

Project: Blacktown Zoo Project: Blacktown 250
Project #: P15085
Created By: HD
Created on: 27/10/15

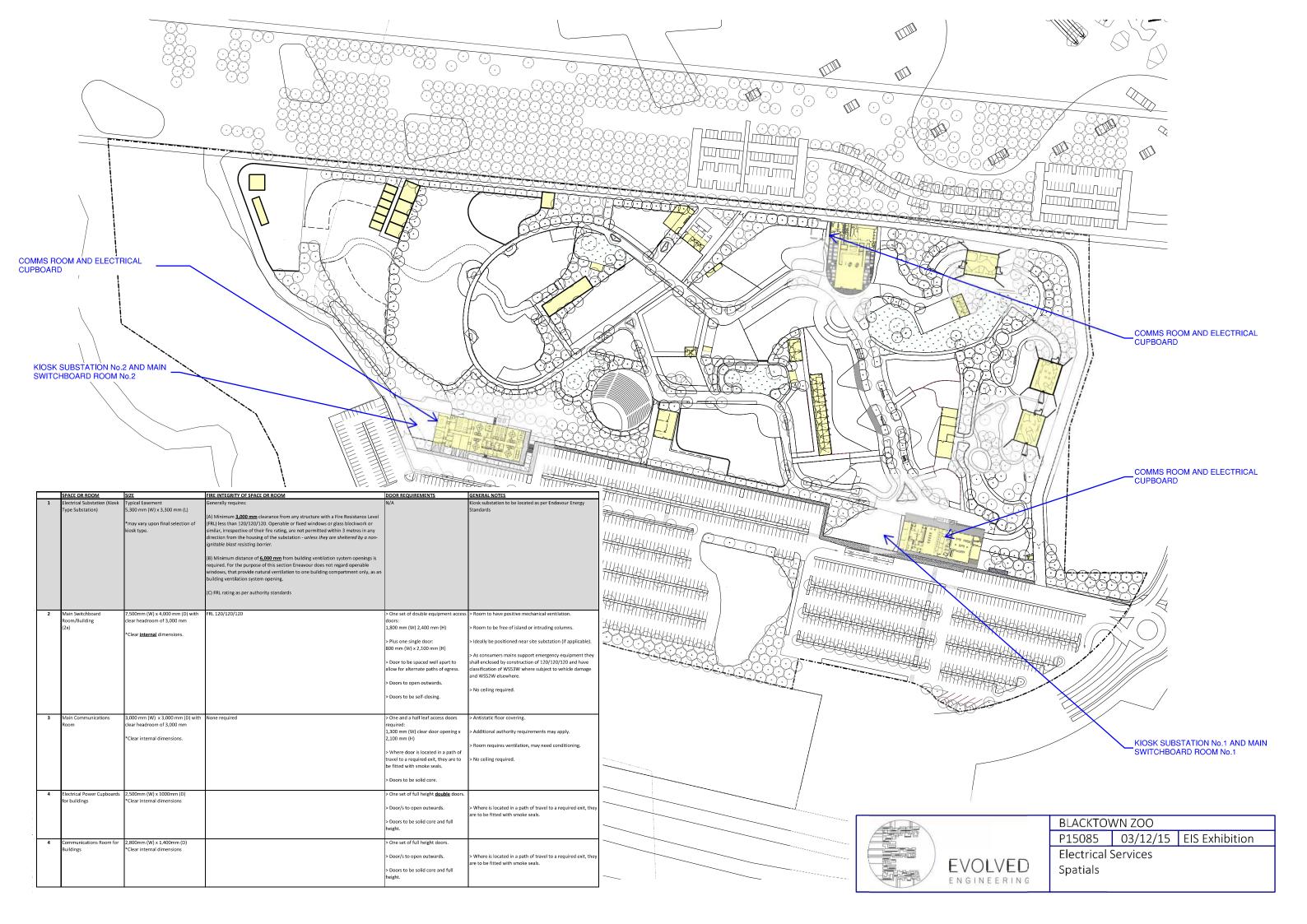


D. T.P.	Baraniatian	A	\/	T-1-11/A	A /Dl	Comments
Building	Description				Amps/Phase	Comments
	1 Retail 1	332	150	49800		Lighting Power and A/C
	1 retail Store	104	150	15600		Lighting Power and A/C
	1 Amentias	194.5	80	15560		Lighting Power and A/C
	1 Entry Pay	201	120	24120		Lighting Power and A/C
	1 Group Pay	101	120	12120		Lighting Power and A/C
	1 Prayer Room	8.5	120	1020		Lighting Power and A/C
	2 Kitchen/Servery	285	600	171000		Lighting Power and A/C
	2 Eating and sitting	830	120	99600		Lighting Power and A/C
	2 Garbage	58	100	5800		Lighting Power and A/C
	2 Amentias	150	80	12000		Lighting Power and A/C
	2 Loading Dock	150	70	10500		Lighting Power and A/C
	2 Future Expansion	380	160	60800		Lighting Power and A/C
	3 Office/Admin	370	180	66600		Lighting Power and A/C
	3 Vet area	115	300	34500		Lighting Power and A/C
	3 Food Prep & Storage	270	180	48600	67.5	Lighting Power and A/C
Animal enclosures						
	Aquarium	450	250	112500		Lighting Power and A/C Tank Heating pumps
	Local Reptiles	450	120	54000		Lighting Power and A/C
