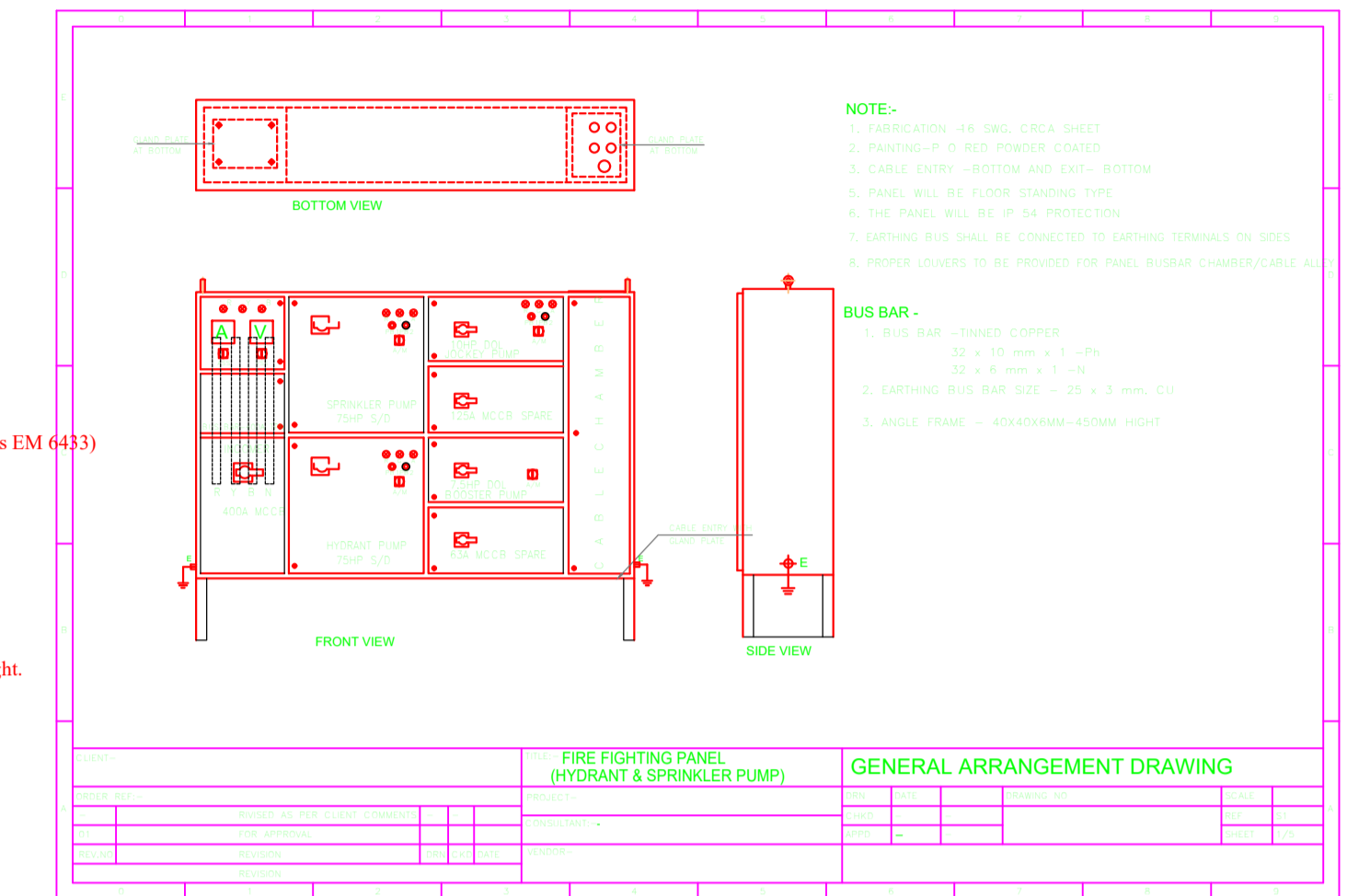


# ELECTRICAL SUPPLY PLAN

## GENERAL REMARKS:

- 1) For All Panels, MLTP, APFC, AC Proper louvers to be provided to Vertical Bus bar as well as cable chamber
- 2) All panels should be of 3B form.
- 3) For APFC panel, capacitor & reactor chamber should be properly ventilated through louvers & 6" ex fans.
- 4) Main LT panel incomer & ATS main incomer feeder should be Microprocessor based only.
- 5) There should be provision & adequate space for cable termination of Al XLPE Cable as per SLD.
- 6) Panel should have provision of gland plate for cable entry as specified.
- 7) ATS C/O panel outdoor panel should be IP 55
- 8) In ATS Changeover panel, outgoing feeder of MLTP should have provision of shunt coil alongwith push button for isolation of MLTP in case of emergency. Push button will placed outside the panel.
- 9) Maintenance socket to be considered in BOM
- 10) APFC reley CT to be located on MLTP & AUXILLARY power supply to be taken from ATS Changeover panel.
- 11) There should be Provision of 4 NO contacts in apte MAIN incomer MCCB.
- 12) For both the External lighting DB energy meter (EM6433) to be considered as per green bldg requirement. A  
All metering should be as per the requirement (ATS C/O -EM 6436, MLTP-EM 6400 Dual source, HVAC & others EM 6433)
- 13) Slot to be provided in base channel for bolting the panel with ground.
- 14) For APFC panel wire from Contactors to capacitor terminal must be minimum of 4 Sqmm.  
And all control & power wires must be polycab FRLS.
- 15) For capacitors, capacitor duty contactor to be used.
- 16) Vendor need to provide CU bus bar size at the time of GA.
- 17) All breaker should be either L&T /Schneider make only. APFC relay should be Trinity make only.
- 18) The structure shall be mounted on a rigid base frame fabricated using ISMC channel of minimum 75 mm height.
- 19) All bus bars should be with Heat shrinkable pvc sleeves
- 20) All CT ratio should be with 5A o/p, & meter of 1 Amp.
- 21) Fabrication: Single Front, fixed type, floor mounted.  
Frame-14 SWG  
Doors/Covers-16swg  
Partitions-16SWG  
Gland plate-10 SWG  
Base-10 SWG
- 22) Protection:  
ALL Panels-IP 52  
ATS C/O-IP 55  
PAINTING- Siemens Grey RAL 7032  
Busbars- CU (1.4A/sqmm)  
Busbar support -DMC/SMC  
Control/Power wire- PVC -2.5sqmm



## STANDARD BOM MAKE LIST

BOM FOR INCOMER/METERING FEEDER-NO		BOM FOR 10 HP DOL STARTER-1 NO (JOCKEY PUMP)		BOM FOR 75HP STAR/DELTA-2 NOS (HYDRANT & SPRINKLER)		BOM FOR 7.5 HP DOL STARTER-1 NO (BOOSTER PUMP)	
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# PROPOSED PROJECT PHASE (TOWER-4) OF 5826 SQ.MET LAND

OWNERS' SIGN: \_\_\_\_\_ ARCHITECT'S SIGN: \_\_\_\_\_

PROPOSED BUILDING PLAN,  
AT WEGMANS INDUSTRIES PVT. LTD,  
ON PLOT NO.-03, SECTOR K.P.-III,  
GREATER NOIDA, U.P.

OWNER:  
WEGMANS INDUSTRIES Pvt.Ltd.

SHEET TITLE:  
ELECTRICAL PLAN

DRAWING NO:  
**S-02**

SCALE:  
NTS

DATE: \_\_\_\_\_

ARCHITECTS:  
**DEVESH VERMA**  
ARCHITECTS & INTERIOR DESIGNERS  
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E-mail: DEVESHVERMA@GMAIL.COM

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