710 Wilshire Blvd. Alex Go	i i	4549 ES = ESE 7555		10/29/20
Item or System Tags	Indic	ate Air Systems Type (Ce 5th Floor New Bldg	6th Floor New Bldg	7th Floor [N]Bldg-Kitc
(i.e. AC-1, RTU-1, HP-1) Number of Systems		44	41	1
Number of Systems	Indicate Pag	e Reference on Plans or	100	annlicable exception
MANDATORY MEASURES	T-24 Sections	e neterence on r lans or c	Schedule and maleate the	аррисаріс ехсерної
Heating Equipment Efficiency	112(a)	% AFUE	% AFUE	% AFUE
Cooling Equipment Efficiency	112(a)	n/a	n/a	n/a
HVAC Heat Pump Thermostat	112(b), 112(c)	n/a	n/a	n/a
Furnace Controls/Thermostat	112(c), 115(a)	n/a	n/a	n/a
Natural Ventilation	121(b)	No	No	No
Mechanical Ventilation	121(b)	2,406 cfm	4,926 cfm	784 cfm
VAV Minimum Position Control	121(c)	No	No	No
Demand Control Ventilation	121(c)	No	No	No
Time Control	122(e)	Programmable Switch	Programmable Switch	Programmable Swit
Setback and Setup Control	122(e)	Setback Required	Setback Required	Setback Required
	- Constant House	Auto	Auto	Auto
Outdoor Damper Control	122(f)	Auto	38333333	
Outdoor Damper Control Isolation Zones	122(f) 122(g)	n/a	n/a	n/a
N NOW SEE AND THE RESERVE OF THE RES	ASSESSED TO	Discourse	National Control	5,0000
Isolation Zones Pipe Insulation	122(g) 123 124	n/a	National Control	
Isolation Zones Pipe Insulation Duct Location/ R-value	122(g) 123 124	n/a	National Control	Attic, Ceiling Ins, vented
Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES	122(g) 123 124	n/a Attic, Ceiling Ins. vented / 8.0	Attic, Ceiling Ins, vented / 8.0	Attic, Ceiling Ins, vented
Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load	122(g) 123 124	n/a Attic, Ceiling Ins. vented / 8.0 n/a	Attic, Ceiling Ins, vented / 8.0	Attic, Ceiling Ins, vented
Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity	122(g) 123 124 144(a & b) 144(a & b)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr	Attic, Ceiling Ins, vented / 8.0 n/a 683,470 Btu/hr	Attic, Ceiling Ins, vented n/a 38,400 Btu/hr
Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load	122(g) 123 124 144(a & b) 144(a & b) 144(a & b)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr n/a	Attic, Ceiling Ins, vented / 8.0 n/a 683,470 Btu/hr n/a	n/a 38,400 Btu/hr n/a 28,770 Btu/hr
Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b)	n/a Attic, Ceiling Ins. vented / 8.0 n/a 733,480 Btu/hr n/a 329,472 Btu/hr	n/a 683,470 Btu/hr n/a 307,008 Btu/hr	n/a 38,400 Btu/hr n/a 28,770 Btu/hr
Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control	122(g) 123 124 144(a & b)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr n/a 329,472 Btu/hr Constant Volume Yes	n/a 683,470 Btu/hr n/a 307,008 Btu/hr	n/a 38,400 Btu/hr
Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control DP Sensor Location	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr n/a 329,472 Btu/hr Constant Volume	n/a n/a 683,470 Btu/hr n/a 307,008 Btu/hr Constant Volume	n/a 38,400 Btu/hr n/a 28,770 Btu/hr Constant Volume
Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control DP Sensor Location Supply Pressure Reset (DDC only)	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(c)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr n/a 329,472 Btu/hr Constant Volume Yes	n/a n/a 683,470 Btu/hr n/a 307,008 Btu/hr Constant Volume Yes No No Economizer	n/a 38,400 Btu/hr n/a 28,770 Btu/hr Constant Volume
Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(d)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr n/a 329,472 Btu/hr Constant Volume Yes No	n/a n/a 683,470 Btw/hr n/a 307,008 Btw/hr Constant Volume Yes No	n/a n/a 38,400 Btu/hr n/a 28,770 Btu/hr Constant Volume Yes No
Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Economizer	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(d) 144(e)	n/a Attic, Ceiling Ins. vented / 8.0 n/a 733,480 Btu/hr n/a 329,472 Btu/hr Constant Volume Yes No No Economizer	n/a n/a 683,470 Btu/hr n/a 307,008 Btu/hr Constant Volume Yes No No Economizer	n/a 38,400 Btu/hr n/a 28,770 Btu/hr Constant Volume Yes No
Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Economizer Heat Air Supply Reset	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(c) 144(d) 144(e) 144(f)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr n/a 329,472 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a n/a 683,470 Btu/hr n/a 307,008 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a n/a 38,400 Btu/hr n/a 28,770 Btu/hr Constant Volume Yes No No Economizer Constant Temp
Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Economizer Heat Air Supply Reset Cool Air Supply Reset	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(c) 144(d) 144(f) 144(f)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr n/a 329,472 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a n/a 683,470 Btu/hr n/a 307,008 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a n/a 38,400 Btu/hr n/a 28,770 Btu/hr Constant Volume Yes No No Economizer Constant Temp

AIT OTOTEM HEAD!	REMENTS	5	(Part 1 of 2)	MECH-2
Project Name 710 Wilshire Blvd. Alex Gor	hy Hotal Proje	of.		Date 10/29/2015
TO WISTINE DIVU. Alex Gor	i i	700 AL - 5-5 NAC	ntral, Single Zone, Package, V	
tem or System Tags	indic	7th Floor [N]Bldg-Admin-Locker	W S	Av, or etc)
i.e. AC-1, ŘTU-1, HP-1)		1	1	
Number of Systems	Indicate De		Schedule and indicate the app	licable evention(s)
MANDATORY MEASURES	T-24 Sections	ge neierence on Flans or s	chedule and indicate the app	iicabie exception(s)
leating Equipment Efficiency	112(a)	% AFUE	% AFUE	
Cooling Equipment Efficiency	112(a)	n/a	n/a	
IVAC Heat Pump Thermostat	112(b), 112(c)	n/a	n/a	
urnace Controls/Thermostat	112(c), 115(a)	n/a	n/a	
latural Ventilation	121(b)	No	No	
Mechanical Ventilation	121(b)	143 cfm	32 cfm	
AV Minimum Position Control	Date David	No	No	
Demand Control Ventilation	121(c)	No	No	
ime Control	ESPERIOLA	Programmable Switch	Programmable Switch	
	122(e)	Setback Required	Setback Required	
Setback and Setup Control	122(e)	Auto	Auto	
Sententiano d'Albreco Arenta composer carre	100/0			
Outdoor Damper Control	122(f)	1622203	n/a	
Outdoor Damper Control solation Zones	122(g)	n/a	n/a	
Outdoor Damper Control solation Zones Pipe Insulation Ouct Location/ R-value	122(g) 123 124	1622203	7.917.9415	
Outdoor Damper Control solation Zones Pipe Insulation Ouct Location/ R-value PRESCRIPTIVE MEASURES	122(g) 123 124	n/a Attic, Ceiling Ins, vented / 8.0	Attic, Ceiling Ins, vented / 8.0	
Outdoor Damper Control solation Zones Pipe Insulation Ouct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load	122(g) 123 124	n/a Attic, Ceiling Ins, vented / 8.0	Attic, Ceiling Ins, vented / 8.0	
Outdoor Damper Control solation Zones Pipe Insulation Ouct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity	122(g) 123 124 144(a & b) 144(a & b)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr	
Outdoor Damper Control solation Zones Pipe Insulation Ouct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load	122(g) 123 124 144(a & b) 144(a & b) 144(a & b)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr n/a	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr n/a	
Outdoor Damper Control solation Zones Pipe Insulation Ouct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity	122(g) 123 124 144(a & b) 144(a & b) 144(a & b)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr n/a 21,520 Btu/hr	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr n/a 16,900 Btu/hr	
Outdoor Damper Control solation Zones Pipe Insulation Outt Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr n/a	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr n/a	
Outdoor Damper Control Solation Zones Pipe Insulation Ouct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control OP Sensor Location	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr n/a 21,520 Btu/hr Constant Volume	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr n/a 16,900 Btu/hr Constant Volume	
Outdoor Damper Control Solation Zones Pipe Insulation Ouct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control OP Sensor Location Supply Pressure Reset (DDC only)	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr n/a 21,520 Btu/hr Constant Volume Yes	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr n/a 16,900 Btu/hr Constant Volume Yes	
Outdoor Damper Control Solation Zones Pipe Insulation Ouct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control OP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(d)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr n/a 21,520 Btu/hr Constant Volume Yes No	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr n/a 16,900 Btu/hr Constant Volume Yes No	
Outdoor Damper Control Solation Zones Pipe Insulation Ouct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control OP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(d) 144(e)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr n/a 21,520 Btu/hr Constant Volume Yes No No Economizer	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr n/a 16,900 Btu/hr Constant Volume Yes No No Economizer	
Outdoor Damper Control Solation Zones Pipe Insulation Ouct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity San Control OP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Conomizer Heat Air Supply Reset	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(c) 144(d) 144(e) 144(f)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr n/a 21,520 Btu/hr Constant Volume Yes No No Economizer Constant Temp	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr n/a 16,900 Btu/hr Constant Volume Yes No No Economizer Constant Temp	
Outdoor Damper Control Solation Zones Pipe Insulation Outd Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control OP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Conomizer Heat Air Supply Reset Cool Air Supply Reset	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(c) 144(d) 144(f) 144(f)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr n/a 21,520 Btu/hr Constant Volume Yes No No Economizer	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr n/a 16,900 Btu/hr Constant Volume Yes No No Economizer	
Outdoor Damper Control solation Zones Pipe Insulation Ouct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control OP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Conomizer Heat Air Supply Reset Cool Air Supply Reset Electric Resistance Heating ¹	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(c) 144(d) 144(e) 144(f) 144(f) 144(g)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr n/a 21,520 Btu/hr Constant Volume Yes No No Economizer Constant Temp	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr n/a 16,900 Btu/hr Constant Volume Yes No No Economizer Constant Temp	
Outdoor Damper Control Solation Zones Pipe Insulation Outd Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control OP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Conomizer Heat Air Supply Reset Cool Air Supply Reset	122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(c) 144(d) 144(f) 144(f)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 33,900 Btu/hr n/a 21,520 Btu/hr Constant Volume Yes No No Economizer Constant Temp	Attic, Ceiling Ins, vented / 8.0 n/a 25,800 Btu/hr n/a 16,900 Btu/hr Constant Volume Yes No No Economizer Constant Temp	

MECHANICAL VENTILATION AND REHEAT

C Minimum ventilation rate per Section §121, Table 121-A.

EnergyPro 5.1 by EnergySoft User Number: 5251

Must be greater than or equal to H, or use Transfer Air (column N) to make up the difference.

J Design fan supply CFM (Fan CFM) x 50%; or the design zone outdoor airflow rate per §121.

K Condition area (ft²) x 0.4 CFM / ft²; or

MECHANICAL VENTILATION (§121(b)2)

710 Wilshire Blvd. Alex Gorby Hotel Project

iest Suite (11)

iest Suite (1) est Suite (2)

uest Suite (3)

est Suite (4) iest Suite (5)

est Suite (6) est Suite (7)

est Suite (8)

uest Suite (9)

est Suite (10)

est Suite (11)

5th Floor Historic Bldg

WATER SIDE SYSTEM	REQUIRE	MENTS	(Part 2 of 2)	MECH-20
Project Name 710 Wilshire Blvd. Alex Gorby I	Hotel Project			Date 10/29/2015
	WAT	ER ² SIDE SYSTEMS: CI	nillers, Towers, Boilers, Hyd	ronic Loops
Item or System Tags (i.e. AC-1, RTU-1, HP-1) ¹		McQuay WMC200	BAC 15176	Raypak MVB-2003
Number of Systems	ë i	2	2	2
	M.	Indicate Page Refer	ence on Plans or Specificat	ion ²
MANDATORY MEASURES	T-24 Sections			·
Equipment Efficiency	112(a)	0.530 kW/ton	10 °F Approach	87 %
Pipe Insulation	123	CHW Piping	n/a	HW Piping
	\$7			
PRESCRIPTIVE MEASURES	W		÷	
Cooling Tower Fan Controls	144(a & b)	n/a	Variable-Speed-Fan	n/a
Cooling Tower Flow Controls	144(h)	n/a	CW Reset	n/a
Variable Flow System Design	144(h)	Required	n/a	Required
Chiller and Boiler Isolation	144(j)	Required	n/a	Required
CHW and HHW Reset Controls	144(j)	Required	n/a	n/a
WLHP Isolation Valves	144(j)	n/a	n/a	n/a
VSD on CHW, CW & WLHP Pumps>5HP	144(j)	Required	n/a	Required
The proposed equipment need to ma next to applicable section. For each chiller, cooling tower, boiler.	144(j) tch the building plan	s schedule or specifications	n/a If a requirement is not applicable ent) fill in the reference to sheet n	e, put "N/A" in the columnumber and/or specification
DP Sensor Location The proposed equipment need to manext to applicable section.	144(j) tch the building plan	s schedule or specifications or groups of similar equipmes are documented. If a requ	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/	e, put "N/A" in the columnumber and/or specification
The proposed equipment need to manext to applicable section. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags	144(j) tch the building plan	s schedule or specifications for groups of similar equipmes are documented. If a requ Service Ho	n/a If a requirement is not applicable ent) fill in the reference to sheet n	e, put "N/A" in the columnumber and/or specification
1. The proposed equipment need to ma next to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc)	144(j) tch the building plan	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the service How the ster of the service of th	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/	e, put "N/A" in the columnumber and/or specification
1. The proposed equipment need to ma next to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc)	144(j) tch the building plan	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the service How the service of	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/ot Water, Pool Heating	e, put "N/A" in the column umber and/or specification A" in the column next to
1. The proposed equipment need to ma next to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc) Number of Systems	tch the building plan and hydronic loop the required feature	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the service How the service of	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/	e, put "N/A" in the column umber and/or specification A" in the column next to
1. The proposed equipment need to ma next to applicable section. 2. For each chiller, cooling tower, boiler section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc) Number of Systems MANDATORY MEASURES	144(j) tch the building plan	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the service How the service of	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/ot Water, Pool Heating	e, put "N/A" in the column umber and/or specification A" in the column next to
1. The proposed equipment need to ma next to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc) Number of Systems MANDATORY MEASURES SERVICE HOT WATER	tch the building plan and hydronic loop the required feature T-24 Sections	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the service How the service of	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/ot Water, Pool Heating	e, put "N/A" in the column umber and/or specification A" in the column next to
1. The proposed equipment need to manext to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc) Number of Systems MANDATORY MEASURES SERVICE HOT WATER Certified Water Heater	144(j) tch the building plan and hydronic loop the required feature T-24 Sections	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the service How the service Ho	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/ot Water, Pool Heating	e, put "N/A" in the columnumber and/or specification. A" in the column next to
1. The proposed equipment need to ma next to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc) Number of Systems MANDATORY MEASURES SERVICE HOT WATER Certified Water Heater Water Heater Efficiency	tch the building plan and hydronic loop the required feature T-24 Sections 111, 113(a) 113(b)	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the second of the	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/ot Water, Pool Heating	e, put "N/A" in the columnumber and/or specification. A" in the column next to
1. The proposed equipment need to ma next to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc) Number of Systems MANDATORY MEASURES SERVICE HOT WATER Certified Water Heater Water Heater Efficiency Service Water Heating Installation	T-24 Sections 111, 113(a) 113(b) 113(c)	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the second of the	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/ot Water, Pool Heating	e, put "N/A" in the columnumber and/or specification. A" in the column next to
1. The proposed equipment need to ma next to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc) Number of Systems MANDATORY MEASURES SERVICE HOT WATER Certified Water Heater Water Heater Efficiency Service Water Heating Installation Pipe Insulation	tch the building plan and hydronic loop the required feature T-24 Sections 111, 113(a) 113(b)	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the second of the	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/ot Water, Pool Heating	e, put "N/A" in the columnumber and/or specification. A" in the column next to
1. The proposed equipment need to manext to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc) Number of Systems MANDATORY MEASURES SERVICE HOT WATER Certified Water Heater Water Heater Efficiency Service Water Heating Installation Pipe Insulation POOL AND SPA	T-24 Sections 111, 113(a) 113(b) 113(c) 123	Service Ho DHW Heater Indicate Page Ref Raypak MVB-2003 87 % Controls Req. Required	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/ot Water, Pool Heating	e, put "N/A" in the columnumber and/or specification. A" in the column next to
1. The proposed equipment need to ma next to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc) Number of Systems MANDATORY MEASURES SERVICE HOT WATER Certified Water Heater Water Heater Efficiency Service Water Heating Installation Pipe Insulation POOL AND SPA Pool and Spa Efficiency and Control	T-24 Sections 111, 113(a) 113(b) 114(a)	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the second of the	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/ot Water, Pool Heating	e, put "N/A" in the columnumber and/or specificati A" in the column next to
1. The proposed equipment need to manext to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc) Number of Systems MANDATORY MEASURES SERVICE HOT WATER Certified Water Heater Water Heater Efficiency Service Water Heating Installation Pipe Insulation POOL AND SPA Pool and Spa Efficiency and Control Pool and Spa Installation	T-24 Sections 111, 113(a) 113(b) 113(c) 123	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the second of the	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/ot Water, Pool Heating	e, put "N/A" in the columnumber and/or specification. A" in the column next to
1. The proposed equipment need to ma next to applicable section. 2. For each chiller, cooling tower, boiler, section and paragraph number where applicable section. Item or System Tags (i.e. WH-1, WHP, DHW, etc) Number of Systems MANDATORY MEASURES SERVICE HOT WATER Certified Water Heater Water Heater Efficiency Service Water Heating Installation Pipe Insulation POOL AND SPA Pool and Spa Efficiency and Control	T-24 Sections 111, 113(a) 113(b) 114(a)	s schedule or specifications for groups of similar equipmes are documented. If a requirement of the second of the	n/a If a requirement is not applicable ent) fill in the reference to sheet nuirement is not applicable, put "N/ot Water, Pool Heating	e, put "N/A" in the columnumber and/or specification. A" in the column next to

specification section and paragraph number where the required features are documented. If a requirement is not applicable, put "N/A" in the

MECH-3C

10/29/2015

REHEAT LIMITATION (§144(d))

Column I Total Design Ventilation Air

MECHANICAL VENTILATION AND REHEAT

C Minimum ventilation rate per Section §121, Table 121-A.

L Maximum of Columns H, J, K, or 300 CFM

EnergyPro 5.1 by EnergySoft User Number: 5251

MECHANICAL VENTILATION (§121(b)2)

710 Wilshire Blvd. Alex Gorby Hotel Project

6th Floor Historic Bldg

Rental Administration P5 Level New Bldg Elev/ElecLobby

lev Equip Rm

P4 Level New Bldg

P3 Level New Bldg

2 Level New Bldg

Meeting Room

Utility Rooms

MECHA	NICAL VE	NTILATIO	N AND	REHE	AT								MEC	CH-3C
Project Name 710 Wilshi	re Blvd. Alex (Gorby Hotel P	roject										Date 10/29	/2015
		MECH	IANICAL	VENTILATIO	ON (§121((b)2)				REHE	AT LIMITA	TION (§144	(d))	
		7	EA BASIS		1000	CUPANCY	BASIS				VAV MIN	carrier and the		8
	A	В	С	D	Е	F	G	н	Ĩ	J	К	L	М	N
Zone	e/System	Condition Area (ft²)	CFM per ft ²	Min CFM By Area B X C	Number Of People	CFM per Person	Min CFM by Occupant E X F	REQ'D V.A. Max of D or G	Design Ventilation Air CFM	50% of Design Zone Supply CFM	B X 0.4 CFM / ft ²	Max. of Columns H, J, K, 300 CFM	Design Minimum Air Setpoint	Transfer Air
P1 Level Office	s	10,320	0.25	2,580				2,580	597				- 20	1,98
P1 Level Histo	oric Bldg			Î			Total	2,580	597					
Future TI Retai	I B	2,357	0.25	589				589	1,416					
Future Restaur	ant TI-029	4,221	0.50	2,111				2,111	5,628					
West Lobby		645	0.15	97				97	387					
Ground Floor	Historic Bldg						Total	2,797	7,431					S.
Corridor		720	0.15	108				108	32					70
Housekeeping		50	0.15	8				8	5			Ĭ		
Guest Suite (1)		410	0.15	62				62	18					4.
Guest Suite (2)		320	0.15	48				48	15					3.
Guest Suite (3)		360	0.15	54				54	16					3
Guest Suite (4)		360	0.15	54				54	16					3
Guest Suite (5)		440	0.15	66				66	20					41
Guest Suite (6)		380	0.15	57				57	17					40
Guest Suite (7)		365	0.15	55				55	16					38
				Totals			,			Column I Total	Design Vent	ilation Air		
С	Minimum ventila	ation rate per Section	on §121, Ta	able 121-A.										
E	Based on fixed s	seat or the greater	of the expe	cted number of	of occupant	ts and 50%	of the CBC occ	cupant load	for egress pu	rposes for space	s without fixe	ed seating.		
н	Required Ventila	ation Air (REQ'D V.	A.) is the la	rger of the ve	ntilation rat	es calculate	ed on an AREA	BASIS or	OCCUPANCY	BASIS (Column	D or G).			
Ţ	Must be greater	than or equal to H.	or use Tra	nsfer Air (colu	ımn N) to m	ake up the	difference.							
J	Design fan supp	oly CFM (Fan CFM)	x 50%; or	the design zo	ne outdoor	airflow rate	per §121.							
K	Condition area (ft2) x 0.4 CFM / ft2;	or											
L	Maximum of Col	lumns H, J, K, or 30	00 CFM											
М	This must be les	s than or equal to	Column L a	nd greater tha	an or equal	to the sum	of Columns H	plus N.	1000000	2000 4000	1400 1901	60 W		
N	Transfer Air mus equal to the diffe	st be provided whe									equired, tran	sfer air must	be greater th	nan or

