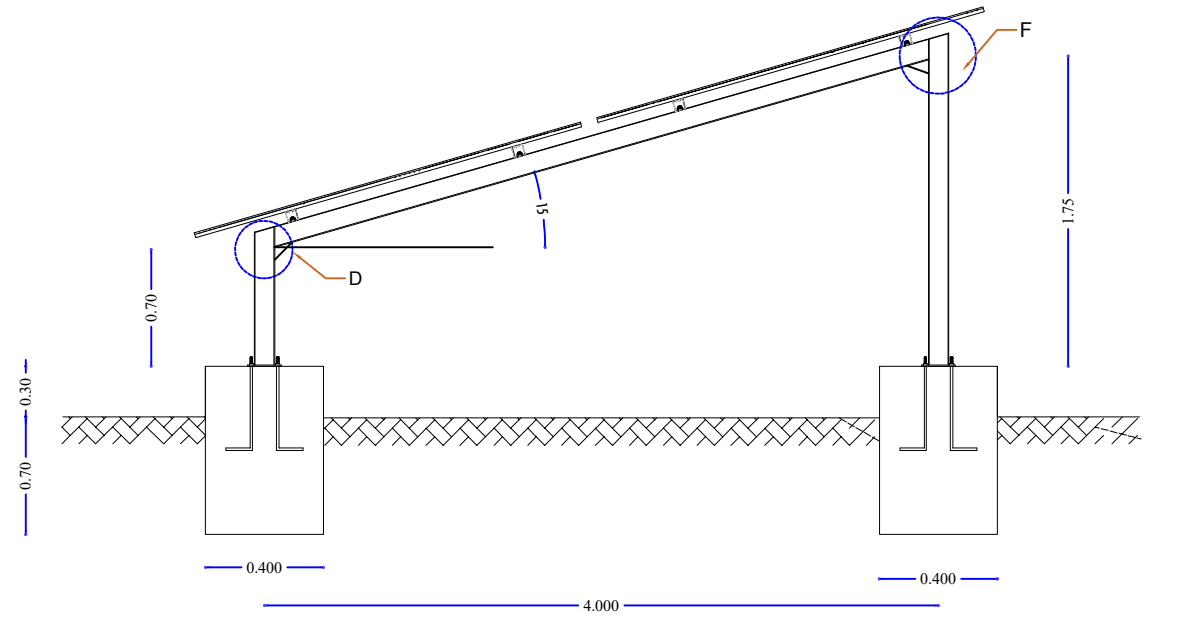
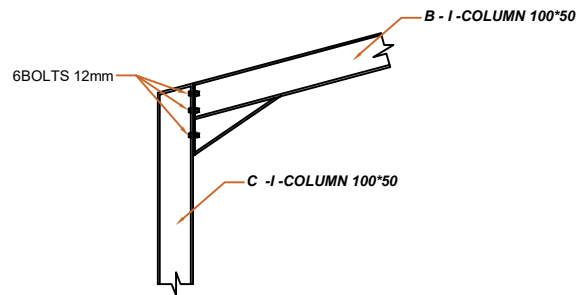
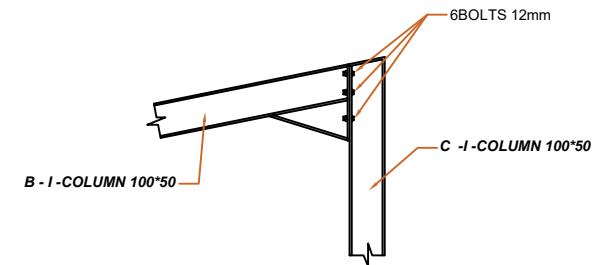




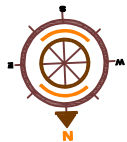
③ **SIDE ELEVATION**
STRUCTURE DETAILS

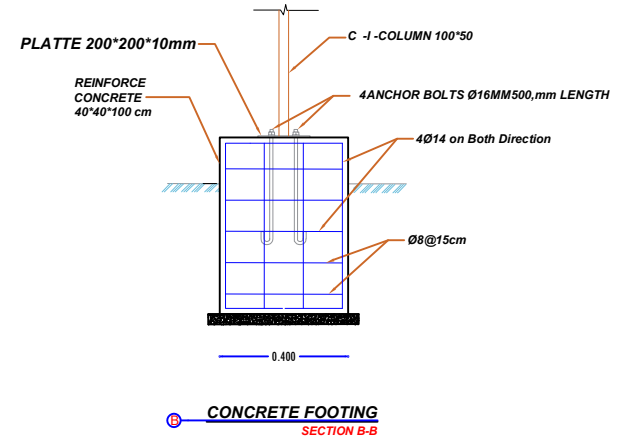
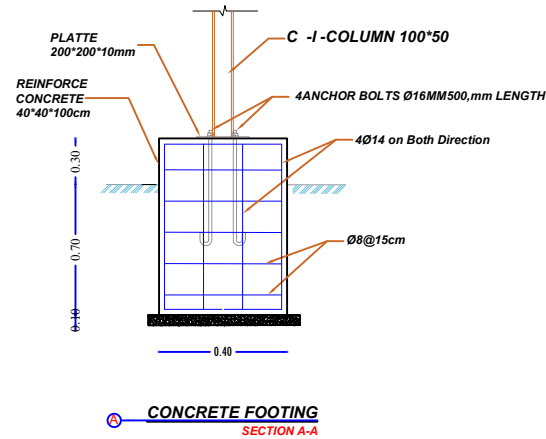
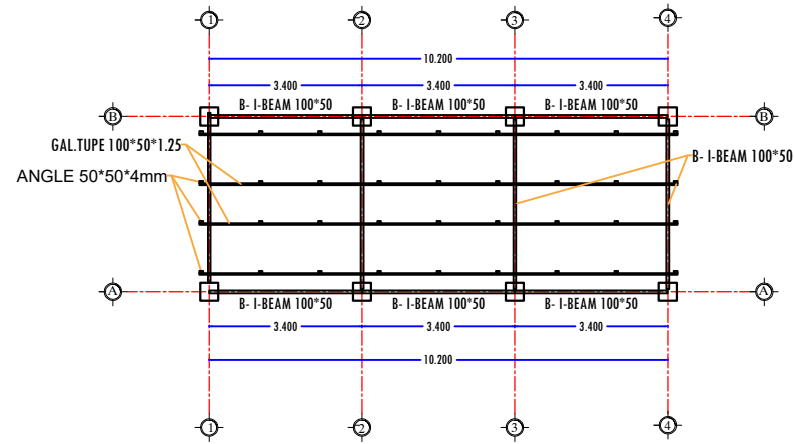


④ **JOINT - DETAILS D**
STRUCTURE DETAILS

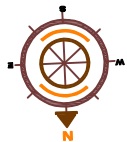


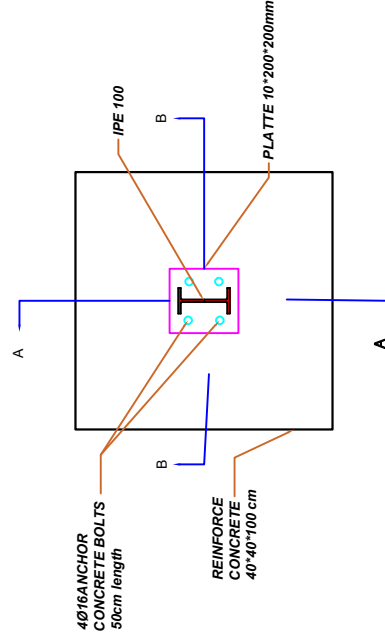
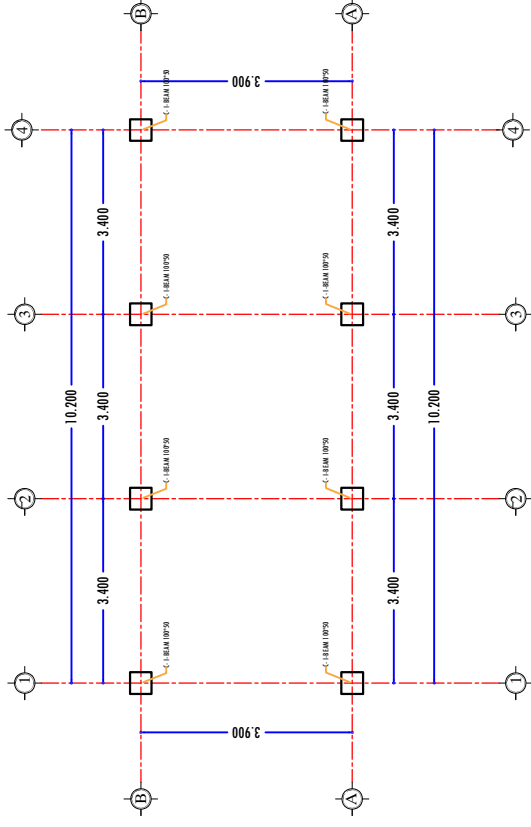
⑤ **JOINT - DETAILS F**
STRUCTURE DETAILS





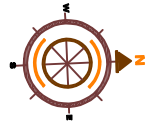
② **JOINT COLUMN WITH CONCRETE FOOTING**
STRUCTURE DETAILS



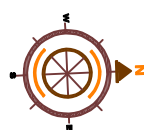
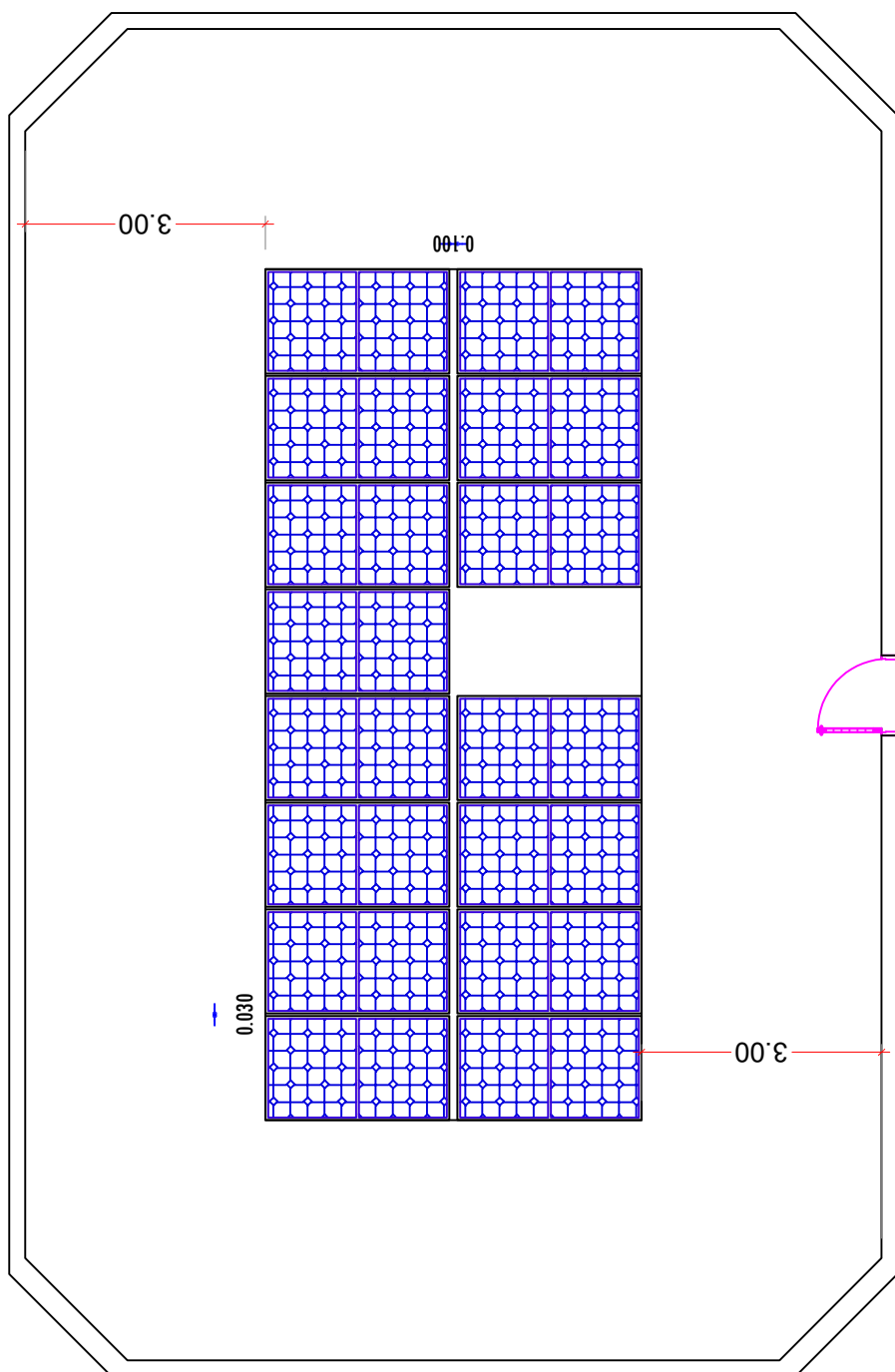


PLAN

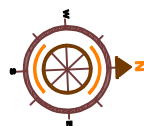
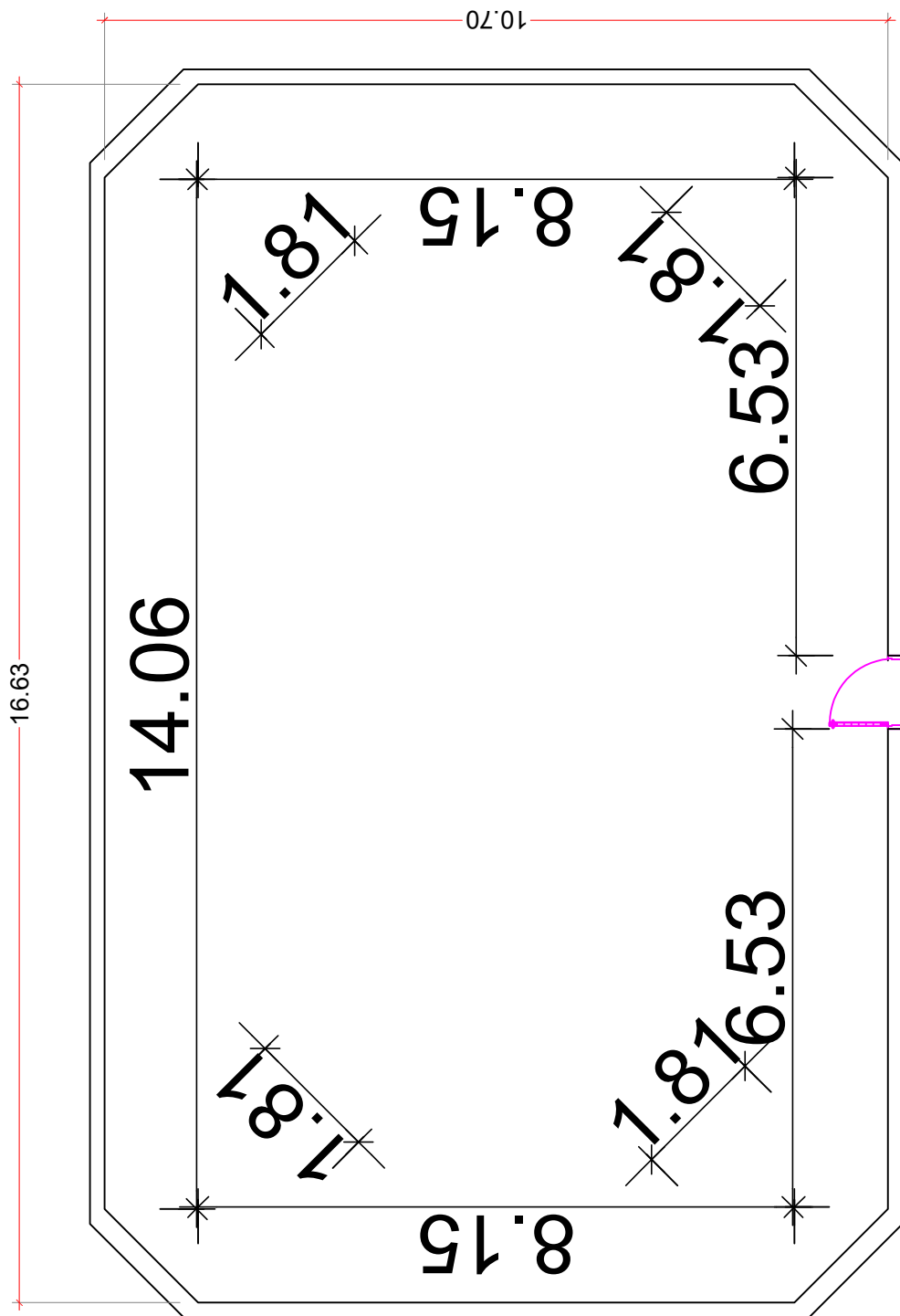
BASE PLATE AND CONCRETE FOOTING - DETAILS STRUCTURE DETAILS



