CERTIFICATE OF FIELD INSPECTION				(F	Part 1	of 4)		MECH-1C
Project Name 710 Wilshire Blvd. Alex G	arhy	Hotal Project						Date 10/29/2015
Project Address	огру	noter Project	Climate Zor	ne	Total	Cond. F	loor Area	Addition Floor Area
710 Wilshire Blvd. Santa	a Mo	nica		6	925-502-53	184,5	78	184,578
GENERAL INFORMATION								
Building Type:	Ø	Nonresidential	☐ High	-Rise Residen	tial E	Hote	SOURCE ATTENDED	luest Room
■ Schools (Public School)		Relocatable Public Scho	ool Bldg.	Conditione	d Spaces		Uncon (affida	ditioned Spaces vit)
Phase of Construction:		New Construction	□ Addi	tion	6	Alte	ration	-1.5/
Approach of Compliance:		Component		rall Envelope T	DV C	1 Unc	onditione	d (file affidavit)
Front Orientation: N, E, S, W of	r in D		Ener	gy				(32)2)
HVAC SYSTEM DETAIL	N III I S III S	220 009			FIELD II	ISPECT	ION ENE	RGY CHECKLIST
		3.0			04502	00 NO 38-10	N Re Dec	lequirements
Equipment ²		Inspe	ection Criteria	a	Pas			escribe Reason ²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		3rd Floor New Bl	::::::::::::::::::::::::::::::::::::::					
Equipment Type ³ :		4 Pipe Fan Coil	-9	;	0			
Number of Systems		44				-		
Max Allowed Heating Capacity	,1	16,670 Btu/hr				-		0
Minimum Heating Efficiency ¹		% AFUE			0			0
Max Allowed Cooling Capacity	,1	11,167 Btu/hr			0	1		0
Cooling Efficiency ¹		n/a						
Duct Location/ R-Value		Attic, Ceiling Ins,	vented / 8.0)				
When duct testing is required, MECH-4A & MECH-4-HERS	subm	t Yes						0
Economizer		No Economizer						
Thermostat		Setback Require	d					
Fan Control		Constant Volume)					
					FIELD II	ISPECT	ION ENE	RGY CHECKLIST
Equipment ²		Inspe	ection Criteria	a	Pas	s	Fail - D	escribe Reason ²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		4th Floor New Bl	dg					
Equipment Type ³ :		4 Pipe Fan Coil						
Number of Systems		44						
Max Allowed Heating Capacity	,t	16,670 Btu/hr						0
Minimum Heating Efficiency ¹		% AFUE						
Max Allowed Cooling Capacity	,	11,167 Btu/hr				9		0
Cooling Efficiency ¹		n/a						
Duct Location/ R-Value		Attic, Ceiling Ins,	vented / 8.0)				27.8
When duct testing is required, MECH-4A & MECH-4-HERS	subm	t Yes			0			
Economizer		No Economizer						
Thermostat		Setback Require	d					
Fan Control		Constant Volume	9					
If the Actual installed equipment the building plans) the responsit 2. For additional detailed discrepar 3. Indicate Equipment Type: Gas (ole par ncy us	ty shall resubmit energy con e Page 2 of the Inspection C	npliance to incli Checklist Form.	ude the new cha Compliance fails	nges.	- 20.497.0.5-20000		obmittal or from

EnergyPro 5.1 by EnergySoft User Number: 5251 RunCode: 2015-10-29T14:36:00 ID: 201225

CERTIFICATE OF COI FIELD INSPECTION E	기가 있는데 그리면 보다가 먹었다	Section of the sectio	Part 1 of 4)	Ř Ž	MECH-1C
Project Name 710 Wilshire Blvd. Alex Gorby	Hotel Project				Date 10/29/2015
Project Address	Tioteri rojeci	Climate Zone	Total Cond.	Floor Area	Addition Floor Area
710 Wilshire Blvd. Santa Mo	nica	6	184,	578	184,578
GENERAL INFORMATION		D.*			A.C
Building Type:	Nonresidential	☐ High-Rise Reside	ntial 🗹 Hot	tel/Motel G	luest Room
□ Schools (Public School) □	Relocatable Public Sch	ool Bldg. Condition	ed Spaces [Uncon (affida	ditioned Spaces vit)
Phase of Construction:	New Construction	■ Addition		eration	
Approach of Compliance:	Component	Overall Envelope Energy	TDV 🗖 Un	conditione	d (file affidavit)
Front Orientation: N, E, S, W or in D	egrees: 225 deg	Lifety			
HVAC SYSTEM DETAILS			FIELD INSPEC	TION ENE	RGY CHECKLIST
			conc. of desc	47 S	lequirements
Equipment ²	Inspe	ection Criteria	Pass		escribe Reason ²
Item or System Tags	2000 START START SALE	TO THE		T all - D	
(i.e. AC-1, RTU-1, HP-1)	5th Floor New B	ldg			
Equipment Type ³ :	4 Pipe Fan Coil				
Number of Systems	44				
Max Allowed Heating Capacity ¹	16,670 Btu/hr				
Minimum Heating Efficiency ¹	% AFUE				
Max Allowed Cooling Capacity ¹	11,167 Btu/hr				
Cooling Efficiency ¹	n/a				
Duct Location/ R-Value	Attic, Ceiling Ins.	, vented / 8.0			
When duct testing is required, subm MECH-4A & MECH-4-HERS	Yes Yes				
Economizer	No Economizer				
Thermostat	Setback Require	ed			
Fan Control	Constant Volume	e			
			FIELD INSPEC	TION ENE	RGY CHECKLIST
Equipment ²	Inspe	ection Criteria	Pass	Fail - D	escribe Reason ²
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	6th Floor New B	lda			
Equipment Type ³ :	4 Pipe Fan Coil	- 			
Number of Systems	41				
Max Allowed Heating Capacity ¹	16,670 Btu/hr				
Minimum Heating Efficiency ¹	% AFUE				
Max Allowed Cooling Capacity ¹	11,167 Btu/hr				
Cooling Efficiency ¹	n/a				
Duct Location/ R-Value	Attic, Ceiling Ins	, vented / 8.0			
When duct testing is required, subm MECH-4A & MECH-4-HERS			Ī		E
Economizer	No Economizer				
Thermostat	Setback Require	ed			
Fan Control	Constant Volume				
If the Actual installed equipment performs the building plans) the responsible para. For additional detailed discrepancy us. Indicate Equipment Type: Gas (Pkg or Pkg	ty shall resubmit energy cor e Page 2 of the Inspection (mpliance to include the new ch Checklist Form. Compliance fai	anges.		bmittal or from
EnergyPro 5.1 by EnergySoft User Nu	mber: 5251 RunCoo	de: 2015-10-29T14:36:00	ID: 201225		Page 57 of 8

Project Name 710 Wilshire Blvd. Alex Gorby Ho			Date 10/29/2015
Project Address 710 Wilshire Blvd. Santa Monica	Climate Zone 6	Total Cond. I 184,	이렇게 있다. 이렇게 하는데 하는데 이렇게 되었다. 그리고 있다.
Building Type: Mo	nresidential	ntial 2 Hot	el/Motel Guest Room
ACCEPACION DOCUMENT	locatable Public School Bldg. Condition		Unconditioned Spaces
	w Construction	400 F66	(affidavit)
	Overall Envelope	TDV	
2322. %	Energy Energy	□ Und	conditioned (file affidavit)
Front Orientation: N, E, S, W or in Degree	ees: 225 deg	T	
HVAC SYSTEM DETAILS	7	FIELD INSPEC	TION ENERGY CHECKLIS
The state of the s	200 E-7-100 W	Meets Cr	teria or Requirements
Equipment ²	Inspection Criteria	Pass	Fail – Describe Reason
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	7th Floor [N]Bldg-Kitchen		
Equipment Type ³ :	4 Pipe Fan Coil		
Number of Systems	1		
Max Allowed Heating Capacity ¹	38,400 Btu/hr		0
Minimum Heating Efficiency ¹	% AFUE		
Max Allowed Cooling Capacity ¹	35,930 Btu/hr		
Cooling Efficiency ¹	n/a		
Duct Location/ R-Value	Attic, Ceiling Ins, vented / 8.0		
When duct testing is required, submit MECH-4A & MECH-4-HERS	Yes	0	0
Economizer	No Economizer		
Thermostat	Setback Required		
Fan Control	Constant Volume		
			TION ENERGY CHECKLIS
Equipment ²	Inspection Criteria	Pass	Fail - Describe Reason
Item or System Tags (i.e. AC-1, RTU-1, HP-1)	7th Floor [N]Bldg-Admin-Lockers		
Equipment Type ³ :	4 Pipe Fan Coil		
Number of Systems	1		
Max Allowed Heating Capacity ¹	33,900 Btu/hr		0
Minimum Heating Efficiency ¹	% AFUE		
Max Allowed Cooling Capacity ¹	26,940 Btu/hr		
Cooling Efficiency ¹	n/a		
Duct Location/ R-Value	Attic, Ceiling Ins, vented / 8.0		
When duct testing is required, submit MECH-4A & MECH-4-HERS	Yes	0	
Economizer	No Economizer		
Thermostat	Setback Required		
Fan Control	Constant Volume		
If the Actual installed equipment performar the building plans) the responsible party shapes.	Constant Volume Ice efficiency and capacity is less than the Proposed (all resubmit energy compliance to include the new ch ge 2 of the Inspection Checklist Form. Compliance fai	anges.	THE STATE OF THE S

Project Address	orby Hotel Project	Climate Zone	Total Cond.	Date 10/29/ Floor Area Addition Fl
Project Address 710 Wilshire Blvd. Santa GENERAL INFORMATION	Monica	6	184,	
Building Type:	☑ Nonresidential	☐ High-Rise Resi	dential 🛛 Ho	tel/Motel Guest Roon
☐ Schools (Public School)	☐ Relocatable Public	38-77 - 74-83-74 - 38- 38- 38- 38- 38- 38- 38- 38- 38- 3	CA23	Unconditioned Sp
Phase of Construction:	□ New Construction	☐ Addition	minicotencia de la composición del composición de la composición d	(affidavit)
		Overall Envelop	as TDV	
Approach of Compliance:	☐ Component	Energy	De IDV 🗖 Un	conditioned (file affida
Front Orientation: N, E, S, W o	The state of the s	<u> </u>	Towns were more recover-	
HVAC SYSTEM DETAIL	S		The second second second	TION ENERGY CHEC
•		1 570 YEAVEN SEN	527.	iteria or Requireme
Equipment ² Item or System Tags		Inspection Criteria	Pass	Fail - Describe R
(i.e. AC-1, RTU-1, HP-1)	7th Floor [N]Bldg-Flex		
Equipment Type ³ :	4 Pipe Fan	Coil		
Number of Systems	1			
Max Allowed Heating Capacity		hr		
Minimum Heating Efficiency ¹	% AFUE			0
Max Allowed Cooling Capacity		hr		
Cooling Efficiency ¹	n/a	TO DESCRIPTION OF THE STATE OF		
Duct Location/ R-Value		g Ins, vented / 8.0		
When duct testing is required, MECH-4A & MECH-4-HERS	Yes			
Economizer	No Econom	izer		1000
Thermostat	Setback Re	quired		
Fan Control	Constant Vo	olume		
			FIELD INSPEC	TION ENERGY CHEC
Equipment ²	į.	Inspection Criteria	Pass	Fail - Describe Re
Item or System Tags (i.e. AC-1, RTU-1, HP-1)				
Item or System Tags				
Item or System Tags (i.e. AC-1, RTU-1, HP-1)				
Item or System Tags (i.e. AC-1, RTU-1, HP-1) Equipment Type ³ : Number of Systems Max Allowed Heating Capacity				
Item or System Tags (i.e. AC-1, RTU-1, HP-1) Equipment Type ³ : Number of Systems Max Allowed Heating Capacity Minimum Heating Efficiency ¹				
Item or System Tags (i.e. AC-1, RTU-1, HP-1) Equipment Type ³ : Number of Systems Max Allowed Heating Capacity Minimum Heating Efficiency ¹ Max Allowed Cooling Capacity			0	
Item or System Tags (i.e. AC-1, RTU-1, HP-1) Equipment Type ³ : Number of Systems Max Allowed Heating Capacity Minimum Heating Efficiency ¹ Max Allowed Cooling Capacity Cooling Efficiency ¹				
Item or System Tags (i.e. AC-1, RTU-1, HP-1) Equipment Type ³ : Number of Systems Max Allowed Heating Capacity Minimum Heating Efficiency ¹ Max Allowed Cooling Capacity Cooling Efficiency ¹ Duct Location/ R-Value				
Item or System Tags (i.e. AC-1, RTU-1, HP-1) Equipment Type ³ : Number of Systems Max Allowed Heating Capacity Minimum Heating Efficiency ¹ Max Allowed Cooling Capacity Cooling Efficiency ¹				
Item or System Tags (i.e. AC-1, RTU-1, HP-1) Equipment Type ³ : Number of Systems Max Allowed Heating Capacity Minimum Heating Efficiency ¹ Max Allowed Cooling Capacity Cooling Efficiency ¹ Duct Location/ R-Value When duct testing is required,				
Item or System Tags (i.e. AC-1, RTU-1, HP-1) Equipment Type ³ : Number of Systems Max Allowed Heating Capacity Minimum Heating Efficiency ¹ Max Allowed Cooling Capacity Cooling Efficiency ¹ Duct Location/ R-Value When duct testing is required, 3 MECH-4A & MECH-4-HERS				

Required Acceptance Tests											
Designer: This form is to be used by the designer aboxes by all acceptance tests that apply the number of systems. The NA number part of the plans, completion of this section.	and liste designa	ed all equipmer ites the Section	nt that requires in the Appen	s an acceptar dix of the Nor	nce test. If all e nresidential Re	equipment of eference App	a certain typ endices Mar	e requires a	test, list the e	equipment des	cription and
Building Departments: ystems Acceptance: Before occupandormal use, all control devices serving the ystems Acceptance: Before occupant	ne buildi	ng or space sh	all be certified	as meeting th	he Acceptance	e Requireme	nts for Code	Compliance		ng or space is	operated fo
The MECH-1C form is not considered a person performing the test (Example: H\ checked-off forms are required for ALL is specifications, installation, certificates, a properly filled out and signed forms before	VAC inst newly in: nd opera	aller, TAB cont stalled equipme ating and maint uilding can rece	ractor, control ent. In addition enance inforn eive final occu	s contractor, n a Certificate nation meet th pancy.	PE in charge of Acceptance requirement	of project) an e forms shall ts of §10-103	nd what Acce be submitte 3(b) and Title	ptance test r d to the build -24 Part 6. T	nust be cond ling departme he building in	ucted. The foll ent that certifie nspector must	owing s plans, receive the
TEST DESCRIPTION		MECH-2A	MECH-3A	MECH-4A	MECH-5A	MECH-6A	MECH-7A	MECH-8A	MECH-9A	MECH-10A	MECH-11A
		Outdoor Ventilation For	Constant Volume & Single-Zone	Air Distribution	Economizer	Demand Control Ventilation	Supply Fan	Valve Leakage Test	Supply Water Temp.	Hydronic System Variable Flow	Automatic Demand Shed
Equipment Requiring Testing or Verification	Otv.	VAV & CAV	Unitary	Ducts	Controls	DCV	VAV	1681	Reset	Control	Control
	Qty.	VAV & CAV	Unitary	Ducts	Controls	DCV	VAV	rest ☑	Reset	Control 🗹	Control
IcQuay WMC200		7525		1000							
IcQuay WMC200 AC 15176	2							Ø		Ø	D
AcQuay WMC200 BAC 15176 Raypak MVB-2003	2									Ø	
AcQuay WMC200 BAC 15176 Raypak MVB-2003 Energy Labs-AHU	2 2 2					0 0					
AcQuay WMC200 BAC 15176 Raypak MVB-2003 Energy Labs-AHU Wirtherm Fan Coil	2 2 2 2										
Equipment Requiring Testing or Verification McQuay WMC200 BAC 15176 Raypak MVB-2003 Energy Labs-AHU Wirtherm Fan Coil Wirtherm CPFR 04 Wirtherm BBH060	2 2 2 2 2 276										
AcQuay WMC200 BAC 15176 Raypak MVB-2003 Energy Labs-AHU Wirtherm Fan Coil Wirtherm CPFR 04 Wirtherm BBH060	2 2 2 2 2 276									0 0	
McQuay WMC200 BAC 15176 Raypak MVB-2003 Energy Labs-AHU Wirtherm Fan Coil	2 2 2 2 2 276 2										
AcQuay WMC200 AC 15176 Raypak MVB-2003 Inergy Labs-AHU Intherm Fan Coil Intherm CPFR 04 Intherm BBH060 Intherm CPFR 12 Intherm CPFR 15	2 2 2 2 2 276 2 1 3										
AcQuay WMC200 BAC 15176 Baypak MVB-2003 Energy Labs-AHU Firtherm Fan Coil Firtherm CPFR 04 Firtherm BBH060 Firtherm CPFR 12 Firtherm CPFR 15 Firtherm CPFR 10	2 2 2 2 2 276 2 1 3										
AcQuay WMC200 AC 15176 Baypak MVB-2003 Energy Labs-AHU Firtherm Fan Coil Firtherm CPFR 04 Firtherm BBH060 Firtherm CPFR 12 Firtherm CPFR 15 Firtherm CPFR 10	2 2 2 2 2 276 2 1 3									8 0 8 0 0 0	
McQuay WMC200 BAC 15176 Raypak MVB-2003 Energy Labs-AHU Airtherm Fan Coil Airtherm CPFR 04 Airtherm BBH060 Airtherm CPFR 12	2 2 2 2 2 276 2 1 3										

