NOTE:

1) PV array to be bonded through aluminum racking system as per manufactures instruction and CE Code Section 10. The bonding of the solar modules shall be a minimum #6-Cu and made in such a manner that disconnection or removal of the equipment will not interfere with or interrupt bonding continuity

2) Roof mount array wiring and connections must be installed in accordance with CE Code 64-210, 64-220.

3) Midnite Classic 150 Charge Controller has integrated arc fault and ground fault protection, the settings of this device must be adjusted to meet the battery manufacturers recommend charging process.

4) Voc x 1.25 calculated in accordance with Section 64-202 of CE Code. Isc x 1.25 calculated in accordance with section 64-206 of CE Code.The photovoltaic output circuit and photovoltaic source circuit conductors shall be sized for not less than 125% of the rated short-circuit current of that photovoltaic circuit and the voltage drop shall not exceed 5% of the rated operating voltage. Module wiring and connections shall be made in accordance with CE Code 64-210 and 64-220.

5) System is compliant with CE Code Section 64-218 'Photovoltaic System Rapid Shutdown'.

6) Single line diagram to be posted at these locations.

7) This photovoltaic system is considered inaccessible to the public and would only be operated or serviced by qualified personnel.

8) Batteries are to be kept in a closet accessible only to authorized personnel. This closet shall be adequately ventilated and not be subjected to ambient temperatures greater than 45 °C or less than the freezing point of the electrolyte. The shelving on which batteries are mounted shall be level, of sufficient strength to carry the weight of the battery; and designed to withstand vibration and sway where appropriate. Battery cells shall be spaced a minimum of 10 mm apart or per manufacturers recommendations. The wiring between cells and batteries and between the batteries and other electrical equipment shall be open wiring, copper conductor corrosion-resistant sheathed cable, approved for hard-service use and identified as moisture-resistant.

9) Overcurrent devices used in any dc portion of this renewable energy power system shall be specifically approved for its purpose and be so marked (ie: backfed capable, marked for dc use)

10) Field certification on inverter and e-panel assembly will be required. Equipment and assembly shall bear "Special Inspection Service" mark after field certification is approved.

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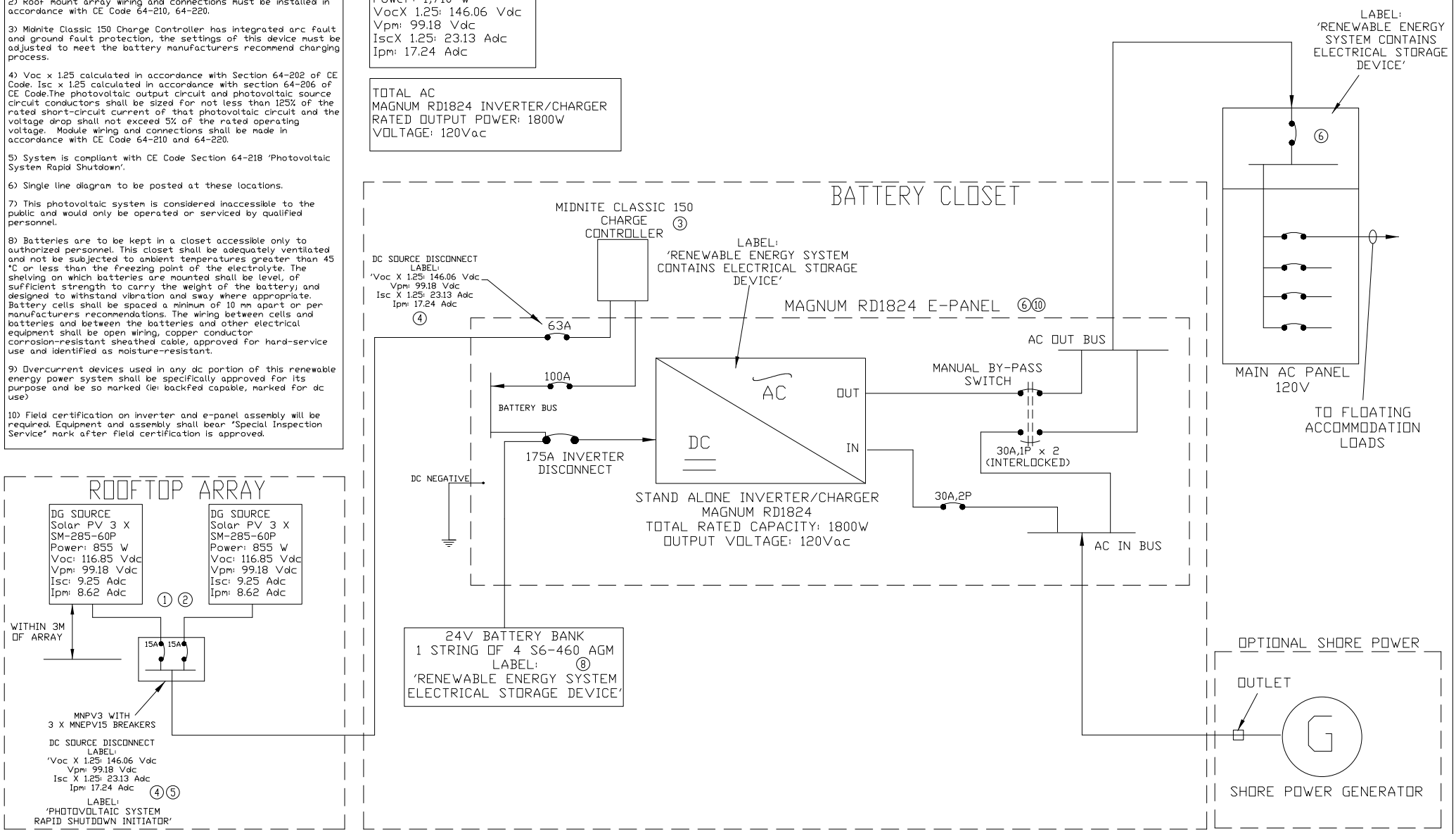
TOTAL DG SOURCE
Solar PV
6X STARK SM-285-60P
Power: 1,710 W
VocX 1.25: 146.06 Vdc
Vpm: 99.18 Vdc
IscX 1.25: 23.13 Adc
Ipm: 17.24 Adc

TOTAL AC
MAGNUM RD1824 INVERTER/CHARGER
RATED OUTPUT POWER: 1800W
VOLTAGE: 120Vac

REVISIONS			
REV.	DESCRIPTION	DRAWN BY	DATE
-	INITIAL RELEASE	JB	02/10/17
A	DETAIL PAGES ADDED	JB	02/14/17



H.E.S. PV

320 MARY ST.
VICTORIA, BC V9V 3V9
1-866-258-0110
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COMMENTS:

HES PV

UNLESS OTHERWISE SPECIFIED:

INTERPRET GEOMETRIC TOLERANCING PER:

SD-

	NAME	DATE
DRAWN	JB	11/15/16
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

TITLE: PARKS CANADA CABIN -SLD
BEAUSOLEIL ISLAND
GEORGIAN BAY, ONTARIO

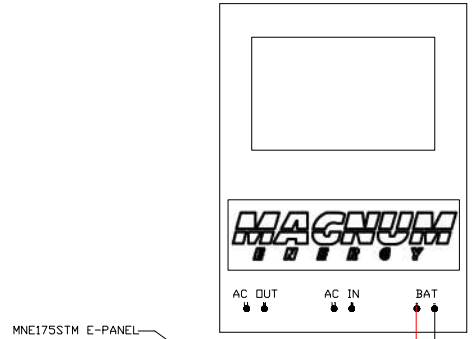
DWG. NO. 105010 | REV A | PAGE 01

SCALE: NTS | SHEET SIZE: A | SHEET 1 OF 1

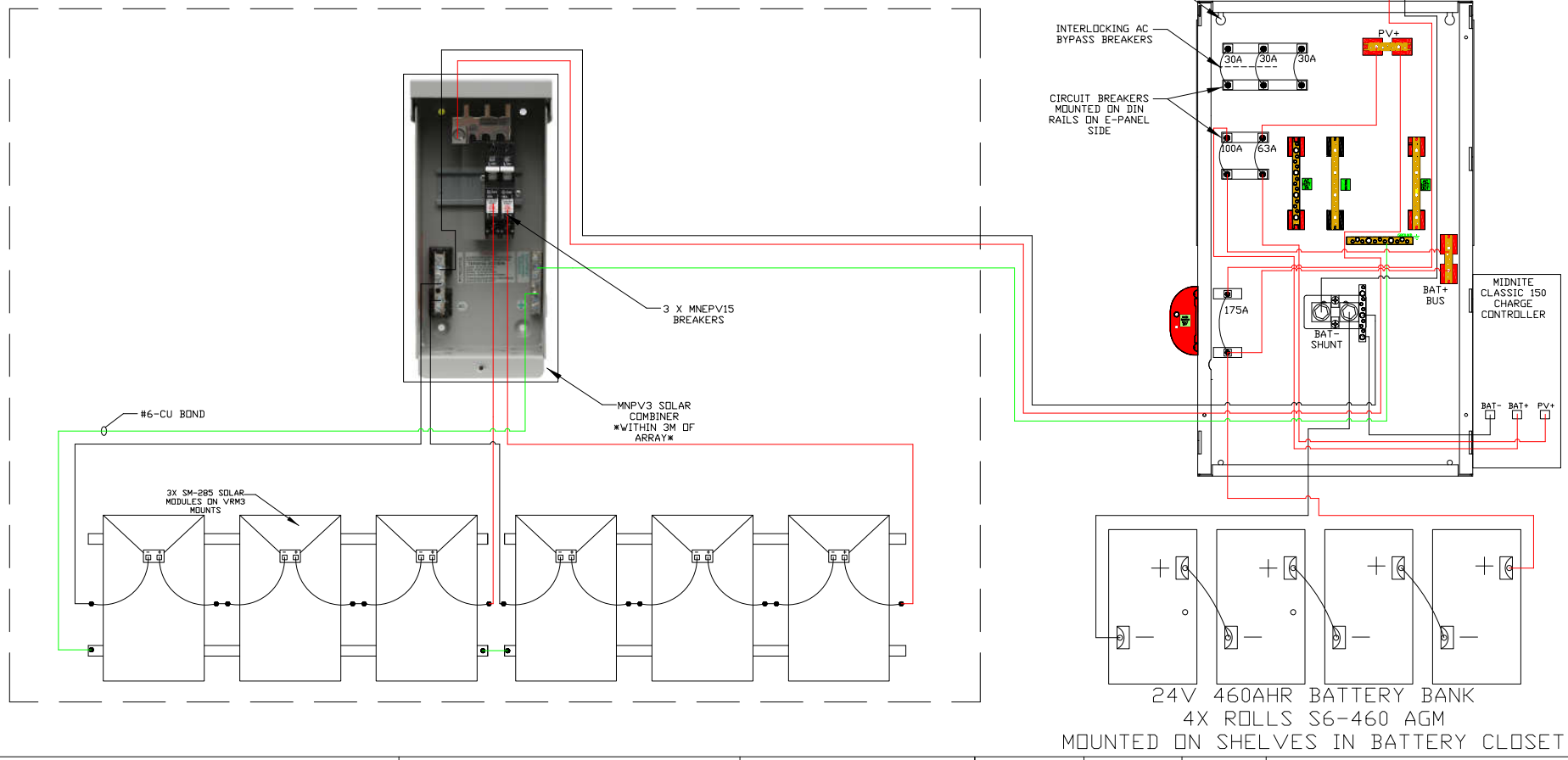
5 4 3 2 1

PARKS CANADA FLOATING ACCOMMODATION
DC DETAIL WIRING

MAGNUM RD1824 INVERTER/CHARGER
MOUNTED ON E-PANEL FRONT COVER



FLOAT ACCOMMODATION ROOFTOP ARRAY



24V 460AHR BATTERY BANK
4X ROLLS S6-460 AGM
MOUNTED ON SHELVES IN BATTERY CLOSET

H.E.S. PV
320 MARY ST.
VICTORIA, BC V9V 3V9
1-866-258-0110
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COMMENTS:

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SD-

	NAME	DATE
DRAWN	JB	11/15/16
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

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DWG. NO. 105010 | REV A | PAGE 02

SCALE: NTS | SHEET SIZE: A | SHEET 1 OF 1

5 4 3 2 1