



Shire of Dardanup
Community & Economic
Development Directorate

APPENDICES

Item 12.3.1

ORDINARY COUNCIL MEETING

To Be Held

Wednesday, 29th of October 2025
Commencing at 5.00pm

At

Shire of Dardanup
ADMINISTRATION CENTRE EATON
1 Council Drive - EATON

This document is available in alternative formats such as:
~ Large Print
~ Electronic Format [disk or emailed]
Upon request.

Screen shot of media release for FRRR EOI GEH2® power generator.

<https://frrr.org.au/funding/hydrogen-generator/#technical-faqs>



Hydrogen generator on offer to rural community to build climate resilience

A rural or regional Australian community group could soon be using a free hydrogen power generator valued at a retail price of \$390,000, thanks to a partnership between Toyota Australia (TMCA), Energy Observer Developments (EODev), Blue Diamond Machinery (BDM) and FRRR.

The GEH2® power generator is Australia's first zero-emission hydrogen generator and can provide continuous off-grid power for industry applications or emergency backup power for hospitals, commercial buildings or anywhere that reliable, stable power is required.

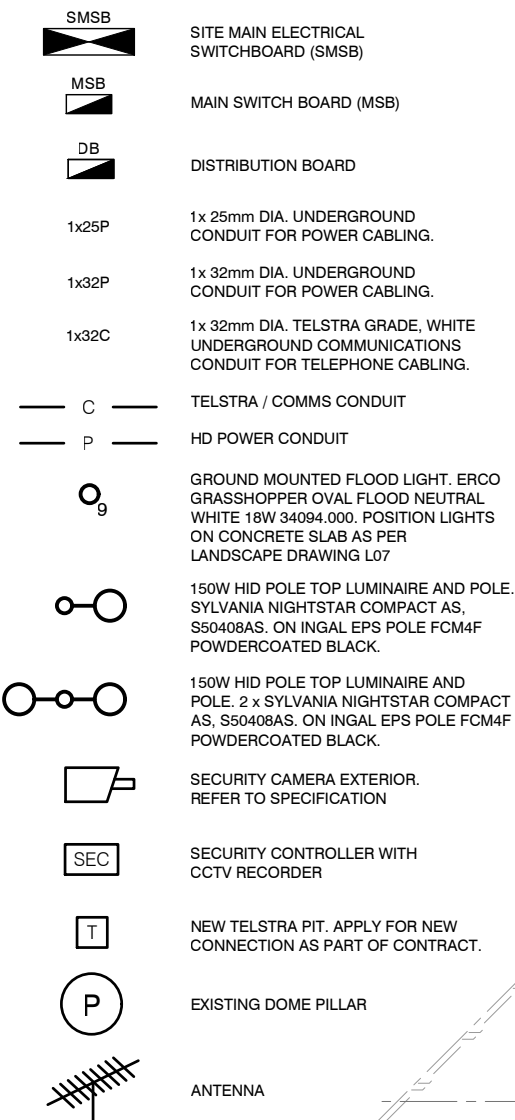
One rural or regional community could access this cutting edge equipment at no cost, reducing their carbon emissions and enable skills development in the technology to build community capability.

This opportunity is available to organisations in rural or regional Australia that are located within 200km of a hydrogen fuel supply hub (Altona, VIC; Geelong, VIC; Tonsley Park, SA; Port Kembla, NSW; Hobart, TAS; Brisbane, QLD (from Q1 2026); or Kwinana, WA (from Q2 2026)). For the successful group, Toyota Australia will co-ordinate the deployment of the generator, supply fuel and provide training on the equipment.



Map shows indicative regions eligible to apply for this grant

POWER LEGEND



NOTES

1. THE BOOM GATE REQUIRED A GRAND LOOP CUT INTO THE ASPHALT BACK TO THE CONTROLLER. GARD' BOOM GATE TO BE INSTALLED
2. REFER TO HYDRAULIC DRAWING H03 FOR MORE DETAIL ON THE PUMPSETS. ALLOW TO WIRE THE FLOAT SWITCH TO THE TRANSFER PUMP.
3. PROVIDE A POLE ATTACHED SECURITY CAMERA, AXIS Q1804-E OR SIMILAR, EXTERIOR LIGHT TO BE OPERATED BY PE ONLY (NO TIMER)
4. PROVIDE A GENERATOR PLUG IN BOX FOR FUTURE GENERATOR SUPPLY (TEMP) REFER TO THE SLD OR DETAILS.
5. SLIDING GATE FOR CAR PARK ENTRY IS TO BE CONTROLLED VIA 'DOOR REMOTES'. A TOTAL OF 18 REMOTES SHALL BE SUPPLIED.
6. HIGH LEVEL HYDROCARBON ALARM PANEL, PROVIDE POWER POINT AND A 6 CORE CABLE FROM THE ALARM PANEL TO THE PURCEPTOR, CONNECTION AND SUPPLY OF THE ALARM PANEL AND FLOAT SWITCHES BY THE PURCEPTOR INSTALLER

UNDER NO CIRCUMSTANCE IS ANY WORK TO BE CARRIED OUT WITHIN GAS EASEMENT WITHOUT PRIOR APPROVAL & SUPERVISION FROM RELEVANT AUTHORITY.

HIGH PRESSURE GAS EASEMENT

SWALE

DRIVEWAY

DRIVEWAY

COVERED AREA

LOADING ZONE

PROPOSED WORKSHOP

PROPOSED OFFICE

VEHICLE PARKING AREA

EXTERNAL GENERATOR CONNECTION POINT

THE MAIN CONTRACTOR SHALL APPLY THROUGH WESTERN POWER FOR THE APPROVAL AND SAFETY REQUIREMENTS FOR WORK AROUND THE EXISTING POWER LINES. A QUALIFIED SAFETY OBSERVER IS TO BE PRESENT ON THE SITE AT ALL TIMES WHILE WORKS ARE UNDERTAKEN

NEW HYDROGEN GENERATOR LOCATED ON EXISTING HARDSTAND

NEW SWITCHBOARD CONNECTED TO EXISTING GENERATOR CONNECTION POINT

REFER TO WESTERN POWER INFORMATION SHEET WORKING NEAR ELECTRICITY FOR DANGER ZONE DISTANCES.

SWALE

CONCRETE HARDSTAND

ACCESS DRIVEWAY

MARTIN PELUSEY ROAD

MARTIN PELUSEY ROAD

ELECTRICAL SITE PLAN

SCALE 1:250

T1	2016.05.06	ISSUED FOR TENDER	MS	JK
REV	DATE	COMMENTS	BY	CHK



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PROPOSED WORKS DEPOT
FOR THE SHIRE OF DARDANUP
LOT 101 MARTIN PELUSEY ROAD
DARDANUP WA

TENDER ISSUE

ELECTRICAL SITE PLAN

DRAWN	GH	DATE	MAR 2015	SCALE	1:250
PROJECT NO.	0332	DRAWING NO.	E01	REV.	T1

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Member of:



POWER & COMMS LEGEND

	MSB	ELECTRICAL MAIN SWITCH BOARD
	DB-1	ELECTRICAL DISTRIBUTION BOARD
	PS	20 AMP THREE PHASE POWER CONNECTION TO ROLLER SHUTTER CONTROLLER. LIASE WITH SHUTTER INSTALLER TO CONFIRM EXACT LOCATION AND DETAIL
	FI	FLOOR OUTLET BOX, CAST INTO FLOOR SLAB, WITH LID HAVING 8mm REBATE FOR CARPET INSERT AND COMPLETE WITH TWO(2) QUAD POWER OUTLETS AND QUAD COMMUNICATIONS OUTLET. CABLE DUCT SYSTEMS / ELECTRA PLAN FF08-038
	BU	BUILDING DISTRIBUTOR
	COM	48RU 800x800 ENCLOSED COMMS RACK WITH 20 WAY VERTICAL POWER RAIL, 2x PATCH PANELS AND SEPERATED VIA CABLE MANAGEMENT
	10 AMP	DOUBLE GPO MOUNTED AT 500mm AFL, UNLESS NOTED OTHERWISE. AB - INDICATES 150mm ABOVE BENCH HEIGHT
	INDICATES TWO(2) 10 AMP	DOUBLE GPO MOUNTED AT 500mm AFL, UNLESS NOTED OTHERWISE. AB - INDICATES 150mm ABOVE BENCH HEIGHT
	10 AMP	SINGLE GPO MOUNTED AT 500mm AFL, UNLESS NOTED OTHERWISE. AB - INDICATES 150mm ABOVE BENCH HEIGHT
	15 AMP	SINGLE GPO MOUNTED AT 500mm AFL, UNLESS NOTED OTHERWISE. AB - INDICATES 150mm ABOVE BENCH HEIGHT
	MULTI-PHASE	GPO MOUNTED AT 500mm AFL, UNLESS NOTED OTHERWISE. AB - INDICATES 150mm ABOVE BENCH HEIGHT
	DUAL CAT 6	PLAS COMMUNICATIONS OUTLET AT 500mm AFL, UNLESS NOTED OTHERWISE OR MOUNTED ON SKIRTING CABLE DUCTING. # - INDICATES No. OFF
	THREE PHASE, IP66	LOCAL ISOLATOR SWITCH
	SINGLE PHASE, IP66	LOCAL ISOLATOR SWITCH
	DURESS	PUSH BUTTON IN TOILET WITH INDICATOR LIGHT AND SOUNDER. ES, 58000 MT 2

POWER NOTES

1. PROVIDE A 15A SINGLE PHASE AND 20A THREE PHASE OUTLET SUSPENDED VIA CHAIN TO THE WORK BENCH 1600mm AFFL. OUTLETS SHALL BE CAPTIVE SCREW TYPE.
2. 15 AMP OUTLET TO BE MOUNTED BEHIND WALL MOUNTED COMMS CABINET (CC), FOR POWER TO CC INTERNAL POWER RAIL.
3. INSTALL CABLE TRAY FROM TOP OF DB-1, VERTICALLY UP WALL, TO ROOF STRUCTURE. SIZED TO ENSURE ALL OUTGOING CABLEING CAN BE INSTALLED TO AVOID AS3008.1 DERATING. MINIMUM CABLE TRAY WIDTH IS 600mm.
4. INSTALL 450mm WIDE CABLE TRAY, FROM TOP OF MSB TO ABOVE CEILING LEVEL FOR OUTGOING CABLEING. CONCEAL WITH REMOVABLE METAL CABLE DUCT, FINISHED TO SAME COLOUR AS WALL FINISH.
5. PROVIDE A CAPTIVE OUTLET IN THE SERVER ROOM FROM THE CEILING FOR THE COMMS SUSPENDED RACK.
6. CONTROL THE TOILET EXHAUST FANS VIA A TIME CLOCK DURING OFFICE HOUR, AFTER HOURS CONTROLLED VIA MOTION SENSOR IN TOILETS.
7. SECURITY HEAD END EQUIPMENT TO BE LOCATED IN THE COMMS RACK, ACCESS TO SECURITY MONITORING AT RECEPTION AND WORKSHOP OFFICE WITH SPLIT SCREENS CONFIGURED AS REQUIRED BY THE SHIRE.

ABBREVIATIONS

AB	ABOVE BENCH
AFL	ABOVE FLOOR LEVEL A/C
CU	CONDENSER UNIT
FI	FRIDGE
HWU	HOT WATER UNIT
MW	MICROWAVE
TEF	TOILET EXHAUST FAN
GEF	GENERAL EXHAUST FAN
OAF	OUTSIDE AIR FAN
WP	WATER PROOF EXTERNAL GPO

T1	2016.05.06	ISSUED FOR TENDER	MS	JK
REV	DATE	COMMENTS	BY	CHK

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PROPOSED WORKS DEPOT
FOR THE SHIRE OF DARDANUP
LOT 101 MARTIN PELUSEY ROAD
DARDANUP WA

TENDER ISSUE

POWER LAYOUT

DRAWN: GH	DATE: MAR 2015	SCALE: @ A1	1:100
PROJECT No: 0332	DRAWING No: E02	REV: T1	

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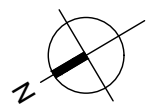


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MEZZANINE POWER LAYOUT

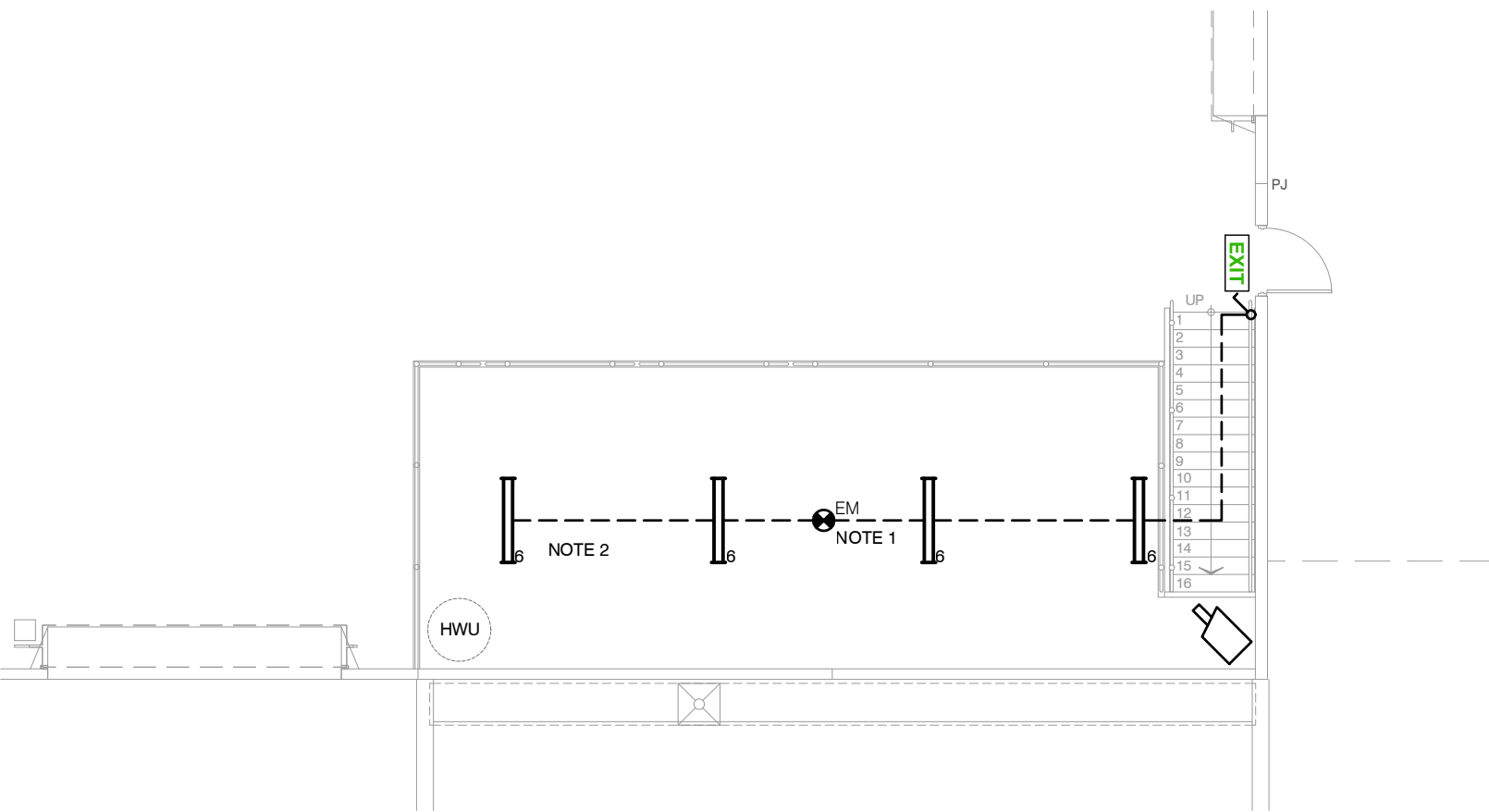
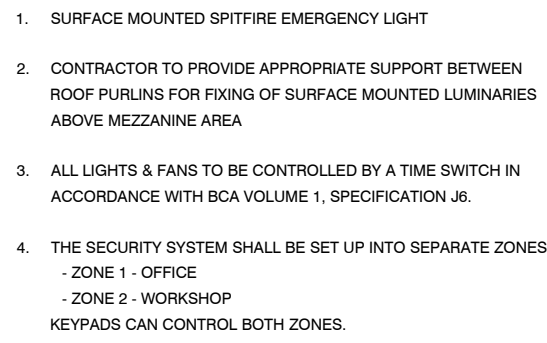
SCALE 1:100



GROUND FLOOR POWER LAYOUT

SCALE 1:100

LIGHTING NOTES



MEZZANINE LIGHTING LAYOUT

GROUND FLOOR LIGHTING LAYOUT

SCALE 1:100



Member of:

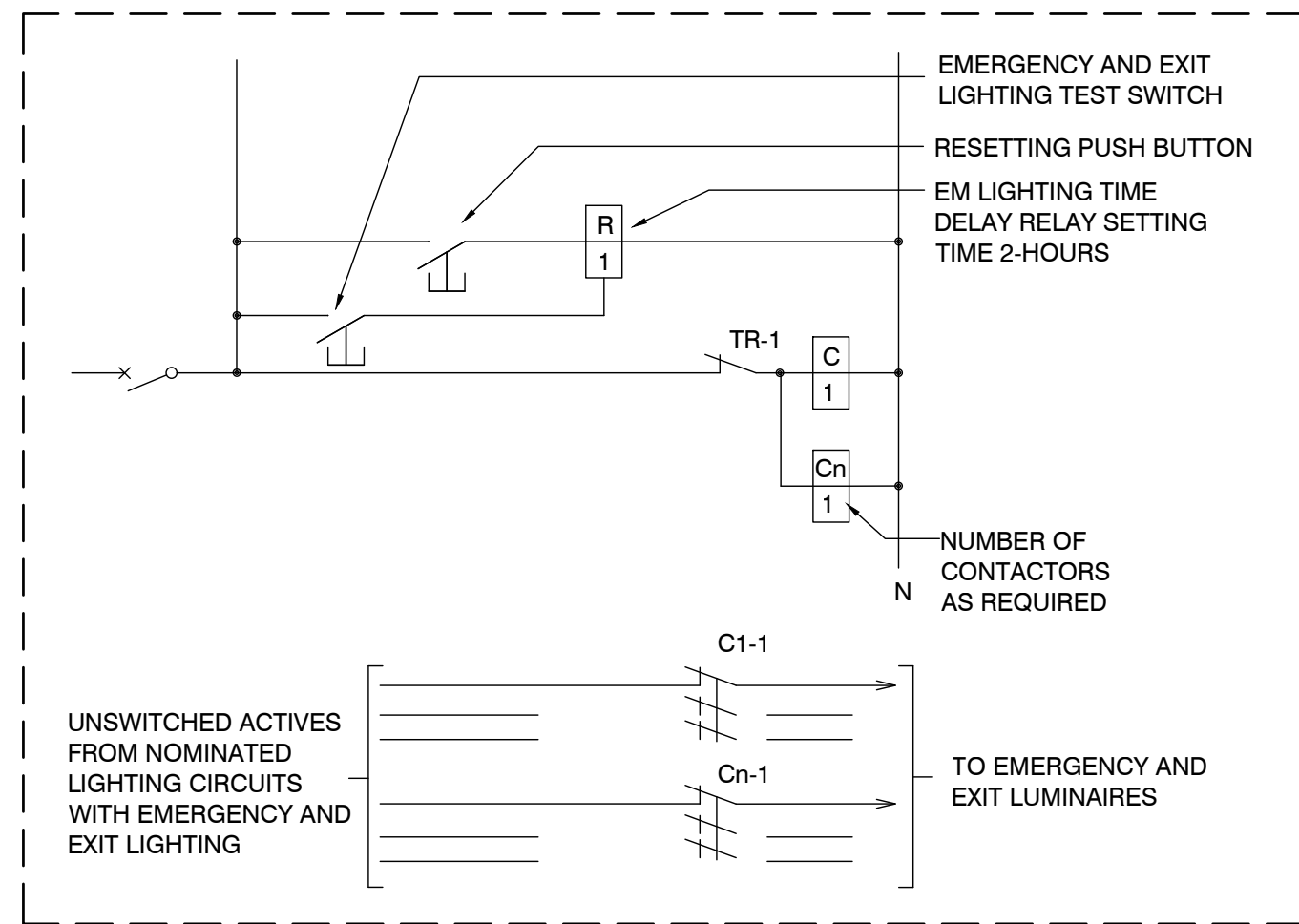


PROPOSED WORKS DEPOT
FOR THE SHIRE OF DARDANUP
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DARDANUP WA

TENDER ISSUE

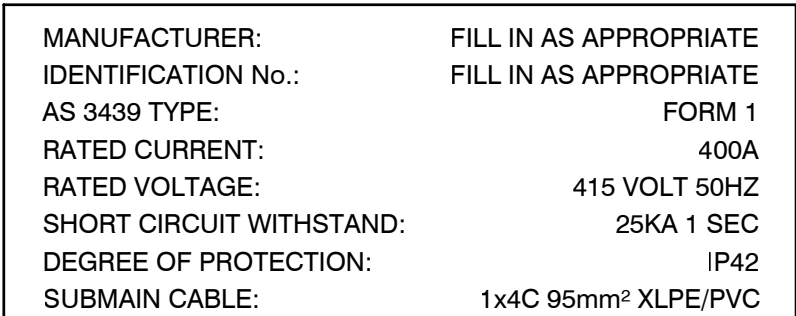
DRAWN GH	DATE MAR 2015	SCALE @ A1 1:100
PROJECT No. 0332	DRAWING No. E03	REV. T1

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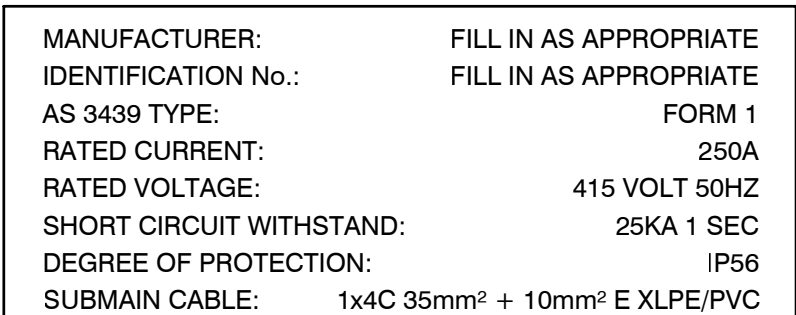


