













ELECTRICAL LEGEND

-  Switched Floor Box - ECD 2002 stainless steel
-  Pop-up GPO - Hafele Point Pod
-  Double GPO - Hager Finesse 300AFL
-  External double GPO - Clipsal iconic 600AFL
-  Dedicated circuit - 1 Phase - 20A supply
-  Dedicated circuit - 3 Phase - 32A supply
-  EV Charger (3 Phase 11 KW 10mm2 cable req.) 1200AFL
-  Automation DB - Built Boards BB09
-  Meter box as req.
-  Denotes power circuit arrangement

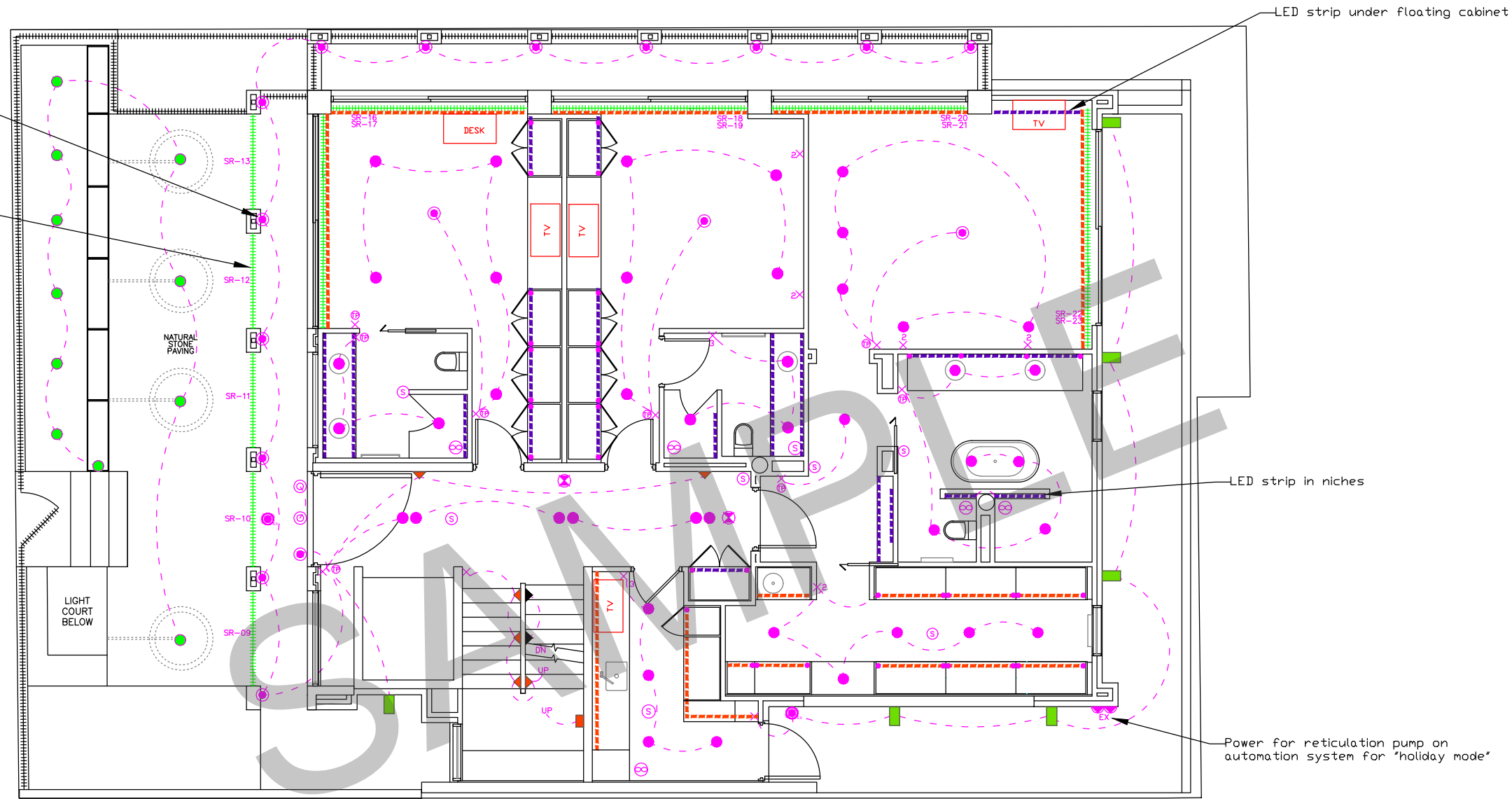
First Electrical
SCALE 1:100

FOR CONSTRUCTION

JOB No: 3999	REV: 1	<small>THESE DRAWINGS ARE SUBJECT TO COPYRIGHT AND REMAIN THE SOLE PROPERTY OF ELECTRALIFE P/L</small>
Drawing: First Floor Electrical	Drawn By: JC	
Scale: As Shown	Date: 01/01/23	
PROJECT: NEW RESIDENCE 100 Green Street Melbourne VIC 3000		
<small>www.electralife.com.au - (03) 7035 6280 - 5/195 Chesterville Rd, Moorabbin</small>		

All lights linked to automation will have timers and schedules integrated with sunset/sunrise (BDM data) automatic scheduling or manual control

