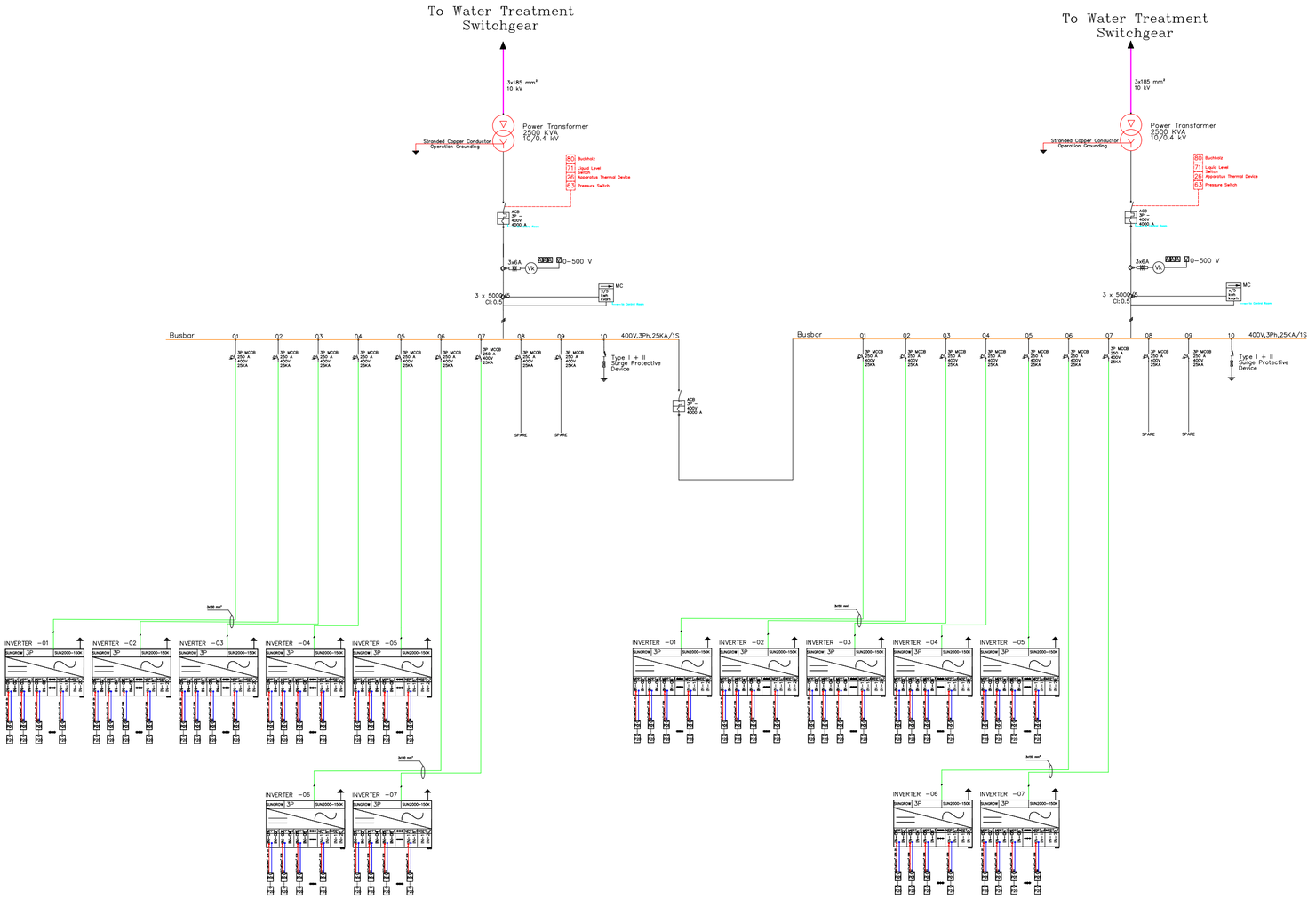

SYMBOL	DEFINITION	SYMBOL	DEFINITION
	Low Voltage Circuit Breakers + Stray Current	x/5A x/5 kwh kvarh	Electronic x/5 Counter
	Thermal Magnetic Circuit Breaker Leakage Current		Low Voltage Current Transformer
	HV/LV Power Transformer		Double-Spaced High Voltage Current Transformer
	High Voltage Surge Arresters		DC/AC Inverter
	Low Voltage Surge Arresters	A	Ammeter
	Fuse Switch Disconnector	V	Voltmeter
	Solar Panel	Vk	Voltmeter Commuter
	Knife-Type Fuse		External Fused Ground Disconnector
67/67N	Directional Overcurrent Relay	50N/51N 50/51	Ground-Fault Relay Over Current Relay
M	Mechanical Locking		
	Disconnecting Switch	E	Electric Locking

Inverter	150 kWp Huawei
Total Inverter	14 pcs
Total String	141 pcs
Number of String per Inverter	10 String
Number of Panel per String	20 pcs

Electrical Values of Inverter	
Input (DC)	
Maximum Current per Input	20 A
Maximum Input Voltage	1100 V
MPPT Voltage Range	200 ~ 1100 V
Maximum Input Current per MPPT	49 A
Maximum Short-Circuit Current per MPPT	40 A
Output (AC)	
Nominal AC Active Power	150 kW
Nominal AC Voltage	3 / (N) / PE; 400 V
Maximum Output Current	3 x 241 A
Rated Mains Frequency	50 Hz

REV.	DESCRIPTION	SEND DATE	RECIVED DATE		BY	DATE
03				DESIGN.		
02				DRAWN.		
01				CHECK.		
00	FIRST ISSUE			APPROVE.		

CLIENT:
POUYA ENERGY CO.

CONTRACTOR:
AZARAKHSH ENERGY
آذرخش انرژی مهام‌شرق

PROJECT:
Khangiran 2 MW SOLAR POWER PLANT

CONTRACT NO:
Hashemi Nezhad Refinery Co.

TITLE:
GENERAL SLD

DWG. NO:

SCALE:

SIZE: A3

SHEET:

NEXT: