



CATATAN

- SWITCHBOARD (MSB & SSB)**
- | | MSB | SSB |
|---|---|---|
| A | Isa & Isa FOR INCOMING MCB
Isa = 50A @ 415V
Isa = 100A @ 415V | Isa & Isa FOR INCOMING MCB
Isa = 25A @ 415V
Isa = 100A @ 415V |
| B | Isa & Isa FOR OUTGOING MCB
Isa = 50A @ 415V
Isa = 50% of Isa | Isa & Isa FOR OUTGOING MCB
Isa = 25A @ 415V
Isa = 50% of Isa |
- C. SWITCHBOARD CONSTRUCTION**
- i) CUBICLE FRONT AND REAR ACCESS
 - a. FORM OF SEPARATION: FORM 2b (Minimum)
 - b. THICKNESS OF FRAME: 23mm
 - c. THICKNESS OF PANEL: 23mm
 - d. INDEX OF PROTECTION: IP41
 - ii) CUBICLE FRONT ACCESS
 - a. FORM OF SEPARATION: FORM 2b (Minimum)
 - b. THICKNESS OF FRAME: 23mm
 - c. THICKNESS OF PANEL: 23mm
 - d. INDEX OF PROTECTION: IP41
 - e. INDEX OF PROTECTION: IP41
 - f. THICKNESS OF PANEL: 23mm
 - g. MOUNTING FROM FLOOR LEVEL: 750mm FROM FLOOR LEVEL
 - iii) WALL MOUNTED (Minimum)
 - a. INDEX OF PROTECTION: IP41
 - b. THICKNESS OF PANEL: 23mm
 - c. MOUNTING FROM FLOOR LEVEL: 750mm FROM FLOOR LEVEL
- D. OTHERS**
- i) SWITCHBOARD LABELLING LETTERING SHALL BE OF MINIMUM 10mm IN HEIGHT AND INCLUDE:
 - a. SWITCHBOARD MANUFACTURER
 - b. NAME AND LOCATION OF THE BUILDING AND INCOMING SUPPLY
 - c. ALL INDICATOR LIGHT SHALL BE OF LED TYPE
 - d. ALL SWITCHBOARD SHALL BE FABRICATED TO FIT THE ROOM SIZE
 - e. FOR INCOMING FEEDER CIRCUIT BREAKER WHICH RATED 400A AND ABOVE SHALL BE PROVIDED WITH PANEL MOUNTING EXTERNAL OPERATING HANDLE WITH LOCK CONTACTS
 - ii) CONNECTION OF THE EARTHING CONDUCTORS TO THE EARTH ELECTRODES SHALL BE BY EXOTHERMIC WELDED CONNECTORS
 - iii) EARTH ELECTRODES SHALL HAVE PURE COPPER UNIFORMLY MODELLY BORED DRILL 2.0mm DIA WITH 10mm CORE TO A MINIMUM THICKNESS OF 25mm
- F. TABLE 4 - DIMENSIONS OF THE MAIN SWITCHBOARD AND EARTHING CONDUCTORS**
- | PROSPECTIVE FAULT RATED CURRENT (I _{FR}) IN kA | MAIN EARTHING BAR (mm x mm) | EARTHING CONDUCTORS (mm x mm) |
|--|-----------------------------|-------------------------------|
| 1.25MVA | 25mm x 6mm | 1 x 25mm x 3mm |
| 25MVA < 42.5MVA | 31mm x 6mm | 2 x 25mm x 3mm |
| 35MVA < 42.5MVA | 38mm x 6mm | 2 x 25mm x 3mm |
| 42.5MVA < 42.5MVA | 50mm x 6mm | 3 25mm x 3mm |

DISAHKAN:

- PENGARAH KANAN CAWANGAN KEJURUTERAAN ELEKTRIK
- Y: HJ. MOHD FAZLI BIN OSMAN
PENGARAH PERUNDING REKABENTUK
- Y: NIK RAHIM BIN NIK MANSOR
KETUA JURUTERA ELEKTRIK
- Y: HAZIAN BIN HUSSEIN
JURUTERA ELEKTRIK PENJAJAG
- MUHAMMAD SYUKRI BIN KHAMIS
JURUTERA ELEKTRIK
- HILDA BT AHMAD FADZIL



Ibu Pejabat JKR Malaysia

PROJEK
PEMASANGAN ELEKTRIK UNTUK PROJEK KLINIK KESIHATAN 3 CERMAI 2 (12CE,SDCE) DAN KUARTERS (8F,16G) RAWANG, GOMBAK, SELANGOR D.E

TEMPAT
BILIK MSB.

BUTIR-BUTIR
RAJAH PENDAWAIAN SKEMATIK MAIN SWITCHBOARD.

UKURAN	N.T.S
DISURUH DARI	-
DILAKSI OLEH	YUSRI BIN YUSOFF
DISEMAK OLEH	SAFUL BAHRI BIN SAM'AM
TARIKH	DISEMBER 2008
BILANGAN LUKISAN	PKR (L) 397/2007
	PINDAAN

HQL.397/2007/E3

LUKISAN TENDER

LOGIC CIRCUIT

①	②	③
1	1	0
1	0	1
0	1	1

TOTAL MSB
TCL : 830.7kW
MD : 739.8kW
Imd : 1210.9Amp.

FLOOR AREA : 2559 m²
LIGHTING : 11 watt/m²
POWER : 37 watt/m²
LOAD : 272 watt/m²