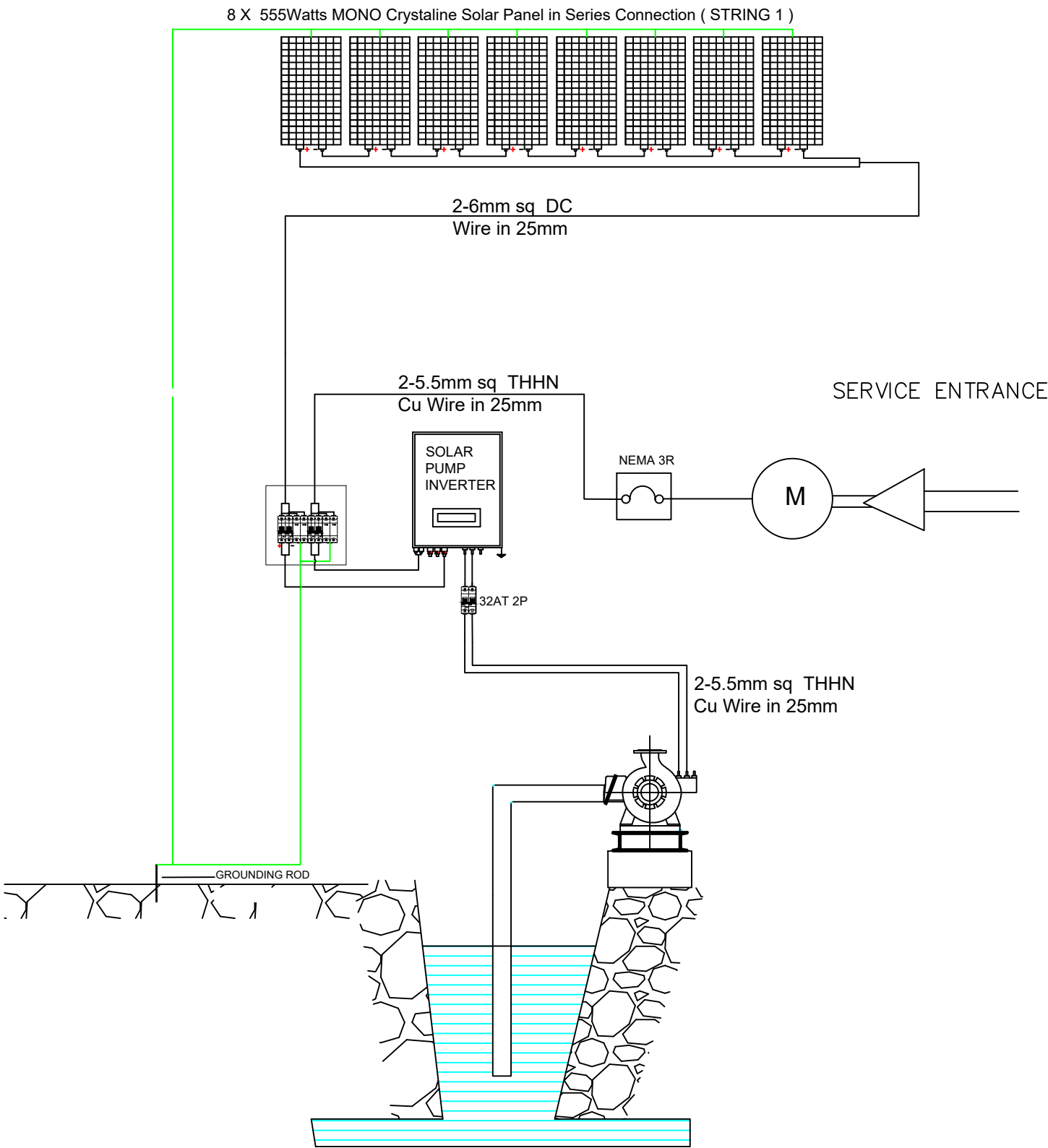


1 SINGLE LINE DIAGRAM



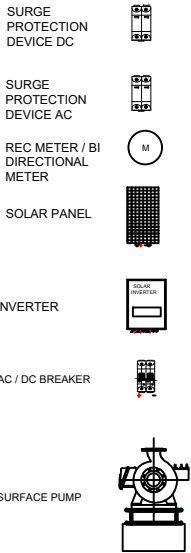
2 555W SOLAR PANEL

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	STS-10KTL
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)	4KW
Max. Apparent Power (VA)	4KW
Rated Output Voltage (V)	220/230
Rated AC Frequency (Hz)	50/60
AC inputput rated current (A)	30A
Rated Current (A)	23A

4 LEGEND



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

4HP SURFACE PUMP

ISC = (11) X 200% = 22A
USE :32AT 5.5mm sq 4 Core
Royal Cord Cu (G) in 25mm sq RSC

PUMP INVERTER

ISC = (4.4KW) /230V = 19.13A
USE :32AT 5.5mm sq THHN Cu

CONTRACTOR/DRAWN	PROFESSIONAL ELECTRICAL ENGINEER	PRC REG.NO. PTR NO. DATE ISS. PLACE ISS. T.J.N.	PROJECT TITLE: 4HP SOLAR WATER PUMP	APPROVE BY OWNER	LOCATION	SHEET CONTENTS : AS SHOWN	I
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