THE MERIDIAN

3941 Stevens Creek
Santa Clara, CA

ENERGY CODE COMPLIANCE

TITLE 24, PART 6 - PERFORMANCE COMPLIANCE
TITLE 24, PART 6 - SOLAR READY AREA
TITLE 24, PART 6 - COVERED PROCESS
TITLE 24, PART 6 - COMMISSIONING
TITLE 24, PART 6 - INDOOR LIGHTING (UNCONDITIONED)
TITLE 24, PART 6 - OUTDOOR LIGHTING
TITLE 24, PART 6 - ELECTRICAL POWER DISTRIBUTION

A. GENERAL INFORMATION

1	Project Location (city)	Santa Clara	**8**	Standards Version	Compliance2019
2	CA Zip Code	95051	**9**	Compliance Software (version)	CBECC-Com 2019.1.3
3	Climate Zone	4	**10**	Weather File	SAN-JOSE-INTL_724945_CZ2010.epw
4	Total Conditioned Floor Area in Scope	73,553 ft^2	**11**	Building Orientation (deg)	(N) 0 deg
5	Total Unconditioned Floor Area	15,040 ft^2	**12**	Permitted Scope of Work	NewComplete
6	Total # of Stories (Habitable Above Grade)	6	13	Building Type(s)	Mixed Occupancy
7	Total # of dwelling units	59	14	Gas Type	None

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)	☒	Performance	Covered Process: Commercial Kitchens	☐	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).*	
	☐	Not Included		☒	Not Included		
Mechanical (see Table H)	☒	Performance	Covered Process: Computer Rooms	☐	Performance	Indoor Lighting (Unconditioned)§140.6	*NRCC-LTI-E*
	☐	Not Included		☒	Not Included	Outdoor Lighting §140.7	*NRCC-LTO-E*
Domestic Hot Water (see Table I)	☒	Performance	Covered Process: Laboratory Exhaust	☐	Performance	Sign Lighting §140.8	*NRCC -LTS-E*
	☐	Not Included		☒	Not Included	Mandatory Measures	
Lighting (Indoor Conditioned, see Table K)	☒	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.)*	
	☐	Not Included				Electrical Power Distribution S110.11	*NRCC-ELC-E*
Solar Thermal Water Heating (see Table I)	☐	Performance				Commissioning S120.8	*NRCC-CXR-E*
	☒	Not Included				Solar Ready S110.10	*NRCC-SRA-E*

Project Name:	3941 Stevens Creek	NRCC-PRF-01-E	Page 2 of 40
Project Address:	3941 Stevens Creek Blvd Santa Clara 95051	Calculation Date/Time:	11:40, Fri, Oct 22, 2021
Input File Name:	3941 Stevens Creek - model 2021 10.cibd19		

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

COMPLIES

Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Space Heating	6.88	8.86	-1.98
Space Cooling	13.40	16.70	-3.30
Indoor Fans	23.69	12.59	11.10
Heat Rejection	0.81	--	0.81
Pumps & Misc.	2.13	--	2.13
Domestic Hot Water	18.66	27.18	-8.52
Indoor Lighting	13.33	5.26	8.07
Flexibility	--	-3.64	3.64
ENERGY STANDARDS COMPLIANCE TOTAL	**78.90**	**66.95**	**11.95 (15.1%)**

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

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS[1]

☐ 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	52.39	52.39	--
Process	--	--	--
Other Ltg	39.77	39.77	--
Process Motors	0.36	0.36	--
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	**171.42**	**159.47**	**12.0 (7.0%)**

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

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	0.0	26.7	--	249.0	--	--
Space Cooling	16.6	20.8	-4.2	--	--	--
Indoor Fans	57.4	31.2	26.2	--	--	--
Heat Rejection	1.0	--	--	--	--	--
Pumps & Misc.	4.7	--	--	--	--	--
Domestic Hot Water	1.5	70.8	-69.3	730.6	--	--
Indoor Lighting	33.3	13.1	20.2	--	--	--
Compliance Total	**114.5**	**162.6**	**-48.1**	**979.6**	**0.0**	**--**
Receptacle	133.6	133.6	0.0	--	--	--
Process	--	--	--	--	--	--
Other Ltg	101.5	101.5	0.0	--	--	--
Process Motors	0.9	0.9	0.0	--	--	--
TOTAL	**350.5**	**398.6**	**-48.1**	**979.6**	**0.0**	**--**

D. EXCEPTIONAL CONDITIONS

Solar thermal flexibility credit taken – 6.7 kWdc min. PV system required

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.

This 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.

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

- Unconditioned areas, where included in the model, are modeled with mechanical systems that provide code required ventilation levels, but that do not necessarily represent the specified ventilation systems for these areas.
- Unconditioned parking garage areas are included in the model, though lighting and process compliance for these areas are demonstrated separately by the applicable prescriptive compliance forms.
- Lighting compliance for interior, unconditioned spaces is demonstrated elsewhere in the project plans by the applicable prescriptive compliance forms
- Due to its fixed setpoints, CBECC-Com shows 'unmet load hours' in the second level residential corridor spaces. The mechanical design strategy includes and accepts this condition. However, because CBECC-Com will not enable the PRF-01 to be used for compliance with annual unmet hours > 150, the compliance model includes a system serving this zone that will not be included in the actual building.
- While included in the model, the ground level flex space area is not included under this permit. Mechanical systems modeled for this space represent the anticipated type and meet minimum equipment efficiency requirements.
- A standalone heat pump water heater, representative of the HPWH central system, is modeled to serve the building's Nonresidential spaces, even though it will not be part of the actual building, which will be entirely served by the central HPWH and its recirculation system. This approach is necessary because the CBECC-Com compliance software does not enable assigning Nonresidential space types to the central HPWH recirculation system, since the software identifies it as a 'residential system'.

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]	9,250 ft^2	2,090 ft^2	22.6%
East-Facing[2]	7,883 ft^2	1,106 ft^2	14.0%
South-Facing[3]	12,560 ft^2	1,971 ft^2	15.7%
West-Facing[4]	8,106 ft^2	861 ft^2	10.6%
Total	**37,799 ft^2**	**6,028 ft^2**	**15.9%**
Roof	14,210 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**
Roof typ - type III	Low-Slope	0.70	0.85	Not Provided

G2. CRRC ROOFING PRODUCT SUMMARY

1	2	3	4	5
Assembly Name	**Roof Pitch**	**Aged Solar Reflectance**	**Thermal Emittance**	**SRI**
Roof typ - type III - uncond	Low-Slope	0.70	0.85	Not Provided

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10
Surface Name	**Surface Type**	**Area (ft^2)**	**Framing Type**	**Cavity R-Value**	**Continuous R-Value**	**Units**	**Value**	**Description of Assembly Layers**	**Status[1]**
Slab on grade	UndergroundFloor	18202	NA	0	NA	F-Factor	0.73	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0	N
Ext wall - type III	ExteriorWall	37364	Wood	21	NA	U-Factor	0.061	Stucco - 7/8 in. Gypsum Board - 5/8 in. Plywood - 5/8 in. Wood framed wall, 16in. OC, 5.5in., R-21 Gypsum Board - 5/8 in.	N
Ext wall - type I	ExteriorWall	2798	Metal	21	NA	U-Factor	0.151	Stucco - 7/8 in. Plywood - 3/4 in. Metal framed wall, 16in. OC, 5.5in., R-21 Gypsum Board - 5/8 in.	N
Int wall - type I	InteriorWall	1555	Metal	21	NA	U-Factor	0.140	Gypsum Board - 5/8 in. Metal framed wall, 16in. OC, 5.5in., R-21 Gypsum Board - 5/8 in. Gypsum Board - 5/8 in.	N
Int wall - type III - demising	InteriorWall	16772	Wood	21	NA	U-Factor	0.063	Gypsum Board - 5/8 in. Wood framed wall, 16in. OC, 5.5in., R-21 Gypsum Board - 5/8 in.	N
Int wall - type III - corridor	InteriorWall	27055	Wood	21	NA	U-Factor	0.063	Gypsum Board - 5/8 in. Wood framed wall, 16in. OC, 5.5in., R-21 Gypsum Board - 5/8 in.	N
Ext wall - conc uncond	ExteriorWall	5854	NA	0	NA	U-Factor	0.575	Concrete - 140 lb/ft3 - 12 in.	N

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10
Surface Name	**Surface Type**	**Area (ft^2)**	**Framing Type**	**Cavity R-Value**	**Continuous R-Value**	**Units**	**Value**	**Description of Assembly Layers**	**Status[1]**
Int wall - conc	InteriorWall	3568	NA	0	NA	U-Factor	0.476	Concrete - 140 lb/ft3 - 10 in.	N
Int wall - conc uncond	InteriorWall	1198	NA	0	NA	U-Factor	0.476	Concrete - 140 lb/ft3 - 10 in.	N
Int wall - type I - demising	InteriorWall	160	Metal	21	NA	U-Factor	0.140	Gypsum Board - 5/8 in. Metal framed wall, 16in. OC, 5.5in., R-21 Gypsum Board - 5/8 in. Gypsum Board - 5/8 in.	N
Int floor - type I	InteriorFloor	13496	NA	0	NA	U-Factor	0.184	Carpet - 3/4 in. Plywood - 5/8 in. Concrete - 140 lb/ft3 - 10 in.	N
Int floor - type III	InteriorFloor	46461	Wood	19	NA	U-Factor	0.043	Carpet - 3/4 in. Plywood - 5/8 in. Wood framed floor, 16in. OC, 11.25in., R-19 Gypsum Board - 5/8 in.	N
Roof typ - type I	Roof	223	NA	0	12	U-Factor	0.072	Concrete - 140 lb/ft3 - 12 in. Cellular polyisocyanurate (unfaced) - 2 in. R12 Gypsum Board - 5/8 in.	N
Roof typ - type III	Roof	14186	Wood	38	NA	U-Factor	0.030	Light Roof - 2/5 in. Plywood - 5/8 in. Wood framed roof, 16in. OC, 11.25in., R-38 Gypsum Board - 5/8 in.	N
Roof typ - type I - uncond	Roof	4539	NA	0	NA	U-Factor	0.599	Concrete - 140 lb/ft3 - 12 in.	N
Roof typ - type III - uncond	Roof	31	Wood	0	NA	U-Factor	0.417	Light Roof - 2/5 in. Plywood - 5/8 in. Wood framed roof, 16in. OC, 11.25in., R-0 Gypsum Board - 5/8 in.	N

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1	2	3	4	5	6	7	8	9	10
Surface Name	**Surface Type**	**Area (ft²)**	**Framing Type**	**Cavity R-Value**	**Continuous R-Value**	**Units**	**Value**	**Description of Assembly Layers**	**Status[1]**
Ext floor - type III	ExteriorFloor	143	Wood	30	NA	U-Factor	0.033	Wood framed floor, 16in. OC, 11.25in., R-30 Plywood - 5/8 in. Carpet - 3/4 in.	N
Ext floor - type I	ExteriorFloor	579	NA	0	NA	U-Factor	0.195	Concrete - 140 lb/ft3 - 12 in. Plywood - 5/8 in. Carpet - 3/4 in.	N
Int floor - type III - corridor	InteriorFloor	7000	Wood	30	NA	U-Factor	0.032	Carpet - 3/4 in. Plywood - 5/8 in. Wood framed floor, 16in. OC, 11.25in., R-30 Gypsum Board - 5/8 in.	N
Int floor - type III - uncond	InteriorFloor	2712	Wood	0	NA	U-Factor	0.178	Carpet - 3/4 in. Plywood - 5/8 in. Wood framed roof, 16in. OC, 11.25in., R-0 Gypsum Board - 5/8 in.	N

[1] *Status: N - New, A – Altered, E – Existing*

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 ft²**	**Overall U-factor**	**Overall SHGC**	**Overall VT**	**Status[2]**
type A - fx	VerticalFenestration FixedWindow N/A	NFRC Rated	Manufactured	355	0.28	0.20	0.50	N
type B - cs	VerticalFenestration OperableWindow N/A	NFRC Rated	Manufactured	246	0.28	0.20	0.50	N

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 ft²**	**Overall U-factor**	**Overall SHGC**	**Overall VT**	**Status[2]**
type C - hsl	VerticalFenestration OperableWindow N/A	NFRC Rated	Manufactured	2925	0.28	0.20	0.50	N
type D - cs	VerticalFenestration OperableWindow N/A	NFRC Rated	Manufactured	75	0.28	0.20	0.50	N
type E - cs	VerticalFenestration OperableWindow N/A	NFRC Rated	Manufactured	1980	0.28	0.20	0.50	N
type F - cs	VerticalFenestration OperableWindow N/A	NFRC Rated	Manufactured	122	0.28	0.20	0.50	N
type A - fx - demising	VerticalFenestration FixedWindow N/A	NFRC Rated	Manufactured	98	0.28	0.20	0.00	N
type P - hsl	VerticalFenestration OperableWindow N/A	NFRC Rated	Manufactured	135	0.28	0.20	0.50	N
Storefront	VerticalFenestration CurtainWall N/A	NFRC Rated	Manufactured	144	0.47	0.27	0.60	N
Storefront - glazed door	VerticalFenestration GlazedDoor N/A	NFRC Rated	Manufactured	96	0.47	0.27	0.60	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

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

1	2	3	4	5	6	7	8	9	10	11	12
			Heating				Cooling				
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtuh)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status[5]
sys 2-6N CO RTU-1	SZVAVHP (Packaged3Phase)	1	54	61	HSPF	8.50	60	SEER EER	17.50 13.00	NoEconomizer	N
sys 1N-LO HP-1 FC 1-1	SZHP (Split1Phase)	1	15	0	HSPF	10.100	18	SEER EER	16.700 12.725	NoEconomizer	N
sys 1N-OF CO HP-1 FC 1-2	SZHP (Split1Phase)	1	15	0	HSPF	10.100	18	SEER EER	16.700 12.725	NoEconomizer	N
sys 2N-CR HP-2 FC-2	SZHP (Split1Phase)	1	19	0	HSPF	10.300	25	SEER EER	20.200 13.000	NoEconomizer	N
sys 1N-FS	SZHP (Split1Phase)	4	15	0	HSPF	8.200	18	SEER EER	14.000 12.200	NoEconomizer	N
sys 2N-BR HP FC-3X	SZHP (Split1Phase)	1	11	0	HSPF	12.800	9	SEER EER	24.600 13.000	NoEconomizer	N
sys 3N-TE HP FC-3X	SZHP (Split1Phase)	1	11	0	HSPF	12.800	9	SEER EER	24.600 13.000	NoEconomizer	N
sys 4N-FRW HP FC-3X	SZHP (Split1Phase)	1	11	0	HSPF	12.800	9	SEER EER	24.600 13.000	NoEconomizer	N
sys 4N-FRE HP FC-3X	SZHP (Split1Phase)	1	11	0	HSPF	12.800	9	SEER EER	24.600 13.000	NoEconomizer	N
sys 5N-FR HP FC-3X	SZHP (Split1Phase)	1	11	0	HSPF	12.800	9	SEER EER	24.600 13.000	NoEconomizer	N
sys 6N-FRW HP FC-3X	SZHP (Split1Phase)	1	11	0	HSPF	12.800	9	SEER EER	24.600 13.000	NoEconomizer	N
sys 6N-FRE HP FC-3X	SZHP (Split1Phase)	1	11	0	HSPF	12.800	9	SEER EER	24.600 13.000	NoEconomizer	N
sys 1N-EL1E HP FC-4	SZHP (Split1Phase)	1	19	0	HSPF	10.200	18	SEER EER	19.900 13.000	NoEconomizer	N
sys 1N-EL2E HP FC-5	SZHP (Split1Phase)	1	19	0	HSPF	10.200	18	SEER EER	19.900 13.000	NoEconomizer	N

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

1	2	3	4	5	6	7	8	9	10	11	12
			Heating				Cooling				
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtuh)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status[5]
sys 2N CO RTU-1-2	SZVAVHP (Packaged3Phase)	1	21	7	HSPF	8.50	24	SEER EER	17.50 13.00	NoEconomizer	N
sys 2R-202	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 2R-205	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 2R-209	PTHP (NA)	2	8	3	COP	3.5	8	EER	11.9	NA	N
sys 2R-212	PTHP (NA)	2	8	3	COP	3.5	8	EER	11.9	NA	N
sys 2R-213	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 2R-214	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 2R-215	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 2R-217	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 2R-221	PTHP (NA)	5	8	3	COP	3.5	8	EER	11.9	NA	N
sys 2R-223	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 2R-224	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-302	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-305	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-309	PTHP (NA)	2	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-312	PTHP (NA)	2	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-313	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-314	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-315	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-317	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-321	PTHP (NA)	5	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-323	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-324	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N

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

1	2	3	4	5	6	7	8	9	10	11	12
			Heating				Cooling				
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtuh)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status[5]
sys 4R-402	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 4R-405	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 4R-409	PTHP (NA)	2	8	3	COP	3.5	8	EER	11.9	NA	N
sys 4R-412	PTHP (NA)	2	8	3	COP	3.5	8	EER	11.9	NA	N
sys 4R-413	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 4R-414	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 4R-415	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 4R-417	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 4R-421	PTHP (NA)	5	8	3	COP	3.5	8	EER	11.9	NA	N
sys 4R-423	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 4R-424	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-502	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-505	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-509	PTHP (NA)	2	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-512	PTHP (NA)	2	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-513	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-514	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-515	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-517	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-521	PTHP (NA)	5	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-523	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-524	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 6R-602	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N

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

1	2	3	4	5	6	7	8	9	10	11	12
			Heating				Cooling				
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtuh)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status[5]
sys 6R-605	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 6R-609	PTHP (NA)	2	8	3	COP	3.5	8	EER	11.9	NA	N
sys 6R-612	PTHP (NA)	2	8	3	COP	3.5	8	EER	11.9	NA	N
sys 6R-613	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 6R-614	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 6R-615	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 6R-617	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 6R-621	PTHP (NA)	5	8	3	COP	3.5	8	EER	11.9	NA	N
sys 6R-623	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 6R-624	PTHP (NA)	3	8	3	COP	3.5	8	EER	11.9	NA	N
sys 3R-310	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 4R-410	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 5R-510	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N
sys 6R-610	PTHP (NA)	4	8	3	COP	3.5	8	EER	11.9	NA	N

[1] *Status: N - New, A – Altered, E – Existing*

H2. FAN SYSTEMS SUMMARY[1]

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		
sys 2-6N CO RTU-1	SZVAVHP	1343	1750	0.712	600.3	VariableSpeedDrive	NA	NA	NA	NA	NoEconomizer	N
sys 1N-LO HP-1 FC 1-1	SZHP	401	600	0.154	129.7	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N

H2. FAN SYSTEMS SUMMARY[1]

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		
sys 1N-OF CO HP-1 FC 1-2	SZHP	164	600	0.154	129.7	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 2N-CR HP-2 FC-2	SZHP	472	600	0.273	230.0	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 1N-FS	SZHP	95	600	0.174	146.6	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 2N-BR HP FC-3X	SZHP	30	364	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 3N-TE HP FC-3X	SZHP	151	364	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 4N-FRW HP FC-3X	SZHP	101	364	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 4N-FRE HP FC-3X	SZHP	151	364	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 5N-FR HP FC-3X	SZHP	151	364	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 6N-FRW HP FC-3X	SZHP	101	364	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 6N-FRE HP FC-3X	SZHP	151	364	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 1N-EL1E HP FC-4	SZHP	10	250	0.095	80.0	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 1N-EL2E HP FC-5	SZHP	7	250	0.095	80.0	ConstantVolume	NA	NA	NA	NA	NoEconomizer	N
sys 2N CO RTU-1-2	SZVAVHP	352	750	0.200	168.5	VariableSpeedDrive	NA	NA	NA	NA	NoEconomizer	N
sys 2R-202	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 2R-205	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 2R-209	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 2R-212	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 2R-213	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 2R-214	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N

H2. FAN SYSTEMS SUMMARY[1]

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		
sys 2R-215	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 2R-217	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 2R-221	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 2R-223	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 2R-224	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-302	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-305	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-309	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-312	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-313	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-314	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-315	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-317	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-321	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-323	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-324	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 4R-402	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 4R-405	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 4R-409	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 4R-412	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 4R-413	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 4R-414	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 4R-415	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 4R-417	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 4R-421	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N

H2. FAN SYSTEMS SUMMARY[1]

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		
sys 4R-423	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 4R-424	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-502	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-505	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-509	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-512	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-513	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-514	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-515	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-517	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-521	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-523	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-524	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-602	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-605	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-609	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-612	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-613	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-614	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-615	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-617	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-621	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-623	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-624	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 3R-310	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N

H2. FAN SYSTEMS SUMMARY[1]

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		
sys 4R-410	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 5R-510	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N
sys 6R-610	PTHP	0	235	0.036	30.3	ConstantVolume	NA	NA	NA	NA	NA	N

[1] Status: N - New, A – Altered, E – Existing

H3. 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)
exh 2-6N CO	zn 2N-CO zn 3N-CO zn 4N-CO zn 5N-CO zn 6N-CO	10	150	0.190	160.1	5.22
sys Uncond	zn 2N-JATR zn 3N-JATR zn 4N-JATR zn 5N-JATR zn 6N-JATR zn 1N-DR zn 1N-ELEC zn 1N-SW2 zn 1N-ME zn 1N-MPOE zn 1N-FP zn 1N-BR	1	550	0.200	168.5	1.50

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)	

[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
sys 2-6N CO RTU-1	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control

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**
sys 1N-LO HP-1 FC 1-1	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 1N-OF CO HP-1 FC 1-2	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 2N-CR HP-2 FC-2	No Optimum Start	No	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 1N-FS	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 2N-BR HP FC-3X	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 3N-TE HP FC-3X	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 4N-FRW HP FC-3X	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 4N-FRE HP FC-3X	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 5N-FR HP FC-3X	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 6N-FRW HP FC-3X	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 6N-FRE HP FC-3X	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control

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**
sys 1N-EL1E HP FC-4	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 1N-EL2E HP FC-5	No Optimum Start	NA	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
sys 2N CO RTU-1-2	No Optimum Start	No	No Evaporative Cooler	No Heat Recovery	No DCV Controls, No DDC No Economizer No Supply Air Temp. Control
NonRes WH	NA	NA	NA	NA	Fixed Temperature Control, No 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)**	
zn 2R-202	NA	0	3.00	2	80	0	844	NA
zn 2R-205	NA	0	4.00	3	90	0	1104	NA
zn 2R-209	NA	0	2.00	1	60	0	608	NA
zn 2R-212	NA	0	2.00	1	50	0	544	NA
zn 2R-213	NA	0	4.00	3	90	0	1082	NA
zn 2R-214	NA	0	3.00	2	70	0	815	NA
zn 2R-215	NA	0	4.00	3	90	0	1071	NA
zn 2R-217	NA	0	3.00	2	70	0	833	NA
zn 2R-221	NA	0	5.00	4	110	0	1320	NA
zn 2R-223	NA	0	4.00	3	90	0	1109	NA
zn 2R-224	NA	0	3.00	2	80	0	840	NA

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)**	
zn 2N-CO	Residential - Common corridors Misc - All others Exhaust - Toilets, public	0	12.36	0	352	300	2472	Occupant Sensor
zn 2N-CR	General - Break rooms	0	31.43	0	472	0	943	NA
zn 3R-302	NA	0	3.00	2	80	0	844	NA
zn 3R-305	NA	0	4.00	3	90	0	1082	NA
zn 3R-309	NA	0	2.00	1	60	0	587	NA
zn 3R-310	NA	0	4.00	3	90	0	1086	NA
zn 3R-312	NA	0	2.00	1	50	0	544	NA
zn 3R-313	NA	0	4.00	3	90	0	1082	NA
zn 3R-314	NA	0	3.00	2	70	0	815	NA
zn 3R-315	NA	0	4.00	3	90	0	1071	NA
zn 3R-317	NA	0	3.00	2	70	0	811	NA
zn 3R-321	NA	0	5.00	4	110	0	1300	NA
zn 3R-323	NA	0	4.00	3	90	0	1086	NA
zn 3R-324	NA	0	3.00	2	80	0	840	NA
zn 3N-CO	Residential - Common corridors Lodging - Laundry rooms, central	0	11.71	0	351	300	2342	Occupant Sensor
zn 4R-402	NA	0	3.00	2	80	0	844	NA
zn 4R-405	NA	0	4.00	3	90	0	1082	NA
zn 4R-409	NA	0	2.00	1	60	0	587	NA
zn 4R-410	NA	0	4.00	3	90	0	1086	NA
zn 4R-412	NA	0	2.00	1	50	0	544	NA
zn 4R-413	NA	0	4.00	3	90	0	1082	NA
zn 4R-414	NA	0	3.00	2	70	0	815	NA

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)**	
zn 4R-415	NA	0	4.00	3	90	0	1071	NA
zn 4R-417	NA	0	3.00	2	70	0	811	NA
zn 4R-421	NA	0	5.00	4	110	0	1300	NA
zn 4R-423	NA	0	4.00	3	90	0	1086	NA
zn 4R-424	NA	0	3.00	2	80	0	840	NA
zn 4N-CO	Residential - Common corridors	0	10.70	0	321	300	2140	Occupant Sensor
zn 5R-502	NA	0	3.00	2	80	0	844	NA
zn 5R-505	NA	0	4.00	3	90	0	1082	NA
zn 5R-509	NA	0	2.00	1	60	0	587	NA
zn 5R-510	NA	0	4.00	3	90	0	1086	NA
zn 5R-512	NA	0	2.00	1	50	0	544	NA
zn 5R-513	NA	0	4.00	3	90	0	1082	NA
zn 5R-514	NA	0	3.00	2	70	0	815	NA
zn 5R-515	NA	0	4.00	3	90	0	1071	NA
zn 5R-517	NA	0	3.00	2	70	0	811	NA
zn 5R-521	NA	0	5.00	4	110	0	1300	NA
zn 5R-523	NA	0	4.00	3	90	0	1086	NA
zn 5R-524	NA	0	3.00	2	80	0	840	NA
zn 5N-CO	Residential - Common corridors Lodging - Laundry rooms, central	0	11.71	0	351	300	2342	Occupant Sensor
zn 6R-602	NA	0	3.00	2	80	0	844	NA
zn 6R-605	NA	0	4.00	3	90	0	1082	NA
zn 6R-609	NA	0	2.00	1	60	0	587	NA
zn 6R-610	NA	0	4.00	3	90	0	1086	NA

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)	
zn 6R-612	NA	0	2.00	1	50	0	544	NA
zn 6R-613	NA	0	4.00	3	90	0	1082	NA
zn 6R-614	NA	0	3.00	2	70	0	815	NA
zn 6R-615	NA	0	4.00	3	90	0	1071	NA
zn 6R-617	NA	0	3.00	2	70	0	811	NA
zn 6R-621	NA	0	5.00	4	110	0	1300	NA
zn 6R-623	NA	0	4.00	3	90	0	1086	NA
zn 6R-624	NA	0	3.00	2	80	0	840	NA
zn 6N-CO	Residential - Common corridors	0	10.70	0	321	300	2140	Occupant Sensor
zn 1N-LO	Office - Main entry lobbies Exhaust - Toilets, public	0	27.01	0	401	0	862	NA
zn 1N-OF	Office - Office space	0	1.74	0	52	0	347	Occupant Sensor
zn 1N-CO	Residential - Common corridors General - Corridors	0	3.72	0	112	0	744	Occupant Sensor
zn 1N-FS	Misc - All others	0	12.66	0	380	0	2532	NA
zn 2N-BR	Misc - All others	0	1.01	0	30	0	202	NA
zn 3N-TE	General - Break rooms	0	10.03	0	151	0	301	NA
zn 4N-FRW	General - Break rooms	0	6.73	0	101	0	202	NA
zn 4N-FRE	General - Break rooms	0	10.03	0	151	0	301	NA
zn 5N-FR	General - Break rooms	0	10.03	0	151	0	301	NA
zn 6N-FRW	General - Break rooms	0	6.73	0	101	0	202	NA
zn 6N-FRE	General - Break rooms	0	10.03	0	151	0	301	NA
zn 1N-EL1E	Misc - Telephone closets	0	0.10	0	10	0	68	NA
zn 1N-EL2E	Misc - Telephone closets	0	0.07	0	7	0	49	NA

Multifamily or Hotel/Motel Occupancy? (if “Yes”, see DOMESTIC/SERVICE HOT WATER SYSTEM SUMMARY)	Yes

Does the Project include Zonal Systems?	Yes

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
sys 2R-202	zn 2R-202	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 2R-205	zn 2R-205	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 2R-209	zn 2R-209	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 2R-212	zn 2R-212	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 2R-213	zn 2R-213	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 2R-214	zn 2R-214	PTHP	3.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 2R-215	zn 2R-215	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 2R-217	zn 2R-217	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 2R-221	zn 2R-221	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 2R-223	zn 2R-223	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 2R-224	zn 2R-224	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 3R-302	zn 3R-302	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 3R-305	zn 3R-305	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 3R-309	zn 3R-309	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 3R-312	zn 3R-312	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 3R-313	zn 3R-313	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 3R-314	zn 3R-314	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 3R-315	zn 3R-315	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 3R-317	zn 3R-317	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 3R-321	zn 3R-321	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐

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
sys 3R-323	zn 3R-323	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 3R-324	zn 3R-324	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-402	zn 4R-402	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-405	zn 4R-405	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-409	zn 4R-409	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-412	zn 4R-412	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-413	zn 4R-413	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-414	zn 4R-414	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-415	zn 4R-415	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-417	zn 4R-417	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-421	zn 4R-421	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-423	zn 4R-423	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-424	zn 4R-424	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-502	zn 5R-502	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-505	zn 5R-505	PTHP	3.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-509	zn 5R-509	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-512	zn 5R-512	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-513	zn 5R-513	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-514	zn 5R-514	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-515	zn 5R-515	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-517	zn 5R-517	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-521	zn 5R-521	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-523	zn 5R-523	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-524	zn 5R-524	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐

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
sys 6R-602	zn 6R-602	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 6R-605	zn 6R-605	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 6R-609	zn 6R-609	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 6R-612	zn 6R-612	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 6R-613	zn 6R-613	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 6R-614	zn 6R-614	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 6R-615	zn 6R-615	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 6R-617	zn 6R-617	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 6R-621	zn 6R-621	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 6R-623	zn 6R-623	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 6R-624	zn 6R-624	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 3R-310	zn 3R-310	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 4R-410	zn 4R-410	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 5R-510	zn 5R-510	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 6R-610	zn 6R-610	PTHP	8.00	8.00	235	NA	NA	0.036	30.3	☒	☐
sys 2R-202 - vent 2B		VentilationOnly	NA	NA	27	NA	NA	NA	6	☐	☐
sys 2R-205 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 2R-209 - vent 1B		VentilationOnly	NA	NA	30	NA	NA	NA	7	☐	☐
sys 2R-212 - vent 1A		VentilationOnly	NA	NA	25	NA	NA	NA	7	☐	☐
sys 2R-213 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 2R-214 - vent 2A		VentilationOnly	NA	NA	23	NA	NA	NA	5	☐	☐
sys 2R-215 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 2R-217 - vent 2A		VentilationOnly	NA	NA	23	NA	NA	NA	5	☐	☐
sys 2R-221 - vent 4A		VentilationOnly	NA	NA	22	NA	NA	NA	5	☐	☐

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
sys 2R-223 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 2R-224 - vent 2B		VentilationOnly	NA	NA	27	NA	NA	NA	6	☐	☐
sys 3R-302 - vent 2B		VentilationOnly	NA	NA	27	NA	NA	NA	6	☐	☐
sys 3R-305 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 3R-309 - vent 1B		VentilationOnly	NA	NA	30	NA	NA	NA	7	☐	☐
sys 3R-310 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 3R-312 - vent 1A		VentilationOnly	NA	NA	25	NA	NA	NA	7	☐	☐
sys 3R-313 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 3R-314 - vent 2A		VentilationOnly	NA	NA	23	NA	NA	NA	5	☐	☐
sys 3R-315 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 3R-317 - vent 2A		VentilationOnly	NA	NA	23	NA	NA	NA	5	☐	☐
sys 3R-321 - vent 4A		VentilationOnly	NA	NA	22	NA	NA	NA	5	☐	☐
sys 3R-323 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 3R-324 - vent 2B		VentilationOnly	NA	NA	27	NA	NA	NA	6	☐	☐
sys 4R-402 - vent 2B		VentilationOnly	NA	NA	27	NA	NA	NA	6	☐	☐
sys 4R-405 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 4R-409 - vent 1B		VentilationOnly	NA	NA	30	NA	NA	NA	7	☐	☐
sys 4R-410 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 4R-412 - vent 1A		VentilationOnly	NA	NA	25	NA	NA	NA	7	☐	☐
sys 4R-413 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 4R-414 - vent 2A		VentilationOnly	NA	NA	23	NA	NA	NA	5	☐	☐
sys 4R-415 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 4R-417 - vent 2A		VentilationOnly	NA	NA	23	NA	NA	NA	5	☐	☐
sys 4R-421 - vent 4A		VentilationOnly	NA	NA	22	NA	NA	NA	5	☐	☐

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
sys 4R-423 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 4R-424 - vent 2B		VentilationOnly	NA	NA	27	NA	NA	NA	6	☐	☐
sys 5R-502 - vent 2B		VentilationOnly	NA	NA	27	NA	NA	NA	6	☐	☐
sys 5R-505 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 5R-509 - vent 1B		VentilationOnly	NA	NA	30	NA	NA	NA	7	☐	☐
sys 5R-510 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 5R-512 - vent 1A		VentilationOnly	NA	NA	25	NA	NA	NA	7	☐	☐
sys 5R-513 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 5R-514 - vent 2A		VentilationOnly	NA	NA	23	NA	NA	NA	5	☐	☐
sys 5R-515 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 5R-517 - vent 2A		VentilationOnly	NA	NA	23	NA	NA	NA	5	☐	☐
sys 5R-521 - vent 4A		VentilationOnly	NA	NA	22	NA	NA	NA	5	☐	☐
sys 5R-523 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 5R-524 - vent 2B		VentilationOnly	NA	NA	27	NA	NA	NA	6	☐	☐
sys 6R-602 - vent 2B		VentilationOnly	NA	NA	27	NA	NA	NA	6	☐	☐
sys 6R-605 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 6R-609 - vent 1B		VentilationOnly	NA	NA	30	NA	NA	NA	7	☐	☐
sys 6R-610 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 6R-612 - vent 1A		VentilationOnly	NA	NA	25	NA	NA	NA	7	☐	☐
sys 6R-613 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 6R-614 - vent 2A		VentilationOnly	NA	NA	23	NA	NA	NA	5	☐	☐
sys 6R-615 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 6R-617 - vent 2A		VentilationOnly	NA	NA	23	NA	NA	NA	5	☐	☐
sys 6R-621 - vent 4A		VentilationOnly	NA	NA	22	NA	NA	NA	5	☐	☐

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
sys 6R-623 - vent 3A		VentilationOnly	NA	NA	23	NA	NA	NA	6	☐	☐
sys 6R-624 - vent 2B		VentilationOnly	NA	NA	27	NA	NA	NA	6	☐	☐
TerminalUnit 3N-CO	zn 3N-CO	VAVNoReheatBox	NA	NA	437	276	0.63	NA	NA	NA	☐
TerminalUnit 4N-CO	zn 4N-CO	VAVNoReheatBox	NA	NA	437	276	0.63	NA	NA	NA	☐
TerminalUnit 5N-CO	zn 5N-CO	VAVNoReheatBox	NA	NA	438	277	0.63	NA	NA	NA	☐
TerminalUnit 6N-CO	zn 6N-CO	VAVNoReheatBox	NA	NA	438	277	0.63	NA	NA	NA	☐
TerminalUnit 1N-LO	zn 1N-LO	Uncontrolled	NA	NA	600	NA	0.00	NA	NA	NA	☐
TerminalUnit 1N-OF	zn 1N-OF	Uncontrolled	NA	NA	400	NA	0.00	NA	NA	NA	☐
TerminalUnit 1N-CO	zn 1N-CO	Uncontrolled	NA	NA	200	NA	0.00	NA	NA	NA	☐
TerminalUnit 2N-CR	zn 2N-CR	Uncontrolled	NA	NA	600	NA	0.00	NA	NA	NA	☐
TerminalUnit 1N-FS	zn 1N-FS	Uncontrolled	NA	NA	600	NA	0.00	NA	NA	NA	☐
TerminalUnit 2N-BR	zn 2N-BR	Uncontrolled	NA	NA	364	NA	0.00	NA	NA	NA	☐
TerminalUnit 3N-TE	zn 3N-TE	Uncontrolled	NA	NA	364	NA	0.00	NA	NA	NA	☐
TerminalUnit 4N-FRW	zn 4N-FRW	Uncontrolled	NA	NA	364	NA	0.00	NA	NA	NA	☐
TerminalUnit 4N-FRE	zn 4N-FRE	Uncontrolled	NA	NA	364	NA	0.00	NA	NA	NA	☐
TerminalUnit 5N-FR	zn 5N-FR	Uncontrolled	NA	NA	364	NA	0.00	NA	NA	NA	☐
TerminalUnit 6N-FRW	zn 6N-FRW	Uncontrolled	NA	NA	364	NA	0.00	NA	NA	NA	☐
TerminalUnit 6N-FRE	zn 6N-FRE	Uncontrolled	NA	NA	364	NA	0.00	NA	NA	NA	☐
TerminalUnit 1N-EL1E	zn 1N-EL1E	Uncontrolled	NA	NA	250	NA	0.00	NA	NA	NA	☐
TerminalUnit 1N-EL2E	zn 1N-EL2E	Uncontrolled	NA	NA	250	NA	0.00	NA	NA	NA	☐
TerminalUnit 2N-CO-2	zn 2N-CO	VAVNoReheatBox	NA	NA	350	221	0.63	NA	NA	NA	☐

H8. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

I1. WATER HEATER EQUIPMENT SUMMARY

1	2	3	4	5	6	7	8	9	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**	**Heat Pump Type**	**1st Hour Rating or Flow Rate (gal)**	**Tank Location or Ambient Condition**
HPWH NonRes	Electricity	NA	1	150.00	10.0	kW	3.00	COP	NA	NA	Heat-Pump Split	NA	Zone

I2. MULTI-FAMILY WATER HEATING SYSTEM DETAIL

1	2	3	4	5	6	7	8	9
System Name	**Configuration**	**Type**	**Qty in System**	**Multi-Family Distribution Type**	**Dwelling Unit Distribution Type**	**Water Heater Name**	**Solar Heating System**	**Compact Distribution**
HPWH central system	"Domestic Hot Water (DHW)"	Central	8	Demand Control	Standard	HPWH central system - heater	NA	NA

I3. WATER HEATER EQUIPMENT SUMMARY - CHPWH

1	2	3	4	5	6	7	8
Name	**Brand/Model**	**Number of Compressors**	**Primary Tank Volume (gal)**	**Tank Count**	**Tank R-value**	**Tank Location**	**Air Source**
HPWH central system	Colmac CxV-5 (10kW cap @ 40F)	8	1200	2	16	Unconditioned Zone	Unconditioned Zone

I4. WATER HEATER EQUIPMENT SUMMARY - CHPWH LOOP TANK

1	2	3	4	5	6	7	8
Tank Type	**Brand/Model**	**Count**	**Tank Volume (gal)**	**Tank Count**	**Tank R-value**	**Tank Location**	**Air Source**
Electric Resistance	NA	8	175	1	16	Unconditioned Zone	- select air source -

I5. RECIRCULATION LOOPS

1	2	3	4	5	6
Water Heating System Name	**Number of Recirculation Loops**	**Loop Insulation Thickness (in)**	**Recirculation Loop Location**	**Recirculation Pump Power**	**Recirculation Pump Power Units**
HPWH central system	2	1.5	Conditioned	175	Watts

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO

1	2	3	4	5	6
				Additional (Custom) Allowance	
Occupancy Type [1]	**Conditioned Floor Area [2] (ft^2)**	**Installed Lighting Power (Watts)**	**Lighting Control Credits (Watts)**	**Area Category Footnotes (Watts)**	**Tailored Method (Watts)**
Stairwell	2,201	869	0	0	0
Main Entry Lobby	801	185	0	0	0
Corridor Area	9,274	2,031	0	0	0
Electrical, Mechanical, Telephone Rooms	117	66	0	0	0
Restrooms	183	51	0	0	0
Office Area (<250 square feet)	347	67	0	0	0
All other	2,913	166	0	0	0
High-Rise Residential Living Spaces	54,762		0	0	0
Lounge, Breakroom, or Waiting Area	2,551	619	0	0	0
Laundry Area	404	66	0	0	0
Building Totals:	**73,553**	**4,120**	**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

Luminaire Schedule (includes all permanent installed lighting in conditioned space, and portable lighting over 0.3 w/ft² in offices)		**Installed Watts (Conditioned)**			
1	**2**	**3**	**4**	**5**	**6**
Name or Item Tag	**Complete Luminaire Description (i.e., 3-lamp fluorescent troffer, F32T8, one dimmable electronic ballast)**	**Watts per luminaire**	**How Wattage is Determined**	**Total Number Luminaires**	**Installed Watts**
L1	stairwells	40	According to §130.0(c)	22	869
L2	back of house	33	According to §130.0(c)	16	528
R1	downlight	17	According to §130.0(c)	162	2,721

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)

1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
spc 1N-SW1	Stairwell	NA	0.00 0.00 0.00 0.00 0.00	L1	79.0	2	79	0
spc 1N-LO	Main Entry Lobby	NA	0.00 0.00 0.00 0.00 0.00	R1	184.8	11	185	0
spc 1N-CO	Corridor Area	NA	0.00 0.00 0.00 0.00 0.00	R1	100.8	6	101	0

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)

1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
spc 1N-EL1E	Electrical, Mechanical, Telephone Rooms	NA	0.00 0.00 0.00 0.00 0.00	L2	33.0	1	33	0
spc 1N-EL2E	Electrical, Mechanical, Telephone Rooms	NA	0.00 0.00 0.00 0.00 0.00	L2	33.0	1	33	0
spc 1N-RR	Restrooms	NA	0.00 0.00 0.00 0.00 0.00	R1	16.8	1	17	0
spc 1N-OF	Office Area (<250 square feet)	NA	0.00 0.00 0.00 0.00 0.00	R1	67.2	4	67	0
spc 1N-FS	All other	NA	0.00 0.00 0.00 0.00 0.00	L2	99.0	3	99	0
spc 2N-CO	Corridor Area	NA	0.00 0.00 0.00 0.00 0.00	L2 R1	33.0 352.8	1 21	386	0
spc 2N-SW1	Stairwell	NA	0.00 0.00	L1	79.0	2	79	0

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)

1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
			0.00 0.00 0.00					
spc 2N-SW2	Stairwell	NA	0.00 0.00 0.00 0.00 0.00	L1	79.0	2	79	0
spc 2N-CR	Lounge, Breakroom, or Waiting Area	NA	0.00 0.00 0.00 0.00 0.00	L2 R1	33.0 252.0	1 15	285	0
spc 2N-BR	All other	NA	0.00 0.00 0.00 0.00 0.00	L2	33.0	1	33	0
spc 2N-MA	All other	NA	0.00 0.00 0.00 0.00 0.00	R1	33.6	2	34	0
spc 2N-RR	Restrooms	NA	0.00 0.00 0.00 0.00 0.00	R1	33.6	2	34	0
spc 3N-CO	Corridor Area	NA	0.00 0.00 0.00 0.00	L2	33.0	1	386	0

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)

1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
			0.00	R1	352.8	21		
spc 3N-SW1	Stairwell	NA	0.00 0.00 0.00 0.00 0.00	L1	79.0	2	79	0
spc 3N-SW2	Stairwell	NA	0.00 0.00 0.00 0.00 0.00	L1	79.0	2	79	0
spc 3N-LA	Laundry Area	NA	0.00 0.00 0.00 0.00 0.00	L2	33.0	1	33	0
spc 3N-TE	Lounge, Breakroom, or Waiting Area	NA	0.00 0.00 0.00 0.00 0.00	R1	67.2	4	67	0
spc 4N-CO	Corridor Area	NA	0.00 0.00 0.00 0.00 0.00	L2 R1	33.0 352.8	1 21	386	0
spc 4N-SW1	Stairwell	NA	0.00 0.00 0.00 0.00 0.00	L1	79.0	2	79	0
spc 4N-SW2	Stairwell	NA	0.00	L1	79.0	2	79	0

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)

1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
			0.00 0.00 0.00 0.00					
spc 4N-FRW	Lounge, Breakroom, or Waiting Area	NA	0.00 0.00 0.00 0.00 0.00	L2	33.0	1	33	0
spc 4N-FRE	Lounge, Breakroom, or Waiting Area	NA	0.00 0.00 0.00 0.00 0.00	R1	67.2	4	67	0
spc 5N-CO	Corridor Area	NA	0.00 0.00 0.00 0.00 0.00	L2 R1	33.0 352.8	1 21	386	0
spc 5N-SW1	Stairwell	NA	0.00 0.00 0.00 0.00 0.00	L1	79.0	2	79	0
spc 5N-SW2	Stairwell	NA	0.00 0.00 0.00 0.00 0.00	L1	79.0	2	79	0
spc 5N-LA	Laundry Area	NA	0.00 0.00 0.00	L2	33.0	1	33	0

Project Name:	3941 Stevens Creek	NRCC-PRF-01-E	Page 35 of 40
Project Address:	3941 Stevens Creek Blvd Santa Clara 95051	Calculation Date/Time:	11:40, Fri, Oct 22, 2021
Input File Name:	3941 Stevens Creek - model 2021 10.cibd19		

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)

1	2	3	4	5	6	7	8	9
Area Description	Primary Function Area (must meet requirements of Table 140.6-A)	Type of Lighting Control	Power Adjustment Factor (PAF)	Luminaire Name or Item Tag	Watts per Luminaires	# of Luminaires	Lighting Controlled (Watts)	Control Credit (Watts)
			0.00 0.00					
spc 5N-FR	Lounge, Breakroom, or Waiting Area	NA	0.00 0.00 0.00 0.00 0.00	R1	67.2	4	67	0
spc 6N-CO	Corridor Area	NA	0.00 0.00 0.00 0.00 0.00	L2 R1	33.0 352.8	1 21	386	0
spc 6N-SW1	Stairwell	NA	0.00 0.00 0.00 0.00 0.00	L1	79.0	2	79	0
spc 6N-SW2	Stairwell	NA	0.00 0.00 0.00 0.00 0.00	L1	79.0	2	79	0
spc 6N-FRW	Lounge, Breakroom, or Waiting Area	NA	0.00 0.00 0.00 0.00 0.00	L2	33.0	1	33	0
spc 6N-FRE	Lounge, Breakroom, or Waiting Area	NA	0.00 0.00 0.00 0.00 0.00	R1	67.2	4	67	0

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS

Building Level Controls

1	2
Mandatory Demand Response §110.12(c)	**Shut-Off Controls §130.1(c)**

Area Level Controls (includes all lighting controls installed in conditioned space to meet mandatory requirements per §130.1)

4	5	6	7	8	9	10
Area Description	**Area Category Primary Function Area**	**Area Controls 130.1(a)**	**Multi-Level Controls 130.1(b)**	**Shut-Off Controls 130.1(c)**	**Primary Daylighting 130.1(d)**	**Secondary Daylighting 140.5(d)**

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 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	Form/Title
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings
Plumbing	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
Indoor Lighting	NRCI-LTI-01-E - Must be submitted for all buildings

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	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
	NRCA-LTI-03-A - Automatic Daylight Controls
Covered Process	NRCA-PRC-12-F – Elevator Lighting and Ventilation Controls
Mechanical	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-07-A Supply Fan Variable Flow Controls
	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance
	NRCA-MCH-19 Occupancy Sensor Controls
	NRCA-MCH-20 Multifamily Ventilation

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 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	Form/Title
Mechanical	NRCV-MCH-27 Indoor Air Quality & Mechanical Ventilation
	NRCV-MCH-32-H Local Mechanical Exhaust

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT *I certify that this Certificate of Compliance documentation is accurate and complete.*	
Documentation Author Name: Ryan Schmidt	Signature: Ryan Schmidt
Company: CPG Consultants	
Address: 2443 Fillmore Street #138	Signature Date: 2021-10-21
City/State/Zip: San Francisco-	CEA/ HERS Certification Identification (if applicable): NR16-16-20028
Phone: 650-269-3470	

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: Lauri Moffet - Fehlberg, AIA, LEED AP	Signature:	
Company: Dahlin Group		
Address: 5865 Owens Drive	Date Signed: October 25, 2021	
City/State/Zip: Pleasanton CA 94588		
Phone: 925-251-7200	Title: Architect	License #: C-19799
Responsible Lighting Designer Name:	Signature:	
Company: Emerald City Engineers Inc. Adam French, P.E.		
Address: 21705 Highway 99	Date Signed: 10/22/21	
City/State/Zip: Lynnwood WA 98036		
Phone: 425-741-1200	Title: Engineer	License #: E19421
Responsible Mechanical Designer Name: Massamaghan Kone, P.E	Signature:	
Company: Emerald City Engineers Inc.		
Address: 21705 Highway 99	Date Signed: 10/22/21	
City/State/Zip: Lynnwood WA 98036		
Phone: 425-741-1200	Title: Engineer	License #: M-38848

CERTIFICATE OF COMPLIANCE NRCC-SRA-E

This document is used to demonstrate compliance with mandatory requirements in for newly constructed buildings which are either high-rise multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential buildings three stories or fewer. It is also used to demonstrate compliance for additions to these building types which add more than 2,000 ft² of roof area. Alterations or additions of less than 2,000 ft² of roof area are not required to comply with .

Project Name:	The Meridian	Report Page:	
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 18, 20

A. GENERAL INFORMATION

01	Project Location (city)	Santa Clara	04	Building Type	High-rise multifamily 10 stories or fewer
02	Climate Zone	4	05	Construction Type	New Construction
03	☐ Roof is designed for vehicle traffic, parking or for heliport				

B. PROJECT SCOPE

Table Instructions: Select the compliance path the project is using to comply per .

My project consists of (check one):

01	
☐ Provide Solar Ready Area no exceptions	The project has allocated a solar zone on the roof plan per requirements in , as documented in Table F.
☑ Exception to Solar Ready Area: Installed Solar Photovoltaic System	The project includes a permanently installed solar electric system having a nameplate DC power rating, measured under Standard Test Conditions, of no less than one watt per square foot of roof area, as documented in Table G.
☐ Exception to Solar Ready Area: Installed Solar Water Heating System	The project is a hotel/motel or high-rise multifamily occupancy and includes a permanently installed domestic solar water-heating system complying with and , as documented in Table H.
☐ Exception to Solar Ready Area: Smart Thermostat and Alternative Energy Efficiency Measure	The project is a high-rise multifamily occupancy where all thermostats in each dwelling unit comply with AND at least one additional measure listed in Exception 4 to is installed, as documented in Table I.

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance or see the applicable Table referenced below

Allocated Solar Zone				Installed PV System				Installed SWH System				Smart Tstat and Alternative EE Measure		Compliance Results
01		02		03		04		05		06		07	08	09
Required Minimum Area (ft²)	≤	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	≤	Designed DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	≤	Designed/Rated Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	
(See Table F)				(See Table G)				(See Table H)				(See Table I)		
	≤		OR	14200	≤	14200	OR		≤		OR			COMPLIES
			Location in construction documents showing the location for inverters and metering equipment and a pathway for the											Not Applicable

CERTIFICATE OF COMPLIANCE		NRCC-SRA-E
Project Name: The Meridian	Report Page:	
Project Address: 3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 18, 20

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Solar PV system to be a deferred submittal, design/build by contractor; Table G 'Designed System DC Power Rating' value is per Section 110.10(b)1B Exception 1, and is an absolute minimum target

F. ALLOCATED SOLAR ZONE

This Section Does Not Apply

G. PERMANENTLY INSTALLED SOLAR PHOTOVOLTAIC (PV) SYSTEM

Table Instructions: Complete this table if the project is installing a PV system to comply with Exception 1.

01	02	03	04	05	
Total Roof Area[1] (ft^2)	Required Minimum DC Power Rating (Watts)	Designed System DC Power Rating (Watts)	Location in Construction Documents showing PV System/ Components	Field Inspector	
				Pass	Fail
14200.00000000	14200	14200	deferred submittal; design/build	☐	☐

[1] *FOOTNOTES: Newly Constructed Projects should report total roof area; Additions should report newly added roof area.*

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEM

This Section Does Not Apply

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE

This Section Does Not Apply

CERTIFICATE OF COMPLIANCE		NRCC-SRA-E
Project Name: The Meridian	Report Page:	
Project Address: 3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 18, 20

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
◉	○	NRCI-SPV-01-E - Must be submitted for all newly installed Photovoltaic Systems (PV) being used to comply with for high-rise	☐	☐
○	◉	NRCI-STH-01-E - Must be submitted for all newly installed Solar Water Heating systems being used to comply with for high-rise multifamily, Hotel/Motel buildings less than 10 stories and nonresidential buildings less than 4 stories.	☐	☐

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no Certificates of Acceptance applicable to solar ready requirements.

Solar Ready Areas

NRCC-SRA-E (Created 11/19)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-SRA-E
Project Name: The Meridian	Report Page:
Project Address: 3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared: October 18, 20

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Ryan Schmidt	Documentation Author Signature:	Ryan Schmidt
Company:	CPG Consultants	Signature Date:	10/25/2021
Address:	2443 Fillmore Street, #138	CEA/ HERS Certification Identification (if applicable):	NR16-16-20028
City/State/Zip:	San Francisco, CA 94115	Phone:	650-269-3470

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 Designer Name:	Lauri Moffet - Fehlberg, AIA, LEED AP	Responsible Designer Signature:	
Company :	Dahlin Group	Date Signed:	October 25, 2021
Address:	5865 Owens Drive	License:	C-19799
City/State/Zip:	Pleasanton, CA 94588	Phone:	925-251-7200

Process Systems

CERTIFICATE OF COMPLIANCE			NRCC-PRC-E
Table Instructions: Include any process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in §120.6, or prescriptive requirements in §140.9. This compliance document is used for newly constructed, addition and alteration projects.			
Project Name:	The Meridian	Report Page:	Page 1 of 5
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 18, 2021

A. GENERAL INFORMATION

01	Project Location (city)	Santa Clara	04	Total Conditioned Floor Area	73,553
02	Climate Zone	4	05	Total Unconditioned Floor Area	15,040
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	6

☐ Office	☐ Retail	☐ Non-refrigerated Warehouse	
☐ Hotel/ Motel	☐ School	☐ Healthcare Facility	
☑ High-Rise Residential	☐ Relocatable Class Bldg	☑ Other (Write In):	HR residential support / amenity

B. PROJECT SCOPE

Table Instructions: Include any process systems listed below within the scope of the permit application that are demonstrating compliance with mandatory requirements in §120.6 or prescriptive requirements in §140.9.

My project consists of (check all that apply):

01	02
☐ Refrigerated Spaces <3,000 ft² Total (no Title 24, Pt 6 requirements)	☑ Elevator Lighting & Ventilation Controls (mandatory §120.6(f))
☐ Refrigerated Spaces ≥3,000 ft² Total (mandatory §120.6(a))	☐ Escalator & Moving Walkway Speed Controls (mandatory §120.6(g))
☐ Food Stores > 8,000 ft² cfa (mandatory §120.6(b))	☐ Computer Rooms > 20W/ft² Power Density (prescriptive §140.9(a))[1]
☐ Enclosed Parking Garage Exhaust ≥ 10,000 cfm (mandatory §120.6(c))	☐ Commercial Kitchen Ventilation/Exhaust (prescriptive §140.9(b))[1]
☐ Newly Installed Process Boilers (mandatory §120.6(d))	☐ Laboratory Exhaust/Factory Exhaust & Fume Hood (prescriptive §140.9(c))[1]
☐ Compressed Air Systems Combined HP ≥ 25 (mandatory §120.6(e))	

[1] FOOTNOTES: These building features can comply using the performance method. If using the performance method for these features, compliance should be demonstrated on the NRCC-PRF-E compliance document.

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

01	02	03	04	05	06	07	08	09	10	11
Refrigerated Warehouse/ Space §120.6(a)	Commercial Refrigeration §120.6(b)	Parking Garage Exhaust §120.6(c)	Process Boilers §120.6(d)	Compressed Air Systems §120.6(e)	Elevators §120.6(f)	Escalators & Moving Walkways §120.6(g)	Computer Rooms §140.9(a)	Commercial Kitchens §140.9(b)	Laboratory Exhaust §140.9(c)	**Compliance Results**
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	(See Table M)	(See Table N)	(See Table O)	
					Yes					**COMPLIES**

CERTIFICATE OF COMPLIANCE			NRCC-PRC-E
Table Instructions: Include any process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in §120.6, or prescriptive requirements in §140.9. This compliance document is used for newly constructed, addition and alteration projects.			
Project Name:	The Meridian	Report Page:	Page 2 of 5
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 18, 2021

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Elevator area and lighting / ventilation equipment specs shown on this form are estimates; elevator equipment to be specified later / by others, and to meet applicable lighting and fan efficacy / control requirements of Section 120.6

F. REFRIGERATED WAREHOUSE/SPACES

This Section Does Not Apply

G. COMMERCIAL REFRIGERATION

This Section Does Not Apply

H. ENCLOSED PARKING GARAGE EXHAUST

This Section Does Not Apply

I. PROCESS BOILER

This Section Does Not Apply

J. COMPRESSED AIR SYSTEMS

This Section Does Not Apply

K. ELEVATOR LIGHTING AND VENTILATION

Table Instructions: Complete the following table for elevator lighting and ventilation to demonstrate compliance with mandatory requirements found in §120.6(f) for each individual elevator.

01	02	03	04	05	06	07	08
Lighting §120.6(f)1 & §120.6(f)3							
Elevator Name or Item Tag	Elevator Area (ft²)	Fixture Name or Item Tag	Watts per Fixture	Number of Fixtures	Power per Design (W)	Maximum Power Allowed[1] (W)	Controls

Table Continued

CERTIFICATE OF COMPLIANCE			NRCC-PRC-E
Table Instructions: Include any process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in §120.6, or prescriptive requirements in §140.9. This compliance document is used for newly constructed, addition and alteration projects.			
Project Name:	The Meridian	Report Page:	Page 3 of 5
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 18, 2021

Elevator cab, typ	41	Elev LTG	6	4	24	24.6	Occupancy sensors provided
		Total Design Watts			24	24.6	

09	10	11	12	13	14	15
Name or Item Tag	Conditioned Cab?	Ventilation §120.6(f)1 & §120.6(f)3				
		Fan Power (Watts)	Design Airflow (CFM)	Design Watts per CFM	Maximum Watts per CFM Allowed	Controls
Elevator cab, typ	No	16	50	0.32	0.33	Occupancy sensors provided

[1] *FOOTNOTE: 0.6 watts per ft² allowed per §120.6(f)1. Interior signal lighting and display lighting not included in power density calculation.*

16	Indicate where in the construction documents these requirements can be verified	(see 'Additional Remarks', Table E

L. ESCALATORS AND MOVING WALKWAYS SPEED CONTROLS

This Section Does Not Apply

M. COMPUTER ROOM SYSTEM SUMMARY

This Section Does Not Apply

N. COMMERCIAL KITCHEN EXHAUST AND VENTILATION

This Section Does Not Apply

O. LABORATORY AND FACTORY EXHAUST AND FUME HOODS

This Section Does Not Apply

P. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/.

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
●	○	NRCI-PRC-01-E Covered Process	☐	☐

CERTIFICATE OF COMPLIANCE			NRCC-PRC-E
Table Instructions: Include any process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in §120.6, or prescriptive requirements in §140.9. This compliance document is used for newly constructed, addition and alteration projects.			
Project Name:	The Meridian	Report Page:	Page 4 of 5
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 18, 2021

Q. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/.

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
○	●	NRCA-PRC-01-F Compressed Air Systems	☐	☐
○	●	NRCA-PRC-02-F Kitchen Exhaust	☐	☐
○	●	NRCA-PRC-03-F Garage Exhaust	☐	☐
○	●	NRCA-PRC-04-F Refrigerated Warehouses - Evaporator Fan Motor Controls	☐	☐
○	●	NRCA-PRC-05-F Refrigerated Warehouses - Evaporative Condenser Controls	☐	☐
○	●	NRCA-PRC-06-Refrigerated Warehouses - Air Cooled Condenser Controls	☐	☐
○	●	NRCA-PRC-16-Refrigerated Warehouses - Adiabatic Condenser Controls	☐	☐
○	●	NRCA-PRC-07 Refrigerated Warehouses - Variable Speed Compressor	☐	☐
○	●	NRCA-PRC-08-F Refrigerated Warehouses - Electric Resistance Underslab Heating System	☐	☐
●	○	NRCA-PRC-12-F Elevator Lighting & Ventilation Controls	☐	☐
○	●	NRCA-PRC-13-F Escalators & Moving Walkways Speed Controls	☐	☐
○	●	NRCA-PRC-14-F Lab Exhaust Ventilation Systems	☐	☐
○	●	NRCA-PRC-15-F Fume Hood Automatic Sash Closure Systems	☐	☐

CERTIFICATE OF COMPLIANCE	NRCC-PRC-E
Table Instructions: Include any process systems that are within the scope of the permit application and are demonstrating compliance with mandatory requirements in §120.6, or prescriptive requirements in §140.9. This compliance document is used for newly constructed, addition and alteration projects.	
Project Name: The Meridian	Report Page: Page 5 of 5
Project Address: 3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared: October 18, 2021

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT			
1. I certify that this Certificate of Compliance documentation is accurate and complete.			
Documentation Author Name:	Ryan Schmidt	Documentation Author Signature:	
Company:	CPG Consultants	Signature Date:	10/25/2021
Address:	2443 Fillmore Street #138	CEA/ HERS Certification Identification (if applicable):	NR16-16-20028
City/State/Zip:	San Francisco CA 94115	Phone:	650-269-3470

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 Designer Name:	Lauri Moffet- Fehlberg, AIA, LEED AP	Responsible Designer Signature:	
Company :	Dahlin Group	Date Signed:	October 25, 2021
Address:	5865 Owens Drive	License:	C-19799
City/State/Zip:	Pleasanton, CA 94588	Phone:	925-251-7200

Add Responsible Person | Remove Last

CERTIFICATE OF COMPLIANCE			NRCC-CXR-E
This document is used to demonstrate compliance with mandatory commissioning requirements in §120.8 for nonresidential buildings and hotel/motel or high-rise residential buildings with nonresidential spaces. This document does not demonstrate compliance with commissioning requirements within Title 24, Part 11, which need to be documented separately if they apply.			
Project Name:	The Meridian	Report Page:	Page 1 of 6
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 18, 2021

A. GENERAL INFORMATION

01	Project Location (city)	Santa Clara	04	Building Size (ft²)	88,573
02	Occupancy Type	Mixed-Use	05	Nonresidential Conditioned Floor Area (ft²)	< 10,000 ft²
03	Project Type	Newly constructed	06	HVAC System Type	Unitary or packaged equipment each serving one zone

B. PROJECT SCOPE

Table Instructions: Based on project information provided in Table A, Table B indicates which commissioning related requirements apply per §120.8. Table B is not editable by the user.

Commission Requirements per §120.8

01	Table F: Design Review Kickoff	§120.8(d)1 and §120.8(d)2	The design review kickoff meeting establishes who will play the role of the design reviewer, the project schedule and identify owner's requirements. This meeting should be conducted during schematic design.
02	Table G: Owner's Project Requirements (OPR)	§120.8(b)	This requirement does not apply.
03	Table H: Basis of Design (BOD)	§120.8(c)	This requirement does not apply.
04	Table I: Design Review	§120.8(d) and §120.8(e)	The design reviewer(s) reviews the construction documents for clarity, completeness, and adherence to the owner's goals. Commissioning measures must be included in the construction documents to faciliate the design review and commissioning process. For projects with ≥ 10,000 ft² of nonresidential conditioned floor area, the design review is for adherence with the Owner's Project Requirements (OPR) and Basis of Design (BOD). This should be conducted during design.
05	Table J: Commissioning Plan	§120.8(f)	This requirement does not apply.
06	Table K: Functional Performance Testing	§120.8(g)	This requirement does not apply.
07	Table L: Documentation and Training	§120.8(h)	This requirement does not apply.
08	Table M: Commissioning Report	§120.8(i)	This requirement does not apply.

CERTIFICATE OF COMPLIANCE			NRCC-CXR-E
Project Name:	The Meridian	Report Page:	Page 2 of 6
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 18, 2021

C. COMPLIANCE RESULTS

Table Instructions: Table C will indicate if the project data input into the compliance document is compliant with commissioning requirements per §120.8. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

01	02	03	04	05	06	07	08	09
Design Review Kickoff	Owner's Project Requirements	Basis of Design	Design Review	Commissioning Plan	Functional Performance Testing	Documentation and Training	Commissioning Report	Compliance Results
Table F	Table G	Table H	Table I	Table J	Table K	Table L	Table M	
Yes			Yes					**COMPLIES**
10	Design Reviewer(s) for the project include:			Dahlin				**COMPLIES**

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. DESIGN REVIEW KICKOFF MEETING

Table Instructions: Complete this table to indicate that the design reviewer meets the qualification requirements per Title 24, Part 1 Section 10-103(a)1 and to demonstrate compliance with design review kickoff requirements per §120.8(d)2. This meeting should occur during the Schematic Design phase of the project.

Design Review Kickoff Meeting Details

01	Date of Design Review Kickoff Meeting	Apr 1, 2021
02	Meeting Attendees: (one person may play multiple roles)	

☒ Owner/ Facility Manager:	CRP Affordable Housing & Comm. Dvlpmnt	☒ Design Reviewer(s):	Dahlin Group
☒ Project Manager:	Steven Blanden, Dahlin Group	☒ Design Architect/ Engineer(s):	Dahlin Group, Emerald City
☐ Contractor:		☐ Certified Acceptance Test Tech(s):	
☐ Commissioning Provider:		☐ Energy/ T24 Part 6 Consultant:	CPG Consultants

Design Reviewer Qualifications per Title 24, Part 1 Section 10-103(a)1

Table Continued

CERTIFICATE OF COMPLIANCE			NRCC-CXR-E
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Table Continued

The design reviewer(s) must be licensed professional engineers or licensed architects, or licensed contractors representing services performed by or under the direct supervision of a licensed engineer or architect, as specified in the provisions of Division 3 of the Business and Professions Code.		Do the Design Reviewer(s) meet these qualifications?	
03	In addition, for buildings with < 10,000 ft², the design reviewer(s) may be the engineer or architect of record. The design reviewer(s) may also be a qualified in-house engineer or architect with no other project involvement or a third party engineer, architect or contractor.	YES: ◉	NO: ○
04	The design reviewer(s) for this project will be:	Dahlin	

Preliminary Construction Schedule			
		Start Date	**Completion Date**
05	Schematic Design	2021-04-01	2021-07-01
06	Design Development	2021-07-01	2021-08-27
07	Construction Documents	2021-08-27	2021-10-25
08	Construction	2022-02-01	2023-08-01
09	Building Turnover	2023-08-01	2023-09-01

Project Goals Related to Energy Efficiency		
10	Operational Costs	*Project shall be designed to minimize daily, monthly and yearly operations costs through compliance with the Title 20/24 energy efficiency requirements. Building operators / staff shall be well versed and trained on how to minimize costs as it pertains to energy usage for building operations.*
11	Desired Building Lifespan	*Building shall be designed and operated to meet lifespan expectations for a high-rise residential building. Daily, monthly, and annual building maintenance / operations shall be regularly performed to increase lifespan of the building and its systems. Implementing additional measures to enhance building and system life shall be considered as they become available to the project owner and operators.*
12	Equipment Lifecycle	*Proposed equipment shall at minimum meet Title 24 energy efficiency goals and equipment production standards for reliable and effective operations under the expected range of operating conditions. Durability and expected life to be considered as part of the equipment selection process.*
13	Project Energy Efficiency Goals	*Pursue Title 24 efficiency levels to meet compliance and other applicable energy performance targets, as well as consideration of participation in green building certification or available incentive programs, if applicable*
14	Envelope Goals	*Proposed building envelope assemblies shall meet or exceed the minimum Title 24 energy efficiency requirements for such systems. Project shall consider implementing higher efficiency assemblies, if needed, to meet or exceed energy efficiency performance targets.*
15	HVAC System Goals	*High efficiency HVAC equipment offers cost effective energy savings. HVAC equipment shall be selected that meets or exceeds Title 20/24 minimum requirements. The HVAC system shall be designed to optimize comfort and cost-effective building energy performance. Project shall consider implementing higher efficiency equipment, if needed, to meet or exceed energy efficiency performance targets.*

Table Continued

Table Continued

16	Indoor Lighting System Goals	*Lighting systems offer cost effective energy savings potential, and lighting fixtures and/or controls shall be selected to comply with the Title 24 minimum requirements. Controls and their associated sensors shall be integrated wherever possible and as required by code. The lighting system shall be designed to optimize comfort and cost-effective building energy performance.*
17	Outdoor Lighting System Goals	*Outdoor lighting systems shall meet or exceed Title 24 requirements; system shall utilize the required outdoor lighting controls as required by Title 24 and meet any local outdoor lighting requirements that are more stringent.*
18	Water Heating System Goals	*Water heating system shall be designed to meet the minimum efficiency standards required by Title 24 and sized appropriately to meet the demand / supply requirements for the proposed project scope.*
19	Equipment and System Specifications	*a. Specified mechanical equipment shall be high quality, reliable, and low maintenance while meeting the minimum requirements of Title 20/24 energy efficiency standards b. Systems shall comply with applicable control and energy management requirements of Title 24 c. Specified equipment and systems shall be manufactured by proven companies that the project owner and design team are familiar with and trust in terms of their product design, efficiency, and reliability*
20	Operations and Maintenance	*Building staff and operators shall be trained on how to effectively operate the proposed building and assess / address operational issues that may arise. Installing contractors for building lighting/mechanical systems shall provide the building owner/operator any related/relevant operations manuals including detailed information on maintenance schedule, issue(s) assessment, and troubleshooting. Building staff shall also be trained on how to persistently lower energy costs through use / operation / management of all building and system controls.*

G. OWNER'S PROJECT REQUIREMENTS (OPR)

This Section Does Not Apply

H. BASIS OF DESIGN (BOD)

This Section Does Not Apply

I. CONSTRUCTION DOCUMENT DESIGN REVIEW CHECKLIST

Table Instructions: The design reviewer(s) may fill out the table below or attach a design review document that lists the items checked by the design reviewer(s) during the construction document review. For buildings with ≥ 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the Owner's Project Requirements (Table G.) and the Basis of Design Documents (Table H.). For buildings with < 10,000 ft² conditioned floor area, the design review will ensure the construction documents meet the goals documented in Table F. during the Design Review Kickoff.

