 2 FLOOR PLAN	A	B	C							
C3134a-E17.dwg	STAGE 1A LEVEL 3 FLOOR PLAN	A	B	C							
C3134a-E18.dwg	STAGE 1A ROOF LEVEL FLOOR PLAN	A	B								
C3134a-E19.dwg	STAGE 1B LOWER GROUND REFLECTED CEILING PLAN	A	B	C							
C3134a-E20.dwg	STAGE 1B GROUND LEVEL REFLECTED CEILING PLAN	A	B	C							
C3134a-E21.dwg	STAGE 1B LOWER GROUND FLOOR PLAN	A	B	C							
C3134a-E22.dwg	STAGE 1B GROUND LEVEL FLOOR PLAN	A	B	C							
C3134a-E23.dwg	STAGE 1C CARPARK PLAN	A	B	C							
C3134a-0001.xls	CONTRACT DOCUMENT SCHEDULE	A	B	C							
C3134a-0004.xls	DISTRIBUTION BOARD DB-GG SCHEDULE		A								
C3134a-0005.xls	DISTRIBUTION BOARD DB-G1 SCHEDULE		A	B							
C3134a-0006.xls	DISTRIBUTION BOARD DB-G2 SCHEDULE		A	B							
C3134a-0007.xls	DISTRIBUTION BOARD DB-G3 SCHEDULE		A								
C3134a-0008.xls	DISTRIBUTION BOARD DB-GLG SCHEDULE		A	B							
C3134a-0009.xls	DISTRIBUTION BOARD DB-GSC SCHEDULE		A	B							

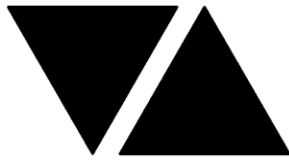
C3134a - LOURDES HILL COLLEGE - STAGE 1

C3134a-0004(A).xls

DISTRIBUTION BOARD DB-GG

REVISION A - 30 NOVEMBER 2023

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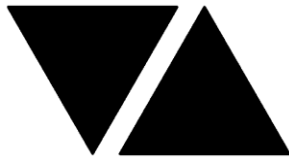
C3134a - LOURDES HILL COLLEGE - STAGE 1

C3134a-0005(B).xls

DISTRIBUTION BOARD DB-G1

REVISION B - 11 DECEMBER 2023

POWER CHASSIS SIZE: 48 POLES LIGHTING CHASSIS SIZE: 24 POLES							REV
							A
							A
							A
REFER TO THE DRAWING C3134a-E03.DWG SCHEMATIC FOR THE DISTRIBUTION BOARD CONFIGURATION AND ADDITIONAL DETAILS							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	CORRIDOR	GPOs	A
P2	1	20	RCBO	2.5	GLA	GPOs	A
P3	1	20	RCBO	2.5	GLA	GPOs	A
P4	1	20	RCBO	2.5	GLA	GPOs	A
P5	1	20	RCBO	2.5	AMENITY	HD	A
P6	1	20	RCBO	2.5	CIRCULATION	DRINKING FOUNTAIN	A
P7	1	20	RCBO	2.5	STAFF	GPOs	A
P8	1	20	RCBO	2.5	STAFF	GPOs	A
P9	1	20	RCBO	2.5	STAFF	GPOs	A
P10	1	20	RCBO	2.5	STAFF	GPOs	A
P11	1	20	RCBO	2.5	STAFF	GPOs	A
P12	1	20	RCBO	2.5			
L1	1	20	RCBO	2.5	PLANT	LIGHTING	A
L2	1	20	RCBO	2.5	GLA	LIGHTING	A
L3	1	20	RCBO	2.5	GLA	LIGHTING	A
L4	1	20	RCBO	2.5	GLA	LIGHTING	A
L5	1	20	RCBO	2.5	AMENITY	LIGHTING	A
L6	1	20	RCBO	2.5	CIRCULATION	LIGHTING	A
L7	1	20	RCBO	2.5	GLA	FANS	B
L8	1	20	RCBO	2.5	GLA	FANS	B
L9	1	20	RCBO	2.5	GLA	FANS	B



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C3134a - LOURDES HILL COLLEGE - STAGE 1

C3134a-0006(B).xls

DISTRIBUTION BOARD DB-G2

REVISION B - 11 DECEMBER 2023

POWER CHASSIS SIZE: 48 POLES LIGHTING CHASSIS SIZE: 24 POLES							REV
							A
							A
							A
REFER TO THE DRAWING C3134a-E03.DWG SCHEMATIC FOR THE DISTRIBUTION BOARD CONFIGURATION AND ADDITIONAL DETAILS							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	CORRIDOR	GPOs	A
P2	1	20	RCBO	2.5	GLA	GPOs	A
P3	1	20	RCBO	2.5	GLA	GPOs	A
P4	1	20	RCBO	2.5	GLA	GPOs	A
P5	1	20	RCBO	2.5	AMENITY	HD	A
P6	1	20	RCBO	2.5	CIRCULATION	DRINKING FOUNTAIN	A
P7	1	20	RCBO	2.5	STAFF	GPOs	A
P8	1	20	RCBO	2.5	STAFF	GPOs	A
P9	1	20	RCBO	2.5	STAFF	GPOs	A
P10	1	20	RCBO	2.5	STAFF	GPOs	A
P11	1	20	RCBO	2.5	STAFF	GPOs	A
L1	1	20	RCBO	2.5	PLANT	LIGHTING	A
L2	1	20	RCBO	2.5	GLA	LIGHTING	A
L3	1	20	RCBO	2.5	GLA	LIGHTING	A
L4	1	20	RCBO	2.5	GLA	LIGHTING	A
L5	1	20	RCBO	2.5	AMENITY	LIGHTING	A
L6	1	20	RCBO	2.5	CIRCULATION	LIGHTING	A
L7	1	20	RCBO	2.5	GLA	FANS	B
L8	1	20	RCBO	2.5	GLA	FANS	B
L9	1	20	RCBO	2.5	GLA	FANS	B

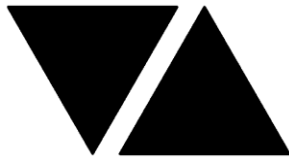
C3134a - LOURDES HILL COLLEGE - STAGE 1

C3134a-0007(A).xls

DISTRIBUTION DB-G3

REVISION A - 30 NOVEMBER 2023

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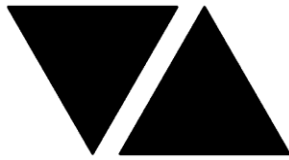
C3134a - LOURDES HILL COLLEGE - STAGE 1

C3134a-0008(B).xls

DISTRIBUTION BOARD DB-GLG

REVISION B - 11 DECEMBER 2023

POWER CHASSIS SIZE: 48 POLES LIGHTING CHASSIS SIZE: 36 POLES							REV
							A
							A
							A
REFER TO THE DRAWING C3134A-E03.DWG SCHEMATIC FOR THE DISTRIBUTION BOARD CONFIGURATION AND ADDITIONAL DETAILS							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5		DRINK FOUNTAIN	A
P2	1	20	RCBO	2.5		GPOs	A
P3	1	20	RCBO	2.5		GPOs	A
P4	1	20	RCBO	2.5		DRINK FOUNTAIN	A
P5	1	20	RCBO	2.5	AMENITY	HD	A
P6	1	20	RCBO	2.5	STORE	GPOs	A
P7	3	20	RCBO	2.5		HWS	B
P8	1	20	RCBO	2.5	POND	LIGHTING	A
L1	1	20	RCBO	2.5	EXTERNAL	UMBERELLAS	A
L2	1	20	RCBO	2.5	CIRCULATION	LIGHTING	A
L3	1	20	RCBO PE SEC	2.5	CIRCULATION	LIGHTING	B
L4	1	20	RCBO	2.5	PLANT	LIGHTING	A
L5	1	20	RCBO PE SEC	2.5	CIRCULATION	LIGHTING	B
L6	1	20	RCBO PE SEC	2.5	CIRCULATION	LIGHTING	B
L7	1	20	RCBO PE SEC	2.5	CIRCULATION	LIGHTING	B
L8	1	20	RCBO PE SEC	2.5	CIRCULATION	LIGHTING	B
L9	1	20	RCBO	2.5	STAIR	LIGHTING	A
L10	1	20	RCBO PE SEC	2.5	CIRCULATION	LIGHTING	B
L11	1	20	RCBO	2.5	EXTERNAL	HIGH BAYS	A
L12	1	20	RCBO	2.5	EXTERNAL	FUTURE STAGE	A
L13	1	20	RCBO	2.5	EXTERNAL	FUTURE STAGE	A
L14	1	20	RCBO	2.5	EXTERNAL	FUTURE STAGE	A
L15	1	20	RCBO PE SEC	2.5	CIRCULATION	LIGHTING	B



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DISTRIBUTION BOARD DB-GSC

REVISION B - 11 DECEMBER 2023

POWER CHASSIS SIZE: 84 POLES LIGHTING CHASSIS SIZE: 60 POLES							REV
							A
							A
							B
REFER TO THE DRAWING C3134A-E03.DWG SCHEMATIC FOR THE DISTRIBUTION BOARD CONFIGURATION AND ADDITIONAL DETAILS							A
CIRC	PH	CIRCUIT BREAKER (amps)	CONTROL EQUIPMENT	CABLE SIZE (mm ²)	LOCATION	CIRCUIT USE	
P1	1	20	RCBO	2.5	UNIFORM	GPOs	A
P2	1	20	RCBO	2.5	UNIFORM	SEWING	A
P3	1	20	RCBO	2.5	AMENITY	HD	A
P4	3	20	RCBO	2.5		HWS	A
P5	1	20	RCBO	2.5	STORE	GPOs	A
P6	1	20	RCBO	2.5		WM / DR	A
P7	1	20	RCBO	2.5		REF	A
P8	1	20	RCBO	2.5	SICK ROOM 2	GPOs	A
P9	3	20	RCBO	2.5		HWS	A
P10	1	20	RCBO	2.5	AMENITY	HD	A
P11	1	20	RCBO	2.5	SICK ROOM	GPOs	A
P12	1	20	RCBO	2.5	LUNCH ROOM	GPOs	A
P13	1	20	RCBO	2.5	LUNCH ROOM	REF	A
P14	1	20	RCBO	2.5	LUNCH ROOM	BWU	A
P15	1	20	RCBO	2.5	OFFICES	GPOs	A
P16	1	20	RCBO	2.5	OFFICES	GPOs	A
P17	1	20	RCBO	2.5	MEETING	GPOs	A
P18	1	20	RCBO	2.5		PRINTER	A
P19	1	20	RCBO	2.5		DW / MW	A
P20	1	20	RCBO	2.5	CIRCULATION	GPOs	A
P21	1	20	RCBO	2.5	AMENITY	HD	A
P22	1	20	RCBO	2.5	RECEPTION	GPOs	A
P23	1	20	RCBO	2.5		DRINKING FOUNTAIN	A
P24	1	20	RCBO	2.5	RECEPTION	DISPLAY	A
P25	1	20	RCBO	2.5	LUNCH ROOM	GPOs	A
P26	1	20	RCBO	2.5		BWU	A
P27	1	20	RCBO	2.5		REF	A
P28	1	20	RCBO	2.5		MW / DW	A
P29	1	20	RCBO	2.5	OFFICES	GPOs	A
P30	1	20	RCBO	2.5	COMMS ROOM	GPOs	B
P31	1	20	RCBO	2.5	COMMS ROOM	GPOs	B
P32	1	20	RCBO	2.5	COMMS ROOM	GPOs	B
P33	1	20	RCBO	2.5	COMMS ROOM	GPOs	B
P34	1	20	RCBO	2.5	COMMS ROOM	RACK	B
P35	1	20	RCBO	2.5	COMMS ROOM	RACK	B

C3134a - LOURDES HILL COLLEGE - STAGE 1


C3134a-0009(B).xls


DISTRIBUTION BOARD DB-GSC


REVISION B - 11 DECEMBER 2023


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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 CEILIGN 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.

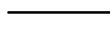
 THREE PHASE DIRECT WIRED CONNECTION, RATING AS SHOWN.


 DB - DISTRIBUTION BOARD.


 MSB - MAIN SWITCHBOARD.

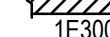
 MSSB - MECHANICAL SERVICES SWITCH BOARD.


 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 EOD FB2SR OR APPROVED EQUAL


 CABLE TRAY ROUTE


 DENOTES TRAY SIZE
E - DENOTES ELECTRICAL
DENOTES TRAY QUANTITY


 ELECTRICAL VERTICAL RISING CABLE TRAY.


COMMUNICATIONS


 COMMUNICATIONS EQUIPMENT 1 & PATCH RACK.


 RJ45 COMMS OUTLET.


 x - DENOTES QUANTITY OF OUTLETS
CCTV - DENOTES 1x RJ45 OUTLET FOR CCTV CAMERAS

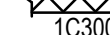
 WAP - DENOTES 2x RJ45 OUTLETS FOR WIRELESS ACCESS POINT, WAP DEVICE AND BRACKET SUPPLIED BY SCHOOL AND INSTALLED BY SUB-CONTRACTOR.


 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.


 CABLE TRAY ROUTE

 DENOTES TRAY SIZE
C - DENOTES COMMUNICATION
DENOTES TRAY QUANTITY


 COMMUNICATIONS VERTICAL RISING CABLE TRAY.


 AUDIO VISUAL PANEL.
- HDMI
- 3.5mm STEREO AUDIO

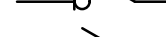
 HDMI WALL PLATE.
HDMI CABLE RETICULATES TO BRUSHED WALL PLATE
LOCATED WITH LCD SCREEN
POWER AND DATA OUTLETS

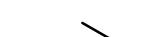
 USB-A AND USB-C PORTS WITHIN IP56 ENCLOSURE. CLIPSAL 56/32-GY.


SCHEMATICS

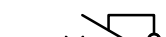
 COMBINED FUSE SWITCH.


 ON LOAD ISOLATOR.

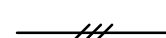
 CONTROL SWITCH.


 MINIATURE CIRCUIT BREAKER (MCB).

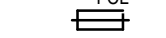
 MOULDED CASE CIRCUIT BREAKER (MCCB).

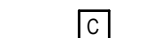
 CIRCUIT BREAKER WITH RCD PROTECTION (30mA RATING).

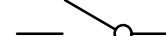
 SINGLE PHASE BUSBAR OR CABLE.


 3 PHASE BUSBAR OR CABLE.

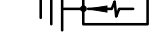
 CURRENT TRANSFORMER.

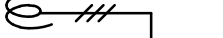
 FAULT CURRENT LIMITER.

 CONTACTOR COIL.


 CONTACTS.
N/O - NORMALLY OPEN.
N/C - NORMALLY CLOSED.


 SUB-MAIN CABLE REFERENCE. eg. No. 6.

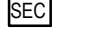
 SURGE DIVERTER.

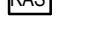
 PRIVATE ELECTRICAL METER.
C/W CONNECTION TO ENERGY METERING SYSTEM.

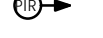
SECURITY LEGEND


 ACCESS CONTROLLED DOOR
COMPLETE WITH:
- SALTO CARD READER
- REED SWITCH
- LOCAL SONALERT


 REED SWITCH.

 SECURITY FIELD PANEL


 REMOTE ARMING STATION KEYPAD.

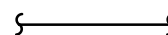
 STANDARD MOVEMENT DETECTOR.


 FIXED DURESS BUTTON.

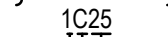
 SECURITY BLUE STROBE AND ALARM.

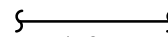
SITE SERVICES


 CONDUIT ROUTE
HD - HEAVY DUTY

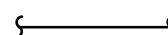
 DENOTES CONDUIT SIZE
E - DENOTES ELECTRICAL
DENOTES CONDUIT QUANTITY


 CONDUIT ROUTE ROUTE
HD - HEAVY DUTY

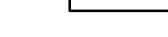
 DENOTES CONDUIT SIZE
E - DENOTES ELECTRICAL
DENOTES CONDUIT QUANTITY


 EXISTING ELECTRICAL CONDUIT ROUTE
HD - HEAVY DUTY

 DENOTES CONDUIT SIZE
E - DENOTES ELECTRICAL
DENOTES CONDUIT QUANTITY

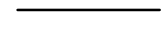
 EXISTING COMMUNICATIONS CONDUIT ROUTE
HD - HEAVY DUTY

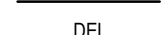
 DENOTES CONDUIT SIZE
C - DENOTES COMMUNICATIONS
DENOTES CONDUIT QUANTITY


 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.

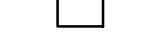
 COMMUNICATIONS CABLE PIT.
BURDENS OR ACO
C1 - 450x450 ELECTRICAL POLYMER CONCRETE, CLASS B INFIL LID TO MATCH SURROUND SURFACE.


LINE TYPES


 NEW ITEM.


 EXISTING ITEM TO REMAIN.

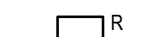
 EXISTING ITEM TO BE DEMOLISHED.

 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

RESERVED FOR AUDIO/VISUAL DEVICES.

AV

BOILING/CHILLED WATER UNIT.

BWU

CLEANERS OUTLET.

COF

COFFEE MACHINE.

CP

CAPTIVE TYPE OUTLET C/W SUITABLE RATED PLUGTOP
FITTED TO PRINCIPALS NOMINATED EQUIPMENT LEAD.

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 CELING.

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.

WMOR

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.

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USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.

ALL DIMENSIONS TO BE VERIFIED ONSITE.

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

 **ELECTRICAL DESIGN GROUP**
ELECTRICAL BUILDING SERVICES CONSULTANTS

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Web: www.edg.net.au

ELECTRICAL DESIGN GROUP BRISBANE PTY LTD
ACN 092 710 793

TRADING AS:
ELECTRICAL DESIGN GROUP

PROJECT:

LOURDES HILL COLLEGE
STAGE 1

SITE ADDRESS:
86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND

SCALE: SHEET SIZE:











































NOT TO SCALE AT A1

DRAWING TITLE:

**ELECTRICAL SERVICES
LEGEND & NOTES**

PROJECT NO: DRAWING NO: REVISION:

C3134a E01 B

LUMINAIRE SCHEDULE									
LUMINAIRE TYPE	SYMBOL	TYPE	COLOUR TEMP	CONTROL GEAR	DESCRIPTION	TRIM COLOUR FINISH	MOUNTING	DISTRIBUTION / SUPPLIER	PRODUCT
B1		LED	4000K	ELECTRONIC	IP65, IK10, BOLLARD, INTEGRAL CONTROL GEAR, 360 DEGREE OPTIC, 186mm DIAMETER, 1000mm HIGH	BLACK	GROUND	HANECO	G12W120*650R3K52DC-BK
D1		LED	4000K	ELECTRONIC	RECESSED DOWNLIGHT C/W REMOTE DRIVER	WHITE	RECESSED	SAL	XGL111340
D2		LED	4000K	DALI DIMMABLE	RECESSED DOWNLIGHT C/W REMOTE DRIVER	WHITE	RECESSED	SAL	XGL111340D
D3		LED	4000K	ELECTRONIC	RECESSED DOWNLIGHT C/W REMOTE DRIVER	WHITE	RECESSED	SAL	XGL111340
D4		LED	4000K	DALI DIMMABLE	RECESSED DOWNLIGHT C/W REMOTE DRIVER	WHITE	RECESSED	SAL	XGL111340D
D5		LED	4000K	ELECTRONIC	SURFACE CAN DOWNLIGHT	BLACK	SURFACE	SAL	XNS1040NWH36
D6		LED	4000K	ELECTRONIC	SURFACE CAN DOWNLIGHT	BLACK	SURFACE	SAL	XNS1040NWH36
D7		LED	4000K	ELECTRONIC	RECESSED DOWNLIGHT C/W REMOTE DRIVER	WHITE	RECESSED	SAL	XGL111340
D8		LED	4000K	ELECTRONIC	RECESSED DOWNLIGHT C/W REMOTE DRIVER	WHITE	RECESSED	SAL	XGL091040
D9		LED	4000K	ELECTRONIC	DOWNLIGHT, IP65, 46X56 DEGREE ASSYMETRIC BEAM, 160mm DIA, 140mm HIGH	WHITE	RECESSED	SAL	XHM233040N
FL1					FITTING TO BE CONFIRMED			TBA	TBA
FL2		LED	4000K	ELECTRONIC	500MM 25W CIRCA PENDANT	BLACK	SUSPENDED	HAVIT	HCP-642123
FL3		LED	4000K	ELECTRONIC	800MM 40W CIRCA PENDANT	BLACK	SUSPENDED	HAVIT	HCP-642133
FL4									
L2		LED	4000K	ELECTRONIC	1500LMM CONTINUOUS LINEAR EXTRUSION WITH DIFFUSER	BLACK	WIRE SUSPENDED	SAL	AXS46S
L3		LED	4000K	ELECTRONIC	820LM 9.6W IP20 LED STRIP 4000K	WHITE	RECESSED	HAVIT	HV9723-IP20-120-4K
L4		LED	4000K	ELECTRONIC	820LM 9.6W IP20 LED STRIP 4000K	WHITE	JOINERY RECESSED	HAVIT	HV9723-IP20-120-4K
L5		LED	4000K	ELECTRONIC	1365LM 14.4W 24V DC 4000K CSP DOTLESS LED STRIP - PLASTER EXTRUSION	NA	CEILING RECESSED	HAVIT	HV9762-IP20-480-4K
P1		LED	4000K	ELECTRONIC	AREA LIGHT ON A 6m ROUND POLE	BLACK, LUMINAIRE AND POLE	POLE MOUNTED	SAL	OCS3040NA45
P2		LED	4000K	ELECTRONIC	AREA LIGHT ON A 3m ROUND POLE	BLACK, LUMINAIRE AND POLE	POLE MOUNTED	SAL	OCS3040NA45
R1		LED	4000K	ELECTRONIC	600x600MM FLAT PANEL TROFFER	WHITE	T-BAR RECESSED	SAL	P2C3040N
R2		LED	4000K	DALI DIMMABLE	1200x300MM FLAT PANEL TROFFER	WHITE	T-BAR RECESSED	SAL	P2A2740D
R3		LED	4000K	ELECTRONIC	1200x300MM FLAT PANEL TROFFER	WHITE	T-BAR RECESSED	SAL	P2A2740N
R4		LED	4000K	DALI DIMMABLE	1200x300MM FLAT PANEL TROFFER	WHITE	T-BAR RECESSED	SAL	P2A2740D
R5		LED	4000K	DALI DIMMABLE	600x600MM FLAT PANEL TROFFER	WHITE	T-BAR RECESSED	SAL	P2C3040N
R6		LED	4000K	ELECTRONIC	600x600MM FLAT PANEL TROFFER	WHITE	PLASTERBOARD RECESSED	SAL	P2C3040N
S1		LED	4000K	ELECTRONIC	IP65 1200MM LONG BATTEN	WHITE	SURFACE	SAL	IMW12DPTCN
S2		LED	4000K	ELECTRONIC	IP65 1200MM LONG BATTEN	WHITE	SURFACE	SAL	IMW12DPTCN
S3		LED	4000K	ELECTRONIC	IP65 600MM LONG BATTEN WITH BUILT IN PIR	WHITE	SURFACE	SAL	IMW06DPTCN
S4		LED	4000K	ELECTRONIC	1200x300MM FLAT PANEL TROFFER	WHITE	SURFACE MOUNTED	SAL	P5A3040N
U1		LED	3000K	ELECTRONIC	INGROUND UPLIGHT, IP67	GREY	INGROUND	LOMBARDO	CNC 120 T LL131100A3
W1		LED	3000K	ELECTRONIC	RECESSED BRICKLIGHT, IP66	BLACK	WALL RECESSED	LOMBARDO	FIX 506 LL120019N
W2		LED	4000K	ELECTRONIC	IP65, WALL MOUNTED DOWNLIGHT	SILVER	WALL SURFACE	SAL	XST15D2540N
EMERGENCY LIGHTING SCHEDULE									
LUMINAIRE TYPE	SYMBOL	LIGHT SOURCE	OPERATING MODE	C0	C90	DESCRIPTION	COLOUR FINISH	MOUNTING	DISTRIBUTION/ SUPPLIER
EM1		LED	NON-MAINTAINED	D40	D40	EMERGENCY AREA LIGHT, C/W LITHIUM IRON PHOSPHATE BATTERY PACK AND CHARGER.	WHITE	RECESSED	EKTOR
EM2		LED	NON-MAINTAINED	D40	D40	EMERGENCY AREA LIGHT, C/W LITHIUM IRON PHOSPHATE BATTERY PACK AND CHARGER.	WHITE	SURFACE	EKTOR
EM3		LED	MAINTAINED	D63	D40	EMERGENCY BATTEN LIGHT, C/W LITHIUM IRON PHOSPHATE BATTERY PACK AND CHARGER WITH PIR	WHITE	SURFACE	EKTOR
EM4		LED	NON-MAINTAINED	D50	D50	IP65 SPLASHPROOF EMERGENCY AREA LIGHT, C/W LITHIUM IRON PHOSPHATE BATTERY PACK AND CHARGER.	WHITE	RECESSED	EKTOR
EM5		LED	NON-MAINTAINED	D50	D50	IP65, EMERGENCY AREA LIGHT, C/W LITHIUM IRON PHOSPHATE BATTERY PACK AND CHARGER.	WHITE	SURFACE	EKTOR
EM6		LED	NON-MAINTAINED	D50	D50	IP65, EMERGENCY AREA LIGHT, C/W LITHIUM IRON PHOSPHATE BATTERY PACK AND CHARGER.	BLACK	SURFACE/WALL MOUNT	EKTOR
EX1		LED	MAINTAINED	E6.3	E6.3	ILLUMINATED EMERGENCY EXIT SIGN WITH 24 METRE VIEWING DISTANCE C/W LITHIUM IRON PHOSPHATE BATTERY PACK AND CHARGER. DIRECTIONAL ARROWS AS SHOWN	WHITE	RECESSED	EKTOR
EX2		LED	MAINTAINED	E6.3	E6.3	ILLUMINATED EMERGENCY EXIT SIGN WITH 24 METRE VIEWING DISTANCE C/W LITHIUM IRON PHOSPHATE BATTERY PACK AND CHARGER. DIRECTIONAL ARROWS AS SHOWN	WHITE	SURFACE	EKTOR
EX3		LED	MAINTAINED	D4	E3.2	WEATHER RESISTANT IP66/67 ILLUMINATED EMERGENCY EXIT SIGN WITH 24 METRE VIEWING DISTANCE C/W LITHIUM IRON PHOSPHATE BATTERY PACK AND CHARGER. DIRECTIONAL ARROWS AS SHOWN	WHITE	SURFACE	EKTOR
EX4		LED	MAINTAINED	D4	E3.2	WEATHER RESISTANT IP66/67 ILLUMINATED EMERGENCY EXIT SIGN WITH 24 METRE VIEWING DISTANCE C/W LITHIUM IRON PHOSPHATE BATTERY PACK AND CHARGER. DIRECTIONAL ARROWS AS SHOWN	WHITE	SURFACE, SUB-CONTRACTOR TO PROVIDE CUSTOM WALL MOUNT BRACKET	EKTOR

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USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.

ALL DIMENSIONS TO BE VERIFIED ONSITE.

C	INFORMATION	11/12/2023
REV:	DESCRIPTION:	DATE:

 **ELECTRICAL DESIGN GROUP**
ELECTRICAL BUILDING SERVICES CONSULTANTS

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ELECTRICAL DESIGN GROUP BRISBANE PTY LTD
ACN 092 710 793

TRADING AS:
ELECTRICAL DESIGN GROUP

PROJECT:

**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:

**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

SCALE: SHEET SIZE:

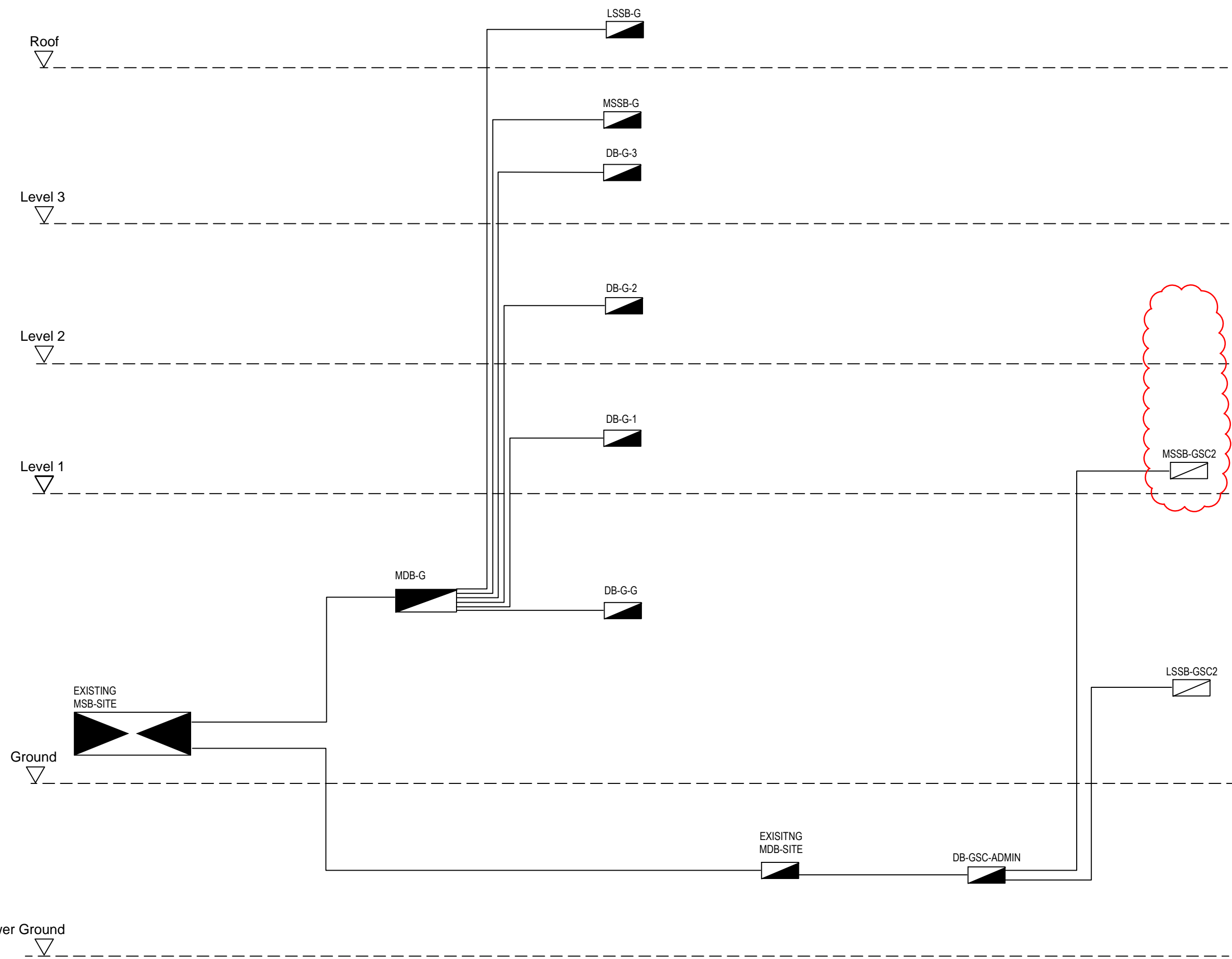
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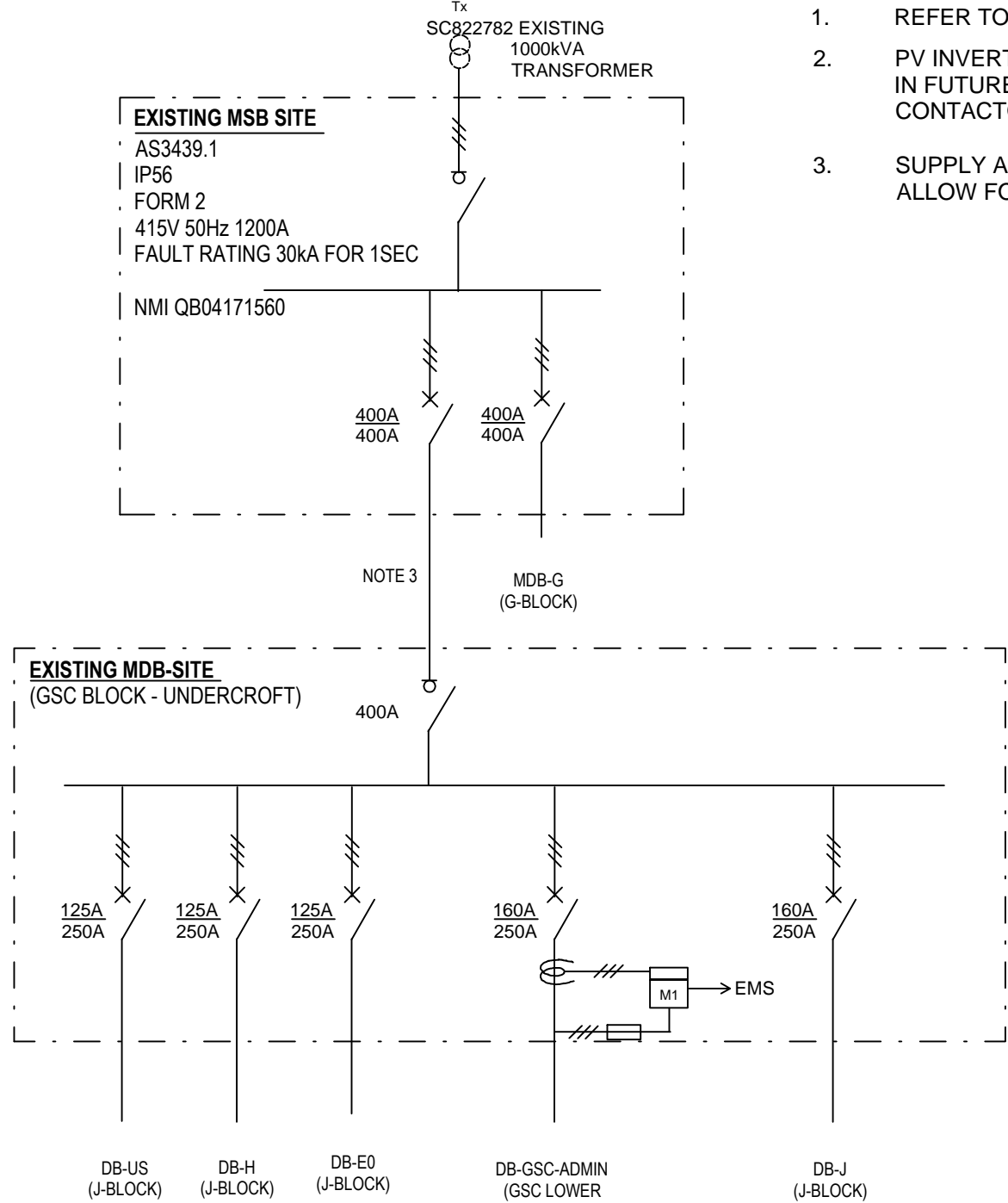
**ELECTRICAL SERVICES
LUMINAIRE SCHEDULE**

PROJECT NO: DRAWING NO: REVISION:

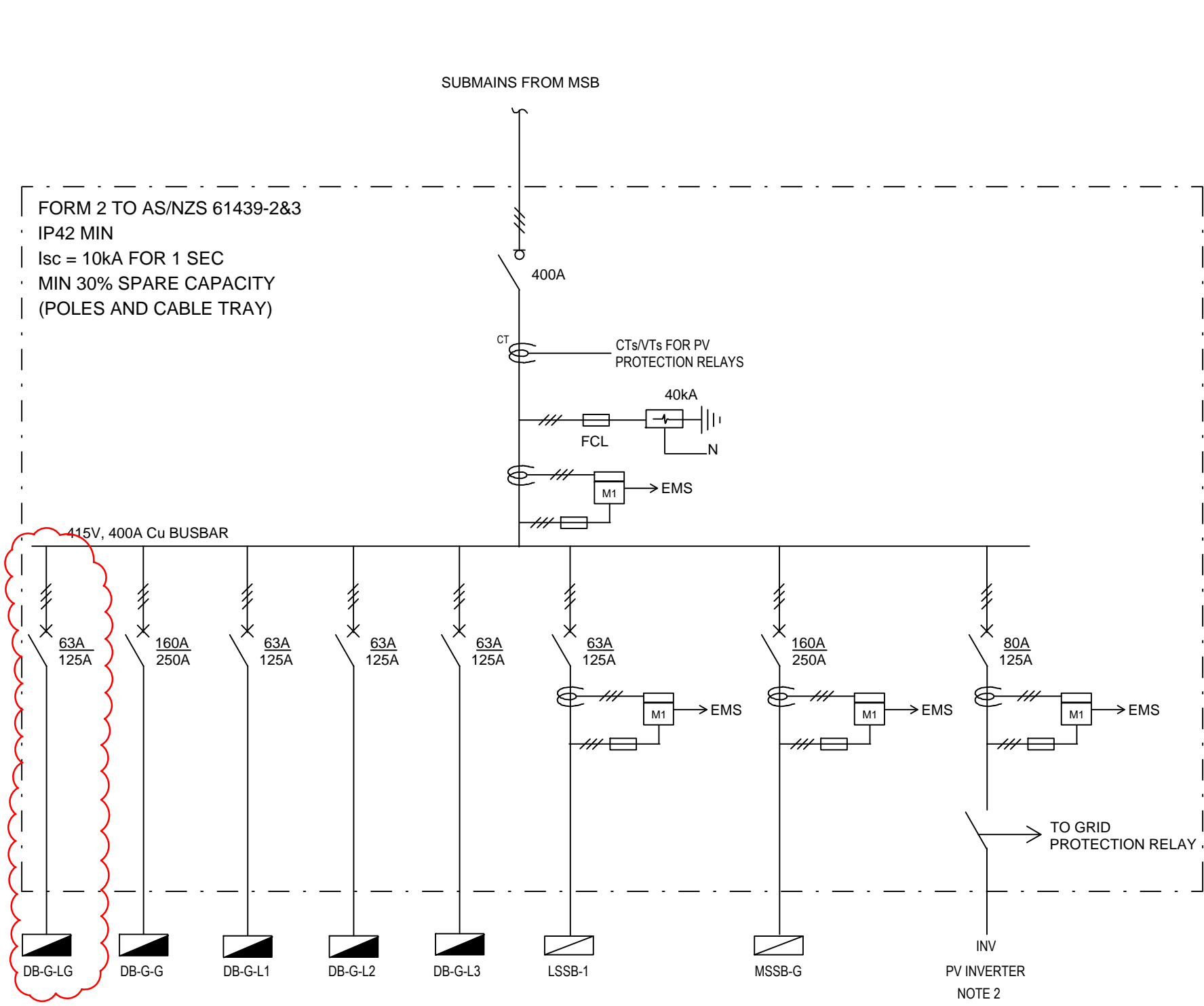
C3134a E02 C



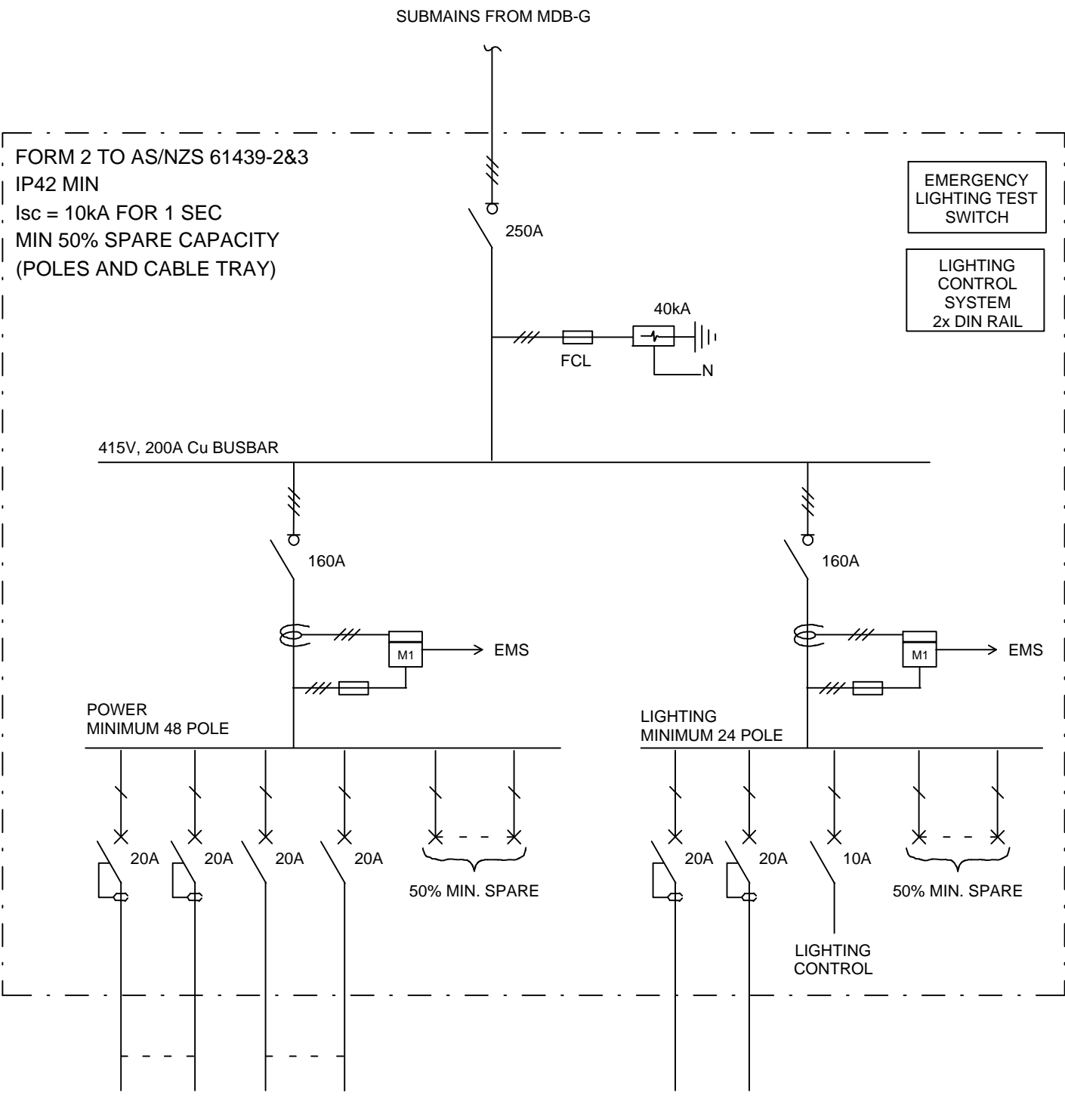
PROPOSED ELECTRICAL BLOCK DIAGRAM



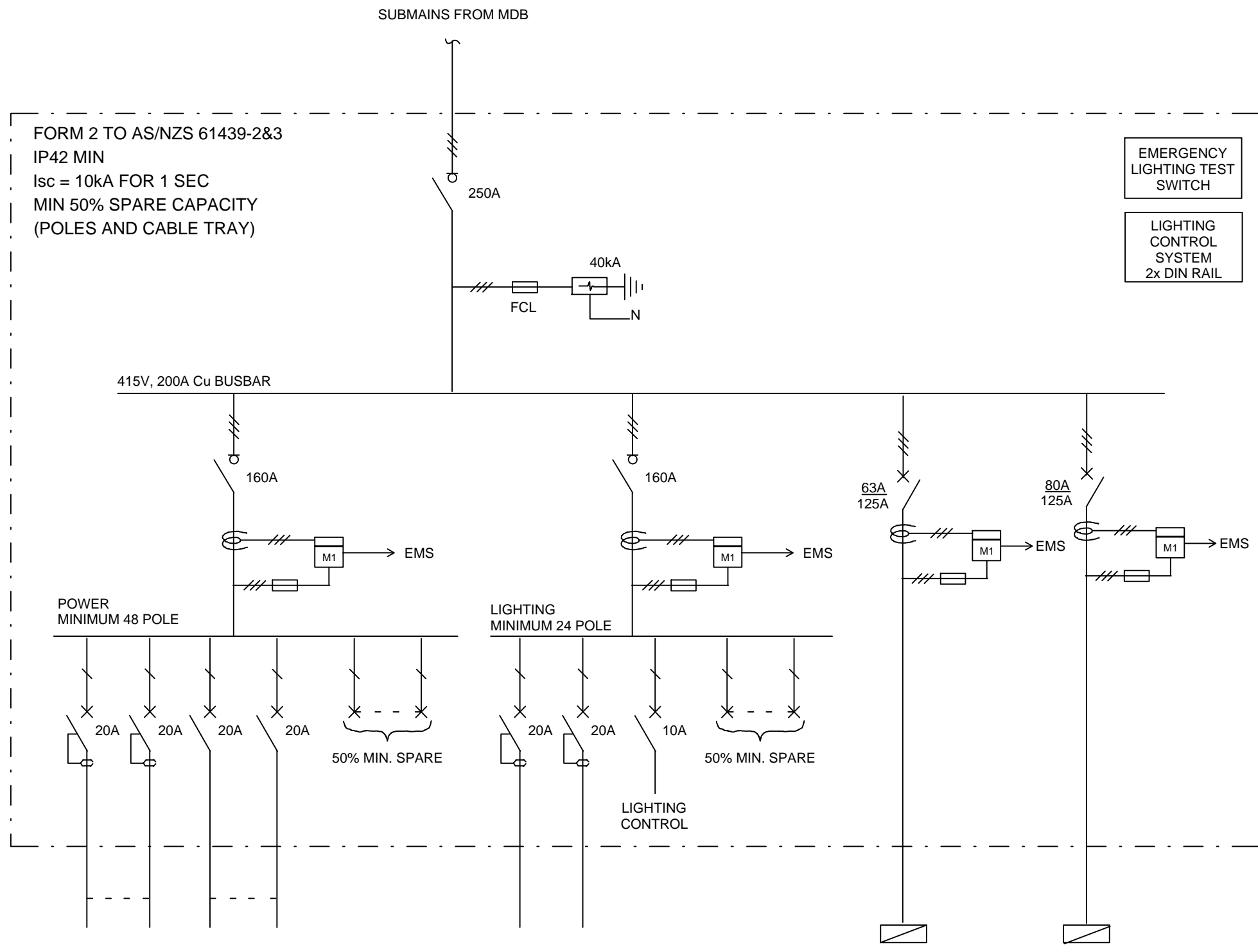
PROPOSED ELECTRICAL SINGLE LINE DIAGRAM



BLOCK G MAIN DISTRIBUTION BOARD
(MDB-G)



TYPICAL DISTRIBUTION BOARD
(DB-G-G, DB-G-1, DB-G-2, DB-G-3 & DB-G-LG)



TYPICAL DISTRIBUTION BOARD
(DB-GSC-ADMIN)

NOTES:

- REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
- PV INVERTER AND SUB-MAIN CABLE TO BE INSTALLED IN FUTURE. SUPPLY AND INSTALL CT's, PROTECTION CONTACTOR MCCB AND METER ONLY.
- SUPPLY AND INSTALL A PARALLEL SUBMAIN CABLE. ALLOW FOR A 4x1C 240mm² + E XLPE/PVC CABLE.

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USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.

ALL DIMENSIONS TO BE VERIFIED ONSITE.

ELECTRICAL DESIGN GROUP
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ELECTRICAL DESIGN GROUP BRISBANE PTY LTD
ACN 092 710 793

**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:
86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND

SCALE: NOT TO SCALE SHEET SIZE: AT A1

**ELECTRICAL SERVICES
SCHEMATICS SHEET 1**

PROJECT NO: DRAWING NO: REVISION:

C3134a E03 B

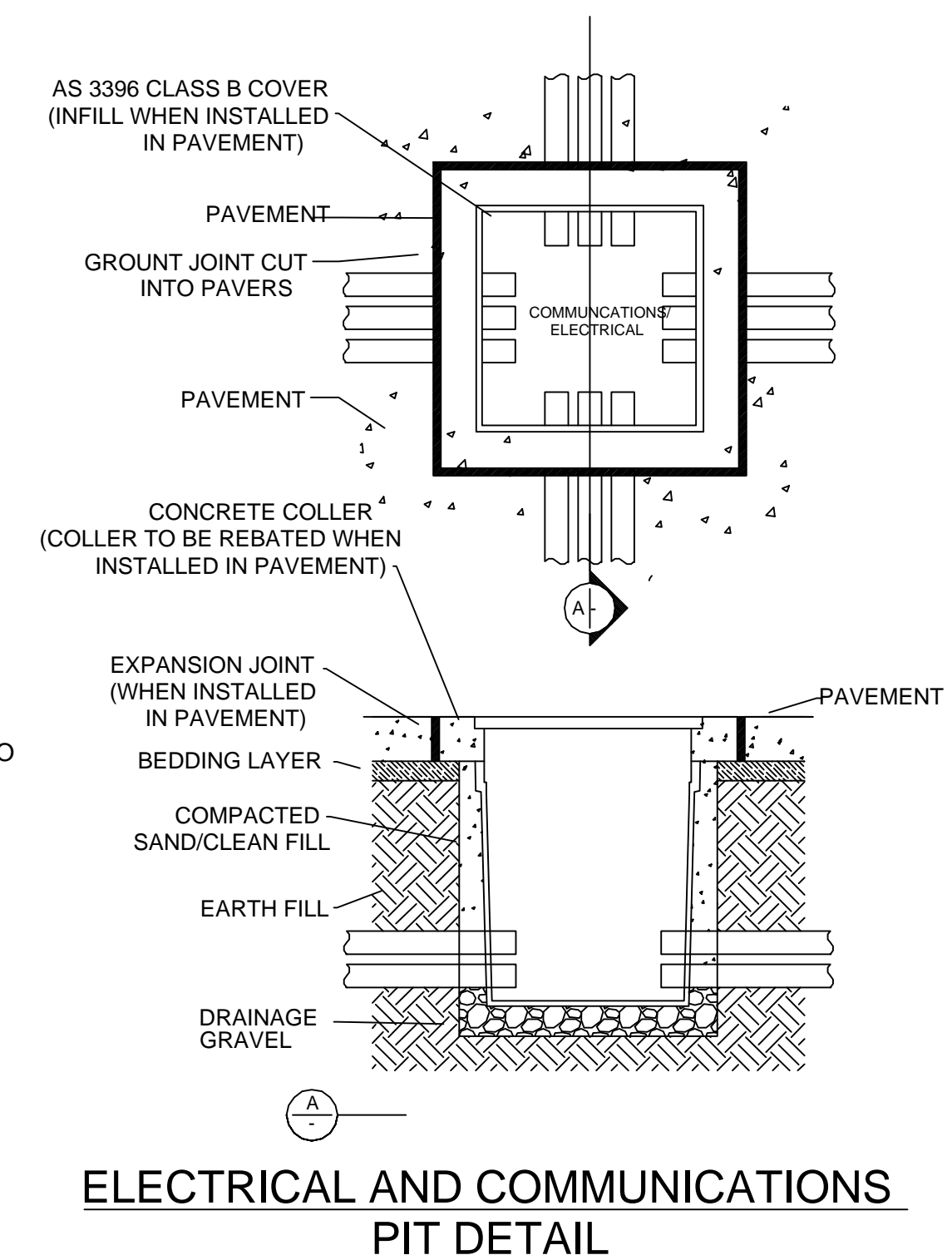


TYPICAL CEILING FAN INSTALLATION DETAIL



DETAIL APPLICABLE TO CATEGORY 'A' WIRING SYSTEM (AS/NZS 3000:2007) AND AS/CA S009. REFER TO SPECIFICATION FOR TRENCHING AND BACKFILLING REQUIREMENTS. ALL UNDERGROUND WIRING SYSTEMS SHALL BE SPACED NOT LESS THAN 100mm FROM OTHER UNDERGROUND SERVICES.

- C3134a E04 B**



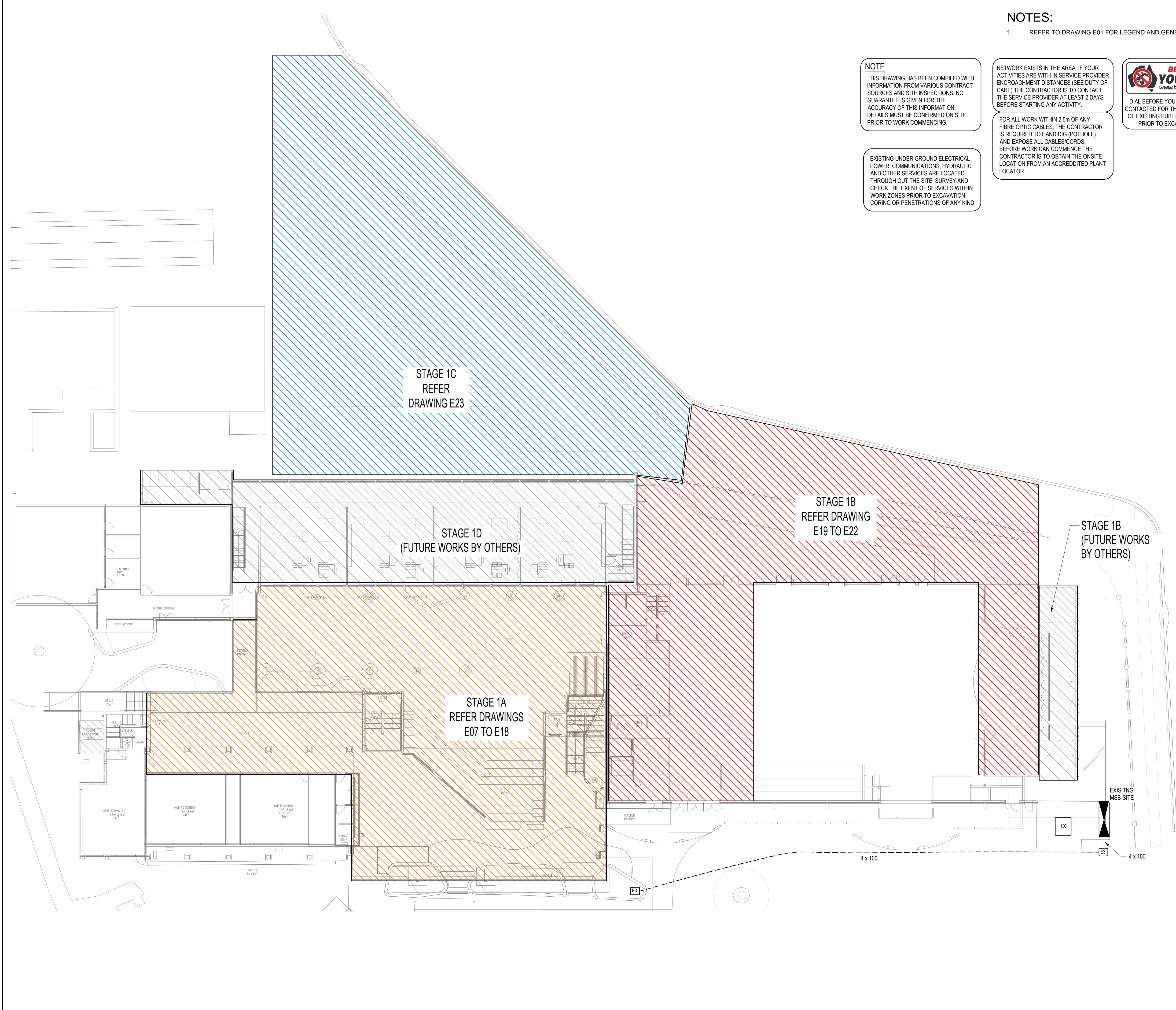


1. REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
2. COMMUNICATIONS RACK LAYOUTS ARE INDICATIVE, REFER TO LAYOUT DRAWINGS FOR QUANTITY OF DATA PORTS TO DETERMINE QUANTITY OF PACH PANELS. PROVIDE RACK LAYOUT SHOP DRAWINGS FOR REVIEW BY ELECTRICAL CONSULTANT AND LOURDES HILL COLLEGE IT REPRESENTATIVE.
3. REFER TO LAYOUT DRAWINGS FOR QUANTITY OF IP PA SPEAKERS. IP CONTROLLERS TO BE LOCATED IN THE COMMUNICATIONS RACKS OF EACH BUILDING.
4. IP MASTER STATION TO BE LOCATED IN THE GSC ADMIN MAIN RECEPTION COUNTER, STUDENT RECEPTION COUNTER AND IN EACH ASSISTANT PRINCIPAL'S OFFICE.

ALL DIMENSIONS TO BE VERIFIED ONSITE.



C3134a E05 B



NOTES:

1. REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES

NOTE

THIS DRAWING HAS BEEN COMPILED WITH INFORMATION FROM VARIOUS CONTRACT SOURCES AND SITE INSPECTIONS. NO GUARANTEE IS GIVEN FOR THE ACCURACY OF THIS INFORMATION. DETAILS MUST BE CONFIRMED ON SITE PRIOR TO WORK COMMENCING.

EXISTING UNDER GROUND ELECTRICAL POWER, COMMUNICATIONS, HYDRAULIC AND OTHER SERVICES ARE LOCATED THROUGH OUT THE SITE. SURVEY AND CHECK THE EXENT OF SERVICES WITHIN WORK ZONES PRIOR TO EXCAVATION CORING OR PENETRATIONS OF ANY KIND.

NETWORK EXISTS IN THE AREA, IF YOUR ACTIVITIES ARE WITH IN SERVICE PROVIDER ENCROACHMENT DISTANCES (SEE DUTY OF CARE) THE CONTRACTOR IS TO CONTACT THE SERVICE PROVIDER AT LEAST 2 DAYS BEFORE STARTING ANY ACTIVITY.

FOR ALL WORK WITHIN 2.5m OF ANY FIBRE OPTIC CABLES, THE CONTRACTOR IS REQUIRED TO HAND DIG (POTHOLE) AND EXPOSE ALL CABLES/CORDS. BEFORE WORK CAN COMMENCE THE CONTRACTOR IS TO OBTAIN THE ONSITE LOCATION FROM AN ACCREDITED PLANT LOCATOR.



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USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.

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TRADING AS:
ELECTRICAL DESIGN GROUP

PROJECT:

**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:

**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

SCALE: SHEET SIZE:

1:200 AT **A1**

DRAWING TITLE:

**ELECTRICAL SERVICES
SITE PLAN**

PROJECT NO: DRAWING NO: REVISION:

C3134a E06 B

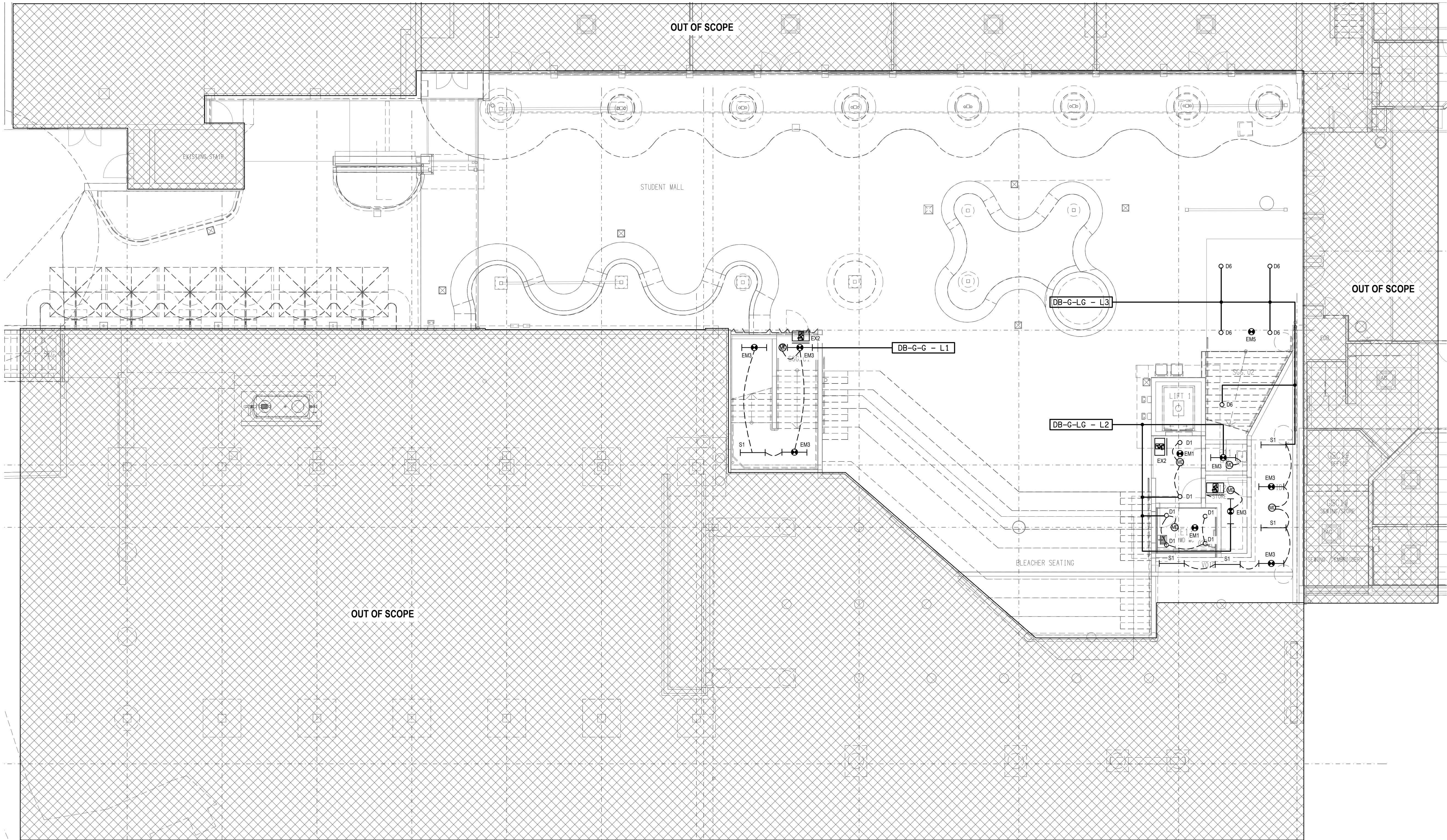
NOTES:

- 1.REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
- 2.POWER SUPPLY FROM DB-G-G LOCATED ON GROUND LEVEL, PROVIDE CONDUITS CAST IN SLAB FROM DISTRIBUTION BOARD TO THE LUMINAIRES AND MOTION DETECTORS.
- 3.PROVIDE CONDUITS CAST IN SLAB FROM FDCIE/EWCIE LOCATED ON GROUND LEVEL TO THE SMOKE DETECTORS AND SPEAKERS.

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GROUP

PROJECT:
**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:
**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

SCALE: 1:100
SHEET SIZE: AT A1

DRAWING TITLE:

**ELECTRICAL SERVICES
STAGE 1A LOWER GROUND
REFLECTED CEILING PLAN**

PROJECT NO: DRAWING NO: REVISION:

C3134a E07 C

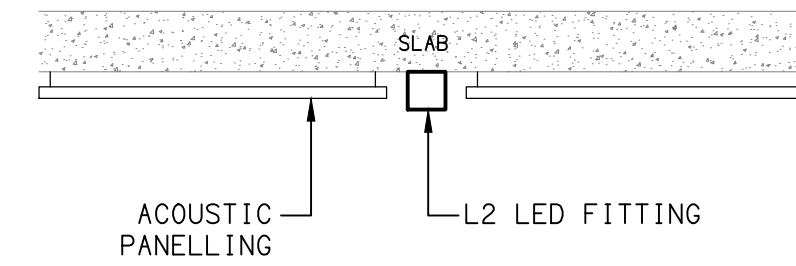


DETAIL
TYPICAL L2 SECTION VIEW
NOT TO SCALE

- ## NOTES:
1. REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES.
 2. REMOVE EXISTING LUMINAIRES WHERE NEW STAIR IS TO BE BUILT AND ALLOW TO RECIRCUIT EXISTING LUMINAIRES AS REQUIRED DUE TO THE REMOVAL.
 3. EXISTING LIGHTING TO REMAIN.

ALL DIMENSIONS TO BE VERIFIED ONSITE.





DETAIL
TYPICAL L2 SECTION VIEW
NOT TO SCALE

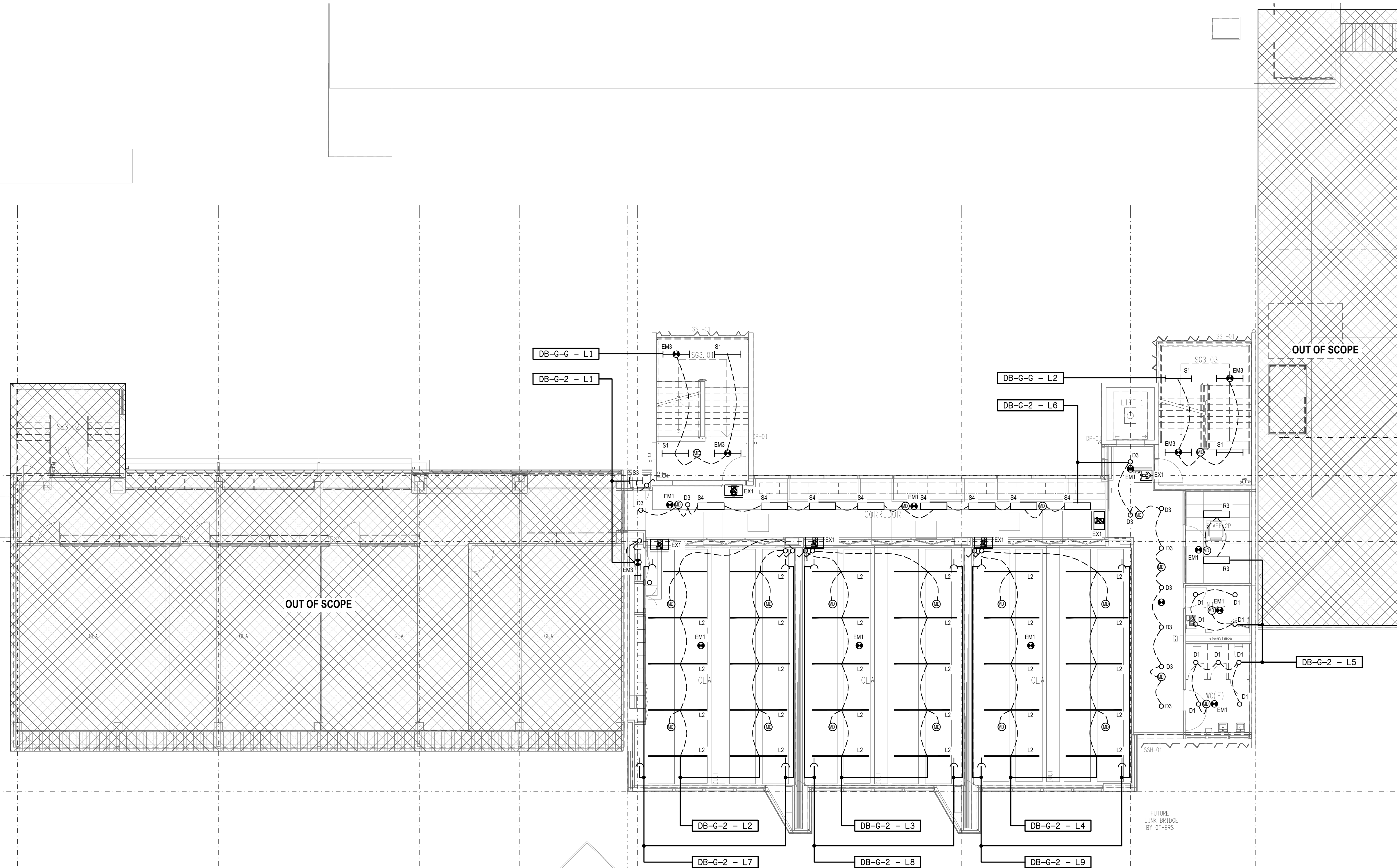
NOTES:

- REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES.

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PROJECT:

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STAGE 1**

SITE ADDRESS:

**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

SCALE: SHEET SIZE:

1:100 AT **A1**

DRAWING TITLE:

**ELECTRICAL SERVICES
STAGE 1A LEVEL 2
REFLECTED CEILING PLAN**

PROJECT NO: DRAWING NO: REVISION:

C3134a E10 C

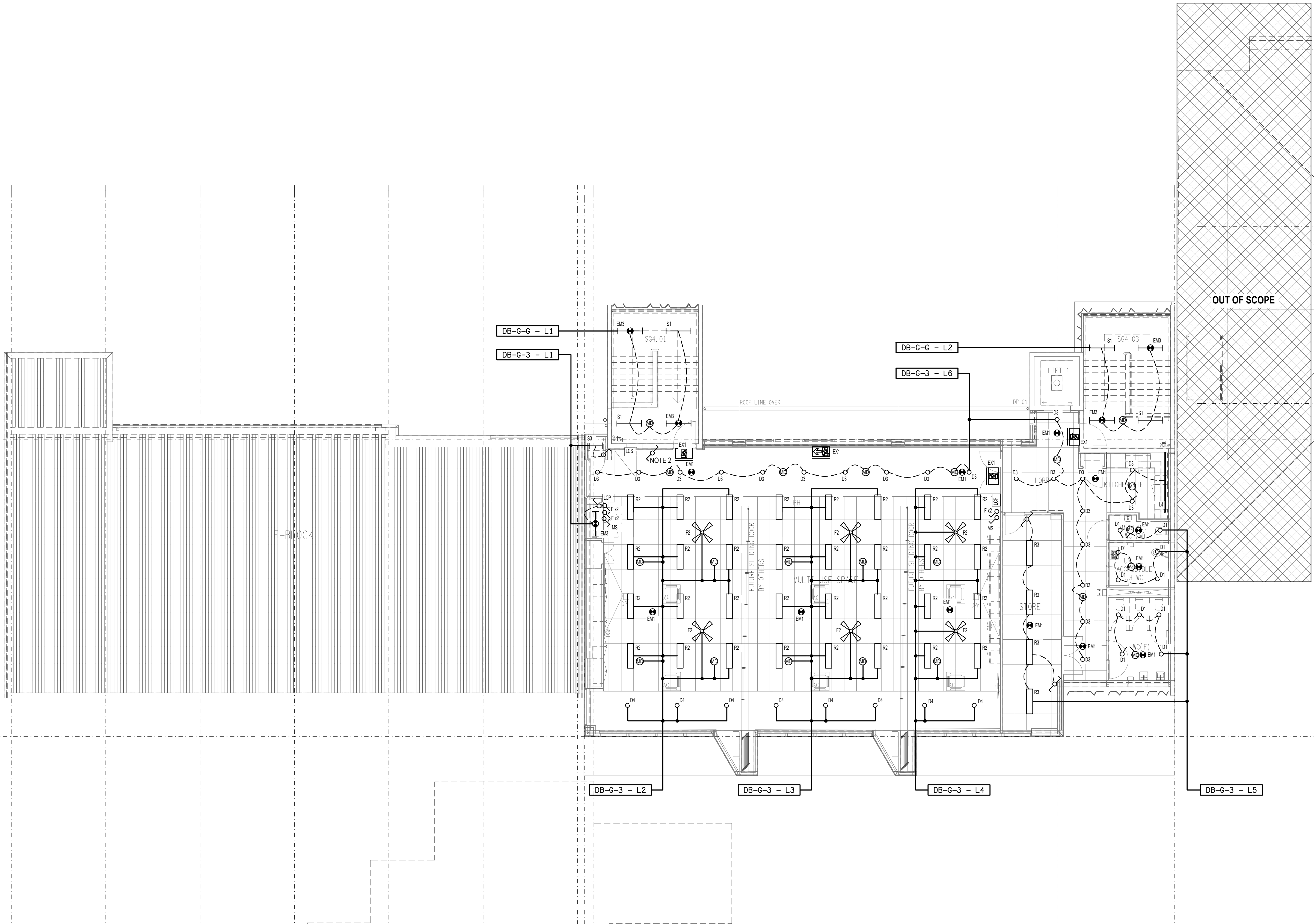
NOTES:

- 1.REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
- 2.LIGHT SWITCH FOR LUMINAIRES MOUNTED TO ROOF PLANT DECK.

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PROJECT:

**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:

**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

SCALE: SHEET SIZE:

1:100 AT A1

DRAWING TITLE:

**ELECTRICAL SERVICES
STAGE 1A LEVEL 3
REFLECTED CEILING PLAN**

PROJECT NO: DRAWING NO: REVISION:

C3134a E11 C

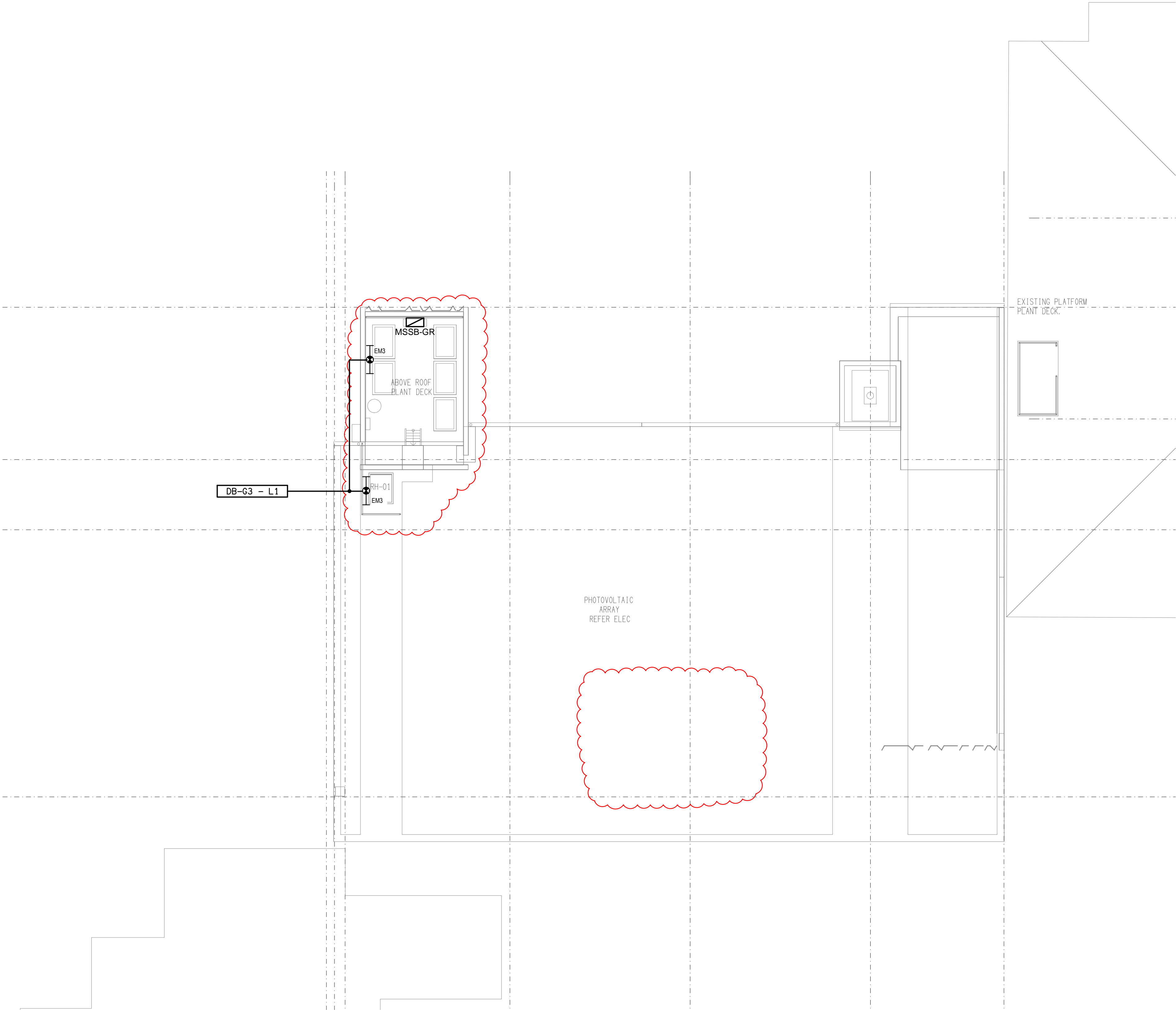
NOTES:

- 1.REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
- 2.ALL LIGHTS ON THE ROOF TO BE ON A PE CELL WITH LOCAL SWITCHES TO OVERRIDE.

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PROJECT:

**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:

**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

SCALE: SHEET SIZE:

1:100 AT **A1**

DRAWING TITLE:

**ELECTRICAL SERVICES
STAGE 1A
ROOF LEVEL REFLECTED
CEILING PLAN**

PROJECT NO: DRAWING NO: REVISION:

C3134a E12 B

NOTES:

1. REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
2. POWER SUPPLY FROM DB-G-G LOCATED ON GROUND LEVEL. PROVIDE CONDUITS CAST IN SLAB FROM DISTRIBUTION BOARD TO THE OUTLETS.
3. PROVIDE COMMUNICATIONS CONDUITS CAST IN SLAB FROM THE GROUND FLOOR G BLOCK COMMUNICATIONS RACK TO THE OUTLETS.
4. LOCKABLE SWITCHING PANEL (LSP) TO CONTROL HIGH-BAY LIGHTING & OVER-RIDE GENERAL LIGHTING AND LOUVERS
5. SUPPLY & INSTALL NEW DB-G-LG FED FROM DB-G SURFACE MOUNT TO BLOCK WALL
6. POWER OUTLETS FOR UMBRELLA LIGHTING CONTROLLED VIA PE CELL AND TIMER WITH OVER-RIDE SWITCH FUNCTION

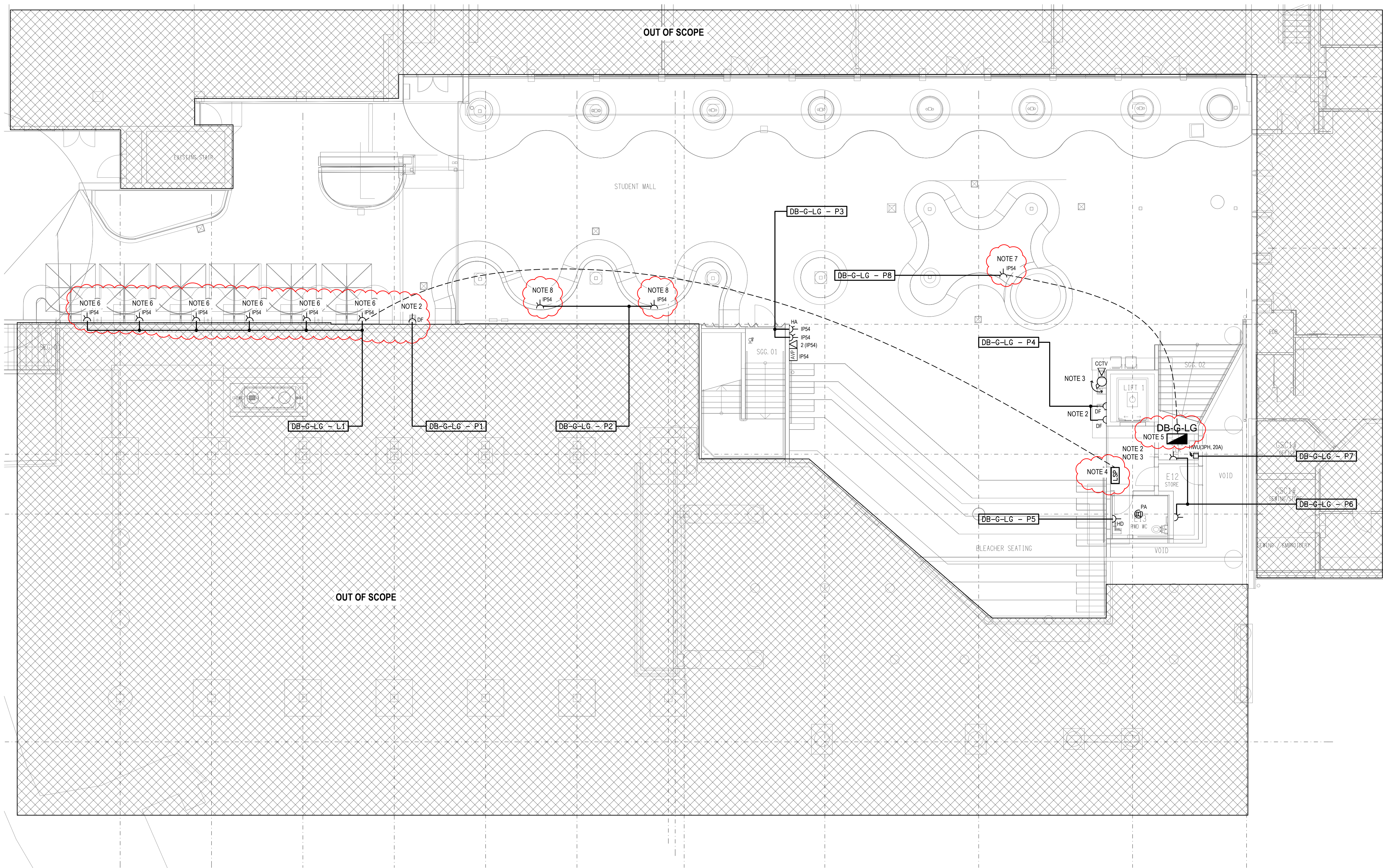
NOTES:

7. POWER SUPPLY FOR PUMP & SWITCHED SUPPLY FOR POND LIGHTING VIA TIMER OR OVER-RIDE SWITCH
8. 2 x IP54 SERIES OUTLETS INSTALLED WITHIN SEATING AREA

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TRADING AS:
ELECTRICAL DESIGN
GROUP

PROJECT:

**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:

**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

SCALE:

1:100

SHEET SIZE:

AT A1

DRAWING TITLE:

**ELECTRICAL SERVICES
STAGE 1A LOWER GROUND
FLOOR PLAN**

PROJECT NO: DRAWING NO: REVISION:

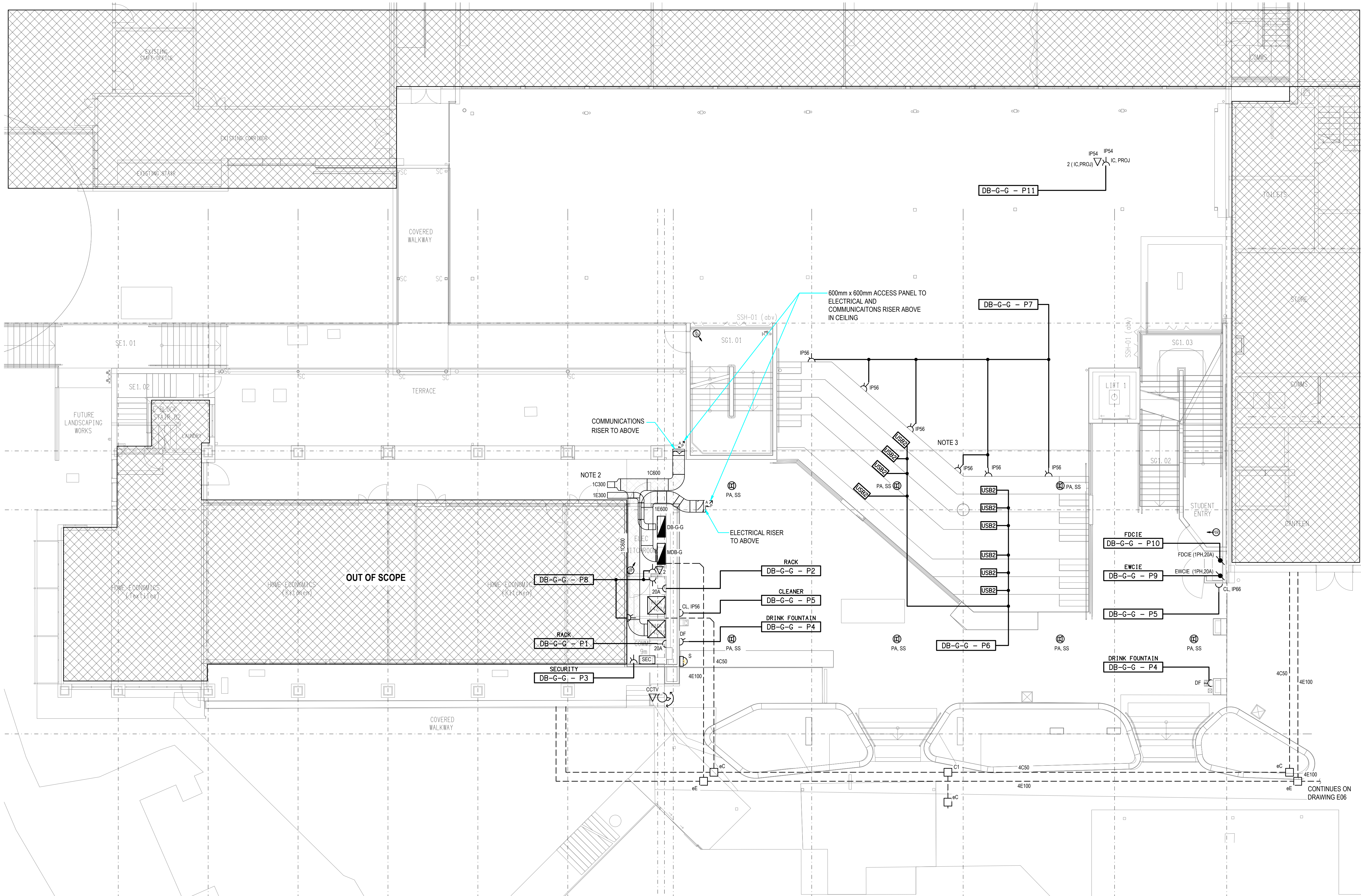
C3134a E13 B

- NOTES:
- 1. REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
 - 2. CABLE TRAY TO ALLOW FOR EXTENSION AS PART OF FUTURE E BLOCK REFURBISHMENT.
 - 3. ALL OUTLETS ON BLEACHER SEATING TO BE RECESSED INTO VERTICAL FACE OF THE BLEACHERS (BLOCKOUT BOX REQUIRED TO CREATE RECESS). PROVIDE CONDUITS IN SLAB FROM OUTLETS TO DB-G-G.
 - 4. PROVIDE SPACE AND SOCKET OUTLET FOR FUTURE COMMUNICATIONS RACK.
 - 5. SUPPLY AND INSTALL SOCKET OUTLET FOR FUTURE DRINKING FOUNTAIN.
 - 6. POWER AND DATA OUTLETS TO BE MOUNTED TO THE EXISTING BUTTERFLY WING STRUCTURE. CABLING TO RETICULATE IN CONDUIT ON STRUCTURE TO THE GSC BUILDING. SUPPLY AND INSTALL HDMI AND SPEAKER CABLING FROM THE GSC GROUND LEVEL COMMUNICATIONS ROOM (LEAVE 2M COIL) AND BLEACHERS OUTLET LOCATION TO THE PROJECTOR OUTLET LOCATION.

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TRADING AS:
ELECTRICAL DESIGN GROUP

PROJECT:
**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:
86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND

SCALE: 1:100 SHEET SIZE: AT A1

DRAWING TITLE:
**ELECTRICAL SERVICES
STAGE 1A GROUND LEVEL
FLOOR PLAN**

PROJECT NO: DRAWING NO: REVISION:
C3134a E14 C

NOTES:

1.

REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
2.

CABLE TRAY TO ALLOW FOR EXTENSION AS PART OF FUTURE E BLOCK REFURBISHMENT.
3.

SUPPLY AND INSTALL ELECTRICAL AND COMMUNICATIONS CONDUITS CAST IN SLAB FROM FLOORBOX TO NEAREST WALL FOR RETICULATION OF CABLING.
4.

ELECTRICAL AND COMMUNICATIONS CATENARY/CONDUITS REQUIRED FROM THE CABLE TRAY TO EACH CLASSROOM ON EITHER SIDE OF THE MECHANICAL DUCT TO THE CLASSROOMS. LOCATION TO BE COORDINATED OVER THE MECHANICAL DUCTS WITH THE MECHANICAL TRADE.
5.

MECHANICAL DUCT AS SPARE TO ALLOW FOR CABLE INSTALLATION IN THE FUTURE.
6.

SUPPLY AND INSTALL 1E50 AND 1C50 CONDUITS FROM THE CABLE TRAY TO EACH CLASSROOM ON EACH SIDE OF THE
5.

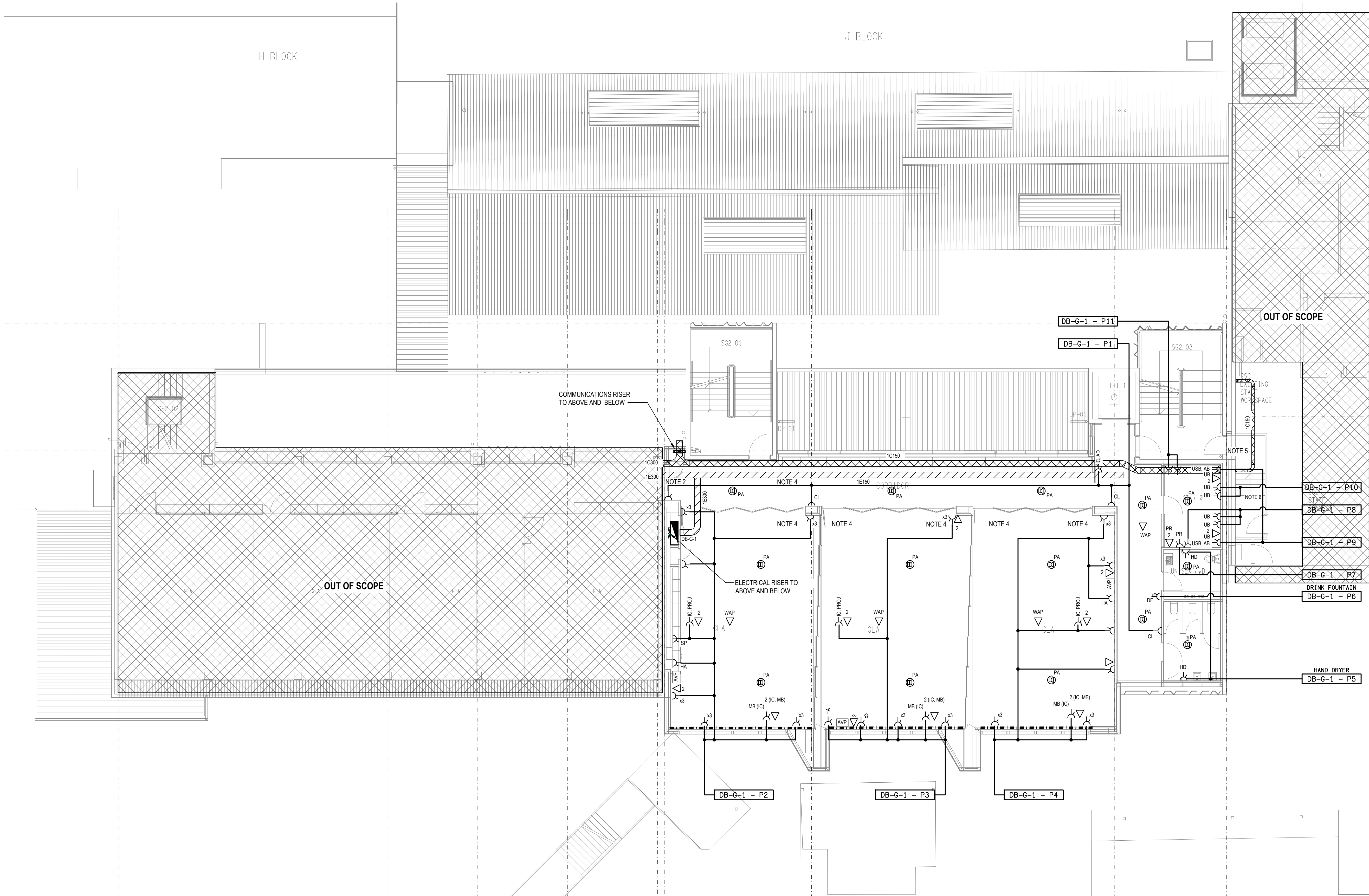
CABLE TRAY CONTINUES TO GSC BUILDING COMMUNICATIONS ROOM ON GROUND LEVEL. ALLOW TO SEAL AND FIRE RATE PENETRATIONS. CABLE TRAY IN GSC BUILDING TO BE INSTALLED IN THE LEVEL 1 CEILING AND DOWN WALL INTO THE NEW GROUND FLOOR COMMUNICATIONS ROOM. PROVIDE HAT SECTION COVERS PAINTED TO MATCH SURFACE MOUNTED TO WHERE WALL MOUNTED IN LEVEL 1 OF THE GSC. ALLOW TO SEAL AND FIRE RATE ALL PENETRATIONS.
6.

REMOVE EXISTING SOCKET AND DATA OUTLETS WHERE NEW STAIR IS TO BE LOCATED. CABLING TO BE COMPLETELY REMOVED FROM OUTLET TO SWITCHBOARD/DATA CABINET.

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TRADING AS:
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GROUP

PROJECT:
**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:
**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

SCALE: 1:100
SHEET SIZE: AT A1

DRAWING TITLE:
**ELECTRICAL SERVICES
STAGE 1A LEVEL 1
FLOOR PLAN**

PROJECT NO: DRAWING NO: REVISION:

C3134a E15 C

NOTES:

1.

REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
2.

CABLE TRAY TO ALLOW FOR EXTENSION AS PART OF FUTURE E BLOCK REFURBISHMENT.
3.

SUPPLY AND INSTALL ELECTRICAL AND COMMUNICATIONS CONDUITS CAST IN SLAB FROM FLOORBOX TO NEAREST WALL FOR RETICULATION OF CABLING.
4.

ELECTRICAL AND COMMUNICATIONS CATENARY/CONDUITS REQUIRED FROM THE CABLE TRAY TO EACH CLASSROOM ON EITHER SIDE OF THE MECHANICAL DUCT TO THE CLASSROOMS. LOCATION TO BE COORDINATED OVER THE MECHANICAL DUCTS WITH THE MECHANICAL TRADE.

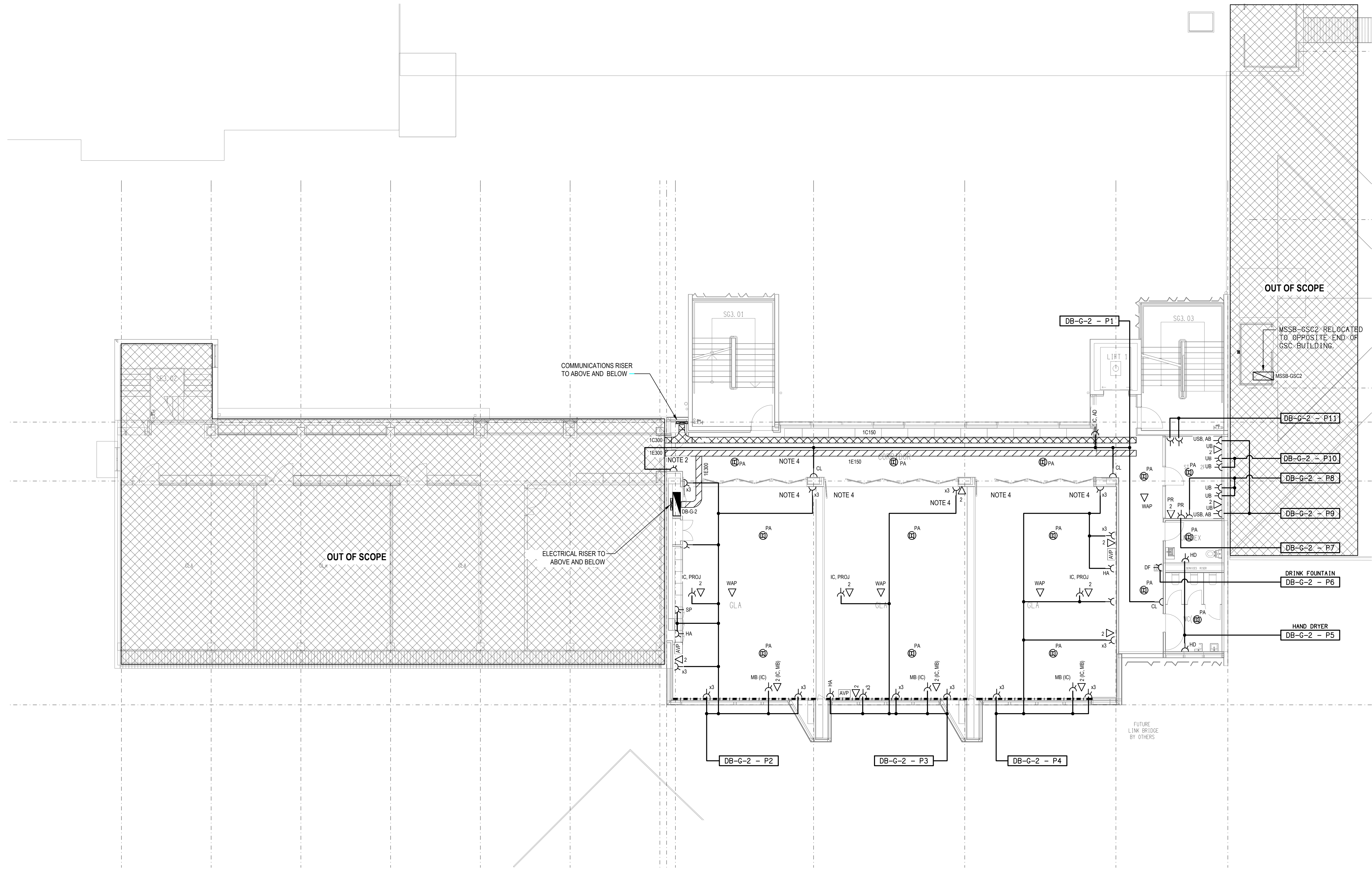
SUPPLY AND INSTALL 1E50 AND 1C50 CONDUITS FROM THE CABLE TRAY TO EACH CLASSROOM ON EACH SIDE OF THE MECHANICAL DUCT AS SPARE TO ALLOW FOR CABLE INSTALLATION IN THE FUTURE.

SUPPLY AND INSTALL 2E50 AND 3C50 CONDUITS ON THE CABLE TRAY AS SPARE TO ALLOW FOR CABLE INSTALLATION IN THE FUTURE.

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TRADING AS:
ELECTRICAL DESIGN
GROUP

PROJECT:
**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:
**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

SCALE: 1:100
SHEET SIZE: AT A1

DRAWING TITLE:
**ELECTRICAL SERVICES
STAGE 1A LEVEL 2
FLOOR PLAN**

PROJECT NO: DRAWING NO: REVISION:

C3134a E16 C

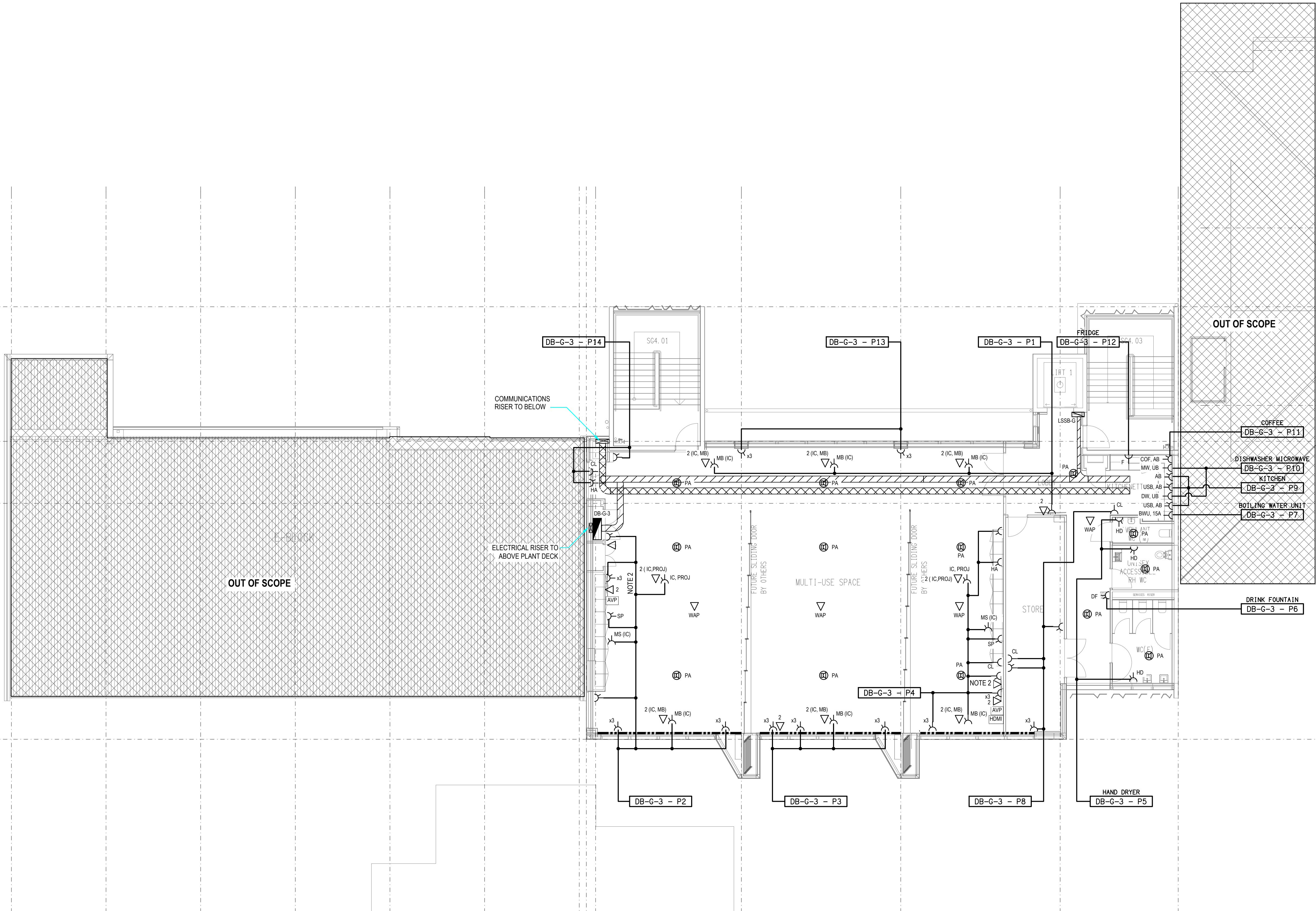
NOTES:

- 1.REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
- 2.OUTLETS TO BE MOUNTED BEHIND DISPLAY.
- 3.SUPPLY AND INSTALL ELECTRICAL AND COMMUNICATIONS
CONDUITS CAST IN SLAB FROM FLOORBOX TO NEAREST WALL
FOR RETICULATION OF CABLING.

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TRADING AS:
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PROJECT:

**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:

86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND

SCALE: SHEET SIZE:

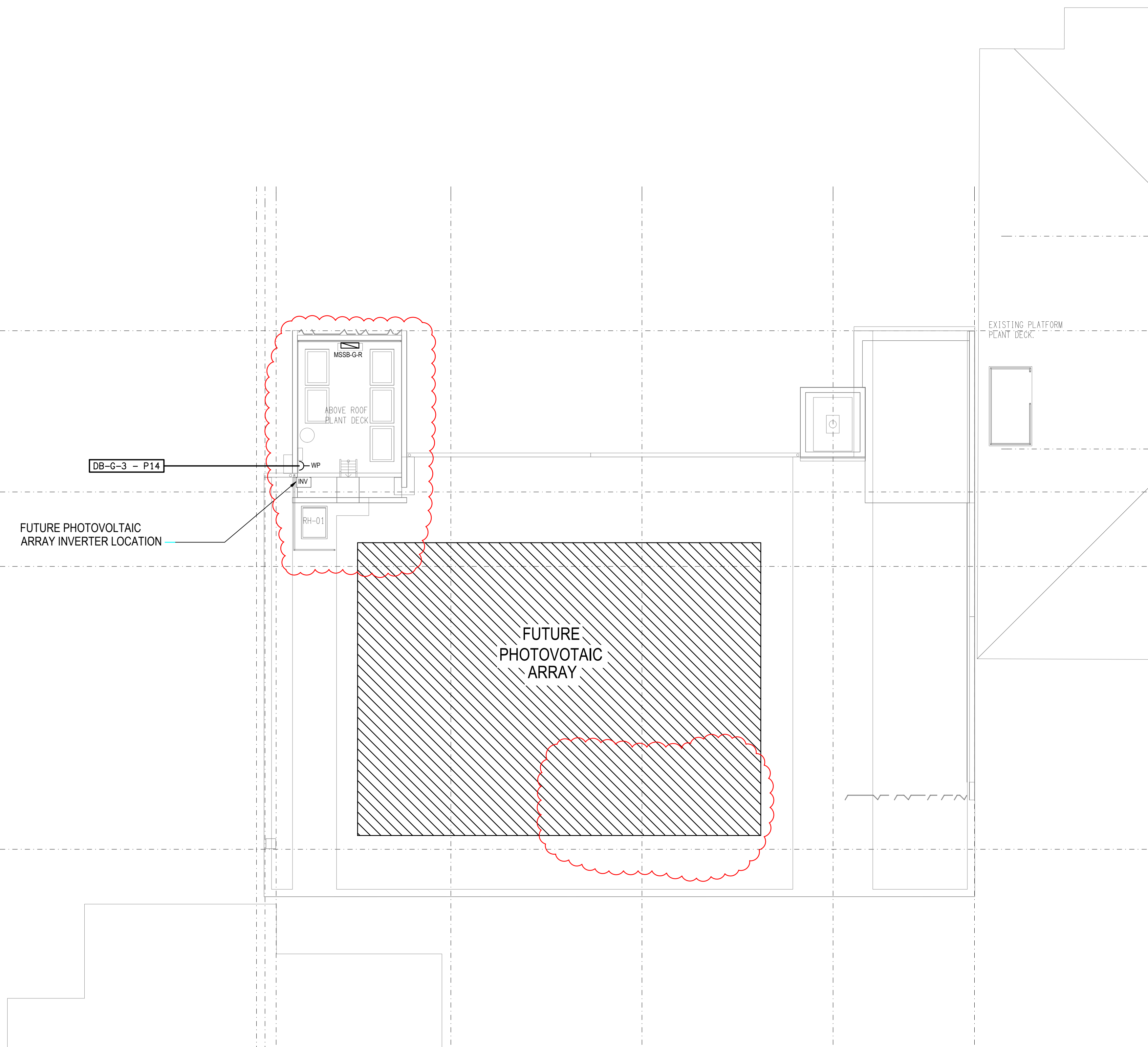
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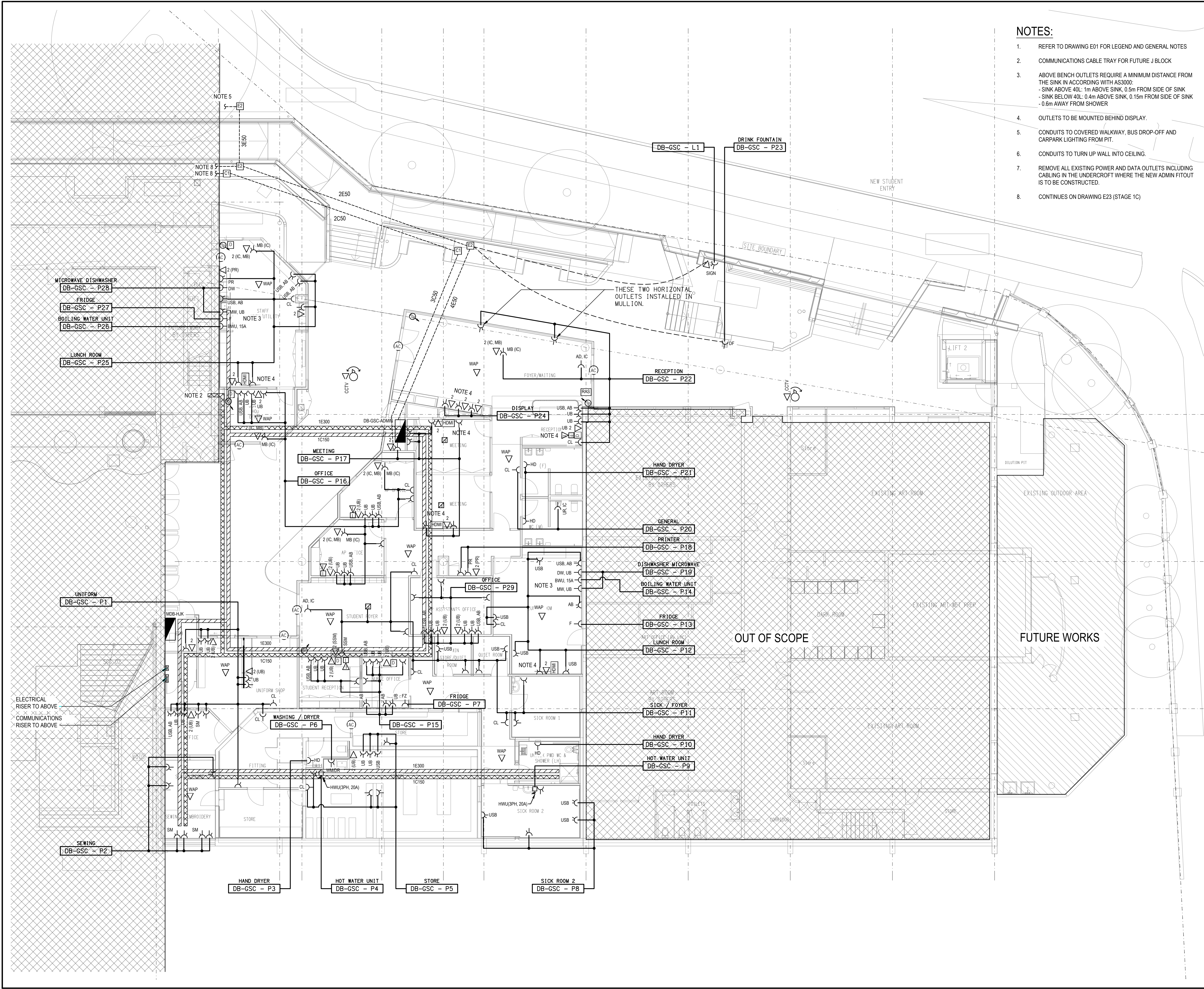
DRAWING TITLE:

**ELECTRICAL SERVICES
STAGE 1A LEVEL 3
FLOOR PLAN**

PROJECT NO: DRAWING NO: REVISION:

C3134a E17 C





NOTES:

1. REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
2. COMMUNICATIONS CABLE TRAY FOR FUTURE J BLOCK
3. ABOVE BENCH OUTLETS REQUIRE A MINIMUM DISTANCE FROM THE SINK IN ACCORDING WITH AS3000:
 - SINK ABOVE 40L: 1m ABOVE SINK, 0.5m FROM SIDE OF SINK
 - SINK BELOW 40L: 0.4m ABOVE SINK, 0.15m FROM SIDE OF SINK
 - 0.6m AWAY FROM SHOWER
4. OUTLETS TO BE MOUNTED BEHIND DISPLAY.
5. CONDUITS TO COVERED WALKWAY, BUS DROP-OFF AND CARPARK LIGHTING FROM FIT.
6. CONDUITS TO TURN UP WALL INTO CEILING.
7. REMOVE ALL EXISTING POWER AND DATA OUTLETS INCLUDING CABLING IN THE UNDERCROFT WHERE THE NEW ADMIN FITOUT IS TO BE CONSTRUCTED.
8. CONTINUES ON DRAWING E23 (STAGE 1C)

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TRADING AS:
ELECTRICAL DESIGN GROUP

PROJECT:
**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:
**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

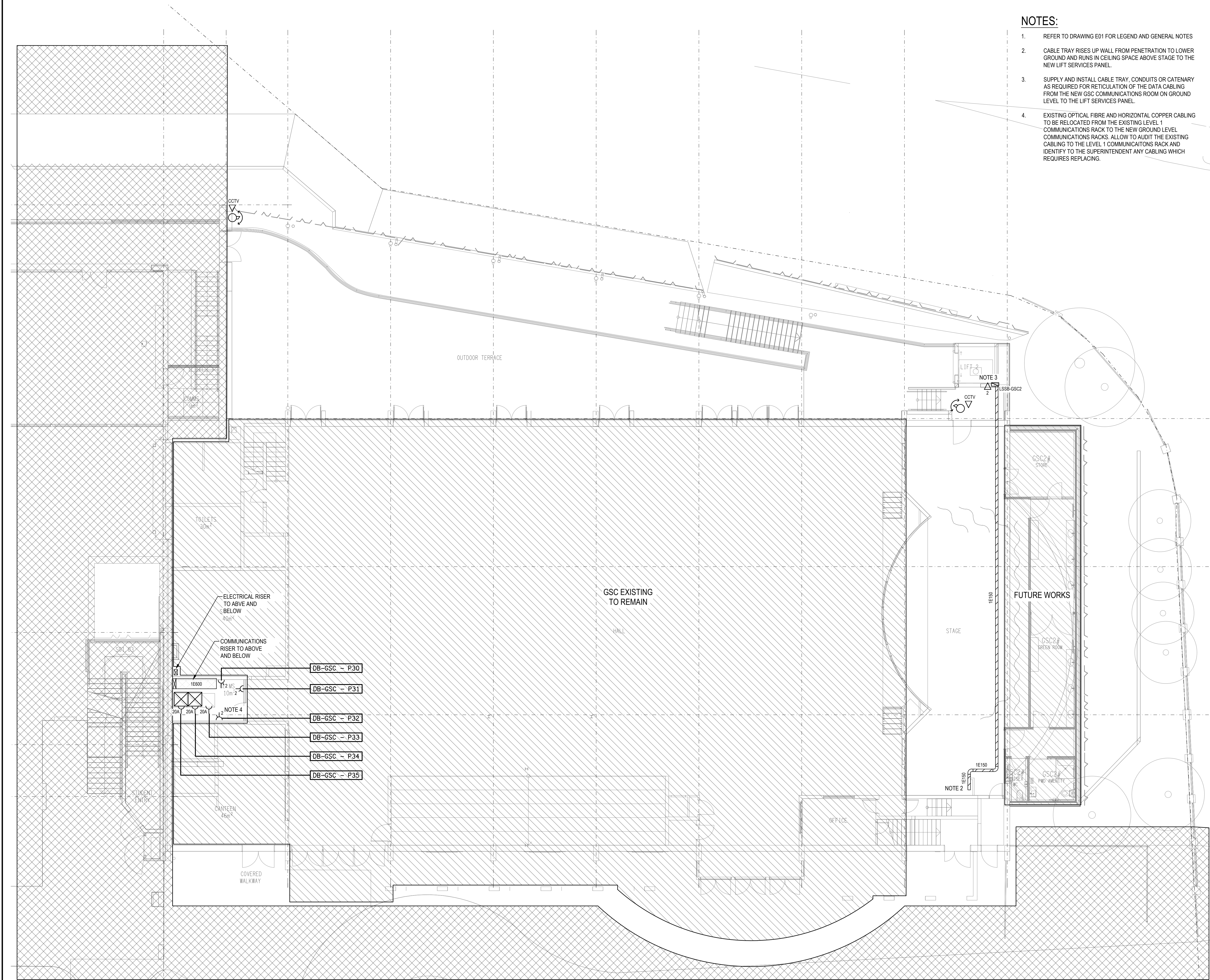
SCALE: 1:100 SHEET SIZE: AT A1

DRAWING TITLE:

**ELECTRICAL SERVICES
STAGE 1B LOWER GROUND
FLOOR PLAN**

PROJECT NO: DRAWING NO: REVISION:

C3134a E21 C



NOTES:

- 1. REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
- 2. CABLE TRAY RISES UP WALL FROM PENETRATION TO LOWER GROUND AND RUNS IN CEILING SPACE ABOVE STAGE TO THE NEW LIFT SERVICES PANEL.
- 3. SUPPLY AND INSTALL CABLE TRAY, CONDUITS OR CATENARY AS REQUIRED FOR RETICULATION OF THE DATA CABLING FROM THE NEW GSC COMMUNICATIONS ROOM ON GROUND LEVEL TO THE LIFT SERVICES PANEL.
- 4. EXISTING OPTICAL FIBRE AND HORIZONTAL COPPER CABLING TO BE RELOCATED FROM THE EXISTING LEVEL 1 COMMUNICATIONS RACK TO THE NEW GROUND LEVEL COMMUNICATIONS RACKS. ALLOW TO AUDIT THE EXISTING CABLING TO THE LEVEL 1 COMMUNICATIONS RACK AND IDENTIFY TO THE SUPERINTENDENT ANY CABLING WHICH REQUIRES REPLACING.

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USE FIGURED DIMENSIONS IN PREFERENCE TO SCALE.

ALL DIMENSIONS TO BE VERIFIED ONSITE.

C	INFORMATION	11/12/2023
REV:	DESCRIPTION:	DATE:

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ACN 092 710 793

TRADING AS:
ELECTRICAL DESIGN GROUP

PROJECT:

**LOURDES HILL COLLEGE
STAGE 1**

SITE ADDRESS:

**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

SCALE: SHEET SIZE:

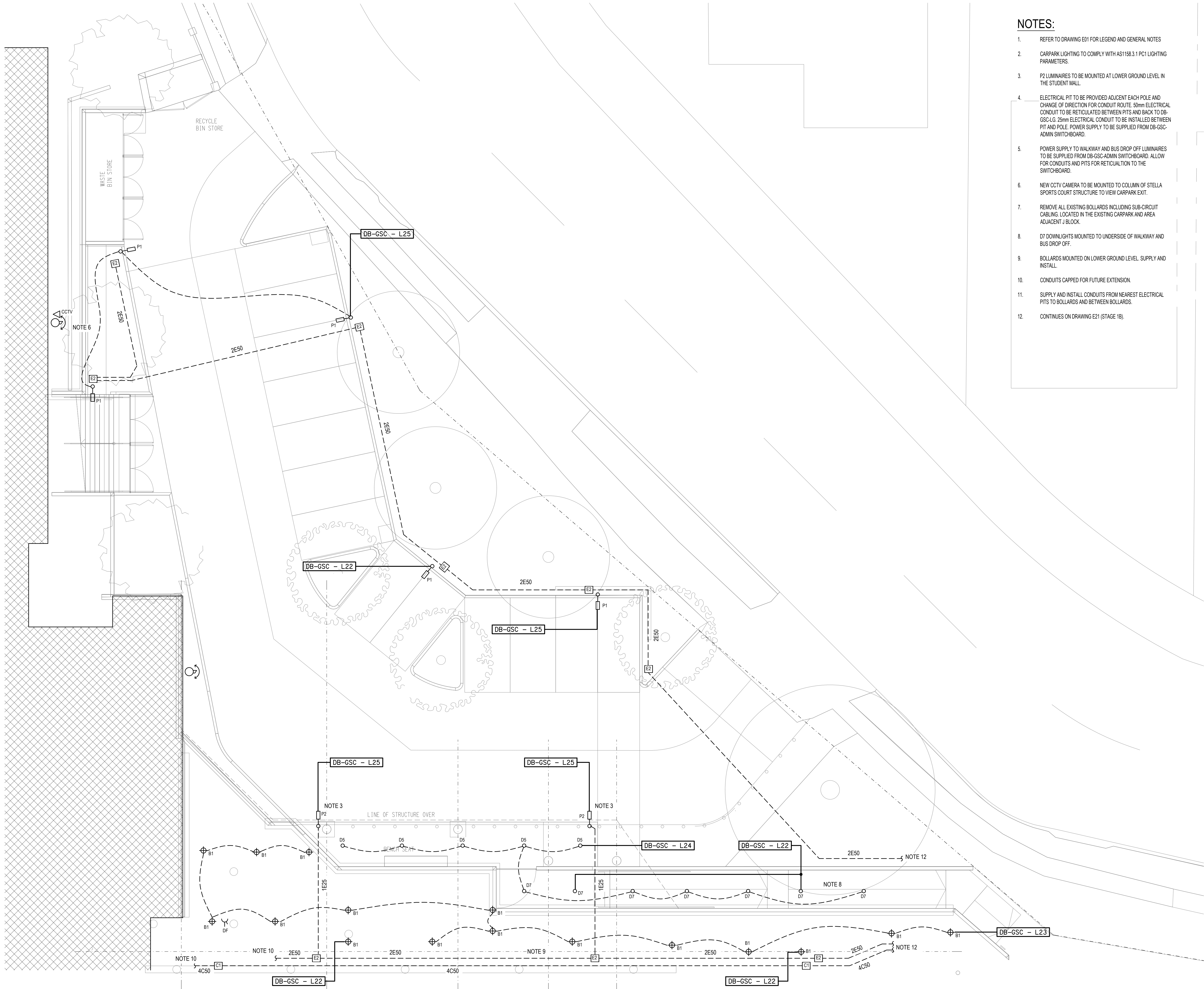
1:100 AT **A1**

DRAWING TITLE:

**ELECTRICAL SERVICES
STAGE 1B GROUND LEVEL
FLOOR PLAN**

PROJECT NO: DRAWING NO: REVISION:

C3134a E22 C



NOTES:

- REFER TO DRAWING E01 FOR LEGEND AND GENERAL NOTES
- CARPARK LIGHTING TO COMPLY WITH AS1193.3.1 PC1 LIGHTING PARAMETERS.
- P2 LUMINAIRES TO BE MOUNTED AT LOWER GROUND LEVEL IN THE STUDENT MALL.
- ELECTRICAL PIT TO BE PROVIDED ADJCENT EACH POLE AND CHANGE OF DIRECTION FOR CONDUIT ROUTE. 50mm ELECTRICAL CONDUIT TO BE RETICULATED BETWEEN PITS AND BACK TO DB-GSC-LG. 25mm ELECTRICAL CONDUIT TO BE INSTALLED BETWEEN PIT AND POLE. POWER SUPPLY TO BE SUPPLIED FROM DB-GSC-ADMIN SWITCHBOARD.
- POWER SUPPLY TO WALKWAY AND BUS DROP OFF LUMINAIRES TO BE SUPPLIED FROM DB-GSC-ADMIN SWITCHBOARD. ALLOW FOR CONDUITS AND PITS FOR RETICULATION TO THE SWITCHBOARD.
- NEW CCTV CAMERA TO BE MOUNTED TO COLUMN OF STELLA SPORTS COURT STRUCTURE TO VIEW CARPARK EXIT.
- REMOVE ALL EXISTING BOLLARDS INCLUDING SUB-CIRCUIT CABLING. LOCATED IN THE EXISTING CARPARK AND AREA ADJACENT J BLOCK.
- D7 DOWNLIGHTS MOUNTED TO UNDERSIDE OF WALKWAY AND BUS DROP OFF.
- BOLLARDS MOUNTED ON LOWER GROUND LEVEL. SUPPLY AND INSTALL.
- CONDUITS CAPPED FOR FUTURE EXTENSION.
- SUPPLY AND INSTALL CONDUITS FROM NEAREST ELECTRICAL PITS TO BOLLARDS AND BETWEEN BOLLARDS.
- CONTINUES ON DRAWING E21 (STAGE 1B).

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PROJECT:

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STAGE 1**

SITE ADDRESS:

**86 HAWTHORNE ROAD,
HAWTHORNE, QUEENSLAND**

SCALE: SHEET SIZE:

1:100 AT **A1**

DRAWING TITLE:

**ELECTRICAL SERVICES
STAGE 1C
CARPARK PLAN**

PROJECT NO: DRAWING NO: REVISION:

C3134a E23 C