

Project Name:	48 Micro Unit Apartment	NRCC-PRF-01-E	Page 28 of 34
Project Address:	4060-4080 Oregon Street San Diego	Calculation Date/Time:	01:16, Tue, Jul 19, 2022
Input File Name:	2022.07.18.cibd19x		

H9. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY												
1	2	3	4	5		6			7			13
				Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	
System ID	Zone Name	System Type	Qty	Rated Capacity (kBtu/h)		Airflow (cfm)			Fan			
75-Unit Q-EXH	74-Unit Q	VentilationOnly SupplyOnly	1	NA	NA	90	NA	NA	0.156	W/cfm		
55 6R	75-Unit R	SZHP	1	23.00	17.00	622	NA	NA	0.069	bhp		
76-Unit R-EXH	75-Unit R	VentilationOnly SupplyOnly	1	NA	NA	90	NA	NA	0.156	W/cfm		
55 6M	76-Unit M	SZHP	1	23.00	17.00	622	NA	NA	0.069	bhp		
77-Unit M-EXH	76-Unit M	VentilationOnly SupplyOnly	1	NA	NA	90	NA	NA	0.156	W/cfm		
55 6N	77-Unit N	SZHP	1	23.00	17.00	622	NA	NA	0.069	bhp		
78-Unit N-EXH	77-Unit N	VentilationOnly SupplyOnly	1	NA	NA	90	NA	NA	0.156	W/cfm		
1-Media Lounge-Trm	1-Media Lounge	Uncontrolled	1	NA	NA	425	NA	0.00	0.097	bhp	NA	

H10. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

H11. HEAT RECOVERY SUMMARY

This Section Does Not Apply

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-07-19 01:50:37

Project Name:	48 Micro Unit Apartment	NRCC-PRF-01-E	Page 29 of 34
Project Address:	4060-4080 Oregon Street San Diego	Calculation Date/Time:	01:16, Tue, Jul 19, 2022
Input File Name:	2022.07.18.cibd19x		

II. 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 (In/Ex)	Standby Loss Fraction	1st Hour Rating or Flow Rate (gal)	Heat Pump Type	Tank Location or Ambient Condition
DYNAFORCE CAMUS DRW12001	Gas	Instantaneous	2	1.00	1200	kBtu/h	0.99	Thrm. Eff.	NA	0.005	NA	NA	NA
DYNAFORCE CAMUS DRW12001.2	Gas	Commercial Instantaneous (TE)	2	1.00	1200	kBtu/h	0.990	Thrm. Eff.	NA	NA	NA	NA	NA

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
MFO-DYNAFORCE CAMUS DRW12001	"Domestic Hot Water (DHW)"	Central	2	No Control (continuous pumping)	Standard	DYNAFORCE CAMUS DRW12001.2	NA	NA

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
MFO-DYNAFORCE CAMUS DRW12001	1	1.5	Conditioned	109.064	Watts

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-07-19 01:50:37

Project Name:	48 Micro Unit Apartment	NRCC-PRF-01-E	Page 30 of 34
Project Address:	4060-4080 Oregon Street San Diego	Calculation Date/Time:	01:16, Tue, Jul 19, 2022
Input File Name:	2022.07.18.cibd19x		

K1. INDOOR CONDITIONED LIGHTING GENERAL INFO					
1	2	3	4	5	
Occupancy Type 1	Conditioned Floor Area 2 (ft²)	Installed Lighting Power (Watts)	Lighting Control Credits (Watts)	Area Category Footcotes (Watts)	Tailored Method (Watts)
Lounge, Breakroom, or Waiting Area	630	410	0	0	0
High-Rise Residential Living Spaces	50,530		0	0	0
Building Totals:	51,160	410	0	0	0

¹ See Table 140.6-C
² See NRCC-471-01-E for unconditioned spaces
³ Lighting information for existing spaces modeled is not included in the table

K4. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS

Building Level Controls						
1	2					
Mandatory Demand Response §110.12(c)	Shut-Off Controls §130.1(c)					
Required	Required					
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)

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-07-19 01:50:37

Project Name:	48 Micro Unit Apartment	NRCC-PRF-01-E	Page 31 of 34
Project Address:	4060-4080 Oregon Street San Diego	Calculation Date/Time:	01:16, Tue, Jul 19, 2022
Input File Name:	2022.07.18.cibd19x		

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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