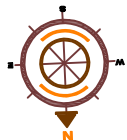
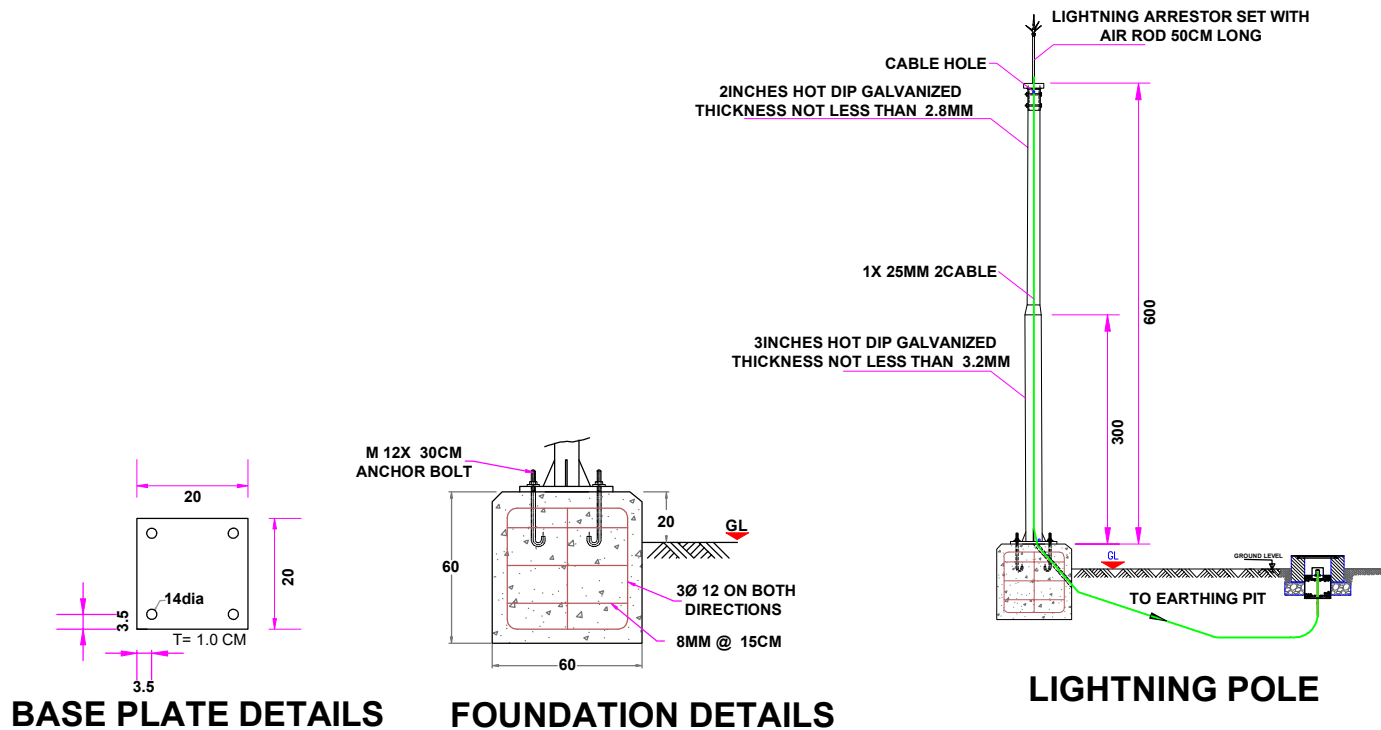
المشروع	من النشاء الى الصمود
المسوق	FUTURE
البيس - حضرموت - غيل ساروير	
التاريخ	2025



المشروع
من القاء الى الصمود
FUTURE
المشروع
البنين - حضرموت - غيل ساوير
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2025



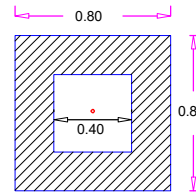
LIGHTNING SYSTEM



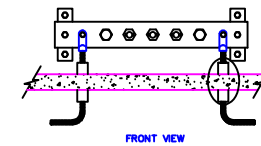
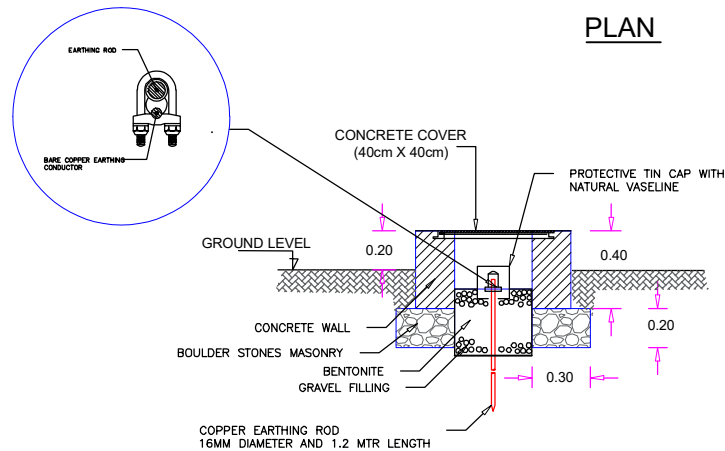
EARTHING PIT DETAILS

Note:

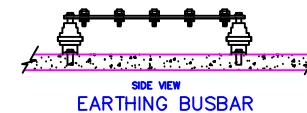
- 1- The DC earthing system must be separated from AC earthing system .
- 2- Each lightening system shall have its own earthing system including its own earthing pit.
- 3- The minimum distance between each earthing pit shall be at least 6 m
- 4- Backfilling shall include Bentonite, soil, water, coal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



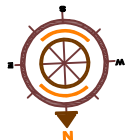
PLAN



FRONT VIEW



SIDE VIEW
EARTHING BUSBAR



المشروع

من الغذاء الى السمود FuTuRe

الموقع

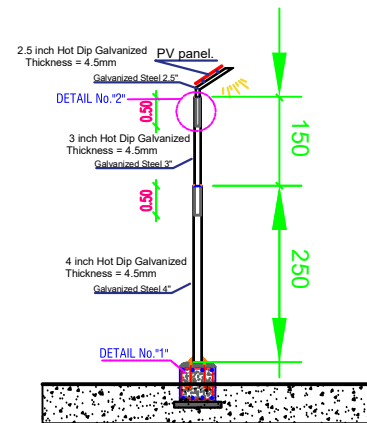
اليمن - حضرموت - غيل بساوزير

التاريخ

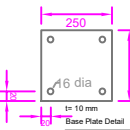
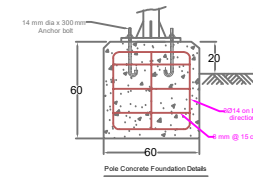
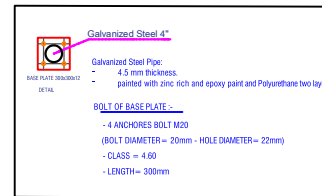
2025

FMF
المؤسسة الطبية الميدانية
Field Medical Foundation

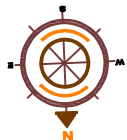
STREET LIGHTING



Street Lighting Pole



Note:
1- PV modules on the ground should not be shaded by street lighting lamp modules
2- All dimensions are in cm.



المشروع

من الغذاء الى السمود FuTuRe

الموقع

اليمن - حضرموت - غيل باوزير

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FMF

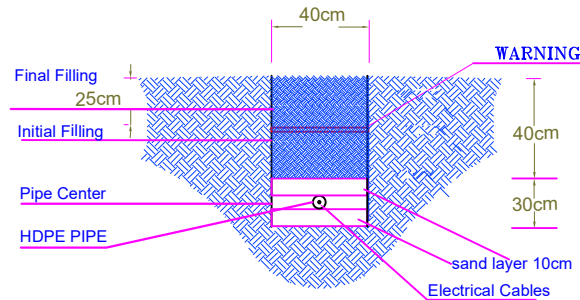
المؤسسة الطبية الميدانية

Field Medical Foundation

UNDERGROUND CABLES

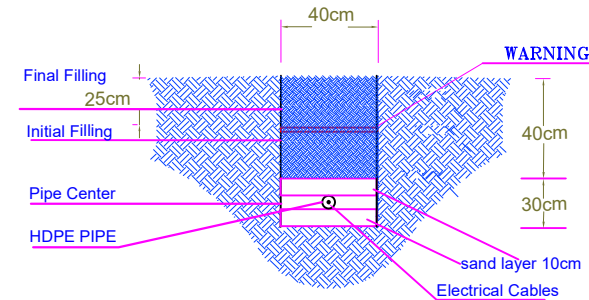
Note:

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



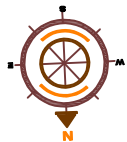
AC Cables From Inverter To Motor

SECTION -A

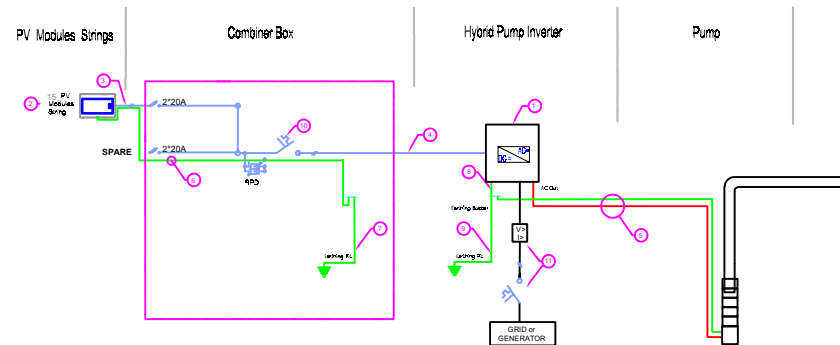


DC Cables From Combiner Box To Inverter
DC Cables From PV Strings To Combiner Box

SECTION-B

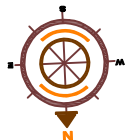


SINGLE LINE DIAGRAM (SLD)



Sn	Item	Size / Capacity
1	Inverter Power, KW	7.5
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)	(3x6)+6mm2
6	Earthing cable between PV strings and busbar (mm2)	1 x 6
7	Earthing Cable from bus bar to earthing pit (mm2)	1 x 16

Sn	Item	Size / Capacity
8	Earthing Cable from inverter to the Bus bar (mm2)	1 x 6
9	Earthing Cable from bus bar to earthing pit (mm2)	1 x 10
10	COMBINER DC CIRCUIT BREAKER SIZE MCCB, A	32
11	INPUT AC CIRCUIT BREAKER MCCB SIZE, A and OVER/VOLTER VOLTAGE/CURRENT PROTECTION	32



المشروع

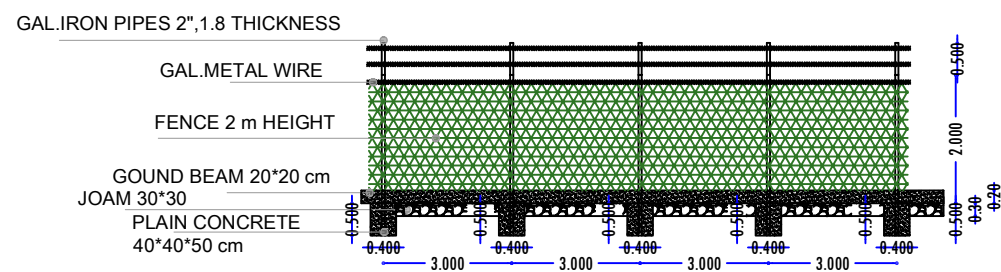
من الغذاء الى المصمود FuTuRe

الموقع

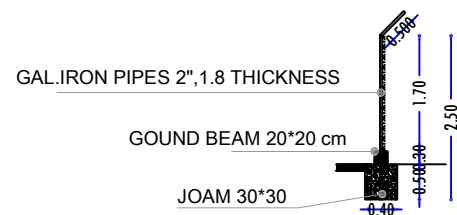
اليمن - حضرموت - غيل بساوزير

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④ **FENCE DETAILS** **FENCE**



⑤ **SECTION - DETAILS F** **FENCE**

