

CERTIFICATE OF COMPLIANCE - NONRESIDENTIAL PERFORMANCE COMPLIANCE METHOD		NRCC-PRF-E
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Project Name:	Nonresidential Sample	Date Prepared: 2023-05-19

A. General Information					
1	Project Name	Nonresidential Sample			
2	Run Title	Title 24 Analysis			
3	Project Location	1234 Main St.			
4	City	Sacramento	5	Standards Version	Compliance 2022
6	Zip code	95823	7	Compliance Software (version)	EnergyPro 9.1
8	Climate Zone	12	9	Building Orientation (deg)	0
10	Building Type(s)	• Nonresidential	11	Weather File	SACRAMENTO-EXECUTIVE_STYP20.epw
12	Project Scope	• New complete scope	13	Number of Dwelling Units	0
14	Total Conditioned Floor Area in Scope (ft²)	4480	15	Total # of hotel/motel rooms	0
16	Total Unconditioned Floor Area (ft²)	1200	17	Fuel Type	Natural gas
18	Nonresidential Conditioned Floor Area	4480	19	Total # of Stories (Habitable Above Grade)	2
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	Performance	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 checked="" 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 type="checkbox"/>	Not Included	Electrical Power Distribution 110.11	NRCC-ELC-E is required
			Battery (see Table F)	<input checked="" type="checkbox"/>	Performance	Commissioning 120.8	NRCC-CXR-E is required
				<input 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	290.72	219.49	33.36
Proposed Design	247.77	99.02	13.63
Compliance Margins	42.95	120.47	19.73
	Pass	Pass	Pass
¹ Efficiency measures include improvements like a better building envelope and more efficient equipment ² Compliance Totals include efficiency, photovoltaics and batteries ³ Building complies when efficiency and total compliance margins are 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	21.7	43.49	-21.79
Space Cooling	83.7	99.11	-15.41
Indoor Fans	90.76	30.6	60.16
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	47.84	36.58	11.26
Indoor Lighting	46.72	37.99	8.73
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	290.72	247.77	42.95 (14.8%)
Photovoltaics	-70.15	-144.36	74.21
Batteries	-1.08	-4.39	3.31
TOTAL COMPLIANCE	219.49	99.02	120.47 (54.9%)
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	83.6	83.6	---
Process	84.1	84.1	---
Other Ltg	5	5	---
Process Motors	23.96	23.96	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	416.15	295.68	120.47 (28.9%)
¹ Notes: This table is not used for Energy Code Compliance.			

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C4. SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual SOURCE Energy Use, kBtu/ft² /yr)			
COMPLIES²			
Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)¹
Space Heating	5.29	6.34	-1.05
Space Cooling	3.5	4.02	-0.52
Indoor Fans	8.29	2.19	6.1
Heat Rejection	0	0	0
Pumps & Misc.	0	0	0
Domestic Hot Water	15.27	3.89	11.38
Indoor Lighting	3.91	3.29	0.62
Flexibility	---	---	---
EFFICIENCY COMPLIANCE TOTAL	36.26	19.73	16.53 (45.6%)
Photovoltaics	-2.5	-5.08	2.58
Batteries	-0.4	-1.02	0.62
TOTAL COMPLIANCE	33.36	13.63	19.73 (59.1%)
¹ Notes: This number in parenthesis following the Compliance Margin in column 4, represents the Percent Better than Standard.			

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C5. SOURCE ENERGY RESULTS FOR NON-REGULATED COMPONENTS¹			
Non-Regulated Energy Component	Standard Design (SOURCE)	Proposed Design (SOURCE)	Compliance Margin (SOURCE)¹
Receptacle	6.56	6.56	---
Process	7.51	7.51	---
Other Ltg	0.5	0.5	---
Process Motors	2.63	2.63	---
TOTAL (TOTAL COMPLIANCE + NON-REGULATED COMPONENTS)	50.56	30.83	19.73 (39%)
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	1.4	6.3	-4.9	18.4	---	---
Space Cooling	9.3	10.7	-1.4	---	---	---
Indoor Fans	13.8	3.5	10.3	---	---	---
Heat Rejection	---	---	---	---	---	---
Pumps & Misc.	---	---	---	---	---	---
Domestic Hot Water	1.4	5.9	-4.5	69.9	---	---
Indoor Lighting	8.1	6.4	1.7	---	---	---
Flexibility	---	---	---	---	---	---
EFFICIENCY TOTAL	34	32.8	1.2	88.3	0	88.3
Photovoltaics	-16.1	-32.7	16.6	---	---	---
Batteries	0.1	0.2	-0.1	---	---	---
ENERGY USE SUBTOTAL	18	0.3	17.7	88.3	0	88.3
Receptacle	15.1	15.1	0	---	---	---
Process	15	15	0	---	---	---
Other Ltg	0.8	0.8	0	---	---	---
Process Motors	3.8	3.8	0	---	---	---
ENERGY USE TOTAL	52.7	35	17.7	88.3	0	88.3

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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	56.87	40.67	16.2	28.49
NET EUI ¹	47.2	21.02	26.18	55.47
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 project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required. The 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).

F1. REQUIRED PV SYSTEMS											
01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception¹	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
20	n/a	Standard (14-17%)	Fixed	none	false	180	Degrees	22	4.85	96	100
¹ See Table D1 for any PV exceptions used.											

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F1B. PV BATTERY BUILDING TYPE(S)		
01	02	03
Building Occupancy Type* (From Table 140.10-A/B and 170.2-U/V)	Conditioned Floor Area (ft²)	Unconditioned Floor Area (ft²)
Grocery	0	0
High-Rise Multifamily	0	0
Office, Financial Institutions, Unleased Tenant Space	1920	0
Retail	1280	0
School	0	0
Warehouse	0	0
Auditorium, Convention Center, Hotel/Motel, Library, Medical Office Building/Clinic, Restaurant, Theater	1280	0
None	0	1200
<i>*Building Occupancy Types are defined in Section 100.1 of the Energy Code</i>		

F2. BATTERY SYSTEMS¹						
01	02	03	04	05	06	07
Control	Capacity (kWh)	Charging Efficiency	Charging Rate (kW)	Discharging Efficiency	Discharging Rate (kW)	Round Trip Efficiency
TOU	16	N/A	5	N/A	5	0.9
¹ See Table D1 for any Battery exceptions used.						

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G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)			
01	02	03	04
Opaque Surfaces & Orientation	Total Gross Surface Area (ft ²)	Total Fenestration Area (ft ²)	Window to Wall Ratio (%)
North-Facing ¹	800	320	40
East-Facing ²	1040	320	30.77
South-Facing ³	2000	260	13
West-Facing ⁴	720	0	0
Total	4560	900	19.74
Roof	2880	0	0
Notes 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), ⁴ West-Facing is oriented to within 45 degrees of true west, including 45 00'00" north of west (NW), but excluding 45 00'00" south of west (SW),			

G4. NONRESIDENTIAL AIR BARRIER	
01	02
Building Story Name	Air Barrier
Com-Floor 1	No air barrier
Com-Floor 2	No air barrier

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G5. OPAQUE SURFACE ASSEMBLY SUMMARY										
01	02	03	04	05	06		07	08	09	10
Surface Name	Construction Type	Area (ft²)	Framing Type	Cavity R-Value	Continuous R-Value		Units	Value	Description of Assembly Layers	Status¹
					Interior	Exterior				
R-13 Wall10	Exterior Wall	4,560	Wood	13	N/A	N/A	U-factor	0.1015	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Composite-1 Gypsum Board - 1/2 in.	N
Slab On Grade16	Underground Floor	4,400	N/A	0	N/A	N/A	F-factor	0.73	Slab Type =Unheated slab on grade Insulation Orientation =None Insulation R-Value =none	N
R-13 Wall101	Interior Wall	200	Wood	13	N/A	N/A	U-factor	0.0952	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Composite-1 Gypsum Board - 1/2 in.	N
R-30 Roof Attic25	Roof	3,680	Wood	30	N/A	N/A	U-factor	0.0383	AsphaltShingles0_25In Vapor permeable felt - 1/8 in. Plywood - 1/2 in. Air - Cavity - Wall Roof Ceiling - 4 in. or more Composite-2 Gypsum Board - 1/2 in.	N
R-0 Floor No Crawlspace52	Interior Floor	1,280	N/A	0	N/A	N/A	U-factor	0.1832	Air - Cavity - Wall Roof Ceiling - 4 in. or more Plywood - 1/2 in. Carpet - 3/4 in.	N
¹ Status: N - New, A - Altered, E - Existing										

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G6A. OPAQUE DOOR SUMMARY (NONRESIDENTIAL)			
01	02	03	04
Assembly Name	Area (ft²)	Overall U-factor	Status¹
Wood Door37	24	0.5	N
¹ Status: N - New, A - Altered, E - Existing			

G7A. FENESTRATION ASSEMBLY SUMMARY (NONRESIDENTIAL)								
01	02	03	04	05	06	07	08	09
Fenestration Assembly Name	Fenestration Type/ Product Type / Frame Type	Certification Method¹	Assembly Method	Area (ft²)	Overall U-factor	Overall SHGC	Overall VT	Status²
Double Metal Tinted	Vertical fenestration Fixed window Metal	Default 110.6	Site built	900	0.71	0.6	0.77	N
¹ Notes: 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.								
² Status: N - New, A - Altered, E - Existing								

G8. OVERHANG DETAILS						
01	02	03	04	05	06	07
Fenestration Tag/ ID	Azimuth	Depth (ft)	Height from Top of Sill to Overhang (ft)	Right Extent (ft)	Left Extent (ft)	Flap Height
East Windows14	90	6	8.1	6	6	N/A
East Windows32	90	6	8.1	6	6	N/A
South Windows34	180	6	8.1	6	6	N/A
South Windows49	180	6	5.1	6	6	N/A

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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		
Retail Mech. System	Package SZ VAV Heat Pump Air System	1	95.3	0	COP	3.4	69.23	EER	13	Differential DB	N
Office Mech System	Package SZ VAV Heat Pump Air System	1	63.32	0	COP	3.4	69.23	EER	13	Differential DB	N
Restaurant Mech Sys.	Package SZ VAV Heat Pump Air System	1	154.56	0	COP	3.4	153.52	EER	13	Differential DB	N

¹ Status: N - New, A - Altered, E - Existing

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	
Retail Mech. System	1	320	2,400	1.2	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
Office Mech System	1	288	2,400	1.14	BHP	VSD	N/A	N/A	N/A	N/A	N/A	N
Restaurant Mech Sys.	1	750	5,000	3.04	BHP	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
Retail Zone3	1-Retail Zone	2	50	0.02	BHP	No	N
Parking Garage18	2-Parking Garage	1	1000	0.5	BHP	No	N
Office Zone26	3-Office Zone	2	75	0.02	BHP	No	N
Restaurant Zone39	4-Restaurant Zone	2	70	0.02	BHP	No	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
Retail Mech. System	Package SZ VAV Heat Pump Air System	N/A	Zone(s) With CO2 Sensor Vent. Control Differential DB
Office Mech System	Package SZ VAV Heat Pump Air System	N/A	Differential DB
Restaurant Mech Sys.	Package SZ VAV Heat Pump Air System	N/A	Zone(s) With CO2 Sensor Vent. Control Differential DB
Large HP WH1 - SHW	Service Hot Water	N/A	Fixed Temperature Control
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.			

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		
1-Retail Zone	Retail - Sales	10.67	320	100	1280	DCV

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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		
3-Office Zone	Office - Office space	9.6	288	150	1920	N/A
4-Restaurant Zone	Food Service - Bars, cocktail lounges	50	750	140	1280	DCV

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	
1-Retail Zone-Trm	Variable Air Volume No Reheat Box	1	N/A	N/A	2,400	600	0.25	N/A	N/A	N/A	<input type="checkbox"/>
3-Office Zone-Trm	Variable Air Volume No Reheat Box	1	N/A	N/A	2,400	600	0.25	N/A	N/A	N/A	<input type="checkbox"/>
4-Restaurant Zone-Trm	Variable Air Volume No Reheat Box	1	N/A	N/A	5,000	1,200	0.24	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
Large HPWH2	Electricity	Storage	1	120	21.97	kW	3.9	COP	N/A	0.01	N/A	Heat Pump Split Water Heater	Tank Zn: Outdoor

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J1. ENCLOSED PARKING GARAGE				
01	02	03	04	05
Garage Exhaust System Name	Design Exhaust Flow Rate (cfm)	Minimum Exhaust Flow Rate (cfm)	Fan Power (Watts)	CO Control Yes/No
Parking Garage18	1000	0	0.44	NO

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)
Dining - Bar/Fine	1280	720	0	0	0
Office (250 square feet)	1920	756	0	0	0
Retail Merchandise Sales	1280	560	0	0	0
Building Totals:	4480	2036	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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K2. INDOOR CONDITIONED LIGHTING SCHEDULE					
Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft ² in offices)					
01	02	03	04	05	06
Name or Item Tag	Complete Luminaire Description (i.e. 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)	Installed Watts (Conditioned)			
		Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Installed Watts
F-1	Suspended LED	28	According to	20	560
A-1	Suspended LED	28	According to	27	756
D-1	LED Can	12	According to	10	120
F-2	Standard Track	300	According to	2	600
¹ If lighting power densities were used in the compliance model Building Departments will need to check prescriptive forms for Luminaire Schedule details.					

K3. INDOOR CONDITIONED LIGHTING CONTROL CREDITS								
Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per 140.6(a)2 and Table 140.6-A)								
01	02	03	04	05	06	07	08	09
Area Description	Primary Function Area (must meet requirements of Table 140.6-A and 170.2-L)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Item Tag	Watts per Luminaire	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
S-1-Retail Zone	Retail Merchandise Sales	N/A	N/A	F-1	28	20	560	0
S-3-Office Zone	Office (250 square feet)	N/A	N/A	A-1	28	27	756	0
S-4-Restaurant Zone	Dining - Bar/Fine	N/A	N/A	D-1	12	10	120	0
S-4-Restaurant Zone	Dining - Bar/Fine	N/A	N/A	F-2	300	2	600	0
Lighting Control Credits (Conditioned) Total (Watts)								0

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROL

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Building Level Controls						
01			02			
Mandatory Demand Response 110.12(c)			Shut-Off Controls 130.1(c) & 160.5(b)4C			
Required			Required			
Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per 130.1)						
03	04	05	06	07	08	09
Area Description	Area Category Primary Function Area	Area Controls 130.1(a) & 160.5(b)4A	Multi-Level Controls 130.1(b) & 160.5(b)4B	Shut-Off Controls 130.1(c) & 160.5(b)4C	Primary Daylighting 130.1(d) & 160.5(b)4D	Secondary Daylighting 140.5(d) & 160.5(b)4D
Offices	Office (250 square feet)	Required	Required	Required	Required	Required
Retail Space	Retail Merchandise Sales	Required	Required	Required	Required	Required
Restaurant	Dining - Bar/Fine	Required	Required	Required	Required	Required

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
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings
Envelope	NRCI-ENV-E - Envelope (for all buildings)
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings
Mechanical	NRCI-MCH-E - For all buildings with Mechanical Systems
Plumbing	NRCI-PLB-01-E - Must be submitted for all buildings
Plumbing	NRCI-PLB-E - For all buildings with Plumbing Systems
Indoor Lighting	NRCI-LTI-01-E - Must be submitted for all buildings
Indoor Lighting	NRCI-LTI-E - Indoor Lighting (for all buildings)
Covered Process	NRCI-PRC-01-E - Must be submitted for all Covered Processes

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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
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Indoor Lighting	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls.
Indoor Lighting	NRCA-LTI-03-A - Automatic Daylight Controls.
Covered Process	NRCA-PRC-03-F Garage Exhaust
Covered Process	NRCA-PRC-12-F Elevator Lighting & Ventilation Controls
Covered Process	NRCA-PRC-13-F Escalators & Moving Walkways Speed 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
Mechanical	NRCA-MCH-05-A - Air Economizer Controls
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.
Mechanical	NRCA-MCH-07-A Supply Fan Variable Flow Controls
Mechanical	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units

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
There are no Certificates of Verification applicable to this project

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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:	Documentation Author Signature:
Company: DEBUG	Signature Date:
Address:	CEA/HERS Certification Identification (if applicable):
City/State/Zip: ,	Phone:

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"> The information provided on this Certificate of Compliance is true and correct. 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) 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. 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. 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. 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: Michael Gray	Responsible Designer Signature:	
Company: Architectural Services		
Address: 440 Yuba Dr. Suite C	Date Signed:	
City/State/Zip: Sacramento, CA 95833	License #: C12344	
Phone: (916) 555-5678	Title:	Scope:
Responsible Designer Name: Alan Lux	Responsible Designer Signature:	
Company: Luminaire Design		
Address: 3030 Pine	Date Signed:	
City/State/Zip: Los Altos, CA 92334	License #: KS-3345	
Phone: (916) 555-4321	Title:	Scope:

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Responsible Designer Name: Robert Harper, P.E	Responsible Designer Signature:	
Company: Harper Associates		
Address: 4519 E. Hwy 20	Date Signed:	
City/State/Zip: Sacramento, CA 98776	License #: ML-2039	
Phone: (916) 555-9245	Title:	Scope: