

BASIS OF DESIGN

DEPT. CODE	Departments	DIMENSIONS IN METERS			AREA SQ.M.	VOLUME CU.M.	LIGHTING LOAD Watts	EQUIP. LOAD KW	OCCUPANCY No.	MIN ACPH No.	Tonnage TR	deh. Cfm cfm	MINIMUM SUPPLY AIR QTY. CFM				SA cfm	FACPH	FA cfm	FA sel	Sel. AHU Capacity cfm	RELATIVE HUMIDITY	TEMPRETURE	CLASS AT REST		
		L	x	W													x	H	cfm	#		cfm	cfm		%	°C
		x	x	x																						
AHU-1																										
P1.2	Granulation	4.50	x	4.75	x	3.00	21.38	64.13	301	6.00	2	45				400	8.3	2300	2	75		50±5	22±2	ISO-8		
P1.2.1	Personnel Air Lock	3.35	x	1.20	x	3.00	4.02	12.06	42	-	-	40				300	1.2	284	2	14						
																5.04	2384				2584				90	90
AHU-2																										
P1.4	Compression	3.05	x	3.05	x	3.00	9.30	27.91	131	3.30	2	45				400	3.6	919	2	33		40±5	22±2	ISO-8		
P1.4.	Personnel Air Lock	2.00	x	1.20	x	3.00	2.40	7.20	25	-	-	40				300	0.7	169	2	8						
																6.42	963				1088				41	300
AHU-3																										
P1.6	Autocoater	2.60	x	2.75	x	3.00	7.15	21.45	101	3.00	2	45				400	2.8	1100	2	25		50±5	22±2	ISO-8		
P1.6.	Personnel Air Lock	2.95	x	1.20	x	3.00	3.54	10.62	37	-	-	40				300	1.0	250	2	12						
P1.6.	Solution Preparation	2.60	x	1.75	x	3.00	4.55	13.65	48	0.74	1	45				300	1.3	361	2	16						
																3.84	1661				1711	54	100	2150		
AHU-4																										
P1.8	Inspection	3.15	x	3.05	x	3.00	9.61	28.82	135	0.36	3	45				400	3.8	763	2	34		40±5	22±2	ISO-8		
P1.8.	Personnel Air Lock	2.00	x	1.20	x	3.00	2.40	7.20	25	-	-	40				300	0.7	169	2	8						
																3.91	310				932				42	100
AHU-5																										
P2.2	Capsule Manufacturing	4.00	x	2.75	x	3.00	11.00	33.00	155	2.00	2	45				400	4.3	873	2	39		50±5	22±2	ISO-8		
P2.2.	Personnel Air Lock	2.25	x	1.20	x	3.00	2.70	8.10	28	-	-	40				300	0.8	191	2	10						
																2.7	690				1064				48	48
AHU-6																										
P2.3	Capsule Filling	3.30	x	6.10	x	3.00	20.13	60.39	283	11.84	2	45				400	7.9	3792	2	71		40±5	22±2	ISO-8		
P2.3.	Personnel Air Lock	2.00	x	1.20	x	3.00	2.40	7.20	25	-	-	40				300	0.7	169	2	8						
																10	3908				3961				80	80
AHU-7																										
P4.2	Dry Syrup Manufacturing	3.60	x	2.75	x	3.00	9.90	29.70	139	6.00	2	45				400	3.9	1962	2	35		40±5	22±2	ISO-8		
P4.2.	Personnel Air Lock	2.55	x	1.20	x	3.00	3.06	9.18	32	-	-	40				300	0.9	216	2	11						
																6.7					2178				46	100
AHU-8																										

1.1	Lobby	3.55 x 2.00 x 4.00	7.10	28.40				20			333.984
1.2	Passage	1.20 x 4.40 x 4.00	5.28	21.12				20			248.371
1.4	Linen	2.70 x 1.43 x 4.00	3.85	15.39				20			180.986
1.5	Change-I (G)	2.70 x 2.83 x 4.00	7.63	30.51				20			358.798
1.6	Change-II (G)	2.60 x 3.55 x 4.00	9.23	36.92				20			434.179
1.7	Air Lock	1.20 x 2.10 x 4.00	2.52	10.08				20			118.541
1.8	Passage	1.20 x 7.25 x 4.00	8.70	34.80				20			409.248
1.9	Air Lock	1.20 x 1.50 x 4.00	1.80	7.20				20			84.672
1.11	Linen	2.70 x 1.50 x 4.00	4.05	16.20				20			190.512
1.12	Change-I (L)	4.05 x 1.95 x 4.00	7.90	31.59				20			371.498
1.13	Change-II (L)	2.60 x 3.10 x 4.00	8.06	32.24				20			379.142
1.14	Air Lock	2.60 x 1.20 x 4.00	3.12	12.48				20			146.765
1.15.1	Air Lock	3.00 x 1.30 x 4.00	3.90	15.60				20			183.456

334											
248											
181											
359											
434											
119											
409									AMB	AMB	5 micron
85											
191											
371											
379											
147											
183											
3440											3500 / 3500 (EXU)