MANUFACTURER:	FILL IN AS APPROPRIATE
IDENTIFICATION No.:	FILL IN AS APPROPRIATE
AS 3439 TYPE:	FORM 2b
RATED CURRENT:	400A
RATED VOLTAGE:	415 VOLT 50HZ
SHORT CIRCUIT WITHSTAND:	25KA 1 SEC
DEGREE OF PROTECTION:	IP56
SUBMAIN CABLE:	1x4C 95mm ² XLPE/PVC

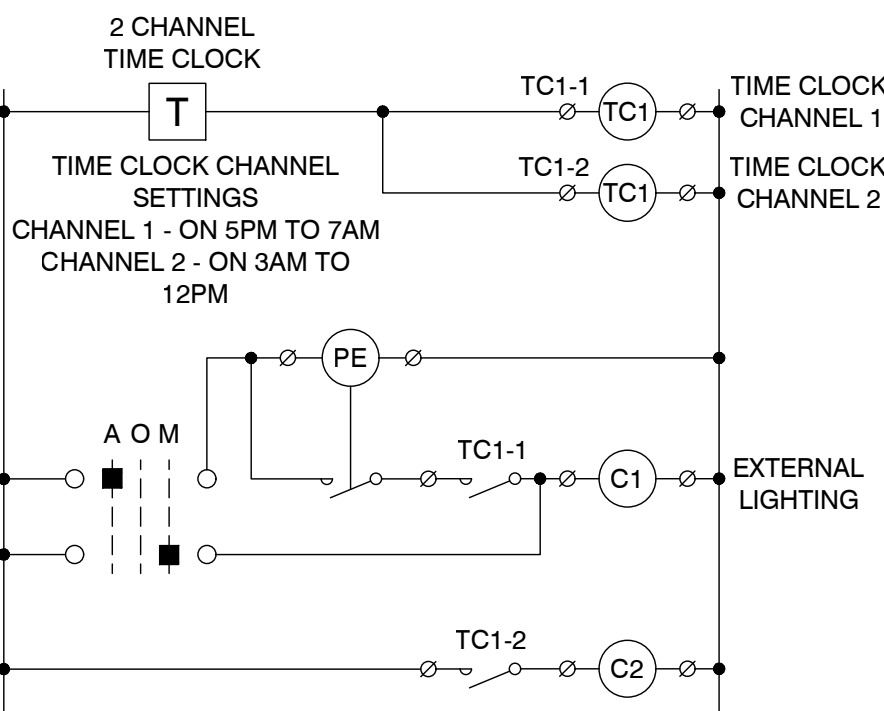
SMSB - IDENTIFICATION PLATE



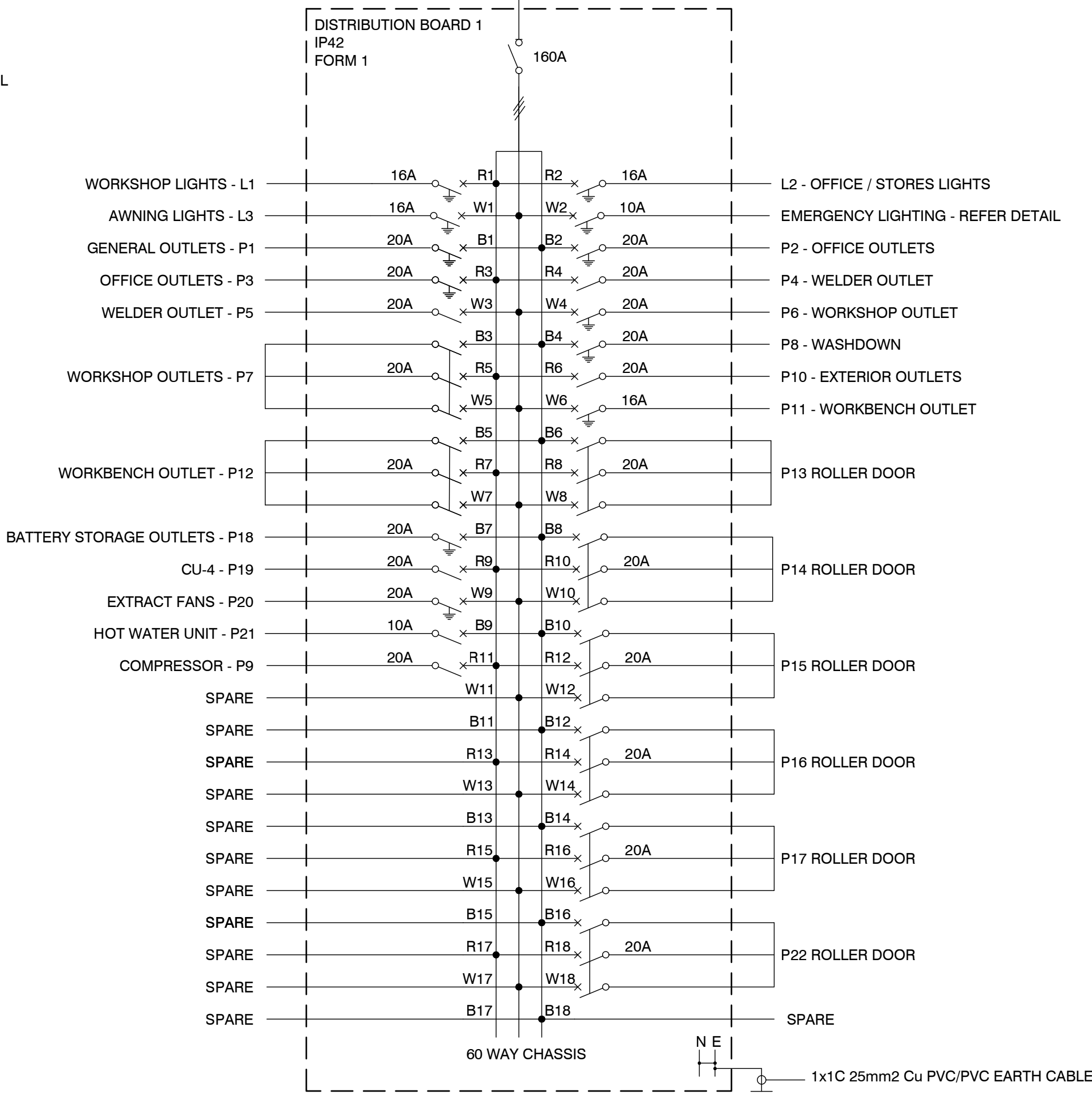
MSB - IDENTIFICATION PLATE



DB1 - IDENTIFICATION PLATE



MSB LIGHTING CONTROL SCHEMATIC



T1	2016.05.06	ISSUED FOR TENDER	MS	JK
REV	DATE	COMMENTS	BY	CHK



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PROPOSED WORKS DEPOT

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DARDANUP WA

TENDER ISSUE

DRAWN MS	DATE MAR 2015	SCALE @ A1 1:100
PROJECT No. 0332	DRAWING No. E04	REV. T1

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Member of:



From: Scott Rowe - Scope Electrical <scott@scopeelectrical.com>
Sent: Monday, 13 October 2025 10:44 AM
To: Belinda Vanvuuren <Belinda.Vanvuuren@dardanup.wa.gov.au>
Subject: RE: Hydrogen generator on offer to rural communities

CAUTION: This email originated from outside the Shire of Dardanup.
Do NOT click links or open attachments unless you recognize the sender and know the content is safe. Do NOT enter any username or passwords and report any suspicious content.

Hi Belinda,

Please see attached price breakdown. I have allowed to:

- Install pit and junction existing cables, extend the cables to the new generator location.
- Relocate the connection cubicle.
- Connect the generator in its final location and commission the electrical system.

Kind Regards

Scott Rowe
Director
0427 345 377
Scott@scopeelectrical.com



Unit 3, 8 Stokes Way, Davenport WA 6230

**ESTIMATE Master
BID BREAK - UP**

**DATE 13/10/2025
PAGE No.. 1**

Section Description	Material Total	Labour Total	Section Total	GST/VAT	Total incl Tax
a..Excavation and Conduits	1082.61	946.58	2029.19	202.92	2232.11
b...Cable Junction and Pit	3187.92	1507.60	4695.52	469.55	5165.07
c...Relocate connection cubicle	249.57	1010.07	1259.64	125.96	1385.60
d...Connection to Generator and Commission	1445.76	1680.75	3126.52	312.65	3439.17
TOTALS	5965.86	5145.00	11110.86	1111.09	12221.95
Total Bid Sum including GST/VAT			12,221.95		

RISK ASSESSMENT TOOL**OVERALL RISK EVENT:** GEH2® Power Generator: Expression of Interest

The acceptance, installation, and operation of a donated hydrogen generator may expose the Shire to financial, legal, safety, environmental, and reputational risks if asset ownership, compliance, and operational responsibilities are not clearly defined and managed.

RISK THEME PROFILE:

1 - Asset Sustainability Practices

3 - Failure to Fulfil Compliance Requirements (Statutory, Regulatory)

7 - Environment Management

Choose an item.

RISK ASSESSMENT CONTEXT: Operational

CONSEQUENCE CATEGORY	RISK EVENT	PRIOR TO TREATMENT OR CONTROL			RISK ACTION PLAN (Treatment or controls proposed)	AFTER TREATMENT OR CONTROL		
		CONSEQUENCE	LIKELIHOOD	INHERENT RISK RATING		CONSEQUENCE	LIKELIHOOD	RESIDUAL RISK RATING
HEALTH	Hydrogen leak or improper handling causing injury or exposure	Moderate (3)	Unlikely (2)	Moderate (5 - 11)	Install leak sensors, provide staff training, and implement emergency response protocols.	Minor (2)	Unlikely (2)	Low (1 - 4)
FINANCIAL IMPACT	Installation and compliance costs exceed budget or are not fully grant-funded	Moderate (3)	Possible (3)	Moderate (5 - 11)	Conduct detailed cost planning and seek co-funding or budget allocation for shortfalls.	Moderate (3)	Possible (3)	Moderate (5 - 11)
SERVICE INTERRUPTION	Generator failure or delay in fuel supply disrupts emergency or backup power	Minor (2)	Possible (3)	Moderate (5 - 11)	Establish backup procedures and confirm fuel supply logistics with Toyota Australia.	Minor (2)	Possible (3)	Moderate (5 - 11)
	Inadequate staff training or unclear operational responsibilities may lead to misuse or non-compliance.	Moderate (3)	Possible (3)	Moderate (5 - 11)	Develop clear training schedule for staff	Minor (2)	Unlikely (2)	Low (1 - 4)
LEGAL AND COMPLIANCE	Failure to meet AS 4332 standards or obtain Council approval under CP507	Moderate (3)	Possible (3)	Moderate (5 - 11)	Ensure full compliance with AS 4332 and Council Policy SDev CP507 before acceptance.	Minor (2)	Unlikely (2)	Low (1 - 4)
	Inadequate insurance or unclear asset ownership could leave the Shire financially liable for property damage.	Moderate (3)	Possible (3)	Moderate (5-11)	Obtain formal documentation from FRRR and Toyota Australia confirming asset ownership terms.	Minor (2)	Unlikely (2)	Low (1-4)

(Appendix ORD: 12.3.1D)

CONSEQUENCE CATEGORY	RISK EVENT	PRIOR TO TREATMENT OR CONTROL			RISK ACTION PLAN (Treatment or controls proposed)	AFTER TREATMENT OR CONTROL		
		CONSEQUENCE	LIKELIHOOD	INHERENT RISK RATING		CONSEQUENCE	LIKELIHOOD	RESIDUAL RISK RATING
					Consult with the Shire's insurer to confirm coverage for hydrogen-related infrastructure, including fire, explosion, vandalism, and weather damage.	Minor (2)	Unlikely (2)	Low (1-4)
REPUTATIONAL	Public concern over safety, cost, or perceived lack of transparency	Minor (2)	Possible (3)	Moderate (5 - 11)	Communicate benefits clearly to the community, develop clear communication plan.	Minor (2)	Possible (3)	Moderate (5 - 11)
ENVIRONMENT	Improper disposal or leak causing environmental harm	Moderate (3)	Unlikely (2)	Moderate (5 - 11)	Include disposal planning in lifecycle strategy and monitor for leaks.	Minor (2)	Unlikely (2)	Low (1 - 4)
	Hydrogen leaks or improper handling could pose fire or explosion hazards, leading to environmental damage or injury	Catastrophic (5)	Unlikely (2)	Moderate (5 - 11)	Develop and test emergency response plans specific to hydrogen incidents, including evacuation, fire suppression, and containment.	Minor (2)	Unlikely (2)	Low (1 - 4)
					Schedule routine inspections and servicing by qualified technicians to ensure system integrity. Provide specialised training for staff on hydrogen safety, handling procedures, and emergency protocols.	Unlikely (2)	Unlikely (2)	Low (1 - 4)
PROPERTY	Damage to the generator.	Moderate (3)	Possible (3)	Moderate (5 - 11)	Install fencing, surveillance, and signage to deter vandalism and unauthorised access.	Minor (2)	Unlikely (2)	Low (1 - 4)