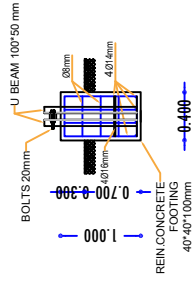
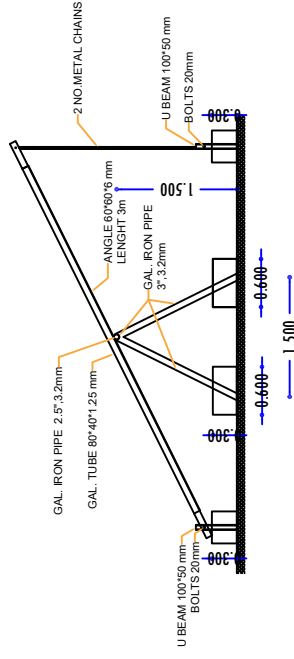


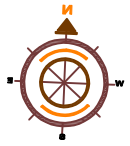
① **CONCRETE FOOTING** **F1**

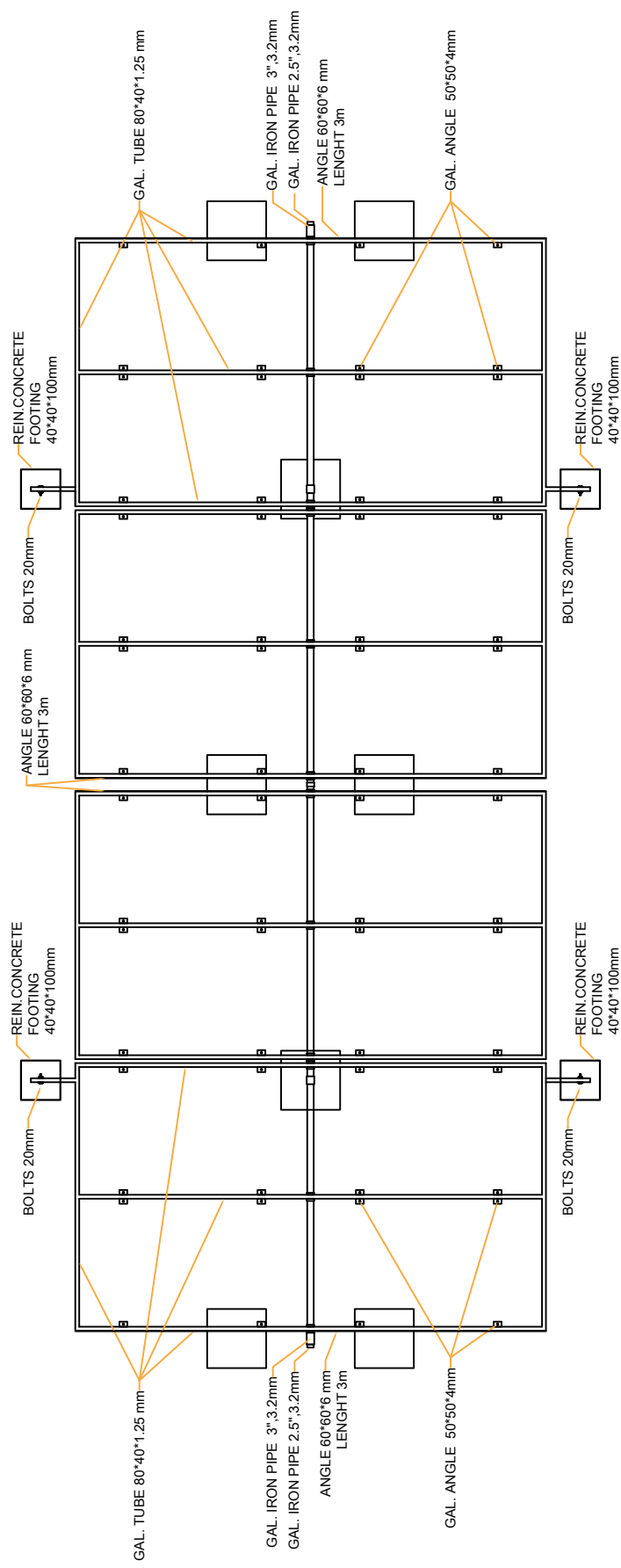


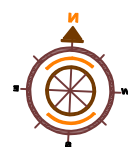
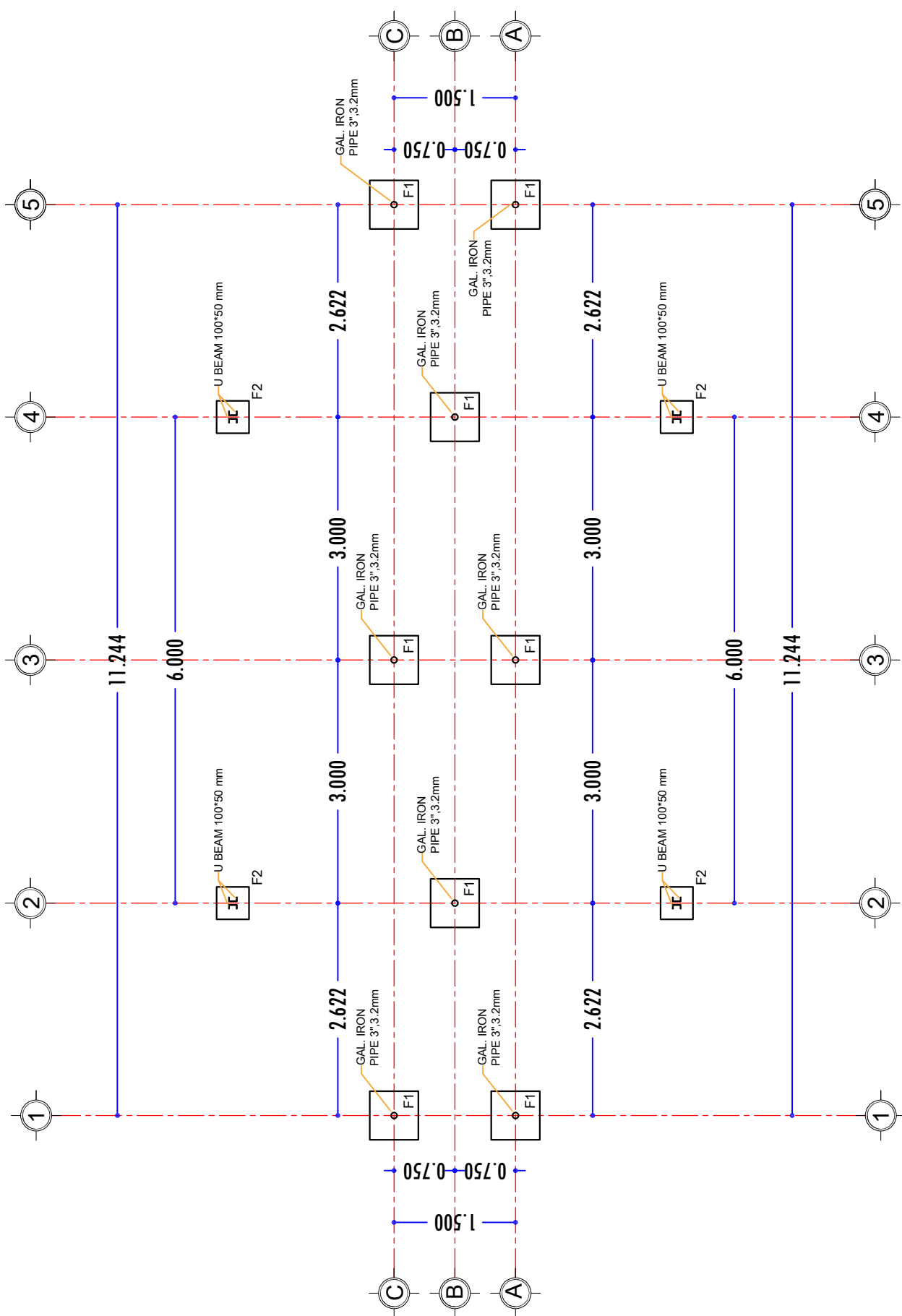
② **CONCRETE FOOTING** **F2**



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

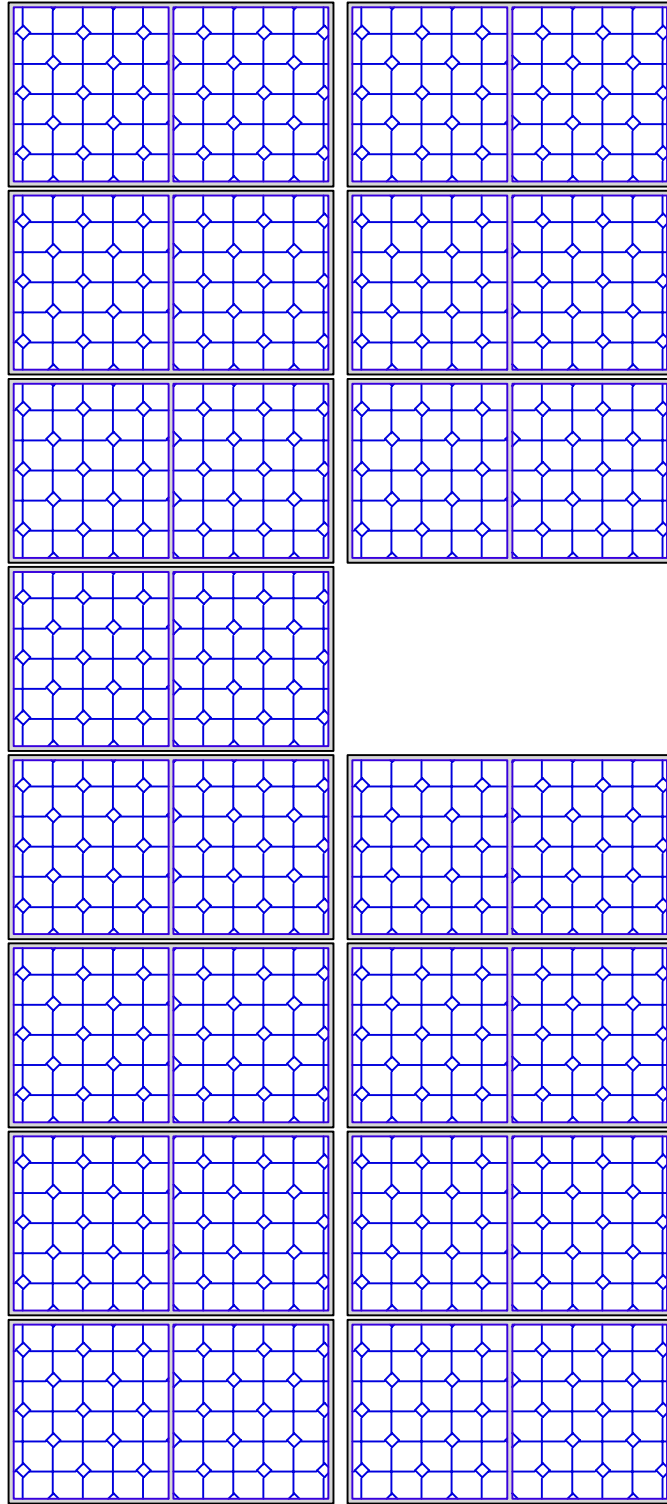




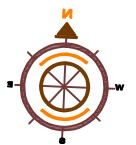


المشروع
 من النشاء الى الصمود
 FUTURE
 المرفوع
 البوم - حضرموت - ساء 2
 التاريخ
 2025

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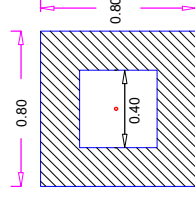
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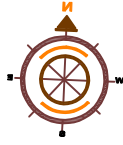
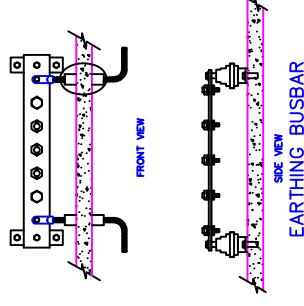
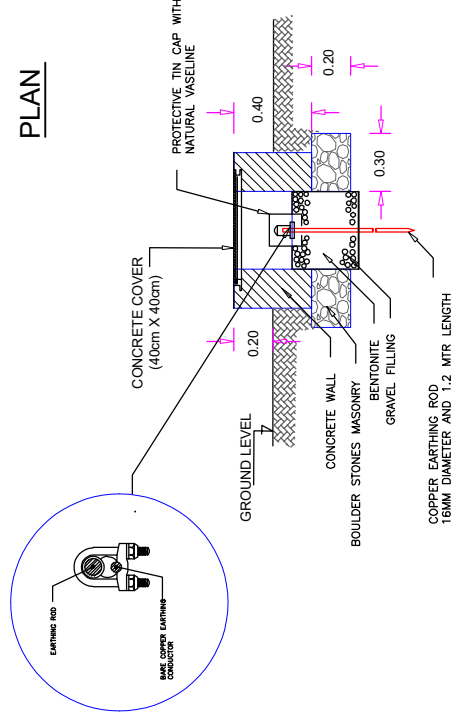
المشروع
من القاء الى الصمود
FUTURE
المشروع
الهيكل - حشرونك - ساه 2
التاريخ
2025

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.



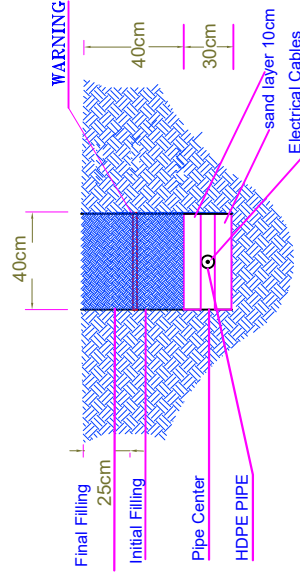
PLAN



UNDERGROUND CABLES

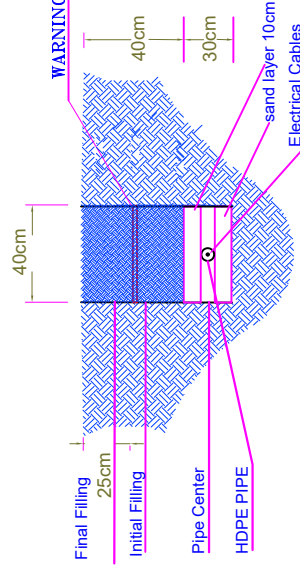
Note:

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



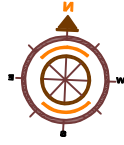
AC Cables From Inverter To Motor

SECTION -A

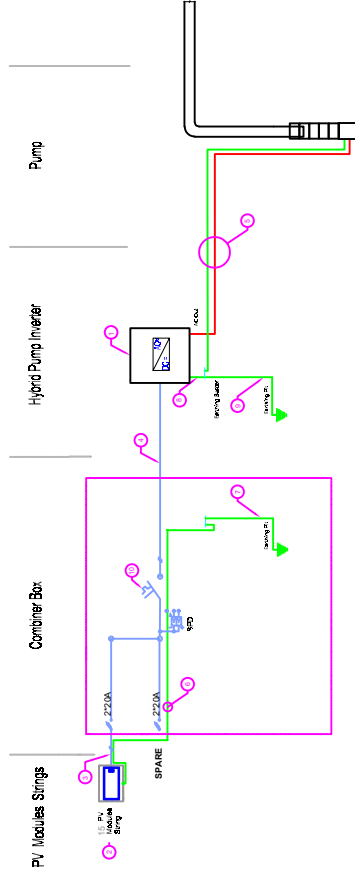


DC Cables From Combiner Box To Inverter
DC Cables From PV Strings To Combiner Box

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 Hybrid Inverter	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