	Koalas	100	120	12000		Lighting
	Nocturnal Exhibit	630	120	75600		Lighting power heating
	Meerkats	260	20	5200		Lighting
	Land Gorillas	1250	30	37500		lighting
	Dingoes	450	30	13500		lighting
	Echidna	50	60	3000		lighting
	Amentias	120	110	13200		Lighting Power
	Petting Zoo	400	30	12000		Lighting
	Arboreal Monkey	800	30	24000		Lighting
	crocodiles	600	80	48000		Lighting
	Chimpanzee	2000	40	80000		Lighting
	Elephants	4800	15	72000		Lighting
	Hamadryas Baboon	1500	30	45000		Lighting
	Tigers	1500	35	52500		Lighting
	Orang-Utans	450	50	22500		Lighting
	Sun-Bear	450	70	31500		Lighting
	Hippos	3200	80	256000		Lighting
	Show Arena	1250	40	50000		Lighting
	Kiosk	120	210	25200		Lighting Power and A/C
	Avery	1150	20	23000		Lighting
	Cheetahs	1500	35	52500		Lighting
	Lions	3450	30	103500		Lighting
	African Wild Dogs	1200	20	24000		Lighting
	Leopards	450	35	15750		Lighting
	African Grassland	7500	10	75000		Lighting
	Service Yard	2500	20	50000	69.4	Lighting and power
	Carpark	20000	10	200000		Lighting & CCTV
	Overflow Carpark	10000	10	100000		Lighting & CCTV
	Pathways	13000	8	104000	144.4	Lighting & CCTV
Pumps				10000	13.9	
	 					
Total				2430570	3375.8	

NOTES TO TABLE C3:

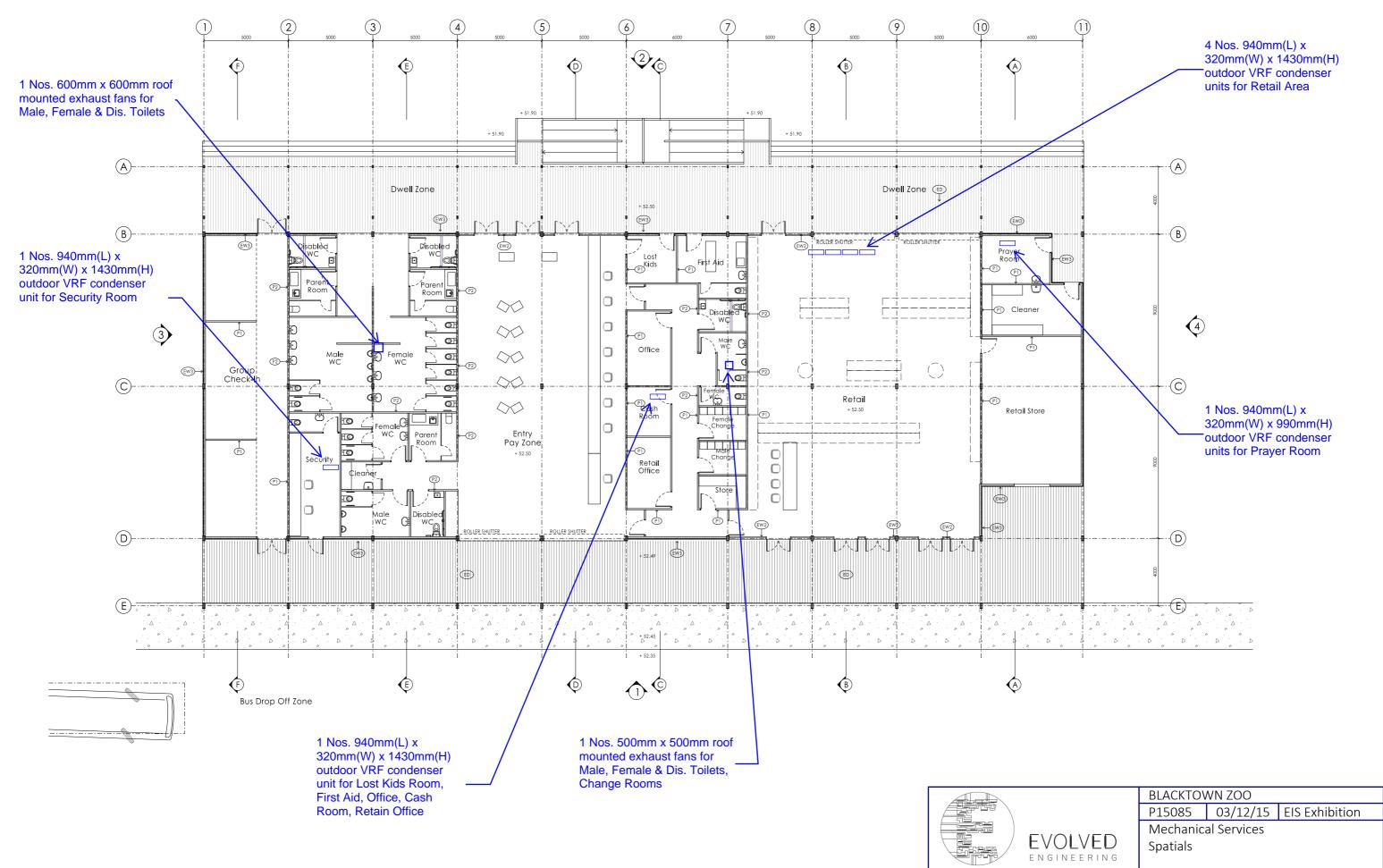
- a See Clause 1.6.3 for where the maximum demand for consumers mains, submains, and final subcircuits, respectively, may be determined by assessment, measurement or limitation.

