


×ALL DIMENSIONS ARE FOR GUIDANCE PURPOSE ONLY. THE MANUFACTURER MUST VERIFY THEIR SWITCHBOARD AS PER AS/NZS 61439 REQUIREMENT WHEN APPLICABLE AND AS PER AS/NZS 3000-2018 AND ALL THE RELEVANT STANDARDS AND LOCAL REGULATIONS, QECM AND MIRS.

NO.	QTY.	DESCRIPTION	MANUF. CAT. NO.
		ENCLOSURE COMPLETE 1800Hx600Wx600D	
1	1	75mm HIGH PLINTH	GRC SPEC
2	1	CABINET ID	GRC SPEC
3	1	ERGON SECTION (FRONT) 1800Hx600Wx335D	GRC SPEC
4	1	METER PANEL INSULATED DOUBLE HINGED LEFT SIDE	ERGON SPEC
5	1	KWH METER	ERGON SUPPLY
6	3	CT/VT TEST LINK BLOCK	ERGON SUPPLY
7	1	SEALABLE LIFT OFF COVER C/W 2 HANDLES	ERGON SPEC
8A	3	200/5A CTs	ERGON SUPPLY
8B	3	415V FUSES	ERGON SUPPLY
9	1	METERING ISOLATOR + HANDLE + TERMINAL COVERS	NHP SLB4003P
10	4	SWING HANDLE PADLOCKABLE	GRC SPEC
11	1	GRC SECTION (REAR) 1800Hx600Wx300D	GRC SPEC
12	1	ESCUTCHEON HINGED LEFT SIDE	GRC SPEC
13	1	Q101 GRC MAIN SWITCH + HANDLE	NHP P250F3125TM
14	1	SURGE DIVERTER SD1	NOVARIS SDN3-100-275
15	3	SD1 63A FUSE + HOLDERS	-
16	2	BRASS GLAND PLATE	-
17	2	NEUTRAL BAR INSULATED	-
18	2	EARTH BAR	-

CONSTRUCTION NOTES:

- THE ENCLOSURE IS MANUFACTURED FROM MINIMUM OF 3.0mm 5052 ALUMINIUM, FOLDED AND WELDED, SANDED BACK FLUSH AND CORNERS ROUNDED.
- ALL METALWORK IS THOROUGHLY REMOVED OF ALL SPLATTERS, OILS AND DIRT AND ALLOWED TO DRY.
- THE METALWORK IS THEN POWDER COATED TO A TOTAL THICKNESS OF 70 MICRONS. FINISH COLOUR IS AS FOLLOWS:
ENCLOSURE INTERNAL/EXTERNAL: "PALE EUCALYPT - DULUX 84221".
EXTERNAL DOORS: "PALE EUCALYPT - DULUX 84221".
EQUIPMENT PLATES: "GLOSS WHITE".
ESCUTCHEONS/INTERNAL DOORS: "GLOSS WHITE".
- PLINTH IS MANUFACTURED FROM 80x40x6mm ALUMINIUM CHANNEL.
- THE ENCLOSURE IS WEATHERPROOF (IP56).
- OUTER DOORS ARE AFFIXED USING H1 (LONG) PINTLE HINGES AND TO BE FITTED WITH S/S 3 POINT LOCKING MECHANISM.
- ESCUTCHEONS ARE AFFIXED USING H1 (SHORT) PINTLE HINGES. ESCUTCHEON CATCHES TO BE QUARTER TURN "SQUARE INSERT".
- LIFTING METHOD IS VIA TOP LIFTING LUGS REMOVABLE EYE BOLTS.
- DOOR STAYS & LIMIT SWITCHES ARE TO BE FITTED TO OUTER DOORS.
- DOOR HANDLE: DIRAK 207-9295.
- ROOF RAIN HOOD/HEAT SHIELD MOUNTED ON 6MM ALUMINIUM C-SECTION - REMOVABLE.
- SIDE HEAT SHIELDS MOUNTED ON ALUMINIUM LIFT-OFFS.
- RAIN HOOD AND HEAT SHIELDS AFFIXED WITH 316SS M8 X 20 ALLEN KEY BUTTONHEAD SET SCREWS AND SPRING WASHERS.
- CABLES PASSING THROUGH CUT-OUTS SHALL BE MECHANICALLY PROTECTED.
- 4 OFF 291mm x 291mm CUT OUTS FOR FAN (GHV30A2220)/ FILTER (GHV30) UNITS
- 2 OFF 223mm x 223mm CUT OUT FOR FAN (GHV2500211)/ FILTER (GHV25) UNITS
- ITEMS 3, 5, 6, 7, 8 - SELECT PART NUMBERS FOR APPROPRIATE SIZE PUMP MOTOR.
- ISOLATORS MUST BE INSTALLED WITH THE 'OFF' POSITION AT 12 O'CLOCK & TURNED CLOCKWISE TO 3 O'CLOCK FOR 'ON'.
- CORNERS OF SUN-SHIELDS TO BE ROUNDED OFF
- ALL LOW VOLTAGE CABLES TO BE DOUBLE INSULATED
- PERSPEX SAFETY SCREENS TO COVER CTs WITH SECONDARY CUTOUTS
- METER TO BE INSTALLED ON A DOUBLE LEAF SEALABLE BACKELITE OF MINIMUM 6MM THICKNESS

AMENDMENTS			
REV	DESCRIPTION	CHECKED	DATE
0	ISSUED FOR REFERENCE		



GLADSTONE REGIONAL COUNCIL

P.O. Box 29, Gladstone Qld. 4680

STANDARD DRAWING

DUAL SEWERAGE PUMP STATION

SWITCHBOARD 22-160KW VSD

EQUIPMENT ARRANGEMENT 6

DRAWING NO.

GRC-ED-132

A1 SHEET

REVISION

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