IAN BANHAM & ASSOCIATES   ELECTRICAL

PROJECT : **B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING**	**DETAILS OF CONNECTED LOAD/MAX. DEMAND**	AREA	:	**AL QUOZ FIRST, DUBAI**
PLANNED COMPLETION DATE : **2024**	OWNER : **M/S. INTER EMIRATES MOTORS**	PLOT	:	**35410013**
LV MDB REF : **LV MDB -2**	CONSULTANT : **M/S. IAN BANHAM & ASSOCIATES**	LOCATION	:	**LV ROOM BASEMENT FLOOR**

SR. NO	CIRCUIT FEEDER DB NO.	SP/ TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE SWA/PVC/SC	CABLE SIZE		LENGTH OF CABLE (Mtrs)	ECC SIZE -1C mm²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			2/4x1C mm²	2/3/4C mm²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)	
1	INCOMER - 1	4P	2500 SET @ 0.85			50	BY DEWA				2x1C 150							1	2400/5A CTM
2	INCOMER - 2	4P	2500 SET @ 0.85			50	BY GENERATOR SUPPLIER				PROVISION FOR MOBILE GENERATOR WITH ELECTRICAL AND MECHANICAL INTERLOCK								
	OUTGOING	(D.O.T)																	
1	CHILLER-1	TP		800		50	XLPE/SWA/PVC		2x4C 300		2x1C 150	103.33	103.33	103.33	310.00				DUTY CHILLER
2	CHILLER-2	TP		800		50	XLPE/SWA/PVC		2x4C 300		2x1C 150	103.33	103.33	103.33	310.00				DUTY CHILLER +STAND BY CHILLER
3	CHILLER-3	TP		800		50	XLPE/SWA/PVC		2x4C 300		2x1C 150	103.33	103.33	103.33	310.00				WITH E/M INTERLOCK
3	MCC-CHW	TP		125		50	XLPE/SWA/PVC		4C 50		1C 25	18.50	18.50	18.50	55.50				STAND BY LOAD 17.5KW
4	SMDB-RN	TP		350		50	XLPE/SWA/PVC		4C 240		1C 120	57.97	57.77	57.47	173.20				
13	AHF PROVISION	TP		400		50			--		--								*
14	CAPACITOR BANK	TP		1000		50	XLPE/SWA/PVC		3x4C 300		3X1C 150	350 kVAR CAPACITOR BANK"							
	LV MDB -2 CONNECTED TO **TRANSFORMER #2 1500KVA**					TOTAL CONNECTED LOAD PER PHASE						386.47	386.27	385.97	1158.70			1	TOTAL

DEMAND FACTOR…1.00…   MAX. DEMAND…831.20…kW   TOTAL CONNECTED LOAD (3 PHASE)…1,158.70…kW   TOTAL BUILD - UP AREA ………   ACTUAL LOAD (3 PH)…831.20...kW

CONSULTANTS : **M/S. IAN BANHAM AND ASSOCIATES**   TEL : 04 - 370 5777   FAX : 04 - 370 5888

Type of Meter (Rating of Incomer) :   (1) UPTO 60A   (2) UPTO 125A   (3) LV CT   ………../………..   HV CT ………../………..A
                                             (1 PHASE)   (3 PHASE)

* REFER SINGLE LINE DIAGRAM FOR ELCB RATING