



Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 1 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

A. GENERAL INFORMATION					
1.	Project Location (city)	- specify -	8.	Standards Version	Compliance2019
2.	CA Zip Code	95814	9.	Compliance Software (version)	CBECC-Com 2019.1.3
3.	Climate Zone	12	10.	Weather File	SACRAMENTO-EXECUTIVE_724830_CZ2010.epw
4.	Total Conditioned Floor Area in Scope	498,589 ft²	11.	Building Orientation (deg)	<div><div></div>0 deg</div>
5.	Total Unconditioned Floor Area	0 ft²	12.	Permitted Scope of Work	NewComplete
6.	Total # of Stories (Habitable Above Grade)	12	13	Building Type(s)	Nonresidential
7.	Total # of dwelling units	0	14	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	
Envelope (see Table G)	<input checked="" type="checkbox"/>	Performance	Covered Process: Commercial Kitchens	<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).	
	<input type="checkbox"/>	Not Included		<input checked="" type="checkbox"/>	Not Included		
Mechanical (see Table H)	<input checked="" type="checkbox"/>	Performance	Covered Process: Computer Rooms	<input type="checkbox"/>	Performance	Indoor Lighting (Unconditioned)§140.6	NRCC-LTI-E
	<input type="checkbox"/>	Not Included		<input checked="" type="checkbox"/>	Not Included	Outdoor Lighting §140.7	NRCC-LTO-E
Domestic Hot Water (see Table I)	<input checked="" type="checkbox"/>	Performance	Covered Process: Laboratory Exhaust	<input type="checkbox"/>	Performance	Sign Lighting §140.8	NRCC -LTS-E
	<input type="checkbox"/>	Not Included		<input checked="" type="checkbox"/>	Not Included	Mandatory Measures	
Lighting (Indoor Conditioned, see Table K)	<input checked="" type="checkbox"/>	Performance				Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)	
	<input type="checkbox"/>	Not Included				Electrical Power Distribution S110.11	NRCC-ELC-E is required
Solar Thermal Water Heating (see Table I)	<input type="checkbox"/>	Performance				Commissioning S120.8	NRCC-CXR-E is required
	<input checked="" type="checkbox"/>	Not Included				Solar Ready S110.10	NRCC-SRA-E is required

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 2 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft²-yr)

COMPLIES			
Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹
Space Heating	10.71	10.71	--
Space Cooling	26.96	26.96	--
Indoor Fans	17.18	17.18	--
Heat Rejection	3.35	3.35	--
Pumps & Misc.	6.71	6.71	--
Domestic Hot Water	7.41	7.41	--
Indoor Lighting	33.37	33.37	--
ENERGY STANDARDS COMPLIANCE TOTAL	105.69	105.69	-- (0.0%)

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

<input type="checkbox"/> This project is pursuing CalGreen Tier 1		<input type="checkbox"/> This project is pursuing CalGreen Tier 2	
Miscellaneous Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV) ¹
Receptacle	120.68	120.68	--
Process	--	--	--
Other Ltg	--	--	--
Process Motors	--	--	--
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	226.37	226.37	0.0 (0.0%)

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

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 3 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

C3. 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	0.2	0.2	0.0	2,695.7	2,695.7	--
Space Cooling	289.9	289.9	0.0	--	--	--
Indoor Fans	286.1	286.1	0.0	--	--	--
Heat Rejection	36.1	36.1	0.0	--	--	--
Pumps & Misc.	91.7	91.7	0.0	--	--	--
Domestic Hot Water	131.9	131.9	0.0	--	--	--
Indoor Lighting	586.4	586.4	0.0	--	--	--
Compliance Total	1,422.3	1,422.3	--	2,695.7	2,695.7	--
Receptacle	2,135.6	2,135.6	--	--	--	--
Process	--	--	--	--	--	--
 Other Ltg	--	--	--	--	--	--
 Process Motors	--	--	--	--	--	--
TOTAL	3,557.9	3,557.9	--	2,695.7	2,695.7	--

C4. UNMET LOAD HOURS

This Section Does Not Apply

D. EXCEPTIONAL CONDITIONS

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.

E. HERS VERIFICATION

This Section Does Not Apply

F. ADDITIONAL REMARKS

This Section Does Not Apply

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 4 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

1	2	3	4
Opaque Surfaces & Orientation	Total Gross Surface Area (ft ²)	Total Fenestration Area (ft ²)	Window to Wall Ratio (%)
North-Facing ¹	37,418 ft ²	14,439 ft ²	38.6%
East-Facing ²	24,945 ft ²	9,625 ft ²	38.6%
South-Facing ³	37,418 ft ²	14,439 ft ²	38.6%
West-Facing ⁴	24,945 ft ²	9,625 ft ²	38.6%
Total	124,726 ft ²	48,129 ft ²	38.6%
Roof	0 ft ²	0 ft ²	00.0%

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 due west (NW), but excluding 45°00'00" south of west (SW).

G2. CRRC ROOFING PRODUCT SUMMARY

1	2	3	4	5
Assembly Name	Roof Pitch	Aged Solar Reflectance	Thermal Emittance	SRI
Base_CZ12-FlatNonresWoodFramingAndOtherRoofU034	Low-Slope	0.63	0.85	Not Provided

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9
Surface Name	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	Factor / F-Factor / C-Factor	Status ¹	Description of Assembly Layers
Base_CZ12-SlabOnOrBelowGradeF073	UndergroundFloor	38353	NA	0	NA	F-Factor: 0.730	N	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0
Base_CZ12-BelowGradeWallC114	UndergroundWall	6398	NA	0	NA	C-Factor: 1.140	N	Concrete - Solid Grout - 115 lb/ft3 - 8 in.
Base_CZ12-NonresMetalFrameWallU062	ExteriorWall	124726	Metal	0	14	U-Factor: 0.062	N	Stucco - 7/8 in. Compliance Insulation R13.99 Air - Metal Wall Framing - 16 or 24 in. OC Gypsum Board - 1/2 in.

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 5 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9
Surface Name	Surface Type	Area (ft ²)	Framing Type	Cavity R-Value	Continuous R-Value	U-Factor / F-Factor / C-Factor	Status ¹	Description of Assembly Layers
NACM_Interior Wall	InteriorWall	82552	Metal	0	NA	U-Factor: 0.319	N	Gypsum Board - 5/8 in. Air - Metal Wall Framing - 16 or 24 in. OC Gypsum Board - 5/8 in.
Base_CZ12-FlatNonresWoodFramingAndOtherRoof U034	Roof	38353	NA	0	29	U-Factor: 0.034	N	Metal Standing Seam - 1/16 in. Compliance Insulation R28.63
NACM_Interior Floor	InteriorFloor	460236	NA	0	NA	U-Factor: 0.238	N	Metal Deck - 1/16 in. Concrete - 140 lb/ft ³ - 4 in. Carpet - 3/4 in.
NACM_Drop Ceiling	InteriorFloor	460236	NA	0	NA	U-Factor: 0.292	N	Acoustic Tile - 3/4 in.

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

G4. OPAQUE DOOR SUMMARY

This Section Does Not Apply

G5. FENESTRATION ASSEMBLY SUMMARY

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
Base_AllCZ_FixedWindowU36	VerticalFenestration FixedWindow N/A	NFRC Rated	Manufactured	48129	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.

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

G6. OVERHANG DETAILS

This Section Does Not Apply

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 6 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

G6. OVERHANG DETAILS

This Section Does Not Apply

H. HVAC SYSTEM SUMMARY

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers etc.)

Dry System Equipment¹ (Fan & Economizer info included below in Table N)

1	2	3	4	5	6	7	8	9	10
Equipment Name	Equipment Type	Qty	Heating			Cooling			Status ⁵
			Total Heating Output (kBtu/h)	Supp Heat Source (Y/N)	Supp Heat Output (kBtu/h)	Efficiency	Total Cooling Output (kBtu/h)	Efficiency	
BaseAirSys6-Basement	VAV (Packaged3Phase)	1	251	No	0	NA	864	NA	N
BaseAirSys6-Bot	VAV (Packaged3Phase)	1	411	No	0	NA	1210	NA	N
BaseAirSys6-Mid	VAV (Packaged3Phase)	5	437	No	0	NA	1340	NA	N
BaseAirSys6-Hi	VAV (Packaged3Phase)	5	438	No	0	NA	1338	NA	N
BaseAirSys6-Top	VAV (Packaged3Phase)	1	721	No	0	NA	1252	NA	N

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

H2. FAN SYSTEMS SUMMARY¹

1	2	3	4	5	6	7	8	9	10	11	12	13
Name or Item Tag	System Type	Design OA	Supply Fan			Return Fan			Economizer Type (if present)			Status ⁵
	packaged, DOAS, etc.	CFM	CFM	BHP	Watts	Control	CFM	BHP	Watts	Control		
BaseAirSys6-Basement	VAV	5753	26174	34.026	26960.7	VariableSpeedDrive	NA	NA	NA	NA	DifferentialDryBu lb	N
BaseAirSys6-Bot	VAV	5753	28374	36.886	29226.3	VariableSpeedDrive	NA	NA	NA	NA	DifferentialDryBu lb	N
BaseAirSys6-Mid	VAV	5753	31349	40.754	32154.6	VariableSpeedDrive	NA	NA	NA	NA	DifferentialDryBu lb	N
BaseAirSys6-Hi	VAV	5753	31322	40.719	32127.0	VariableSpeedDrive	NA	NA	NA	NA	DifferentialDryBu lb	N

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 7 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

H2. FAN SYSTEMS SUMMARY¹

1	2	3	4	5	6	7	8	9	10	11	12	13
Name or Item Tag	System Type	Design OA	Supply Fan				Return Fan				Economizer Type (if present)	Status ⁵
	packaged, DOAS, etc.	CFM	CFM	BHP	Watts	Control	CFM	BHP	Watts	Control		
BaseAirSys6-Top	VAV	5753	29639	38.530	30529.4	VariableSpeedDrive	NA	NA	NA	NA	DifferentialDryBulb	N

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

H3. EXHAUST FAN SUMMARY

This Section Does Not Apply

H4. Wet System Equipment (boilers, chillers, cooling towers, etc.)

1	2	3	4	5	6	7	8	9	10	11	12
Name or Item Tag	Equipment Type	Qty	Vol (gal)	Rated Capacity (kBtu/h)	Efficiency	Standby Loss	Pumps				Status ¹
							Qty	GPM	HP	VSD (Y/N)	
Prop Blr-1	HotWater	NA	NA	2944	Thrm. Eff: 0.80	NA	1	147.1	5.000	Yes	N
Prop Blr-2	HotWater	NA	NA	2944	Thrm. Eff: 0.80	NA	1	147.1	5.000	Yes	N
Prop Tower-1	OpenTower	NA	NA	5860	NA	NA	1	1176.6	20.000	No	N
Prop Tower-2	OpenTower	NA	NA	5860	NA	NA	1	1176.6	20.000	No	N
Prop Chlr-1	Centrifugal	NA	NA	5024	kW/ton: 0.585	NA	1	502.2	15.000	Yes	N
Prop Chlr-2	Centrifugal	NA	NA	5024	kW/ton: 0.585	NA	1	502.2	15.000	Yes	N

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

H5. SYSTEM SPECIAL FEATURES

1	2	3	4	5	6
System Name	Optimum Start	Window Interlocks per §140.4(n)	Evaporative Cooling	Heat Recovery	Other Controls
BaseAirSys6-Basement	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 8 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

H5. SYSTEM SPECIAL FEATURES

1	2	3	4	5	6
System Name	Optimum Start	Window Interlocks per §140.4(n)	Evaporative Cooling	Heat Recovery	Other Controls
BaseAirSys6-Bot	Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset
BaseAirSys6-Mid	Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset
BaseAirSys6-Hi	Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset
BaseAirSys6-Top	Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, DDC Controls and Dual Maximum Reheat Controls Differential Drybulb Economizer Warmest Zone Supply Air Temp. Reset
SHWFluidSysElec	NA	NA	NA	NA	Fixed Temperature Control, No DDC
Prop_HWSysSystem	NA	NA	NA	NA	Fixed Temperature Control, DDC
Prop_CWSysSystem	NA	NA	NA	NA	Fixed Temperature Control, DDC
Prop_ChWSysSystem	NA	NA	NA	NA	Outside Air Reset Temperature Control, DDC

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.

H6. MECHANICAL VENTILATION

1	2	3	4	5	6	7	8	9
Zone Name	Mechanical Ventilation							DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# hotel rooms	# of people	# of bedrooms	Supply OA CFM	Exhaust CFM	Conditioned Area (sf)	
Basement Thermal Zone	Office - Office space	0	191.76	0	5753	0	38353	NA
Core_bottom Thermal Zone	Office - Office space	0	136.29	0	4089	0	27258	NA
Perimeter_bot_ZN_1 Thermal Zone	Office - Office space	0	16.87	0	506	0	3374	NA

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 9 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

H6. MECHANICAL VENTILATION

1	2	3	4	5	6	7	8	9
Zone Name	Mechanical Ventilation							DCV or Occupant Sensor Controls, or Both
	Ventilation Function	# hotel rooms	# of people	# of bedrooms	Supply OA CFM	Exhaust CFM	Conditioned Area (sf)	
Perimeter_bot_ZN_2 Thermal Zone	Office - Office space	0	10.87	0	326	0	2174	NA
Perimeter_bot_ZN_3 Thermal Zone	Office - Office space	0	16.87	0	506	0	3374	NA
Perimeter_bot_ZN_4 Thermal Zone	Office - Office space	0	10.87	0	326	0	2174	NA
Core_mid Thermal Zone	Office - Office space	0	136.29	0	4089	0	27258	NA
Perimeter_mid_ZN_1 Thermal Zone	Office - Office space	0	16.87	0	506	0	3374	NA
Perimeter_mid_ZN_2 Thermal Zone	Office - Office space	0	10.87	0	326	0	2174	NA
Perimeter_mid_ZN_3 Thermal Zone	Office - Office space	0	16.87	0	506	0	3374	NA
Perimeter_mid_ZN_4 Thermal Zone	Office - Office space	0	10.87	0	326	0	2174	NA
Core_hi Thermal Zone	Office - Office space	0	136.29	0	4089	0	27258	NA
Perimeter_hi_ZN_1 Thermal Zone	Office - Office space	0	16.87	0	506	0	3374	NA
Perimeter_hi_ZN_2 Thermal Zone	Office - Office space	0	10.87	0	326	0	2174	NA
Perimeter_hi_ZN_3 Thermal Zone	Office - Office space	0	16.87	0	506	0	3374	NA
Perimeter_hi_ZN_4 Thermal Zone	Office - Office space	0	10.87	0	326	0	2174	NA
Core_top Thermal Zone	Office - Office space	0	136.29	0	4089	0	27258	NA
Perimeter_top_ZN_1 Thermal Zone	Office - Office space	0	16.87	0	506	0	3374	NA
Perimeter_top_ZN_2 Thermal Zone	Office - Office space	0	10.87	0	326	0	2174	NA
Perimeter_top_ZN_3 Thermal Zone	Office - Office space	0	16.87	0	506	0	3374	NA
Perimeter_top_ZN_4 Thermal Zone	Office - Office space	0	10.87	0	326	0	2174	NA

Multifamily or Hotel/Motel Occupancy? (if "Yes", see DOMESTIC/SERVICE HOT WATER SYSTEM SUMMARY)	No
Does the Project include Zonal Systems?	No



Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 10 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

H7. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12
System ID	Zone Name	System Type	Rated Capacity (kBtuh)		Design	Airflow (cfm)		Fan			
			Heating	Cooling		Min.	Min. Ratio	BHP	Watts	Cycles	ECM Motor
BaseVAVTrmlUnit	Basement Thermal Zone	VAVReheatBox	138.00	NA	26174	5753	0.22	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-2	Core_bottom Thermal Zone	VAVReheatBox	130.00	NA	20901	4180	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-3	Perimeter_bot_ZN_1 Thermal Zone	VAVReheatBox	54.00	NA	4071	814	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-4	Perimeter_bot_ZN_2 Thermal Zone	VAVReheatBox	36.00	NA	2538	508	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-5	Perimeter_bot_ZN_3 Thermal Zone	VAVReheatBox	54.00	NA	2298	506	0.22	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-6	Perimeter_bot_ZN_4 Thermal Zone	VAVReheatBox	36.00	NA	2755	551	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-7	Core_mid Thermal Zone	VAVReheatBox	150.00	NA	23209	4642	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-8	Perimeter_mid_ZN_1 Thermal Zone	VAVReheatBox	62.00	NA	4202	840	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-9	Perimeter_mid_ZN_2 Thermal Zone	VAVReheatBox	40.00	NA	2614	523	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-10	Perimeter_mid_ZN_3 Thermal Zone	VAVReheatBox	62.00	NA	2486	506	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-11	Perimeter_mid_ZN_4 Thermal Zone	VAVReheatBox	41.00	NA	2800	560	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-12	Core_hi Thermal Zone	VAVReheatBox	151.00	NA	23198	4640	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-13	Perimeter_hi_ZN_1 Thermal Zone	VAVReheatBox	62.00	NA	4183	837	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-14	Perimeter_hi_ZN_2 Thermal Zone	VAVReheatBox	41.00	NA	2605	521	0.20	NA	NA	NA	<input type="checkbox"/>

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 11 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

H7. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12	
System ID	Zone Name	System Type	Rated Capacity (kBtuh)		Airflow (cfm)			Fan				
			Heating	Cooling	Design	Min.	Min. Ratio	BHP	Watts	Cycles	ECM Motor	
BaseVAVTrmlUnit-15	Perimeter_hi_ZN_3 Thermal Zone	VAVReheatBox	62.00	NA	2479		506	0.20	NA		NA	<input type="checkbox"/>
BaseVAVTrmlUnit-16	Perimeter_hi_ZN_4 Thermal Zone	VAVReheatBox	41.00	NA	2791		558	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-17	Core_top Thermal Zone	VAVReheatBox	352.00	NA	22104		4421	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-18	Perimeter_top_ZN_1 Thermal Zone	VAVReheatBox	83.00	NA	4206		841	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-19	Perimeter_top_ZN_2 Thermal Zone	VAVReheatBox	55.00	NA	2592		518	0.20	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-20	Perimeter_top_ZN_3 Thermal Zone	VAVReheatBox	83.00	NA	2363		506	0.21	NA	NA	NA	<input type="checkbox"/>
BaseVAVTrmlUnit-21	Perimeter_top_ZN_4 Thermal Zone	VAVReheatBox	55.00	NA	2920		584	0.20	NA	NA	NA	<input type="checkbox"/>

H8. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

I. DOMESTIC/SERVICE HOT WATER SYSTEM SUMMARY

I1. DHW EQUIPMENT 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
WaterHeaterElec	Electricity	Storage	1	179.49	52.3 (kW)	Thrm. Eff.: 1.00	NA	SBLF: 0.005	NA	NA

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 12 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

12. MULTI-FAMILY CENTRAL DHW SYSTEM DETAILS

This Section Does Not Apply

13. SOLAR HOT WATER HEATING SUMMARY

This Section Does Not Apply

J. COVERED PROCESS SUMMARY



This Section Does Not Apply

K. INDOOR LIGHTING SUMMARY

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO

						Confirmed	
1	2	3	4	5		Pass	Fail
Occupancy Type ¹	Conditioned Floor Area ² (ft ²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Additional (Custom) Allowance		<input type="checkbox"/>	<input type="checkbox"/>
				Area Category Footnotes (Watts)	Tailored Method (Watts)		
Office Area (Open plan office)	498,589	299,152	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>
Building Totals:	498,589	299,152	0	0	0		

¹ See Table 140.6-C

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

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

K2. INDOOR CONDITIONED LIGHTING SCHEDULE

This Section Does Not Apply

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

This Section Does Not Apply

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 13 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

K4: INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS

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

K5. TAILORED METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST

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

K6. GENERAL LIGHTING POWER

This Section Does Not Apply

K7. GENERAL LIGHTING FROM SPECIAL FUNCTION AREA

Room Number	Primary Function Area	Illuminance Value (LUX)	Room Cavity Ratio (Table G)	Allowed LPD	Floor Area (ft²)	Allowed Watts	Confirmed	
							Pass	Fail
NA	NA	NA	NA	NA	NA	NA	<input type="checkbox"/>	<input type="checkbox"/>

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

K8. ROOM CAVITY RATIO

Rectangular Spaces							
Room Number	Task/Activity Description	Room Length (ft)	Room Width (ft)	Room Cavity Height (ft)	RCR	Confirmed	
						Pass	Fail
NA	NA	NA	NA	NA	NA	<input type="checkbox"/>	<input type="checkbox"/>

Non-Rectangular Spaces

This Section Does Not Apply

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

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 14 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

K9. ADDITIONAL "USE IT OR LOSE IT"						
1.	2.	3.	4.	Allowed Watts	Confirmed	
Wall Display	Combined Floor Display and Task Lighting	Combined Ornamental and Special Effects Lighting	Very Valuable Merchandise		Pass	Fail
0	0	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

K10. Wall Display
This Section Does Not Apply

K11. Floor Display and Task Lighting
This Section Does Not Apply

K12. Combined Ornamental and Special Effects Lighting
This Section Does Not Apply

K13. Very Valuable Merchandise
This Section Does Not Apply

Not useable for compliance

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 15 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

L. 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 must 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	Field Inspector	
				Pass	Fail
Envelope	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCI-ENV-01-E - Must be submitted for all buildings	<input type="checkbox"/>	<input type="checkbox"/>
Mechanical	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCI-MCH-01-E - Must be submitted for all buildings	<input type="checkbox"/>	<input type="checkbox"/>
Plumbing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCI-PLB-01-E - Must be submitted for all buildings	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCI-PLB-02-E - Must be submitted for high-rise residential and hotel/ motel central hot water distribution systems to be recognized for compliance	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCI-PLB-03-E - Must be submitted for high-rise residential and hotel/motel single dwelling unit hot water system distribution systems to be recognized for compliance	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCI-PLB-21-E - Must be HERS verified for central systems in high-rise residential hotel/ motel application	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCI-PLB-22-E - Must be HERS verified for single dwelling unit systems in high-rise residential, hotel/motel application	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCI-STH-01-E - Must be submitted for solar hot water heating systems	<input type="checkbox"/>	<input type="checkbox"/>
Indoor Lighting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCI-LTI-01-E - Must be submitted for all buildings	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance	<input type="checkbox"/>	<input type="checkbox"/>
Covered Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCI-PRC-01-E - Must be submitted for all Covered Processes	<input type="checkbox"/>	<input type="checkbox"/>

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 16 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

M. 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	Field Inspector	
				Pass	Fail
Envelope	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-ENV-02-F - NRFC label verification for fenestration	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	NRCA-ENV-03-F - Daylighting Design PAFs	<input type="checkbox"/>	<input type="checkbox"/>
Indoor Lighting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTI-03-A - Automatic Daylight Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTI-04-A - Demand Responsive Lighting Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-LTI-05-A - Institutional Tuning Power Adjustment Factor (PAF)	<input type="checkbox"/>	<input type="checkbox"/>
Covered Process	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-PRC-02-F - Kitchen Exhaust	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-PRC-03-F - Garage Exhaust	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-PRC-12-F - Elevator Lighting and Ventilation Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-PRC-13-F - Escalator and Moving Walkways Speed Control	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-PRC-14-F - Lab Exhaust Ventilation System	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-PRC-15-F - Fume Hood Automatic Sash Closures System	<input type="checkbox"/>	<input type="checkbox"/>

Not useable for compliance

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 17 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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Building Component	YES	NO	Form/Title	Field Inspector	
				Pass	Fail
Mechanical	<input checked="" type="checkbox"/>	<input type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-03-A Constant Volume Single Zone HVAC	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-04(a)-H Air Distribution Duct Leakage - HERS Verification required	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-04(b)-A Air Distribution Duct Leakage - ATT only	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-05-A Air Economizer Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	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	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-07-A Supply Fan Variable Flow Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-08-A Valve Leakage Test	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-09-A Supply Water Temperature Reset Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-10-A Hydronic System Variable Flow Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-11-A Automatic Demand Shed Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-14-A Distributed Energy Storage DX AC Systems Acceptance	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-15-A Thermal Energy Storage (TES) System Acceptance	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-16-A Supply Air Temperature Reset Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-17-A Condenser Water Temperature Reset Controls	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-MCH-18 Energy Management Control Systems	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCA-MCH-19 Occupancy Sensor Controls	<input type="checkbox"/>	<input type="checkbox"/>

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 18 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

N. 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 must 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	YES	NO	Form/Title	Field Inspector	
				Pass	Fail
Mechanical	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCV-MCH-04-H Duct Leakage Test	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCV-MCH-24-H Enclosure Air Leakage	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCV-MCH-27 Indoor Air Quality & Mechanical Ventilation	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCV-MCH-32-H Local Mechanical Exhaust	<input type="checkbox"/>	<input type="checkbox"/>
Plumbing	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCV-PLB-21-H - HERS verified central systems in high-rise residential, hotel/motel application	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCV-PLB-22-H - HERS verified single dwelling unit systems in high-rise residential, hotel/motel application	<input type="checkbox"/>	<input type="checkbox"/>

Not useable for compliance

Project Name:	040012-OffLrg-CECStd19	NRCC-PRF-01-E	Page 19 of 19
Project Address:	95814	Calculation Date/Time:	12:36, Tue, Oct 20, 2020
Input File Name:	040012-OffLrg-CECStd.cibd19		

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT


I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Signature:
Company:	
Address:	Signature Date: 2020-10-20
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: 	Signature:	
Company:		
Address:	Date Signed:	
City/State/Zip:		
Phone:	Title:	License #:
Responsible Lighting Designer Name:	Signature:	
Company:		
Address:	Date Signed:	
City/State/Zip:		
Phone:	Title:	License #:
Responsible Mechanical Designer Name: - specify -	Signature:	
Company:		
Address:	Date Signed:	
City/State/Zip:		
Phone:	Title:	License #: