

Back of House Calculations

	500 RM sq/ft	300 RM sq/ft	m2
Lobby	4000	2400	
Flow Area	500	300	
Seating	800	480	
Retial	100	60	
Assistant Manager Support	50	30	
		3270	

Food/Beverage Outlet

Coffee Shop	3500	2100	
Restaurant	2800	1680	
Lobby Bar	2000	1200	
Night Club	5000	3000	
Bar Storage	100	60	
		8040	

Function Areas

Ballroom	8000	4800	445.9344
Banquet Room	2400	1440	133.7803
Meeting Rooms	2400	1440	133.7803
Function Storage	2500	1500	139.3545
		9180	852.8495

Administration

Front Desk	250	150	13.93545
Front Office Manager	120	72	6.689016
Assistant Manager	120	72	6.689016
Credit Manager	100	60	5.57418
Director of Rooms	150	90	8.36127
Reception/Secretary	100	60	5.57418
Reservations Area	200	120	11.14836
Reservations Manager	120	72	6.689016
Server Room	150	90	8.36127
Fire Control Room	120	72	6.689016
Bellman Storage	60	36	3.344508
Safe	120	72	6.689016
Count Room	150	90	8.36127
Reception Waiting	250	150	13.93545
General Manager	200	120	11.14836
Food/Beverage Manager	150	90	8.36127
Conference Room	200	120	11.14836
Records	100	60	5.57418
Catering Manager	150	90	8.36127
Convention Services	120	72	6.689016
Controller	150	90	8.36127
Assistant Controller	100	60	5.57418
Accounting Work Area	600	360	33.44508
Payroll Manager	120	72	6.689016
Dead Files	125	75	6.967725
		2415	224.3607

Food Preparation

Main Kitchen	9000	5400	501.6762
Banquet Pantry	1200	720	66.89016
Restaurant Pantry	1200	720	66.89016
Chef's Office	120	72	6.689016
Dry Foods Storage	1000	600	55.7418

Refrigerated Foods Storage	800	480	44.59344
Beverage Storage	500	300	27.8709
Refrigerated Beverage Storage	250	150	13.93545
China, Silver, Glass Storage	500	300	27.8709
		8742	812.158

Receiving/Storage

Loading Dock	400	240	22.29672
Receiving Area	500	300	27.8709
Receiving Office	150	90	8.36127
Purchasing Office	175	105	9.754815
Locked Storage	175	105	9.754815
Empty Bottle Storage	125	75	6.967725
Trash Holding Area	200	120	11.14836
Refrigerated Garbage	100	60	5.57418
Can Wash	120	72	6.689016
Compactor	200	120	11.14836
Grounds Equipment Storage	300	180	16.72254
General Storage	2000	1200	111.4836
		2667	247.7723

Employee Areas

Security	120	72	6.689016
Personnel Manager	140	84	7.803852
Interview Room	100	60	5.57418
Training Room	225	135	12.54191
First Aid	100	60	5.57418
Men's Locker	900	540	50.16762
Women's Locker	1200	720	66.89016
Cafeteria	1000	600	55.7418
		2271	210.9827

Laundry

Soiled Linen Room	150	90	8.36127
Laundry	2500	1500	139.3545
Laundry Manager	100	60	5.57418
Valet Laundry	150	90	8.36127
Supplies Storage	125	75	6.967725
House Keeping Manager	125	75	6.967725
Linen Storage	1500	900	83.6127
Uniform Storage	500	300	27.8709
Supplies Storage	100	60	5.57418
Lost and Found	150	90	8.36127
Sewing Room	100	60	5.57418
		3300	306.5799

Engineering

Engineer	125	75	6.967725
Carpentry Shop	200	120	11.14836
Plumbing Shop	200	120	11.14836
Electrical Shop	200	120	11.14836
Paint Shop	200	120	11.14836
Storeroom	800	480	44.59344
		1035	96.15461

Mechanical Areas

Plant	3000	1800	167.2254
Transformer Room	1000	600	55.7418
Emergency Generator	300	180	16.72254
Meter Room	100	60	5.57418

Fire Pumps	100	60	5.57418
Electrical Switchboard	750	450	41.80635
		3150	292.6445

Recreation

Swimming Pool	1200	720	
Exercise Room	500	300	

Total 44070

Total in Back Area 22860

Luxury Hotel
 14 lbs / room
 300 rooms
 occupancy factor over 60% = 1
 7 days / week
 49 hours / week
 normal soil = 1.5 loads / hour

Lbs / Room 14

Rooms 300

Occupancy Factor 1

Days Open / Week 7

Operating Hours / Week 49

Soil Load 1.5

Lbs / Cycle 400