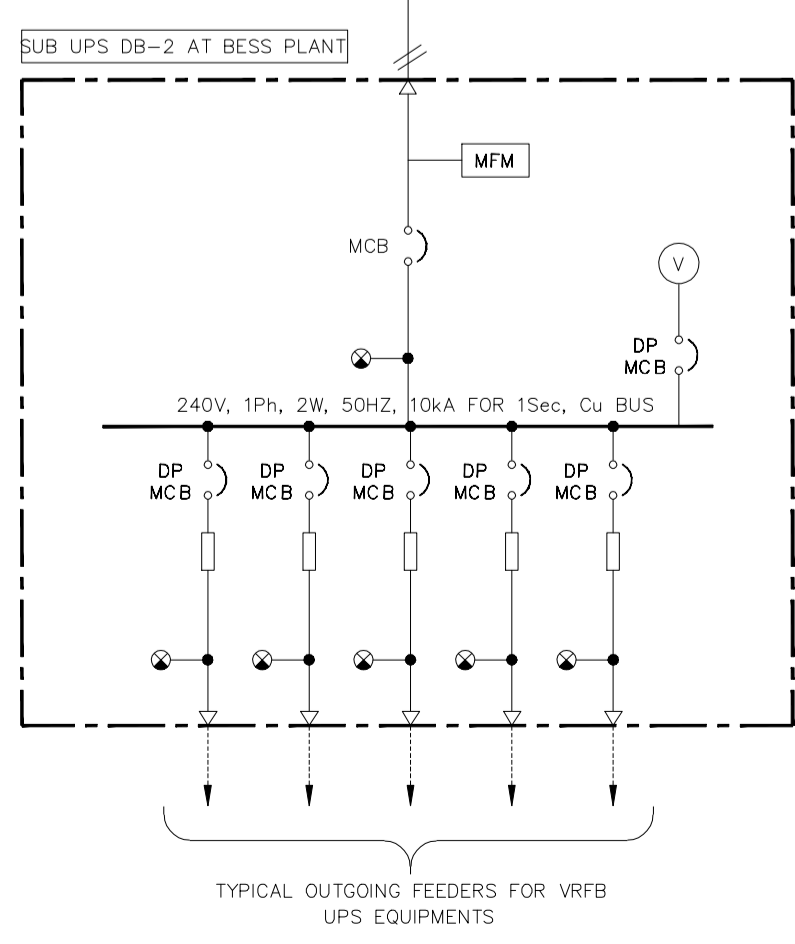
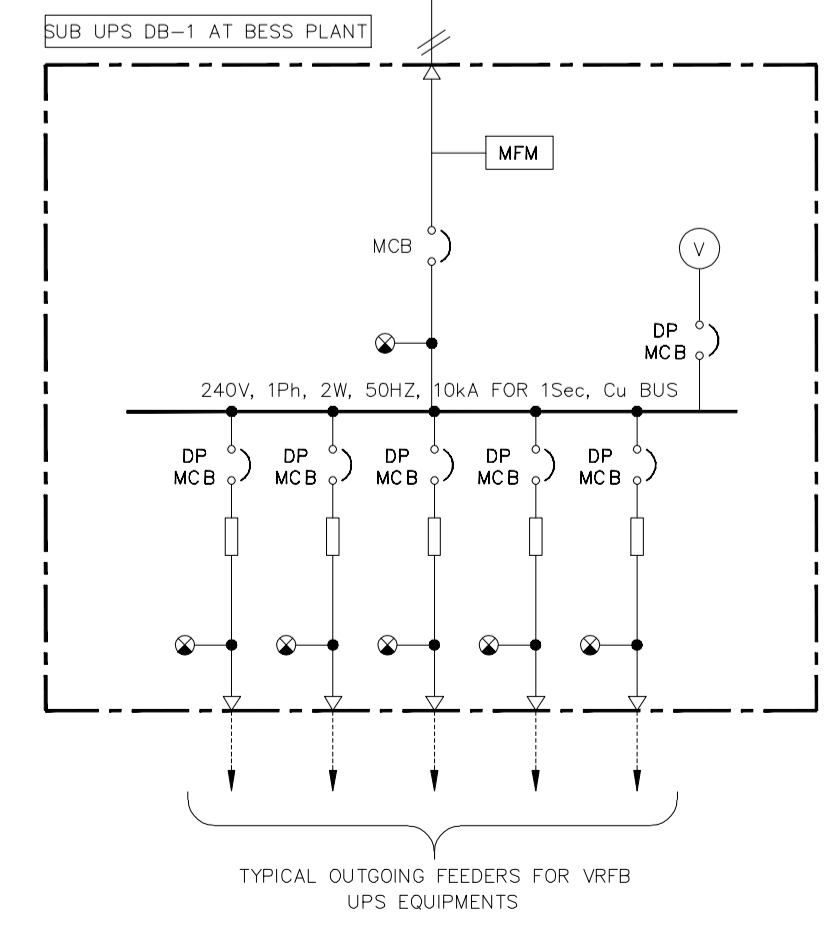
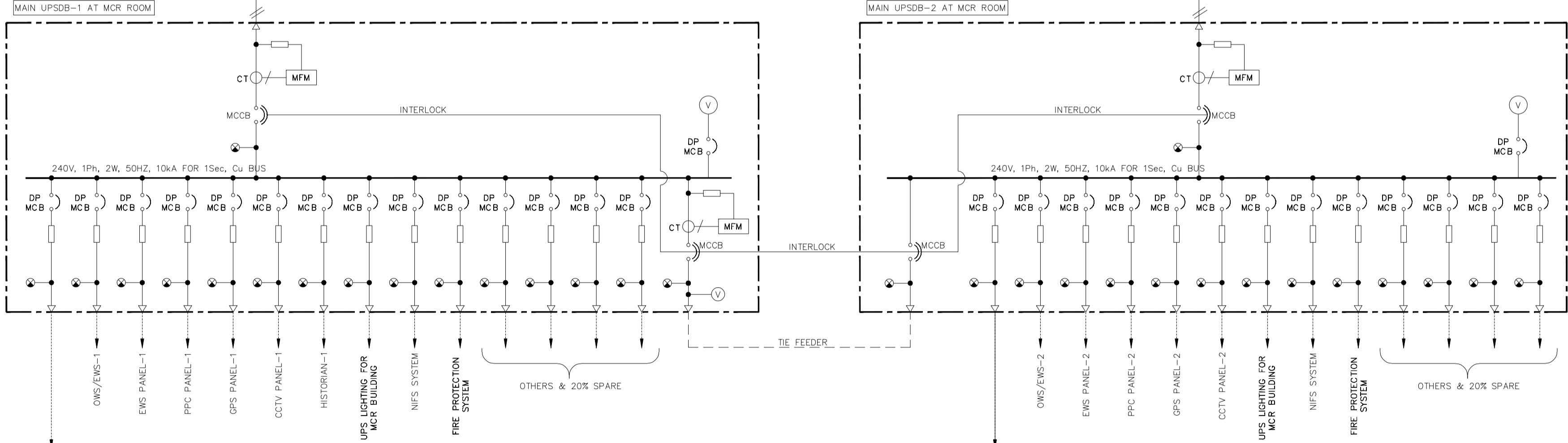
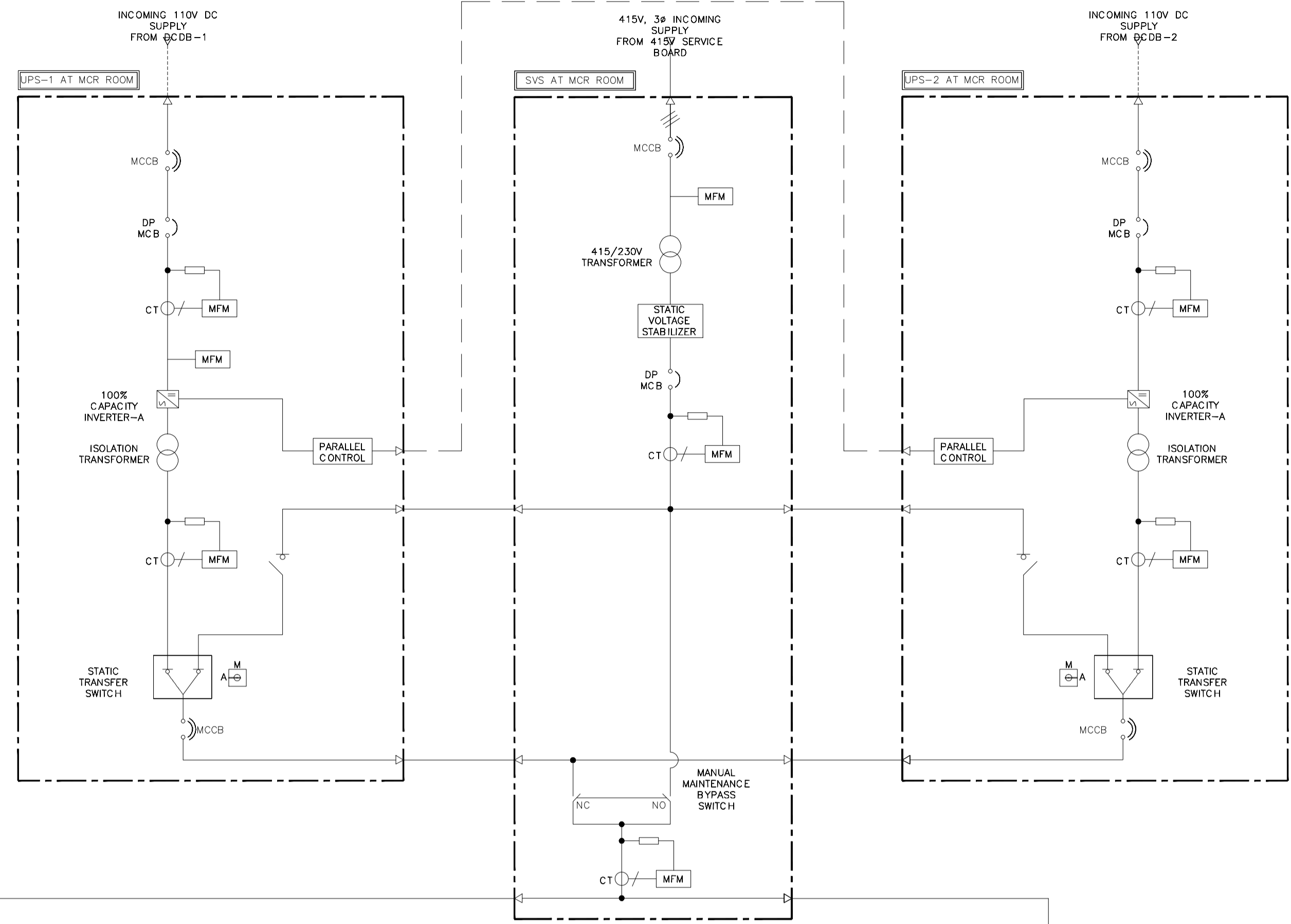


R2

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A



**LEGENDS:**

- MOULDED CASE CIRCUIT BREAKER (MCCB)
- DOUBLE POLE MINIATURE CIRCUIT BREAKER (MCB)
- ISOLATOR
- INDICATING LAMP WITH LED
- TRANSFORMER
- INVERTER
- FUSE
- MULTI FUNCTION METER (V, I, F)
- POWER CABLE TERMINATION
- CURRENT TRANSFORMER
- VOLTMETER
- STATIC TRANSFER SWITCH
- STATIC VOLTAGE STABILIZER

- NOTES:**
1. UPS SHALL BE 2x100% PARALLEL REDUNDANT.
  2. FILTER CIRCUIT SHALL BE PROVIDED ON AC & DC SIDE AS REQUIRED.
  3. UPS INVERTER SHALL BE PWM BASED WITH IGBT TECHNOLOGY.
  4. BOTH THE INVERTER SHALL SHARE EQUAL LOAD CURRENT AND BOTH THE RECTIFIER SHALL SHARE EQUAL BATTERY CHARGING CURRENT.
  5. UPS SYSTEM SHALL BE PROVIDED WITH A FAULT DIAGNOSTIC, MONITORING, CONTROL & RECORDING SYSTEM ON LCD DISPLAY.
  6. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH TECHNICAL SPECIFICATION.
  7. THE REQUIREMENT SHOWN ARE MINIMUM ONLY, AS PER SYSTEM REQUIREMENT ALL NECESSARY EQUIPMENTS/DEVICES SHALL BE PROVIDED.
  8. BOTH STATIC TRANSFER SWITCHES SHALL BE SELECTED ON AUTO MODE FOR AUTOMATIC TRANSFER TO BACKUP SUPPLY.
  9. A MINIMUM OF 20% FEEDERS (ROUNDED UP TO THE NEXT WHOLE NUMBER) SHALL BE PROVIDED FOR EACH TYPE AND RATING, EXCLUDING INCOMERS.

**CLIENT:**  
**GUJARAT INDUSTRIES POWER COMPANY LIMITED (M/s GIPCL)**

**PROJECT:**  
**DEVELOPEMENT OF 20 MW/ 20 MWH VFRB PROJECT AT GIPCL VADODARA COMPLEX**

**TITLE:**  
**TENDER DRAWING - UPS SYSTEM SLD**

|                      |         |        |                 |           |
|----------------------|---------|--------|-----------------|-----------|
| DEPT. ENERGY STORAGE | JOB NO. | SCALE: | SHEET: 01 OF 01 | REV.      |
| DWG.NO.:- DWG - 06   |         |        |                 | <b>R2</b> |

R2