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 3 of 4) MECH-1C

Project Name	Hotal Pro	iont					Date 10/29/2015
710 Wilshire Blvd. Alex Gorby I TEST DESCRIPTION	Totel Ploj	MECH-12A	MECH-13A	MECH-14A	MECH-15A		10/29/2015
Equipment Requiring Testing	Qty.	Fault Detection & Diagnostics for DX Units	Automatic Fault Detection & Diagnostics for Air & Zone	Distributed Energy Storage DX AC Systems	Thermal Energy Storage (TES) Systems	Test Performed B	y:
McQuay WMC200	2						
BAC 15176	2						
Raypak MVB-2003	2						
Energy Labs-AHU	2						
Airtherm Fan Coil	276						
Airtherm CPFR 04	2						
Airtherm BBH060	1						
Airtherm CPFR 12	3						
Airtherm CPFR 15	2						
Airtherm CPFR 10	1						
Airtherm CPFR 08	1						
	1						
	*						
	Î						
				0			

Project Name 710 Willebirg Plus Alex Cor			(Part 1 of	2) MECH- Date 10/29/201
710 Wilshire Blvd. Alex Gor	1 - 5	197 El 1970		CONTRACTOR OF THE PROPERTY OF
Item or System Tags	Indic	cate Air Systems Type (Cer	F = = =	
(i.e. AC-1, RTU-1, HP-1)		P1 Level Historic Bldg	Ground Floor Historic Bldg	2nd Floor Historic Blo
Number of Systems		1	1	11
	Indicate Pa	ge Reference on Plans or S	Schedule and indicate the	applicable exception
MANDATORY MEASURES	T-24 Sections	<u>.</u>		42790004000000
Heating Equipment Efficiency	112(a)	n/a	% AFUE	% AFUE
Cooling Equipment Efficiency	112(a)	13.0 EER	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)	597 cfm	7,431 cfm	220 cfm
VAV Minimum Position Control	121(c)	No	No	No
Demand Control Ventilation	121(c)	Yes	No	No
Time Control	122(e)	Programmable Switch	Programmable Switch	Programmable Swite
Setback and Setup Control	122(e)	Setback Required	Setback Required	Setback Required
Outdoor Damper Control	122(f)	Auto	Auto	Auto
Isolation Zones	122(g)	n/a	n/a	n/a
Pipe Insulation	123			
Duct Location/ R-value	124	Attic, Ceiling Ins. vented / 8.0	Attic, Ceiling Ins, vented / 8.0	Attic, Ceiling Ins, vented
PRESCRIPTIVE MEASURES	THE STATE OF THE S	SS4-7.	204	909-3
Calculated Design Heating Load	144(a & b)	n/a	n/a	n/a
Proposed Heating Capacity	144(a & b)	0 Btu/hr	16,670 Btu/hr	183,370 Btu/hr
Calculated Design Cooling Load	144(a & b)	n/a	n/a	n/a
Proposed Cooling Capacity	144(a & b)	530,401 Btu/hr	7,488 Btu/hr	82,368 Btu/hr
Fan Control	144(c)	Variable Speed	Constant Volume	Constant Volume
DP Sensor Location	144(c)		790	660
Supply Pressure Reset (DDC only)	144(c)	Yes	Yes	Yes
Simultaneous Heat/Cool	144(d)	No	No	No
Economizer	144(e)	Diff. Temp (Integrated)	No Economizer	No Economizer
Heat Air Supply Reset	144(f)	Constant Temp	Constant Temp	Constant Temp
Cool Air Supply Reset	144(f)	Warmest Zone	Constant Temp	Constant Temp
Electric Resistance Heating ¹	144(g)			
Air Cooled Chiller Limitation	144(i)			
Duct Leakage Sealing. If Yes, a	144(k)	Yes	Yes	Yes

 Total installed capacity (MBtu/hr) of all electric heat on this project exclusive of electric auxiliary heat for heat pumps. If electric heat is used explain which exception(s) to §144(g) apply.

EnergyPro 5.1 by EnergySoft User Number: 5251 RunCode: 2015-10-29T14:36:00 ID: 201225