Building Component	Form/Title
Envelope	NRCC-ENV-01-E - Must be submitted for all buildings
Mechanical	NRCC-MCH-01-E - Must be submitted for all buildings
Plumbing	NRCC-PLB-01-E - Must be submitted for all buildings
Indoor Lighting	NRCC-LTI-01-E - Must be submitted for high-rise residential and hotel/motel central hot water distribution systems to be recognized for compliance
Indoor Lighting	NRCC-LTI-01-E - Must be submitted for all buildings

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-07-19 01:50:37

Project Name:	48 Micro Unit Apartment	NRCC-PRF-01-E	Page 32 of 34
Project Address:	4060-4080 Oregon Street San Diego	Calculation Date/Time:	01:16, Tue, Jul 19, 2022
Input File Name:	2022.07.18.cibd19x		

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/NRCC/

Building Component	Form/Title
Envelope	NRCC-ENV-02-F - NRC label verification for fenestration
Indoor Lighting	NRCC-LTI-02-A - Occupancy Sensors and Automatic Time Switch Controls
Indoor Lighting	NRCC-LTI-04-A - Demand Responsive Lighting Controls
Mechanical	NRCC-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
Mechanical	NRCC-MCH-03-A - Constant Volume Single Zone HVAC
Mechanical	NRCC-MCH-13-A - Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance
Mechanical	NRCC-MCH-20 - Multifamily Ventilation
Mechanical	NRCC-MCH-21 - Multifamily Envelope

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-07-19 01:50:37

Project Name:	48 Micro Unit Apartment	NRCC-PRF-01-E	Page 33 of 34
Project Address:	4060-4080 Oregon Street San Diego	Calculation Date/Time:	01:16, Tue, Jul 19, 2022
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N. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

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

Building Component	Form/Title
Mechanical	NRCC-MCH-24-H - Enclosure Air Leakage
Mechanical	NRCC-MCH-27 - Indoor Air Quality & Mechanical Ventilation
Mechanical	NRCC-MCH-32-H - Local Mechanical Exhaust

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-07-19 01:50:37

Project Name:	48 Micro Unit Apartment	NRCC-PRF-01-E	Page 34 of 34
Project Address:	4060-4080 Oregon Street San Diego	Calculation Date/Time:	01:16, Tue, Jul 19, 2022
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DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	RAMIL BATIANCILIA	Signature:	<i>Ramil Batiancilia</i>
Company:	MR Engineering Consultants, Inc.	Signature Date:	2022-07-19
Address:	39210 State Street, #106	CEA/HERS Certification Identification (if applicable):	
City/State/Zip:	Fremont, CA 94538		
Phone:	510-509-2362		

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).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Envelope Designer Name:		Signature:	
Company:		Date Signed:	
Address:			
City/State/Zip:			
Phone:		Title:	License #:
Responsible Lighting Designer Name:		Signature:	
Company:		Date Signed:	
Address:			
City/State/Zip:			
Phone:		Title:	License #:
Responsible Mechanical Designer Name:	LEVI F. MALABUYO	Signature:	<i>Levi Malabuyo</i>
Company:	MR Engineering Consultants, Inc.	Date Signed:	2022-07-19
Address:	39210 State Street, #106		
City/State/Zip:	Fremont, CA 94538		
Phone:	510-509-2362	Title:	License #: M26141

CA Building Energy Efficiency Standards- 2019 Nonresidential Compliance Report Version: NRCC-PRF-01-E-12092021-6844 Report Generated at: 2022-07-19 01:50:37

REV	DESCRIPTION	DATE
1	DESIGN CHANGES	02/23/22
2	PC COMMENTS	11/22/22
3	PC COMMENTS	12/22/22

COASTAL FORM ARCHITECTS

2002 Jimmy Durante Blvd.
Suite 200
Del Mar, CA 92014

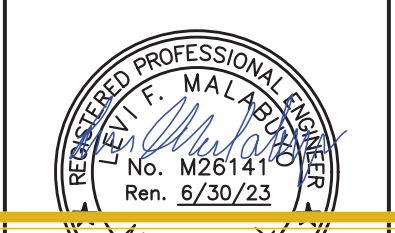
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www.mr-engineering.com

MR ENGINEERING CONSULTANTS INC.



This set of plans and specifications shall be kept on the site of the structure or work at all times during which work authorized by these plans is in progress, and shall be made available to city officials upon request. It is unlawful to change, modify, or alter the approved plans or specifications without the approval of the Building Official. The stamping of these plans and specifications SHALL NOT be held to permit or approve the violation of any City, County, State, or Federal laws, or restrictions.

MECHANICAL 24-H FORMS

PRJ-1045942
Nikola Stamenkovic

JOB NO: B1910-AA031
DRAWN: ME
CHECKED: CZ
SCALE: NONE
DATE: 10.21.2021

M0.8