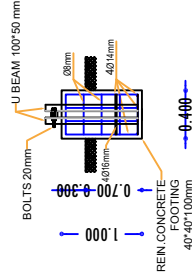
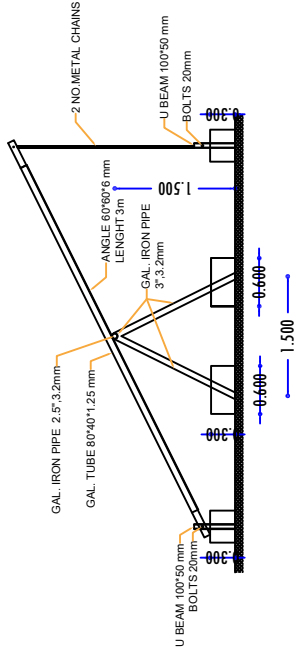


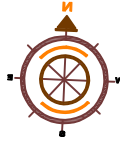
① **CONCRETE FOOTING** **F1**

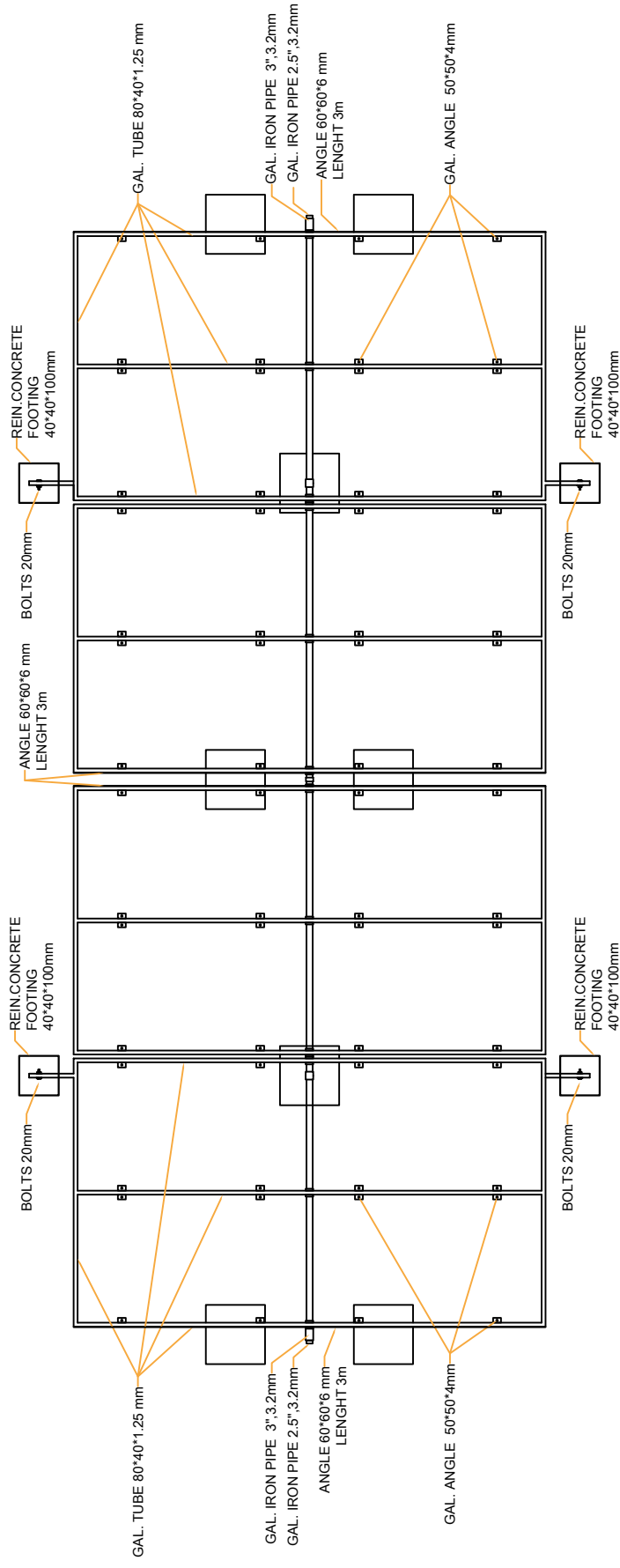


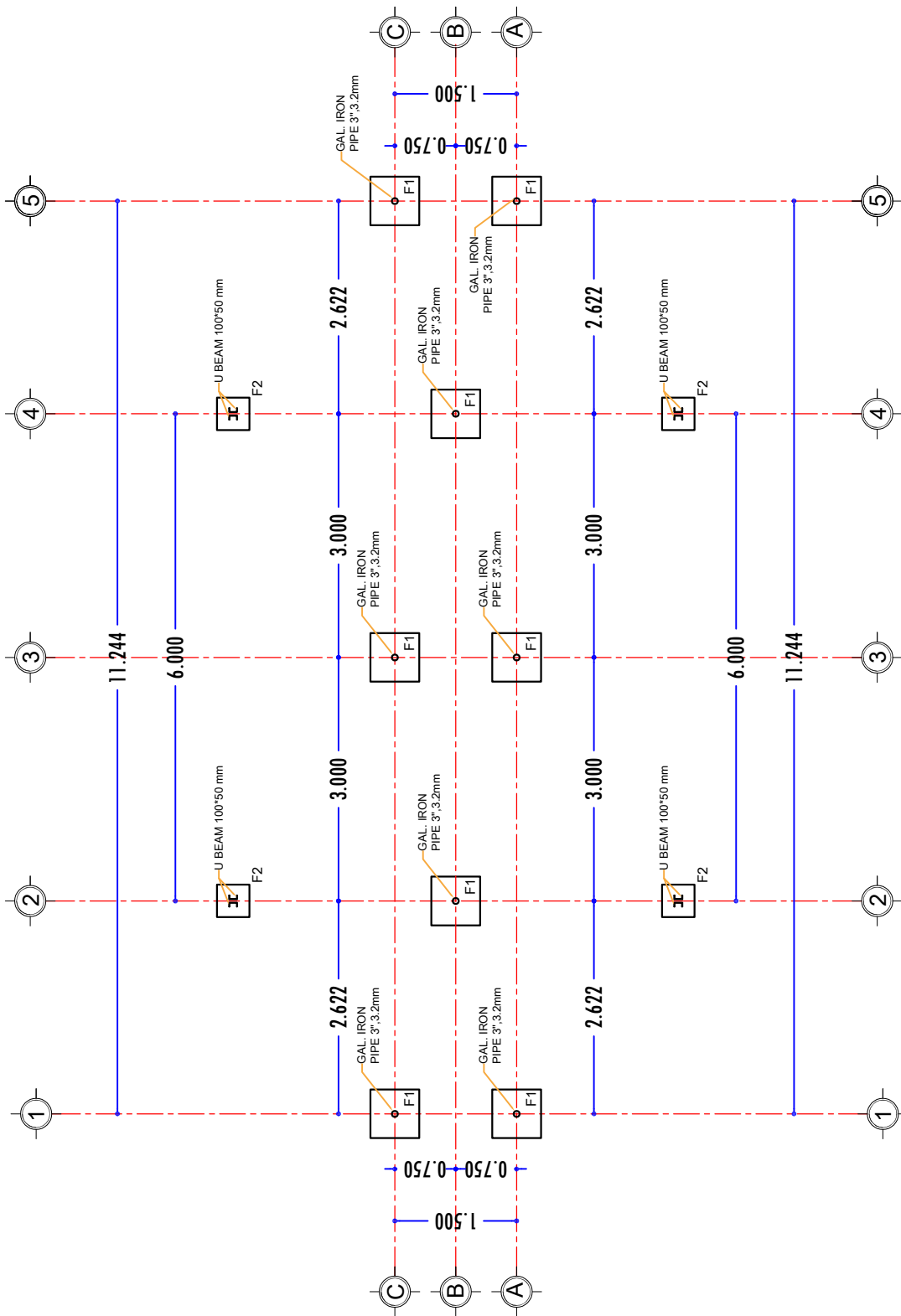
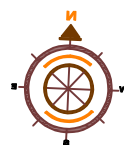
② **CONCRETE FOOTING** **F2**



③ **SIDE ELEVATION** **STRUCTURE DETAILS**

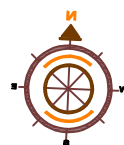
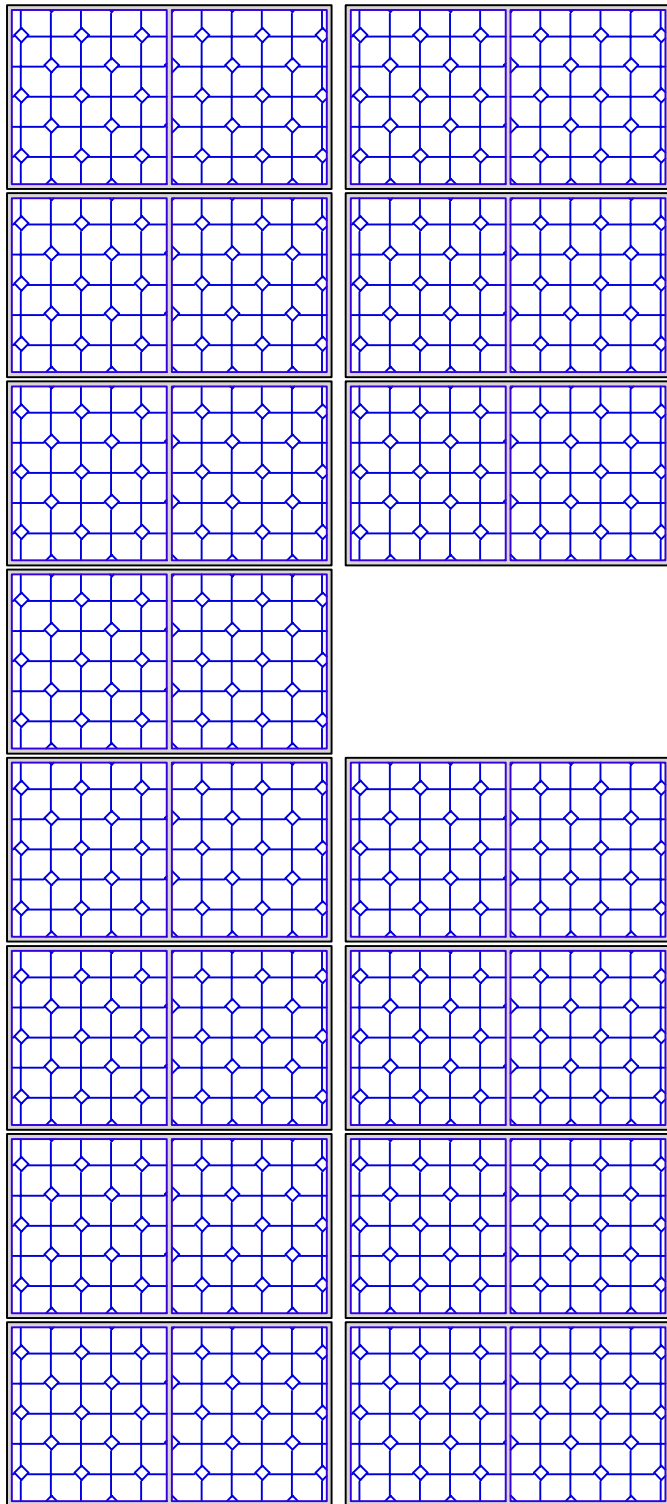






0-030

0-100

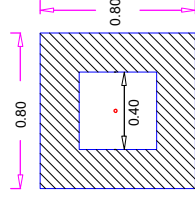


المشروع
من القاء الى المصور FutuRe
المسوق
البنين - حضرموت - ساه 1
التاريخ
2025

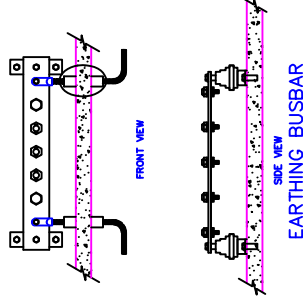
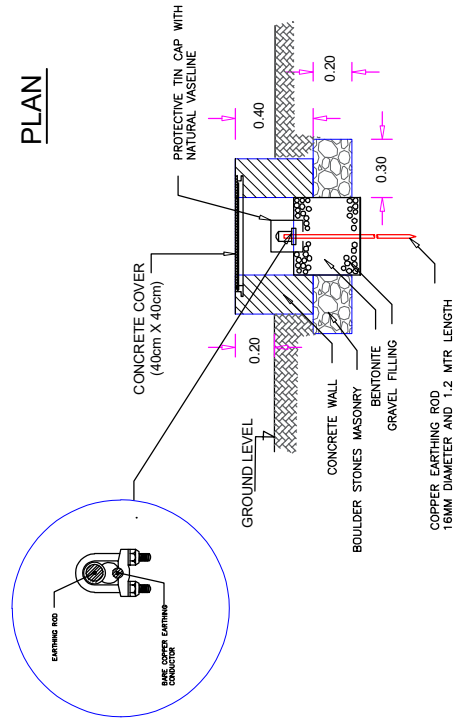
EARTHING PIT DETAILS

Note:

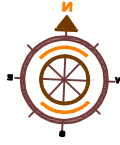
- 1- The DC earthing system must be separated from AC earthing system.
- 2- Each lightning system shall have its own earthing system including its own earthing pit.
- 3- The minimum distance between each earthing pit shall be at least 6 m
- 4- Backfilling shall include Bentonite, soil, water, coal and salt layers.



PLAN

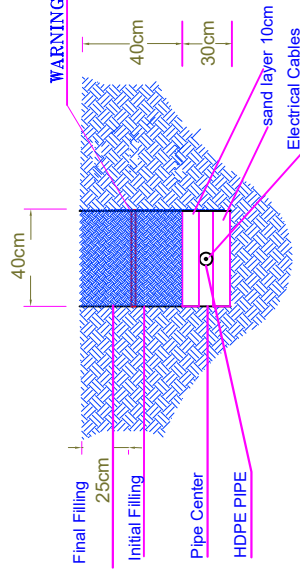


EARTHING BUSBAR



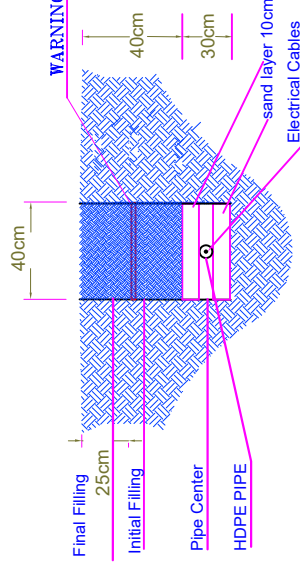
UNDERGROUND CABLES

Note:
The fill factor of all pipes must be 40% - thus, 60%
of pipes' inside area shall not be occupied



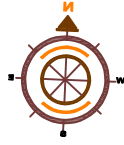
AC Cables From Inverter To Motor

SECTION -A

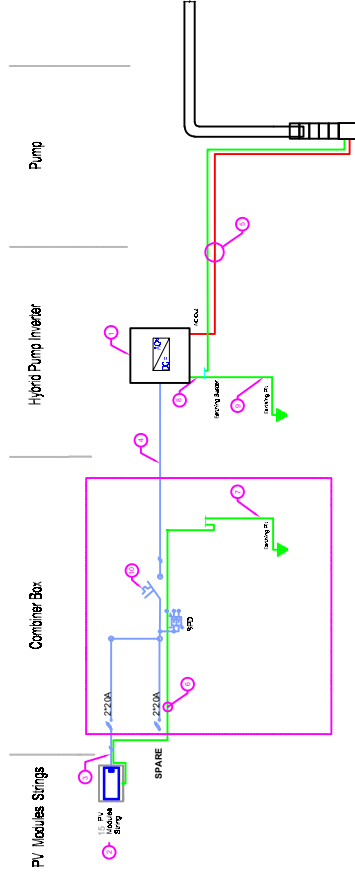


DC Cables From Combiner Box To Inverter
DC Cables From PV Strings To Combiner Box

SECTION-B



SINGLE LINE DIAGRAM (SLD)



Sn	Item	Size / Capacity
1	Inverter Power, KW	11
2	# of PV Strings	1
3	DC cable Between Arrays(mm2)	6mm2
4	DC cable Between Combiner & Inverter (mm2)	6mm2
5	Pump AC Cable (mm2)	(3x10)+10mm2
6	Earthing Cable between PV strings and Inverter (mm2)	1x6
7	Earthing Cable from bus bar to earthing pit (mm2)	1x16

Sn	Item	Size / Capacity
8	Earthing Cable from inverter to the Bus bar (mm2)	1x10
9	Earthing Cable from bus bar to earthing pit (mm2)	1x16
10	COMBINER DC CIRCUIT BREAKER SIZE MCCB, A	40

