AS BUILT DRAWING

BLOCK 2 - MAIN SINGLE LINE DIAGRAM — MSB-2 & EMSB-2

MSB-2 section

4x1C 95sq.mm XLPE/PVC CABLE + 50sq.mm CPC IN TRUNKING
4x1C 35sq.mm XLPE/PVC CABLE + 16sq.mm CPC IN TRUNKING
4x1C 95sq.mm XLPE/PVC CABLE + 50sq.mm CPC IN TRUNKING
4x1C 4sq.mm PVC CABLE + PVCsq.mm CPC IN TRUNKING

SB2-1/L (1ST STOREY- SWITCH ROOM)
SB2-1/P (1ST STOREY- SWITCH ROOM)
SB2-ACMV (1ST STOREY- SWITCH ROOM)
20A TPN ISOLATOR (BOOSTER PUMP)
20A TPN ISOLATOR (BOOSTER PUMP)
SPARE
SPARE
SPARE
SPARE

ELR 2CT
DPN
DPN
40A 4P +RCCB (100mA)
40A 4P +RCCB (100mA)

40AT/100AF TPN MCCB (16KA)
150AT/150AF TPN MCCB (16KA)
150AT/150AF TPN MCCB (25KA)
20AT/100AF TPN MCCB (16KA)
20AT/100AF TPN MCCB (16KA)
100AT/100AF TPN MCCB (16KA)
100AT/100AF TPN MCCB (16KA)
63AT/100AF TPN MCCB (16KA)
40AT/100AF TPN MCCB (16KA)

P1 P2 P3 P4 P5 P6 P7 P8 P9 P10

DPN
3 NOS. CTS CLASS 0.5 5VA
DTL IDMTL E/F O/C
4 NOS. 300A/5A PCT CLASS 5P10 20VA
300AT/300AF 4P MCCB (36KA)
S/T
100A 4P MCCB
LIGHTNING SURGE ARRESTOR (TYPE 1)
400A 4P MTS

L3 L3 L1 2A   2A L1 L3 L3

MSB-2 (CL : 134.32 KW)
LOCATED AT 1ST STOREY SWITCH ROOM

1X4C 300sqmm XLPE/SWA/PVC CABLES + C.P.C.(150sqmm) IN TRENCHING
FROM MSB-3-2
SPARE

25X3mm CU. TAPE CONNECTED IN RING

EMSB-2 section

4x1C 95sq.mm XLPE/PVC CABLE + 50sq.mm CPC IN TRUNKING
4x1C 150sq.mm XLPE/PVC CABLE + 70sq.mm CPC IN TRUNKING
4x1C 120sq.mm XLPE/PVC CABLE + 70sq.mm CPC IN TRUNKING
4x1C 35sq.mm XLPE/PVC CABLE + 16sq.mm CPC IN TRUNKING
4x1C 150sq.mm XLPE/PVC CABLE + 70sq.mm CPC IN TRUNKING
4x1C 25sq.mm FT CABLE + 16sq.mm CPC IN TRUNKING
4x1C 4sq.mm FR CABLE + 4sq.mm CPC IN TRUNKING
4x1C 16sq.mm PVC/PVC CABLE + 16sq.mm CPC IN TRUNKING
4x1C 120sq.mm XLPE/PVC CABLE + 70sq.mm CPC IN TRUNKING
4x1C 50sq.mm PVC/PVC CABLE + 25sq.mm CPC IN TRUNKING

ESB2-1/L (1ST STOREY- SWITCH ROOM)
ESB2-1/P (1ST STOREY- SWITCH ROOM)
ESB2-COM1 (1ST STOREY- SWITCH ROOM)
ESB2-COM3 (3RD STOREY- SWITCH ROOM)
ESB2-ACMV (1ST STOREY - SWITCH ROOM)
SB-ISC-1 (1ST STOREY - SWITCH ROOM)
ESB2-EXT (1ST STOREY - SWITCH ROOM)
20A TPN ISOLATOR (4R PUMP)
63A TPN ISOLATOR (LIFT)
300A 4P ISOLATOR
SPARE
SPARE
SPARE
SB-ISC-2 (1ST STOREY - SWITCH ROOM)

ELR 2CT   ELR 2CT   ELR 2CT
40A 4P +RCCB (100mA)
63A 4P +RCCB (100mA)
3 NOS. CTS CLASS 0.5 5VA
ELR 2CT

40AT/100AF TPN MCCB (16KA)
250AT/200AF TPN MCCB (16KA)
200AT/200AF TPN MCCB (16KA)
80AT/100AF TPN MCCB (16KA)
250AT/250AF TPN MCCB (25KA)
250AT/250AF TPN MCCB (25KA)
40AT/100AF TPN MCCB (16KA)
40AT/100AF TPN MCCB (16KA)
63AT/100AF TPN MCCB (16KA)
4P 300A (25KA)
100AT/100AF TPN MCCB (16KA)
63AT/100AF TPN MCCB (16KA)
63AT/100AF TPN MCCB (16KA)
250AT/250AF TPN MCCB (25KA)

P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14

DPN
3 NOS. CTS CLASS 0.5 5VA
DTL IDMTL E/F O/C
4 NOS. 800A/5A PCT CLASS 5P10 20VA
800AT/800AF 4P MCCB (36KA)
S/T
100A 4P MCCB
LIGHTNING SURGE ARRESTOR (TYPE 1)

L3 L3 L1

EMSB-2 (CL : 419.37 KW)
LOCATED AT SWITCH ROOM

3 SETS (1x4C 240sqmm XLPE/SWA/PVC CABLES + 120sqmm CPC) IN TRENCHES
FROM EMSB-3-2

25X3mm CU. TAPE CONNECTED IN RING

Title block

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Project Title:
PROPOSED ADDITIONS OF 1 BLOCK OF 3-STOREY OFFICE BUILDING BLK 2, 1 BLOCK OF 6-STOREY ACCOMMODATION BUILDING BLK 3 (11), 1 BLOCK OF 4-STOREY ACCOMMODATION BUILDING BLK 4 (10), 1 BLOCK OF 2-STOREY TRAINING MULTIPLEX BLK 9 (6), 1 BLOCK OF MSVS BLK 10 (9), AND ANCILLARY FACILITIES BLK 5, 6(4) & 8 TO EXISTING DIEPPE BARRACK ON LOT 05019M MK13 AT SEMBAWANG ROAD (MANDAI PLANNING AREA)

Drawing Title:
BLOCK 2 - MAIN SINGLE LINE DIAGRAM MSB-2 & EMSB-2

	Initial	Date	Job ref no.
Designed	JEFFREY	15/01/2024	
Checked	JEFFREY	15/01/2024	
Drawn	KHANG	15/01/2024	Filename
Software	CAD		
Scale	NTS		Sources

Drawing no.
D2019-00162/ELECT/BLK2/MSLD/01