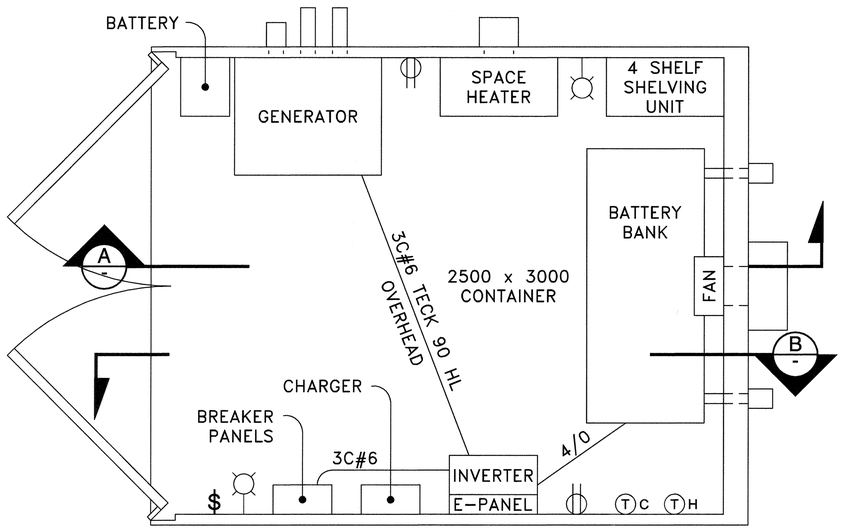


TOILET SOLAR POWER CONTAINER PLAN

N.T.S.

NOTES:

GENERATOR: ONAN QC 6500/2145 – 6.5 HGJAE PROPANE,
12VDC STARTING BATTERY FOR GENERATOR – AGM TYPE

INVERTER: MAGNUM ENERGY MS4448E; MOUNTED ON EPANEL

CHARGER: OUTBACK FLEXMAX 80

E–PANEL: MIDNITESOLAR MNE–240 SERIES 250A
- DC BREAKERS BETWEEN PV SUPPLY AND CHANGE CONTROLLER 63A 150V DC MAIN AND 63A 2P 150VDC GFP
- DC BREAKER BETWEEN CHANGE CONTROLLER AND BATTERY BANK 8A 150VDC
- DC BREAKER BETWEEN BATTERY BANK AND INVERTER 175A 150V DC POS ONLY
- AC BYPASS SWITCH 50A 2P 250VAC
- AC BREAKERS BETWEEN GENERATOR AND INVERTER 30A 2P 250VDC
- AC BREAKERS TO SUPPLY BUILDING DISTRIBUTION PANEL 50A 2P 250VDC

BATTERY BANK: 16 SURRETTE (920 AH @ 100 HOUR RATE) S460 6VDC DEEP CYCLE BATTERIES
– TIE INTO 2 STRINGS AT 48 VAC, #2/0 CABLES

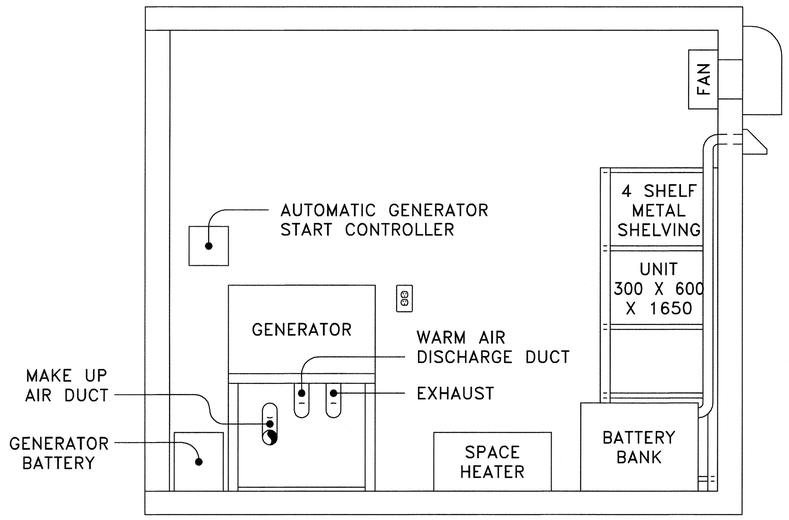
BREAKER PANEL: 8 CIRCUIT – 2–30A 2P 120/240 4–15A – 1 POLE

SPACE HEATER: 20,000 BTU, PROPANE, PILOT LIGHT, MICROVOLT THERMOSTAT

FAN: 200 mm CANARM STANDARD FAN OPERATED BY COOLING THERMOSTAT

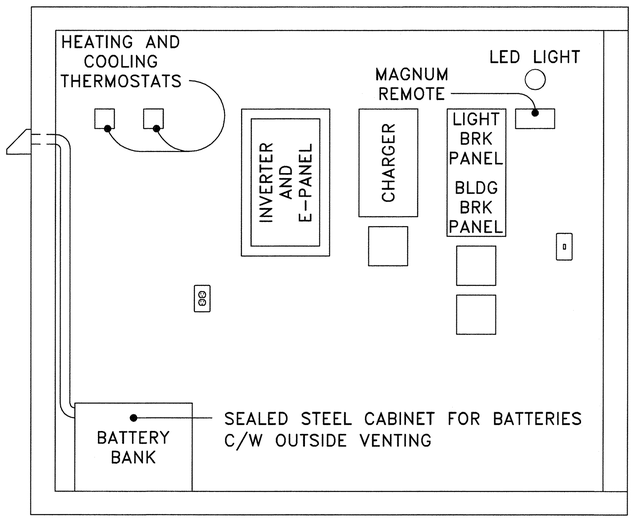
LEGEND:

- $ — SINGLE POLE SWITCH
- 110V DUPLEX RECEPTICLE
- 12VDC LED LIGHT FIXTURE WALL MOUNTED
- TH — THERMOSTAT HEATING
- TC — THERMOSTAT COOLING



A – SECTION

N.T.S.



B – SECTION

N.T.S.

NOTES:
- ALL DIMENSIONS SHOWN IN MILLIMETRES
- WIRING NOT SHOWN FOR CLARITY
- WORK THESE DRAWINGS TOGETHER CB6–4.6M1 TO 14A, 16, 18 TO 20

THINK SAFETY FIRST

CAD FILE No. Washroom–ElecContainer

REV	DATE	REVISIONS	BY
3			
2	2013-01-18	REVISED SHEET SURROUND	AN
1	2012-02-07	ISSUED	AN

DESIGNER AN AN CHECKER

RECOMMENDED DIRECTOR HIGHWAY OPERATIONS

APPROVED EXECUTIVE DIRECTOR TECHNICAL STANDARDS BRANCH

DATE FEB 8/13

Alberta Transportation

DOUBLE TOILET
SOLAR-POWER CONTAINER BUILDING
SHEET 1

DEPARTMENT BAR CODE	DATE	SHEET	DRAWING
	2012-02-07	20 OF 21	CB6-4.6M19