Number of Systems		11	11	11
	Indicate Pa	ge Reference on Plans or	Schedule and indicate the	applicable exception(s)
MANDATORY MEASURES	T-24 Sections			
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)	237 cfm	237 cfm	237 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 Switch
Setback and Setup Control	122(e)	Setback Required	Setback Required	Setback Required
Outdoor Damper Control	122(f)	Auto	Auto	Auto
Isolation Zones	122(g)	n/a	n/a	n/a
Pipe Insulation	123		2	
Duct Location/ R-value	124	Attic, Ceiling Ins, vented / 8.0	Attic, Ceiling Ins, vented / 8.0	Attic, Ceiling Ins, vented / 8.0
Proposed Heating Capacity	144(a & b)	183,370 Btu/hr	183,370 Btu/hr	183,370 Btu/hr
Calculated Design Cooling Load	144(a & b)	n/a	n/a	n/a
	144(a & b)	82,368 Btu/hr	82,368 Btu/hr	22 22 21 21
Proposed Cooling Capacity	144(a & 0)			82,368 Btu/hr
I AR BONOTER CONTRACTOR TO CONTRACTOR TO CONTRACTOR IN A STATE OF THE		Constant Volume	Constant Volume	82,368 Btu/hr Constant Volume
Fan Control	144(c)	Constant Volume	Constant Volume	05 = =0.00
Fan Control DP Sensor Location		Constant Volume Yes	Constant Volume Yes	GS = = GAVA
Proposed Cooling Capacity Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool	144(c) 144(c)		N N	Constant Volume
Fan Control DP Sensor Location Supply Pressure Reset (DDC only)	144(c) 144(c) 144(c)	Yes	Yes	Constant Volume Yes
Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool	144(c) 144(c) 144(c) 144(d)	Yes No	Yes No	Constant Volume Yes No
Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Economizer Heat Air Supply Reset	144(c) 144(c) 144(c) 144(d) 144(e)	Yes No No Economizer	Yes No No Economizer	Constant Volume Yes No No Economizer
Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Economizer	144(c) 144(c) 144(c) 144(d) 144(e) 144(f)	Yes No No Economizer Constant Temp	Yes No No Economizer Constant Temp	Constant Volume Yes No No Economizer Constant Temp
Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Economizer Heat Air Supply Reset Cool Air Supply Reset Electric Resistance Heating ¹ Air Cooled Chiller Limitation	144(c) 144(c) 144(c) 144(d) 144(e) 144(f)	Yes No No Economizer Constant Temp	Yes No No Economizer Constant Temp	Constant Volume Yes No No Economizer Constant Temp
Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Economizer Heat Air Supply Reset Cool Air Supply Reset Electric Resistance Heating¹ Air Cooled Chiller Limitation Duct Leakage Sealing. If Yes, a	144(c) 144(c) 144(c) 144(d) 144(e) 144(f) 144(f) 144(g)	Yes No No Economizer Constant Temp	Yes No No Economizer Constant Temp	Yes No No Economizer Constant Temp
Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Economizer Heat Air Supply Reset Cool Air Supply Reset Electric Resistance Heating ¹ Air Cooled Chiller Limitation Duct Leakage Sealing. If Yes, a MECH-4-A must be submitted 1. Total installed capacity (MBtu/h	144(c) 144(c) 144(c) 144(d) 144(e) 144(f) 144(f) 144(g) 144(i) 144(k)	Yes No No Economizer Constant Temp Constant Temp	Yes No No Economizer Constant Temp Constant Temp Yes	Yes No No Economizer Constant Temp Constant Temp Yes
Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Economizer Heat Air Supply Reset Cool Air Supply Reset Electric Resistance Heating ¹ Air Cooled Chiller Limitation Duct Leakage Sealing. If Yes, a MECH-4-A must be submitted 1. Total installed capacity (MBtu/hexplain which exception(s) to §	144(c) 144(c) 144(c) 144(d) 144(e) 144(f) 144(f) 144(g) 144(i) 144(k)	Yes No No Economizer Constant Temp Constant Temp Yes	Yes No No Economizer Constant Temp Constant Temp Yes	Yes No No Economizer Constant Temp Constant Temp Yes

10/29/2015

Indicate Air Systems Type (Central, Single Zone, Package, VAV, or etc...)

3rd Floor Historic Bldg 4th Floor Historic Bldg 5th Floor Historic Bldg

AIR SYSTEM REQUIREMENTS

710 Wilshire Blvd. Alex Gorby Hotel Project

Project Name 710 Wilshire Blvd. Alex Gori	by Hotel Proje	ct		10/29/2015
	Indic	ate Air Systems Type (Cer	ntral, Single Zone, Package,	VAV, or etc)
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		6th Floor Historic Bldg	P5 Level New Bldg	P4 Level New Bldg
Number of Systems		11	2	2
	Indicate Pag	ge Reference on Plans or S	Schedule and indicate the ap	plicable exception(s)
MANDATORY MEASURES	T-24 Sections			20 82k K-25
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)	237 cfm	13 cfm	10 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 Switch
	122(e)	Setback Required	Setback Required	Setback Required
Setback and Setup Control	122(0)		III US	
Setback and Setup Control Outdoor Damper Control	122(f)	Auto	Auto	Auto
Ann di alia-ina an se-sema fores-sare ann	Construction of the Constr	Auto n/a	Auto n/a	Auto n/a
Outdoor Damper Control Isolation Zones Pipe Insulation	122(f)	n/a	n/a	Vicinity
Outdoor Damper Control	122(f) 122(g) 123 124	n/a	n/a	n/a
Outdoor Damper Control Isolation Zones Pipe Insulation Duct Location/ R-value	122(f) 122(g) 123 124	n/a Attic, Ceiling Ins, vented / 8.0	n/a Attic, Ceiling Ins, vented / 8.0 A	n/a ttic, Ceiling Ins, vented / 8.0 n/a
Outdoor Damper Control Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES	122(f) 122(g) 123 124	n/a Attic, Ceiling Ins. vented / 8.0	n/a Attic, Ceiling Ins, vented / 8.0 A	n/a ttic, Ceiling Ins, vented / 8.0
Outdoor Damper Control Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load	122(f) 122(g) 123 124	n/a Attic, Ceiling Ins, vented / 8.0 n/a 183,370 Btu/hr n/a	n/a Attic, Ceiling Ins, vented / 8.0 And	n/a ttic, Ceiling Ins, vented / 8.0 n/a 33,340 Btu/hr n/a
Outdoor Damper Control Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity	122(f) 122(g) 123 124 144(a & b) 144(a & b)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 183,370 Btu/hr	n/a Attic, Ceiling Ins, vented / 8.0 Ai n/a 33,340 Btu/hr	n/a ttic, Ceiling Ins, vented / 8.0 n/a 33,340 Btu/hr
Outdoor Damper Control Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load	122(f) 122(g) 123 124 144(a & b) 144(a & b)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 183,370 Btu/hr n/a	n/a Attic, Ceiling Ins, vented / 8.0 And	n/a ttic, Ceiling Ins, vented / 8.0 n/a 33,340 Btu/hr n/a
Outdoor Damper Control 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(f) 122(g) 123 124 144(a & b) 144(a & b) 144(a & b)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 183,370 Btu/hr n/a 82,368 Btu/hr Constant Volume	n/a Attic, Ceiling Ins, vented / 8.0 Ai n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume	n/a ttic, Ceiling Ins, vented / 8.0 n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume
Outdoor Damper Control 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)	122(f) 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 183,370 Btu/hr n/a 82,368 Btu/hr Constant Volume Yes	n/a Attic, Ceiling Ins, vented / 8.0 At n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume	n/a ttic, Ceiling Ins, vented / 8.0 n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume
Outdoor Damper Control 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(f) 122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 183,370 Btu/hr n/a 82,368 Btu/hr Constant Volume Yes No	n/a Attic, Ceiling Ins, vented / 8.0 And	n/a ttic, Ceiling Ins, vented / 8.0 n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume Yes No
Outdoor Damper Control 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)	122(f) 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 183,370 Btu/hr n/a 82,368 Btu/hr Constant Volume Yes No No Economizer	n/a Attic, Ceiling Ins, vented / 8.0 Al n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume Yes No No Economizer	n/a ttic, Ceiling Ins, vented / 8.0 n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume Yes No No Economizer
Outdoor Damper Control 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	122(f) 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 183,370 Btu/hr n/a 82,368 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a Attic, Ceiling Ins, vented / 8.0 At 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a ttic, Ceiling Ins, vented / 8.0 n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume Yes No No Economizer Constant Temp
Outdoor Damper Control 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	122(f) 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)	n/a Attic, Ceiling Ins. vented / 8.0 n/a 183,370 Btu/hr n/a 82,368 Btu/hr Constant Volume Yes No No Economizer	n/a Attic, Ceiling Ins, vented / 8.0 Al n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume Yes No No Economizer	n/a ttic, Ceiling Ins, vented / 8.0 n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume Yes No No Economizer
Outdoor Damper Control 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(f) 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 183,370 Btu/hr n/a 82,368 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a Attic, Ceiling Ins, vented / 8.0 At 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a ttic, Ceiling Ins, vented / 8.0 n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume Yes No No Economizer Constant Temp
Outdoor Damper Control 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 Cool Air Supply Reset	122(f) 122(g) 123 124 144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(c) 144(f) 144(f)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 183,370 Btu/hr n/a 82,368 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a Attic, Ceiling Ins, vented / 8.0 At 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a ttic, Ceiling Ins, vented / 8.0 n/a 33,340 Btu/hr n/a 14,976 Btu/hr Constant Volume Yes No No Economizer Constant Temp

MANDATORY MEASURES Heating Equipment Efficiency Cooling Equipment Efficiency HVAC Heat Pump Thermostat Furnace Controls/Thermostat Natural Ventilation Mechanical Ventilation VAV Minimum Position Control Demand Control Ventilation 12:	Indicate Page 24 Sections 2(a) 2(a) 2(b), 112(c) 2(c), 115(a) 1(b) 1(b)	P3 Level New Bldg 1 Reference on Plans or S % AFUE n/a n/a N/a No 18 cfm	P2 Level New Bldg 1 Schedule and indicate the % AFUE n/a n/a n/a	2-1 Level/Ground Floor New Bloom 1 2 applicable exception(s) n/a 13.0 EER n/a
MANDATORY MEASURES T-2 Heating Equipment Efficiency Cooling Equipment Efficiency HVAC Heat Pump Thermostat Furnace Controls/Thermostat Natural Ventilation Mechanical Ventilation 12: VAV Minimum Position Control Demand Control Ventilation 12:	24 Sections 2(a) 2(a) 2(b), 112(c) 2(c), 115(a) 1(b) 1(b)	% AFUE n/a n/a No	% AFUE n/a n/a	n/a 13.0 EER
MANDATORY MEASURES Heating Equipment Efficiency Cooling Equipment Efficiency HVAC Heat Pump Thermostat Furnace Controls/Thermostat Natural Ventilation Mechanical Ventilation VAV Minimum Position Control Demand Control Ventilation 12:	24 Sections 2(a) 2(a) 2(b), 112(c) 2(c), 115(a) 1(b) 1(b)	% AFUE n/a n/a n/a No	% AFUE n/a n/a	n/a 13.0 EER
Heating Equipment Efficiency Cooling Equipment Efficiency HVAC Heat Pump Thermostat Furnace Controls/Thermostat Natural Ventilation Mechanical Ventilation 12: VAV Minimum Position Control Demand Control Ventilation 12:	2(a) 2(a) 2(b), 112(c) 2(c), 115(a) 1(b)	n/a n/a n/a No	n/a n/a	13.0 EER
Cooling Equipment Efficiency HVAC Heat Pump Thermostat Furnace Controls/Thermostat Natural Ventilation Mechanical Ventilation 12: VAV Minimum Position Control Demand Control Ventilation 12:	2(a) 2(b), 112(c) 2(c), 115(a) 1(b)	n/a n/a n/a No	n/a n/a	13.0 EER
HVAC Heat Pump Thermostat Furnace Controls/Thermostat Natural Ventilation Mechanical Ventilation VAV Minimum Position Control Demand Control Ventilation 12:	2(b), 112(c) 2(c), 115(a) 1(b) 1(b)	n/a n/a No	n/a	Contract Con
Furnace Controls/Thermostat Natural Ventilation Mechanical Ventilation VAV Minimum Position Control Demand Control Ventilation 12:	2(c), 115(a) 1(b) 1(b)	n/a No		n/a
Natural Ventilation 12 Mechanical Ventilation 12 VAV Minimum Position Control 12 Demand Control Ventilation 12	1(b) 1(b)	No	n/a	Ti T
Mechanical Ventilation 12: VAV Minimum Position Control 12: Demand Control Ventilation 12:	1(b)		District Control	n/a
VAV Minimum Position Control Demand Control Ventilation 12	NAME A	18 cfm	No	No
Demand Control Ventilation 12	1(c)	70 01111	18 cfm	18,791 cfm
	2000	No	No	No
	1(c)	No	No	Yes
Time Control 122	2(e)	Programmable Switch	Programmable Switch	Programmable Switch
Setback and Setup Control 122	2(e)	Setback Required	Setback Required	Setback Required
Outdoor Damper Control 122	2(f)	Auto	Auto	Auto
Isolation Zones 122	2(g)	n/a	n/a	7
Pipe Insulation 123	3			
PRESCRIPTIVE MEASURES				
	3		1//	ar -
Calculated Design Heating Load 144	4(a & b)	n/a	n/a	n/a
All to work the sale of the sa	4(a & b) 4(a & b)	n/a 18,800 Btu/hr	n/a 18,800 Btu/hr	n/a 0 Btu/hr
Proposed Heating Capacity 144	100000000000000000000000000000000000000	3.70(3F)	Company of the compan	
Proposed Heating Capacity 144 Calculated Design Cooling Load 144	4(a & b)	18,800 Btu/hr	18,800 Btu/hr	0 Btu/hr
Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity 144	4(a & b) 4(a & b)	18,800 Btu/hr n/a	18,800 Btu/hr n/a	0 Btu/hr n/a
Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control 144	4(a & b) 4(a & b) 4(a & b)	18,800 Btu/hr n/a 10,780 Btu/hr	18,800 Btu/hr n/a 10,780 Btu/hr	0 Btu/hr n/a 432,998 Btu/hr
Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control DP Sensor Location 144 144 144	4(a & b) 4(a & b) 4(a & b) 4(c)	18,800 Btu/hr n/a 10,780 Btu/hr	18,800 Btu/hr n/a 10,780 Btu/hr	0 Btu/hr n/a 432,998 Btu/hr
Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control DP Sensor Location Supply Pressure Reset (DDC only)	4(a & b) 4(a & b) 4(a & b) 4(c)	18,800 Btu/hr n/a 10,780 Btu/hr Constant Volume	18,800 Btu/hr n/a 10,780 Btu/hr Constant Volume	0 Btu/hr n/a 432,998 Btu/hr Variable Speed
Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool	4(a & b) 4(a & b) 4(a & b) 4(c) 4(c) 4(c)	18,800 Btu/hr n/a 10,780 Btu/hr Constant Volume Yes	18,800 Btu/hr n/a 10,780 Btu/hr Constant Volume Yes	0 Btu/hr n/a 432,998 Btu/hr Variable Speed Yes
Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control DP Sensor Location Supply Pressure Reset (DDC only) Simultaneous Heat/Cool Economizer	4(a & b) 4(a & b) 4(a & b) 4(c) 4(c) 4(c) 4(d)	18,800 Btu/hr n/a 10,780 Btu/hr Constant Volume Yes No	18,800 Btu/hr n/a 10,780 Btu/hr Constant Volume Yes No	0 Btu/hr n/a 432,998 Btu/hr Variable Speed Yes No
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	4(a & b) 4(a & b) 4(a & b) 4(c) 4(c) 4(c) 4(d) 4(e)	18,800 Btu/hr n/a 10,780 Btu/hr Constant Volume Yes No No Economizer	18,800 Btu/hr n/a 10,780 Btu/hr Constant Volume Yes No No Economizer	0 Btu/hr n/a 432,998 Btu/hr Variable Speed Yes No Diff. Temp (Integrated)
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	4(a & b) 4(a & b) 4(a & b) 4(c) 4(c) 4(c) 4(d) 4(e) 4(f)	18,800 Btu/hr n/a 10,780 Btu/hr Constant Volume Yes No No Economizer Constant Temp	18,800 Btu/hr n/a 10,780 Btu/hr Constant Volume Yes No No Economizer Constant Temp	0 Btu/hr n/a 432,998 Btu/hr Variable Speed Yes No Diff. Temp (Integrated) Constant Temp

Project Name 710 Wilshire Blvd. Alex Gori	hy Hotel Proje	ct		Date 10/29/2015
TO VINSTILLE BIVE. FILEX CON	i i	cate Air Systems Type (Cer	ntral Single Zone Packag	The second secon
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		P-1 Level Laundry New Bldg	2nd Floor New Bldg	2nd Floor [N]Bldg-MeetingC
Number of Systems		1	43	2
	Indicate Pa	ge Reference on Plans or S	Schedule and indicate the	applicable exception(s)
MANDATORY MEASURES	T-24 Sections			
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)	99 cfm	5,170 cfm	777 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 Switch
Setback and Setup Control	122(e)	Setback Required	Setback Required	Setback Required
Outdoor Damper Control	122(f)	Auto	Auto	Auto
Isolation Zones	122(g)	n/a	n/a	n/a
	400		m i	
Pipe Insulation	123		4	
Pipe Insulation Duct Location/ R-value	123	Attic, Ceiling Ins, vented / 8.0	Attic, Ceiling Ins, vented / 8.0	Attic, Ceiling Ins, vented / 8.0
70.47 2001 (1944-001) (1940-000) (1950-001)	124	Attic, Ceiling Ins, vented / 8.0	Attic, Ceiling Ins, vented / 8.0	Attic, Ceiling Ins, vented / 8.0
Duct Location/ R-value	124			The space
Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load	124 144(a & b)	n/a 301,300 Btu/hr n/a	n/a	n/a
Duct Location/ R-value PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity	144(a & b) 144(a & b)	n/a 301,300 Btu/hr	n/a 716,810 Btu/hr	n/a 76,800 Btu/hr
PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load	144(a & b) 144(a & b) 144(a & b)	n/a 301,300 Btu/hr n/a	n/a 716,810 Btu/hr n/a	n/a 76,800 Btu/hr n/a
PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity	144(a & b) 144(a & b) 144(a & b) 144(a & b)	n/a 301,300 Btu/hr n/a 161,090 Btu/hr	n/a 716,810 Btu/hr n/a 321,984 Btu/hr	n/a 76,800 Btu/hr n/a 57,540 Btu/hr
PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control	144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c)	n/a 301,300 Btu/hr n/a 161,090 Btu/hr	n/a 716,810 Btu/hr n/a 321,984 Btu/hr	n/a 76,800 Btu/hr n/a 57,540 Btu/hr
PRESCRIPTIVE MEASURES Calculated Design Heating Load Proposed Heating Capacity Calculated Design Cooling Load Proposed Cooling Capacity Fan Control DP Sensor Location	144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c)	n/a 301,300 Btu/hr n/a 161,090 Btu/hr Constant Volume	n/a 716,810 Btu/hr n/a 321,984 Btu/hr Constant Volume	n/a 76,800 Btu/hr n/a 57,540 Btu/hr Constant Volume
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)	144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c)	n/a 301,300 Btu/hr n/a 161,090 Btu/hr Constant Volume Yes	n/a 716,810 Btu/hr n/a 321,984 Btu/hr Constant Volume Yes	n/a 76,800 Btu/hr n/a 57,540 Btu/hr Constant Volume Yes
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	144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(c) 144(d)	n/a 301,300 Btu/hr n/a 161,090 Btu/hr Constant Volume Yes No	n/a 716,810 Btu/hr n/a 321,984 Btu/hr Constant Volume Yes No	n/a 76,800 Btu/hr n/a 57,540 Btu/hr Constant Volume Yes No
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	144(a & b) 144(a & b) 144(a & b) 144(a & b) 144(c) 144(c) 144(c) 144(d) 144(e)	n/a 301,300 Btu/hr n/a 161,090 Btu/hr Constant Volume Yes No No Economizer	n/a 716,810 Btu/hr n/a 321,984 Btu/hr Constant Volume Yes No No Economizer	n/a 76,800 Btu/hr n/a 57,540 Btu/hr Constant Volume Yes No
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	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 301,300 Btu/hr n/a 161,090 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a 716,810 Btu/hr n/a 321,984 Btu/hr Constant Volume Yes No No Economizer Constant Temp	n/a 76,800 Btu/hr n/a 57,540 Btu/hr Constant Volume Yes No No Economizer Constant Temp

EnergyPro 5.1 by EnergySoft User Number: 5251 RunCode: 2015-10-29T14:36:00 ID: 201225

H T	Indic	ate Air Systems Type (Cei	ntral, Single Zone, Packag	e, VAV, or etc)
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		2nd Floor [N]Bldg-Fitness	3rd Floor New Bldg	4th Floor New Bldg
Number of Systems		2	44	44
	Indicate Pag	e Reference on Plans or S	Schedule and indicate the	applicable exception(s
MANDATORY MEASURES	T-24 Sections			- PCA - 10
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)	676 cfm	4,926 cfm	4,926 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 Switch
Setback and Setup Control	122(e)	Setback Required	Setback Required	Setback Required
	2.101.10.1000.	W C	collings.	110000
Outdoor Damper Control	122(f)	Auto	Auto	Auto
Outdoor Damper Control Isolation Zones	122(f) 122(g)	Auto n/a	n/a	n/a
Isolation Zones Pipe Insulation	W8888WF	n/a	96102500	n/a
Isolation Zones	122(g) 123 124	n/a Attic, Ceiling Ins. vented / 8.0	n/a Attic, Ceiling Ins, vented / 8.0	n/a Attic, Ceiling Ins, vented /
Isolation Zones Pipe Insulation Duct Location/ R-value	122(g) 123 124	n/a	n/a	n/a
Isolation Zones Pipe Insulation Duct Location/ R-value PRESCRIPTIVE MEASURES	122(g) 123 124	n/a Attic, Ceiling Ins. vented / 8.0	n/a Attic, Ceiling Ins, vented / 8.0	n/a 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	n/a Attic, Ceiling Ins, vented / 8.0	n/a 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 124,200 Btu/hr n/a 72,000 Btu/hr	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr	n/a Attic, Ceiling Ins, vented / n/a 733,480 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 124,200 Btu/hr n/a	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr n/a	n/a Attic, Ceiling Ins, vented / n/a 733,480 Btu/hr n/a
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) 144(a & b) 144(a & b)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 124,200 Btu/hr n/a 72,000 Btu/hr	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr n/a 329,472 Btu/hr	n/a Attic, Ceiling Ins, vented / n/a 733,480 Btu/hr n/a 329,472 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 124,200 Btu/hr n/a 72,000 Btu/hr	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr n/a 329,472 Btu/hr	n/a Attic, Ceiling Ins, vented / n/a 733,480 Btu/hr n/a 329,472 Btu/hr
Pripe 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)	n/a Attic, Ceiling Ins, vented / 8.0 n/a 124,200 Btu/hr n/a 72,000 Btu/hr Constant Volume	n/a Attic, Ceiling Ins, vented / 8.0 n/a 733,480 Btu/hr n/a 329,472 Btu/hr Constant Volume	n/a Attic, Ceiling Ins, vented / n/a 733,480 Btu/hr n/a 329,472 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)	n/a Attic, Ceiling Ins. vented / 8.0 n/a 124,200 Btu/hr n/a 72,000 Btu/hr Constant Volume	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 Attic, Ceiling Ins, vented / n/a 733,480 Btu/hr n/a 329,472 Btu/hr Constant Volume Yes
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 124,200 Btu/hr n/a 72,000 Btu/hr Constant Volume Yes No	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 Attic, Ceiling Ins, vented / n/a 733,480 Btu/hr n/a 329,472 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 124,200 Btu/hr n/a 72,000 Btu/hr Constant Volume Yes No No Economizer	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 Attic, Ceiling Ins, vented / n/a 733,480 Btu/hr n/a 329,472 Btu/hr Constant Volume Yes No No Economizer
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 124,200 Btu/hr n/a 72,000 Btu/hr Constant Volume Yes No No Economizer Constant Temp	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 Attic, Ceiling Ins, vented / n/a 733,480 Btu/hr n/a 329,472 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 124,200 Btu/hr n/a 72,000 Btu/hr Constant Volume Yes No No Economizer Constant Temp	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 Attic, Ceiling Ins, vented / n/a 733,480 Btu/hr n/a 329,472 Btu/hr Constant Volume Yes No No Economizer Constant Temp

710 WILSHIRE BOULEVAR
MIXED-USE HOTEL PROJECT
SANTA MONICA - CALIFORNIA, 90401
TITLE 24

DRAWN —

CHECKED —

APPRÔYED —

SCALE —

M-006

DATE
June 25, 2013

PROJECT NUMBER
HLA 0000000-00000