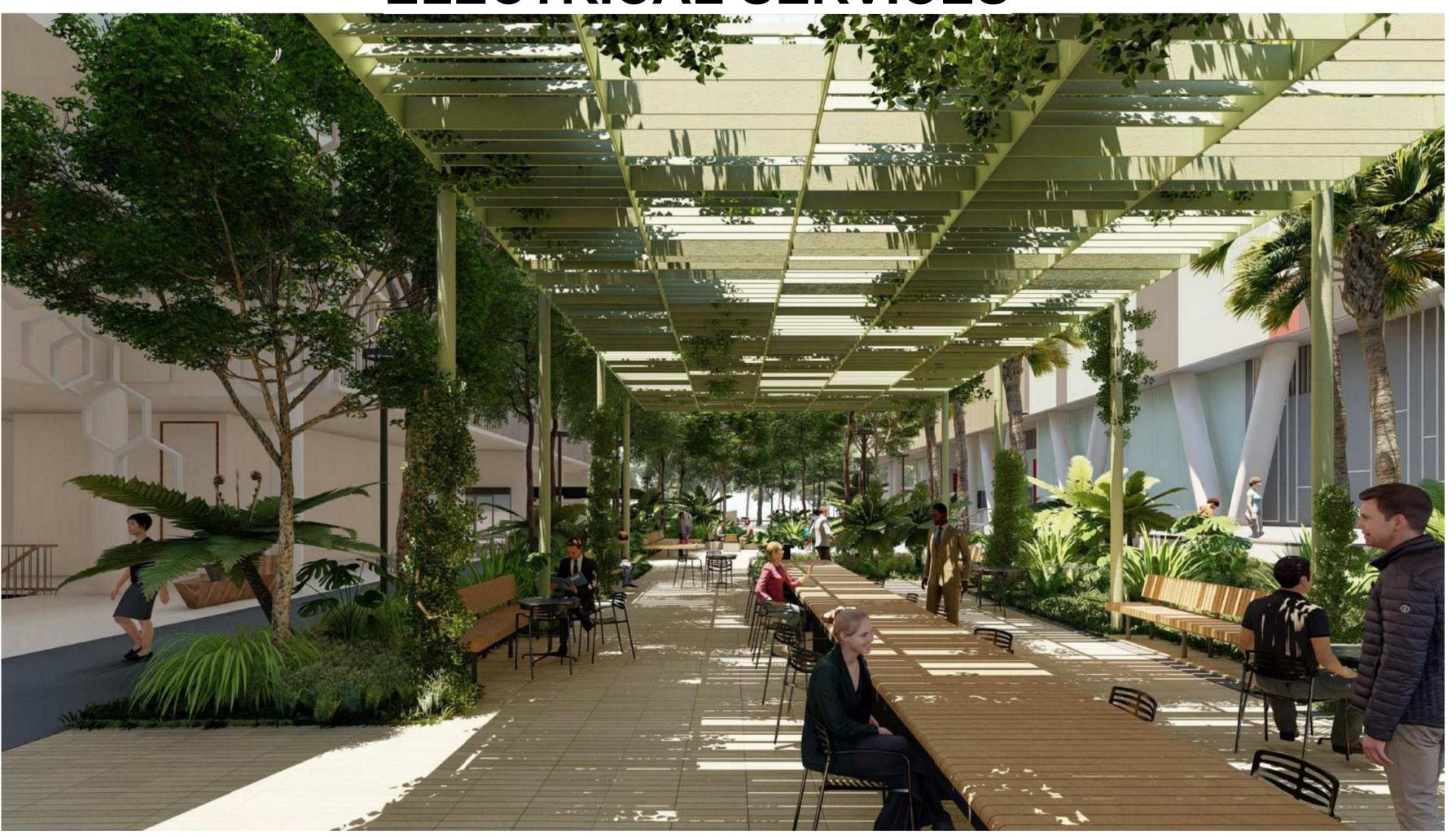
# LUMINA OPEN SPACE

## SOUTHPORT, QLD 4215 **ELECTRICAL SERVICES**



		ELECTRICAL SERVICES DRAWING INDEX
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62.0010071	E-0200	SCHEMATICS
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Olicit	DDS	50% DESIGN DEVELOPMENT DRAFT	06-04-23	1
	DDS	50% DESIGN DEVELOPMENT	18-04-23	2
	VL	90% DESIGN DEVELOPMENT	17-05-23	3
	VL	95% DESIGN DEVELOPMENT CLIENT ISSUE	26-05-23	4
	VL	100% DESIGN DEVELOPMENT ISSUE	21-07-23	5
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Fco				

Government

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#### REFERENCE MODEL RECEIVED DATE: Architecture Model 1 Received on: 17-07-23

(🖒 Introba Level 7, 200 Creek Street Brisbane, QLD 4000

LUMINA OPEN SPACE SOUTHPORT, QLD

ELECTRICAL SERVICES
COVER SHEET AND DRAWING IND

TRICAL SERVICES	DRAWN	CS	DATE	21-07-23
R SHEET AND DRAWING INDEX	DESIGN	DDS	SCALE	N.T.S
	CHECKED	-	PLOT RATIO	1 / A1
DRAWING REPRODUCTION	APPROVED	-	PROJECT No	62.0010071

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SWITCHED SOCKET OUTLET 3 PHASE IP56 RATING AS SHOWN

SWITCHED SOCKET OUTLET 10A IP56, CAPTIVE SWITCHED SOCKET OUTLET 10A IP56, CAPTIVE FOR AV

#### **ELECTRICAL/COMMUNICATIONS PITS**

COMMUNICATIONS PIT TYPE 55 450x450 C/W CLASS B INFILL COVER TO AS 3996 COMMUNICATIONS PIT TYPE 77 600x600 C/W CLASS C INFILL COVER TO AS 3996 EARTH ELECTRODE PIT C/W CLASS B INFILL COVER TO AS 3996

EXISTING NBN PIT

ELECTRICAL PIT TYPE 55 450x450 C/W CLASS B INFILL COVER TO AS 3996 ELECTRICAL PIT TYPE 77 600x600 C/W CLASS C INFILL COVER TO AS 3996

#### COMMUNICATIONS

DATA PROJECTOR IN WEATHER PROOF ENCLOSURE POLE MOUNTED ENCLOSURE AND POLE POWDER COATED TO MATCH LCD 70" LCD SCREEN 70" IN WEATHER PROOF ENCLOSURE IP65

WIRE ACCESS POINT, IP65 POLE MOUNTED AND POWDER COATED TO MATCH POLE

#### **ELECTRICAL EQUIPMENT**

ELECTRICAL DISTRIBUTION BOARD

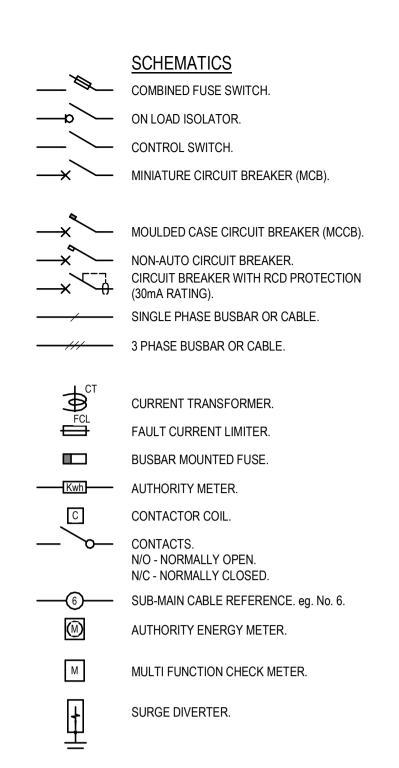
**ENERGEX PILLAR** 

LED DRIVER ENCLOSURE, PLINTH MOUNTED IN GARDEN

#### **CONDUITS**

<varies> ———— C HD COMMUNICATIONS CONDUIT (QTY) C (DIAMETER)

— — E HD ELECTRICAL CONDUIT (QTY) P (DIAMETER)



	<u>SECURITY</u>			
CCTV-2	4X2 MP MULTIDIRECTIONAL CAMERA WITH IR FOR 360° COVERAGE, COLOUR MATCH TO POLE (ANTHRACITE DB703 OR MATCHING)	AXIS COMMUNICATIONS	P3727-PLE	MINIMA MARINE
CCTV-1	FIXED 8 MP MINI DOME CAMERA ATTACHED TO LIGHTING POLE, COLOUR MATCH TO POLE (ANTHRACITE DB703 OR MATCHING)	AXIS COMMUNICATIONS	M3088-V	ASSA

#### **GENERAL NOTES:**

1. FOR FINAL LOCATION OF ALL OUTLETS, LUMINAIRES & OTHER EQUIPMENT REFER TO ARCHITECTURAL DRAWINGS.

3. ALL SSO's SHALL BE INSTALLED TO ARCHITECTS SETOUT.

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)

9. ALL WIRING SHALL BE CONCEALED UNLESS OTHERWISE SPECIFIED.

12. VOLTAGE AS 230V / 400V UNLESS NOTED OTHERWISE.

13. CIRCUITING:

- 12 SSO - MAXIMUM PER CIRCUIT. - 16 LIGHTING POINTS - MAXIMUM PER CIRCUIT.

#### **ABBREVIATIONS**

ABOVE BENCH.

RESERVED FOR AUDIOVISUAL DEVICES. BOILING WATER UNIT.

VM VPU VIDEO PROJECTION UNIT.

WAP WP

WEATHERPROOF.

CLEANERS OUTLET. VENDING MACHINE.

WIRELESS ACCESS POINT.

24 HOUR SECURITY CIRCUIT.

### THE ELECTRICAL TRADE IS TO ENSURE LIGHTING IS ORDERED WITH SUFFICIENT TIME TO MEET PROGRAMME. SHOULD DELIVERY DELAYS ARISE THAT MAY IMPACT

LIGHTING PROCUREMENT NOTES

PROGRAMME THE ELECTRICAL TRADE SHALL PROVIDE WRITTEN ADVICE FROM THE LIGHTING SUPPLIER ADVISING DELIVERY TIMES. THE CONSULTANT WILL ADVISE A REPLACEMENT LUMINAIRE.

ALTERNATIVE LIGHTING WILL NOT BE CONSIDERED DUE TO LATE ORDERING BY THE ELECTRICAL TRADE.

SHOULD THE TRADE SUBMIT ALTERNATIVE LIGHTING AS A COST SAVING PROPOSITION, REFER TO THE ELECTRICAL SPECIFICATION FOR SUBMISSION REQUIREMENTS

							<b>LUMINAIRE SCHE</b>	<u>DULE</u>				
ID	LIGHT SOURCE	LUMINOUS FLUX (ABSOLUTE LUMENS)	POWER (WATTS)	COLOUR TEMPERATURE	COLOUR RENDERING INDEX	CONTROL GEAR	DESCRIPTION	INSTALLATION	FINISH/COLOUR	SUPPLIER	MODEL	Image
NA	LED	NA	NA	NA	80	NA	LIGHTING POLE FOR P2-1 FITTINGS	NA	ANTHRACITE (DB703)	LAD GROUP	CN SERIES	9
L1	LED	900 lm	13 W	2700 K	<varies></varies>	DALI	LED STRIP LIGHT	MOUNTED UNDER SEATING	ANTHRACITE (DB703)	LUXSON ILLUMINATIO	DN LANCE 18	
P1	LED	965 lm	12 W	2700 K	80	DALI	POLE LIGHT	POLE MOUNTED	ANTHRACITE (DB703)	LAD GROUP	CN SERIES	7
P2-1	LED	1617 lm	18 W	2700 K	80	DALI	MEDIUM PROJECTOR	POLE MOUNTED	ANTHRACITE (DB703)	LAD GROUP	C165	
U1	LED	3000 lm	29 W	2700 K	RGBW	DALI	UPLIGHT	LOCATED IN LANDSCAPE	TBC	LAD GROUP	R200	
U2	LED	1200 lm	12 W	2700 K	RBGW	DALI	UPLIGHT	LOCATED IN LANDSCAPE	TBC	LAD GROUP	R130	69
WL1	LED	509 lm	8 W	2700 K	80	DALI	WALL LIGHT	MOUNTED TO STRUCTURAL COLUMN	ANTHRACITE (DB703)	LAD GROUP	IFROUND	

<sup>\*\*\*</sup> ALL LIGHTING TO BE CONTROLLED VIA WIRELESS BLUETOOTH LIGHTING CONTROL SYSTEM WITH NODES REMOTE AND INTEGRAL TO LUMINAIRES

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SOUTHPORT, QLD

DRAWING REPRODUCTION

BLACK & WHITE SPECIFIC DOCUMENTS.

ELECTRICAL SERVICES LEGEND AND GENERAL NOTES DRAWN DATE 21-07-23 CS DESIGN DDS SCALE N.T.S CHECKED PLOT RATIO 1 / A1 APPROVED PROJECT No 62.0010071

62.0010071-E-0001

REVISION 06-04-23 50% DESIGN DEVELOPMENT DRAFT

Architect:

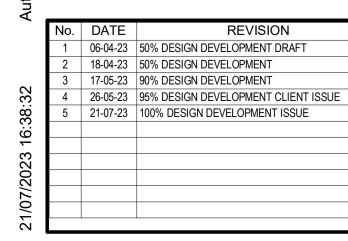
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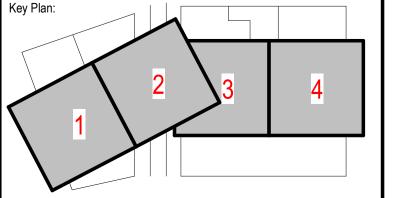


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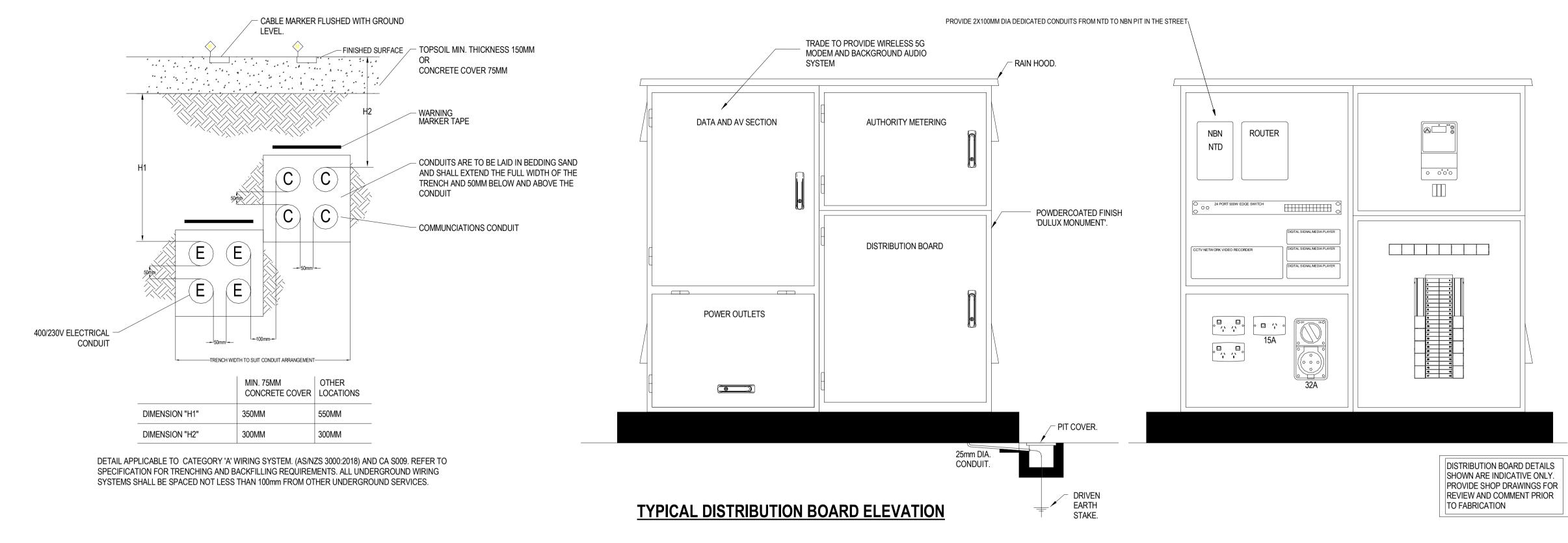
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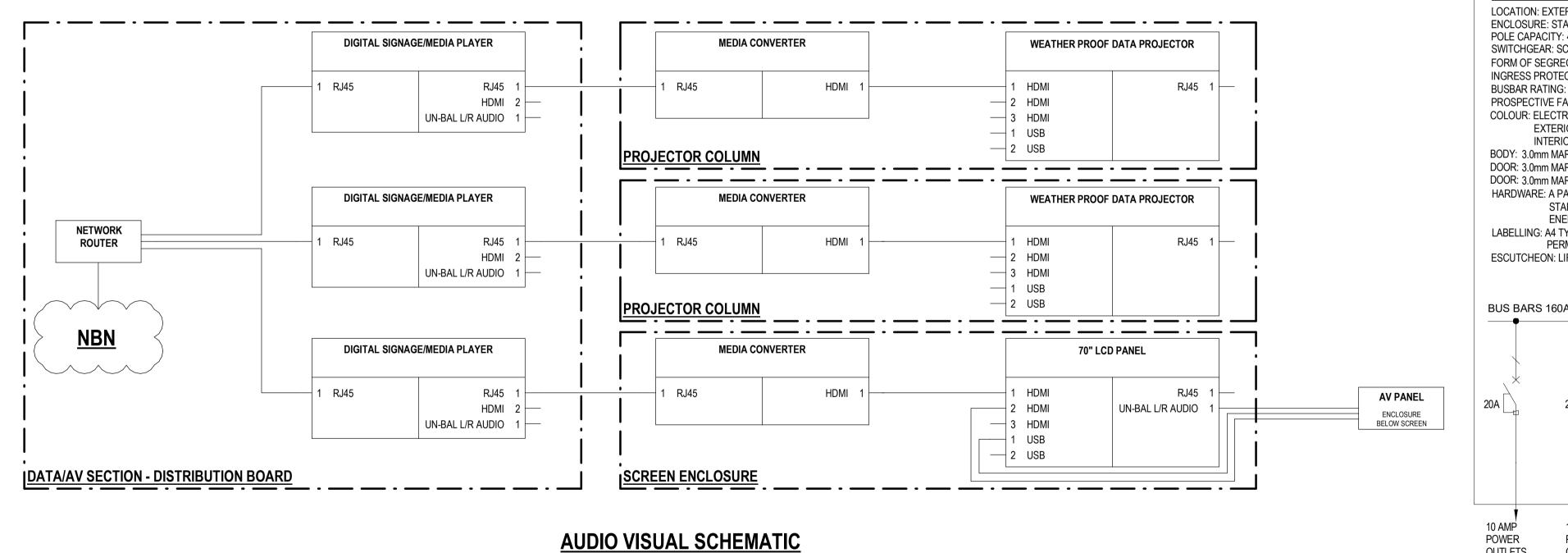
ELECTRICAL SERVICES SITE PLAN	

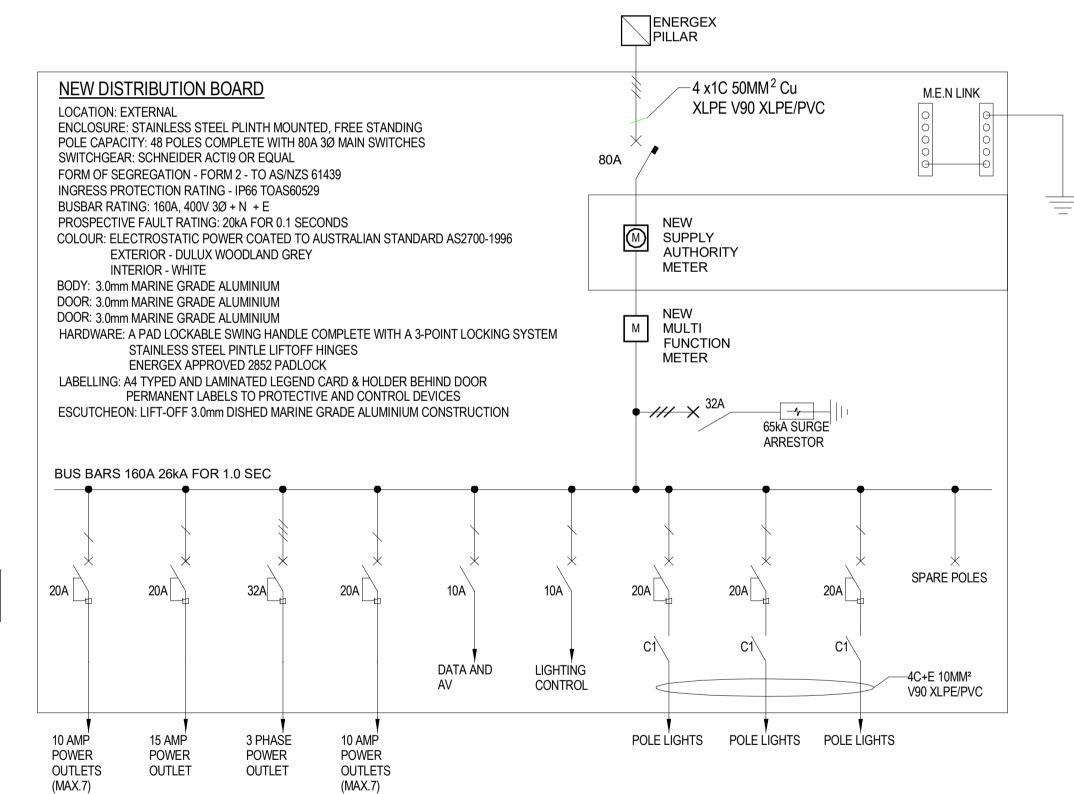
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	CHECKED	-	PLOT RATIO	1 / A1
	APPROVED	-	PROJECT No	62.0010071
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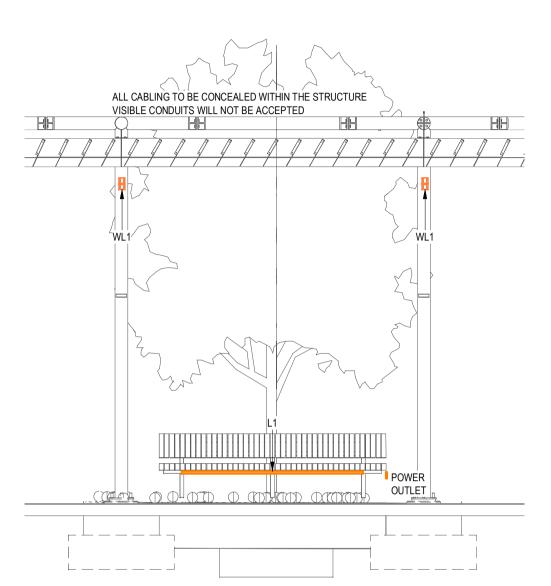
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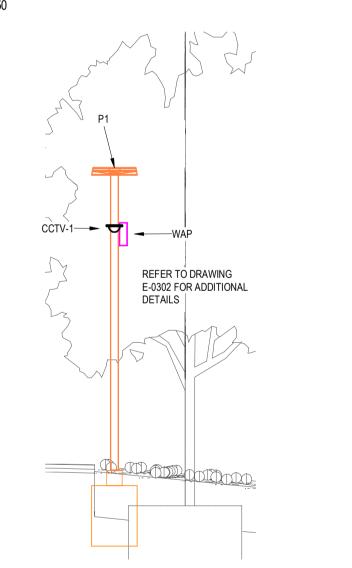
COORDINATE WITH SEATING SUPPLIER FOR THE INTEGRATION OF THE RECESSED POWER OUTLET

## L1 DETAIL

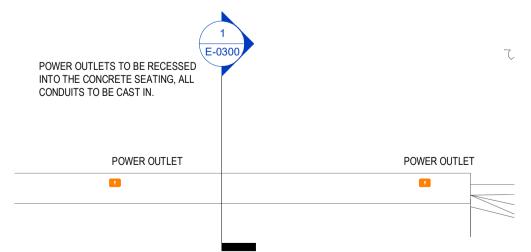


LIGHTING DETAIL
SCALE 1:50

## WL1 DETAIL SCALE 1:50



POLE LIGHTING DETAIL

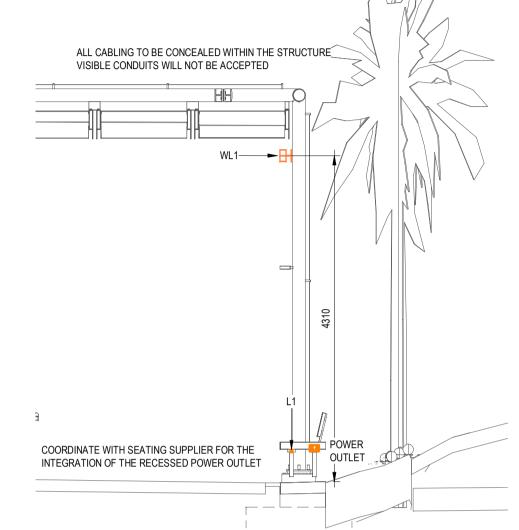


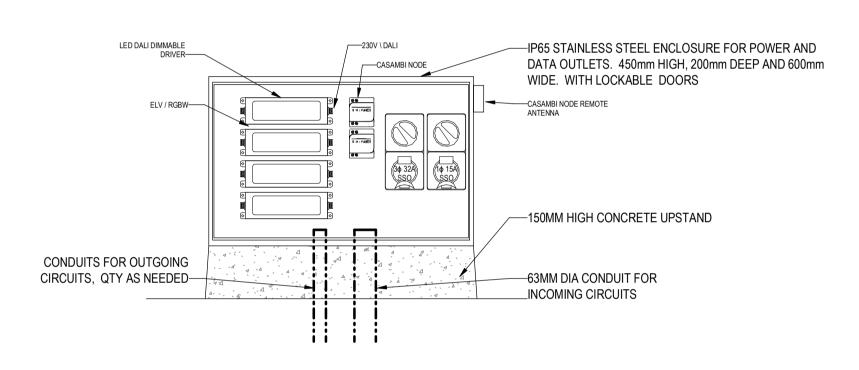
Client:

PUBLIC USE OUTLET DETAIL

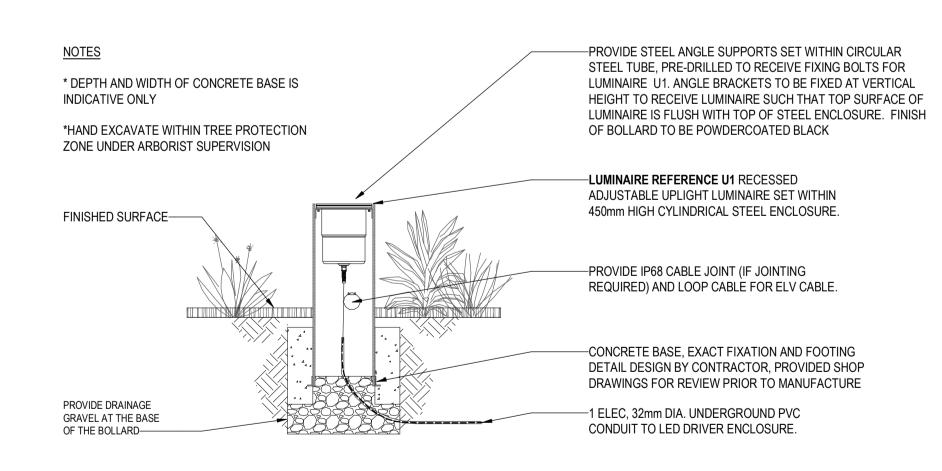
TYPICAL OUTLET FOR PUBLIC USE LEGRAND SOLIROC OR APPROVED EQUAL







### LED DRIVER TYPICAL ARRANGEMENT



### **U1 LUMINAIRE TYPICAL ARRANGEMENT**

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Architect:

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sydney@hassellstudio.com

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-ASYMMETRIC

OPTIC 3000K

EXTRA FORWARD

ASYMMETRIC EXTRA SIDE OPTIC 3000K

FORWARD FACING PATHWAY SIDE

ASYMMETRIC SIDE AND FORWARD OPTIC RGBW(3000K) **REAR FACING** 

P1 LUMINAIRE OPTICAL ARRANGEMENT

ASYMMETRIC

**EXTRA FORWARD** OPTIC 3000K-

LUMINA OPEN SPACE

SOUTHPORT, QLD 4215

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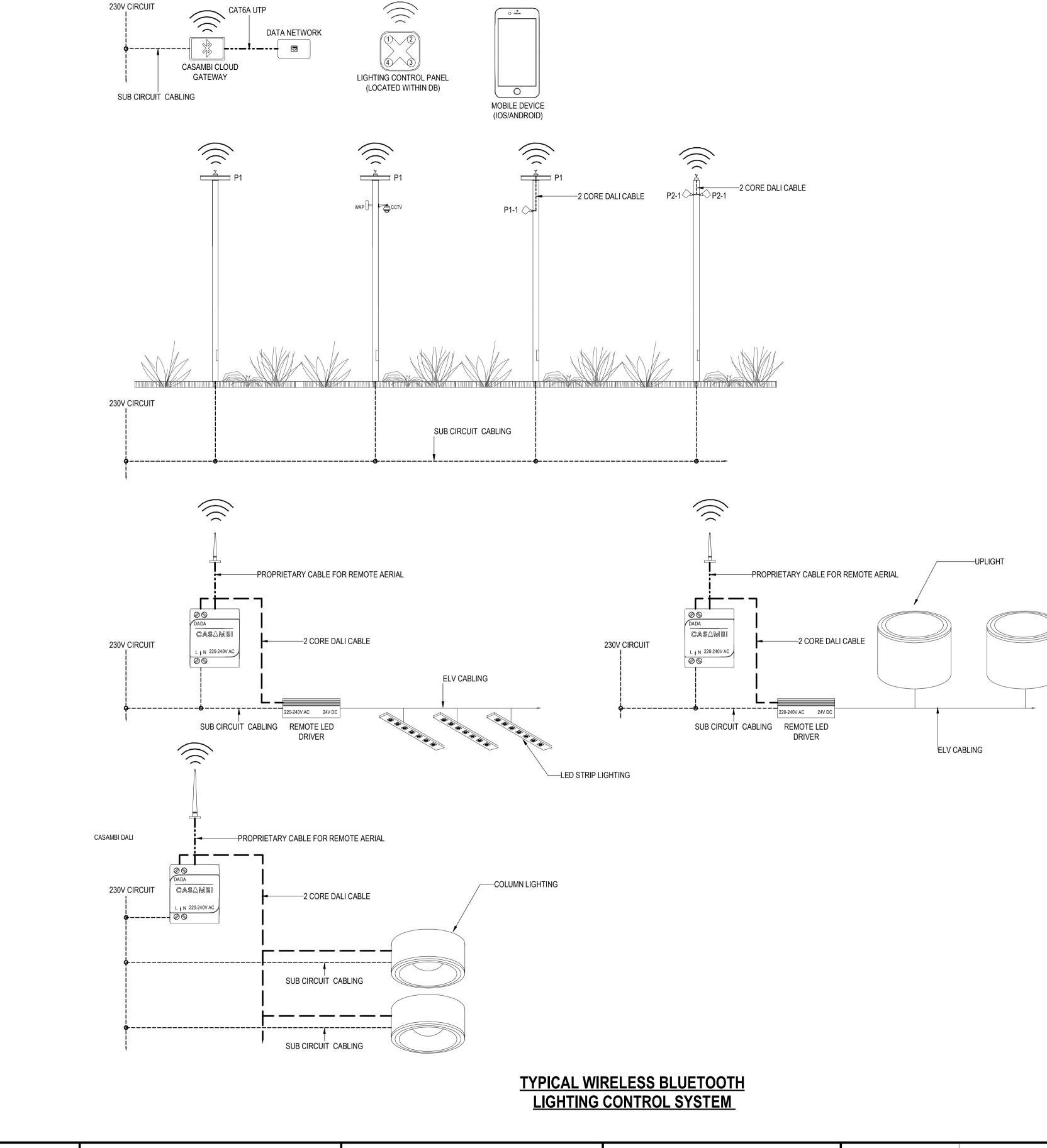
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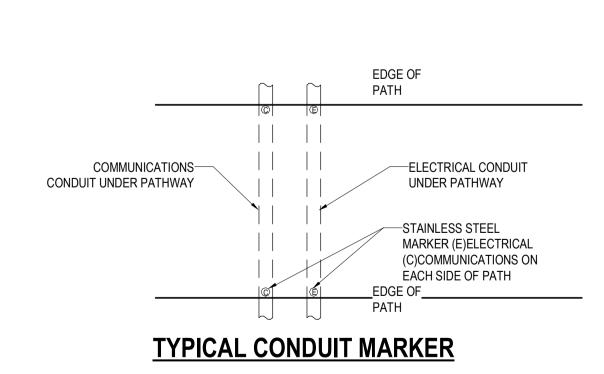
**DETAILS** 

