STATE OF CALIFORNIA Mechanical Systems	STATE OF CALIFORNIA Mechanical Systems	STATE OF CALIFORNIA Mechanical Systems
NRCC-MCH-E CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-MCH-E	NRCC-MCH-E CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-MCH-E	NRCC-MCH-E CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-MCH-E
This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive	Project Name: GWSD SITE Report Page: (Page 2 of 7)	Project Name: GWSD SITE Report Page: (Page 3 of 7)
path outlined in §140.4, or §141.0(b)2 for alterations. Project Name: GWSD SITE Report Page: (Page 1 of 7)	Project Address: Date Prepared: 2022-12-09T13:42:47-05:00	Project Address: Date Prepared: 2022-12-09T13:42:47-05:00
Project Address:Date Prepared:2022-12-09T13:42:47-05:00	C. COMPLIANCE RESULTS	F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)
A. GENERAL INFORMATION	Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.	This table is used to demonstrate compliance for mechanical equipment with mandatory requirements found in $\frac{\$110.1}{\$140.4(b)}$ and $\frac{\$110.2(a)}{\$140.4(b)}$ and $\frac{\$140.4(b)}{\$140.4(b)}$ for alterations.
01Project Location (city)SANTA BARBARA04Total Conditioned Floor Area299502Climate Zone605Total Unconditioned Floor Area0	01 02 03 04 05 06 07 08 09	Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters)
03 Occupancy Types Within Project: 06 # of Stories (Habitable Above Grade) 1	System Summary AND Pumps AND Economizers AND System Controls AND Contr	01 02 03 04 05 06 07 08 09 10 11 Equipment Sizing per Mechanical Schedule (kBtu/h)
☑ Office (B) ☐ Retail (M) ☐ Non-refrigerated Warehouse (S) ☐ Hotel/ Motel Guest Rooms (R-1) ☐ School (E) ☐ Healthcare Facility (I)	\$\frac{\fir}{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fir}\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\frac{\fra	<u>§140.4</u> (a&b)
☐ High-Rise Residential (R-2/R-3) ☐ Relocatable Class Bldg (E) ☐ Other (Write In)	§110.2, §140.4(e) §120.2, §140.4(f) 9140.4(f) 9140.4(f) 9140.4(f) (See Table F) (See Table G) (See Table H) (See Table J) (See Table K) (See Table L) (See Table M)	Name or Item Equipment Category per Equipment Type per Tables 110.2 / Title Available Available Smallest Size Available Smallest Size Available Smallest Size Available Supplement Type per Tables 110.2 / Title Available Supplement Type per Tables 110.2 / Title Smallest Size Available Supplement Type per Tables 110.2 / Title Smallest Size Available Supplement Type per Tables 110.2 / Title Smallest Size Available Supplement Type per Tables 110.2 / Title Smallest Size Available Supplement Type per Tables 110.2 / Title Smallest Size Available Supplement Type per Tables 110.2 / Title Smallest Size Available Supplement Type per Tables 110.2 / Title Smallest Size Available Supplement Type per Tables 110.2 / Title Smallest Size Available Supplement Type per Tables 110.2 / Title Smallest Size Available Supplement Type per Tables 110.2 / Title Smallest Size Available Supplement Type per Tables 110.2 / Title Smallest Size Available Supplement Type per Tables Smallest Size Available Smallest Smallest Size Available Smallest Small
B. PROJECT SCOPE	Yes AND AND AND Yes AND AND AND AND COMPLIES	Tag Tables 110.2 20 Sensible Rated Heating Per Design Rated Heating Per Design Rated Heating Rated Heating Rated Heating Rated Heating Rated Rated Heating Rated Heating Rated Heating Rated Rated Heating Rated R
This table Includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.4, or §141.0(b)2 for alterations.	Mandatory Measures Compliance (See Table Q for Details) COMPLIES	(kBtu/h) (kBtu/h) Output (kBtu/h) (kBtu/h) (kBtu/h) Load (kBtu/h) (kBtu/h)
01 02 03	D. EXCEPTIONAL CONDITIONS	RTU-1 & RTU-2 Unitary Heat Pumps Air-cooled, pkg (3 phase) Yes 37200 46000 0 39200 58500 48000 44000
Air System(s) Wet System Components Dry System Components Heating Air System Water Economizer Air Economizer	This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.	¹ FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per §140.4(a). Healthcare facilities are excepted.
☑ Cooling Air System ☐ Pumps ☐ Electric Resistance Heat Mechanical Controls ☐ System Piping ☐ Fan Systems	E. ADDITIONAL REMARKS This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.	² It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.
Mechanical Controls (existing to remain, altered		³ If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank. ⁴ Authority Having Jurisdiction may ask for load calculations used for compliance per §140.4(b).
or new) Chillers Ventilation		Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP)) 01 02 03 04 05 06 07 08 09
□ Boilers □ Zonal Systems/ Terminal Boxes		Heating Mode Cooling Mode
		Name or Item Size Category Rating Efficiency Minimum Efficiency Efficiency
		Tag (Btu/h) Condition Efficiency Unit Required per Design Efficiency Unit Required per Tables 110.2 / Tables 110.2 /
		Title 20 Title 20
		RTU-1 & RTU-2 >=135,000 and <240,000 47 °Fdb/ 43 °Fwb OSA COP 3.2 4 EER 10.6 12.8 11.6 12.8
Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace	Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace	Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 78908	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 78908	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 78908
Schema Version: rev 20200601 Report Generated: 2022-12-09 10:42:52	Schema Version: rev 20200601 Report Generated: 2022-12-09 10:42:52	Schema Version: rev 20200601 Report Generated: 2022-12-09 10:42:52
STATE OF CALIFORNIA	STATE OF CALIFORNIA	STATE OF CALIFORNIA
Mechanical Systems NRCC-MCH-E CALIFORNIA ENERGY COMMISSION	Mechanical Systems NRCC-MCH-E CALIFORNIA ENERGY COMMISSION	Mechanical Systems NRCC-MCH-E CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-MCH-E	CERTIFICATE OF COMPLIANCE NRCC-MCH-E	CERTIFICATE OF COMPLIANCE NRCC-MCH-E
Project Name:GWSD SITEReport Page:(Page 4 of 7)Project Address:Date Prepared:2022-12-09T13:42:47-05:00	Project Name:GWSD SITEReport Page:(Page 5 of 7)Project Address:Date Prepared:2022-12-09T13:42:47-05:00	Project Name:GWSD SITEReport Page:(Page 6 of 7)Project Address:Date Prepared:2022-12-09T13:42:47-05:00
G. PUMPS This section does not apply to this project.	M. COOLING TOWERS This section does not apply to this project.	Q. MANDATORY MEASURES DOCUMENTATION LOCATION This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.
H. FAN SYSTEMS & AIR ECONOMIZERS	N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION	01 02
This section does not apply to this project.	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.	Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block
I. SYSTEM CONTROLS	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/	03 04 Mandatory Measure Plan sheet or construction document location
This table is used to demonstrate compliance with mandatory controls in §110.2 and §120.2 and prescriptive controls in §140.4(f) and (n) or requirements in §141.0(b)2E for altered	Form/Title	Heating Equipment Efficiency per §110.1 M1.0
space conditioning systems. 01 02 03 04 05 06 07 08 09	NRCI-MCH-01-E - Must be submitted for all buildings	Cooling Equipment Efficiency per §110.1 Furnace Standby Loss Control per §110.2(d) N/A
Conditioned Thermostats Shut-Off Zone Demand Response Supply Air Window Interlocks per	O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE	Heat Pump with Supplemental electric Resistance Heater Controls per §110.2(b) M1.0
System Name Zoning Being Served \$\frac{\fir}\frac{\frac{\frac{\frac{\frac{\f{\fra	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	
NA: 7 day NA:	https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/	
RTU Multi-zone > 25,000 ft ² Setback per Continuous DR Tstat per §110.12 Included NA: Auto-closing doors §120.2(e)1 Heat/Cool	Form/Title Systems/Spaces To Be Field Verified	
¹ FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.	NRCA-MCH-16-A Supply Air Temperature Reset Controls RTU	
*Notes: Controls with a * require a note in the space below explaining how compliance is achieved. EX: system 1: SA Temp Reset: Exempt because zones compliant with §140.4(d);	P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION	
EXCEPTION 1 to §140.4(f)	There are no NRCV forms required for this project.	
J. VENTILATION AND INDOOR AIR QUALITY This section does not apply to this project.		
K. TERMINAL BOX CONTROLS		
This section does not apply to this project.		
L. DISTRIBUTION (DUCTWORK and PIPING)		
This section does not apply to this project.		
Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace	Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace	Registration Number: Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 78908 Schema Version: rev 20200601 Report Generated: 2022-12-09 10:42:52	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 78908 Schema Version: rev 20200601 Report Generated: 2022-12-09 10:42:52	CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance Report Version: 2019.1.003 Compliance ID: 78908 Schema Version: rev 20200601 Report Generated: 2022-12-09 10:42:52
STATE OF CALIFORNIA Mechanical Systems		
NRCC-MCH-E CALIFORNIA ENERGY COMMISSION CERTIFICATE OF COMPLIANCE NRCC-MCH-E		
Project Name: GWSD SITE Report Page: (Page 7 of 7)		
Project Address: Date Prepared: 2022-12-09T13:42:47-05:00		
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT		
I certify that this Certificate of Compliance documentation is accurate and complete. Documentation Author Signature: Documentation Author Signature:		
Christopher Fontaine		
Company: Aesus Design Group Signature Date:		
Address: CEA/ HERS Certification (if applicable): City/State/Zip: Phone:		
RESPONSIBLE PERSON'S DECLARATION STATEMENT I certify the following under penalty of perjury, under the laws of the State of California:		
 The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer) 		
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: Responsible Designer Signature:		
Christopher Fontaine		
Company: Aesus Design Group Date Signed:		
Address: License: City/State/Zip: Phone:		

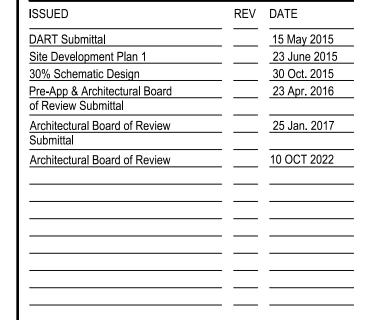


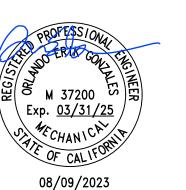
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ADMINISTRATION BUILDING







DRAWING

MECHANICAL **ENERGY CODE**

40903

PROJECT NUMBER

M-0.1

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Documentation Software: Energy Code Ace

Compliance ID: 78908 Report Generated: 2022-12-09 10:42:52

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Report Version: 2019.1.003

Schema Version: rev 20200601

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