

IAN BANHAM & ASSOCIATES

ELECTRICAL

PROJECT : B+G+M+1 FLOOR CAR SHOWROOM & OFFICE BUILDING DETAILS OF CONNECTED LOAD/MAX. DEMAND																		
SMDB REF : SMDB - IN1					CONSULTANT : M/S. IAN BANHAM & ASSOCIATES					LOCATION : ELECT ROOM 1ST 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 mm ²	CONNECTED LOAD - KW				KWH METER			REMARKS
			ACB	MCCB	MCB			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	TP		400 (N/A)		30	XLPE/SWA/PVC		4C 300		1C 150								
	OUTGOING																		
1	DB-1N1	TP		100		30	XLPE/SWA/PVC		4C 35		1C 16	17.60	13.30	16.60	47.50				*
2	CAR LIFT	TP		125		30	XLPE/SWA/PVC		4C 50		1C 25	18.33	18.33	18.33	55.00				*
3	CAR LIFT	TP		125		30	XLPE/SWA/PVC		4C 50		1C 25	18.33	18.33	18.33	55.00				*
4	CAR LIFT CONTROL	SP		20		30	XLPE/SWA/PVC		2C 4		1C 4	0.50			0.50				*
4	CAR LIFT CONTROL	SP		20		30	XLPE/SWA/PVC		2C 4		1C 4		0.50		0.50				*
4	SPARE	SP		80		30	--		--		--								
5	EV CHARGER	TP		63		30	XLPE/SWA/PVC		4C 16		1C 16	7.33	7.33	7.33	22.00				*
SMDB - IN1 CONNECTED TO LV MDB-1						TOTAL CONNECTED LOAD PER PHASE						62.10	57.80	60.60	180.50				TOTAL
DEMAND FACTOR..... MAX. DEMAND.....kW TOTAL CONNECTED LOAD (3 PHASE)...180.50...kW TOTAL BUILD - UP AREA ACTUAL LOAD (3 PH)...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																			

* REFER SINGLE LINE DIAGRAM FOR ELCB RATING