

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD		NRCC-PRF-E
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Project Name:	INGLEWOOD PUBLIC LIBRARY	Date Prepared: 2025-04-07

A. General Information					
1	Project Name	INGLEWOOD PUBLIC LIBRARY			
2	Run Title	INGLEWOOD			
3	Project Location	101 WEST MANCHESTER BLVD.			
4	City	INGLEWOOD	5	Standards Version	Compliance 2022
6	Zip code	90401	7	Compliance Software (version)	CBECC 2022.3.2 (1369)
8	Climate Zone	6	9	Building Orientation (deg)	0
10	Building Type(s)	• Nonresidential	11	Weather File	TORRANCE-MUNI-AP_STYP20.epw
12	Project Scope	• Existing alteration	13	Number of Dwelling Units	0
14	Total Conditioned Floor Area in Scope (ft²)	64720.2	15	Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft²)	7381.47	17	Fuel Type	Natural gas
18	Nonresidential Conditioned Floor Area	64720.2	19	Total # of Stories (Habitable Above Grade)	5
20	Residential Conditioned Floor Area	0			

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B. PROJECT SUMMARY							
Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within the permit application.							
Building Components Complying via Performance					Building Components Complying Prescriptively		
Envelope (See Table G)	Nonres	Not Included	Solar Thermal Water Heating (See Table I3)	<input type="checkbox"/>	Performance	The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).	
	MultiFam	Not Included		<input checked="" type="checkbox"/>	Not Included		
Mechanical (See Table H)	Nonres	Performance	Covered Process: Commercial Kitchens (see Table J)	<input type="checkbox"/>	Performance	Indoor Lighting (Unconditioned) 140.6 & 170.2(e)	NRCC-LTI-E is required
	MultiFam	Not Included		<input checked="" type="checkbox"/>	Not Included	Outdoor Lighting 140.7 & 170.2(e)	NRCC-LTO-E is required
Domestic Hot Water (See Table I)	Nonres	Performance	Covered Process: Laboratory Exhaust (see Table J)	<input type="checkbox"/>	Performance	Sign Lighting 140.8 & 170.2(e)	NRCC-LTS-E is required
	MultiFam	Not Included		<input checked="" type="checkbox"/>	Not Included	Building Components Complying with Mandatory Measures	
Lighting (Indoor Conditioned, see Table K)	Nonres	Performance	Photovoltaics (see Table F)	<input type="checkbox"/>	Performance	Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should be documented on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	MultiFam	Not Included		<input checked="" type="checkbox"/>	Not Included	Electrical Power Distribution 110.11	NRCC-ELC-E is required
			Battery (see Table F)	<input type="checkbox"/>	Performance	Commissioning 120.8	NRCC-CXR-E is required
				<input checked="" type="checkbox"/>	Not Included	Solar and Battery 110.10	NRCC-SAB-E is required

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C1. COMPLIANCE SUMMARY			
COMPLIES ³			
	Time Dependent Valuaton (TDV)		Source Energy Use
	Efficiency ¹ (kBtu/ft ² - yr)	Total ² (kBtu/ft ² - yr)	Total ² (kBtu/ft ² - yr)
Standard Design	135.4	n/a	n/a
Proposed Design	114.77	n/a	n/a
Compliance Margins	20.63	n/a	n/a
	Pass	n/a	n/a
¹ Efficiency measures include improvements like a better building envelope and more efficient equipment ² Compliance Totals include efficiency, photovoltaics and batteries ³ New Construction, Complete Addition Scope: Building complies when all efficiency and total compliance margins are greater than or equal to zero and unmet load hour limits are not exceeded Existing, Addition and Alteration Scope: Building complies when efficiency compliance margin is greater than or equal to zero and unmet load hour limits are not exceeded			

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C2. TDV ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft² - yr)			
COMPLIES²			
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)¹
Space Heating	19.02	17.55	1.47
Space Cooling	51.65	28.56	23.09
Indoor Fans	15.88	25.99	-10.11
Heat Rejection	0	0	0
Pumps & Misc.	0.09	0.42	-0.33
Domestic Hot Water	10.66	4.57	6.09
Indoor Lighting	38.1	37.68	0.42
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	135.4	114.77	20.63 (15.2%)
Photovoltaics	---	---	---
Batteries	---	---	---
TOTAL COMPLIANCE	135.4	114.77	20.63 (15.2%)
¹ Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.			

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C3. TDV ENERGY RESULTS FOR NON-REGULATED COMPONENTS¹			
Non-Regulated Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)¹
Receptacle	94.29	94.29	---
Process	---	---	---
Other Ltg	0.07	0.07	---
Process Motors	3.75	2.27	1.48
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	233.51	211.4	22.11 (9.5%)
¹ Notes: This table is not used for Energy Code Compliance.			

C6. 'ABOVE CODE' QUALIFICATIONS	
<input type="checkbox"/> This project is pursuing CalGreen Tier 1	<input type="checkbox"/> This project is pursuing CalGreen Tier 2

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C7. ENERGY USE SUMMARY						
Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	0	0	0	439.3	409.2	30.1
Space Cooling	100.6	52.6	48	---	---	---
Indoor Fans	35.1	57.1	-22	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	0.2	1	-0.8	---	---	---
Domestic Hot Water	23.3	---	---	37.9	116	-78.1
Indoor Lighting	95.8	94.6	1.2	---	---	---
Flexibility	---	---	---	---	---	---
EFFICIENCY TOTAL	255	205.3	49.7	477.2	525.2	-48
Photovoltaics	---	---	---	---	---	---
Batteries	---	---	---	---	---	---
ENERGY USE SUBTOTAL	255	205.3	49.7	477.2	525.2	-48
Receptacle	246.1	246.1	0	---	---	---
Process	---	---	---	---	---	---
Other Ltg	0.2	0.2	0	---	---	---
Process Motors	8.5	5.2	3.3	---	---	---
ENERGY USE TOTAL	509.8	456.8	53	477.2	525.2	-48

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C8. ENERGY USE INTENSITY (EUI)				
	Standard Design (kBtu/ft² / yr)	Proposed Design (kBtu/ft² / yr)	Margin (kBtu/ft² / yr)	Margin Percentage
GROSS EUI ¹	30.74	28.9	1.84	5.99
NET EUI ¹	30.74	28.9	1.84	5.99
¹ Notes: Gross EUI is Energy Use Total (not including PV)/Total Building Area. Net EUI is Energy Use Total (including PV)/Total Building Area.				

D1. EXCEPTIONAL CONDITIONS
<ul style="list-style-type: none"> • The aged solar reflectance and aged thermal emittance must be listed in the Cool Roof Rating Council database of certified products. For projects where initial reflectance is used, the initial reflectance must be listed, and the aged reflectance is calculated by the software program and used in the compliance model. • The project includes windows which have been classified as clerestory windows. Please verify that clerestories are present, and that daylighting controls are present for these areas. Clerestory windows do not trigger mandatory daylighting control requirements, and may allow users to claim PAF credit for daylighting controls in areas illuminated by clerestories. . • The user model includes space(s) that are designed to be served by mechanical cooling systems, but the cooling systems were not included in the simulation model. A cooling system has been modeled for both the proposed and standard cases. • The user model includes space(s) without sufficient cooling equipment. Cooling equipment has been added to the model to meet cooling loads.

H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)											
01	02	03	04	05	06	07	08	09	10	11	12
Equipment Name	Equipment Type	Qty	Heating				Cooling			Economizer Type (if present)	Status ¹
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency		
AS AH 1&2	Variable Air Volume Air System	1	1826.5	0	N/A	NA - See Boiler	2300	N/A	NA - See Chiller	Fixed DB	N
¹ Status: N - New, A - Altered, E - Existing											

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H1. DRY SYSTEM EQUIPMENT (FURNACES, AIR HANDLING UNITS, HEAT PUMPS, VRF, ECONOMIZERS ETC.)											
01	02	03	04	05	06	07	08	09	10	11	12
Equipment Name	Equipment Type	Qty	Heating				Cooling			Economizer Type (if present)	Status ¹
			Total Heating Output (kBtu/h)	Supp Heat Output (kBtu/h)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency		
AS ODU 2	Single Zone Heat Pump (SZHP) Air System	1	28	0	COP HSPF	4.35 10	24	EER SEER	12.2 24.1	No Economizer	N
AS ODU 3	Single Zone Heat Pump (SZHP) Air System	1	38	0	COP HSPF	4.35 10	42	EER SEER	12.2 24.1	No Economizer	N
AS VFC 1 4	Package SZ VAV AC Air System	1	0	0	N/A	NA	24	N/A	NA - See Chiller	No Economizer	N
AS VFC 1 5	Package SZ VAV AC Air System	1	0	0	N/A	NA	24	N/A	NA - See Chiller	No Economizer	N
AS VFC 2 1	Package SZ VAV AC Air System	1	0	0	N/A	NA	24	N/A	NA - See Chiller	No Economizer	N
AS VFC 2 2	Package SZ VAV AC Air System	1	0	0	N/A	NA	24	N/A	NA - See Chiller	No Economizer	N
AS VFC 3 1	Package SZ VAV AC Air System	1	0	0	N/A	NA	24	N/A	NA - See Chiller	No Economizer	N
AS VFC 3 2	Package SZ VAV AC Air System	1	0	0	N/A	NA	24	N/A	NA - See Chiller	No Economizer	N
AS VFC 4 1	Package SZ VAV AC Air System	1	0	0	N/A	NA	24	N/A	NA - See Chiller	No Economizer	N
AS VFC 4 2	Package SZ VAV AC Air System	1	0	0	N/A	NA	24	N/A	NA - See Chiller	No Economizer	N
AS VFC 4 3	Package SZ VAV AC Air System	1	0	0	N/A	NA	48	N/A	NA - See Chiller	No Economizer	N
¹ Status: N - New, A - Altered, E - Existing											

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H3. NONRESIDENTIAL / COMMON USE AREA FAN SYSTEMS SUMMARY												
01	02	03	04	05	06	07	08	09	10	11	12	13
Name or Item Tag	Qty	Design OA CFM	Supply Fan				Return / Relief Fan					Status ¹
			CFM	Power	Power Units	Control	Fan Type	CFM	Power	Power Units	Control	
AS AH 1&2	1	11648.4	80,000	3.7	InH2O	VSD	N/A	80,000	1.5	InH2O	VSD	N
AS ODU 2	1	22.8	710	0.15	InH2O	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
AS ODU 3	1	13.35	710	0.15	InH2O	Constant Vol	N/A	N/A	N/A	N/A	N/A	N
AS VFC 1 4	1	15.83	600	0.05	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N
AS VFC 1 5	1	35	600	0.05	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N
AS VFC 2 1	1	18.97	600	0.05	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N
AS VFC 2 2	1	16.5	600	0.05	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N
AS VFC 3 1	1	15.61	600	0.05	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N
AS VFC 3 2	1	10.43	600	0.05	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N
AS VFC 4 1	1	18.73	600	0.05	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N
AS VFC 4 2	1	10.5	600	0.05	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N
AS VFC 4 3	1	7.69	1,200	0.05	InH2O	VSD	N/A	N/A	N/A	N/A	N/A	N
¹ Status: N - New, A - Altered, E - Existing												

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H5. GENERAL EXHAUST FAN SUMMARY							
01	02	03	04	05	06	07	08
System ID	Zone Name	Qty	CFM	Power	Power Units	Continuous Operation?	Status ¹
AS EF 1 2	ZE V 2 3 ZE EF 1 2	1	1000	0.17	InH2O	No	N
AS EF 1 3	ZE EF 1 3	1	800	0.18	InH2O	No	N
AS EF 1 4	ZE EF 1 4	1	900	0.17	InH2O	No	N
AS EF 2 1	ZE EF 2 1	1	1200	0.17	InH2O	No	N
AS EF 2 2	ZE EF 2 2	1	350	0.35	BHP	No	N
AS EF 2 3	ZE EF 2 3	1	325	0.35	BHP	No	N
AS EF 2 4	ZE EF 2 4	1	325	0.3	BHP	No	N
¹ Status: N - New, A - Altered, E - Existing							

H6. WET SYSTEM EQUIPMENT (boilers, chillers, cooling towers, etc.)									
01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Equipment Type	Parent Fluid System Name	Qty	Vol (gal)	Rated Capacity	Capacity Unit	Rating	Rating Unit	Status ¹
B-1	Hot Water	HHW LOOP	1	N/A	1,990	kBtu/Hr	0.9	TE	N
EXISTING CHILLER	Scroll	CHW	1	N/A	2,600	kBtu/Hr	15	EER	E
¹ Status: N - New, A - Altered, E - Existing									

H7. PUMPS							
01	02	03	04	05	06	07	08
Name or Item Tag	Parent Equipment	Qty	Power	Power Units	GPM	VSD	Status ¹
EXISTING CHW PUMP	EXISTING CHILLER	1	2.5	BHP	380	<input checked="" type="checkbox"/>	E
¹ Status: N - New, A - Altered, E - Existing							

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H7. PUMPS							
01	02	03	04	05	06	07	08
Name or Item Tag	Parent Equipment	Qty	Power	Power Units	GPM	VSD	Status ¹
SECONDARY PUMP	HHW LOOP	1	5	BHP	200	<input checked="" type="checkbox"/>	N
¹ Status: N - New, A - Altered, E - Existing							

H8. SYSTEM SPECIAL FEATURES			
01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n) ¹	Other Special Features and Controls
AS AH 1&2	Variable Air Volume Air System	N/A	DDC Controls Dual Maximum Reheat Controls Zone(s) With CO2 Sensor Vent. Control Supply Air Temp. Reset on Outside Air Temp. Optimum Start Fixed DB
AS ODU 2	Single Zone Heat Pump (SZHP) Air System	N/A	Fixed Supply Air Temp. Optimum Start
AS ODU 3	Single Zone Heat Pump (SZHP) Air System	N/A	Fixed Supply Air Temp. Optimum Start
AS VFC 1 4	Package SZ VAV AC Air System	N/A	Optimum Start
AS VFC 1 5	Package SZ VAV AC Air System	N/A	Optimum Start
AS VFC 2 1	Package SZ VAV AC Air System	N/A	Optimum Start
AS VFC 2 2	Package SZ VAV AC Air System	N/A	Optimum Start
AS VFC 3 1	Package SZ VAV AC Air System	N/A	Optimum Start
AS VFC 3 2	Package SZ VAV AC Air System	N/A	Optimum Start
AS VFC 4 1	Package SZ VAV AC Air System	N/A	Optimum Start
Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.			
¹ Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.			

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H8. SYSTEM SPECIAL FEATURES			
01	02	03	04
System Name	Equipment Type	Interlocks per 140.4(n)¹	Other Special Features and Controls
AS VFC 4 2	Package SZ VAV AC Air System	N/A	Optimum Start
AS VFC 4 3	Package SZ VAV AC Air System	N/A	Optimum Start
CHW	Chilled Water System	N/A	DDC Controls Fixed Temperature Control
HHW LOOP	Hot Water System	N/A	DDC Controls Fixed Temperature Control
DOMESTIC HOT WATER	Service Hot Water	N/A	Fixed Temperature Control
<i>Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.</i>			
¹ Yes = interlocks are provided, No = interlocks are not provided, NA means no operable openings.			

H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION						
01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
ZE V 1 1	General - Break rooms Misc - All others	20.26	350.41	0	942.23	DCV
ZE V 1 2	General - Corridors	3.56	106.86	0	712.4	N/A
ZE V 1 3	Assembly - Libraries (reading rooms and stack areas)	17.86	267.94	0	1786.23	N/A
ZE V 1 4	Assembly - Libraries (reading rooms and stack areas)	13.44	201.66	0	1344.42	N/A
ZE V 1 5	Office - Office space	9.4	282.08	0	1880.56	N/A
ZE V 1 6	Office - Office space	11.37	341.15	0	2274.35	N/A
ZE V 1 7	Office - Office space	4.37	131.11	0	874.1	N/A

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H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION						
01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
ZE V 2 1	Office - Main entry lobbies	22.09	331.3	0	662.59	DCV
ZE V 2 10	Assembly - Libraries (reading rooms and stack areas) Office - Office space	15.1	234.47	0	1563.16	N/A
ZE V 2 11	Assembly - Libraries (reading rooms and stack areas)	8.93	133.89	0	892.57	N/A
ZE V 2 12	Assembly - Libraries (reading rooms and stack areas)	6.5	97.53	0	650.2	N/A
ZE V 2 13	Office - Office space	1.74	52.08	0	347.17	N/A
ZE V 2 14	Office - Office space	0.68	20.25	0	135	N/A
ZE V 2 15	Office - Office space	1.64	49.17	0	327.83	N/A
ZE V 2 16	Assembly - Libraries (reading rooms and stack areas)	5.18	77.7	0	518.03	N/A
ZE V 2 17	Education - Classrooms (ages 9-18)	22.79	346.47	0	911.76	DCV
ZE V 2 18	General - Conference/meeting Misc - All others	45.21	716.2	0	1629.89	DCV
ZE V 2 19	Assembly - Libraries (reading rooms and stack areas)	8.09	121.33	0	808.84	N/A
ZE V 2 2A	Office - Main entry lobbies	15.14	227.04	0	454.07	DCV
ZE V 2 20	Office - Office space	0.46	13.71	0	91.41	N/A

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01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
ZE V 2 21	Office - Office space Assembly - Libraries (reading rooms and stack areas)	7.29	138.38	0	922.56	N/A
ZE V 2 22	Assembly - Libraries (reading rooms and stack areas)	10.39	155.79	0	1038.57	N/A
ZE V 2 23	Assembly - Libraries (reading rooms and stack areas)	8.41	126.11	0	840.75	N/A
ZE V 2 24	Assembly - Libraries (reading rooms and stack areas)	10.47	157.09	0	1047.3	N/A
ZE V 2 3	Assembly - Libraries (reading rooms and stack areas) General - Break rooms	12.75	191.24	200	937.19	DCV
ZE V 2 4	Assembly - Libraries (reading rooms and stack areas)	6.79	101.83	0	678.85	N/A
ZE V 2 5	Office - Office space Assembly - Libraries (reading rooms and stack areas)	8.62	138.42	0	922.77	N/A
ZE V 2 6	Office - Office space	0.73	21.83	0	145.54	N/A
ZE V 2 7	Office - Office space	0.76	22.71	0	151.39	N/A
ZE V 2 8	Office - Office space	0.94	28.09	0	187.29	N/A

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01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
ZE V 2 9	Assembly - Libraries (reading rooms and stack areas)	17.6	264	0	1760.02	N/A
ZE V 3 1	Education - Classrooms (ages 9-18)	23.82	362.01	0	952.67	DCV
ZE V 3 10	Office - Office space	2.09	62.82	0	418.79	N/A
ZE V 3 11	Office - Office space	0.91	27.37	0	182.47	N/A
ZE V 3 12	Office - Office space	0.97	29.11	0	194.06	N/A
ZE V 3 13	Office - Office space	1.38	41.45	0	276.33	N/A
ZE V 3 14	Office - Office space	1.76	52.88	0	352.52	N/A
ZE V 3 15	Office - Office space	1.77	53.01	0	353.38	N/A
ZE V 3 16	Office - Office space	0.64	19.32	0	128.8	N/A
ZE V 3 17	Office - Office space	1.47	44.1	0	294	N/A
ZE V 3 18	Office - Office space	0.97	29.11	0	194.06	N/A
ZE V 3 19	Office - Office space	1.01	30.38	0	202.51	N/A
ZE V 3 2	Education - Classrooms (ages 9-18)	16.28	247.51	0	651.35	DCV
ZE V 3 20	Assembly - Libraries (reading rooms and stack areas)	26.19	392.9	0	2619.32	N/A
ZE V 3 21	Assembly - Libraries (reading rooms and stack areas)	8.81	132.18	0	881.19	N/A
ZE V 3 22	Assembly - Libraries (reading rooms and stack areas) General - Corridors	9.45	145.91	0	972.71	N/A
ZE V 3 3	Office - Office space	0.97	29.12	0	194.1	N/A

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H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION						
01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
ZE V 3 4	Office - Office space	0.68	20.55	0	137	N/A
ZE V 3 5	General - Conference/meeting	10.02	150.22	0	300.44	DCV
ZE V 3 6	Office - Office space	5.67	170.11	0	1134.05	N/A
ZE V 3 7	Education - Classrooms (ages 9-18)	38.93	591.79	0	1557.34	DCV
ZE V 3 8	Assembly - Libraries (reading rooms and stack areas) Office - Office space NA	29.89	457.54	0	3401.93	N/A
ZE V 3 9A	Education - Classrooms (ages 9-18)	24.37	370.42	0	974.78	DCV
ZE V 4 1	Assembly - Libraries (reading rooms and stack areas)	7.54	113.08	0	753.9	N/A
ZE V 4 10	Office - Office space	1.61	48.33	0	322.22	N/A
ZE V 4 11	Office - Office space	2.51	75.34	0	502.27	N/A
ZE V 4 12	Office - Breakrooms	12.55	188.31	0	376.62	DCV
ZE V 4 13	Office - Office space	0.95	28.43	0	189.54	N/A
ZE V 4 14	Assembly - Libraries (reading rooms and stack areas)	19.02	285.25	0	1901.66	N/A
ZE V 4 15	Assembly - Libraries (reading rooms and stack areas) General - Corridors	13.66	209.65	0	1397.64	N/A
ZE V 4 16	Office - Office space	0.79	23.59	0	157.28	N/A
ZE V 4 17	Office - Office space	0.85	25.44	0	169.63	N/A

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H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION						
01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
ZE V 4 18	Office - Office space	0.77	23.19	0	154.62	N/A
ZE V 4 19	Office - Breakrooms	9.64	144.61	0	289.23	DCV
ZE V 4 2	Assembly - Libraries (reading rooms and stack areas)	7.34	110.15	0	734.31	N/A
ZE V 4 20	Office - Office space	1.53	45.89	0	305.93	N/A
ZE V 4 21	Misc - All others	0.26	26.05	0	173.66	N/A
ZE V 4 22	Assembly - Libraries (reading rooms and stack areas)	9.09	136.36	0	909.08	N/A
ZE V 4 23	Office - Office space Assembly - Libraries (reading rooms and stack areas) NA	10.49	167.34	0	1456.58	N/A
ZE V 4 24	Assembly - Libraries (reading rooms and stack areas) Office - Office space	5.36	87.8	0	585.32	N/A
ZE V 4 3	Assembly - Libraries (reading rooms and stack areas)	8.68	130.15	0	867.65	N/A
ZE V 4 4	Assembly - Libraries (reading rooms and stack areas)	11.95	179.25	0	1195.01	N/A
ZE V 4 5	Assembly - Libraries (reading rooms and stack areas)	11.33	169.9	0	1132.65	N/A

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H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION						
01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
ZE V 4 6	Assembly - Libraries (reading rooms and stack areas)	13.42	201.24	0	1341.57	N/A
ZE V 4 7	General - Conference/meeting	12.64	189.56	0	379.12	DCV
ZE V 4 8	Office - Office space	1.43	42.87	0	285.79	N/A
ZE V 4 9	Office - Office space	2.96	88.95	0	593	N/A
ZE VFC 1 2	Misc - All others	0.23	22.8	0	151.98	N/A
ZE VFC 1 3	Misc - All others	0.13	13.35	0	88.97	N/A
ZE VFC 1 4	Misc - All others	0.16	15.83	0	105.54	N/A
ZE VFC 1 5	Misc - All others	0.35	35	0	233.34	N/A
ZE VFC 2 1	Misc - All others	0.19	18.97	0	126.46	N/A
ZE VFC 2 2	Misc - All others	0.17	16.5	0	110.01	N/A
ZE VFC 3 1	Misc - All others	0.16	15.61	0	104.05	N/A
ZE VFC 3 2	Misc - All others	0.1	10.43	0	69.55	N/A
ZE VFC 4 1	Misc - All others	0.19	18.73	0	124.9	N/A
ZE VFC 4 2	Misc - All others	0.1	10.5	0	69.99	N/A
ZE VFC 4 3	Misc - All others	0.08	7.69	0	51.3	N/A
ZE EF 1 2	Exhaust - Toilets, public	3.15	0	800	630.46	N/A
ZE EF 1 3	Exhaust - Toilets, public	3.61	0	800	722.61	N/A
ZE EF 1 4	Exhaust - Toilets, public	4.37	0	900	873.19	N/A
ZE EF 2 1	Exhaust - Toilets, public Exhaust - Storage rooms, chemical	2.99	0	1200	638.09	N/A
ZE EF 2 2	Exhaust - Toilets, public Exhaust - Storage rooms, chemical	0.74	0	350	173.77	N/A

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H9. NONRESIDENTIAL / COMMON USE AREA & HOTEL/MOTEL VENTILATION						
01	02	03	04	05	06	07
Zone Name	Mechanical Ventilation				Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# of People	Supply OA CFM	Exhaust CFM		
ZE EF 2 3	Exhaust - Toilets, public Exhaust - Storage rooms, chemical	0.55	0	325	215.81	N/A
ZE EF 2 4	Exhaust - Toilets, public Exhaust - Storage rooms, chemical	0.59	0	325	243.08	N/A

H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY											
01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	MIn.	Min. Ratio	Power	Power Units	Cycles	
TU V 1 1	Variable Air Volume Reheat Box	1	20.5	N/A	1,075	510	0.47	N/A	N/A	N/A	<input type="checkbox"/>
TU V 1 2	Variable Air Volume Reheat Box	1	4.6	N/A	225	110	0.49	N/A	N/A	N/A	<input type="checkbox"/>
TU V 1 3	Variable Air Volume Reheat Box	1	14.3	N/A	750	335	0.45	N/A	N/A	N/A	<input type="checkbox"/>
TU V 1 4	Variable Air Volume Reheat Box	1	14.3	N/A	750	335	0.45	N/A	N/A	N/A	<input type="checkbox"/>
TU V 1 5	Variable Air Volume Reheat Box	1	17.2	N/A	900	300	0.33	N/A	N/A	N/A	<input type="checkbox"/>
TU V 1 6	Variable Air Volume Reheat Box	1	17.2	N/A	900	350	0.39	N/A	N/A	N/A	<input type="checkbox"/>
TU V 1 7	Variable Air Volume Reheat Box	1	10.7	N/A	550	140	0.25	N/A	N/A	N/A	<input type="checkbox"/>

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H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY											
01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
TU V 2 1	Variable Air Volume Reheat Box	1	45.5	N/A	2,400	480	0.2	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 2A	Variable Air Volume Reheat Box	1	67.4	N/A	3,200	720	0.23	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 3	Variable Air Volume Reheat Box	1	25.8	N/A	1,345	260	0.19	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 4	Variable Air Volume Reheat Box	1	36.5	N/A	1,965	220	0.11	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 5	Variable Air Volume Reheat Box	1	36.5	N/A	1,965	220	0.11	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 6	Variable Air Volume Reheat Box	1	5.8	N/A	300	40	0.13	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 7	Variable Air Volume Reheat Box	1	5.8	N/A	300	40	0.13	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 8	Variable Air Volume Reheat Box	1	5	N/A	250	40	0.16	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 9	Variable Air Volume Reheat Box	1	25.8	N/A	1,345	260	0.19	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 10	Variable Air Volume Reheat Box	1	25.9	N/A	1,345	260	0.19	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 11	Variable Air Volume Reheat Box	1	25.9	N/A	1,345	260	0.19	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 12	Variable Air Volume Reheat Box	1	31.5	N/A	1,650	220	0.13	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 13	Variable Air Volume Reheat Box	1	20.9	N/A	1,100	110	0.1	N/A	N/A	N/A	<input type="checkbox"/>

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H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY											
01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
TU V 2 14	Variable Air Volume Reheat Box	1	9.6	N/A	500	70	0.14	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 15	Variable Air Volume Reheat Box	1	20.1	N/A	1,050	110	0.1	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 16	Variable Air Volume Reheat Box	1	25.9	N/A	1,345	260	0.19	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 17	Variable Air Volume Reheat Box	1	39.9	N/A	2,100	470	0.22	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 18	Variable Air Volume Reheat Box	1	25.9	N/A	1,345	725	0.54	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 19	Variable Air Volume Reheat Box	1	10.7	N/A	550	170	0.31	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 20	Variable Air Volume Reheat Box	1	2	N/A	100	20	0.2	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 21	Variable Air Volume Reheat Box	1	34.2	N/A	1,800	220	0.12	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 22	Variable Air Volume Reheat Box	1	37.6	N/A	1,965	220	0.11	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 23	Variable Air Volume Reheat Box	1	25.8	N/A	1,345	260	0.19	N/A	N/A	N/A	<input type="checkbox"/>
TU V 2 24	Variable Air Volume Reheat Box	1	25.8	N/A	1,345	260	0.19	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 1	Variable Air Volume Reheat Box	1	44.8	N/A	2,350	490	0.21	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 2	Variable Air Volume Reheat Box	1	35.7	N/A	1,875	690	0.37	N/A	N/A	N/A	<input type="checkbox"/>

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H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY											
01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
TU V 3 3	Variable Air Volume Reheat Box	1	17.2	N/A	900	110	0.12	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 4	Variable Air Volume Reheat Box	1	12.6	N/A	650	70	0.11	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 5	Variable Air Volume Reheat Box	1	22.1	N/A	1,150	230	0.2	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 6	Variable Air Volume Reheat Box	1	41	N/A	2,150	220	0.1	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 7	Variable Air Volume Reheat Box	1	35.7	N/A	1,300	940	0.72	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 8	Variable Air Volume Reheat Box	1	48.6	N/A	2,550	680	0.27	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 9A	Variable Air Volume Reheat Box	1	53.2	N/A	2,800	420	0.15	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 10	Variable Air Volume Reheat Box	1	26.6	N/A	1,400	210	0.15	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 11	Variable Air Volume Reheat Box	1	20.1	N/A	1,050	110	0.1	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 12	Variable Air Volume Reheat Box	1	19	N/A	1,000	110	0.11	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 13	Variable Air Volume Reheat Box	1	17.2	N/A	900	110	0.12	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 14	Variable Air Volume Reheat Box	1	22.9	N/A	1,200	160	0.13	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 15	Variable Air Volume Reheat Box	1	16.4	N/A	850	110	0.13	N/A	N/A	N/A	<input type="checkbox"/>

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H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY											
01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
TU V 3 16	Variable Air Volume Reheat Box	1	9.6	N/A	500	70	0.14	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 17	Variable Air Volume Reheat Box	1	19	N/A	1,000	110	0.11	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 18	Variable Air Volume Reheat Box	1	12.6	N/A	650	70	0.11	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 19	Variable Air Volume Reheat Box	1	12.6	N/A	650	70	0.11	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 20	Variable Air Volume Reheat Box	1	24	N/A	1,250	400	0.32	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 21	Variable Air Volume Reheat Box	1	24	N/A	1,250	160	0.13	N/A	N/A	N/A	<input type="checkbox"/>
TU V 3 22	Variable Air Volume Reheat Box	1	14.5	N/A	750	200	0.27	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 1	Variable Air Volume Reheat Box	1	33.8	N/A	1,765	230	0.13	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 2	Variable Air Volume Reheat Box	1	33.8	N/A	1,765	230	0.13	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 3	Variable Air Volume Reheat Box	1	33.8	N/A	1,765	230	0.13	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 4	Variable Air Volume Reheat Box	1	44	N/A	2,320	300	0.13	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 5	Variable Air Volume Reheat Box	1	44	N/A	2,320	300	0.13	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 6	Variable Air Volume Reheat Box	1	47.4	N/A	2,500	300	0.12	N/A	N/A	N/A	<input type="checkbox"/>

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H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY											
01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
TU V 4 7	Variable Air Volume Reheat Box	1	19	N/A	1,000	290	0.29	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 8	Variable Air Volume Reheat Box	1	19	N/A	1,000	110	0.11	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 9	Variable Air Volume Reheat Box	1	30	N/A	1,550	780	0.5	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 10	Variable Air Volume Reheat Box	1	7.3	N/A	375	50	0.13	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 11	Variable Air Volume Reheat Box	1	29.7	N/A	1,550	160	0.1	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 12	Variable Air Volume Reheat Box	1	16.4	N/A	850	330	0.39	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 13	Variable Air Volume Reheat Box	1	3.1	N/A	150	30	0.2	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 14	Variable Air Volume Reheat Box	1	21.3	N/A	1,115	330	0.3	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 15	Variable Air Volume Reheat Box	1	21.3	N/A	1,115	330	0.3	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 16	Variable Air Volume Reheat Box	1	5.4	N/A	275	40	0.15	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 17	Variable Air Volume Reheat Box	1	5.4	N/A	275	40	0.15	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 18	Variable Air Volume Reheat Box	1	3.1	N/A	150	30	0.2	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 19	Variable Air Volume Reheat Box	1	20.9	N/A	1,100	230	0.21	N/A	N/A	N/A	<input type="checkbox"/>

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H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY											
01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	MIn.	Min. Ratio	Power	Power Units	Cycles	
TU V 4 20	Variable Air Volume Reheat Box	1	22.9	N/A	1,200	240	0.2	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 21	Variable Air Volume Reheat Box	1	11.5	N/A	600	70	0.12	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 22	Variable Air Volume Reheat Box	1	38	N/A	2,000	400	0.2	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 23	Variable Air Volume Reheat Box	1	28.5	N/A	1,500	300	0.2	N/A	N/A	N/A	<input type="checkbox"/>
TU V 4 24	Variable Air Volume Reheat Box	1	22.9	N/A	1,200	240	0.2	N/A	N/A	N/A	<input type="checkbox"/>
TU ODU 2	Uncontrolled	1	N/A	N/A	710	N/A	0	N/A	N/A	N/A	<input type="checkbox"/>
TU ODU 3	Uncontrolled	1	N/A	N/A	710	N/A	0	N/A	N/A	N/A	<input type="checkbox"/>
TU VFC 1 4	Variable Air Volume No Reheat Box	1	N/A	N/A	600	200	0.33	N/A	N/A	N/A	<input type="checkbox"/>
TU VFC 1 5	Variable Air Volume No Reheat Box	1	N/A	N/A	600	200	0.33	N/A	N/A	N/A	<input type="checkbox"/>
TU VFC 2 1	Variable Air Volume No Reheat Box	1	N/A	N/A	600	200	0.33	N/A	N/A	N/A	<input type="checkbox"/>
TU VFC 2 2	Variable Air Volume No Reheat Box	1	N/A	N/A	600	200	0.33	N/A	N/A	N/A	<input type="checkbox"/>
TU VFC 3 1	Variable Air Volume No Reheat Box	1	N/A	N/A	600	200	0.33	N/A	N/A	N/A	<input type="checkbox"/>
TU VFC 3 2	Variable Air Volume No Reheat Box	1	N/A	N/A	600	200	0.33	N/A	N/A	N/A	<input type="checkbox"/>
TU VFC 4 1	Variable Air Volume No Reheat Box	1	N/A	N/A	600	200	0.33	N/A	N/A	N/A	<input type="checkbox"/>

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H11. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY											
01	02	03	04	05	06	07	08	09	10	11	12
System ID	System Type	Qty	Rated Capacity (kBtuh)		Airflow (cfm)			Fan			VSD
			Heating	Cooling	Design	MIn.	Min. Ratio	Power	Power Units	Cycles	
TU VFC 4 2	Variable Air Volume No Reheat Box	1	N/A	N/A	600	200	0.33	N/A	N/A	N/A	<input type="checkbox"/>
TU VFC 4 3	Variable Air Volume No Reheat Box	1	N/A	N/A	1,200	400	0.33	N/A	N/A	N/A	<input type="checkbox"/>

I1. WATER HEATER EQUIPMENT SUMMARY													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input	Rated Input Unit	Efficiency	Efficiency Unit	Tank Insulation R-value Int/Ext	Standby Loss Fraction	1st Hr. Rating or Flow Rate (gal)	Heat Pump Type	Tank Location or Ambient Condition
DHW WATER HEATER	Natural Gas	Storage	1	100	150	kBtu/Hr	0.98	TE	N/A	0.01	N/A	N/A	N/A

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K1. INDOOR CONDITIONED LIGHTING GENERAL INFO					
01	02	03	04	05	06
Occupancy Type¹	Conditioned Floor Area² (ft²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance	
				Area Category Footnotes (Watts)	Area Category Footnotes (Watts)
Classroom, Lecture, or Training Vocational	5047.89	3028.73	0	0	0
Convention, Conference, Multipurpose and Meeting Center	2027.34	1520.5	0	0	0
Corridor	831.14	332.45	0	0	0
Electrical Mechanical Telephone Room	1409.73	563.89	0	0	0
Library - Reading Area	33937	27149.6	0	0	0
Main Entry Lobby	1116.67	781.67	0	0	0
Lounge	1407.96	774.38	0	0	0
Office (250 square feet)	14125.8	8475.5	0	0	0
Restroom	3201.87	2081.21	0	0	0
Commercial Industrial Warehouse	626.99	250.79	0	0	0
Unoccupied Include In Gross Floor Area	692.65	0	0	0	0
GeneralStorage	295.14	118.06	0	0	0
Building Totals:	64720.2	45076.8	0	0	0
¹ See Table 140.6-C ² See NRCC-LTI--E for unconditioned spaces ³ Lighting information for existing spaces modeled is not included in this table					

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K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL
See NRCC-LTI-E for mandatory controls

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	
Selections made by Documentation Author indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online	
Building Component	Form/Title
Mechanical	NRCI-MCH-E - For all buildings with Mechanical Systems
Plumbing	NRCI-PLB-E - For all buildings with Plumbing Systems
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	
Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).	
Building Component	Form/Title & System Name(s)
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Indoor Lighting	NRCA-LTI-04-A - Demand Responsive Lighting Controls.
Mechanical	NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
	AS AH 1&2, AS ODU 2, AS ODU 3, AS VFC 1 4, AS VFC 1 5, AS VFC 2 1, AS VFC 2 2, AS VFC 3 1, AS VFC 3 2, AS VFC 4 1, AS VFC 4 2 and AS VFC 4 3.
Mechanical	NRCA-MCH-03-A - Constant Volume Single Zone HVAC
	AS ODU 2 and AS ODU 3.
Mechanical	NRCA-MCH-04(a)-H - Air Distribution Duct Leakage - HERS Verification required
	AS ODU 2 and AS ODU 3.
Mechanical	NRCA-MCH-05-A - Air Economizer Controls
	AS AH 1&2

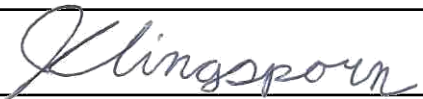
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M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	
Selections made by Documentation Author indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP).	
Building Component	Form/Title & System Name(s)
Mechanical	NRCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.
	AS AH 1&2
Mechanical	NRCA-MCH-07-A Supply Fan Variable Flow Controls
	AS AH 1&2, AS VFC 1 4, AS VFC 1 5, AS VFC 2 1, AS VFC 2 2, AS VFC 3 1, AS VFC 3 2, AS VFC 4 1, AS VFC 4 2 and AS VFC 4 3.
Mechanical	NRCA-MCH-08-A Valve Leakage Test
	HHW LOOP
Mechanical	NRCA-MCH-10-A Hydronic System Variable Flow Controls
	HHW LOOP
Mechanical	NRCA-MCH-11-A Automatic Demand Shed Controls
	AS AH 1&2, HHW LOOP
Mechanical	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units
	AS AH 1&2
Mechanical	NRCA-MCH-16-A Supply Air Temperature Reset Controls
	AS AH 1&2
Mechanical	NRCA-MCH-19-A Occupancy Sensor Controls
	AS AH 1&2

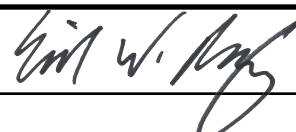
N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION	
Selections made by Documentation Author indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents must be retained and provided to the building inspector during construction and can be found online	
Building Component	Form/Title
Mechanical	NRCV-MCH-04-H Duct Leakage Test
Mechanical	NRCV-MCH-27 Indoor Air Quality & Mechanical Ventilation
Mechanical	NRCV-MCH-32 Local Mechanical Exhaust

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Documentation Author's Declaration Statement

1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: JARED KLINGSPORN	Documentation Author Signature: 
Company: LPA DESIGN STUDIOS	Signature Date: 04/07/2025
Address: 5301 CALIFORNIA AVE #100	CEA/HERS Certification Identification (if applicable):
City/State/Zip: IRVINE, CA 92617	Phone: 949-261-1001

Responsible Person's Declaration statement

I certify the following under penalty of perjury, under the laws of the State of California:		
<ol style="list-style-type: none"> 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections, and I will take the necessary steps to accomplish this requirement. 6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy, and I will take the necessary steps to accomplish these requirements. 		
Responsible Designer Name: ERIK RING	Responsible Designer Signature: 	
Company: LPA DESIGN STUDIOS	Date Signed: 04/07/2025	
Address: 5301 CALIFORNIA AVE #100	License #:	
City/State/Zip: IRVINE, CA 92617	Title:	Scope:
Phone: 949-261-1001		