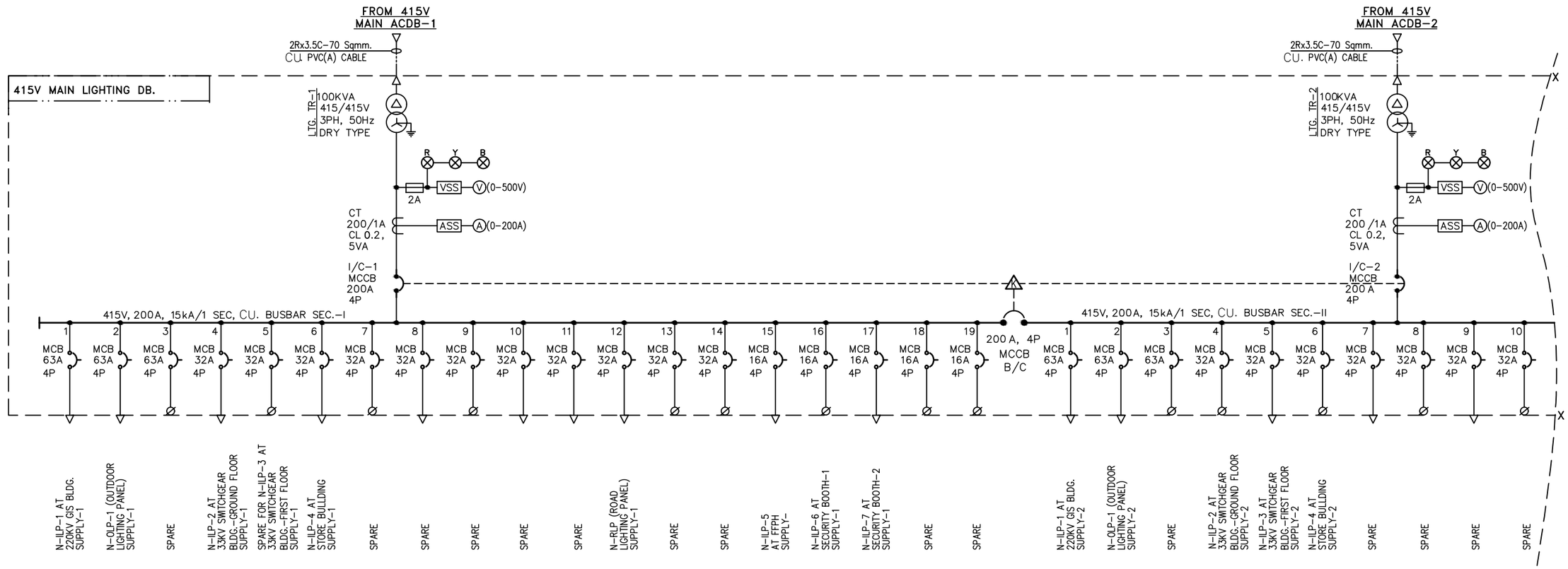

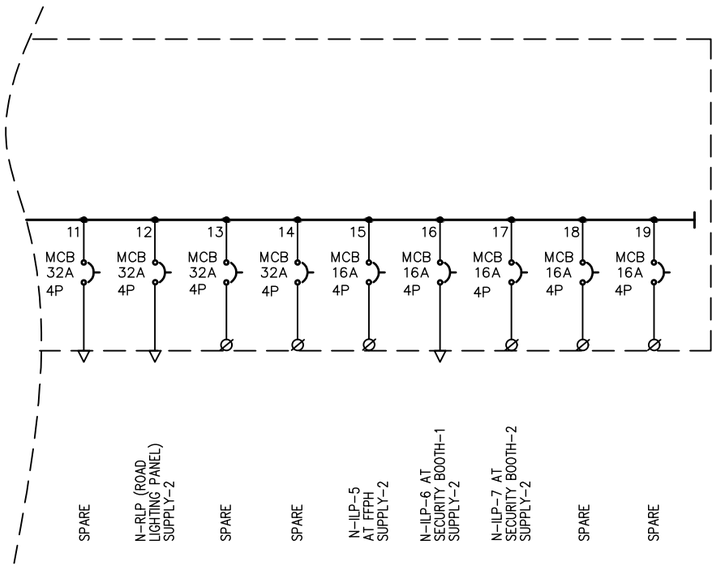

LEGEND :-

- LIGHTING TRANSFORMER
- MOULDED CASE CIRCUIT BREAKER (MCCB)
- MINIATURE CIRCUIT BREAKER (MCB)
- CASTLE KEY INTERLOCK
- FUSE
- VSS — VOLTMETER SELECTOR SWITCH
- ASS — AMMETER SELECTOR SWITCH
- (V) — ANALOGUE VOLTMETER
- (A) — ANALOGUE AMMETER
- Ø — SPARE TERMINAL
- CABLE TERMINATION

NOTES :-

1.. INTERLOCKING LOGIC FOR 415V MLDB. :-

a.. NORMALLY INCOMER (I/C)-1 & 2 SHALL REMAIN CLOSED AND BUS COUPLER (B/C) SHALL BE OPEN. IN CASE OF FAILURE OF ANY INCOMER SUPPLY, BUS COIPLER SHALL CLOSE MANUALLY TO CONTINUE FEEDING OF LOADS CONNECTED TO THE BUS.

b.. THERE SHALL BE ELECTRICAL AND MECHANICAL INTERLOCK AMONG I/C-1, I/C-2 AND B/C IN SUCH A WAY THAT 2 OUT OF 3 CBs CAN REMAIN CLOSED AT A TIME. HENCE BEFORE CLOSING OF B/C CB THE AFFECTED INCOMER MUST TRIP FIRST BY AUTOMATICALLY.

c.. AFTER THE FAULTY INCOMER IS REPAIRED, RESTORATION OF THE SAME WILL BE AUTOMATIC.

2.. ALL MCCBs & MCBs SHALL BE PROVIDED WITH BUILT IN THERMO MAGNETIC TYPE O/C & S/C RELEASE. SHUNT TRIP COIL & PUSH BUTTON SHALL BE PROVIDED TO INCOMERS MCCBs.

3.. ALL MCCBs SHALL BE PROVIDED WITH ON, OFF & TRIP INDICATION LAMP.

4.. ALL MCCBs AND MCBs SHALL BE CURRENT LIMITING TYPE.

5.. ALL AMMETER AND VOLTMETER SHALL BE ANALOUGE TYPE.

6.. CABLE SIZES SHOWN ARE INDICATIVE AND SHALL BE FINALISED DURING CABLE SIZING CALCULATION.

7.. THE DB SHALL COMPLY WITH THE TECHNICAL SPECIFICATION OF AEGCL.

8.. THE DB SHALL BE METAL ENCLOSED, FLOOR STANDING, FIXED TYPE FOR THE INCOMING & OUTGOING FEEDER MODULES.

NOTES CONTD. :-

9.. CABLE ENTRY TO THE DB SHALL BE FROM THE BOTTOM.

10..THE DB SHALL HAVE ENCLOSURE PROTECTION CLASS OF NOT LESS THAN IP 52.

11..THE CONSTRUCTION OF THE DB SHALL BE SUCH THAT TEMPERATURE RISE AT NO PART OF THE DB SHALL EXCEED THE LIMITS SPECIFIED IN IS/IEC 60947.

12..THE PANEL PAINTING SHADE SHALL BE RAL 7032 (PEBBLE GREY).

13. FOR DETAILS OF ALL LIGHTING PANELs, REFER INDIVIDUAL ILLUMINATION LAYOUT DRAWING.

14. BOTH CHANGEOVER AND RESTORATION OPERATION SHALL BE AUTOMATIC.

SINGLE LINE DIAGRAM OF 415V MLDB

0