External electric blinds



LIGHTING & BLINDS LEGEND

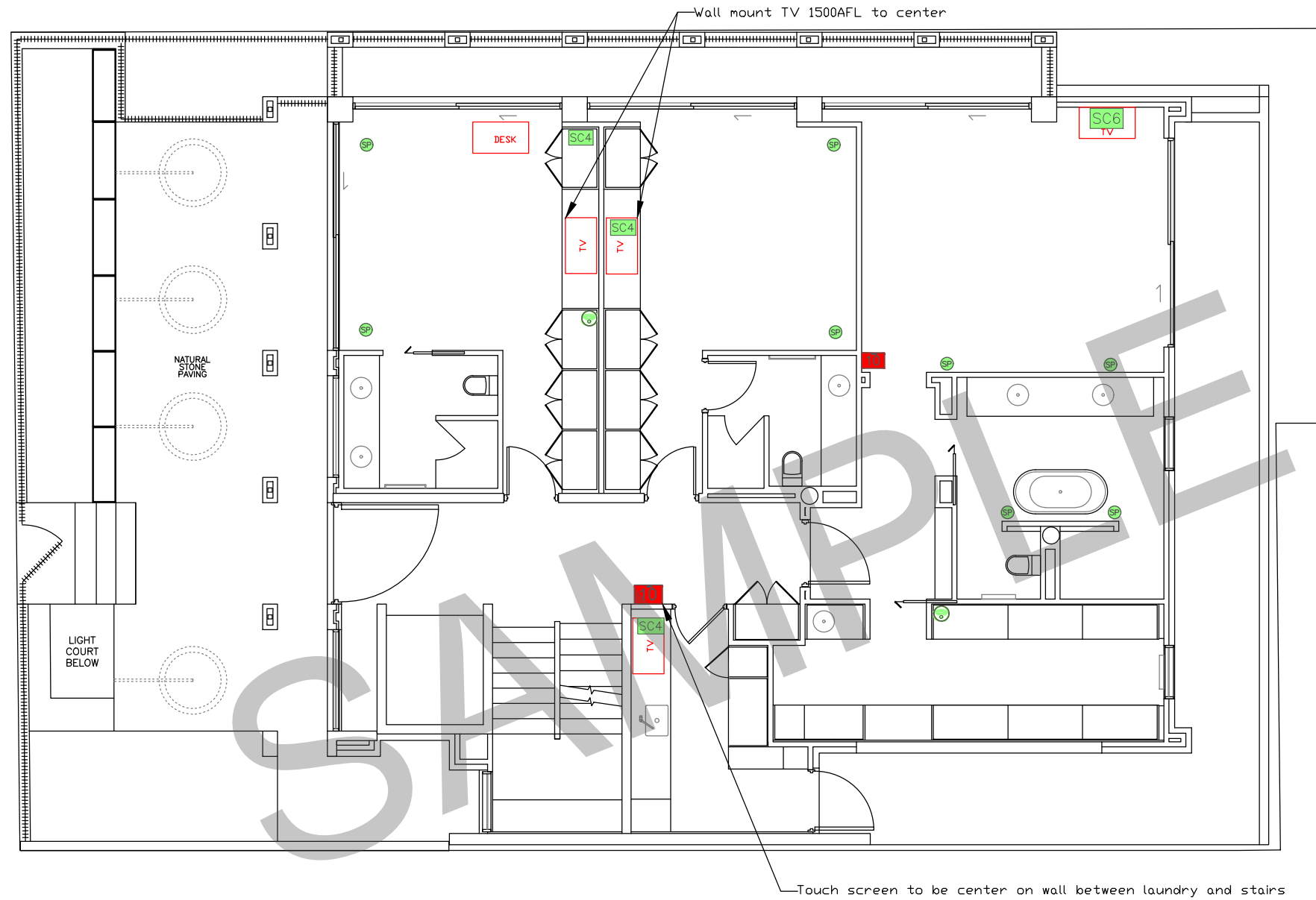
● DL-STD-FO Downlight - Standard	Ⓢ PIRL Sensor - CBUS Internal	● EQ Comfort - Unios
● PEND-FO Pendant - Standard	Ⓢ PIRL Sensor - CBUS External	● Shift In - Unios
⊕ WL-INT-FO Wall Lights - Internal	① Wall Switches - CBUS (number: plate size)	● Recessed LED Downlight - model TBC
⊖ WL-EXT-FO Wall Lights - External	Ⓢ Wall Switches - CBUS (touch panel - eDLT)	● Starlight - Unios
⊕ External twin flood light	Ⓢ SD240I-FO Smoke Detector, 240V interconnected - Fit-off	▲ Ovo Step Light - Unios
● In ground/floor up light - Havit HV110SS	Ⓢ EF-IL-FO Exhaust Fan - in-line - Fit-off	■ Tourmaline - Unios
Ⓢ Step light	— Concealed linear exhaust fan	■ Astro Wall Light - Unios
● TRACK-FO Track lighting - Per Meter	SDx.x Switch-Dim actuator channel (LED strip)	■ Onyx Wall Light - Unios
■ Dali LED Panel light - EV112	DAx.x DALI line address	● Onyx Double Spotlight - Unios
■ EM Panel light	Rx.x Relay channel	Ⓢ Eclipse GS35 30W - Unios
● EM Spitfire light	SRx.x Shutter Relay channel (blind/curtain)	— 24VDC LED Strip - E-Glow
— LEDSTRIP-24-FO LED Strip - 24VDC - Per Meter	++++ Electric curtain	— 24VDC LED Strip - E-Glow (dimnable)
— Automation Lighting cable		● Garden Light - model TBC (5w typ.)

First Lighting & Blinds control

SCALE 1:100

FOR CONSTRUCTION

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Drawing: First Floor LBA	Drawn By: JC	
Scale: As Shown	Date: 01/01/23	
PROJECT:		
NEW RESIDENCE 100 Green Street Melbourne VIC 3000		
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NETWORK, UI & AV LEGEND

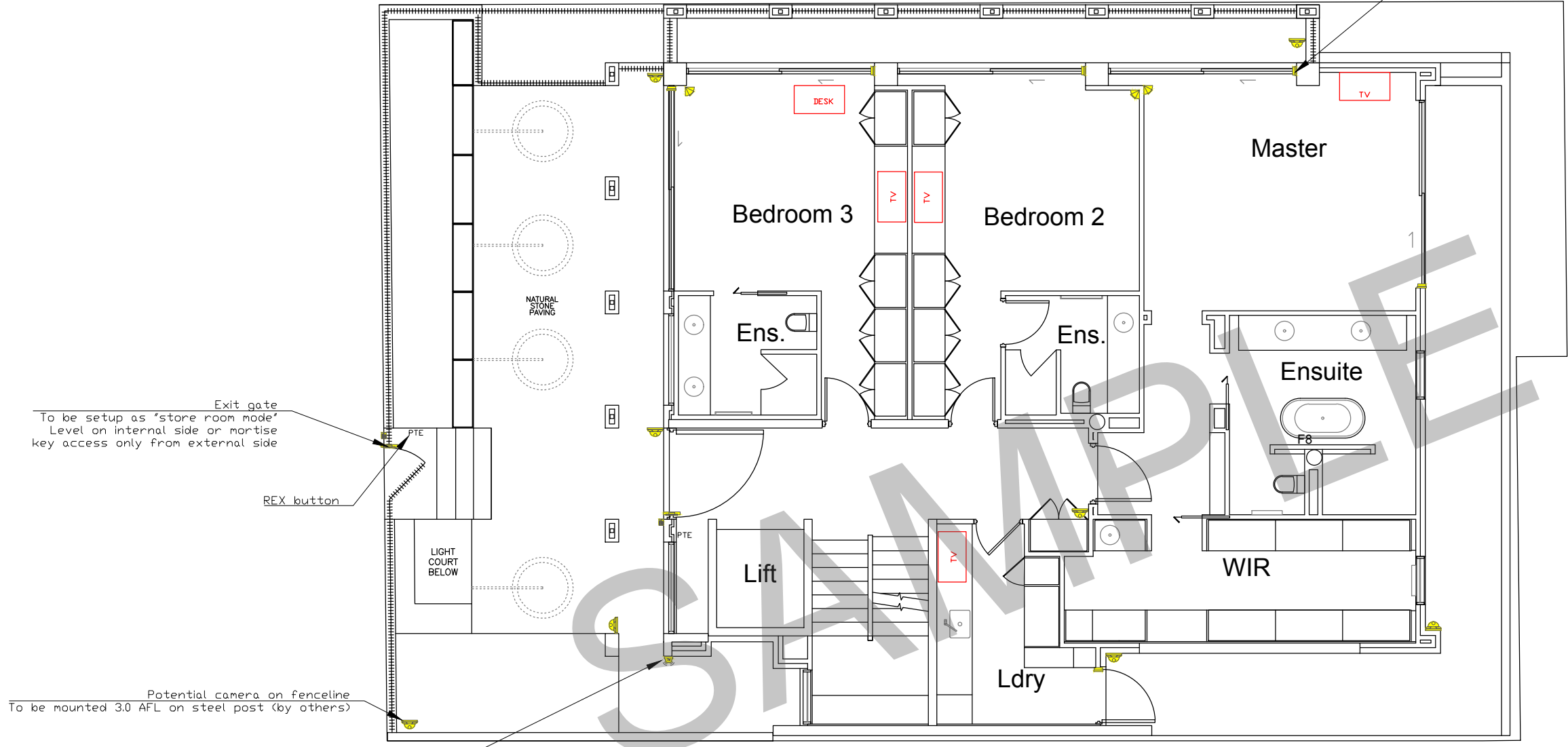
	Structured Cabling Point 2 (2 x CAT 6 UTP)		Control4 T4 Touch screen (10")
	Structured Cabling Point 4 (2 x CAT 6 UTP & 1 x RG6 QUAD)		Control4 T4 Touch screen (8")
	Structured Cabling Point 6 (3 x CAT 6 UTP & 3 x RG6 QUAD)		Control4 DS2 Intercom
	Technology Hub/Rack - 42RU Black		Heatmiser NEO Thermostat
	Wi-Fi 6 Access Point - Araknis 520 series		Remote Temp sensor for thermostat
	In-ceiling speaker - 8" - Signature 7 Series		Coolplug AC control zone
	In-wall speaker - Sonance IC800		
	Invisible speaker - Sonance IS4		
	In-ground Subwoofer - Paradigm IGS10		
	Video projector - Sony VPL-VW-590ES		
	2x 4K HDMI - Kordz PRS4		
	TV in-ceiling (hinge Lift) - Ultralift Spartan series for 65"		
	Free-to-air antenna location - 1x RG6 COAX		
	Foxtel satellite dish location - 4x RG6 COAX		

First floor network,
User Interface & AV
SCALE 1:100

FOR CONSTRUCTION

JOB No: 3999	REV: 1	<small>THESE DRAWINGS ARE SUBJECT TO COPYRIGHT AND REMAIN THE SOLE PROPERTY OF ELECTRALIFE P/L</small>
Drawing: First floor NET, UI & AV	Drawn By: JC	
Scale: As Shown	Date: 01/01/23	
PROJECT:		
NEW RESIDENCE 100 Green Street Melbourne VIC 3000		
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All reed switches to be 'dual state' monitoring with 2x EOL resistors



Alternate external siren location

SECURITY, ACCESS & CCTV LEGEND

	Internal Security keypad (alarm) Elite X @1500AFL - 6-core 14 x 0.020 screened cable
	External Security keypad (access) SIFER @1500AFL - 6-core 14 x 0.020 screened cable
	CCTV Camera - Hikvision 8MP Turret with 2.8mm lens @3000AFL
	360° Security sensor (PIR motion) - Takex 3812E - 6-core 14 x 0.020 cable
	Corner Mount Security sensor (PIR motion) - Bosch WL112 - 6-core 14 x 0.020 cable
	Electric Latch - Lockwood ES2000 (monitored) - 6-core 14 x 0.020 cable
	External siren/srobe - 6-core 14 x 0.020 cable
	Reed Switch (door/window position sensor) - 6-core 14 x 0.020 cable
	Motor Control - 6-core 14 x 0.020 cable
	RF Receiver transmitter (access control) - Inner Range RTX - 6-core 14 x 0.020 screened cable
	Control cable - 6-core 14 x 0.020
	Internal screamer (flush mount) - 6-core 14 x 0.020 cable
	Push to exit button (REX) - 6-core 14 x 0.020 cable

SECURITY - ACCESS CONTROL: INPUTS & OUTPUTS

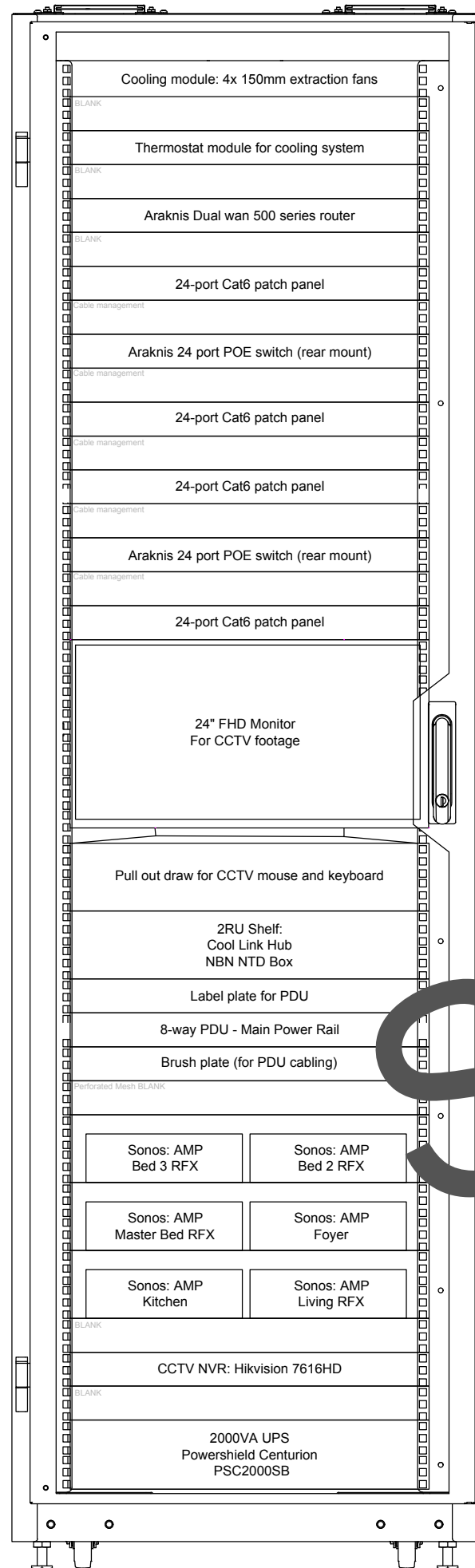
<p>INPUTS:</p> <ul style="list-style-type: none"> 1 - Basement PIR 2 - Basement PED entry door reed 3 - Basement sewer pump alarm input 4 - Basement storm water pump alarm input 5 - Smoke detector isolation unit input 6 - Lift integration (may need more inputs) 7 - Ground floor PED gate reed 8 - Ground floor VEH gate reed 9 - Media PIR 10 - Bedroom 4 PIR 11 - Study PIR 12 - Ground floor front door reed 13 - Ground floor front door PTE 14 - Ground floor PED gate PTE 15 - First floor PED gate reed 16 - First floor PED gate PTE 17 - First floor front door reed 18 - First floor front door PTE 19 - First floor entry PIR 20 - Bedroom 3 PIR 	<ul style="list-style-type: none"> 21 - Bedroom 3 west door reed 22 - Bedroom 3 north door reed 23 - Bedroom 2 north door reed 24 - Bedroom 2 PIR 25 - Master Bedroom north door reed 26 - Matser Bedroom east door reed 27 - Master Bedroom PIR 28 - Laundry door reed 29 - Srcond floor landing PIR 30 - Kitchen: spare wire for future PIR 31 - Rooftop external door reed 	<p>OUTPUTS:</p> <ul style="list-style-type: none"> 1 - Basement PED entry door latch 2 - Basement screamer 3 - Ground Floor VEH gate motor control 4 - Ground Floor PED gate latch 5 - Ground floor siren (1) 6 - Ground Floor screamer 7 - Ground Floor front door latch 8 - First floor PED gate latch 9 - First floor front door latch 10 - First floor siren (2) 11 - Lift integration (may need more outputs) 12 - Second floor screamer
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First floor security

SCALE 1:100

FOR CONSTRUCTION

JOB No: 3999	REV: 1	<small>THESE DRAWINGS ARE SUBJECT TO COPYRIGHT AND REMAIN THE SOLE PROPERTY OF ELECTRALIFE P/L</small>
Drawing: First floor security	Drawn By: JC	
Scale: As Shown	Date: 01/01/23	
PROJECT: NEW RESIDENCE 100 Green Street Melbourne VIC 3000		
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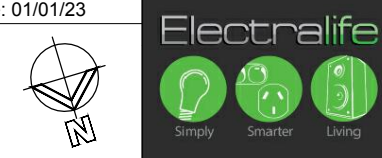
Network and A/V Enclosure:

- 42 x 19" rack units
- 800mm deep
- 600mm wide
- Glass front door
- Removable back panel
- Main PDU to be complete with "Master off switch" for client troubleshooting
- External ventilation required if installed in dedicated cupboard or the same room as other high heat elements (eg: solar inverter)
- Must not be installed within water utility room (hot water units)
- Heavy items must be installed at the bottom of cabinet to prevent tipping
- To be installed with high density castor wheels
- To be kept dust free prior to commissioning and handover
- Must be lockable, 1x set of keys for client and 1x set for builder

SAMPLE

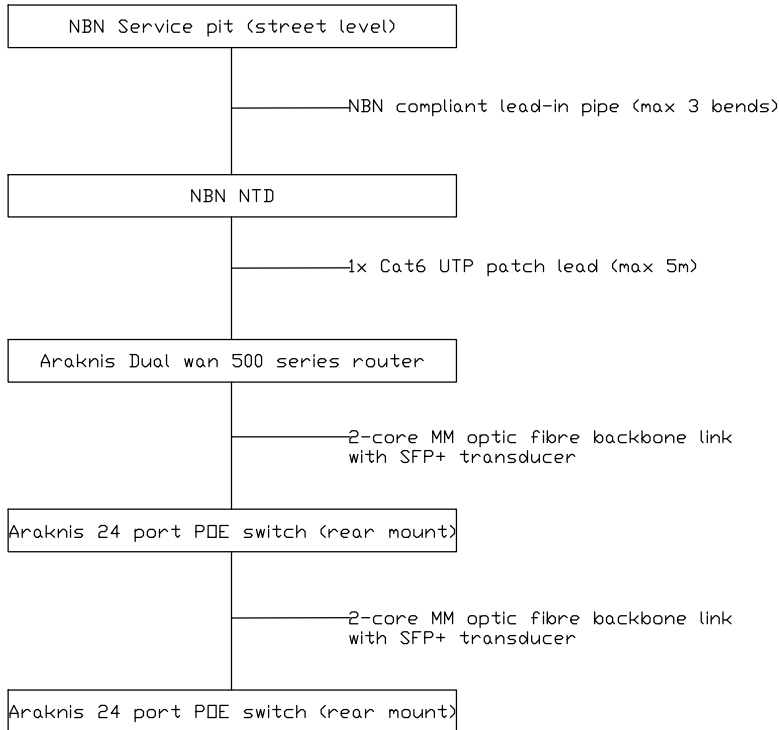
Network and A/V Enclosure elevation SCALE 1:100