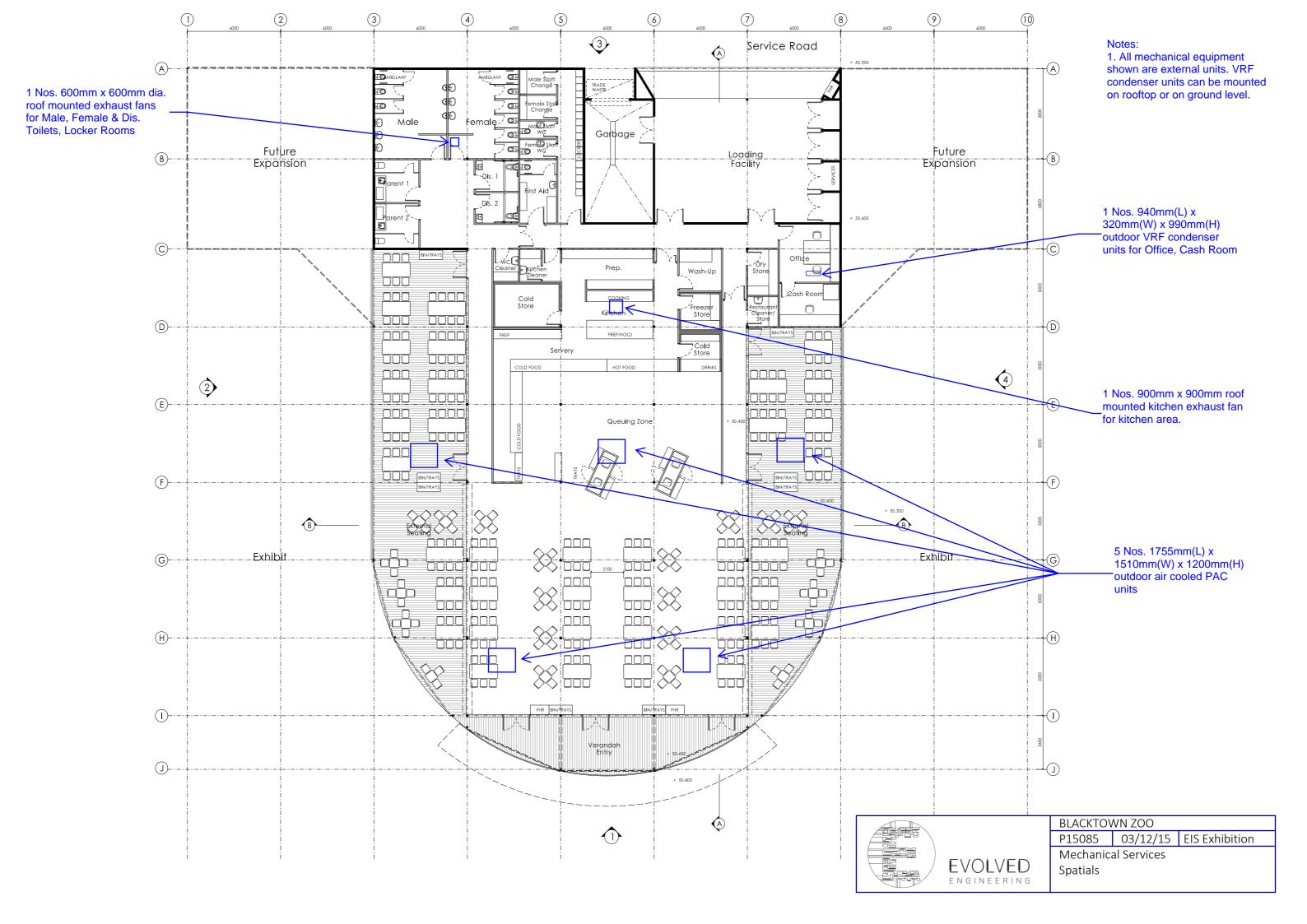
- b In the calculation of the connected load, the following ratings shall be assigned to lighting:
 (i) Incandescent lamps 60 W or the actual wattage of the lamp to be installed, whichever is the greater, except that if the design of the luminaire associated with the lampholder permits only lamps of less than 60 W to be inserted in any lampholder, the connected load of that lampholder shall be the wattage of the highest rated lamp which may be accommodated. For multi-lamp luminaires, the load for each lampholder shall be assessed on the above basis.
 (iii) Fluorescent and other discharge lamps Full connected load, i.e. the actual current consumed by the lighting arrangement, having regard to auxiliary equipment, such as ballasts and capacitors.
 (iii) Lighting tracks 0.5 A/m per phase of track or the actual connected load, whichever is the greater.
- c A socket-outlet installed more than 2.3 m above a floor for the connection of a luminaire may be included as a lighting point in load group A. An appliance rated at not more than 150 W, which is permanently connected, or connected by means of a socket-outlet installed more than 2.3 m above a floor, may be included as a lighting point in load group A.
- a Load group B (ii) applies to an electrical installation, or portion of an electrical installation, incorporating permanently installed heating and/or cooling equipment specifically provided to render unnecessary the use of socketoutlets for portable electric space heating or cooling appliances. Whether heating or cooling or both is deemed necessary to avoid the use of portable heating or cooling equipment will depend on the location and climate involved.
- e For the purpose of determining maximum demand, a multiple combination socket-outlet shall be regarded as the same number of points as the number of integral socket-outlets in the combination.



Notes:

1. All mechanical equipment shown are external units. VRF condenser units can be mounted on rooftop or on ground level.





Notes:

