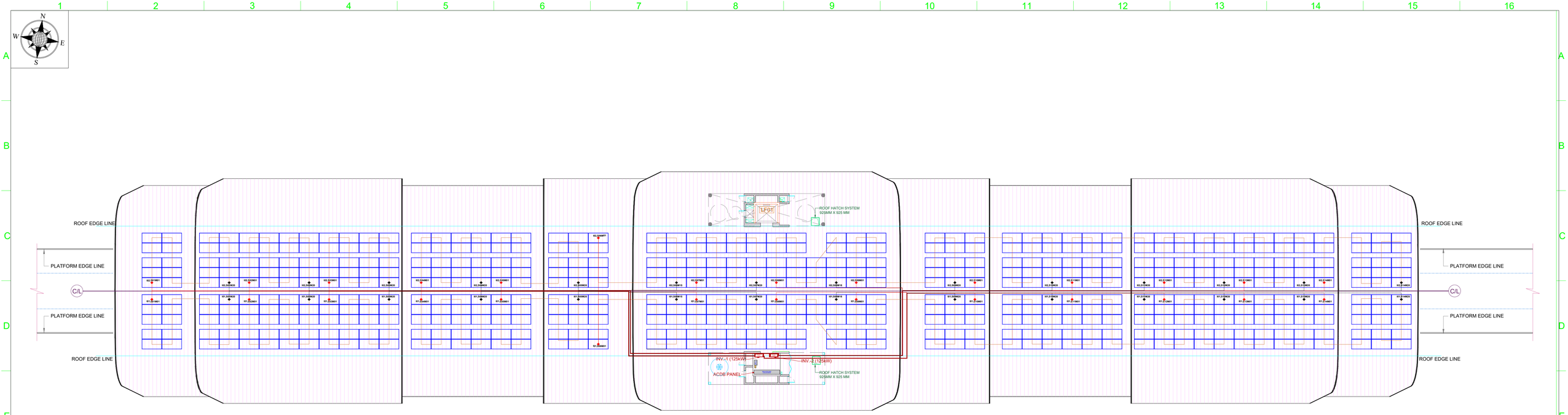

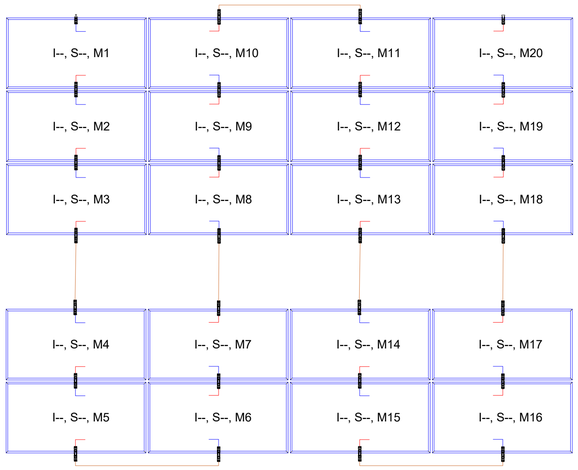

DC STRING CONNECTION
SAMPLE FOR MODULE STRING CONNECTION

GENERAL NOTES :-

1. 1CORE. 4 SQ. MM, ANNEALED TINNED FLEXIBLE CU CONDUCTOR ELECTRON BEAM CROSS LINKED XLPO 120 DEG C, SHEATHED AND INSULATED, ANTI TERMITE & ANTI RODENT, CONFORMING TO EN 50618 STANDARD-FRLS TYPE (TYPE : 1) USE FOR STRINGING.
2. 4 SQ. MM., 1000 V DC, IP68, APPLICATION CLASS-A, PROTECTION CLASS -2. (MALE & FEMALE PAIRS) USE.

INVERTER STRING DETAILS

Inverter No.	Inverter (kW)	Total No. of Inverter	Module (Wp)	Module in Series	String in Parallel	DC Capacity (kWp)	AC Capacity (kW)	Total Modules	DC/AC Ratio
1	125	1	570	20	12	136.80	125	273	1.24
			570	18	1	10.26			
			570	15	1	8.55			
2	125	1	570	20	12	136.80	125	273	1.24
			570	18	1	10.26			
			570	15	1	8.55			
					Total =	28	311.22	250.00	546	1.24

NAMING LEGEND

I01,S01,M01
- MODULE NO.
- STRING NO.
- INVERTER NO.

LEGENDS

	SOLAR MODULES
	INVERTER - 1
	INVERTER - 2
	AC DISTRIBUTION BOX

SYSTEM DESCRIPTION

SITE LOCATION	18.5095809 N, 73.8134996 E
TOTAL PLANT CAPACITY (DC)	311.22 kWp
TOTAL PLANT CAPACITY (AC)	250.00 kW
DC / AC RATIO	1.24
MODULE CAPACITY	570 Wp (JINKO)
MODULE DIMENSION (L X W X H)	2278 X 1134 X 35 mm
NUMBER OF PV MODULES (SOUTH)	273 Nos.
NUMBER OF PV MODULES (NORTH)	273 Nos.
TOTAL PV MODULES	546 Nos.
INVERTER CAPACITY	125 kW - INVERTER - 1 & 2 2 Nos. (SUNGROW)
TILT	2°
AZIMUTH	172°(NORTH) , -8° (SOUTH)

NOTES:
THIS DRAWING MUST BE READ CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL, PLUMBING&FIRE FIGHTING,ELECTRICAL AND TRAFFIC MANAGEMENT DRAWING.

REV NO	DATE	DESCRIPTION	SIGN

THE RESPONSIBILITY OF CONTROL, CHECK & VERIFICATION OF ACCURACY, CORRECTNESS, COMPLETENESS, INTEGRATION & FULL COMPLIANCE OF THE CONTRACT PROVISIONS IN RESPECT OF DESIGN, ANALYSIS AND DRAWINGS RESTS WITH THE DETAILED DESIGN CONSULTANT / DETAILED DESIGN CONSULTANT & CONTRACTOR.
IT IS CERTIFIED THAT THERE IS NO CHANGE IN THIS GFCD FROM THE ALREADY APPROVED CR DWG NO. "..... REV....." APPROVED ON DATE .....

DDC				CONTRACTOR
SIGN:	SIGN:	SIGN:	SIGN:	SIGN:
DATE: 14/04/2023	DATE: 14/04/2023	DATE: 14/04/2023	DATE: 14/04/2023	DATE:
NAME: CMR	NAME: CMR	NAME: DGB	NAME: KHR	NAME:
DRAWN BY	DESIGN BY	CHECKED BY	APPROVED BY	ACCEPTED BY

DETAIL DESIGN CONSULTANT : PROSUMERS SOLAR

JHAMTANI PROSUMERS SOLAR PVT. LTD.

THIS DRAWING INCLUDING ITS DESIGN AND DETAILING HAS BEEN **PROOF CHECKED** INDEPENDENTLY AND FOUND SUITABLE FOR THE EXECUTION PURPOSE AND IS RECOMMENDED FOR GFC / NO OBJECTION'.

PROOF CONSULTANT		
	SIGN:	
	DATE:	
---	NAME: ---	
REVIEWED BY (STRUCT. ENGG.)	APPROVED BY (TEAM LEADER)	

☐ Proof checked by GC
☐ Being Given No Objection
☐ Issued As Good For Construction.

SIGN:		SIGN:	
DATE:		DATE:	
NAME: ---		NAME: ---	
REVIEWED BY		APPROVED BY	

AECOM-SYSTRA-CEG
(GENERAL CONSULTANT TO PUNE METRO RAIL PROJECT)

COUNTER SIGNED BY MAHA METRO

DY. HOD

HOD

PROJECT: PUNE METRO RAIL PROJECT
The Orion Building, 1st Floor, Opposite Don Bosco Center, Near Saint Mira's Girls College, Koregaon Park, Pune - 411001, MH, India

CLIENT: MAHARASHTRA METRO RAIL CORPORATION LTD.

LOCATION: VANAZ METRO STATION

TITLE: GENERAL ARRANGEMENT LAYOUT
(311.22 kWp(DC) ROOF TOP SOLAR PLANT)

SCALE: 1:200 | DATE: 14/04/2023 | STATUS:

DRG NO: MWB11-JBP-EL-PRM-VNZ-DDT-0002

REVISION NO: R1

STRUCTURE

TBA