FOR CONSTRUCTION

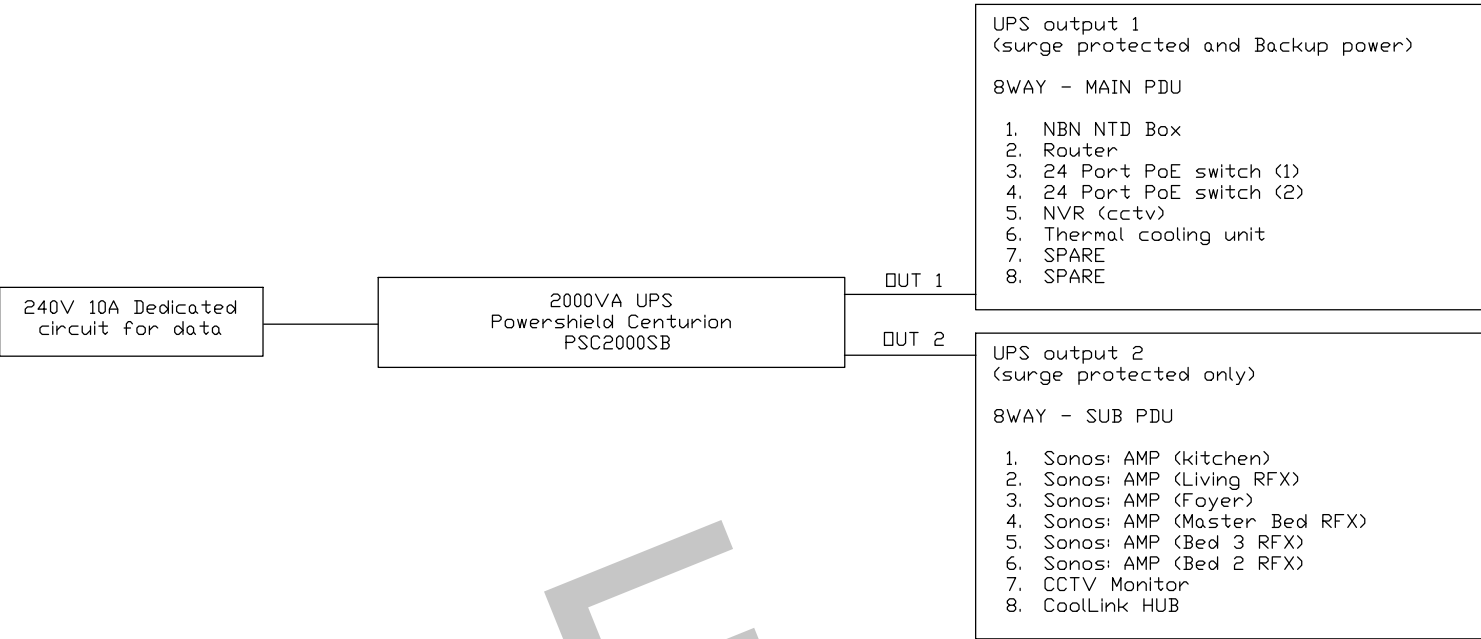
JOB No: 3999	REV: 1	<small>THESE DRAWINGS ARE SUBJECT TO COPYRIGHT AND REMAIN THE SOLE PROPERTY OF ELECTRALIFE P/L</small>
Drawing: Data cabinet elevation	Drawn By: JC	
Scale: As Shown	Date: 01/01/23	
PROJECT: NEW RESIDENCE 100 Green Street Melbourne VIC 3000		
www.electralife.com.au - (03) 7035 6280 - 5/195 Chesterville Rd, Moorabbin		

Network and A/V Wiring schematics

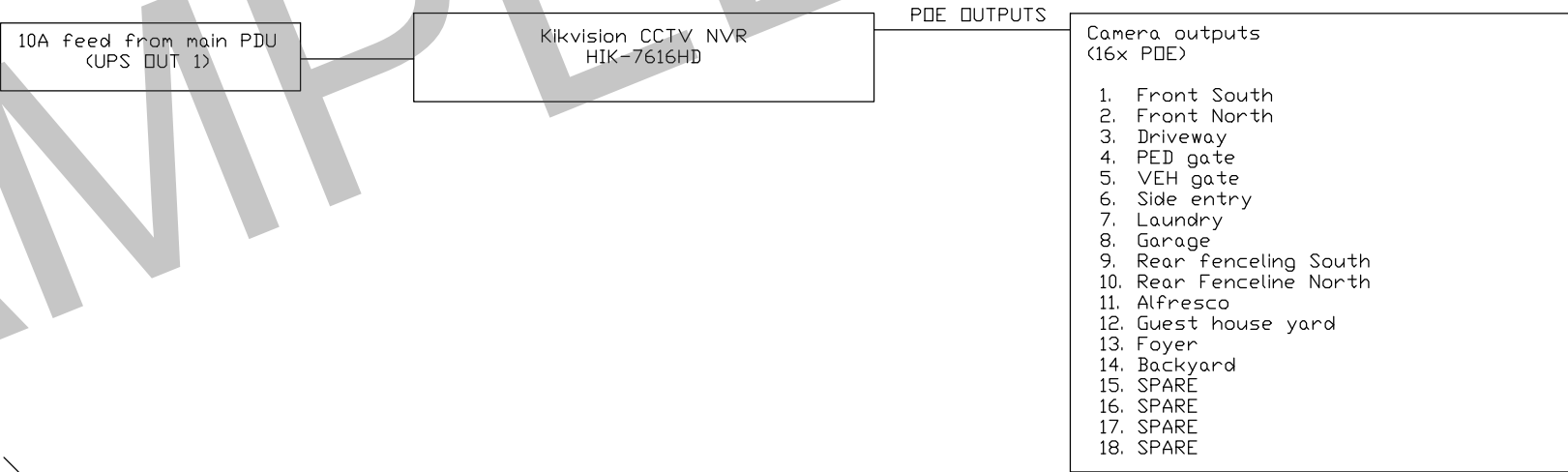
Internet connection and network distribution wiring



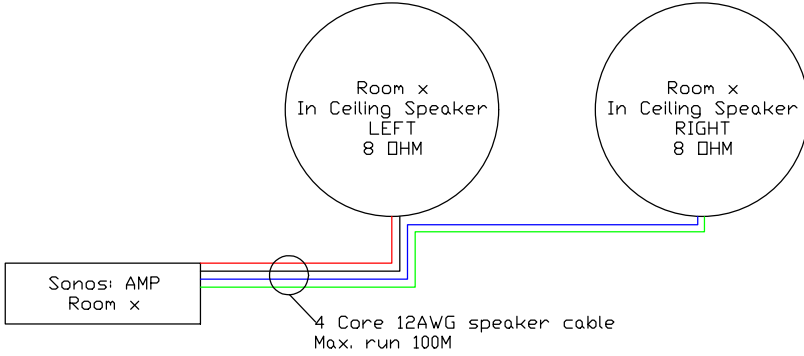
UPS and Main PDU Wiring



CCTV NVR Wiring



Single room Speaker wiring (2CH)



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NEW RESIDENCE 100 Green Street Melbourne VIC 3000		
<small>www.electralife.com.au - (03) 7035 6280 - 5/195 Chesterville Rd, Moorabbin</small>		



Date created: 01/01/2023
Reference number: 3999. REV1
Valid for 30 days

Customer details:

Mr. A smith
P: 0411 123 123
E: asmith@asmithfamily.com.au

Job site:

Smith Residence
100 Green Road,
Mentone VIC, 3000

Project: 100 Green Road - Integrated Technologies (parts required)

Dear Adam,

Electralife are pleased to offer our quotation for the Electrical Services & Technical Systems at your new home.

At its core, a smart home enables homeowners to integrate the tech in their property to make life easier and more secure. At its most basic, think a smart speaker or a video intercom. At its most powerful, think Electralife.

Electralife smart home design means a fully integrated home that guaranteed to work: from security systems, to audio visual, to communications, to lighting. It means the touch of a button starts a chain of events that automatically sets up your property to exacting, personalised specifications.

YOUR SMART HOME
IN YOUR HANDS



#4SIGHT

Control4



Introduction

We have proposed a robust range of products that all work together to create a truly powerful and unique experience. This proposal will guide you through a series of hand-selected technologies that work seamlessly together in your home.

Upon completion we will guide you through using the system, educating, and inspiring along the way. But you won't realise the true capability of the system until you start to use it for yourself.

So, let us do the work so you can sit back, enjoy the music, the security, and the comfort.

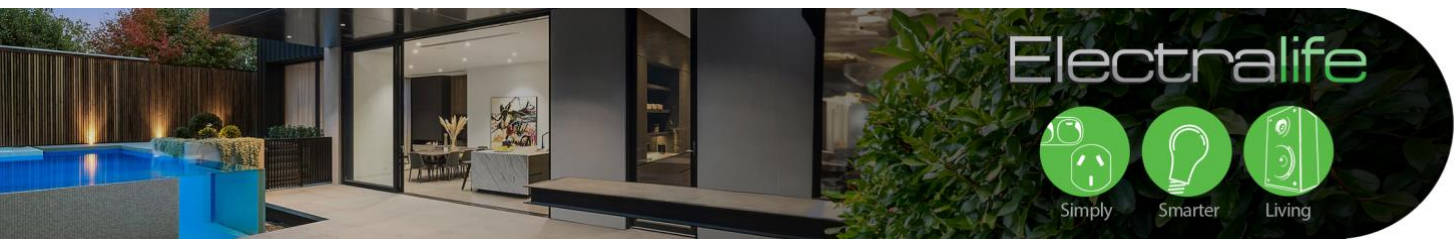
We will pre-program some basic functions and schedules that will serve as a baseline for the home's potential, however, after a short while we would love to catch up on site and gauge your opinions, perhaps create some automated actions or schedules of your own creation. You're limited only by your imagination!

Like all new products, they will periodically require service and updates to maintain their performance and security. This is a facility that we have included in the system costs for 12 months after commissioning. Usually this will entail brief a remote log in from our office and shouldn't require a physical on-site visit. Should there be any requirements to go on-site we will contact you to arrange this around your schedule.







We would like to thank you for choosing Electralife and we look forward to the many years of ongoing service and support we are able to provide.

With regards,

Jayden Crawford
Electralife P/L
5/195 Chesterville Rd
Moorabbin VIC 3189









Lighting Automation & controlled loads: by DALI & Clipsal C-Bus

Item	Image	Price (ea)
Downlight – DALI Unios Titanium starlight LED Power: Up to 5W Lumens: Up to 476lm Beam: 36° 50°		\$104.90 Plus GST
24VDC LED Strip light - 8mm PC Board - CRI Ra>90 - 480 Chips / Per Meter - Beam Angle 120 deg		\$38.77 Plus GST
PIRL Sensor - CBUS Internal C-Bus Control and Management System, Pir Occupancy Sensor, Flush Mount, 360 Degree Item Number: 5753L		\$355.20 Plus GST
CBUS Wall Switches - ZEN eDLT C-Bus, Enhanced DLT Wall Switch, Saturn Zen, Fascia Grid Item Number: R5045EDLW-ZW		\$575.22 Plus GST
Clipsal C-Bus Relay DIN Rail Mounted, Voltage Free, 240V AC, 8 Channel, 10A, With C-Bus Power Supply Item Number: L5508RVF		\$1892.20 Plus GST
Clipsal C-Bus Shutter Relay for blinds DIN Rail Mounted, Shutter, 240V AC, 1 Channel, 2A, Without C-Bus Power Supply Item Number: L5501RBCP		\$275.50 Plus GST



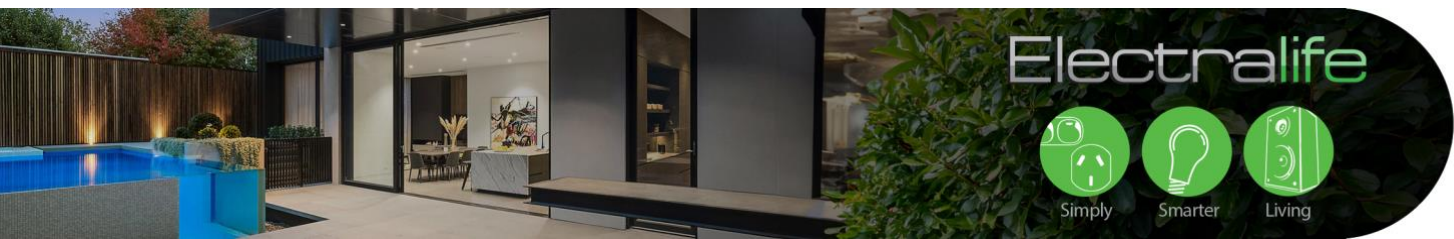


Wifi-6 & Enterprise Network by Araknis







Item	Image	Price (ea)
Araknis Networks® 520 Series Dual-WAN Multi-Gigabit VPN Router AN-520-RT		\$1,350.00 Plus GST
Araknis Networks® 210 Series Websmart Gigabit Switch with Partial PoE+ 24 + 2 Rear Ports AN-210-SW-R-24-POE		\$1,804.26 Plus GST
Araknis Networks® 520 Series Wi-Fi 6 Indoor Wireless Access Point AN-520-AP-I-1		\$850.00 Plus GST
4Cabling 42RU 600mm Wide x 600mm Deep Server Rack		\$1,328.20 Plus GST
PowerShield Centurion RT Short Base 2000VA Rack or Tower UPS		\$1842.20 Plus GST
Power Rail – 8 Way 1RU 19 Rack Mount		\$175.50 Plus GST

SAMPLE

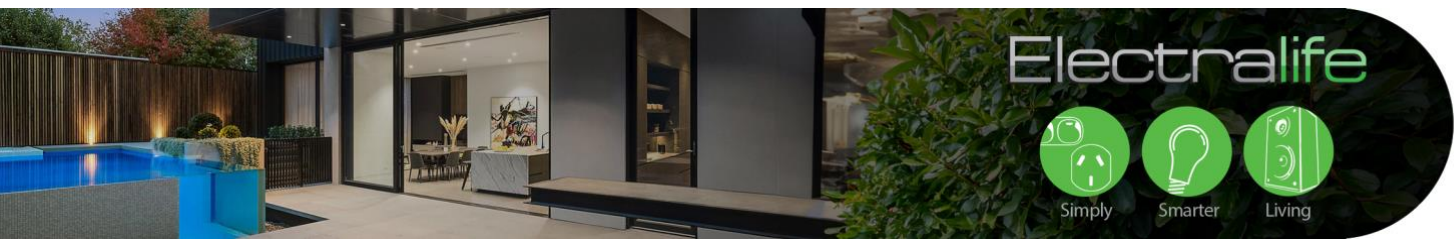




Audio Visual Systems powdered by SONOS

Item	Image	Price (ea)
SONOS AMP WIRELESS STREAMING AMPLIFIER SONOS / INTEGRATED AMPLIFIERS AMPG1AU1-BLK		\$1,099.00 Plus GST
ARC-BLK SONOS ARC PREMIUM SOUNDBAR BLACK		\$1249.26 Plus GST
SONOS SUB-BLK BLACK PREMIUM WIRELESS SUB WOOFER		\$1200.00 Plus GST
Episode® CORE 5 Series In-Ceiling Speaker (Pair) - 8" ES-CORE-58-IC		\$910.00 Plus GST
VPL-VW890ES 4K laser projector with 2,200 lumens brightness and advanced HDR functionality		\$21,328.20 Plus GST
Spartan Drop by ULTRALIFT Suitable for 32" up to 90" TVs Aluminium build Standard Mannex White or Black finish 240 V Plug and Play		\$14,520.00 Plus GST



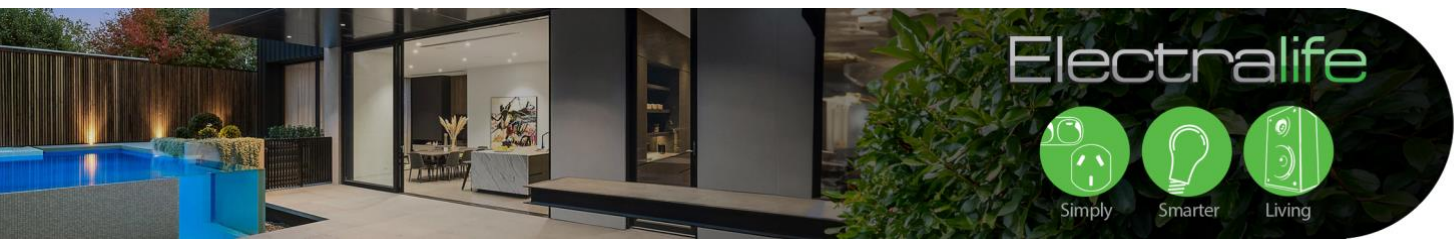



Control4 Interface and Digital Intercom

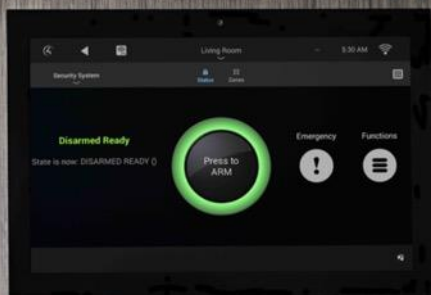
Item	Image	Price (ea)
DS2 Door Station, Flush Mount (Brushed Nickel) C4-DS2FM-BN		\$3099.00 Plus GST
Control4® T4 Series 10" In-Wall Touchscreen AC (White) C4-T4IW10-AC-WH		\$2,864.26 Plus GST
Control4® CORE 5 Controller C4-CORE5		\$6,000.00 Plus GST
Control4® CORE 1 Controller C4-CORE1		\$1550.20 Plus GST
Thor PS10 10A Pure Sine Wave Power Station THOR-PS10		\$2,399.00 Plus GST

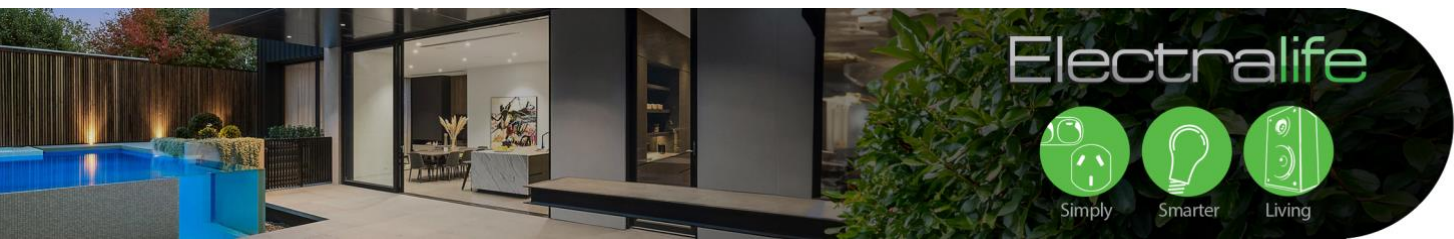
SAMPLE





Item	Image	Price (ea)
IR-996300AU Inception Controller		\$1,988.00 Plus GST
IR-9985304G Multipath T4000 4G Security Communicator (Telstra/Optus)		\$250.26 Plus GST
IR-995025 Inner Range Paradox RF LAN Module to suit Integriti / Inception		\$733.00 Plus GST
BOS-PDL1-W18G Bosch Professional Series Trittech Detector, 18m		\$144.20 Plus GST
TAK-PA6812R Takex "Snap-in" Wide Angle PIR with 2k2 & 6k8 pre-fitted (12m)		\$109.00 Plus GST
IR-995400 Inner Range EliteX Standard Keypad		\$404.00 Plus GST
IR-994725 SIFER Keypad with Inbuilt SIFER Smart Card Reader		\$519.00 Plus GST





CCTV Surveillance System by Hikvision

Item	Image	Price (ea)
HIK-2CD2386G2SL2 Hikvision 8MP Outdoor AcuSense Gen 2 Turret Camera, IR, Strobe, Mic, 2.8mm		\$373.00 Plus GST
HIK-2CD2386GIU2B Hikvision 8MP Outdoor AcuSense Gen 2 Turret Camera, H.265, 30m IR, Mic, 2.8mm, Black		\$373.00 Plus GST
HIK-2CE19U7IT3ZF Hikvision TVI4.0 8MP Outdoor Bullet Camera, WDR, 80m IR, 4 in 1, IP67, VDC/VAC, 2.7-13.5mm		\$309.00 Plus GST
HIK-2DE4425IW-DE Hikvision 4MP Outdoor Mini PTZ Camera, 25x Zoom, H.265, WDR, IP66, PoE+, 12VDC		\$943.00 Plus GST
HIK-7616NI-I2-16 Hikvision 16ch PoE NVR, 160Mbps, H.265, 16 ports, 4K, VGA/HDMI, 1RU, 2 HDD Bay + 3TB		\$1,259.00 Plus GST
HDD-6TB-DVR 6TB HDD - Surveillance HDD for DVRs & NVRs		\$382.00 Plus GST



HIKVISION® **NO.1** Worldwide Security Solution Provider



TERMS AND CONDITIONS OF TRADE

1. Definitions

- a) "Supplier" means Electralife Pty Ltd - ACN: 623361768
b) "Customer" means any person, body corporate or entity who engages the Supplier for the supply of goods and/or services.

2. Application of Conditions

These Conditions apply to all orders placed by the Customer with the Supplier. The Customer acknowledges that it will be bound by these Conditions which will form part of the Contract.

3. Governing Law & Submission to jurisdiction

All the Conditions and the Contracts will be governed by and interpreted in accordance with the laws of the State of Victoria, Australia.

4. Payment

Payment by the Customer is to be made within 7 days of receipt of the invoice. Time for payment is of the essence of the Contract. Where payments are overdue, the Supplier may, in addition to any other rights it may have, in its sole discretion, either cancel orders or suspend delivery of outstanding Goods and/or Services. If the invoice price is not paid by the due date, then interest will accrue on that amount from the date of delivery of the Goods and/or Services until the price is paid in full. Interest will be paid at a rate of 12% per annum. Interest will accrue daily and be payable on demand.

5. Payment Default

If the Customer defaults in payment or breaches these Conditions then it will be liable for all costs incurred by the Supplier and will indemnify the Supplier against any loss, liability, charge, expense, outgoing or payment which the Supplier suffers, incurs or is liable for in respect of the recovery of monies owing by the Customer to the Supplier.

6. Price

The price of the goods and/or services will be in accordance with the written and/or oral quotation that will be provided to the Customer prior to the commencement of the works. However, in circumstances where more work is required than contemplated by the original quotation, the Supplier will provide the Customer with a new written and/or oral quotation and will not be bound by its original quotation. If the works are ongoing, the Supplier will invoice the Customer monthly for works completed. The Supplier may at its own discretion require upfront payment from the Customer prior to commencing or continuing works.

7. Title to Goods

Title to any & all Goods supplied by the Supplier will remain with the Supplier and no legal or equitable interest or property in the Goods whatsoever will pass to the Customer until the Customer has paid the full invoice price for all Goods supplied by the Supplier under all invoices. Until title passes the Customer must allow the Supplier full and free access to the Customer's premises where the Goods are located to retake possession of such Goods. The Customer acknowledges and warrants that the Supplier has a security interest for the purposes of the Personal Property Securities Act 2009 (Cth) in the Goods and any proceeds until title passes to the Customer in accordance with this clause 7. The Customer must do anything reasonably required by the Supplier to enable the Supplier to register its security interest with the priority the Supplier requires and to maintain that registration. The security interest arising under this clause 7 attaches to the Goods when the Customer obtains possession of the Goods.

8. Hours

The Supplier will complete works between 7.30am and 3.30pm from Monday to Friday unless otherwise agreed between the Customer and the Supplier.

9. Force Majeure

The Customer acknowledges that the Supplier shall not be in breach of any agreement if it is unable to complete or is delayed in the delivery of the goods and/or services or any portion thereof by reason of fire, earthquake, labour dispute, act of God or public enemy, death, illness or incapacity or any local, state, federal, national or international law, governmental order or regulation or any other event beyond the Suppliers control (collectively, 'Force Majeure Event') and the Supplier will not be responsible for any consequential damages, losses, costs or additional charges caused thereby.

10. Intellectual Property

The supply of goods and/or services to the Customer does not constitute a transfer of any intellectual property rights in the goods and/or services or any part thereof. The Customer must not do anything inconsistent with or in infringement of such intellectual property rights. The Supplier does not warrant that the supply by it and the use by the Customer of the goods and/or services does not and will not infringe the intellectual property rights of any third party.