		YES	NO
01	Attaching Completed Design Review Documentation?	○	◉

Design Review Checklist

02	Envelope Design	*Addresses goals described in Table F, enabling the project to exceed the minimum Title 24, Part 6 performance requirements*

Table Continued

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Table Continued

03	HVAC System Design	*Addresses goals described in Table F, enabling the project to exceed the minimum Title 24, Part 6 performance requirements*
04	HVAC Controls Design	*Addresses goals described in Table F, enabling the project to exceed the minimum Title 24, Part 6 performance requirements*
05	Indoor Lighting System Design	*Addresses goals described in Table F, enabling the project to meet or exceed minimum Title 24, Part 6 indoor lighting efficiency requirements*
06	Indoor Lighting Controls Design	*Addresses goals described in Table F, enabling the project to meet or exceed minimum Title 24, Part 6 indoor lighting controls requirements*
07	Outdoor Lighting System and Controls Design	*Addresses goals described in Table F, enabling the project to meet or exceed minimum Title 24, Part 6 outdoor lighting efficiency and control requirements*
08	Water Heating System Design	*Addresses goals described in Table F, enabling the project to exceed the minimum Title 24, Part 6 performance requirements*
09	Other Systems and Features	*Project is all-electric and includes a rooftop PV system to offset its heat pump central water heating system as well as other electric end use energy*

J. COMMISSIONING PLAN

This Section Does Not Apply

K. FUNCTIONAL PERFORMANCE TESTING

This Section Does Not Apply

L. DOCUMENTATION AND TRAINING

This Section Does Not Apply

M. COMMISSIONING REPORT

This Section Does Not Apply

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

There are no Certificates of Installation applicable to commissioning requirements.

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Although there are no "CXR" Certificates of Acceptance required to document commissioning requirements, Certificates of Acceptance may be used to supplement functional performance testing required by §120.8(g).

CERTIFICATE OF COMPLIANCE			NRCC-CXR-E
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Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 18, 2021

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Ryan Schmidt	Documentation Author Signature:	
Company:	CPG Consultants	Signature Date:	10/25/2021
Address:	2443 Fillmore Street #138	CEA/ HERS Certification Identification (if applicable):	NR16-16-20028
City/State/Zip:	San Francisco, CA 94115	Phone:	(650) 269-3470

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 Designer Name:	Lauri Moffet-Fehlberg, AIA LEED AP	Responsible Designer Signature:	
Company :	Dahlin Group	Date Signed:	October 25, 2021
Address:	5865 Owens Drive	License:	C-19799
City/State/Zip:	Pleasanton, CA 94588	Phone:	925-251-7200

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.			
Project Name: The Meridian		Report Page:	Page 1 of 7
Project Address: 3941 Stevens Creek, Santa Clara, CA 95051		Date Prepared:	October 22, 2021

A. GENERAL INFORMATION

01	Project Location (city)	Santa Clara	04	Total Conditioned Floor Area (ft^2)	73,553
02	Climate Zone	4	05	Total Unconditioned Floor Area (ft^2)	15,040
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	6

☐ Office	☐ Retail	☐ Warehouse	☐ Hotel/Motel	☐ School	☐ Support Areas
☐ Parking Garage	☑ High-Rise Residential	☐ Relocatable	☐ Healthcare	☑ Other (write in):	HR res support / amenity

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft^2)	Calculation Method	Area (ft^2)
☑ New Lighting System			Area Category	15,040
☐ Altered Lighting System				
Total Area of Work (ft^2)			**15,040**	

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.	**Allowed Lighting Power per §140.6(b) (Watts)**							**Adjusted Lighting Power per §140.6(a) (Watts)**				**Compliance Results**
	01	02	03	04		05		06	07		08	09
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Additional §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	=	**Total Allowed** (Watts)	≥	Total Designed (Watts)	Adjustments: PAF Control Credits §140.6(a)2 (-)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 Must be ≥ 08** §140.6
	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table F)	(See Table P)			
Conditioned:					=		≥			=		
Unconditioned:		2,571.7			=	**2,571.7**	≥	1,206.6		=	**1,206.6**	**COMPLIES**

Table Continued

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name: The Meridian	Report Page:	Page 2 of 7
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Controls Compliance (See Table H for Details)	**COMPLIES with Exceptional Conditions**
Rated Power Reduction Compliance (See Table Q for Details)	**Not Applicable**

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table H Indoor Lighting Controls Permit Applicant Notes:
Dumpster room 101: Multi-Level Dimming: Less than 0.5 watts per square foot
Electrical 105: Multi-Level Dimming: Less than 0.5 watts per square foot. Occupancy controls: Equipment Room
Bike room 115: Multi-Level Dimming: Less than 0.5 watts per square foot
Fire pump 121: Multi-Level Dimming: Less than 0.5 watts per square foot. Occupancy controls: Equipment Room
MPOE 120 123: Multi-Level Dimming: Less than 0.5 watts per square foot. Occupancy controls: Equipment Room
Mechanical 125: Multi-Level Dimming: Less than 0.5 watts per square foot. Occupancy controls: Equipment Room
Janitor + Trash rooms
x01 x03: Multi-Level Dimming: Less than 0.5 watts per square foot

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Unconditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change¹	Watts per luminaire²	How Wattage is determined	Total number luminaires	Exempt per §140.6(a)3	Design Watts	Field Inspector	
									Pass	Fail
P1	4' LED strip	☐	☐	33.4	Mfr. Spec²	14	☐	467.6	☐	☐
L1	4' LED wall-mount	☐	☐	39.5	Mfr. Spec²	2	☐	79	☐	☐
L2	4' LED wrap	☐	☐	33	Mfr. Spec²	20	☐	660	☐	☐
Total Designed Watts UNCONDITIONED SPACES:								**1,206.6**		

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
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[1] *FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*
[2] *Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

*Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03	
Mandatory Demand Response §110.12(c)	Shut-Off Controls §130.1(c)	Field Inspector	
		Pass	Fail
Not Required ≤ 10,000 SF	See Area/Space Level Controls	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector	
								Pass	Fail
Parking garage 103	Parking Garage - Parking Area	Auth. Personel	Dimmer	Occ. Sensor	NA	NA	☐	☐	☐
Dumpster room 101	All Other Space Types	Manual ON/ OFF	Exempt*	Occ. Sensor	NA	NA	☐	☐	☐
Electrical 105	Electrical, Mechanical, Telephone Rooms	Manual ON/ OFF	Exempt*	Exempt*	NA	NA	☐	☐	☐
Bike room 115	All Other Space Types	Auth. Personel	Exempt*	Occ. Sensor	NA	NA	☐	☐	☐
Stair 2 119	Stairwell	Auth. Personel	Dimmer	Occ. Sensor	NA	NA	☐	☐	☐
Fire pump 121	Electrical, Mechanical, Telephone Rooms	Manual ON/ OFF	Exempt*	Exempt*	NA	NA	☐	☐	☐

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MPOE 120 123	Electrical, Mechanical, Telephone Rooms		Manual ON/ OFF		Exempt*		Exempt*		NA		NA		☐	☐	☐
Mechanical 125	Electrical, Mechanical, Telephone Rooms		Manual ON/ OFF		Exempt*		Exempt*		NA		NA		☐	☐	☐
Janitor + Trash rooms x01 x03	All Other Space Types		Manual ON/ OFF		Exempt*		Occ. Sensor		NA		NA		☐	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2

13

Plan Sheet Showing Daylit Zones:

Dumpster room 101	*Multi-Level Dimming: Less than 0.5 watts per square foot*
Electrical 105	*Multi-Level Dimming: Less than 0.5 watts per square foot. Occupancy controls: Equipment Room*
Bike room 115	*Multi-Level Dimming: Less than 0.5 watts per square foot*
Fire pump 121	*Multi-Level Dimming: Less than 0.5 watts per square foot. Occupancy controls: Equipment Room*
MPOE 120 123	*Multi-Level Dimming: Less than 0.5 watts per square foot. Occupancy controls: Equipment Room*
Mechanical 125	*Multi-Level Dimming: Less than 0.5 watts per square foot. Occupancy controls: Equipment Room*
Janitor + Trash rooms x01 x03	*Multi-Level Dimming: Less than 0.5 watts per square foot*

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Unconditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft^2)	Area (ft^2)	Allowed Wattage (Watts)	Additional Allowances / Adjustment	
					Area Category	PAF
Parking garage	Parking Garage - Parking Area	0.1	11,553	1,155.3	☐	☐
Electrical Mechanical Telephone	Electrical, Mechanical, Telephone Rooms	0.4	1,066	426.4	☐	☐
Stairwell	Stairwell	0.5	216	108	☐	☐
Other / misc	All Other Space Types	0.4	2,205	882	☐	☐
		TOTAL:	**15,040**	**2,571.7**	See Tables J or P for detail	

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	The Meridian	Report Page:	Page 5 of 7
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J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	The Meridian	Report Page:	Page 6 of 7
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 22, 2021

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://ww2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
●	○	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.	☐	☐
○	●	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.	☐	☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
●	○	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐
○	●	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐
○	●	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	☐	☐
○	●	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).	☐	☐
○	●	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).	☐	☐

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	The Meridian	Report Page:	Page 7 of 7
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 22, 2021

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Ryan Schmidt	Documentation Author Signature:	Ryan Schmidt
Company:	CPG Consultants	Signature Date:	10/22/2021
Address:	2443 Fillmore Street, #138	CEA/ HERS Certification Identification (if applicable):	NR16-16-20028
City/State/Zip:	San Francisco, CA 94115	Phone:	650-269-3470

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 Designer Name:	Adam French, P.E.	Responsible Designer Signature:	ADAM FRENCH
Company :	Emerald City Engineers, Inc.	Date Signed:	10/22/21
Address:	21705 Highway 99	License:	E19421
City/State/Zip:	Lynnwood, WA 98036	Phone:	425-741-1200

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)2L for outdoor lighting scopes using the prescriptive path.			
Project Name:	The Meridian	Report Page:	Page 1 of 6
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 21, 2021

A. GENERAL INFORMATION

01	Project Location (city)	Santa Clara	04	Total Illuminated Hardscape Area (ft^2)	9,200
02	Climate Zone	4			
03	Outdoor Lighting Zone per Title 24, Part 1 §10-114 or as designated by Authority Having Jurisdiction (AHJ):				
☐ LZ-0: Very Low - Undeveloped Parkland		☐ LZ-2: Moderate - Rural Areas	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐ LZ-1: Low - Developed Parkland		☑ LZ-3: Moderately High - Urban Areas			

B. PROJECT SCOPE

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)2L for alterations.

My project consists of:

01	02	
☑ New Lighting System	Must Comply with Allowances from §140.7.	
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ◯ Yes ◯ No	
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100*

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2L													**Compliance Results**			
01		02		03		04		05		06		07		08	09
General Hardscape Allowance §140.7(d)1	+	Per Application §140.7(d)2	+	Sales Frontage §140.7(d)2	+	Ornamental §140.7(d)2	+	Per Specific Area §140.7(d)2	OR	Existing Power §141.0(b)2L	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 Must be ≥ 08**
(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)		(See Table N)				(See Table F)	
1,070.4	+		+		+		+		OR		=	1,070.4	≥	409	**COMPLIES**
Cutoff Compliance (See Table G for Details)												**Not Applicable**			
Controls Compliance (See Table H for Details)												**COMPLIES with Exceptional Conditions**			

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	The Meridian	Report Page:	Page 2 of 6
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 21, 2021

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table F. Outdoor Lighting Fixture Schedule Permit Applicant Notes:
Z1: Lighting is attached to a high rise residential building; EXCEPTION 7 to Section 130.2(b)
Z2: Lighting is attached to a high rise residential building; EXCEPTION 7 to Section 130.2(b)
Table H. Outdoor Lighting Controls Permit Applicant Notes:
L1 Building facade / entry: Motion sensor: Fixtures < 40W
L2 Community Room entry / outdoor space: Motion sensor: Fixtures < 40W

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

At time of submittal the Level 2 Community Room outdoor space landscape lighting plan and specification remains TBD. LS1 fixture and quantities included in Table F below are placeholder / estimated values.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1,2]	How Wattage is determined	Total number luminaires[2]	Luminaire Status[3]	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)[4]	Field Inspector	
										Pass	Fail
Z1	4" LED downlight	☐ Linear	12	Mfr. Spec[1]	12	New	☐	144	Exempt*	☐	☐
Z2	Exterior wedge light	☐ Linear	15	Mfr. Spec[1]	11	New	☐	165	Exempt*	☐	☐
LS1	Landscape lighting	☐ Linear	10	Mfr. Spec[1]	10	New	☐	100	NA: <6,200 lumens	☐	☐
		☐ Linear					☐	0		☐	☐
		☐ Linear					☐	0		☐	☐
							Total Designed Watts:	**409**			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b).

Table Continued

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: The Meridian	Report Page:	Page 3 of 6
Project Address: 3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 21, 2021

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Watts per luminaire[1,2]	How Wattage is determined	Total number luminaires[2]	Luminaire Status[3]	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)[4]	Field Inspector	
									Pass	Fail
Z1	Lighting is attached to a high rise residential building; EXCEPTION 7 to Section 130.2(b)									
Z2	Lighting is attached to a high rise residential building; EXCEPTION 7 to Section 130.2(b)									

[1] FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)
[2] For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.
[3] Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope
[4] Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).

G. CUTOFF REQUIREMENTS (BUG)

This Section Does Not Apply

H. OUTDOOR LIGHTING CONTROLS

Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
*When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.*

Mandatory Controls

01	02	03	04	05	
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector	
				Pass	Fail
L1 Building facade / entry	Astronomical Timer	Yes	Exempt *	☐	☐
L2 Community Room entry / outdoor space	Astronomical Timer	Yes	Exempt *	☐	☐

Table Continued

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	The Meridian	Report Page:	Page 4 of 6
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 21, 2021

01	02	03	04	05	
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector	
				Pass	Fail

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

L1 Building facade / entry	Motion sensor: Fixtures < 40W
L2 Community Room entry / outdoor space	Motion sensor: Fixtures < 40W

I. LIGHTING POWER ALLOWANCE (per §140.7)

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lost it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

01				
	"Use it or lose it" Allowances (select all that apply)			
☑ General Hardscape Allowance	☐ Per Application	☐ Sales Frontage	☐ Ornamental	☐ Per Specific Area
Table I (below)	Table J	Table K	Table L	Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

02	03	04	05	06	07	08	09	10
Area Description	Surface Type	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
		Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
L1 Building facade / entry	Concrete	5,480	0.03	164.4	666	0.4	266.4	430.8
L2 Comm Rm entry / outdoor spc	Concrete	3,720	0.03	111.6	445	0.4	178	289.6
								0
							Initial Wattage Allowance for Entire Site (Watts):	**350**
							Total General Hardscape Allowance (Watts):	**1,070.4**

J. LIGHTING ALLOWANCE: PER APPLICATION

This Section Does Not Apply

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	The Meridian	Report Page:	Page 5 of 6
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 21, 2021

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL

This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This Section Does Not Apply

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be 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/

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
◉	○	NRCI-LTO-01-E - Must be submitted for all buildings.	☐	☐
◉	○	NRCI-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. 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: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector	
			Pass	Fail
◉	○	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	☐	☐

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	The Meridian	Report Page:	Page 6 of 6
Project Address:	3941 Stevens Creek, Santa Clara, CA 95051	Date Prepared:	October 21, 2021

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT			
I certify that this Certificate of Compliance documentation is accurate and complete			
Documentation Author Name:	Ryan Schmidt	Documentation Author Signature:	Ryan_Schmidt Digitally signed by Ryan_Schmidt Date: 2021.10.22 13:27:57 -07'00'
Company:	CPG Consultants	Signature Date:	10/22/2021
Address:	2443 Fillmore Street, #138	CEA/ HERS Certification Identification (if applicable):	NR16-16-20028
City/State/Zip:	San Francisco, CA 94115	Phone:	650-269-3470

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 Designer Name:	Adam French, P.E.	Responsible Designer Signature:	Adam French Digitally signed by Adam French Date: 2021.10.22 12:49:44 -07'00'
Company :	Emerald City Engineers, Inc.	Date Signed:	10/22/21
Address:	21705 Highway 99	License:	E19421
City/State/Zip:	Lynnwood, WA 98036	Phone:	425-741-1200

Electrical Power Distribution

CERTIFICATE OF COMPLIANCE			NRCC-ELC-E
This document is used to demonstrate compliance with mandatory requirements in §130.5, for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)2P for alterations..			
Project Name:	The Meridian (Stevens Creek)	**Report Page:**	**(Page 1 of 6)**
Project Address:	3491 Stevens Creek, Santa Clara, CA	**Date Prepared:**	2021-10-21T17:41:46-04:00

A. GENERAL INFORMATION

01	Project Location (city)		Santa Clara			02	Occupancy Types Within Project:				
☐	Office	☐	Retail	☐	Warehouse	☐	Hotel/Motel	☐	School	☐	Support Areas
☒	Parking Garage	☒	High-Rise Residential	☐	Relocatable	☐	Healthcare Facilities	☐	Other (write in)		

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01		02	03	04	05
Electrical Service Designation/Description		Scope of Work[1]	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a) [2]	System subject to CA Elec Code Article 517 Exception to §130.5(a)and (b)
MDP-A		New electrical service equipment and meter	900	☒	☐
06	Demand Response Controls	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §120.2, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.			

[1]*FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required.*

[2] *Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.*

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01		02		03		04	05
Service Electrical Metering §130.5(a) (See Table F)	AND	Separation for Monitoring §130.5(b) (See Table G)	AND	Voltage Drop §130.5(c) (See Table H)	AND	Controlled Receptacles §130.5(d) (See Table I)	
	AND	Yes	AND	Yes	AND	Yes	COMPLIES with Exceptional Conditions

CERTIFICATE OF COMPLIANCE			NRCC-ELC-E
Project Name:	The Meridian (Stevens Creek)	**Report Page:**	**(Page 2 of 6)**
Project Address:	3491 Stevens Creek, Santa Clara, CA	**Date Prepared:**	2021-10-21T17:41:46-04:00

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

Table B indicates the project is exempt from §130.5(a) Service Electrical Metering requirements because the utility company has provided the project a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

E. ADDITIONAL REMARKS

This table is includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. SERVICE ELECTRICAL METERING

This section does not apply to this project.

CERTIFICATE OF COMPLIANCE			NRCC-ELC-E
Project Name:	The Meridian (Stevens Creek)	**Report Page:**	**(Page 3 of 6)**
Project Address:	3491 Stevens Creek, Santa Clara, CA	**Date Prepared:**	2021-10-21T17:41:46-04:00

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(b). Any load types that are not included in the service do not need to be shown.

01	02	03	04	05	
Load Type per Table 130.5-B[1]	Minimum Required Separation of Load per Table 130.5-B	Compliance Method[2]	Location of Requirements in Construction Documents	Field Inspector	
				Pass	Fail
MDP-A					
Industrial/Commercial Load Centers greater than or equal to 25kVA	All loads in aggregate	Method 2	E5.00, E5.02	☐	☐
Charging stations for electrical vehicle	All loads in aggregate	Method 1	E5.00, E5.02	☐	☐
Domestic and service water systems	All loads in aggregate	Method 1	E5.00, E5.02	☐	☐
Elevators, escalators, moving walkways	All loads in aggregate	Method 1	E5.00, E5.02	☐	☐
HVAC systems and components	All HVAC in aggregate and each HVAC load rated at least 50 kVA	Method 1	E5.00, E5.02	☐	☐
Lighting including exit, egress and exterior	All lighting disaggregated by floor, type or area	Method 1	E5.00, E5.02	☐	☐
Plug Loads and appliances less than 25kVA	All plug loads separated by floor, type or area Groups of plug loads exceeding 25 kVA connected load in an area less than 5000 sf	Method 1	E5.00, E5.02	☐	☐

** NOTES: If "Other*" is selected under Compliance Method above, please indicate how compliance has been achieved in the space provided below.*

[1] FOOTNOTES: For each separate load type, up to 10% of the connected load may be of any type.
[2] Method 1: Switchboards/ motor control centers/ panelboard loads disaggregated for each load type.
Method 2: Switchboards/ motor control centers/ panelboard supply other distribution equipment with loads disaggregated for each load type.
Method 3: Branch circuits serve load types individually and provisions for adding future branch circuit monitoring.
Method 4: Complete metering system measures and reports loads by type.
See Chapter 8 of the Nonresidential Compliance Manual for more detail on Compliance Methods.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)2Piii

CERTIFICATE OF COMPLIANCE			NRCC-ELC-E
Project Name:	The Meridian (Stevens Creek)	Report Page:	(Page 4 of 6)
Project Address:	3491 Stevens Creek, Santa Clara, CA	Date Prepared:	2021-10-21T17:41:46-04:00

H. VOLTAGE DROP

01	02				03	04	05	
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method				Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
							Pass	Fail
MDP-A	☒	Voltage drop less than 5%	☐	Permitted by CA Elec Code (Exception to 130.5(c))*	In construction documents	E5.03	☐	☐

** NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*

[1] FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

I.CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES

This table includes entirely new or complete replacement electrical power distribution systems to demonstrate compliance with §130.5(d). Both controlled and uncontrolled receptacles must be provided in office areas, lobbies, conference rooms, kitchen areas in office spaces, copy rooms and hotel/motel guest rooms.

01	02	03	04	05	06	
Room name or Description	Location/ Type of Controlled Receptacles	Shut-Off Controls	Permanent Durable Marking Will be Used	Location of Requirements in Construction Documents	Field Inspector	
					Pass	Fail
MAIN LOBBY OFFICES	Within 6ft of uncontrolled receptacle	Occupancy Sensor	☒	E2.01P	☐	☐

** NOTES: If "Other*" is selected under Shut-Off Controls above, please indicate how compliance has been achieved in the space provided below.*

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be 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/

Yes	No	Form/Title	Field Inspector		
			Pass	Fail	
●	○	NRCI-ELC-01-E - Must be submitted for all buildings	false	☐	☐

CERTIFICATE OF COMPLIANCE			NRCC-ELC-E
Project Name:	The Meridian (Stevens Creek)	**Report Page:**	**(Page 5 of 6)**
Project Address:	3491 Stevens Creek, Santa Clara, CA	**Date Prepared:**	2021-10-21T17:41:46-04:00

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no Certificates of Acceptance applicable to electrical power distribution requirements.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name: Adam French, P.E.	Documentation Author Signature:
Company: Emerald City Engineers, Inc.	Signature Date: 10/21/2021
Address: 21705 Highway 99	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: Lynnwood, WA 98036	Phone: 425-741-1200

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 Designer Name: Adam French, P.E.	Responsible Designer Signature:
Company: Emerald City Engineers, Inc.	Date Signed: 10/21/2021
Address: 21705 Highway 99	License: E19421
City/State/Zip: Lynnwood, WA 98036	Phone: 425-741-1200