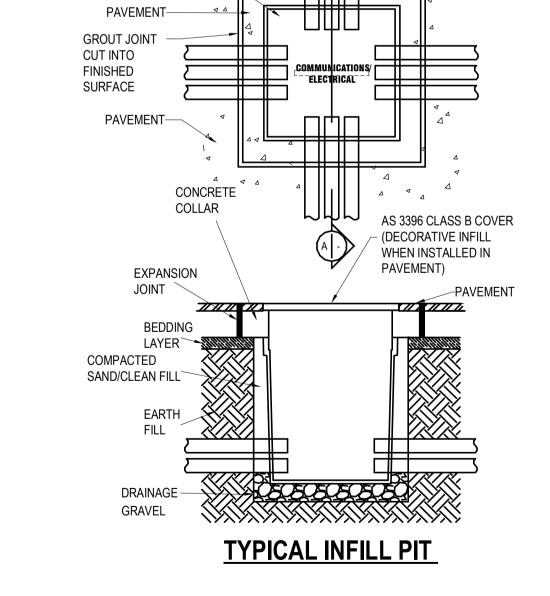
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N.T.S PLOT RATIO 1 / A1

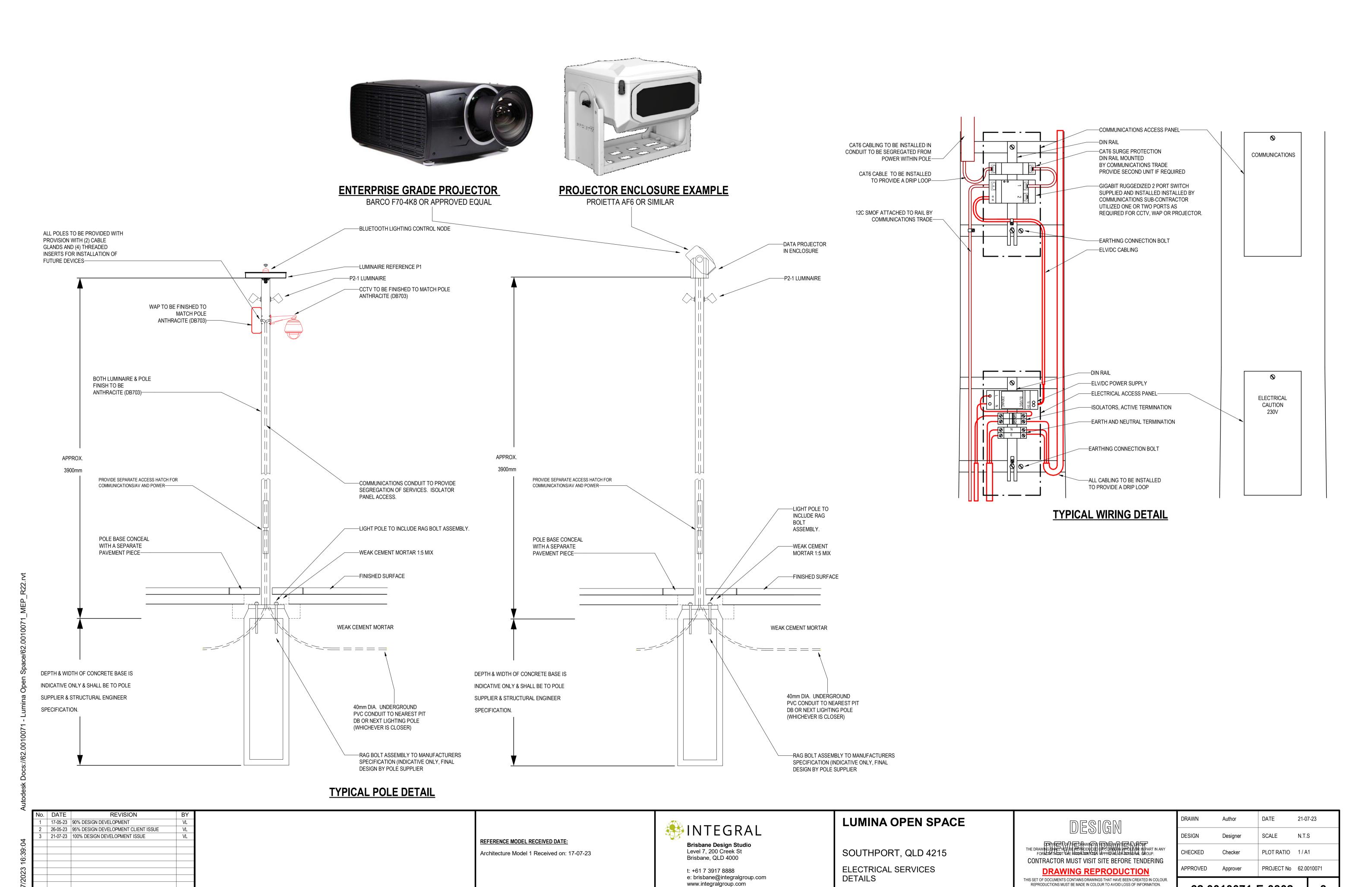






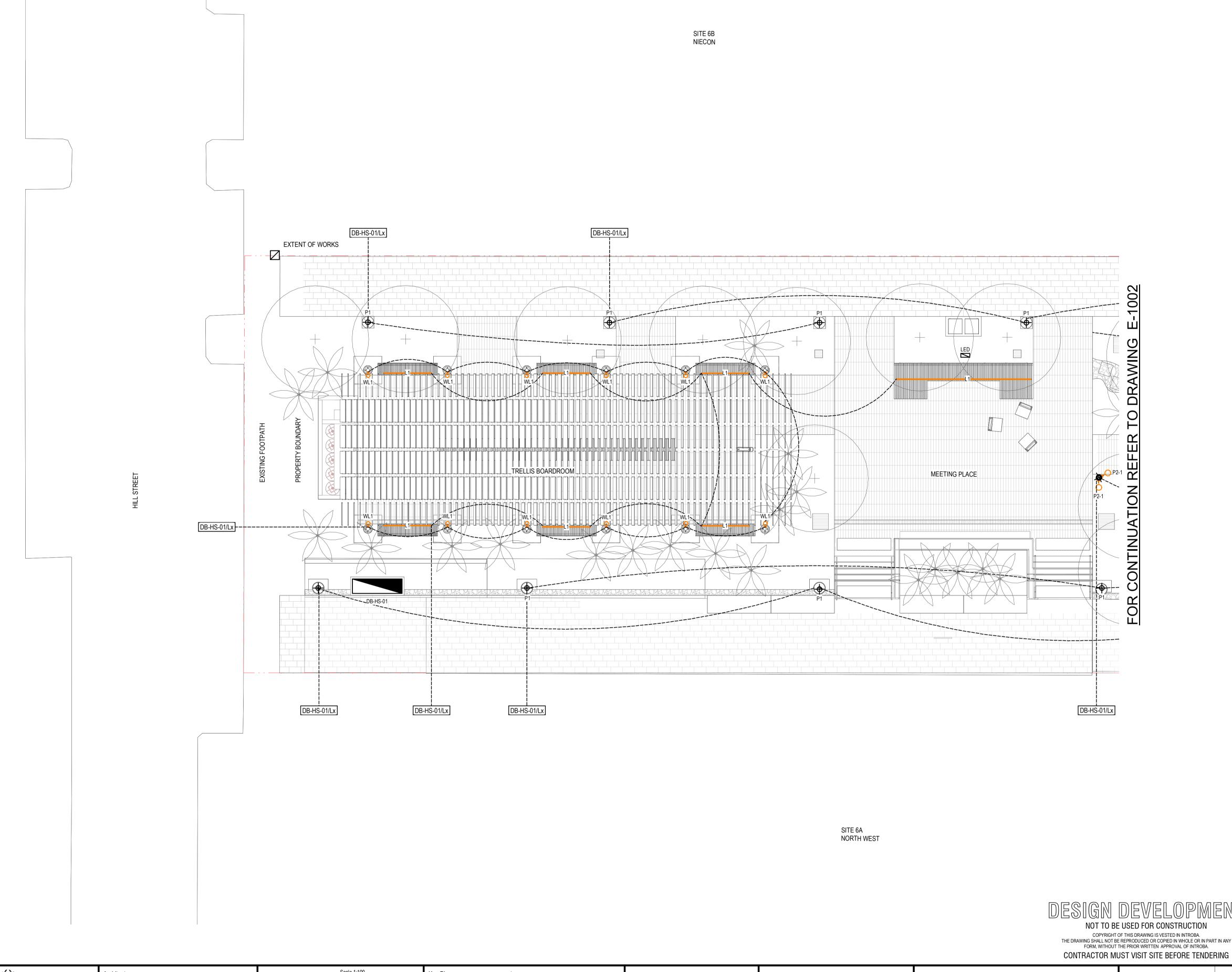
AS 3396 CLASS B COVER (DECORATIVE INFILL WHEN INSTALLED IN PAVEMENT)

No.         DATE         REVISION         BY           1         17-05-23         90% DESIGN DEVELOPMENT         VL           2         26-05-23         95% DESIGN DEVELOPMENT CLIENT ISSUE         VL           3         21-07-23         100% DESIGN DEVELOPMENT ISSUE         VL		₩INTEGRAL	LUMINA OPEN SPACE	DESIGN	DRAWN DESIGN	Author  Designer		21-07-23 N.T.S
	REFERENCE MODEL RECEIVED DATE:  Architecture Model 1 Received on: 17-07-23	Brisbane Design Studio Level 7, 200 Creek St Brisbane, QLD 4000	SOUTHPORT, QLD 4215 ELECTRICAL SERVICES	CONTRIGHT OF THIS DRAWNGS VESTIED WATTEGRAL GROUP.  THE DRAWNG SHAFT NOT BE REPRODUCED OR CORROWN WHOLE OR IN PART IN ANY FORM HOUT THE PRIOR WINDEN UPPROVIDED INTEGRAL GROUP.  CONTRACTOR MUST VISIT SITE BEFORE TENDERING	CHECKED	Checker	PLOT RATIO  PROJECT No	1 / A1
		t: +61 7 3917 8888 e: brisbane@integralgroup.com www.integralgroup.com Registered: Integral Group Queensland Pty Ltd - ABN 91 142 668 773	DETAILS	DRAWING REPRODUCTION  THIS SET OF DOCUMENTS CONTAINS DRAWINGS THAT HAVE BEEN CREATED IN COLOUR. REPRODUCTIONS MUST BE MADE IN COLOUR TO AVOID LOSS OF INFORMATION.  FOR BLACK & WHITE PRINTING PLEASE CONTACT INTEGRAL GROUP FOR A REVISED SET OF BLACK & WHITE SPECIFIC DOCUMENTS.			-E-0301	ĺ



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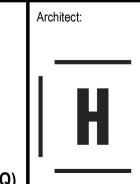
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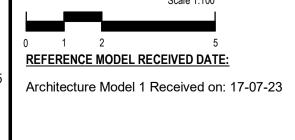


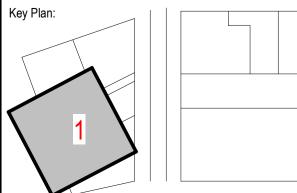
ELECTRICAL SERVICES DATE 21-07-23 DRAWN LIGHTING LAYOUT SHEET 1 DESIGN DDS 1:100 @A1 SCALE PLOT RATIO 1 / A1 CHECKED APPROVED PROJECT No 62.0010071 **DRAWING REPRODUCTION** THIS SET OF DOCUMENTS CONTAINS DRAWINGS THAT HAVE BEEN CREATED IN COLOUR. REPRODUCTIONS MUST BE MADE IN COLOUR TO AVOID LOSS OF INFORMATION. 62.0010071-E-1001

