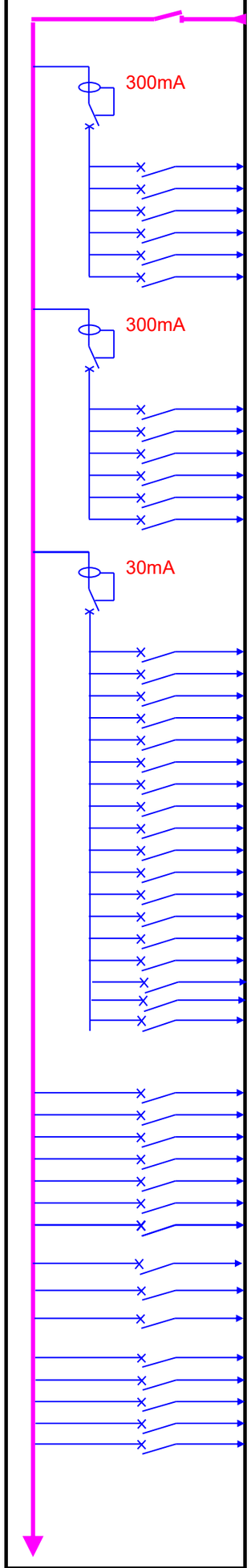
FINAL BRANCH CIRCUIT PANELBOARD

Building : Kesrouane Medical Center
Location: Basement 1

Voltage: 220/380V

Panel Ref.: DB-CHE
Panel Type: Recessed Mounted



Circuit Ref	CABLES Type	CABLES Size mm2	Control	Rate (A)	Load (W) R	Load (W) Y	Load (W) B	Load (W) Total	Designation of Load
MS-1	PVC	4x25mm²+1x16mm²		80				37021	From MDB+ATS
L1	PVC	3x2.5mm²		16	700			700	Lighting
L2	PVC	3x2.5mm²		16		640		640	Lighting
L3	PVC	3x2.5mm²		16			520	520	Lighting
L4	PVC	3x2.5mm²		16	480			480	Lighting
L5				16		-		0	Spare
L6				16			-	0	Spare
EL1	PVC	3x2.5mm²	CBS	16	52			52	Emergency Lighting
EL2				16				0	Spare
EL3				16				0	Spare
EL4				16	-			0	Spare
EL5				16		-		0	Spare
EL6				16			-	0	Spare
R1	PVC	3x2.5mm²		16	1000			1000	Sockets Nurse Station
R2	PVC	3x2.5mm²		16		800		800	Sockets Medication Prep Rm + Storage
R3	PVC	3x2.5mm²		16			1600	1600	Sockets VIP Infusion Bay
R4	PVC	3x2.5mm²		16	1000			1000	Sockets Infusion Bay
R5	PVC	3x2.5mm²		16		1200		1200	Sockets BHU TY3
R6	PVC	3x2.5mm²		16			1200	1200	Sockets BHU TY3
R7	PVC	3x2.5mm²		16	1200			1200	Sockets BHU TY3
R8	PVC	3x2.5mm²		16		1400		1400	Sockets VIP Infusion Bay
R9	PVC	3x2.5mm²		16			1200	1200	Sockets BHU TY3
R10	PVC	3x2.5mm²		16	1200			1200	Sockets Nurse Station + WCs
R11	PVC	3x2.5mm²		16		1600		1600	Sockets VIP Infusion Bay
R12	PVC	3x2.5mm²		16			800	800	Sockets Dirty/Clean Utility Rm
R13	PVC	3x2.5mm²		16	800			800	Sockets Nurse Station + Doctor
R14	PVC	3x2.5mm²		16		1600		1600	Sockets Waiting Area
R15	PVC	3x2.5mm²		16			600	600	Sockets WCs
R16	PVC			16				0	Spare
R17	PVC			16					Spare
R18	PVC	3x2.5mm²		16			1200		Sockets Reception
M1	PVC	3x2.5mm²		16	400			400	VRV-IU-06/07
M2	PVC	3x2.5mm²		16		400		400	VRV-IU-03/04
M3	PVC	3x2.5mm²		16			600	600	VRV-IU-01/02/05
M4	PVC	3x2.5mm²		16	200			200	VRV-IU-08
M5	PVC	3x2.5mm²	TIMER	16		20		20	EAF-04
M6	PVC	3x2.5mm²	TIMER	16			50	50	EAF-05
M7	PVC	3x2.5mm²	TIMER	16	100				EAF-06
M8	PVC	3x2.5mm²	INTERLOCKED WITH EAF-MZ-	16		110			FAF-01
M9	PVC	3x2.5mm²	TIMER	16			20		EAF-03
M10	PVC	3x2.5mm²	SELECTOR SWITCH	16	20				EAF-02
M11	PVC	3x2.5mm²	TIMER	16		200			EAF-01
M12	PVC	3x2.5mm²		16					
M13	PVC	5x16mm²		63	6667				VRF-OU-CHEM
M14						6667			
M15							6667		

40% additional space must be provided in each panel board for future expansion. A digital Multimeter is provided in this panel

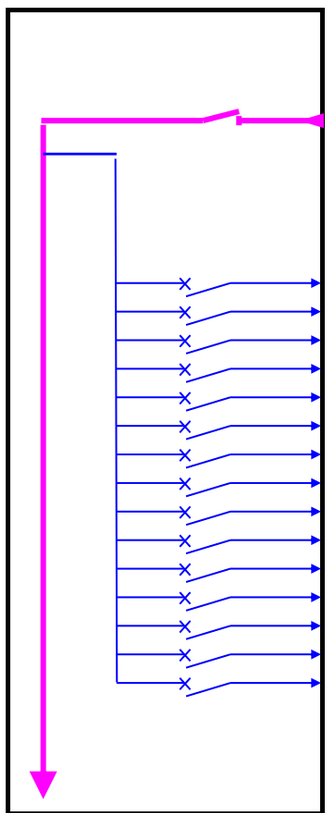
Breaking Capacity: 10KA	Rate (A)	Connected Load(W) R	Y	B	Total	Diversity Factor	Required Load (W)
Lighting		1180	640	520	2340	1	2340
Emergency Lighting		52	0	0	52	1	52
Sockets		5200	6600	6600	18400	0.8	14720
Mechanical		7387	7397	7337	22121	0.9	19909
Main Rotary Switch	80	13819	14637	14457	42913		37021

FINAL BRANCH CIRCUIT PANELBOARD

Building : Kesrouane Medical Center
Location: Basement 1

Voltage: 220/380V

Panel Ref.: UDB-CHE
Panel Type: Recessed Mounted



Circuit Ref	CABLES Type	CABLES Size mm2	Control	Rate (A)	Load (W) R	Load (W) Y	Load (W) B	Load (W) Total	Designation of Load
MS-1	PVC	5x6mm²		32				11430	From UPS (Existing to be checked)
U1	PVC	3x2.5mm²		16	1200			1200	Sockets Nurse Station + Medication Prep Rm
U2	PVC	3x2.5mm²		16		1200		1200	Sockets VIP Infusion Bay
U3	PVC	3x2.5mm²		16			1600	1600	Sockets Infusion bay + Nurse Station
U4	PVC	3x2.5mm²		16	800			800	Sockets BHU TY3
U5	PVC	3x2.5mm²		16		800		800	Sockets BHU TY3
U6	PVC	3x2.5mm²		16			800	800	Sockets BHU TY3
U7	PVC	3x2.5mm²		16	1200			1200	Sockets VIP Infusion Bay
U8	PVC	3x2.5mm²		16		800		800	Sockets BHU TY3
U9	PVC	3x2.5mm²		16			1200	1200	Sockets VIP Infusion Bay
U10	PVC	3x2.5mm²		16	800			800	Sockets Dirty/Clean Utility Rm
U11	PVC	3x2.5mm²		16		200		200	NURSE CALL DISPLAY
U12	PVC	3x2.5mm²		16			200	200	NURSE CALL DISPLAY
U13	PVC	3x2.5mm²		16	200			200	NURSE CALL DISPLAY
U14	PVC	3x2.5mm²		16		1200		1200	Sockets Nurse Station + Doctor + Waiting Area
U15	PVC	3x2.5mm²		16			500	500	IDF

40% additional space must be provided in each panel board for future expansion. A digital Multimeter is provided in this panel

Breaking Capacity: 10KA
Sockets
Main Rotary Switch

Rate (A)	Connected Load(W) R	Connected Load(W) Y	Connected Load(W) B	Connected Load(W) Total
	4200	4200	4300	12700
32	4200	4200	4300	12700

Diversity Factor	Required Load (W)
0.9	11430
	11430