MECH-3C

10/29/2015

REHEAT LIMITATION (§144(d))

85 85 Column I Total Design Ventilation Air

Project Name	ire Blvd. Alex 0			, I(LIIL	<u> </u>								Date 10/29	
TTO TTHOIR	TO DIVE. THOX			VENTILATION	ON (\$121)	(b)2)			×	DEUE	AT LIMITA	TION (§144		Ť
		Y sometic	EA BASIS	VENTILATI	49000	CUPANCY	RASIS	1)	:0	nene	VAV MIN	Section of the Control of the Contro	(4))	t
	A	В	C	D	E	F	G	н	¥	J	К	L	м	t
Zon	e/System	Condition Area (ft²)	CFM per ft ²	Min CFM By Area B X C	Number Of People	CFM per Person	Min CFM by Occupant E X F	REQ'D V.A. Max of D or G	Design Ventilation Air CFM	50% of Design Zone Supply CFM	B X 0.4 CFM / ft ²	Max. of Columns H, J, K, 300 CFM	Design Minimum Air Setpoint	
Guest Suite (8)	370	0.15	56				56	17					
Guest Suite (9)	325	0.15	49				49	16					
Guest Suite (1	0)	320	0.15	48				48	15					
Guest Suite (1	1)	345	0.15	52				52	16					
2nd Floor His	storic Bldg						Total	715	220					
Corridor		1,100	0.15	165				165	50					
House Keepin	g	80	0.15	12				12	5					I
Guest Suite (1)	360	0.15	54				54	16					
Guest Suite (2)	305	0.15	46		2		46	14					
Guest Suite (3)	295	0.15	44				44	13					
Guest Suite (4)	395	0.15	59				59	18					
Guest Suite (5)	500	0.15	75				75	23					
Guest Suite (6)	500	0.15	75				75	23					
Guest Suite (7)	440	0.15	66				66	20					
Guest Suite (8)	425	0.15	64		Ġ.		64	19					L
	47			Totals			3			Column I Total	Design Vent	tilation Air		L
С	Minimum ventila	tion rate per Section	on §121, T	able 121-A.										
E	Based on fixed s	eat or the greater	of the expe	cted number	of occupant	ts and 50%	of the CBC oc	cupant load	for egress pu	rposes for space	es without fixe	ed seating.		
н	Required Ventila	tion Air (REQ'D V	A.) is the la	arger of the ve	ntilation rat	es calculate	ed on an AREA	BASIS or 0	OCCUPANCY	BASIS (Column	D or G).			
J	Must be greater	than or equal to H	, or use Tra	nsfer Air (colu	ımn N) to n	nake up the	difference.							
J	Design fan supp	y CFM (Fan CFM	x 50%; or	the design zo	ne outdoor	airflow rate	per §121.							
K	Condition area (f	t ²) x 0.4 CFM / ft ² ;	or											
L	Maximum of Col	umns H, J, K, or 3	00 CFM											
М		s than or equal to							10000000	- 2000-2000	V- 500	20 20		
N	Transfer Air mus equal to the diffe	t be provided whe	re the Required	ired Ventilation A	on Air (Column	mn H) is gr	eater than the	Design Mini	mum Air (Column	umn M). Where	required, trar	sfer air must	be greater t	ha

710 Wilshi	re Blvd. Alex C	Gorby Hotel P	roject									10	10/29	/2015
		MECH	IANICAL	VENTILATION	ON (§121(b)2)) J	REHE	AT LIMITA	TION (§144	(d))	
		AR	EA BASIS		oce	CUPANCY	BASIS				VAV MIN	ІМИМ		
	A	В	С	D	E	F	G	н	Ī	J	к	L	М	N
Zone	e/System	Condition Area (ft²)	CFM per ft ²	Min CFM By Area B X C	Number Of People	CFM per Person	Min CFM by Occupant E X F	REQ'D V.A. Max of D or G	Design Ventilation Air CFM	50% of Design Zone Supply CFM	B X 0.4 CFM / ft ²	Max. of Columns H, J, K, 300 CFM	Design Minimum Air Setpoint	Transfe Air
Guest Suite (9)		285	0.15	43				43	13					3
Guest Suite (1	0)	275	0.15	41				41	12					- 2
Guest Suite (1	1)	275	0.15	41				41	12					
3rd Floor Hist	oric Bldg						Total	785	237					
Corridor		1,100	0.15	165		D's		165	50					11
Housekeeping		80	0.15	12				12	5					
Guest Suite (1)		0	0.15	0				0	0					
Guest Suite (2)		665	0.15	100				100	30					. 7
Guest Suite (3)		295	0.15	44				44	13					1
Guest Suite (4)		395	0.15	59				59	18					4
Guest Suite (5)		500	0.15	75				75	23					
Guest Suite (6)		500	0.15	75				75	23					
Guest Suite (7)		440	0.15	66				66	20					4
Guest Suite (8)	1	425	0.15	64				64	19					4
Guest Suite (9))	285	0.15	43				43	13			i.		3
				Totals			- 1 - 1			Column I Total	Design Vent	tilation Air		
С	Minimum ventilat	ion rate per Section	on §121, Ta	able 121-A.										
E	Based on fixed s	eat or the greater	of the expe	cted number	of occupant	s and 50%	of the CBC occ	cupant load	for egress pu	rposes for space	es without fixe	ed seating.		
н	Required Ventila	tion Air (REQ'D V.	A.) is the la	rger of the ve	ntilation rat	es calculate	ed on an AREA	BASIS or	OCCUPANCY	BASIS (Column	D or G).			
1	Must be greater	han or equal to H	or use Tra	nsfer Air (colu	ımn N) to m	ake up the	difference.							
J	Design fan suppl	y CFM (Fan CFM)	x 50%; or	the design zo	ne outdoor	airflow rate	per §121.							
K	Condition area (f	t ²) x 0.4 CFM / ft ² ;	or											
L	Maximum of Cole	umns H, J, K, or 3	00 CFM											
М	This must be less	s than or equal to	Column L a	nd greater tha	an or equal	to the sum	of Columns H	plus N.	2 2000000	- 200 - 200	- W-	22 30		
N	Transfer Air mus equal to the diffe	t be provided whe	re the Requ	ired Ventilation	on Air (Colu	mn H) is gr	eater than the	Design Min	imum Air (Col	umn M). Where	required, tran	sfer air must	be greater th	nan or

Project Name	NICAL VE			, ILLIIL	~ !								Date	CH-3 1/2015
				VENTILATI	ON (8121)	b)2)				REHE	AT LIMITA	TION (§144		
		1,545	EA BASIS		7 - 1970 Notes N	CUPANCY	BASIS				VAV MIN		\- <i>I</i>	1
	A	В	С	D	E	F	G	н	Î	J	к	L	M	N
Zon	ne/System	Condition Area (ft²)	CFM per ft ²	Min CFM By Area B X C	Number Of People	CFM per Person	Min CFM by Occupant E X F	REQ'D V.A. Max of D or G	Design Ventilation Air CFM	50% of Design Zone Supply CFM	B X 0.4 CFM / ft ²	Max. of Columns H, J, K, 300 CFM	Design Minimum Air Setpoint	Transi Air
Guest Suite (1	(0)	275	0.15	41				41	12					
Guest Suite (1	1)	275	0.15	41				41	12					
4th Floor His	toric Bldg						Total	785	237					
Corridor		1,100	0.15	165		14		165	50					1
Housekeeping	r.	80	0.15	12				12	5			3		
Guest Suite (1)	360	0.15	54				54	16			e e		
Guest Suite (2	2)	305	0.15	46				46	14					
Guest Suite (3	3)	295	0.15	44				44	13					
Guest Suite (4	9	395	0.15	59				59	18					
Guest Suite (5	5)	500	0.15	75				75	23					
Guest Suite (6	5)	500	0.15	75				75	23					
Guest Suite (7	"	440	0.15	66				66	20					
Guest Suite (8	9)	425	0.15	64				64	19					
Guest Suite (9))	285	0.15	43		,		43	13			ā		
Guest Suite (1	(0)	275	0.15	41				41	12			Į.		
				Totals						Column I Tota	l Design Ven	tilation Air		
С	Minimum ventilat	tion rate per Section	on §121, T	able 121-A.										
E	Based on fixed s	eat or the greater	of the expe	cted number	of occupant	s and 50%	of the CBC oc	cupant load	for egress pu	rposes for space	es without fix	ed seating.		
Н	Required Ventila	tion Air (REQ'D V	A.) is the la	arger of the ve	ntilation rat	es calculate	ed on an AREA	A BASIS or	OCCUPANCY	BASIS (Column	D or G).			
Ĭ.	Must be greater	than or equal to H	, or use Tra	nsfer Air (colu	umn N) to m	ake up the	difference.							
J	Design fan suppl	y CFM (Fan CFM)	x 50%; or	the design zo	ne outdoor	airflow rate	per §121.							
K	Condition area (f	t ²) x 0.4 CFM / ft ² ;	or											
L	Maximum of Colu	umns H, J, K, or 3	00 CFM											
М	This must be less	s than or equal to	Column L a	and greater th	an or equal	to the sum	of Columns H	plus N.	<i>y</i>	1 600000000	w v			
N		t be provided whe rence between th									required, trai	nsfer air must	l be greater t	han or
EnergyPro 5	1 by EnergySoft	User Numl					le: 2015-10-29		100	ID: 201225			Pa	ge 76

MECHANICAL V	ENTILATIO	N AND	REHE	AT								MEC	CH-3C
Project Name 710 Wilshire Blvd. Ale.												Date	/2015
	MECH	ANICAL	VENTILATION	ON (§121(b)2)				REHE	AT LIMITA	TION (§144	(d))	
	ARI	EA BASIS		oc	CUPANCY	BASIS				VAV MIN	ІМИМ	0.000	
A	В	С	D	E	F	G	н	Ī	J	к	L	М	N
Zone/System	Condition Area (ft²)	CFM per ft ²	Min CFM By Area B X C	Number Of People	CFM per Person	Min CFM by Occupant E X F	REQ'D V.A. Max of D or G	Design Ventilation Air CFM	50% of Design Zone Supply CFM	B X 0.4 CFM / ft ²	Max. of Columns H, J, K, 300 CFM	Design Minimum Air Setpoint	Transfer Air
Restroom	657	0.15	99				99	30					69
Kitchen	760	0.15	114	1			114	1,520					
Future TI Retail A1	1,358	0.25	340				340	816					
Future TI Retail B1	917	0.25	229				229	551					
Future TI Retail C1	766	0.25	192				192	460					
Future TI Retail D	428	0.25	107	1			107	257					
Lobby	4,560	0.15	684				684	2,739					
P1 Main Kitchen	2,013	0.15	302				302	4,026					
P-1 Level Restrooms	54	0.15	8				8	0					8
P-1 Level Locker Room	800	0.15	120				120	0					120
P-1 Level Lobby	897	0.15	135				135	40					94
P-1 Level Corridor	1,551	0.15	233				233	70					163
P-1 Level Lounge	220	0.50	110				110	110					
P-1 Level Office	3,185	0.15	478				478	143					334
P-1 Level Conference	350	0.50	175				175	175					

201	ie/System	(11)	at:	DAU	reopie	reison	EVL	DOIG	CFIVI	CFIVI	CFW/ I	300 CFIVI	Setboint	Air
Restroom		657	0.15	99	- N			99	30					69
Kitchen		760	0.15	114				114	1,520					
Future TI Reta	ail A1	1,358	0.25	340				340	816					
Future TI Reta	ail B1	917	0.25	229				229	551					
Future TI Reta	ail C1	766	0.25	192				192	460					
Future TI Reta	ail D	428	0.25	107		a a		107	257					
Lobby		4,560	0.15	684				684	2,739					
P1 Main Kitch	en	2,013	0.15	302				302	4,026					
P-1 Level Res	trooms	54	0.15	8				8	0					8
P-1 Level Loc	ker Room	800	0.15	120				120	0					120
P-1 Level Lob	by	897	0.15	135				135	40					94
P-1 Level Con	ridor	1,551	0.15	233				233	70					163
P-1 Level Lou	nge	220	0.50	110				110	110					
P-1 Level Offic	ce	3,185	0.15	478				478	143					334
P-1 Level Con	ference	350	0.50	175		g .		175	175		3			
				Totals		l				Column I Tota	al Design Ven	tilation Air		
С	Minimum ventilati	ion rate per Section	n §121, Ta	able 121-A.										
E		eat or the greater			of occupan	ts and 50%	of the CBC or	ccupant load	for egress pu	rposes for spac	es without fixe	ed seating.		
Н		ion Air (REQ'D V.												
l l	Must be greater to	han or equal to H,	or use Tra	nsfer Air (colu	umn N) to n	nake up the	difference.							
J	Design fan supply	y CFM (Fan CFM)	x 50%; or	the design zo	ne outdoor	airflow rate	per §121.							
K	Condition area (ft	2) x 0.4 CFM / ft2;	or											
L	Maximum of Colu	ımns H, J, K, or 30	00 CFM											
М	This must be less	than or equal to	Column L a	nd greater th	an or equal	to the sum	of Columns H	l plus N.		1 -010000000				
Ν	Transfer Air must	be provided where	e the Requ	ired Ventilation	on Air (Colu	ımn H) is gr	eater than the	Design Minir	mum Air (Colum	umn M), Where n H minus M.	required, trar	nsfer air must	be greater th	an or
			er: 5251		- Mariana and a second	RunCod				ID: 201225				e 79 of 87

Project Name 710 Wilsh	ire Blvd. Alex Go	orby Hotel P	roject									V	Date 10/29	/2015
		MECH	IANICAL	VENTILATIO	ON (§121(b)2)			*	REHE	AT LIMITA	ΓΙΟΝ (§144	(d))	
		contra	EA BASIS		11000	CUPANCY	BASIS				VAV MIN	accountage of the contract of		
	Α	В	С	D	E	F	G	н	I	J	к	L	М	N
Zor	ne/System	Condition Area (ft²)	CFM per ft ²	Min CFM By Area B X C	Number Of People	CFM per Person	Min CFM by Occupant E X F	REQ'D V.A. Max of D or G	Design Ventilation Air CFM	50% of Design Zone Supply CFM	B X 0.4 CFM / ft ²	Max. of Columns H, J, K, 300 CFM	Design Minimum Air Setpoint	Transfe Air
Prefunction		1,162	0.50	581				581	581					
Bars		1,312	0.50	656				656	566					9
Grab-N-Go	Ĵ	355	0.25	89				89	213					
P-1 Level/Gr	ound Floor New Bldg						Total	7,585	18,791					
P-1 Level Lau	ndry	2,386	0.15	358		2.		358	99			, J		25
P-1 Level La	undry New Bldg	32					Total	358	99					
House Keepin	g	470	1.50	705				705	4,500					
Restroom		300	0.15	45				45	14			× ×		3
Guest Suite (1	1)	660	0.15	99				99	30					6
Guest Room-l	V	435	0.15	65				65	30					3
Guest Room-l	V.E.	6,120	0.15	918				918	275					64
Guest Room-l	V.W.	2,720	0.15	408				408	122					28
Guest Room-S	S.E.	3,400	0.15	510				510	153					35
Guest Room-S	S.W.	1,020	0.15	153				153	46					10
2nd Floor Ne	w Bidg						Total	2,903	5,170			i i		
				Totals						Column I Total	Design Vent	ilation Air		
С	Minimum ventilatio	n rate per Sectio	on §121, Ta	able 121-A.										
E	Based on fixed sea			***************************************	of occupant	s and 50%	of the CBC oc	cupant load	for egress pu	rposes for space	s without fixe	ed seating.		
н	Required Ventilation													
1	Must be greater that							The state of the s		dimension in				
J	Design fan supply	CARLO COMO C. DOCUMENTO CARRO CARRO	LONG CONTROL OF THE STATE	AND			and the third that the same to							
K	Condition area (ft²)													
L	Maximum of Colum	and come to	Service Scotter C											
М	This must be less t	,, , , , , , , , , , , , , , , , , , ,	emitted to the	nd greater tha	an or equal	to the sum	of Columns H	plus N.						
N	Transfer Air must be equal to the differe	e provided whe	re the Requ	ired Ventilation	on Air (Colu	mn H) is gr	eater than the	Design Mini	imum Air (Colu	ımn M). Where i	equired, tran	sfer air must	be greater th	nan or

E Based on fixed seat or the greater of the expected number of occupants and 50% of the CBC occupant load for egress purposes for spaces without fixed seating.

Maximum of Columns H, J, K, or 300 CFM

This must be less than or equal to Column L and greater than or equal to the sum of Columns H plus N.

Transfer Air must be provided where the Required Ventilation Air (Column H) is greater than the Design Minimum Air (Column M). Where required, transfer air must be greater than or equal to the difference between the Required Ventilation Air (Column H) and the Design Minimum Air (Column M), Column H minus M.

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RunCode: 2015-10-29T14:36:00 ID: 201225

H Required Ventilation Air (REQ'D V.A.) is the larger of the ventilation rates calculated on an AREA BASIS or OCCUPANCY BASIS (Column D or G).

	NICAL VEI	NTILATIO	N AND	REHE	AT								MEC	CH-3C
Project Name 710 Wilshir	e Blvd. Alex G	orby Hotel P	roject										Date 10/29	/2015
		MECH	IANICAL	VENTILATIO	ON (§121((b)2)	177			REHE	AT LIMITA	TION (§144	(d))	
		LIGHTS CALCULATED	EA BASIS		199	CUPANCY	BASIS				VAV MIN		. 372	
	A	В	С	D	E	F	G	н	Ĭ	J	к	L	M	N
Zone	/System	Condition Area (ft²)	CFM per ft ²	Min CFM By Area B X C	Number Of People	CFM per Person	Min CFM by Occupant E X F	REQ'D V.A. Max of D or G	Design Ventilation Air CFM	50% of Design Zone Supply CFM	B X 0.4 CFM / ft ²	Max. of Columns H, J, K, 300 CFM	Design Minimum Air Setpoint	Transfer Air
Meeting Room	12	1,554	0.50	777	* 1			777	777					
2nd Floor [N]B	ldg-MeetingC						Total	777	777					
Fitness Room		1,690	0.15	254				254	676					
2nd Floor [N]B	ldg-Fitness						Total	254	676					
Corridor		3,979	0.30	1,194		, ,	10	1,194	358			3:		83
louse Keeping	2	320	1,50	480				480	3,000					si.
Suest Suite (1)		660	0.15	99	Î			99	30	10				6
Guest Suite (2)	Ì	435	0.15	65				65	20					4
Guest Suite (3)		655	0.15	98				98	29			21		6
Guest Suite (4)		560	0.15	84				84	25					5
Guest Suite (5)		805	0.15	121				121	403					
Guest Suite (6)		470	0.15	71				71	235					
Guest Suite (7)		460	0.15	69				69	230					
Suest Room-N.	E.	6,120	0.15	918				918	275					64.
Guest Room-N.	W.	2,720	0.15	408				408	122					28
				Totals						Column I Total	Design Vent	ilation Air		
С	Minimum ventilati	on rate per Section	on §121, Ta	able 121-A.										
E	Based on fixed se	eat or the greater	of the expe	cted number o	of occupant	s and 50%	of the CBC oc	cupant load	for egress pu	rposes for space	s without fixe	ed seating.		
Н	Required Ventilat	ion Air (REQ'D V.	A.) is the la	rger of the ve	ntilation rat	es calculate	ed on an AREA	BASIS or	OCCUPANCY	BASIS (Column	D or G).			
ĵ.	Must be greater t	han or equal to H,	or use Tra	nsfer Air (colu	mn N) to m	ake up the	difference.							
J	Design fan supply	CFM (Fan CFM)	x 50%; or	the design zor	ne outdoor	airflow rate	per §121.							
K	Condition area (ft	2) x 0.4 CFM / ft ² ;	or											
<u>u</u>	Maximum of Colu	mns H, J, K, or 30	00 CFM											
М	This must be less Transfer Air must	than or equal to	Column L a	nd greater tha	n or equal	to the sum	of Columns H	plus N. Design Min	imum Air (Col	umn M) Where	required tran	sfer air muct	he greater th	an or
N	equal to the differ										equileu, irai	sici ail must	De greater th	iai oi

Based on fixed seat or the greater of the expected number of occupants and 50% of the CBC occupant load for egress purposes for spaces without fixed seating.

This must be less than or equal to Column L and greater than or equal to the sum of Columns H plus N.

Transfer Air must be provided where the Required Ventilation Air (Column H) is greater than the Design Minimum Air (Column M). Where required, transfer air must be greater than or equal to the difference between the Required Ventilation Air (Column H) and the Design Minimum Air (Column M). Column H minus M.

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H Required Ventilation Air (REQ'D V.A.) is the larger of the ventilation rates calculated on an AREA BASIS or OCCUPANCY BASIS (Column D or G).

Must be greater than or equal to H, or use Transfer Air (column N) to make up the difference.

J Design fan supply CFM (Fan CFM) x 50%; or the design zone outdoor airflow rate per §121.

K Condition area (ft²) x 0.4 CFM / ft²; or

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June 25, 2013 PROJECT NUMBER HLA 0000000-00000