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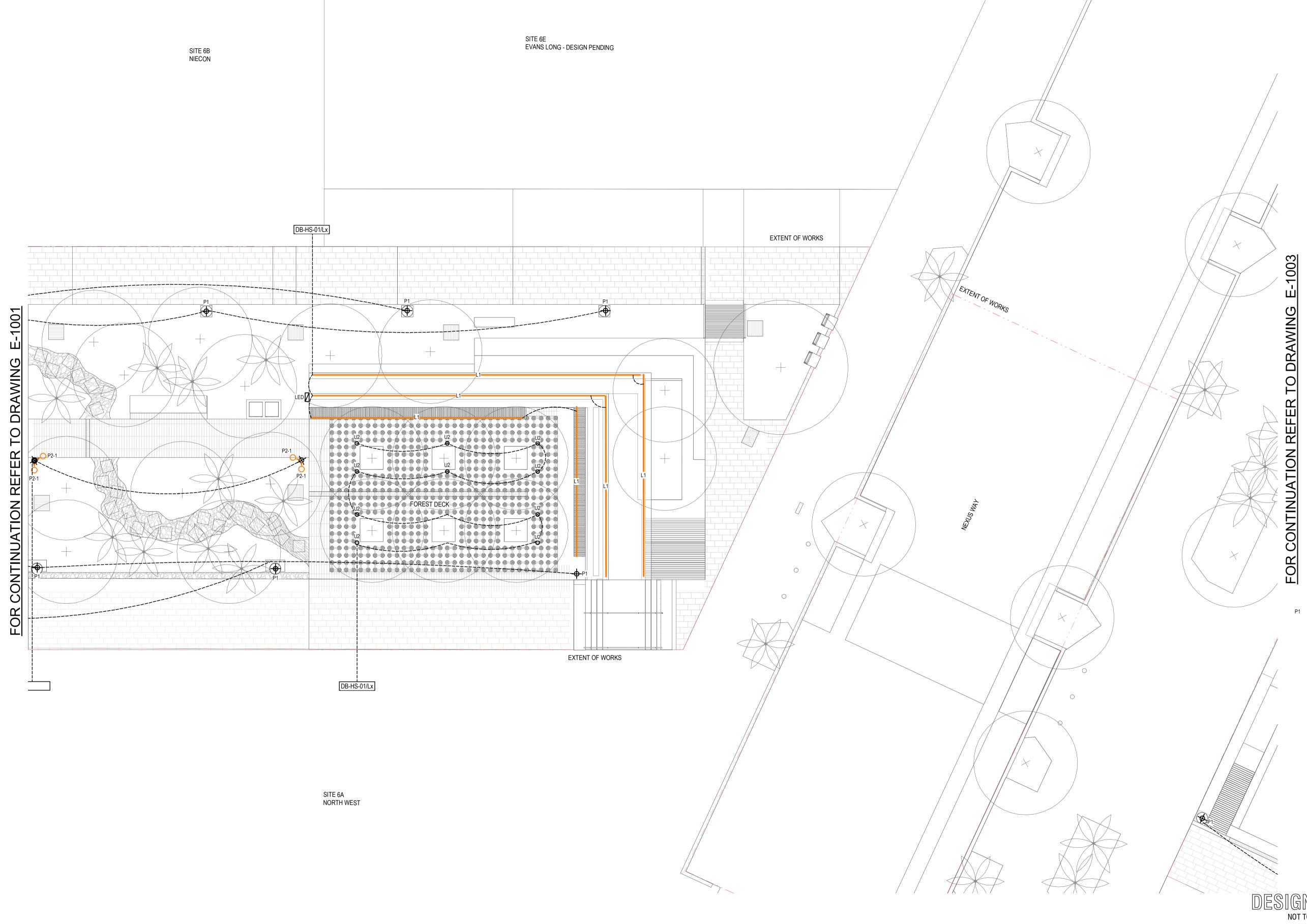
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LUMINA OPEN SPACE SOUTHPORT, QLD

4215

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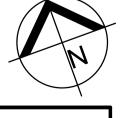




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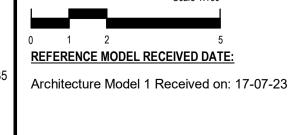


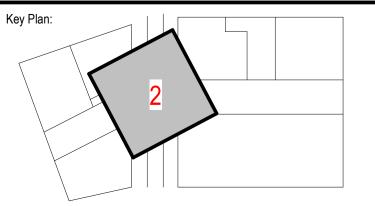
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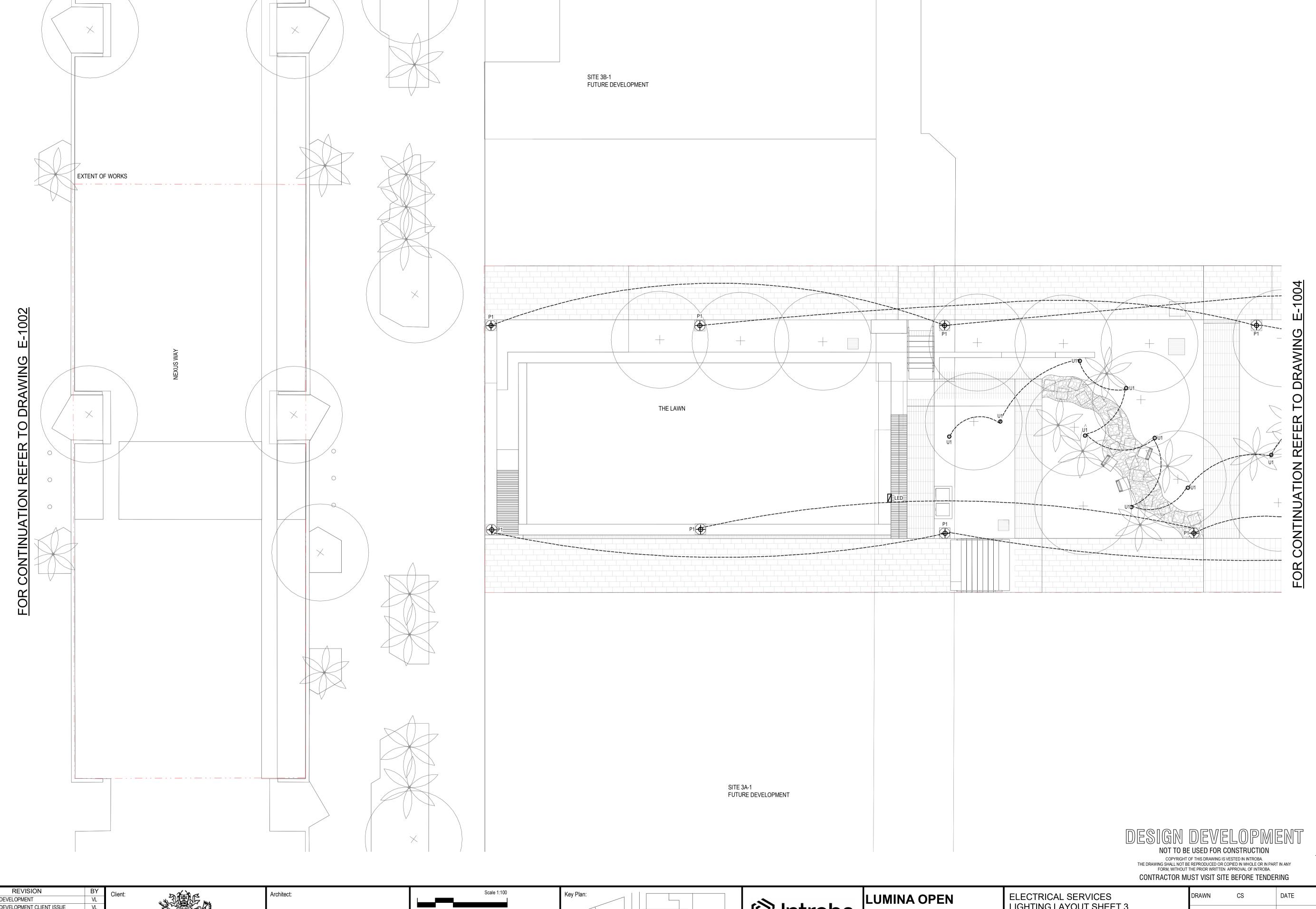
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SOUTHPORT, QLD

ELECTRICAL SERVICES
ELECTRICAL SERVICES
LICHTING LAVOUT CHEET 2
LIGHTING LAYOUT SHEET 2

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ING LAYOUT SHEET 2	DESIGN	DDS	SCALE	1 : 100 @A1
	CHECKED	-	PLOT RATIO	1 / A1
DRAWING REPRODUCTION	APPROVED	-	PROJECT No	62.0010071

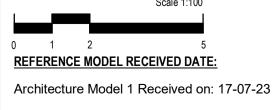
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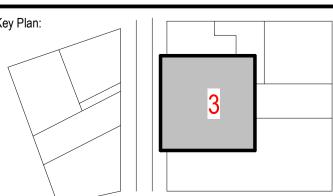


No. DATE 17-05-23 90% DESIGN DEVELOPMENT 26-05-23 95% DESIGN DEVELOPMENT CLIENT ISSUE 21-07-23 100% DESIGN DEVELOPMENT ISSUE

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ILUMINA OPEN
SPACE

SOUTHPORT, QLD

ELECTRICAL SERVICES LIGHTING LAYOUT SHEET 3
LIGHTING LAYOUT SHEET 3

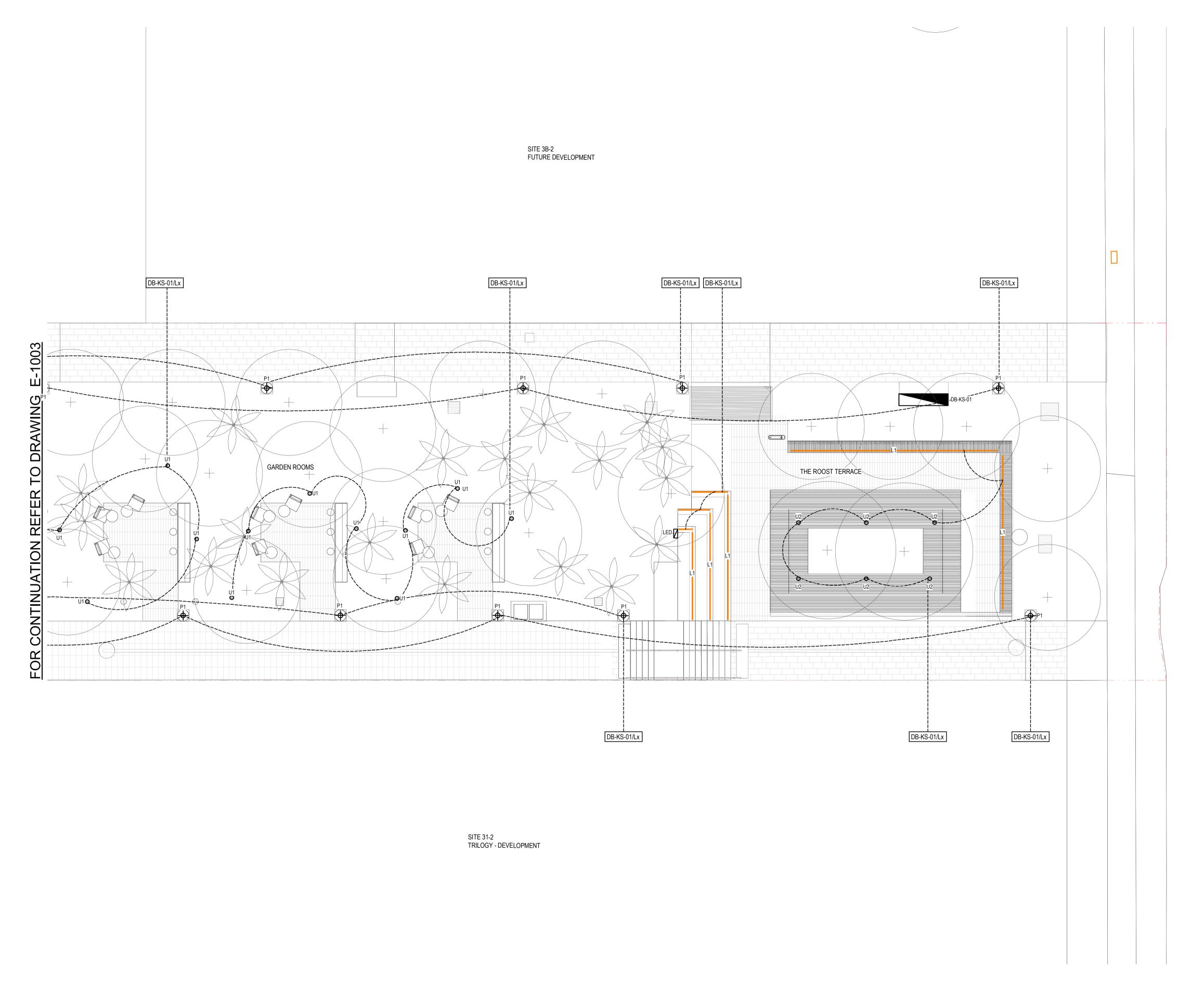
TRICAL SERVICES	
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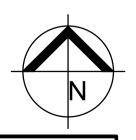
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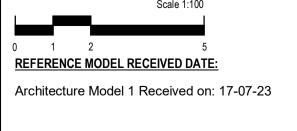


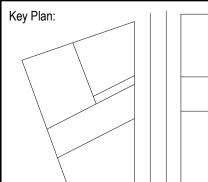
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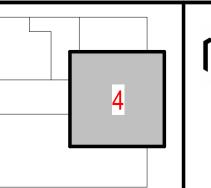
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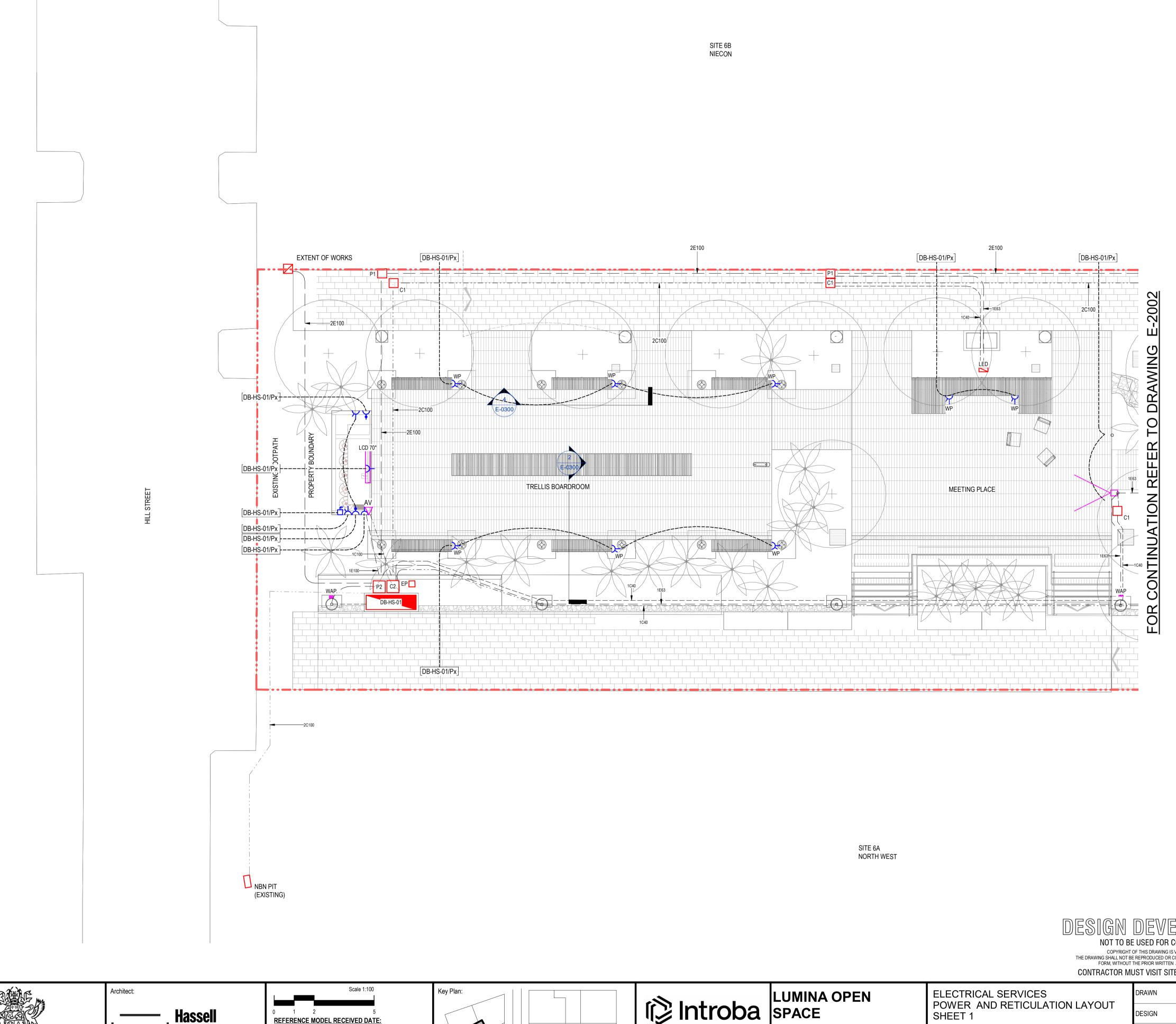
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ELECTRICAL SERVICES	
LIGHTING LAYOUT SHEET 4	

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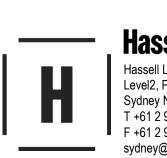
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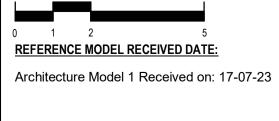


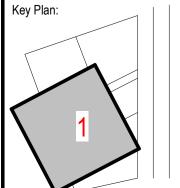
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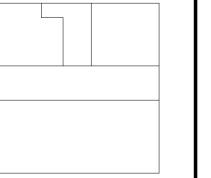
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	POWER AND RETICULATION SHEET 1
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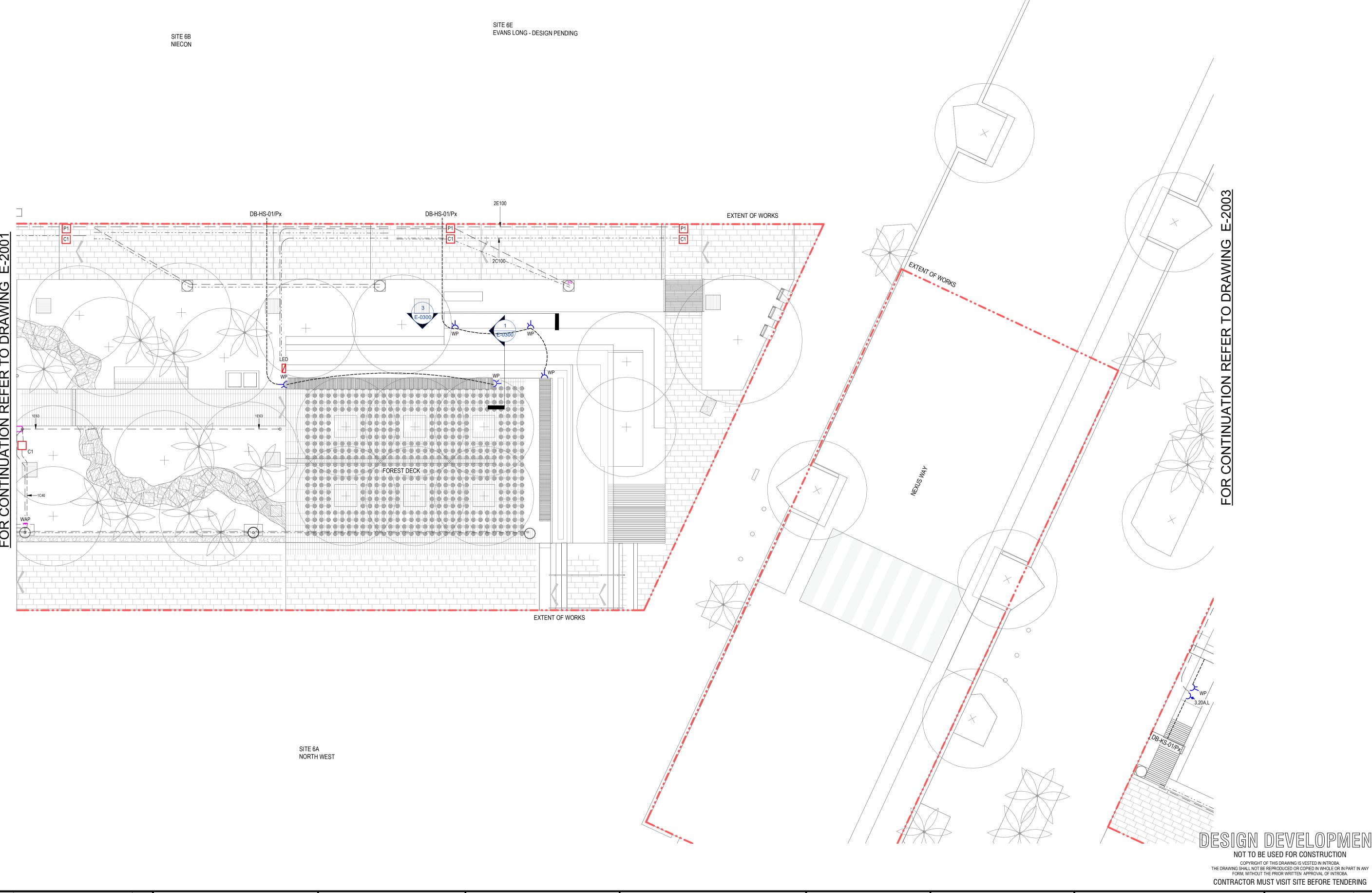
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ELECTRICAL SERVICES POWER AND RETICULATION LAYOUT SHEET 1

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	DESIGN	DDS	SCALE	1 : 100 @A1
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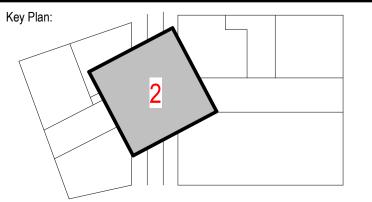


REVISION 06-04-23 50% DESIGN DEVELOPMENT DRAFT 18-04-23 50% DESIGN DEVELOPMENT 17-05-23 90% DESIGN DEVELOPMENT 26-05-23 95% DESIGN DEVELOPMENT CLIENT ISSUE 21-07-23 100% DESIGN DEVELOPMENT ISSUE **Economic Development Queensland (EDQ)** 

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REFERENCE MODEL RECEIVED DATE: Architecture Model 1 Received on: 17-07-23





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ELECTRICAL SERVICES POWER AND RETICULATION LAYOUT
POWER AND RETICULATION LAYOUT
SHEET 2

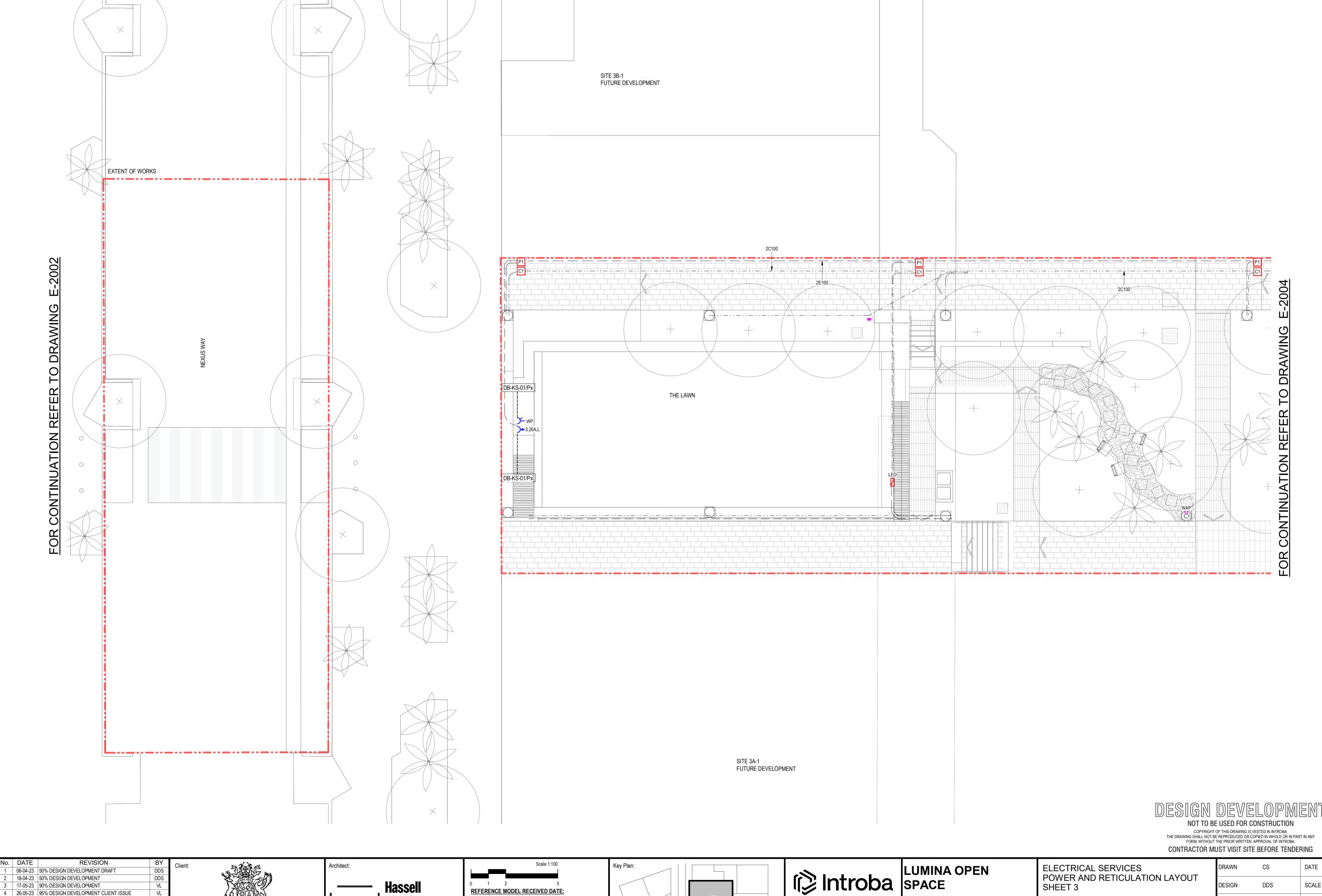
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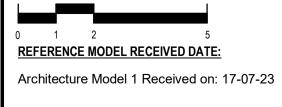


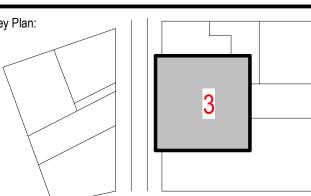
21-07-23 100% DESIGN DEVELOPMENT ISSUE

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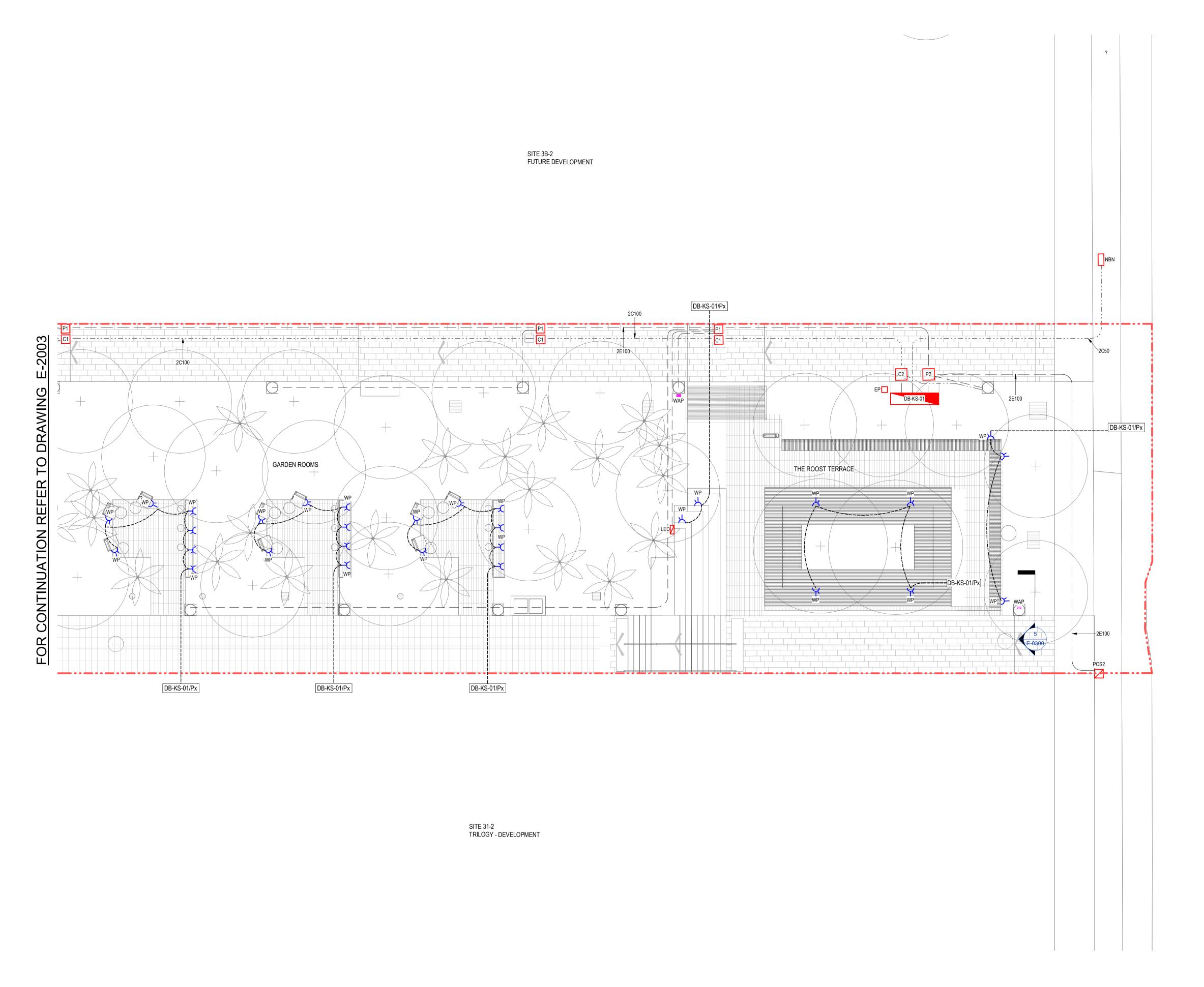
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SHEET 3

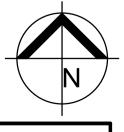
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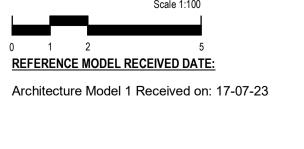


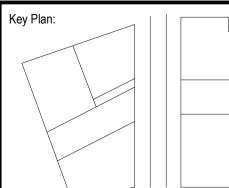
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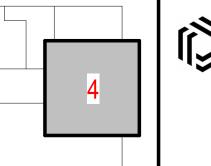
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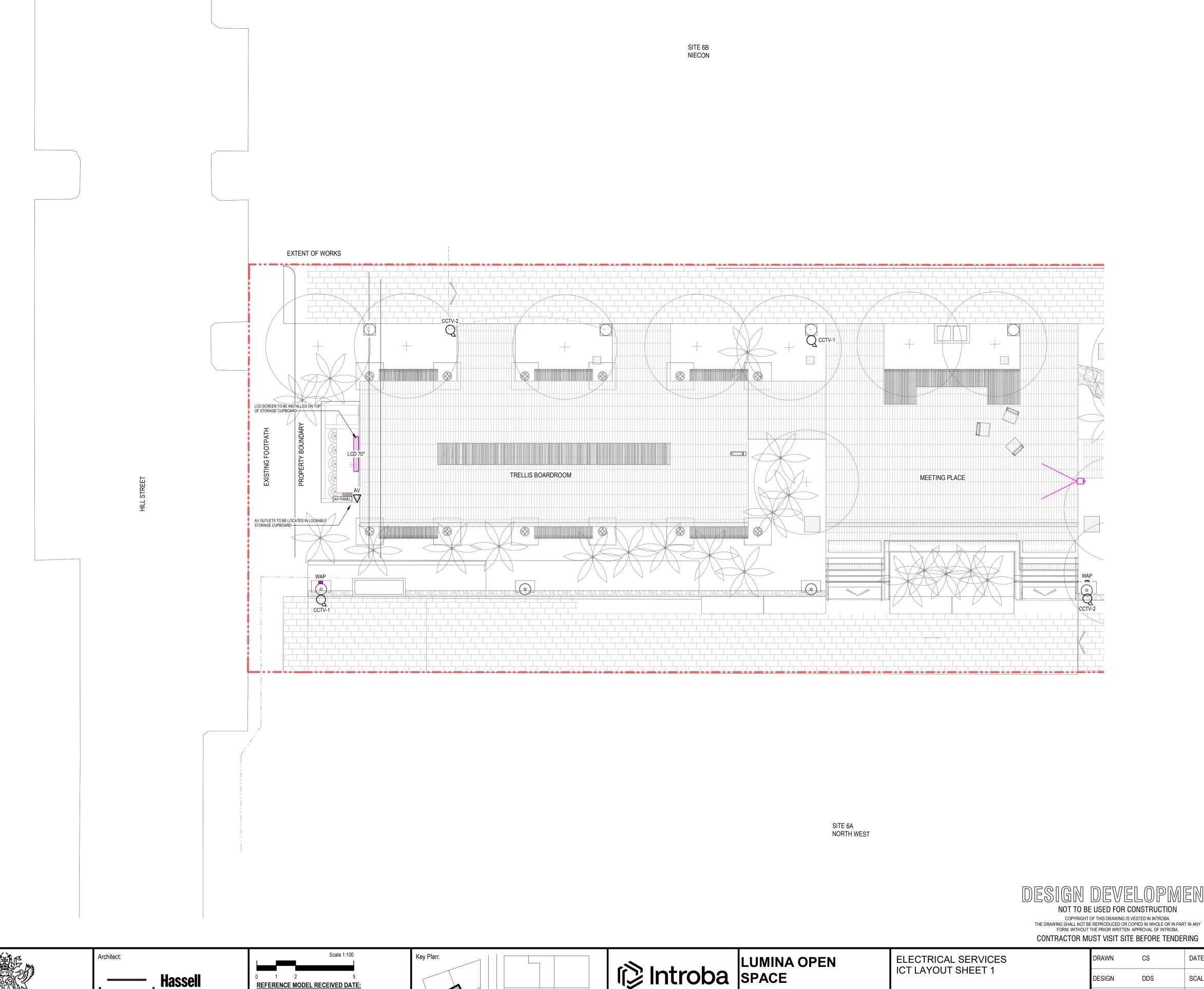
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ELECTRICAL SERVICES
POWER AND RETICULATION LAYOUT
SHEET 4

**DRAWING REPRODUCTION** 

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	DESIGN	DDS	SCALE	1 : 100 @A1
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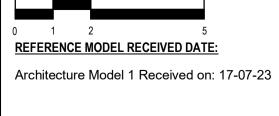
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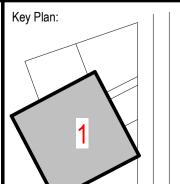
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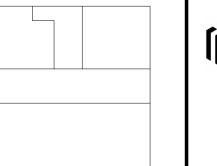
26-05-23 95% DESIGN DEVELOPMENT CLIENT ISSUE

21-07-23 100% DESIGN DEVELOPMENT ISSUE

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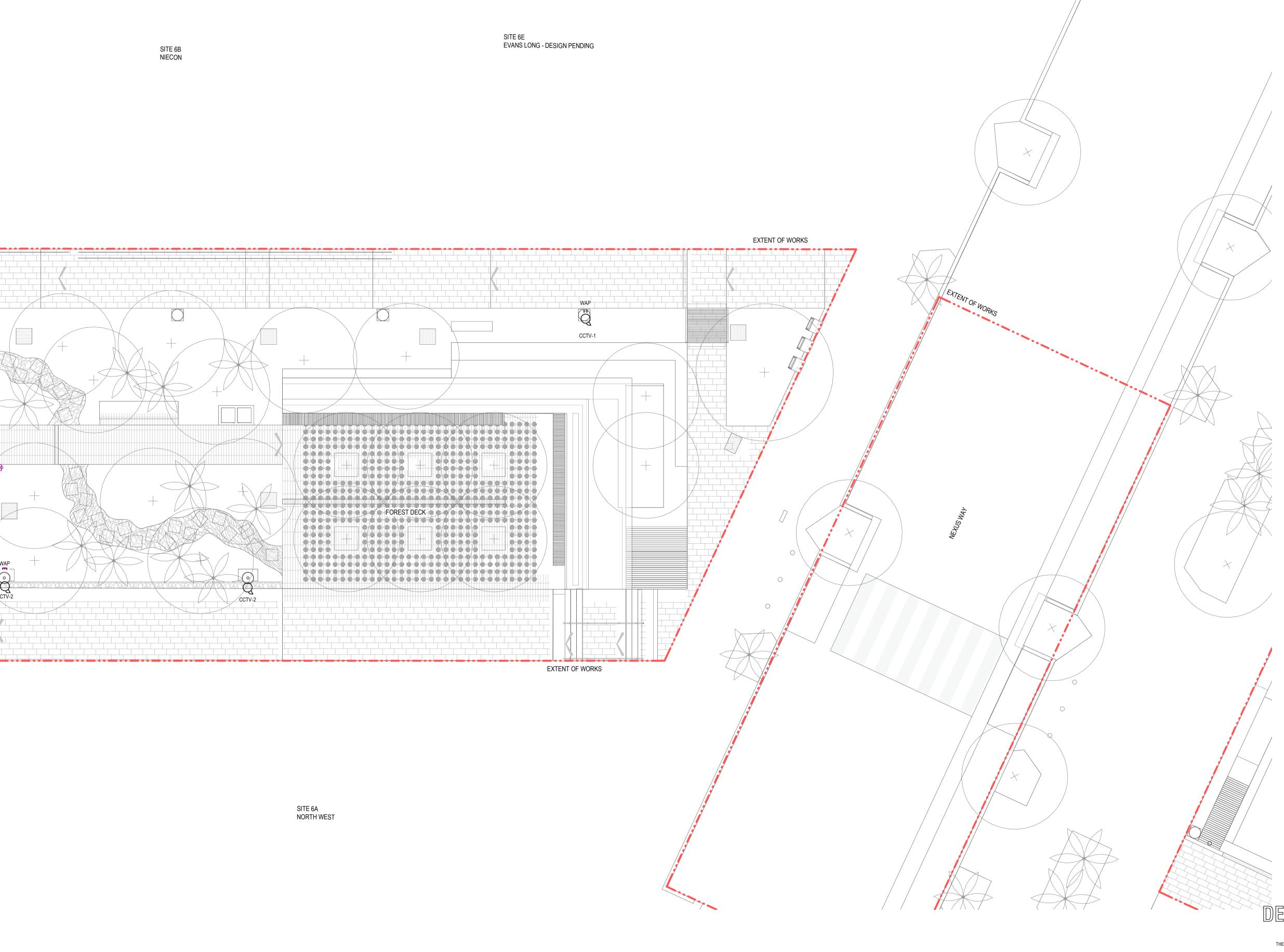
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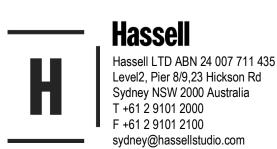
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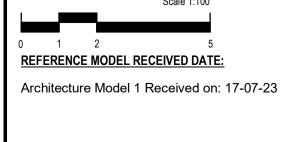
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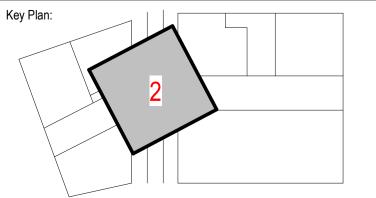


REVISION No. DATE 17-05-23 90% DESIGN DEVELOPMENT 26-05-23 95% DESIGN DEVELOPMENT CLIENT ISSUE 21-07-23 100% DESIGN DEVELOPMENT ISSUE Government **Economic Development Queensland (EDQ)** 











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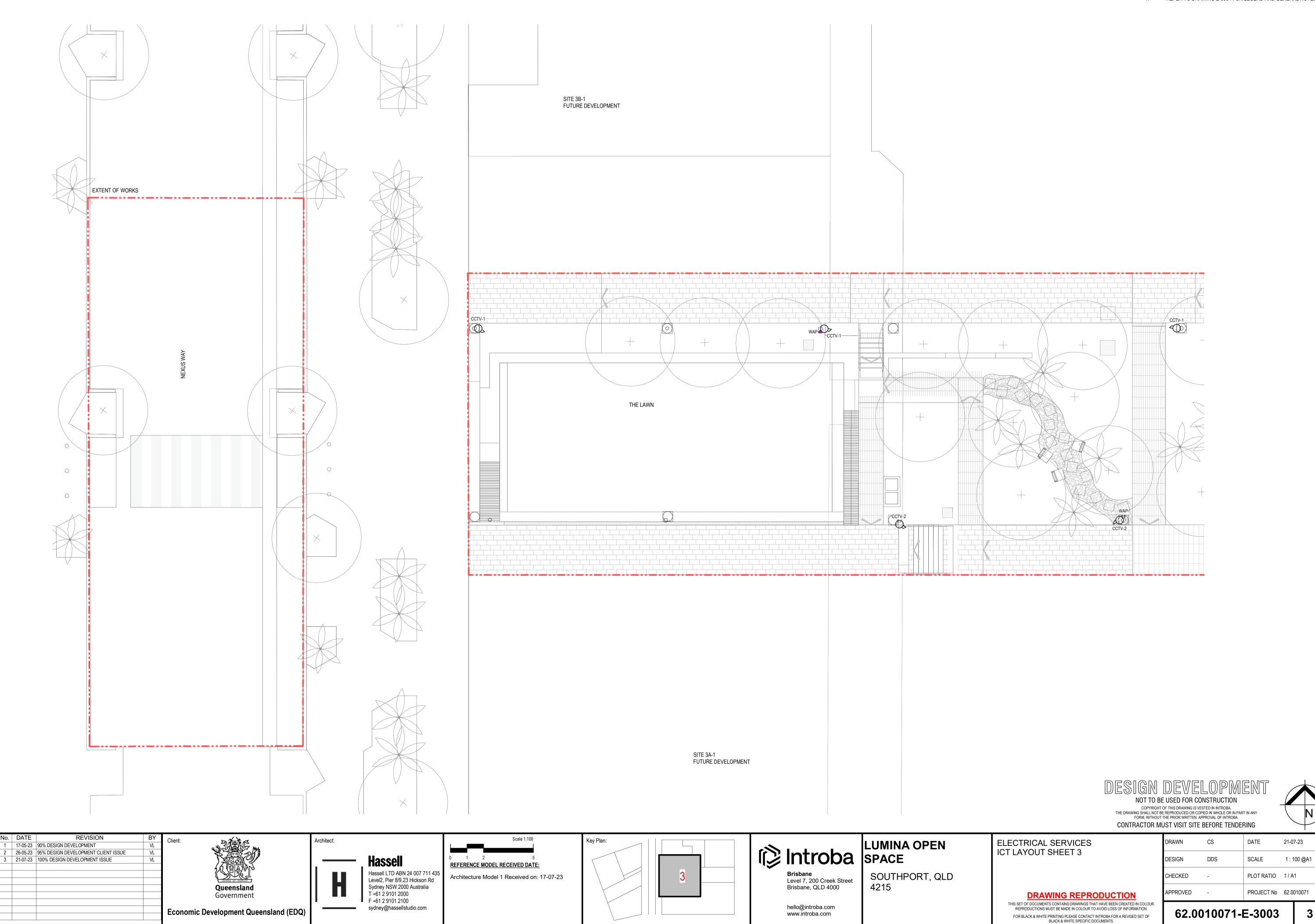
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ELECTRICAL SERVICES ICT LAYOUT SHEET 2	

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SITE 31-2 TRILOGY - DEVELOPMENT

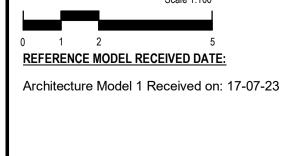
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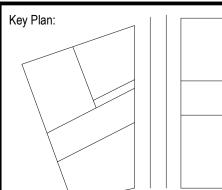
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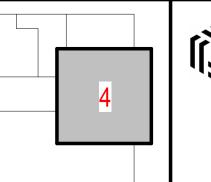
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ELECTRICAL SERVICES	
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