

ANNEX () DESIGNS AND DRAWINGS.

PREPARED BY:



UNITED NATIONS OFFICE FOR PROJECT SERVICES

FUNDED BY:



THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP

PROJECT.

**SUPPLY AND INSTALL OF DIESEL GENERATOR FOR
22 MAY HOSPITAL**

ADEN CITY - YEMEN

PROJECT REFERENCE NO.

IUS-AF-OPS-ECS-ADN-052

REMARKS: -





- .1 THE LAYOUT DRAWINGS DO NOT SHOW ALL THE SYSTEMS, ITEMS, OR ACCESSORIES COVERED UNDER THE SCOPE OF ELECTRICAL WORKS TO BE EXECUTED THE LAYOUT DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT OR SPECIALIST DRAWINGS AND SPECIFICATIONS.
- .2 DO NOT SCALE FROM THE LAYOUT DRAWINGS WORK ACCORDING TO ARCHITECTURAL OR ELECTRICAL DETAILS UNLESS OTHERWISE AUTHORIZED.
- .3 ALL EQUIPMENT LAYOUTS ARE PROVISIONAL. FINAL LAYOUT SHALL BE DETERMINED BY THE CONTRACTOR FROM THE CONSTRUCTION/SHOP DRAWINGS AND AFTER COORDINATION WITH OTHER TRADES.
- .4 THE SIZE OF CONDUITS AND/OR CABLE TRAYS IS IN GENERAL NOT SHOWN ON DRAWINGS. THE SIZE OF ALL CONDUITS AND/OR CABLE TRAYS SHALL BE SELECTED BY THE CONTRACTOR IN ACCORDANCE WITH BOQ, REGULATIONS AND/OR STANDARDS AND WILL BE FUNCTION OF THE NUMBER AND SIZE OF THE RESPECTIVE CONDUCTORS.

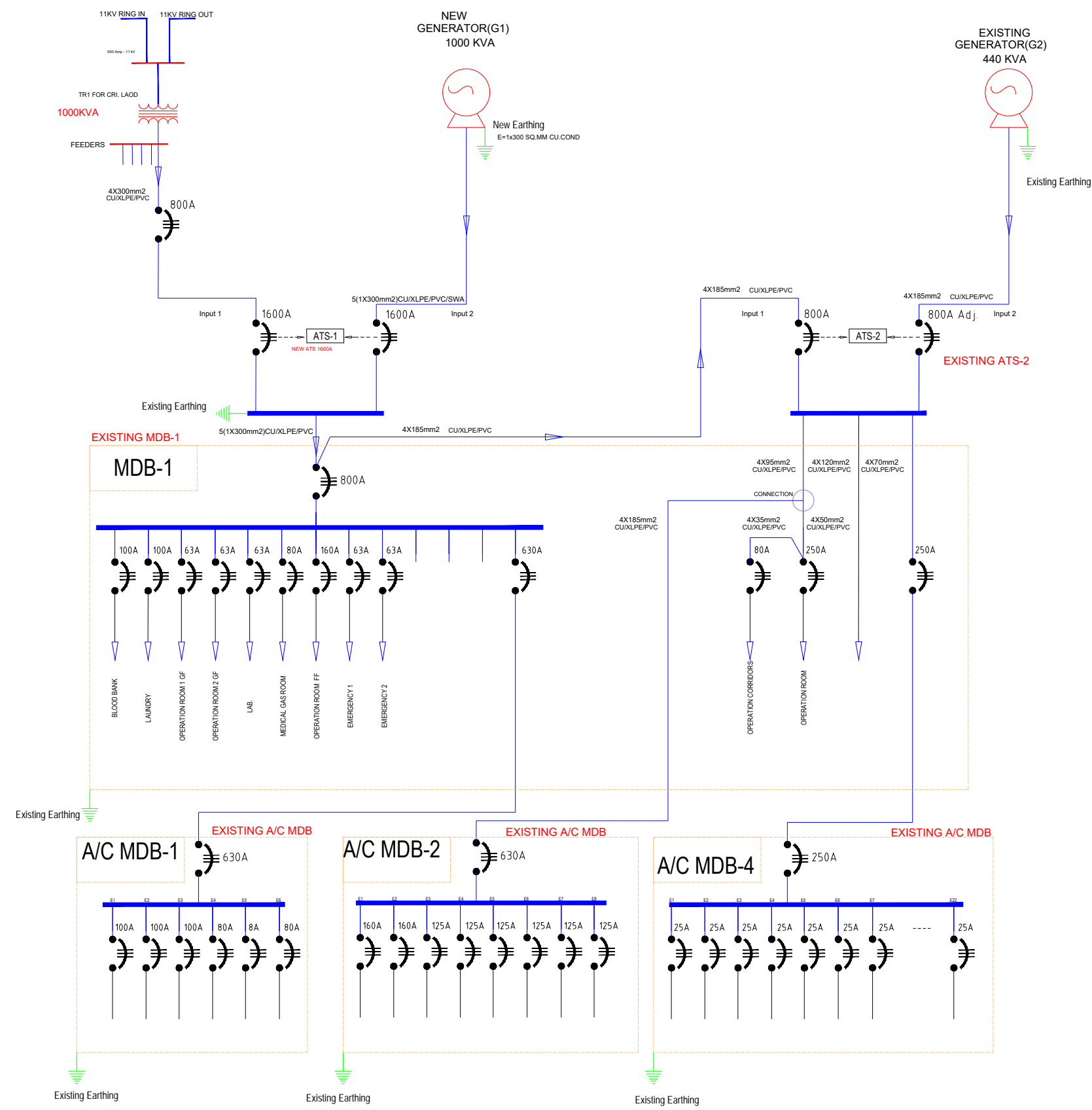
- .5 PERFORATED CABLE TRAY SHALL BE FIXED AND COVER PROPERLY AND SHALL NOT FIXED DIRECT TO ROOF SLAB.
- .6 TEARTH CONTINUITY CONDUCTORS ARE NOT INDICATED ON THE DRAWINGS, BUT SHALL BE RUN WITH ALL CIRCUITS IN ACCORDANCE WITH SPECIFICATIONS, REGULATIONS AND/OR STANDARDS.
- .7 THE COLOR CODE FOR A FOUR WIRE CIRCUIT IS - ONE BLACK, - ONE RED, ONE BLUE AND ONE YELLOW ANY CONDUCTOR INTENDED FOR GROUNDING PURPOSE SHALL BE GREEN WITH YELLOW STRIPE.
- .8 FOR EXACT QUANTITY ,TYPE & LOCATION OF ELECTRICAL OUTLETS REFER TO INTERIOR DESIGN DOCUMENT.
- .9 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFYING THE NO. OF CIRCUIT BREAKERS, RATING, AND WIRING ACCORDING TO MANUFACTURER DATA WITHOUT ANY EXTRA COST.
- .10 ALL DISCONNECT SWITCHES FOR A/C SHALL BE ADJACENT TO THE UNIT..
- .11 CONTRACTOR SHALL PROVIDE MATCHING PLUG IN FOR ALL SPECIAL OUTLETS.
- .12 ALL OUTDOOR WIRING ACCESSORIES SHALL BE

WEATHER PROOF TYPE.


- .13 FOR GROUND-FAULT CIRCUIT INTERRUPT (GFCI) REFER TO PLANS AND PANEL SCHEDULES.
- .14 THE MINIMUM SEPARATE DISTANCE BETWEEN LOW CURRENT SYSTEMS & LOW VOLTAGE POWER CABLES IS 300MM.
- .15 ALL C.BS WITH FRAME RATING LARGER THAN 100A SHOULD HAVE ADJUSTABLE THERMAL OVERLOAD SETTING.
- .16 CONTRACTOR SHALL PROVIDE CONTROL CONDUIT & WIRING AS PER OPERATIONAL REQUIREMENTS SHOWN ON HVAC AND PLUMBING DRAWING.
- .17 GROUNDING TO LOW CURRENT SYSTEMS SHALL BE SEPARATE GROUNDING PIT AND CONNECTED TO BUILDING GROUNDING NETWORK.
- .18 THE DISTANCE BETWEEN EARTH PIT SHALL BE DOUBLE OR MORE THAN LENGTH OF EARTHING ROD.
- .19 THE DIMENSION OF ELECTRICAL PANELS AND EQUIPMENT'S SHALL BE AS PER APPROVED FABRICATOR / SUPPLIER SHOP DRAWING.

LEGEND:

SYMBOL	DESCRIPTION
	DIESEL GENERATOR
	AUTOMATIC TRANSFER SWITCH.
	TRANSFORMER
	CIRCUIT BREAKER (MCCB)
A/C MDB-1,2,4	AIR CONDITION DISTRIBUTION BOARD.



PREPARED BY:


UNOPS
OPERATIONAL EXCELLENCE
FOR RESULTS THAT MATTER.
SANA'A - YEMEN.

IMPLEMENTED BY:


THE WORLD BANK
IBRD • IDA | WORLD BANK GROUP

PROJECT TITLE:

SUPPLY AND INSTALL OF DIESEL
GENERATOR FOR 22 MAY HOSPITAL

PROJECT LOCATION:

ADEN CITY - YEMEN

DRAWING TITLE:

SINGLE LINE
DIAGRAM

DRAWING TYPE:

ELECTRICAL PLANS

DESIGN-BY:

DESIGNED BY:

REVIEWED BY:

APPROVED BY:

UNOPS DESIGN REVIEW

STATUS:

SURVEY & DRAWING

PROJECT NO:

IUS-AF-OPS-ECS-ADN-052

DATE:

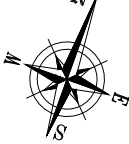
OCT. 2022

PAPER SIZE:

A3

SCALE:

NORTH:

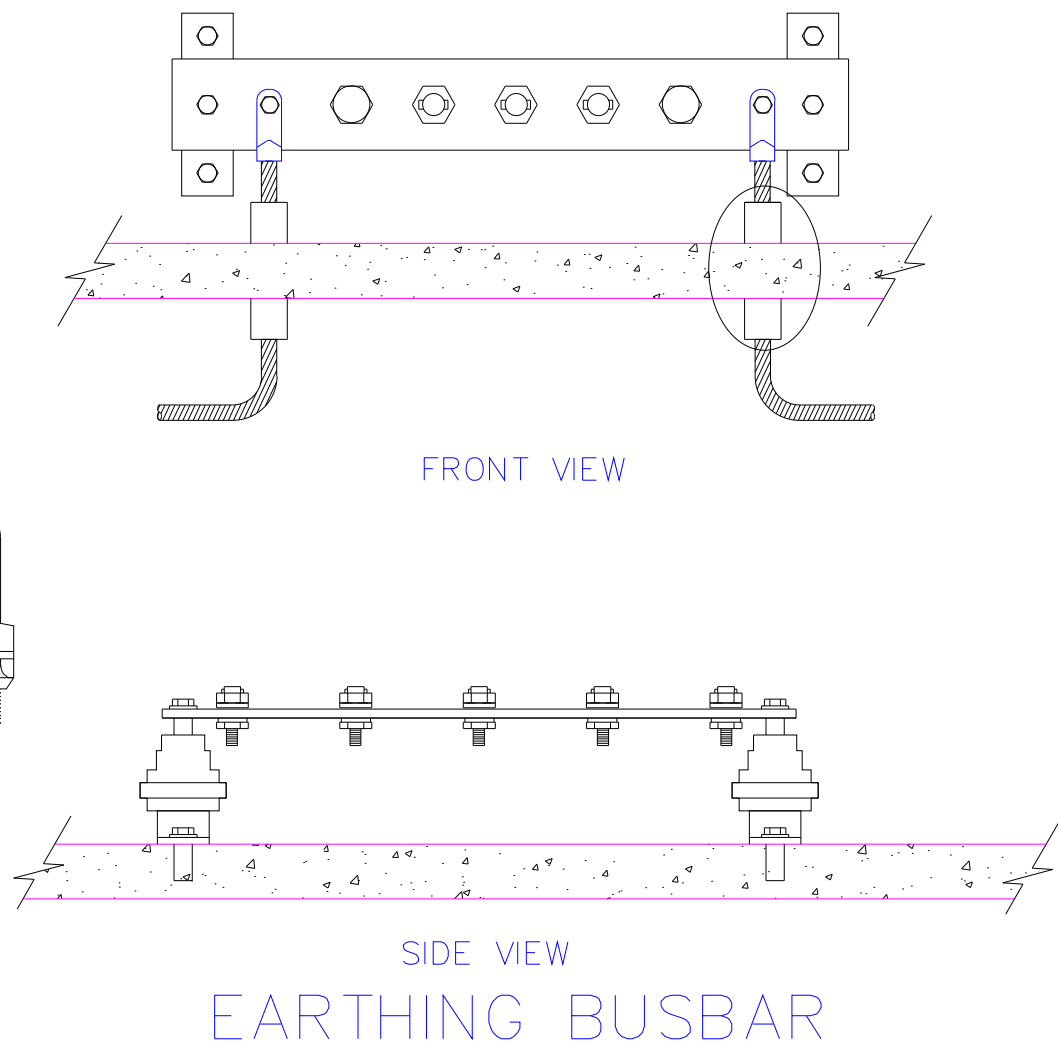
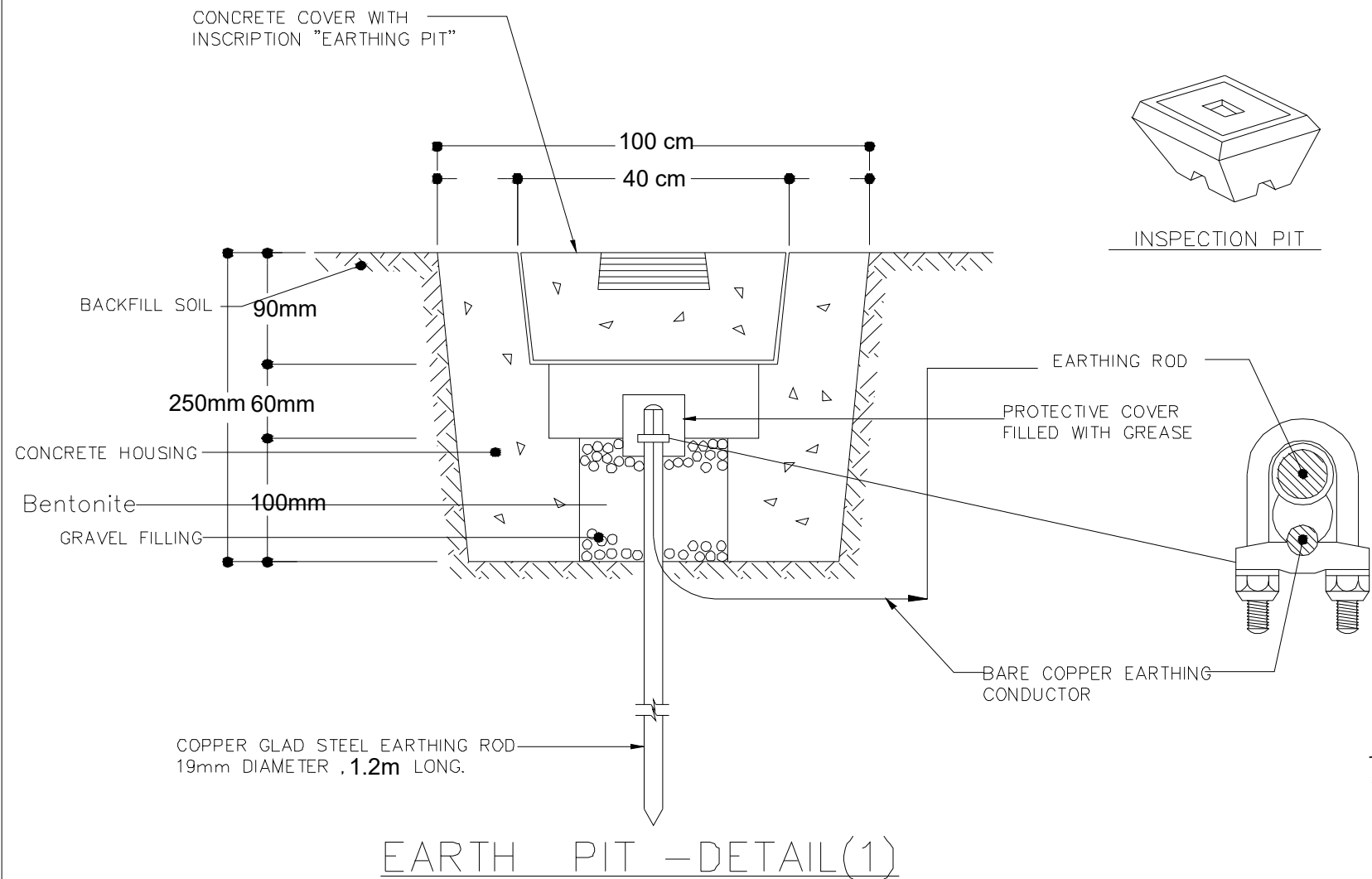


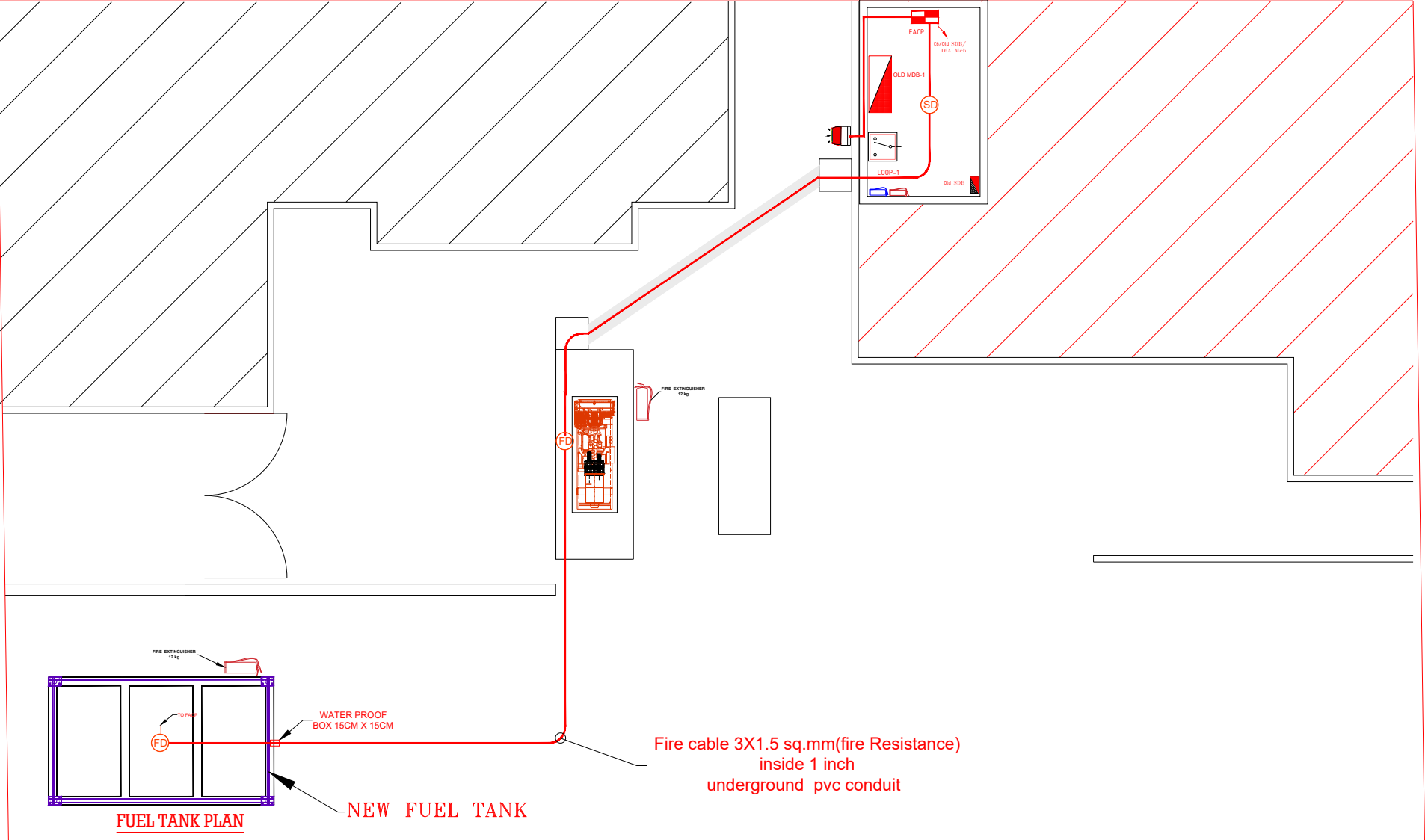
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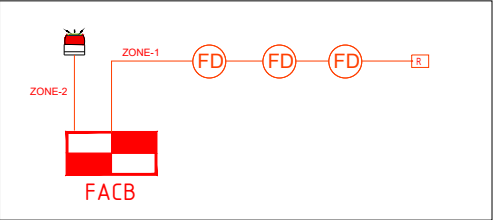
REMARKS:

- 1. ALL DIMENSIONS AND ELEVATIONS ARE IN CENTIMETERS AND METERS RESPECTIVELY, UNLESS OTHERWISE MENTIONED.
- 2. ALL DIMENSIONS TO BE CHECKED AND CONFIRMED ON SITE BEFORE COMMENCEMENT OF ANY WORK.
- 3. ANY DISCREPANCY TO BE REPORTED TO THE UNOPS SITE ENGINEER/ PROJECT MANAGER PROMPTLY BEFORE PROCEEDING.
- 4. EARTHING PIT SHALL BE CARRY OUT AS BE SITE ENGINEER INSTRUCTION.





SYMBOL	DESCRIPTION
	FIRE ALARM CONTROL PANEL.
	BELLS SOUNDERS WITH FLASH (80dB).
	FLAME DETECTOR (FD).
	SMOKE DETECTOR
	POWDER FIRE EXTINGUISHER
	CO2 FIRE EXTINGUISHER
	Old SDB



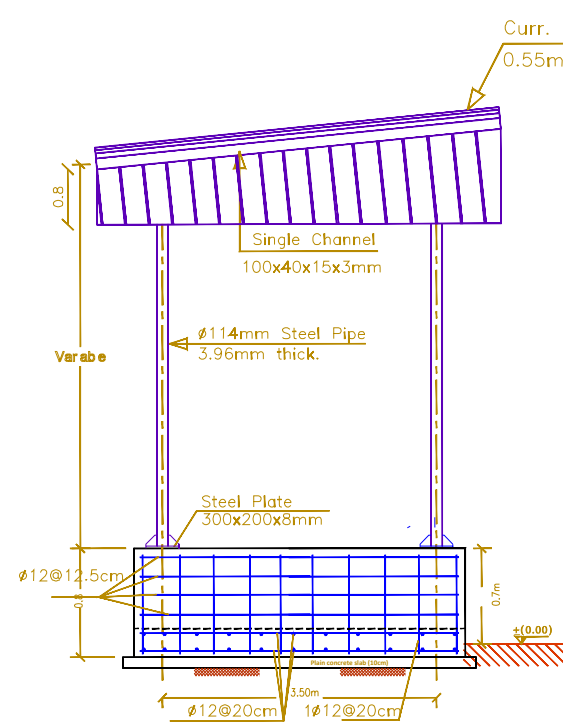
FIRE ALARM COMPONENTS RISER
DIAGRAM DETAILS



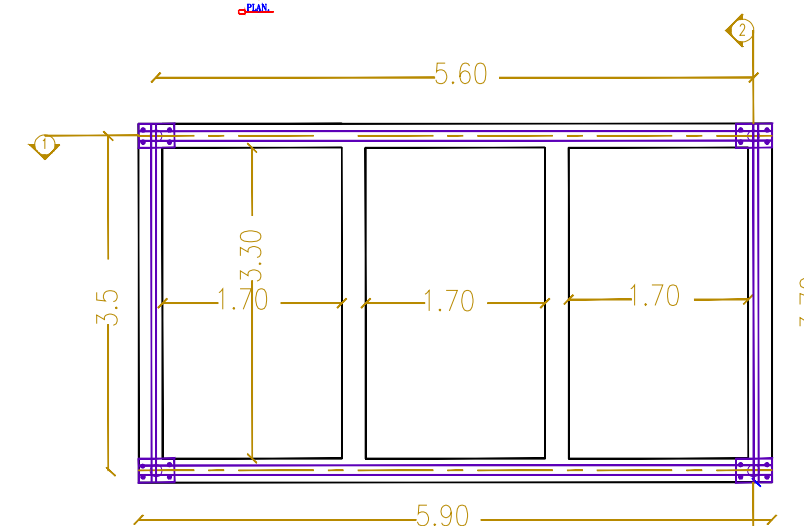
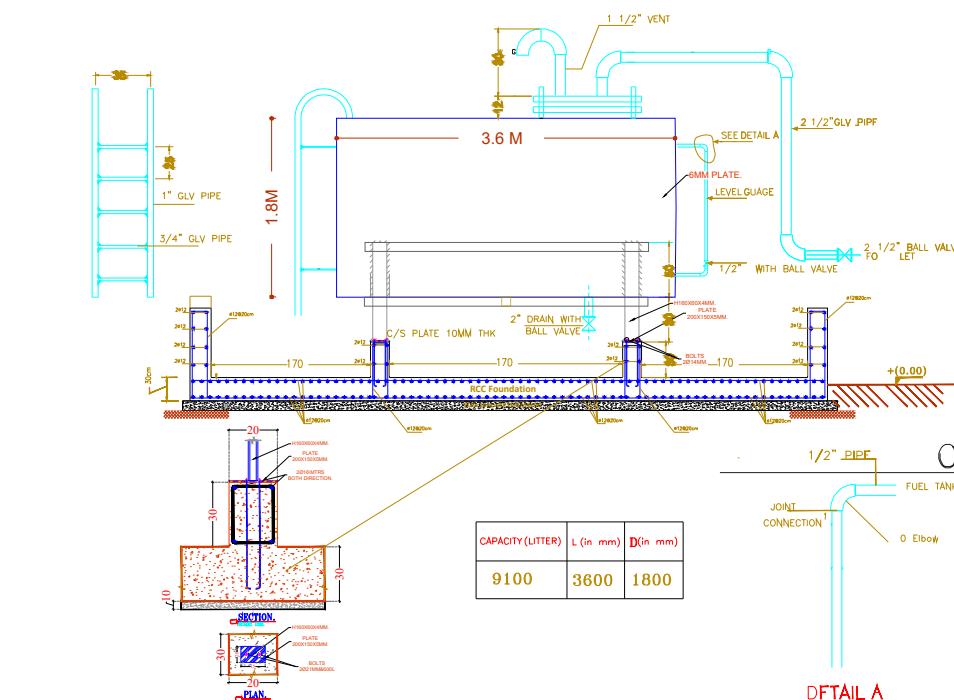
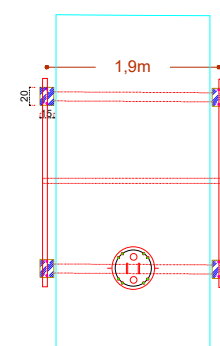
DETAIL(C)



FOUNDATION & SHED DETAIL



ELEVATION (2)



FUEL TANK PLAN

