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A. G	A. GENERAL INFORMATION							
1.	Project Location (city)	- specify -	8.	Standards Version	Compliance2019			
2.	CA Zip Code		9.	Compliance Software (version)	CBECC-Com 2019.1.0			
3.	Climate Zone	3	10.	Weather File	OAKLAND_724930_CZ2010.epw			
4.	Total Conditioned Floor Area in Scope	113,100 ft ²	11.	Building Orientation (deg)	(N) 0 deg			
5.	Total Unconditioned Floor Area	27,900 ft ²	12.	Permitted Scope of Work	NewComplete			
6.	Total # of Stories (Habitable Above Grade)	5	13	Building Type(s)	Mixed Occupancy			
7.	Total # of dwelling units	88		Gas Type	NaturalGas			

B. PROJECT SUMMARY Table Instructions: 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 permit application. **Building Components Complying via Performance Building Components Complying Prescriptively** Performance □ Performance The following building components are ONLY eligible for prescriptive Covered Process: Commercial compliance and should be documented on the NRCC form listed if within the Envelope scope of the permit application (i.e. compliance will not be shown on the Kitchens Not Included \boxtimes Not Included NRCC-PRF-E). \boxtimes Performance Performance Indoor Lighting (Unconditioned)§140.6 NRCC-LTI -E is required Covered Process: Computer Rooms Mechanical Not Included \boxtimes Not Included Outdoor Lighting §140.7 NRCC-LTO-E is required \boxtimes Performance Performance Sign Lighting §140.8 NRCC -LTS-E is required Covered Process: Laboratory Exhaust Domestic Hot Water Not Included Not Included **Mandatory Measures** Electrical power systems, commissioning and solar ready requirements are Performance mandatory and should be documented on the NRCC form listed if applicable Lighting (Indoor Conditioned) (i.e. compliance will not be shown on the NRCC-PRF-E.) NRCC-ELC-E is required Not Included Electrical Power Distribution S110.11 Performance Commissioning \$120.8 NRCC-CXR-E is required Solar Thermal Water Heating \boxtimes Not Included Solar Ready S110.10 NRCC-SRA-E is required

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C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft 2-yr)

COMPLIES

Facility Commonwell	Chandand Davies (TDV)	Duamaged Davies (TDV)	Canadiana Manain (TDV)
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹
Space Heating	7.23	7.74	-0.51
Space Cooling	14.77	14.24	0.53
Indoor Fans	10.71	10.54	0.17
Heat Rejection			
Pumps & Misc.	0.02	0.08	-0.06
Domestic Hot Water	20.51	20.51	
Indoor Lighting	20.81	20.81	
ENERGY STANDARDS COMPLIANCE TOTAL	74.05	73.92	0.13 (0.2%)

¹ Notes: The number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS¹

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2					
Miscellaneous Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹		
Receptacle	58.15	58.15	0.0		
Process			-		
Other Ltg	39.77	39.77	0.0		
Process Motors	2.10	8.42	6.3		
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	174.07	180.26	-6.2 (-3.6%)		

 $^{^1}$ Notes: This table is used to document compliance with programs OTHER THAN Title 24 Part 6, if applicable.

D. EXCEPTIONAL CONDITIONS

This project includes mechanical ventilation systems for enclosed parking garages having total design exhaust rate greater than or equal to 10,000 cfm. Please verify the design meets the Mandatory Requirements for Enclosed Parking Garages as per Section 120.6 (c).

This project includes Domestic Hot Water in the analysis. Please verify that Domestic Hot Water is included in the design for the permitted scope of work.

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E. HERS VERIFICATION

The following is a summary of the features that must be field-verified by a certified HERS Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below.

- Highrise residential ventilation airflow
- Highrise residential kitchen hood rated by HVI

F. ADDITIONAL REMARKS

This Section Does Not Apply

G. ENVELOPE GENERAL INFORMATION 1 2 3 **Opaque Surfaces & Orientation** Total Gross Surface Area Total Fenestration Area Window to Wall Ratio 9,000 ft² 22.0% North-Facing¹ 1,981 ft² 12,150 ft² 2.677 ft² 22.0% East-Facing² South-Facing³ 9,000 ft² 1,977 ft² 22.0% West-Facing4 12,150 ft² 2,677 ft² 22.0% 42,300 ft² 9,311 ft² 22.0% Total Roof 22,620 ft² 0 ft² 00.0%

Notes:

⁴ West-Facing is oriented to within 45 degrees of true west, including 45°00'00" north of due west (NW), but excluding 45°00'00" south of west (SW).

H. FENESTRATION ASSEMBLY SUMMARY §110.6								
1.	2.	3.	4.	5.	6.	7.	8.	9.
Fenestration Assembly Name / Tag or I.D.	Fenestration Type / Product Type / Frame Type	Certification Method ¹	Assembly Method	Area ft ²	Overall U-factor	Overall SHGC	Overall VT	Status ²
Res Fixed Window	VerticalFenestration FixedWindow N/A	NFRC Rated	Manufactured	8465	0.36	0.25	0.42	N

¹ North-Facing is oriented to within 45 degrees of true north, including 45°00'00" east of north (NE), but excluding 45°00'00" west of north (NW).

² East-Facing is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE).

³ South-Facing is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW), but excluding 45°00'00" east of south (SE).

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H. FENESTRATION ASSEMBLY SUMMARY §110.6									
1.	2.	3.	4.	5.	6.	7.	8.	9.	
Fenestration Assembly Name / Tag or I.D.	Fenestration Type / Product Type / Frame Type	Certification Method ¹	Assembly Method	Area ft ²	Overall U-factor	Overall SHGC	Overall VT	Status ²	
Nonres Fixed Window	VerticalFenestration FixedWindow N/A	NFRC Rated	Manufactured	846	0.36	0.25	0.42	N	

¹ Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.

I. ENVELOPE DETAILS §120.7 & §140.3

11. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3 4		5	6	7	8	9
Surface Name	Surface Type	Description of Assembly Layers Area (ft²) Framing Cavity Continuous U-Factor / F-Factor Type R-Value R-Value / C-Factor		U-Factor / F-Factor / C-Factor	Status ¹			
SlabOnOrBelowGradeF073	UndergroundFloor	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0	27900	NA	0	NA	F-Factor: 0.730	N
ResWoodWallU059	ExteriorWall	Stucco - 7/8 in. Plywood - 5/8 in. Compliance Insulation R1.54 Wood framed wall, 16in. OC, 5.5in., R-5 Gypsum Board - 5/8 in.	33840	Wood	5	2	U-Factor: 0.111	N
WoodFramedInteriorWallU099	InteriorWall	Gypsum Board - 1/2 in. Wood framed wall, 16in. OC, 3.5in., R-11 Gypsum Board - 1/2 in.	66390	Wood	11	NA	U-Factor: 0.099	N
Concrete Podium Roof	Roof	Stone - 1 in. Concrete - 140 lb/ft3 - 10 in.	5280	NA	0	NA	U-Factor: 0.625	N
BelowGradeWallC114	UndergroundWall	Concrete - 140 lb/ft3 - 10 in.	13400	NA	0	NA	C-Factor: 1.351	N
OtherFloorU071	InteriorFloor	Concrete - 140 lb/ft3 - 10 in. Compliance Insulation R6.00 Compliance Insulation R2.15 Compliance Insulation R0.50 Plywood - 5/8 in. Carpet - 3/4 in.	22620	NA	0	9	U-Factor: 0.071	N

² Status: N - New, A - Altered, E - Existing

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I. ENVELOPE DETAILS §120.7 & §140.3

11. OPAQUE SURFACE ASSEMBLY SUMMARY

1	1 2 3		4	5	6	7	8	9
Surface Name	Surface Type	Description of Assembly Layers	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value	U-Factor / F-Factor / C-Factor	Status ¹
WoodFramingAndOtherRoofU028	Roof	Roofing felt - 1/8 in. Building Paper - 1/16 in. Fiberboard sheathing - 1/2 in. Compliance Insulation R0.50 Compliance Insulation R0.02 Compliance Insulation R0.01 Gypsum Board - 1/2 in. Wood framed roof, 16in. OC, 7.25in., R-38	22620	Wood	38	1	U-Factor: 0.032	Ζ
ResWoodFramedTypicalInteriorFloor	InteriorFloor	Gypsum Board - 1/2 in. Wood framed floor, 16in. OC, 5.5in., R-0 Plywood - 5/8 in. Carpet - 3/4 in.	23250	Wood	0	NA	U-Factor: 0.185	N
NonResConcreteExteriorWall	Stucco - 7/8 in. Concrete - 140 lb/ft3 - 8 in. Compliance Insulation R8.07		9	U-Factor: 0.083	N			
ResF2ConcreteInteriorFloor	InteriorFloor	Gypsum Board - 1/2 in. Concrete - 140 lb/ft3 - 4 in. Plywood - 5/8 in. Carpet - 3/4 in.	67230	NA	0	NA	U-Factor: 0.184	N

 $[\]frac{1}{1}$ Status: N - New, A – Altered, E – Existing

12. OVERHANG DETAILS

This Section Does Not Apply

13. OPAQUE DOOR SUMMARY

This Section Does Not Apply

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J. CRRC ROOFING PRODUCT SUMMARY S140.3

This Section Does Not Apply

K. HVAC SYSTEM SUMMARY §110.1 & §110.2

		D	ry System Equipment ¹ (Fan & Economizer inf	fo included below in T	able N)			
1	2	3	4 5 6 7				8	9	10
				Heati	ng		Cooli	St	
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Source (Y/N)	Supp Heat Output (kBtuh)	Efficiency	Total Cooling Output (kBtu/h)	Efficiency	Status ⁵
Parking Garage Vent System	Exhaust (NA)	1	0	No	0	NA	0	NA	N
BaseSys5 F1	PVAV (Packaged3Phase)	1	559	No	0	NA	550	EER-9.8	N
DOAS1	DOASCV (Packaged3Phase)	1	51	Yes	35	HSPF-8.00	48	SEER-15.60 / EER-12.25	N
ZnSys F2-4 1-Bed Core N	SZHP (Split1Phase)	3	11	Yes	8	HSPF-8.200	10	SEER-14.000 / EER-11.400	N
ZnSys F2-4 1-Bed Core West	SZHP (Split1Phase)	6	11	Yes	8	HSPF-8.200	10	SEER-14.000 / EER-11.400	N
ZnSys F2-4 1-Bed Core East	SZHP (Split1Phase)	6	11	Yes	8	HSPF-8.200	10	SEER-14.000 / EER-11.400	N
ZnSys F2-4 1-Bed North	SZHP (Split1Phase)	15	11	Yes	9	HSPF-8.200	10	SEER-14.000 / EER-11.400	N
ZnSys F2-4 2-Bed Core NE-NW	SZHP (Split1Phase)	6	16	Yes	12	HSPF-8.200	15	SEER-14.000 / EER-11.400	N
ZnSys F2-4 2-Bed East	SZHP (Split1Phase)	9	16	Yes	12	HSPF-8.200	15	SEER-14.000 / EER-11.400	N
ZnSys F2-4 2-Bed West	SZHP (Split1Phase)	9	16	Yes	12	HSPF-8.200	15	SEER-14.000 / EER-11.400	N
ZnSys F2-4 3-Bed NE	SZHP (Split1Phase)	3	21	Yes	16	HSPF-8.200	20	SEER-14.000 / EER-11.400	N

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K1. Dry System Equipment (furnaces, air handling units, heat pumps, VRF, etc.) Dry System Equipment ¹ (Fan & Economizer info included below in Table N) 1 2 3 4 5 6 7 8 9 10 Cooling Heating **Equipment Name Equipment Type** Qty **Total Heating Output Supp Heat Source Supp Heat Output Total Cooling** Efficiency Efficiency (kBtu/h) (Y/N) (kBtuh) Output (kBtu/h) SEER-14.000 / ZnSys F2-4 3-Bed NW SZHP (Split1Phase) 3 21 16 HSPF-8.200 20 Ν Yes EER-11.400 SEER-14.000 / ZnSys F2-4 Studio SE SZHP (Split1Phase) 3 8 Yes 6 HSPF-8.200 8 Ν EER-11.400 SEER-14.000 / 8 ZnSys F2-4 Studio SW SZHP (Split1Phase) 3 Yes 6 HSPF-8.200 8 Ν EER-11.400 SEER-14.000 / Yes 8 ZnSys F5 1-Bed Core N SZHP (Split1Phase) 1 11 HSPF-8.200 10 Ν EER-11.400 ZnSys F5 1-Bed Core SEER-14.000 / SZHP (Split1Phase) 2 Yes 8 11 HSPF-8.200 10 Ν West EER-11.400 ZnSys F5 1-Bed Core SEER-14.000 / SZHP (Split1Phase) 2 11 8 HSPF-8.200 10 Yes Ν EER-11.400 East SEER-14.000 / ZnSys F5 1-Bed North 5 11 9 SZHP (Split1Phase) Yes HSPF-8.200 10 Ν EER-11.400 ZnSys F5 2-Bed Core SEER-14.000 / 12 15 SZHP (Split1Phase) 2 Yes HSPF-8.200 Ν NE-NW EER-11.400 SEER-14.000 / ZnSys F5 2-Bed East SZHP (Split1Phase) 3 16 12 HSPF-8.200 15 Yes Ν EER-11.400 SEER-14.000 / ZnSys F5 2-Bed West 3 16 12 HSPF-8.200 15 SZHP (Split1Phase) Yes Ν EER-11.400 SEER-14.000 / ZnSys F5 3-Bed NE SZHP (Split1Phase) 21 16 HSPF-8.200 20 Yes Ν EER-11.400 SEER-14.000 / ZnSys F5 3-Bed NW SZHP (Split1Phase) 21 16 HSPF-8.200 20 Yes EER-11.400 SEER-14.000 / ZnSys F5 Studio SE SZHP (Split1Phase) 1 8 Yes 6 HSPF-8.200 8 Ν EER-11.400 SEER-14.000 / SZHP (Split1Phase) 8 8 ZnSys F5 Studio SW 1 6 Yes HSPF-8.200 Ν EER-11.400

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		D	ry System Equipment ¹ (Fan & Economizer in	fo included below in T	able N)			
1	2	3	4	5	6	7	8	9	10
			Heating Cooling						
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Source (Y/N)	Supp Heat Output (kBtuh)	Efficiency	Total Cooling Output (kBtu/h)	Efficiency	atus ⁵

1	2	3	4	5	6	7	8	9	10	11	12	13
	System Type	Design OA		Su	pply Fan				Return Fan	•	Farmanian Toma	ठ
Name or Item Tag	packaged, DOAS, etc.	CFM	CFM	ВНР	Watts	Control	CFM	ВНР	Watts	Control	- Economizer Type (if present)	Status ⁵
BaseSys5 F1	PVAV	5952	19012	24.716	19688.2	VariableSpeedDri ve	NA	NA	NA	NA	DifferentialDryBu lb	N
DOAS1	DOASCV	1611	1611	0.647	564.2	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
ZnSys F2-4 1-Bed Core N	SZHP	0	379	0.152	132.5	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F2-4 1-Bed Core West	SZHP	0	379	0.152	132.5	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F2-4 1-Bed Core East	SZHP	0	379	0.152	132.5	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F2-4 1-Bed North	SZHP	0	391	0.157	136.9	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F2-4 2-Bed Core NE-NW	SZHP	0	568	0.228	198.8	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F2-4 2-Bed East	SZHP	0	568	0.228	198.8	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F2-4 2-Bed West	SZHP	0	568	0.228	198.8	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F2-4 3-Bed NE	SZHP	0	742	0.298	259.5	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F2-4 3-Bed NW	SZHP	C ₀	742	0.298	259.5	ConstantVolume	NA	NA	NA	NA	NA	N

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K2. ECONOMIZER	& FAN SYSTEMS	SUMMARY	§140.4¹									
1	2	3	4	5	6	7	8	9	10	11	12	13
	System Type	Design OA		Su	pply Fan	•			Return Fan		Economizer Type	St
Name or Item Tag	packaged, DOAS, etc.	CFM	CFM	ВНР	Watts	Control	CFM	ВНР	Watts	Control	(if present)	Status ⁵
ZnSys F2-4 Studio SE	SZHP	0	284	0.114	99.4	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F2-4 Studio SW	SZHP	0	284	0.114	99.4	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F5 1-Bed Core N	SZHP	0	379	0.152	132.5	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F5 1-Bed Core West	SZHP	0	379	0.152	132.5	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F5 1-Bed Core East	SZHP	0	379	0.152	132.5	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F5 1-Bed North	SZHP	0	391	0.157	136.9	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F5 2-Bed Core NE-NW	SZHP	0	568	0.228	198.8	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F5 2-Bed East	SZHP	0	568	0.228	198.8	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F5 2-Bed West	SZHP	0	568	0.228	198.8	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F5 3-Bed NE	SZHP	0	742	0.298	259.5	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F5 3-Bed NW	SZHP	0	742	0.298	259.5	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F5 Studio SE	SZHP	0	284	0.114	99.4	ConstantVolume	NA	NA	NA	NA	NA	N
ZnSys F5 Studio SW	SZHP	0	284	0.114	99.4	ConstantVolume	NA	NA	NA	NA	NA	N
¹ Status: N - New, A – Altere	ed, E – Existing										· · · · · ·	

K3. EXHAUST FAN SUMMARY						
1	2	3	4	5	6	7
System ID	Zone Name	Qty	CFM	Motor BHP	Motor Watts	Total Static Pressure (in H20)
Parking Garage Vent System	Thermal Zone: Parking Garage	1	20,925	19.670	15769.4	3.88

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1	2	3	4	5	6	7	8	9	10	11	12
Name or Item Tag	Equipment Type	Otv	Vol (gal)	Rated Capacity	Efficiency	Standby Loss		Pur	nps	`	Sta
Name of Item Tag	Equipment Type	Qty	voi (gai)	(kBtu/h)	Linciency	Stallaby Loss	Qty	GPM	HP	VSD (Y/N)	tus¹
Nonres Gas Water Heater	Storage	1	5.89	7	EF: 0.67	SBLF: NA	NA	NA	NA	No	N
Nonres Elec Water Heater	Storage	1	24.11	24	UEF: 0.94	SBLF: NA	NA	NA	NA	No	N
Base Blr	HotWater	NA	NA	559	Thrml. Eff: 0.80	NA	1	27.9	0.750	Yes	N
Res Gas Water Heater	Storage	1	100.00	200	Thrml. Eff.: 0.800	0.0200	NA	NA	NA	NA	N

K5. DHW EQUIPME	ENT SUMMARY									
1	2	3	4	5	6	7	8	9	10	11
DHW Name	Heater Element Type	Tank Type	Qty	Tank Vol (gal)	Rated Input (kBtu/h)	Efficiency	Tank Insulation R-value (Int/Ext)	Standby Loss Fraction	Heat Pump Type	Tank Location or Ambient Condition
Nonres Gas Water Heater	Gas	Storage	1	5.89	7	EF: 0.67	NA	SBLF: NA	NA	NA
Nonres Elec Water Heater	Electricity	Storage	1	24.11	24	UEF: 0.94	NA	SBLF: NA	NA	NA
Res Gas Water Heater	Gas	Storage	1	100.00	200	Thrml. Eff.: 0.800	/	0.0200	NA	Unconditioned

K6. MULTI-FAI	K6. MULTI-FAMILY HOTEL/MOTEL CENTRAL DHW SYSTEM DETAILS								§ 110.3					
1.	2.	3.	4.	5.	6.	7.		7.		6. 7.		8.		
			,		Recirculating Pump		Piping Length							
System Name	System Name Configuration Type	Туре	Qty in System	Central Dist. Type	Unit Dist. Type	Efficiency	ВНР	Plenum	Outside	Buried	Add ½" Insulation (HERS)			
Residential DHW System	"DHW System"	Central	1	No Control (continuous pumping)	NA	0.60	(kW)							

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-														
K7. SOLAR H	OT WATE	R HEATI	NG SUMMAR	Υ										
1.							2. Co	llector						
System Name	Manufa	acturer	Brand	Model #	SRRC C	ert Type	Area ft ²	Rated Eff.Curve Slope	Rated Eff.Curve Intercept	Number	Fluid	Angle from true nort (degrees	n ho	pe from rizontal egrees)
Residential DHW System														
K7. SOLAR H	OT WATE	R HEATI	NG SUMMAR	Υ	,		*				,		·	
1.			3. Sof	tware		4	1. Storage		5		6		Confirm	ned
System Na	ame		of program used	Versio	n	Water Heater Tar Volume (gallons		condary Tank ume (gallons)	# of Identica	- 1	Solar Fractio	n Pa	ss	Fail
Residential System											0.20			

K8. SYSTEM FEATURES §120.	2				
1	2	3	4	5	6
System Name	Optimum Start	Window Interlocks per §140.4(n)	Evaporative Cooling	Heat Recovery	Other Controls
BaseSys5 F1	Optimum Start	TBD	No Evaporative Cooler	No Heat Recovery	2 Zones With CO2Sensor Vent. Control, DDC Controls and Single Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset
DOAS1	Optimum Start	TBD	No Evaporative Cooler	No Heat Recovery	No DCV Controls, DDC Controls No Economizer Warmest Zone Supply Air Temp. Reset
Nonresidential Gas DHW System	NA	NA	NA	NA	Fixed Temperature Control, No DDC
Nonresidential Elec DHW System	NA	NA	NA	NA	Fixed Temperature Control, No DDC
BaseHWSystem	NA	NA	NA	NA	Fixed Temperature Control, No DDC
Notes: This table includes controls related	to the performance path only. For p	rojects using the prescriptive path,	mandatory and prescriptive controls requi	rements are documented on the NRCC-MC	PH-E.

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1	2	3	4	5	6	7	8	9
		_						
Zone Name	Ventilation Function	# hotel rooms	Mechanical # of people	# of bedrooms	Min Supply OA CFM	Min Exhaust CFM	Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
Thermal Zone: F1 Business Center	General - Conference/meeting	0	12.00	0	180	0	360	Both
Thermal Zone: F1 Corridor	General - Corridors General - Unoccupied General - Unoccupied General - Unoccupied General - Corridors General - Corridors	0	9.34		277	0	1920	Occupant Sensor
Thermal Zone: F1 Lounge	General - Break rooms	0	35.00	0	525	0	1050	DCV
Thermal Zone: F1 Fitness Center	Sports/Entertainment - Gym, sports arena (play area)	0	9.00	0	450	0	900	NA
Thermal Zone: F1 Leasing Office	Office - Office space	0	1.73	0	52	0	345	NA
Thermal Zone: F1 Mechanical Room	Misc - Telephone closets	0	0.65	0	65	0	432	NA
Thermal Zone: F1 Retail N-NW	Retail - Sales Retail - Sales Retail - Sales Retail - Sales	0	49.88	0	1496	0	5985	NA
Thermal Zone: F1 Retail NE	Retail - Sales Retail - Sales Retail - Sales	0	36.01	0	1080	0	4320	NA
Thermal Zone: F1 Retail SE	Retail - Sales Retail - Sales	0	24.00	0	720	0	2880	NA
Thermal Zone: F1 Retail SW	Retail - Sales Retail - Sales	0	36.91	0	1107	0	4428	NA
Thermal Zone: F2-4 1-Bed Core N	NA	0	2.00	1	37	0	720	NA
Thermal Zone: F2-4 1-Bed Core West	NA NA	0	4.00	2	73	0	1440	NA
Thermal Zone: F2-4 1-Bed Core East	NA NA	0	4.00	2	73	0	1440	NA
Thermal Zone: F2-4 1-Bed North	NA NA NA NA	0	10.00	5	187	0	3720	NA
Thermal Zone: F2-4 2-Bed Core NE-NW	NA NA	0	6.00	4	110	0	2160	NA
Thermal Zone: F2-4 2-Bed East	NA NA NA	0	9.00	6	165	0	3240	NA
Thermal Zone: F2-4 2-Bed West	NA NA NA	0	9.00	6	165	0	3240	NA

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K9. MECHANICAL VENTILATION AN	_		I	<u> </u>	1			T	
1	2	3	4	5	6	7	8	9	
			Mechanical	Ventilation				DCV or Occupant Sensor Controls, or	
Zone Name	Ventilation Function	# hotel rooms	# of people	# of bedrooms	Min Supply OA CFM	Min Exhaust CFM	Conditioned Area (sf)	Both	
Thermal Zone: F2-4 3-Bed NE	NA	0	4.00	3	72	0	1410	NA	
Thermal Zone: F2-4 3-Bed NW	NA	0	4.00	3	72	0	1410	NA	
Thermal Zone: F2-4 Studio SE	NA	0	2.00	1	31	0	540	NA	
Thermal Zone: F2-4 Studio SW	NA	0	2.00	1	31	0	540	NA	
Thermal Zone: F2-4 Corridor	General - Corridors General - Unoccupied General - Unoccupied General - Unoccupied Lodging - Laundry rooms, central General - Corridors General - Corridors	0	13.54	0	403	0	2760	Occupant Sensor	
Thermal Zone: F5 1-Bed Core N	NA	0	2.00	1	37	0	720	NA	
Thermal Zone: F5 1-Bed Core West	NA NA	0	4.00	2	73	0	1440	NA	
Thermal Zone: F5 1-Bed Core East	NA NA	0	4.00	2	73	0	1440	NA	
Thermal Zone: F5 1-Bed North	NA NA NA NA	0	10.00	5	187	0	3720	NA	
Thermal Zone: F5 2-Bed Core NE-NW	NA NA	0	6.00	4	110	0	2160	NA	
Thermal Zone: F5 2-Bed East	NA NA NA	0	9.00	6	165	0	3240	NA	
Thermal Zone: F5 2-Bed West	NA NA NA	0	9.00	6	165	0	3240	NA	
Thermal Zone: F5 3-Bed NE	NA	0	4.00	3	72	0	1410	NA	
Thermal Zone: F5 3-Bed NW	NA	0	4.00	3	72	0	1410	NA	
Thermal Zone: F5 Studio SE	NA	0	2.00	1	31	0	540	NA	
Thermal Zone: F5 Studio SW	NA	0	2.00	1	31	0	540	NA	
Thermal Zone: F5 Corridor	General - Corridors General - Unoccupied General - Unoccupied General - Unoccupied Lodging - Laundry rooms, central General - Corridors General - Corridors	0	13.54	0	403	0	2760	Occupant Sensor	

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1	2	3	4			
	Dry System Distribution					
Equipment Name	5	Duc	ts	Status ¹		
	Duct Leakage Verification Y/N	Insulation R-Value	Location			
BaseSys5 F1	No	0	Conditioned			
DOAS1	No	0	Conditioned			
ZnSys F2-4 1-Bed Core N	No	0	Conditioned			
ZnSys F2-4 1-Bed Core West	No	0	Conditioned			
ZnSys F2-4 1-Bed Core East	No	0	Conditioned			
ZnSys F2-4 1-Bed North	No	0	Conditioned			
ZnSys F2-4 2-Bed Core NE-NW	No	0	Conditioned			
ZnSys F2-4 2-Bed East	No	0	Conditioned			
ZnSys F2-4 2-Bed West	No	0	Conditioned			
ZnSys F2-4 3-Bed NE	No	0	Conditioned			
ZnSys F2-4 3-Bed NW	No	0	Conditioned			
ZnSys F2-4 Studio SE	No	0	Conditioned			
ZnSys F2-4 Studio SW	No	0	Conditioned			
ZnSys F5 1-Bed Core N	No	0	Conditioned			
ZnSys F5 1-Bed Core West	No	0	Conditioned			
ZnSys F5 1-Bed Core East	No	0	Conditioned			
ZnSys F5 1-Bed North	No	0	Conditioned			
ZnSys F5 2-Bed Core NE-NW	No	0	Conditioned			
ZnSys F5 2-Bed East	No	0	Conditioned			
ZnSys F5 2-Bed West	No	0	Conditioned			
ZnSys F5 3-Bed NE	No	0	Conditioned			
ZnSys F5 3-Bed NW	No	0	Conditioned			
ZnSys F5 Studio SE	No	0	Conditioned			
ZnSys F5 Studio SW	No	0	Conditioned			

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Does the Project include Zonal Systems?	Yes	
-----------------------------------------	-----	--

K11. ZONAL SYSTEM A	AND TERMINAL UNI	T SUMMARY § 140.4	4								
1	2	3	4	5	6	7	8	9	10	11	12
System ID	Zone Name	System Type		Capacity tuh)		Airflow (cfm)			Fa	an	
System ib	Zone Name	System Type	Heating	Cooling	Design	Min.	Min. Ratio	ВНР	Watts	Cycles	ECM Motor
ZnSys F2-4 1-Bed Core N	Thermal Zone: F2-4 1-Bed Core N	SZHP	11.00	10.00	379	NA	NA	0.152	132.5	×	
ZnSys F2-4 1-Bed Core West	Thermal Zone: F2-4 1-Bed Core West	SZHP	11.00	10.00	379	NA	NA	0.152	132.5	×	
ZnSys F2-4 1-Bed Core East	Thermal Zone: F2-4 1-Bed Core East	SZHP	11.00	10.00	379	NA	NA	0.152	132.5	×	
ZnSys F2-4 1-Bed North	Thermal Zone: F2-4 1-Bed North	SZHP	11.00	10.00	391	NA	NA	0.157	136.9	\boxtimes	
ZnSys F2-4 2-Bed Core NE-NW	Thermal Zone: F2-4 2-Bed Core NE-NW	SZHP	16.00	15.00	568	NA	NA	0.228	198.8	\boxtimes	
ZnSys F2-4 2-Bed East	Thermal Zone: F2-4 2-Bed East	SZHP	16.00	15.00	568	NA	NA	0.228	198.8	\boxtimes	
ZnSys F2-4 2-Bed West	Thermal Zone: F2-4 2-Bed West	SZHP	16.00	15.00	568	NA	NA	0.228	198.8	\boxtimes	
ZnSys F2-4 3-Bed NE	Thermal Zone: F2-4 3-Bed NE	SZHP	21.00	20.00	742	NA	NA	0.298	259.5	\boxtimes	
ZnSys F2-4 3-Bed NW	Thermal Zone: F2-4 3-Bed NW	SZHP	21.00	20.00	742	NA	NA	0.298	259.5	\boxtimes	
ZnSys F2-4 Studio SE	Thermal Zone: F2-4 Studio SE	SZHP	8.00	8.00	284	NA	NA	0.114	99.4	\boxtimes	
ZnSys F2-4 Studio SW	Thermal Zone: F2-4 Studio SW	SZHP	8.00	8.00	284	NA	NA	0.114	99.4	\boxtimes	
ZnSys F5 1-Bed Core N	Thermal Zone: F5 1-Bed Core N	SZHP	11.00	10.00	379	NA	NA	0.152	132.5	\boxtimes	
ZnSys F5 1-Bed Core West	Thermal Zone: F5 1-Bed Core West	SZHP	11.00	10.00	379	NA	NA	0.152	132.5	\boxtimes	

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1	2	3	4	5	6	7	8	9	10	11	12
System ID	Zone Name	System Type		Capacity tuh)	Airflow (cfm)		l	Fan		ın	
System ib	Zone Name	System Type	Heating	Cooling	Design	Min.	Min. Ratio	ВНР	Watts	Cycles	ECM Motor
ZnSys F5 1-Bed Core East	Thermal Zone: F5 1-Bed Core East	SZHP	11.00	10.00	379	NA	NA	0.152	132.5	×	
ZnSys F5 1-Bed North	Thermal Zone: F5 1-Bed North	SZHP	11.00	10.00	391	NA	NA	0.157	136.9	×	
ZnSys F5 2-Bed Core NE-NW	Thermal Zone: F5 2-Bed Core NE-NW	SZHP	16.00	15.00	568	NA	NA	0.228	198.8	\boxtimes	
ZnSys F5 2-Bed East	Thermal Zone: F5 2-Bed East	SZHP	16.00	15.00	568	NA	NA	0.228	198.8	×	
ZnSys F5 2-Bed West	Thermal Zone: F5 2-Bed West	SZHP	16.00	15.00	568	NA	NA	0.228	198.8	×	
ZnSys F5 3-Bed NE	Thermal Zone: F5 3-Bed NE	SZHP	21.00	20.00	742	NA	NA	0.298	259.5	×	
ZnSys F5 3-Bed NW	Thermal Zone: F5 3-Bed NW	SZHP	21.00	20.00	742	NA	NA	0.298	259.5	\boxtimes	
ZnSys F5 Studio SE	Thermal Zone: F5 Studio SE	SZHP	8.00	8.00	284	NA	NA	0.114	99.4	\boxtimes	
ZnSys F5 Studio SW	Thermal Zone: F5 Studio SW	SZHP	8.00	8.00	284	NA	NA	0.114	99.4	\boxtimes	
Bal F2 1-Bed Core N	Thermal Zone: F2-4 1-Bed Core N	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F2 1-Bed Core West	Thermal Zone: F2-4 1-Bed Core West	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F2 1-Bed Core East	Thermal Zone: F2-4 1-Bed Core East	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F2 1-Bed North	Thermal Zone: F2-4 1-Bed North	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F2 2-Bed Core NE-NW	Thermal Zone: F2-4 2-Bed Core NE-NW	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		

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1	2	3	4	5	6	7	8	9	10	11	12
System ID	Zone Name	System Type	Rated Capacity (kBtuh)		Airflow (cfm)		•		Fa	an	
System id	Zone Name	System Type	Heating	Cooling	Design	Min.	Min. Ratio	ВНР	Watts	Cycles	ECM Motor
Bal F2 2-Bed East	Thermal Zone: F2-4 2-Bed East	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F2 2-Bed West	Thermal Zone: F2-4 2-Bed West	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F2 3-Bed NE	Thermal Zone: F2-4 3-Bed NE	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F2 3-Bed NW	Thermal Zone: F2-4 3-Bed NW	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F2 Studio SE	Thermal Zone: F2-4 Studio SE	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F2 Studio SW	Thermal Zone: F2-4 Studio SW	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F5 1-Bed Core N	Thermal Zone: F5 1-Bed Core N	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F5 1-Bed Core West	Thermal Zone: F5 1-Bed Core West	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F5 1-Bed Core East	Thermal Zone: F5 1-Bed Core East	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F5 1-Bed North	Thermal Zone: F5 1-Bed North	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F5 2-Bed Core NE-NW	Thermal Zone: F5 2-Bed Core NE-NW	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F5 2-Bed East	Thermal Zone: F5 2-Bed East	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F5 2-Bed West	Thermal Zone: F5 2-Bed West	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F5 3-Bed NE	Thermal Zone: F5 3-Bed NE	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		

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1	2	3	4	5	6	7	8	9	10	11	12
		System Type	Rated C	Capacity tuh)	Airflow (cfm)			-	Fa		
System ID	Zone Name	System Type	Heating	Cooling	Design	Min.	Min. Ratio	ВНР	Watts	Cycles	ECM Motor
Bal F5 3-Bed NW	Thermal Zone: F5 3-Bed NW	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F5 Studio SE	Thermal Zone: F5 Studio SE	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
Bal F5 Studio SW	Thermal Zone: F5 Studio SW	VentilationOnly	NA	NA	NA	NA	NA	NA	NA		
BaseVAV TrmlUnit	Thermal Zone: F1 Business Center	VAVReheatBox	10.00	NA	426	85	0.20	NA	NA	NA	
BaseVAV TrmlUnit-2	Thermal Zone: F1 Corridor	VAVReheatBox	53.00	NA	1373	277	0.20	NA	NA	NA	
BaseVAV TrmlUnit-3	Thermal Zone: F1 Lounge	VAVReheatBox	22.00	NA	1115	223	0.20	NA	NA	NA	
BaseVAV TrmlUnit-4	Thermal Zone: F1 Fitness Center	VAVReheatBox	18.00	NA	616	450	0.73	NA	NA	NA	
BaseVAV TrmlUnit-5	Thermal Zone: F1 Leasing Office	VAVReheatBox	9.00	NA	282	56	0.20	NA	NA	NA	
BaseVAV TrmlUnit-6	Thermal Zone: F1 Mechanical Room	VAVReheatBox	9.00	NA	572	114	0.20	NA	NA	NA	
BaseVAV TrmlUnit-7	Thermal Zone: F1 Retail N-NW	VAVReheatBox	97.00	NA	4023	1496	0.37	NA	NA	NA	
BaseVAV TrmlUnit-8	Thermal Zone: F1 Retail NE	VAVReheatBox	72.00	NA	3064	1080	0.35	NA	NA	NA	
BaseVAV TrmlUnit-9	Thermal Zone: F1 Retail SE	VAVReheatBox	52.00	NA	2034	720	0.35	NA	NA	NA	
BaseVAV TrmlUnit-10	Thermal Zone: F1 Retail SW	VAVReheatBox	77.00	NA	3026	1107	0.37	NA	NA	NA	
DOAS1 TrmlUnit-1	Thermal Zone: F2-4 Corridor	Uncontrolled	NA	NA	1208	NA	0.00	NA	NA	NA	

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K11. ZONAL SYSTEM A	AND TERMINAL UNI	T SUMMARY § 140.	4								
1	2	3	4	5	6	7	8	9	10	11	12
Custom ID Zone Name				Rated Capacity (kBtuh)		Airflow (cfm)		Fan			
System ID	Zone Name	System Type	Heating	Cooling	Design	Min.	Min. Ratio	ВНР	Watts	Cycles	ECM Motor
DOAS1 TrmlUnit-3	Thermal Zone: F5 Corridor	Uncontrolled	NA	NA	403	NA	0.00	NA	NA	NA	

K12. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

L. UNMET LOAD HOURS

This Section Does Not Apply

M. COVERED PROCESS SUMMARY §140.9

M1. ENCLOSED PARKING GARAGES

1	2	3	4	5
Garage Exhaust System Name	Design Exhaust Flow Rate (cfm)	Minimum Exhaust Flow Rate (cfm)	Fan Power (Watts)	CO Control Yes/No
Parking Garage Vent System	20,925	4,185	15.769	Yes

M2. COMMERCIAL KITCHENS

This Section Does Not Apply

M3. COMPUTER ROOMS

This Section Does Not Apply

M4. LABORATORY/PROCESS EXHAUST

This Section Does Not Apply

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	: 4.40 C		
N. INDOOR LIGHTING SUMMARY §	§140.6		

N1. INDOOR CONDITIONED LIGHTING GENERAL INFO § 140.61 Confirmed 2 1 3 4 Fail Additional (Custom) Allowance Conditioned Floor Area ² **Installed Lighting Power Lighting Control Credits** Occupancy Type 1 **Area Category Footnotes** (ft²) (Watts) (Watts) **Tailored Method (Watts)** (Watts) Convention, Conference, 0 Multipurpose and Meeting 360 306 0 Area 10,065 6,039 0 0 Corridor Area Lounge, Breakroom, or 1,050 683 0 0 0 Waiting Area Electrical, Mechanical, 807 323 0 0 0 Telephone Rooms Exercise/Fitness Center and 450 0 0 0 П 900 **Gymnasium Areas** Office Area (>250 square 224 0 0 0 345 feet) Retail Sales Area (Retail 17,613 0 0 0 17,613 Merchandise Sales) Stairwell 1,800 900 0 0 0 High-Rise Residential Living 79,440 0 0 0 Spaces 0 0 720 0 Laundry Area 324 0 0 0 **Building Totals:** 113,100 26,862

N2. INDOOR CONDITIONED LIGHTING SCHEDULE § 130.0

This Section Does Not Apply

¹ See Table 140.6-C

² See NRCC-LTI-01-E for unconditioned spaces

³Lighting information for existing spaces modeled is not included in the table

^{1|}f lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.

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N3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS § 140.6

This Section Does Not Apply

N4: INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS § 130.1

This Section Does Not Apply

§130.1(a) = Manual area controls; §130.0(b) = Multi Level; §130.1(c) = Auto Shut-Off; §130.1(d) = Mandatory Daylight; §130.1(e) = Demand Responsive

N5. TAILORED METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST § 140.6					
General lighting power (see Table D)	0				
General lighting power from special function areas (see Table E)	NA				
Additional "use it or lose it" (See Table G)	0				
Total watts	0				

N6. GENERAL LIGHTING POWER § 140.6-D

This Section Does Not Apply

N7. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS § 140.6(c) 3H Confirmed Illuminance Value Room Cavity Ratio Room Number Primary Function Area Allowed LPD Floor Area (ft²) **Allowed Watts** (LUX) (Table G) Pass Fail NA NA NA NA NA

Note: Tailored Method for Special Function Areas is not currently implemented

		*					
N8. ROOM CAVITY RATIO							
	40	Rectangu	lar Spaces				
Room Number	Task/Activity Description	Room Length (ft)	Room Width (ft)	Room Cavity Height (ft)	RCR	Confi	irmed
ROOM Number	lask/Activity Description	Room Length (It)	Koom width (it)	Room Cavity Height (It)	KCK	Pass	Fail
NA	NA	NA	NA	NA	NA		
Non-Rectangular Spaces		,				,	
This Section Does Not Apply	M.						

Note: All applicable spaces are listed under the Non-Rectangular Spaces table

D :				Tubes ppr of		Page 22 of 28				
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N9. ADDITIONAL "U	ISE IT OR LOSE IT"									
1.		2. 3				4.		Confirmed		
Wall Disp	iav i	r Display and Task ghting	Combined Ornamenta Effects Light		Very V	aluable Merchandi	Allowed Watts se	Pass	Fail	
0		0	0			0	0			
N10. Wall Display						,				
This Section Does Not	Apply			,	1	,				
				0.						
N11. Floor Display a	and Task Lighting									
This Section Does Not	Apply									
N12. Combined Orn	amental and Special Effects Lig	 ghting	1,0							
This Section Does Not	Apply	<u> </u>								
			3	,						
N13. Very Valuable	Merchandise									
This Section Does Not	Apply		0							
	TDOOR LIGHTING ACCEPTANCE				-					
Declaration of Requir	ed Acceptance Certificates (NRCA	–Acceptance Certificat	es that must be verific Field Inspector to		(Retain copi	es and verify forms	are completed and signed t	o post in	field fo	
_	- A December		Inc	door	'		Outdoor	Confi	irmed	
 	est Description	NRCA-LTI-02-A	NRCA-	LTI-03-A	NRO	CA-LTI-04-A	NRCA-LTO-02-A	_		
Equipment Requiri Testing or Verificat		Occ Sensors / Auto Switch	Time Auto	Daylight	Demai	nd Responsive	Outdoor Controls	Pass	Fail	
Occupant Sensor	s									
Automatic Time Sw	itch									
Automatic Daylight	ing									
Demand Responsi	ve									
Outdoor Control	s									

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O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents bust be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Building Component YES		NO	Form/Title		ield bector
				Pass	+_
Envelope			NRCI-ENV-01-E - Must be submitted for all buildings	╙	⊔
Mechanical			NRCI-MCH-01-E - Must be submitted for all buildings		
			NRCI-PLB-01-E - Must be submitted for all buildings		
		×	NRCI-PLB-02-E - Must be submitted for high-rise residential and hotel/ motel central hot water distribution systems to be recognized for compliance		
Plumbing		\boxtimes	NRCI-PLB-01-E - Must be submitted for all buildings		
		\boxtimes	NRCI-PLB-21-E - Must be HERS verified for central systems in high-rise residential hotel/ motel application		
		×	NRCI-PLB-22-E - Must be HERS verified for single dwelling unit systems in high-rise residential, hotel/motel application		
			NRCI-LTI-01-E - Must be submitted for all buildings		
		×	NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS) to be recognized for compliance		
Indoor Lighting			NRCI-LTI-03-E - Must be submitted for a line-voltage track lighting integral current limiter, or for a supplementary overcurrent protection panel used to energize only line-voltage track lighting, to be recognized for compliance		
		Ø	NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance		
		×	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance		
		×	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance		
Quitdoor Lighting		\boxtimes	NRCI-LTO-01-E - Must be submitted for all buildings		
Outdoor Lighting		×	NRCI-LTO-02-E - Must be submitted for EMCS Lighting Control system		
Sign Lighting		×	NRCI-LTS-01-E - Must be submitted for all buildings		
Electrical		⋈	NRCI-ELC-01-E - Must be submitted for all buildings		
Photovoltaic		×	NRCI-SPV-01-E - Must be submitted for all buildings		\Box

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certificate	Fiel Inspe	ector						
Input File Name: Mid-Rise Mixed Use 5-Story Prototype_CZ03.cibd19 O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized compliance. These documents bust be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/ Building Component YES NO Form/Title Covered Process	Fiel Inspe	ector						
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Covered Process NRCI-PRC-01-E - Must be submitted for all Refrigerated Warehouses P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certificates.	Inspe	ector						
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Trovider (Arrer). For more injormation visit. https://www.energy.cu.gov/thte24/2013standards/2013_compilance_documents/wonresidential_bocaments/inteAy	Table Instructions: Selections shall be made by Documentation Author to 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). For more information visit:https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/							
Building Component YES NO Form/Title	Fiel Inspe							
□ □ NRCA-ENV-02-F - NRFC label verification for fenestration		rail						
Envelope		, –						

Project Name:	Mid-Rise Mixed-Use (5-story)	NRCC-PRF-01-E	Page 25 of 28
Project Address:		Calculation Date/Time:	17:51, Thu, Jan 16, 2020
Input File Name:	Mid-Rise Mixed Use 5-Story Prototype_CZ03.cibd19		

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections shall be made by Documentation Author to 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). For more information visit: https://www.energy.ca.gov/title24/2019standards/2019 compliance documents/Nonresidential Documents/NRCA/

Building Component	YES	NO	Form/Title		eld ector
				Pass	Fail
			NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap		
			NRCA-MCH-03-A Constant Volume Single Zone HVAC		
			NRCA-MCH-04(a)-A Air Distribution Duct Leakage - HERS Verification required		
			NRCA-MCH-04(b)-A Air Distribution Duct Leakage - ATT only		
			NRCA-MCH-05-A Air Economizer Controls		
			NRCA-MCH-06-A Demand Control Ventilation Systems Acceptance must be submitted for all systems required to employ demand controlled ventilation (refer to §120.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints		
			NRCA-MCH-07-A Supply Fan Variable Flow Controls		
			NRCA-MCH-08-A Valve Leakage Test		
Mechanical			NRCA-MCH-09-A Supply Water Temperature Reset Controls		
			NRCA-MCH-10-A Hydronic System Variable Flow Controls		
			NRCA-MCH-11-A Automatic Demand Shed Controls		
			NRCA-MCH-12-A FDD for Packaged Direct Expansion Units		
			NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance		
			NRCA-MCH-14-A Distributed Energy Storage DX AC Systems Acceptance		
	Ď		NRCA-MCH-15-A Thermal Energy Storage (TES) System Acceptance		
			NRCA-MCH-16-A Supply Air Temperature Reset Controls		
			NRCA-MCH-17-A Condenser Water Temperature Reset Controls		
			NRCA-MCH-18 Energy Management Control Systems		
			NRCA-MCH-19 Occupancy Sensor Controls		

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Project Name:	Mid-Rise Mixed-Use (5-story)	NRCC-PRF-01-E	Page 26 of 28
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P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections shall be made by Documentation Author to 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). For more information visit:https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Building Component		NO	Form/Title	l	Field rspector	
				Pass	Fail	
		☒	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls			
Indoor Lighting		\boxtimes	NRCA-LTI-03-A - Automatic Daylight Controls			
		\boxtimes	NRCA-LTI-04-A - Demand Responsive Lighting Controls			
		\boxtimes	NRCA-LTI-05-A - Institutional Tuning Power Adjustment Factor (PAF)			
Outdoor Lighting		\boxtimes	NRCI-LTO-01-E - Must be submitted for all buildings			
Sign Lighting		\boxtimes	NRCA-LTO-02-A - Outdoor Lighting Controls			
		\boxtimes	NRCA-PRC-01-F - Compressed Air Systems			
		\boxtimes	NRCA-PRC-02-F - Kitchen Exhaust			
		\boxtimes	NRCA-PRC-03-F - Garage Exhaust			
		\boxtimes	NRCA-PRC-04-F - Refrigerated Warehouse - Evaporator Fan Motor Controls			
Covered Process		\boxtimes	NRCA-PRC-05-F - Refrigerated Warehouse - Evaporative Condenser Controls			
Covered Process		\boxtimes	NRCA-PRC-06-F - Refrigerated Warehouse - Air Cooled Condenser Controls			
			NRCA-PRC-07-F - Refrigerated Warehouse - Variable Speed Compressor			
		\boxtimes	NRCA-PRC-08-F - Electrical Resistance Underslab Heating System			
		U'	NRCA-PRC-15-F - Fume Hood Automatic Sash Closures System			
			NRCA-PRC-16-A - Adiabatic Condensers			

Project Name:	Mid-Rise Mixed-Use (5-story)	NRCC-PRF-01-E	Page 27 of 28
Project Address:		Calculation Date/Time:	17:51, Thu, Jan 16, 2020
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		,	

Q. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Verification must be submitted for the features to be recognized for compliance. These documents bust be retained and provided to the building inspector during construction and can be found online at:

https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCV/

Building Component		NO	Form/Title	Field Inspector	
				Pass	Fail
Mechanical		\boxtimes	NRCV-MCH-04-H Duct Leakage Test		
			NRCV-MCH-24-H Enclosure Air Leakage		
			NRCV-MCH-27 Indoor Air Quality & Mechanical Ventilation		
			NRCV-MCH-32-H Local Mechanical Exhaust		
Plumbing		\boxtimes	NRCV-PLB-21-H - HERS verified central systems in high-rise residential, hotel/motel application		
		\boxtimes	NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application		

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Project Address:		Calculation Date/Time:	17:51, Thu, Jan 16, 2020
Input File Name: Mid-Rise Mixed Use 5-Story Prototype_CZ03.cibd19			

UMENTATION AUTHOR'S DECLARATION STATEMENT § 10-103					
Documentation Author Name:	— Signature:				
Company:					
Address:	Signature Date: 2020-01-16				
City/State/Zip:	CEA/ HERS Certification Identification (if applicable):				
Phone:					

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- 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 will ensure that a completed signed 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. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Envelope Designer Name:	Signatura			
Company:	Signature:			
Address:	Date Signed:			
City/State/Zip:	Declaration Statement Type:			
Phone:	Title:	License #:		
Responsible Lighting Designer Name:	Signature:			
Company:				
Address:	Date Signed:			
City/State/Zip:	Declaration Statement Type:			
Phone:	Title:	License #:		
Responsible Mechanical Designer Name: - specify -	Cionatura.			
Company:	Signature:			
Address:	Date Signed:			
City/State/Zip:	Declaration Statement Type:			
Phone:	Title:	License #:		

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