

OCTAGON DEVELOPMENTS**Overbye****South Road, St Georges Hill, Weybridge, Surrey KT13 0NA****Electrical Load Schedule****09/09/2013****Electrical Loadings**

Item	Description	Connected kVA	Diversity	MD kVA
1.0	Lighting Internal	20.00	0.80	16.00
2.0	30% spare for future internal lighting upgrade	6.00	0.80	4.80
3.0	Small Power loadings	15.00	0.60	9.00
4.0	Kitchens (Family, Staff & Catering)	30.00	0.60	18.00
5.0	Laundry	6.00	0.60	3.60
6.0	Heat pump (ASHP)	15.00	0.80	12.00
7.0	Condensing units (comfort cooling & wine cellar)	40.00	0.80	32.00
8.0	Booster sets	12.00	0.60	7.20
9.0	Pool plant	20.00	0.60	12.00
10.0	Steam Room/Sauna	20.00	0.60	12.00
11.0	Mechanical plant (fans, boilers, fancoil units, air-handling units,etc)	60.00	0.80	48.00
12.0	Electric heating - Garage	6.00	0.60	3.60
13.0	Immersion heater	9.00	0.00	0.00
14.0	Irrigation pumps and equipment	15.00	0.50	7.50
14.0	Landscape lighting and features	20.00	0.60	12.00
15.0	30% spare for future external lighting upgrade	6.00	0.60	3.60
16.0	Sewage pumping	2.00	0.50	1.00
	Totals	302.00		202.30

285A/Phase**Recommend 400A TP&N head****which will provide additional overall spare capacity of approx 35%**