

PROJECT : XYZ EQUIPMENT SELECTION

S. No.	DESCRIPTION	AREA (SQFT)	HEIGHT (Feet)	OCCUPANCY (Nos)	LIGHTING LOAD (W/SQFT)	EQUIPMENT LOAD (WATTS)	FRESH AIR (CFM)	DEHUMIDIFIED (CFM)	COOLING LOAD (TR)	INDOOR UNIT SELECTION	QTY	INSTALLED TR	INSTALLED CFM	INDOOR ELEC KW	REMARKS
BASEMENT FLOOR															
1	S1 Room	290	12.5	6	0.5	400	137	303	1.3	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
2	S2 Room	290	12.5	6	0.5	400	137	303	1.3	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
3	S3 Room	290	12.5	6	0.5	400	137	321	1.3	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
4	S4 Room	290	12.5	6	0.5	400	137	321	1.3	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
5	D2 Room (Spa)	484	12.5	8	0.5	400	189	342	1.7	2.0 TR 800 CFM FCU Unit	1	2	800	0.145	
6	D1 Room (Spa)	484	12.5	8	0.5	400	189	377	1.7	2.0 TR 800 CFM FCU Unit	1	2	800	0.145	
7	Gym Area	1011	12.5	22	0.5	2517	501	1344	7.8	8 TR 1500 CFM CS AHU	1	8	1500	1.1	
8	Spa Reception	990	12.5	18	0.5	300	419	633	3.3	4 TR 800 CFM CS AHU	1	4	800	0.55	
9	Office Area	236	12.5	10	0.5	200	64	290	1.1	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
10	Salon	1291	12.5	20	0.5	1500	477	976	4.4	5 TR 1000 CFM CS AHU	1	5	1000	0.55	
11	Kid Club	1926	12.5	20	0.5	500	381	1056	4.9	5 TR 1200 CFM CS AHU	1	5	1200	0.75	
12	Bowling Alley & Sitting	3971	12.5	15	0.5	500	589	1807	6.6	7 TR 2000 CFM CS AHU	1	7	2000	1.5	
13	Staff Café	1862	12.5	19	0.5	3724	207	1446	3.8	5 TR 1500 CFM CS AHU	1	5	1500	1.1	
14	Male Locker I	1044	12.5	10	0.5	100	0	527	1.2	3 TR 1000 CFM CS AHU	1	3	1000	0.55	
15	Female Locker I	576	12.5	6	0.5	100	0	322	0.7						
16	Linen & Uniform Room	954	12.5	0	0.5	0	0	382	0.6	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
17	HK Office	172	12.5	2	0.5	200	20	166	0.4	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
18	Flower Room	96	12.5	1	0.5	0	11	233	0.5	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
19	Female Locker II	301	12.5	3	0.5	100	0	244	0.5	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
20	Male Locker II	301	12.5	3	0.5	100	0	244	0.5	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
SUB TOTAL AC		16859					3595	11637	44.9		19	53.5	15600	7.22	0
TFA BASEMENT															Not required, natural ventilation will be provided
STILT FLOOR															
1	Siting Area	1151	9	36	0.5	2000	477	1186	4.7	2 TR 800 CFM FCU Hideaway type	4	4	1600		
2	All Day Dining	5914	17	200	1.5	8000	2565	7572	25.5	12 TR 4000 CFM CS AHU	1	12	4000		
										5 TR 2000 CFM CS AHU	1	5	2000		
										2 TR 800 CFM FCU Unit	4	8	3200		
										1.5 TR 600 CFM FCU Hideaway type	2	3	1200		
3	Meeting Room 3	753	9	50	0.5	1506	295	1299	5.2	2 TR 800 CFM FCU Unit	2	4	1600		
4	Meeting Room 2	441	9	29	0.5	1120	171	719	2.9	3 TR 1200 CFM FCU Unit	1	3	1200	0.21	
5	Meeting Room 1	484	9	32	0.5	980	189	713	3	3 TR 1200 CFM FCU Unit	1	3	1200	0.21	
6	Chefs Office	86	9	2	0.5	100	15	96	0.3	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
7	Bakery & Confectionary	527	9	10	0.5	4000	170	1849	4.6	5 TR 2000 CFM CS AHU	1	5	2000	1.5	
8	Cold Veg Garde Manager	182	9	2	0.5	100	21	146	0.4	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
9	Meat Preparartion	182	9	4	0.5	100	63	384	1.3	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
10	Receiving, Purchase Office	107	9	1	0.5	100	11	97	0.2	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
11	Admin, account & IT office	1582	9	16	0.5	1500	175	1055	3	4 TR 1200 CFM CS AHU	1	4	1200	0.75	
12	Lab	75	9	2	0.5	150	15	101	0.3	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
13	Security Room	269	9	0	0.5	100	16	188	0.4	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
14	Room Service	290	9	6	0.5	200	47	254	0.8	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	

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15	Training office	215	9	4	0.5	215	33	226	0.6	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
16	Training Manager	75	9	2	0.5	200	15	116	0.3	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
17	Doctor Room	64	9	3	0.5	150	19	107	0.4	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
18	Flower Room	53	9	1	0.5	0	8	53	0.2	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
19	HR Manager	64	9	2	0.5	150	14	95	0.3	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
20	HR Office	150	9	2	0.5	300	19	163	0.4	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
21	Interview Room	96	9	3	0.5	100	21	114	0.4	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
22	Guest Room 1	300	9	2	0.5	150	35	327	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
23	Guest Room 2	300	9	2	0.5	150	35	307	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
24	Guest Room 3	300	9	2	0.5	150	35	307	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
25	Guset Room 4	300	9	2	0.5	150	35	307	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
26	Guest room 5	300	9	2	0.5	150	35	300	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
	SUB TOTAL AC	14260					4534	18081	58.2		37	73	28000	4.128	
	TFA STILT FLOOR														Not required, natural ventilation will be provided
GROUND FLOOR															
1	Great Room	2809	9	75	0.5	4000	1068	2575	10.4	2 TR 800 CFM FCU Unit	2	4	1600		
										2 TR 800 CFM FCU Hideaway type	3	6	2400		
										3 TR 1200 CFM FCU Hideaway type	2	6	2400		
2	Reception + Concierge area	2335	9	15	0.5	500	533	1108	4.7	10 TR 2000 CFM CS AHU	1	10	2000	1.5	
3	Main Lobby (DH)	914	18	30	0.5	100	390	647	3.8						
4	Group Checkin Seating	592	9	20	0.5	200	257	524	2.4	1.5 TR 600 CFM FCU Unit	1	1.5	600		
5	Group Checkin	548	9	6	0.5	200	144	370	1.4	3 TR 1200 CFM CS AHU	1	3	1200		
6	Safe Deposit	150	9	2	0.5	200	19	132	0.4	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
7	Business Centre	279	9	6	0.5	350	47	255	0.8	1.5 TR 500 CFM CS AHU	1	1.5	500	0.37	
8	Shop 1	570	9	13	0.5	200	166	447	1.9	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
9	Shop 2	570	9	13	0.5	200	166	447	1.9	1.0 TR 400 CFM FCU Unit	1	1	400	0.066	
10	Banquet	6383	18	500	1.5	9574	6511	11655	64.3	16 TR 4000 CFM CS AHU	4	64	16000	5.5	
11	Prefunction 1	1905	18	190	1.5	4000	1654	4585	21	11 TR 2500 CFM CS AHU	2	22	5000	2.2	
12	Prefunction 2	1969	18	196	1.5	4000	1661	5916	23.2	12 TR 3000 CFM CS AHU	2	24	6000	3.7	
13	Prefunction 3	1905	18	190	1.5	4000	1654	4585	21	11 TR 2500 CFM CS AHU	2	22	5000	2.2	
14	Speciality Restaurant	1410	9	35	0.5	500	516	3306	8.2	2 TR 800 CFM DX Hi Wall Unit	4	8	3200	12.8	
15	Guest room 1	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
16	Guest room 2	300	9	2	0.5	150	35	254	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
17	Guest room 3	300	9	2	0.5	150	35	254	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
18	Guest room 4	300	9	2	0.5	150	35	254	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
19	Guest room 5	300	9	2	0.5	150	35	254	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
20	Guest room 6	300	9	2	0.5	150	35	254	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
21	Guest room 7	300	9	2	0.5	150	35	254	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
22	Guest room 8	300	9	2	0.5	150	35	254	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
23	Guest room 9	300	9	2	0.5	150	35	281	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
24	Guest room 10	300	9	2	0.5	150	35	310	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
25	Guest room 11	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
26	Guest room 12	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
27	Guest room 13	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
28	Guest room 14	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	

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29	Guest room 15	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
30	Guest room 16	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
31	Guest room 17	300	9	2	0.5	150	35	305	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
32	Guest room 18	300	9	2	0.5	150	35	313	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
33	Guest room 19	300	9	2	0.5	150	35	313	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
34	Guest room 20	300	9	2	0.5	150	35	313	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
35	Guest room 21	300	9	2	0.5	150	35	310	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
	SUB TOTAL AC	28639					15521	42552	176.8		49	206.5	59700	30.568	
	TFA GROUND FLOOR														
	TFA Guest Corridor	1248					1248								Considering 1 cfm /sqft for corridor
	TFA Guest Room 1 -16						560								
	SUB TOTAL TFA I	1248					1808		9.04	8.5 TR 1800 CFM custom TFA	1	8.5	1800		
FIRST FLOOR															
1	Guest room 1	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
2	Guest room 2	300	9	2	0.5	150	35	284	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
3	Guest room 3	300	9	2	0.5	150	35	284	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
4	Guest room 4	300	9	2	0.5	150	35	284	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
5	Guest room 5	300	9	2	0.5	150	35	284	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
6	Guest room 6	300	9	2	0.5	150	35	284	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
7	Guest room 7	300	9	2	0.5	150	35	284	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
8	Guest room 8	300	9	2	0.5	150	35	284	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
9	Guest room 9	300	9	2	0.5	150	35	366	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
10	Guest room 10	300	9	2	0.5	150	35	310	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
11	Guest room 11	300	9	2	0.5	150	35	314	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
12	Guest room 12	300	9	2	0.5	150	35	314	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
13	Guest room 13	300	9	2	0.5	150	35	305	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
14	Guest room 14	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
15	Guest room 15	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
16	Guest room 16	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
17	Guest room 17	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
18	Guest room 18	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
19	Guest room 19	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
20	Guest room 20	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
21	Guest room 21	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
22	Guest room 22	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
23	Guest room 23	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
24	Guest room 24	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
25	Guest room 25	300	9	2	0.5	150	35	289	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
26	Guest room 26	300	9	2	0.5	150	35	289	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
27	Guest room 27	300	9	2	0.5	150	35	289	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
28	Guest room 28	300	9	2	0.5	150	35	289	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
29	Guest room 29	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
30	Guest room 30	300	9	2	0.5	150	35	199	0.4	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
31	Guest room 31	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
32	Guest room 32	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	

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33	Guest room 33	300	9	2	0.5	150	35	310	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
34	Guest room 34	300	9	2	0.5	150	35	306	0.4	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
35	Guest room 35	300	9	2	0.5	150	35	306	0.4	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
36	Guest room 36	300	9	2	0.5	150	35	306	0.4	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
37	Guest room 37	300	9	2	0.5	150	35	272	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
38	Guest room 38	300	9	2	0.5	150	35	305	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
39	Guest room 39	300	9	2	0.5	150	35	313	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
40	Guest room 40	300	9	2	0.5	150	35	313	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
41	Guest room 41	300	9	2	0.5	150	35	313	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
42	Guest room 42	300	9	2	0.5	150	35	310	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
	SUB TOTALAC	12600					1470	12362	21.7		42	63	25200	4.2	
	TFA FIRST FLOOR														
	Guest Corridor 1	1151					1151								Considering 1 cfm /sqft for corridor
	Guest Corridor 2	807					807								Considering 1 cfm /sqft for corridor
	Guest Corridor 3	1011					1011								Considering 1 cfm /sqft for corridor
	TFA Guest Room 1 - 37						1295								
	SUB TOTAL TFA II	1958					4264		21.32	11 TR 2200 CFM custom TFA	2	22	4400		
SECOND FLOOR															
1	Guest room 1	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
2	Guest room 2	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
3	Guest room 3	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
4	Guest room 4	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
5	Guest room 5	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
6	Guest room 6	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
7	Guest room 7	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
8	Guest room 8	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
9	Guest room 9	300	9	2	0.5	150	35	279	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
10	Guest room 10	300	9	2	0.5	150	35	310	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
11	Guest room 11	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
12	Guest room 12	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
13	Guest room 13	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
14	Guest room 14	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
15	Guest room 15	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
16	Guest room 16	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
17	Guest room 17	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
18	Guest room 18	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
19	Guest room 19	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
20	Guest room 20	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
21	Guest room 21	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
22	Guest room 22	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
23	Guest room 23	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
24	Guest room 24	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
25	Guest room 25	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	

S. No.	DESCRIPTION	AREA (SQFT)	HEIGHT (Feet)	OCCUPANCY (Nos)	LIGHTING LOAD (W/SQFT)	EQUIPMENT LOAD (WATTS)	FRESH AIR (CFM)	DEHUMIDIFIED (CFM)	COOLING LOAD (TR)	INDOOR UNIT SELECTION	QTY	INSTALLED TR	INSTALLED CFM	INDOOR ELEC KW	REMARKS
26	Guest room 26	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
27	Guest room 27	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
28	Guest room 28	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
29	Guest room 29	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
30	Guest room 30	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
31	Guest room 31	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
32	Guest room 32	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
33	Guest room 33	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
34	Guest room 34	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
35	Guest room 35	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
36	Guest room 36	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
37	Guest room 37	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
38	Guest room 38	300	9	2	0.5	150	35	283	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
39	Guest room 39	300	9	2	0.5	150	35	310	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
40	Guest room 40	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
41	Guest room 41	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
42	Guest room 42	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
43	Guest room 43	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
44	Guest room 44	300	9	2	0.5	150	35	305	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
45	Guest room 45	300	9	2	0.5	150	35	313	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
46	Guest room 46	300	9	2	0.5	150	35	313	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
47	Guest room 47	300	9	2	0.5	150	35	313	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
48	Guest room 48	300	9	2	0.5	150	35	290	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
	SUB TOTAL AC	14400					1680	13986	25.3		48	72	28800	4.8	
	TFA SECOND FLOOR														
	TFA Guest Corridor 1	1248					1248								Considering 1 cfm /sqft for corridor
	TFA Guest Corridor 2	1765					1765								Considering 1 cfm /sqft for corridor
	TFA Guest Room 1 - 43						1505								
	SUB TOTAL TFA III	3013					4518		22.59	12 TR 2300 CFM custom TFA	2	24	4600		
THIRD FLOOR															
1	Guest room 1	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
2	Guest room 2	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
3	Guest room 3	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
4	Guest room 4	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
5	Guest room 5	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
6	Guest room 6	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
7	Guest room 7	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
8	Guest room 8	300	9	2	0.5	150	35	274	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
9	Guest room 9	300	9	2	0.5	150	35	302	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
10	Guest room 10	300	9	2	0.5	150	35	310	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
11	Guest room 11	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
12	Guest room 12	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
13	Guest room 13	300	9	2	0.5	150	35	306	0.6	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	
14	Guest room 14	300	9	2	0.5	150	35	295	0.5	1.5 TR 600 CFM FCU Unit	1	1.5	600	0.1	

S. No.	DESCRIPTION	AREA (SQFT)	HEIGHT (Feet)	OCCUPANCY (Nos)	LIGHTING LOAD (W/SQFT)	EQUIPMENT LOAD (WATTS)	FRESH AIR (CFM)	DEHUMIDIFIED (CFM)	COOLING LOAD (TR)	INDOOR UNIT SELECTION	QTY	INSTALLED TR	INSTALLED CFM	INDOOR ELEC KW	REMARKS	
	GRAND TOTAL (AC+TFA)	110029					45022	111384	433			621	200600	55		
	Considering Diversity 65 % on total load								282			403				
	CHILLER SELECTED								250 TR X 2 Nos (1 working + 1 Standby)							