

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	
SUMMARY										CONSULTANT : M/S. IAN BANHAM & ASSOCIATES													

SR. NO	CIRCUIT FEEDER DB NO.	SP/TP	RATING - AMPS			FAULT DUTY KA	PVC/XLPE	CABLE SIZE		ECC SIZE - 1C mm ²	MAXIMUM DEMAND kW	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB		SWA/PVC/SC	2/4x1C mm ²	2/3/4C mm ²			R-PHASE kW	Y-PHASE kW	B-PHASE kW	TOTAL kW	1 Ph (1)	3 Ph (2)	LV/HV CT (3)	
	INCOMER																		
	OUTGOING																		
1	LV MDB - 1	4P	2500 <small>SET @ 0.85</small>			50		BY DEWA	2x1C 150	1200.01	624.80	611.60	603.90	1840.30			1	2400/5A CTM	
2	LV MDB - 2	4P	2500 <small>SET @ 0.85</small>			50		BY DEWA	2x1C 150	831.20	386.47	386.27	385.97	1158.70			1	2400/5A CTM	
						50													
						TOTAL CONNECTED LOAD PER PHASE				2031.21	1011.27	997.87	989.87	2999.00			2	TOTAL	
DEMAND FACTOR...0.68... MAX. DEMAND...2,031.21...kW TOTAL CONNECTED LOAD (3 PHASE)...2,999.00...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH)...2,999.00...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 (1 PHASE)		(2) UPTO 125A (3 PHASE)		(3) LV CT/.....				HV CT/.....A					

REV.	DATE
0	December 05, 2023