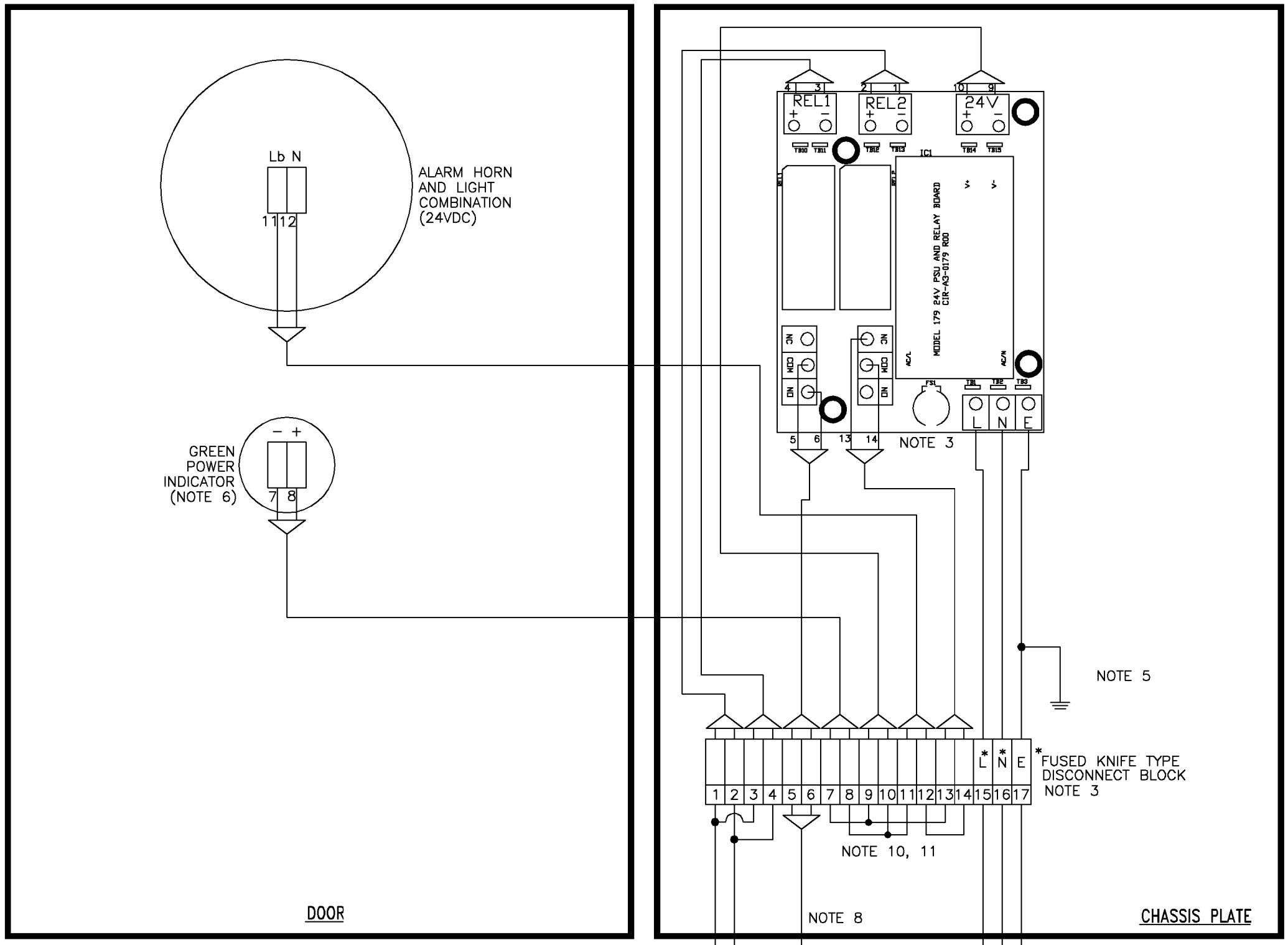
ENCLOSURE FOR ALARM BEACON

N.H.A. **



MASS = 2.126 Kg

NOTES:

1. SUPPLY POWER 110/220VAC.
2. TERMINAL 9 & 12 IN THE METAL DETECTOR MUST BE CONNECTED WITH WIRE LOOP.
3. FUSE FS1 – 1.6A 250VAC 5x20mm SLOW BLOW (T). ALWAYS REPLACE WITH SAME TYPE AND RATING. FITTING A FUSE OF A DIFFERENT TYPE OR RATING COULD LEAD TO DAMAGE TO THE EQUIPMENT AND FIRE.
4. RELAY CHANGE OVER CONTACT IS RATED AT 5A/250VAC OR 5A/30VDC FOR RESISTIVE LOADS & 2A/250VAC OR 3A/30VDC FOR INDUCTIVE LOADS. INDUCTIVE LOADS MUST BE FITTED WITH A FLYBACK DIODE (DC) OR SNUBBER NETWORK (AC) AT THE LOAD.
5. EARTH MUST BE CONNECTED TO THE 24V PSU & CHASSIS PLATE.
6. THE GREEN LIGHT ON THE DOOR INDICATES THE PRESENCE OF 24VDC POWER.
7. THE UNIT WILL AUTOMATICALLY RESET ONCE THE METAL DETECTOR HAS BEEN RESET.
8. TERMINATION IS SUITABLE FOR A SINGLE 2.5mm² OR 2X1.5mm² CONDUCTORS.
9. TERMINAL 1 & 2 MUST BE CONNECTED TO METAL DETECTOR TERMINAL 10 & 11.
10. BRIDGE PIECES ARE INSERTED ON THE TERMINAL BLOCKS – WIRE LOOPS ARE NOT REQUIRED.
11. INTERNAL WIRING: 220VAC LIVE IS BROWN; 220VAC NEUTRAL IS BLACK; 24VDC (+) IS RED; 24VDC (–) IS BLUE.
12. ISOLATE UNIT BEFORE PERFORMING ANY MAINTENANCE TO PREVENT ELECTRIC SHOCK OR DAMAGE.

ISSUED BY: M.Raphalalani
ISSUED DATE: 18 Sept '20
DEPARTMENT ISSUED TO: ERP: Various Dept.
PURPOSE: Latest Rev05 as released for ERP
CHECKED BY: M.E'Silva
APPROVED BY: M.E'Silva

REV	DATE	BY	DESCRIPTION	ENG APPROVED	REVIEWED
05	18 Sept'20	M.RAPHALALANI	DRAWING LAYOUT AMENDED. NOTE 6 AMENDED AS REQUESTED BY R&D.	M.E'SILVA	M.E'SILVA
04	04 AUG'20	J.BORNMAN	TB 4–9 LABELS REMOVED. RELAY 1'S CONNECTORS AMENDED AS REQUESTED by Sales Support & R&D.	C.J.VILJOEN	C.J.VILJOEN
03	10 JUL'20	J.BORNMAN	COMPLETE DRAWING RECONSTRUCTION AND DRAWING TITLE UPDATED AS REQUESTED BY SALES SUPPORT.	C.J.VILJOEN	C.J.VILJOEN
02	28 JUN'18	J.BORNMAN	NOTE 1 AMENDED. NOTES 2, 3 & 7 DELETED AS REQUESTED BY PRODUCTION.	C.J.VILJOEN	C.J.VILJOEN
01	22 JUN'18	J.BORNMAN	ISSUED FOR DISTRIBUTION	C.J.VILJOEN	C.J.VILJOEN
00	22 JUN'18	J.BORNMAN	ISSUED FOR COMMENTS	C.J.VILJOEN	C.J.VILJOEN

Copyright Process Automation (PTY) LTD. RANDBURG

"THE INFORMATION HEREIN CONTAINED IS CONFIDENTIAL AND FOR YOUR EYES ONLY, AND THE COPYRIGHT IN THIS WORK VESTS IN PROCESS AUTOMATION (PTY) LTD, AND YOU BY ACCESSING THIS DRAWING, AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF THE COPYRIGHT ACT AND TO ACT ACCORDINGLY."

ENG APPROVED	C.J.VILJOEN
DATE	22 JUN'18
DRAWN BY	J.BORNMAN
DATE	22 JUN'18
REVIEWED BY	C.J.VILJOEN
DATE	22 JUN'18

Tolerance unless otherwise noted:
≤100mm±0.4mm ; >100mm±0.8mm
>500mm±1.6mm ; >1000mm±2.0mm
>2000mm±4.0mm ; Angles ±1°
ALL DIMENSIONS ON PRECISION WORK ARE APPLICABLE AT 20°C AND NO DIMENSIONS TO BE SCALED OFF DRAWING.

TITLE: METAL DETECTOR ALARM UNIT INTERCONNECT WIRING DIAGRAM

CUSTOMER: ** | TAG NO/S: **

JOB REF NO. ** | SCALE: N.T.S. | A3

DWG. NO. WIR45024–001–206 | SHEET 1 of 1 | REV 05