

1 SINGLE LINE DIAGRAM

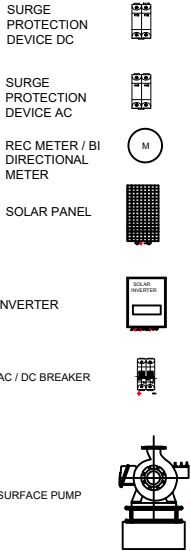
2 555W SOLAR PANEL

4 LEGEND

MODULE NUMBER	LR5-72HPH 555M
RATED MAXIMUM POWER	555W
CURRENT AT P _{MAX}	13.9 A
VOLTAGE AT P _{MAX}	42.1 V
SHORT CIRCUIT CURRENT	14.04 A
OPEN CIRCUIT VOLTAGE	49.95V

1 SOLAR PUMP INVERTER

Model	Pv1002R2GSS
Input	
Max. DC Input Voltage (V)	440V
Rated DC Input Voltage (V)	220V
MPPT Voltage Range (V)	200~400
Output	
AC output rated apparent power (VA)	2.2KW
Max. Apparent Power (VA)	2.2KW
Rated Output Voltage (V)	220/230
Rated AC Frequency (Hz)	50/60
AC inputput rated current (A)	24A
Rated Current (A)	14A



5 ELECTRICAL NOTES

- ALL ELECTRICAL WORKS INDICATED SHALL BE DONE IN ACCORDANCE WITH THE LATEST PROVISION OF THE PHILIPPINES ELECTRICAL CODE RULES AND REGULATION.
- ALL MATERIALS TO BE USED SHALL BE NEW AND APPROVED TYPE FOR ALL LOCATION AND PURPOSES.
- ALL INSTALLATION SHALL BE DONE IN GOOD AND NEAT WORKMANSHIP.
- ALL ELECTRICAL WORKS SHALL BE DONE UNDER THE DIRECT SUPERVISION OF PROFESSIONAL ELECTRICAL / ELECTRONICS ENGINEER / REGISTERED ELECTRICAL ENGINEER OR MASTER ELECTRICIAN.

SOLAR PANEL PER STRING

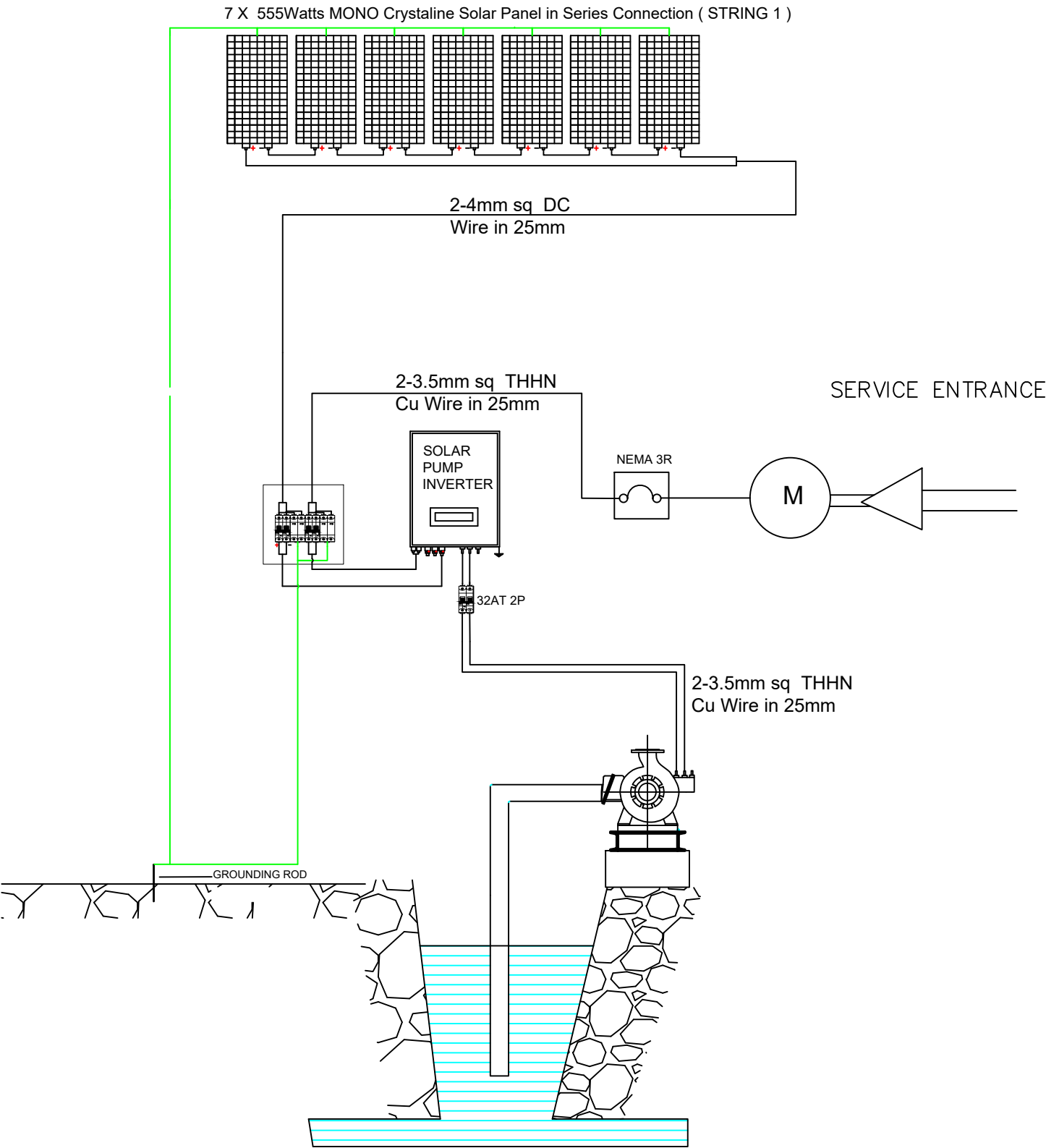
ISC = (14.04A) X 1.25 = 14.98A
USE : 16AT DC BREAKER , 700V SPD
2-4mm sq DC Wire in 20 mm sq
Liquitight Conduit or uPVC

2HP SURFACE PUMP

ISC = (6.2) X 200% = 12.4A
USE :20AT 2-3.5mm sq THHN
Cu Wire in 25mm

PUMP INVERTER

ISC = (2.2KW) /230V = 9.56A
USE :20AT 3.5mm sq THHN Cu



CONTRACTOR/DRAWN	PRC REG.NO.	PROJECT TITLE:	APPROVE BY	LOCATION	SHEET CONTENTS :	
SOLARAMP	PIR NO.	2HP SOLAR WATER PUMP	OWNER		AS SHOWN	I
PROFESSIONAL ELECTRICAL ENGINEER	DATE ISS.					
	PLACE ISS.					
	T.A.N.					