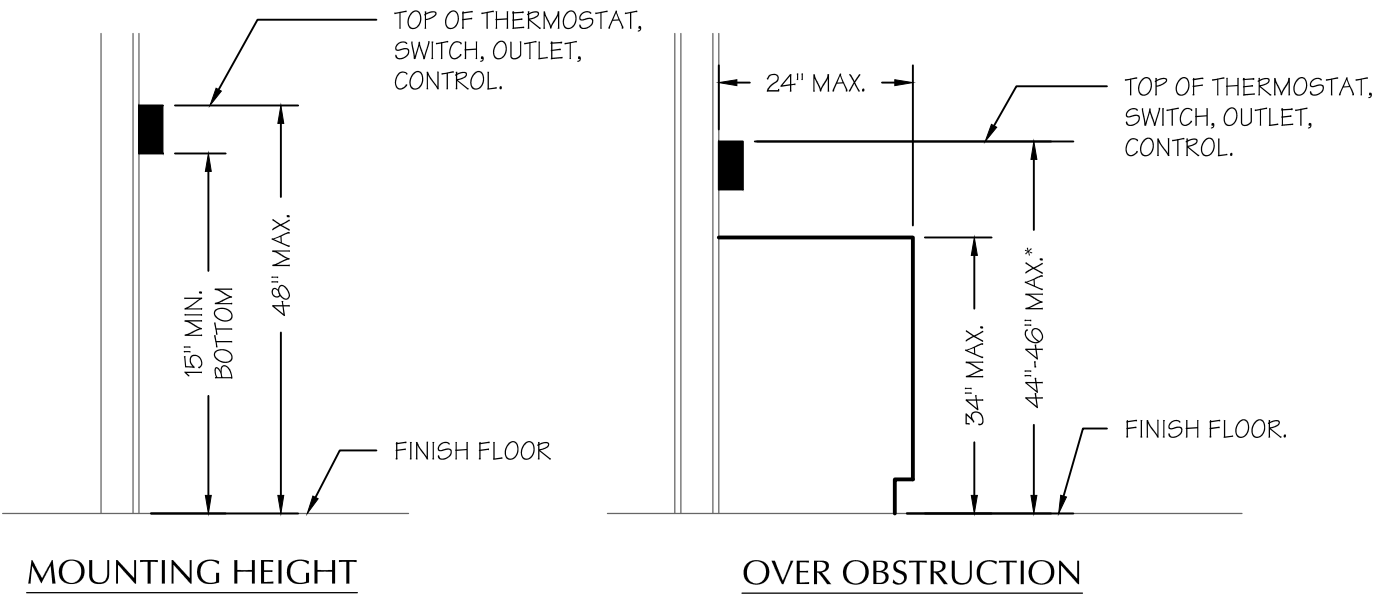


PACKAGE HEAT PUMP SCHEDULE	
DESIGNATION	HP-1
VOLTS/PHASE	208 / 1
AMPS	3.2
MCA/MOCP (AMPS)	3.7 / 15
SEER / EER @ ARI	12.0
BLOWER	
SUPPLY AIR (CFM)	330
EXT. S.P. (IN. WC)	0.00
MIN. O.S.A. (CFM)	65 (VENT MODE)
HP/BHP	0.07 / --
RPM	1050
DRIVE	DIRECT
COOLING	
TOTAL (MBH)	7.0
EADB/EAWB (°F)	80 / 67
AMBIENT AIR (°F)	95
HEATING	
CAPACITY (MBH)	6.1
COP	3.7
FILTER	
QUANTITY/SIZE (RETURN)	
TYPE	MERV 6
MANUFACTURER	AMANA
TYPE	PTAC
MODEL NUMBER	PTH073J R32
LOCATION	WALL MOUNTED
OPER. WT (LBS)	96
ACCESSORIES	1, 2, 3, 4

1. MOUNTING KIT, SOUND INSULATION WALL SLEEVE VERIFY WALL THICKNESS PRIOR TO ORDERING.
2. ALUMINUM EXTERIOR WALL GRILLE, QW WHITE
3. CONDESATE DRAIN KIT
4. HARDWIRE THERMOSTAT KIT w/ PELICAN TOI WI-FI THERMOSTAT.

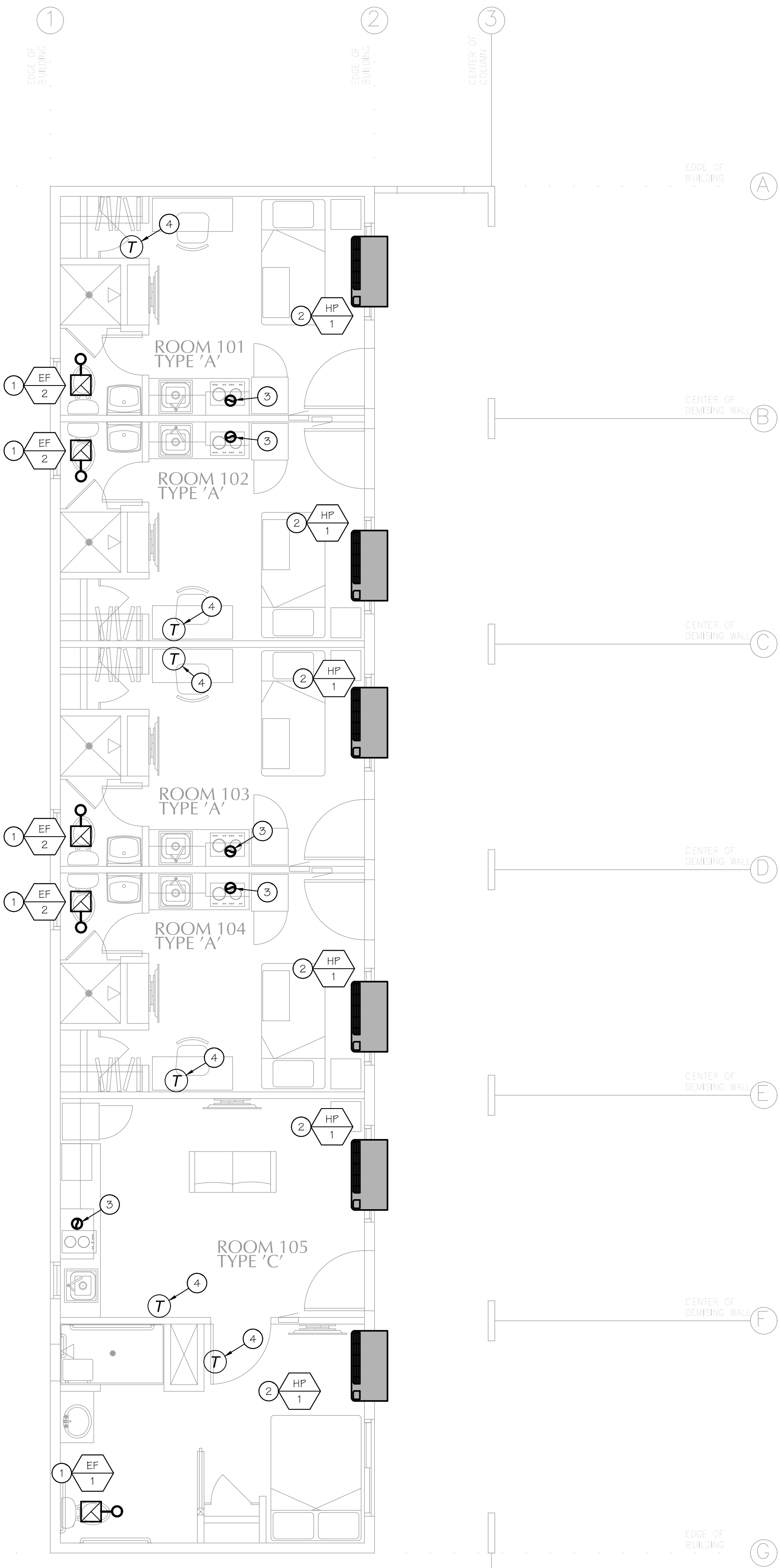


* 44" MAX. FOR WHEEL CHAIR FORWARD APPROACH AND 46" MAX. FOR SIDE APPROACH PER CBC FIGURE 11B-308.2.2(b) & 11B-308.3.2(b).

THERMOSTAT LOCATION DETAIL

SCALE: NTS

A



OVERALL MECHANICAL FLOOR PLAN

SCALE: 1/4"=1'-0"

Air Conditioning Legend

SYMBOL	ABBR.	ITEM	SYMBOL	ABBR.	ITEM
☒	A.C.	Air Conditioning	~	H.W.R.	Heating Water Return
☒	A.D.	Access Door	~	H.W.S.	Heating Water Supply
☒	A.F.F.	Above Finished Floor	INT.	INT.	Internal
☒	A.H.	Air Handler	LOC.	LOC.	Location
☒	B.A.S.	Building Automation System	M.O.	M.O.	Motor Operated
☒	B.V.	Butterfly Valve	(N)	(N)	New
☒	C.D.	Condensate Drain	N.C.	N.C.	Normally Closed
☒	C.E.	Celling Exhaust Register	N.L.C.	N.L.C.	Not in Contract
☒	C.W.R.	Condenser Water Return	N.O.	N.O.	Normally Open
☒	C.W.S.	Condenser Water Supply	O.S.A.	O.S.A.	Outside Air
☒	C.H.W.R.	Chilled/Hot Water Return	O.B.D.	O.B.D.	Opposed Blade Damper
☒	C.H.W.S.	Chilled/Hot Water Supply	P.D.C.	P.D.C.	Point of Connection
☒	COMB.	Combustion	P.F.	P.F.	Provide
☒	CONN.	Connection	PROV.	PROV.	Provide
☒	CONT.	Continuation	P.R.V.	P.R.V.	Pressure Reducing Valve
☒	C.R.	Celling Return Register	SIM.	SIM.	Similar
☒	C.G.	Celling Supply Register	S.F.D.	S.F.D.	Smoke / Fire Damper
☒	C.S.	Celling Supply Register	S.M. or S/M	S.M. or S/M	Sheet Metal
☒	C.V.	Check Valve	S.O.V.	S.O.V.	Shut Off Valve
☒	D.C.W.	Domestic Cold Water	S.P.S.T.	S.P.S.T.	Single Pole Single Throw
☒	DIA.	Diameter	STAT	STAT	Thermostat or Room Sensor
☒	D.L.	Door Louver	SURF.	SURF.	Surface
☒	DN.	Down	(TYP)	(TYP)	Typical
☒	D.P.D.T.	Double Pole Double Throw	U.G.	U.G.	Underground
☒	D.T.R.	Duct Thru Roof	UNO.	UNO.	Unless Noted Otherwise
☒	(E)	Existing	V.D.	V.D.	Volume Damper
☒	E.F.	Exhaust Fan	V.D.	V.D.	Vol. Damper w/ Remote Operator
☒	E.M.S.	Energy Management System	W	W	Wall Return Register
☒	EX.	Exhaust	W.R.	W.R.	Wall Supply Register
☒	F.D.	Fire Damper w/ acc. panel	W.S.	W.S.	Duct w/ Acoustic Lining
☒	F.F.	Floor	T.V.	T.V.	Turning Vanes
☒	F.L.R.	Flex Thru Roof			Extractor
☒	F.F.C.	Flexible Connection			
☒	FUM.	Furnace			
☒	G.A.	Gauge			
☒	GAL.	Gallon			
☒	GALV.	Galvanized			
☒	G.P.M.	Gallons per Minute			
☒	GRD.	Grade			
☒	G.V.	Gate Valve			
					CO2 SENSOR
					Union
					Reducer or In/Increase

EQUIPMENT SCHEDULE

EF-1

Greenheck SP-AP0511W-1 Ceiling Mounted Exhaust Fan, 100 CFM @ 0.12" E.S.P., 880 RPM, 1.50 sonex on high speed. Fan shall operate on high speed whenever the occupant sensor or humidity sensor is activated. Fan shall continue operation at high speed for an additional twenty minutes after occupant or humidity sensor is satisfied. Fan shall be set to automatically reduce airflow to 45 CFM at all other periods. Minimum fan operation to be 45 CFM continuous. Provide with backdraft damper, and connect full size discharge to roof vent cap. Complete with 2-speed capability with time delay, motor rated for continuous use, grille mounted motion detector (field installed), integrated humidity sensor (field installed), Energy Star most Efficient rating. NEMA-1 toggle switch.

Electrical: 0.29A @ 115v-1ph.

Operating Weight: 10 Lbs.

EF-2

Greenheck SP-AP0511W-1 Ceiling Mounted Exhaust Fan, 75 CFM @ 0.12" E.S.P., 817 RPM, 1.20 sonex on high speed. Fan shall operate on high speed whenever the occupant sensor or humidity sensor is activated. Fan shall continue operation at high speed for an additional twenty minutes after occupant or humidity sensor is satisfied. Fan shall be set to automatically reduce airflow to 45 CFM at all other periods. Minimum fan operation to be 45 CFM continuous. Provide with backdraft damper, and connect full size discharge to roof vent cap. Complete with 2-speed capability with time delay, motor rated for continuous use, grille mounted motion detector (field installed), integrated humidity sensor (field installed), Energy Star most Efficient rating. NEMA-1 toggle switch.

Electrical: 0.29A @ 115v-1ph.

Operating Weight: 10 Lbs.

General Project Note:

1. Coordination of work: Layout of materials, equipment and systems is generally diagrammatic unless specifically dimensioned. Some work may be shown offset for clarity. The actual location of all materials, piping, ductwork, fixtures, equipment, supports, etc. shall be carefully planned, prior to installation of any work to avoid all interferences with each other, or with structural, fire sprinkler, electrical, architectural or other elements. Verify the proper voltage and phase of all equipment with the electrical plans. All conflicts shall be called to the attention of the architect and the engineer prior to the installation of any work or the ordering of any equipment.
2. Cutting, boring, saw cutting or drilling through the new or existing structural elements to be done only when so detailed in the drawings or accepted by the Architect and Structural engineer.

MECHANICAL KEY NOTES:

1. CEILING EXHAUST FAN W/FULL SIZE DISCHARGE TO ROOF CAP, FAN IS TWO-SPEED AND IS TO RUN CONTINUOUSLY TO COMPLY WITH ASHRAE 62.2.
2. THRU THE WALL PTAC HEAT PUMP, INSTALL PER MANUFACTURERS INSTRUCTIONS.
3. 7"Ø EXHAUST DUCT FROM KITCHEN HOOD, FOR UNITS WITH MICROWAVE HOOD PROVIDE 3.25"x10" TRANSITION, FIELD COORDINATE EXACT TYPE OF HOOD.
4. SEE TYP. DETAIL A/M110



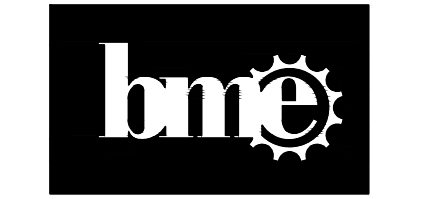
Skarphol/Frank

Associates

ARCHITECTURE • PLANNING • INTERIORS
Paul Skarphol, Architect • Gregory Frank, Architect

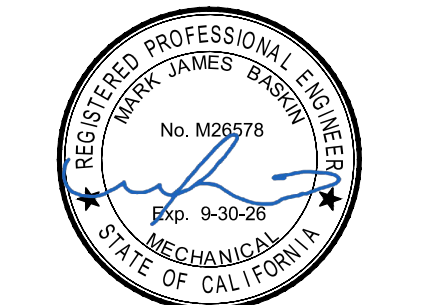
925 17th Street
Bakersfield, CA 93301
(861) 334-0741
skarpholfrank.com

These drawings, related specifications, ideas, designs and arrangements represented hereby are and shall remain the property of the Architect and no part thereof shall be copied, disclosed to others used in connection with any work or project other than the specific project which they have been prepared and developed without the written consent of the Architect. Visual contact with these drawings or specifications shall constitute conclusive acceptance of these restrictions.



BASKIN
MECHANICAL
ENGINEERS

175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 25025
Plt: 12-01-25



ADAPTIVE REUSE
AND APARTMENT
CONVERSION FOR
UNHOUSED
VETERANS IN
COLLABORATION
WITH:



901 UNION AVE
BUILDING 100
BAKERSFIELD, CALIFORNIA

DATE	ISSUED FOR

REVISION	DESCRIPTION

JOB	M110
DP	
PM	

BUILDING 100

STATE OF CALIFORNIA

Mechanical Systems

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 path outlined in §140.4, or §141.0(b)2 for alterations.

Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans

Report Page: (Page 1 of 19)

Project Address: Building 100 901 Union Ave.

Date Prepared: 9/30/2026

A. GENERAL INFORMATION					
01	Project Location (city)	Bakersfield	04	Total Conditioned Floor Area	997
02	Climate Zone	13	05	Total Unconditioned Floor Area	0
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	1
● Hotel/Motel					

B. PROJECT SCOPE
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, §170.2(b) or §141.0(b)2 and §180.2(b)2 for alterations.

01		02		03	
Air System(s)		Wet System Components		Dry System Components	
☒	Heating Air System	☐	Water Economizer	☐	Air Economizer
	Cooling Air System		Pumps		Electric Resistance Heat
☒	Ventilation (including DOAS, ERV, HRV systems)	☐	System Piping	☒	Fan Systems
	Mechanical Controls		Cooling Towers		Ductwork (existing to remain, altered or new)
☒	Mechanical Controls (existing to remain, altered or new)	☐	Chillers	☐	Zonal Systems/ Terminal Boxes
			Boilers		

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000

Compliance ID: EPR-8598-0926-0035

Schema Version: rev 20250101

Report Generated: 2026-09-30 09:05:14

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-MCH-E

Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans

Report Page: (Page 4 of 19)

Date Prepared: 9/30/2026

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)
Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)

¹FOOTNOTES: 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) and §170.2(c)1. Healthcare facilities are excepted.
²It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.
³If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.
⁴Authority Having Jurisdiction may ask for load calculations used for compliance per §140.4(b) and §170.2(c).

Dry System Equipment Efficiency (Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP) only)						
01	02	03	04	05	06	07
Name or Item Tag	Heating Mode				Cooling Mode	
	Rated Output Capacity (kBtu/h)	Minimum COP Required per Table 110.2-E	Design COP	Rated Output Capacity (kBtu/h)		Design EER
HP-1-101	7	FederalMinimum	3.7	7		12
HP-1-102	7	FederalMinimum	3.7	7		12
HP-1-103	7	FederalMinimum	3.7	7		12
HP-1-104	7	FederalMinimum	3.7	7		12
HP-1-105	7	FederalMinimum	3.7	7		12

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000

Compliance ID: EPR-8598-0926-0035

Schema Version: rev 20250101

Report Generated: 2026-09-30 09:05:14

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-MCH-E

Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans

Report Page: (Page 7 of 19)

Date Prepared: 9/30/2026

H. FAN SYSTEMS & AIR ECONOMIZERS															
System Name	HP-1-102	Quantity	1	Fan System Status	Alteration	System Zoning	all other systems	Serving Dwelling Units?	Not Serving Dwelling Units	Fan System Airflow (cfm)	330	Site Elevation	475	Economizer	NA: <=33 kBtu/h cooling
01	02	03	04			05	06	07	08	09			10	11	
Fan Name or Item Tag	Fan Type	Qty	Component		Airflow through Component (%)	Water Gauge (w.g.)	Allowance		Design				Motor Nameplate Horsepower	Fan Electrical Input Power (kW)	
							Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) ³	Design Electrical Input Power Method						
SF	Supply	1	Base Allowance LT6 Floors		100		0.23	Manufacturer provided					0.09		
			MERV 13-16 Filter upstream of thermal conditioning equipment		100		0.14								
			Hydronic/DX cooling coil or heat pump coil		100		0.14								
			Altered: Supply Fan System		100		0.14								
Supply Fan Base Allowance (watt/cfm)		0.65	Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)			0	Fan System Allowance (kW) ³			0.21	Fan System Electrical Input Power (kW)		0.09		

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000

Compliance ID: EPR-8598-0926-0035

Schema Version: rev 20250101

Report Generated: 2026-09-30 09:05:14

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-MCH-E

Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans

Report Page: (Page 2 of 19)

Date Prepared: 9/30/2026

C. COMPLIANCE RESULTS															
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.															
01	02		03		04		05		06		07		08		09
System Summary §110.1, §110.2, §140.4, §170.2(c), §141.0(b), §180.2(b)	AND	Pumps §140.4(k), §170.2(c)(4)	AND	Fans/Econo- mizers §140.4(c), §140.4(e), §140.4(p), §170.2(c)	AND	System Controls § 110.2, §120.2, §140.4(f), §140.4(r), §170.2(c)	AND	Ventilation §120.1, §160.2	AND	Terminal Box Controls §140.4(d), §170.2(c)(4)(b)	AND	Distribution §120.3, §140.4(i), §160.2, §141.0(b)(2D), §180.2(b)(2B) i	AND	Cooling Towers §110.2(e)(2)	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)		
Yes	AND		AND	Yes	AND	Yes	AND	Yes	AND		AND		AND		COMPLIES
Mandatory Measures Compliance (See Table Q for Details)														COMPLIES	

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

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

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)					
Space Conditioning System Information					
01	02	03	04	05	06
System Name	Quantity	System Serving	System Status	Space Type	Utilizing Recovered Heat
HP-1-101	1	Single zone	Alteration	All Other Occupancies	☐
HP-1-102	1	Single zone	Alteration	All Other Occupancies	☐
HP-1-103	1	Single zone	Alteration	All Other Occupancies	☐

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000

Compliance ID: EPR-8598-0926-0035

Schema Version: rev 20250101

Report Generated: 2026-09-30 09:05:14

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-MCH-E

Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans

Report Page: (Page 5 of 19)

Date Prepared: 9/30/2026

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)
Mechanical Heat Recovery§140.4(s)

01	02	03	04	05	06	07
Name or Item Tag	Coincident Peak Cooling Load of All High Load Spaces (kBtu/h)	Design Capacity of All Mechanical Cooling Systems ¹ (kBtu/h)	Design Capacity of All Service Water Heating Systems ¹ (kBtu/h)	Design Capacity for all space heating systems (kBtu/h)	Simultaneous Mechanical Heat Recovery	

¹ FOOTNOTES: Excluding systems expected to operate less than 5 hours per week.
² FOOTNOTES: If the design includes capacity for future cooling systems, then assume 20% of future systems serve high load spaces.

G. PUMPS
This section does not apply to this project.

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000

Compliance ID: EPR-8598-0926-0035

Schema Version: rev 20250101

Report Generated: 2026-09-30 09:05:14

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-MCH-E

Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans

Report Page: (Page 8 of 19)

Date Prepared: 9/30/2026

H. FAN SYSTEMS & AIR ECONOMIZERS															
System Name	HP-1-103	Quant y	1	Fan System Status	Alteration	System Zoning	all other systems	Serving Dwelling Units?	Not Serving Dwelling Units	Fan System Airflow (cfm)	330	Site Elevation	475	Economizer	NA: <=33 kbtu/h cooling
01	02	03	04			05	06		07	08	09			10	11
Fan Name or Item Tag	Fan Type	Qty	Component			Airflow through Component (%)	Water Gauge (w.g.)	Allowance		Design					Fan Electrical Input Power (kW)
								Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) ³	Design Electrical Input Power Method			Motor Nameplate Horsepower		
SF	Supply	1	BaseAllowanceLT6Floors			100		0.23	Manufacturer provided				0.09		
			MERV 13-16 Filter upstream of thermal conditioning equipment			100		0.14							
			Hydronic/DX cooling coil or heat pump coil			100		0.14							
			Altered:Supply Fan System			100		0.14							
Supply Fan Base Allowance (watt/cfm)		0.65	Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)			0	Fan System Allowance (kW) ³			0.21	Fan System Electrical Input Power (kW)		0.09		

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000

Compliance ID: EPR-8598-0926-0035

Schema Version: rev 20250101

Report Generated: 2026-09-30 09:05:14

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-MCH-E

Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans

Report Page: (Page 3 of 19)

Date Prepared: 9/30/2026

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)					
Space Conditioning System Information					
01	02	03	04	05	06
System Name	Quantity	System Serving	System Status	Space Type	Utilizing Recovered Heat
HP-1-104	1	Single zone	Alteration	All Other Occupancies	☐
HP-1-105	2	Single zone	Alteration	All Other Occupancies	☐

Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)											
01	02	03	04	05	06	07	08	09	10	11	
Name or Item Tag	Equipment Category per Tables 110.2, §140.4(a)2 and 170.2(c)(3a)1	Equipment Type per Tables 110.2 and Title 20	Smallest Size Available ¹ §140.4(a) and §170.2(c)1	Heating Output ^{1,3}		Cooling Output ^{2,3}		Load Calculations ^{3,4}		Total Sensible Cooling Load (kBtu/h)	Total
				Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)		
HP-1-101	PTAC/ PTHP	PTHP newly constructed or newly conditioned space	NA: Altered per §141.0(b)(2E and §180.2(b)2	4.37	7	0	6.27	5.6	7.46	4.55	
HP-1-102	PTAC/ PTHP	PTHP newly constructed or newly conditioned space	NA: Altered per §141.0(b)(2E and §180.2(b)2	4.37	7	0	6.26	5.6	6.7	3.85	
HP-1-103	PTAC/ PTHP	PTHP newly constructed or newly conditioned space	NA: Altered per §141.0(b)(2E and §180.2(b)2	4.37	7	0	6.26	5.6	6.7	3.85	
HP-1-104	PTAC/ PTHP	PTHP newly constructed or newly conditioned space	NA: Altered per §141.0(b)(2E and §180.2(b)2	4.37	7	0	6.26	5.6	6.7	3.85	
HP-1-105	PTAC/ PTHP	PTHP newly constructed or newly conditioned space	NA: Altered per §141.0(b)(2E and §180.2(b)2	8.74	7	0	11.74	5.6	10.64	6.67	

Generated Date/Time:

Documentation Software: EnergyPro

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Report Version: 2025.0.000

Compliance ID: EPR-8598-0926-0035

Schema Version: rev 20250101

Report Generated: 2026-09-30 09:05:14

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-MCH-E

Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans

Report Page: (Page 6 of 19)

Date Prepared: 9/30/2026

H. FAN SYSTEMS & AIR ECONOMIZERS
This table is used to demonstrate compliance with prescriptive requirements found in §140.4(c), §140.4(e), §140.4(m), §170.2(c)(3), and §170.2(c)(4A) for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name	HP-1-101	Quantity	1	Fan System Status	Alteration	System Zoning	all other systems	Serving Dwelling Units?	Not Serving Dwelling Units?	Fan System Airflow (cfm)	330	Site Elevation	475	Economizer	NA: <=33 kbtu/h cooling			
01	02	03	04		05	06	07	08	09						10	11		
Fan Name or Item Tag	Fan Type	Qty	Component		Airflow through Component (%)	Water Gauge (w.g.)	Allowance		Design						Motor Nameplate Horsepower	Fan Electrical Input Power (kW)		
							Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) ³	Method									
SF	Supply	1	Base Allowance LT6 Floors		100		0.23	Manufacturer provided								0.09		
			MERV 13-16 Filter upstream of thermal conditioning equipment		100		0.14											
			Hydronic/DX cooling coil or heat pump coil		100		0.14											
			Altered Supply Fan System		100		0.14											
Supply Fan Base Allowance (watt/cfm)		0.65	Exhaust/Return/Relief/Transfer Fan Base Allowance (watt/cfm)			0		Fan System Allowance (kW)		0.21		Fan System Electrical Input Power (kW)			0.09			

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Mechanical Systems		NRCC-MCH-E	
CERTIFICATE OF COMPLIANCE		Report Page:	
Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans		(Page 10 of 19)	
		Date Prepared: 9/30/2026	

H. FAN SYSTEMS & AIR ECONOMIZERS															
System Name	HP-1-105	Quantit y	2	Fan System Status	Alteration	System Zoning	all other systems	Serving Dwelling Units?	Not Serving Dwelling Units?	Fan System Airflow (cfm)	660	Site Elevation	475	Economizer	NA: <=33 Kbtu/h cooling
01	02	03	04			05		06		07	08	09		10	11
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g.)	Allowance		Design			Fan Electrical Input Power (kW)				
						Component Allowance (watt/cfm)	Fan Allowance (watt/cfm) ¹	Design Electrical Input Power Method		Motor Nameplate Horsepower					
SF	Supply	2	BaseAllowanceLT6Floors	100		0.23	Manufacturer provided				0.09				
			MERV 13-16 Filter upstream of thermal conditioning equipment	100	0.14										
			Hydronic/DX cooling coil or heat pump coil	100	0.14										
			Altered-Supply Fan System	100	0.14										
Supply Fan Base Allowance (watt/cfm)		0.65	Exhaust/Return/Relief/Transfer Fan Base Allowance(watt/cfm)		0		Fan System Allowance (kW) ³		0.43	Fan System Electrical Input Power (kW)		0.17			

¹ FOOTNOTES: Fans serving spaces with design background noise goals below NC35

² Low-turndown single-zone VAV fan system must be capable of and configured to reduce airflow to 50 percent of design airflow and use no more than 30 percent of the design wattage at that airflow. No more than 10 percent of the design load served by the equipment shall have fixed loads.

³ Fan system allowance includes fan system base allowance.

⁴ Filter pressure loss can only be counted once per fan system.

⁵ Complex Fan System means a fan system that combines a single cabinet fan system with other supply fans, exhaust fans, or both.

⁶ Computer room economizers must meet requirements of §140.9(a) and will be documented on the NRCC-PRC-E document.

Generated Date/Time:		Documentation Software: EnergyPro	
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Report Version: 2025.0.000 Schema Version: rev 20250101	
		Compliance ID: EPR-8598-0926-0035 Report Generated: 2026-09-30 09:05:14	

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Mechanical Systems		NRCC-MCH-E	
CERTIFICATE OF COMPLIANCE		Report Page:	
Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans		(Page 13 of 19)	
		Date Prepared: 9/30/2026	

I. SYSTEM CONTROLS											
HP-1-104	Single zone	<= 25,000 ft²	Setback	Auto Timer Switch	4 Hour Timer	DR Tstat per §110.12	Supply air reset configured per Guidelin e 36	NA: Alteration Project	NA: Multifamily		NA Heat Pump not serving dwelling units
HP-1-105	Single zone	<= 25,000 ft²	Setback	Auto Timer Switch	4 Hour Timer	DR Tstat per §110.12	Supply air reset configured per Guidelin e 36	NA: Alteration Project	NA: Multifamily		NA Heat Pump not serving dwelling units

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.

J. VENTILATION AND INDOOR AIR QUALITY												
This table is used to demonstrate compliance with mandatory ventilation requirements in §120.1 § 120.2(e)38 § 140.4(p) and § 140.4(a) for all nonresidential and hotel/motel and d:124refnolink/160.2, §160.3(a)3D, §170.2(a)4N, 170.2(a)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflow may be shown on the plans or the calculations can be presented in a spreadsheet.												
01	☐	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.										
02	☒	Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces										
03	☐	Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per §120.1(c)2.										
Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems												
04		05		06		07						
System Name	HP-1-101	System Design OA CFM Airflow ¹		45	System Design Transfer Air CFM		0	Air Filtration per §120.1(c) §141.0(b)2 and §160.2(c)21 ²				
08	09	10	11	12	13	14	15	Provided				
								16				

Generated Date/Time:		Documentation Software: EnergyPro	
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Report Version: 2025.0.000 Schema Version: rev 20250101	
		Compliance ID: EPR-8598-0926-0035 Report Generated: 2026-09-30 09:05:14	

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Mechanical Systems		NRCC-MCH-E	
CERTIFICATE OF COMPLIANCE		Report Page:	
Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans		(Page 16 of 19)	
		Date Prepared: 9/30/2026	

J. VENTILATION AND INDOOR AIR QUALITY											
Studio Apt. 104	Bedroom/living room (hotel/motel/dorm)	165			24.8	0	45		DCV	NA: Not required per §120.1(d)3	
									Occ Sensor	NA: Not required space type	
17	Total System Required Min OA CFM		25	18	Ventilation for this System Complies?		Yes				
04		05		06		07					
System Name	HP-1-105	System Design OA CFM Airflow ¹	51	System Design Transfer Air CFM	0	Air Filtration per §120.1(c) §141.0(b)2 and §160.2(c)21 ²		Provided			
08	09	10	11	12	13	14	15				
								16			
Space Name or Item Tag	Occupancy Type ⁴	Conditione d Floor Area (ft²)	# of Shower heads/ toilets	# of people ⁵	Require d Min OA CFM	Require d Min CFM	Provided per Design CFM				
1 Bedroom Apt. 105	Bedroom/living room (hotel/motel/dorm)	337			50.6	0	45		DCV	NA: Not required per §120.1(d)3	
									Occ Sensor	NA: Not required space type	
17	Total System Required Min OA CFM		51	18	Ventilation for this System Complies?		Yes				

¹ FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system

² Air filtration requirements apply to the following three system types per §120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.

³ Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.

⁴ See Standards Tables 120.1-A and 120.1-B.

⁵ For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.

⁶ Upon detection of sensor failure, the system shall provide a signal which resets to supply the minimum quantity of outside air to levels required by Section 120.1(c).

Generated Date/Time:		Documentation Software: EnergyPro	
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Report Version: 2025.0.000 Schema Version: rev 20250101	
		Compliance ID: EPR-8598-0926-0035 Report Generated: 2026-09-30 09:05:14	

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Mechanical Systems		NRCC-MCH-E	
CERTIFICATE OF COMPLIANCE		Report Page:	
Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans		(Page 11 of 19)	
		Date Prepared: 9/30/2026	

H. FAN SYSTEMS & AIR ECONOMIZERS											
¹ Indoor fans meeting the requirements of 140.4(a)3D shall turn off when there is no demand for heating or cooling in the space. At 66% air flow the power draw shall be no more than 51% of the fan power at full fan speed and at 33% airflow the power draw shall be no more than 12% of the fan power at full fan speed.											
H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)4O											
01	02	03	04	05	06	07	08	09	10	11	
Fan System Name	Qty	Hours of Operation per Year	Design Supply Airflow Rate	Outdoor Airflow	% Outdoor Air at Full Design Airflow	Exemptions to Exhaust Air Heat Recovery Requirement per §140.4(q) & §170.2(c)4O	Exhaust Air Heat Recovery §140.4(q) & §170.2(c)4O	Type Of Heat Recovery Rating	Required Recovery Ratio	Energy Recovery Bypass	
Fan Energy Index (FEI)											
01		02					03				
Name or Item Tag		FEI Exception					FEI				
HP-1-101		None Applies					1				
HP-1-102		None Applies					1				
HP-1-103		None Applies					1				
HP-1-104		None Applies					1				
HP-1-105		None Applies					1				

Generated Date/Time:		Documentation Software: EnergyPro	
CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance		Report Version: 2025.0.000 Schema Version: rev 20250101	
		Compliance ID: EPR-8598-0926-0035 Report Generated: 2026-09-30 09:05:14	

STATE OF CALIFORNIA		CALIFORNIA ENERGY COMMISSION	
Mechanical Systems		NRCC-MCH-E	
CERTIFICATE OF COMPLIANCE		Report Page:	
Project Name: Adaptive Reuse and Apartment Conversion For Unhoused Veterans		(Page 14 of 19)	
		Date Prepared: 9/30/2026	

J. VENTILATION AND INDOOR AIR QUALITY											
Mechanical Ventilation Required per §120.1(c)3 ⁸ & §160.2(c)3							Exh. Vent per §120.1(c)4 & §160.2(c)4				
Space Name or Item Tag	Occupancy Type ⁴	Conditione d Floor Area (ft²)	# of Shower heads/ toilets	# of people ⁵	Require d Min OA CFM	Require d Min CFM	Provided per Design CFM	DCV or Sensor Controls per §120.1(d)3, §120.1(d)5, and §120.1(e)3 ⁸ §160.2(c)5D §160.2(c)5E §160.2(c)5D			
Studio Apt. 101	Bedroom/living room (hotel/motel/dorm)	165			24.8	0	45	DCV	NA: Not required per §120.1(d)3		
								Occ Sensor	NA: Not required space type		
17	Total System Required Min OA CFM				25	18	Ventilation for this System Complies?		Yes		
04		05		06		07					
System Name	HP-1-102	System Design OA CFM Airflow ¹		45	System Design Transfer Air CFM		0	Air Filtration per §120.1(c) §141.0(b)2 and §160.2(c)21 ²			
08	09	10	11	12	13	14	15	Provided			
								16			
Space Name or Item Tag	Occupancy Type ⁴	Conditione d Floor Area (ft²)	# of Shower heads/ toilets	# of people ⁵	Require d Min OA CFM	Require d Min CFM	Provided per Design CFM	DCV or Sensor Controls per §120.1(d)3, §120.1(d)5, and §120.1(e)3 ⁸ §160.2(c)5D §160.2(c)5E §160.2(c)5D			
Studio Apt. 102	Bedroom/living room (hotel/motel/dorm)	165			24.8	0	45	DCV	NA: Not required per §120.1(d)3		
								Occ Sensor	NA: Not required space type		
17	Total System Required Min OA CFM				25	18	Ventilation for this System Complies?		Yes		

STATE OF CALIFORNIA

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-MCH-E

Project Name:

Adaptive Reuse and Apartment Conversion For Unhoused Veterans

Report Page:

(Page 19 of 19)

Project Address:

Building 100 901 Union Ave.

Date Prepared:

9/30/2026

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:

Michael Mundschau

Documentation Author Signature:

Michael Mundschau

Company:

Baskin Mechanical Engineers

Signature Date:

2026-09-30

Address:

2131 19th Street, Suite B

CEA/AEA/ECC Certification Identification (if applicable):

M37211

City/State/Zip:

Bakersfield California 93301

Phone:

(661)397-2114

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 Person Name:

Mark Baskin

Responsible Person Signature:

Responsible Person Scope:

Company:

Baskin Mechanical Engineers

Date Signed:

2026-09-30

Address:

2131 19th St., Suite B

License:

M26578

City/State/Zip:

Bakersfield California 93301

Phone:

(661)397-2114

CA Building Energy Efficiency Standards - 2025 Nonresidential Compliance

Generated Date/Time: Report Version: 2025.0.000 Schema Version: rev 20250101

Documentation Software: EnergyPro Compliance ID: EPR-8598-0926-0035 Report Generated: 2026-09-30 09:05:14

SF_A

Skarphol / Frank Associates

ARCHITECTURE • PLANNING • INTERIORS

Paul Skarphol, Architect • Gregory Frank, Architect

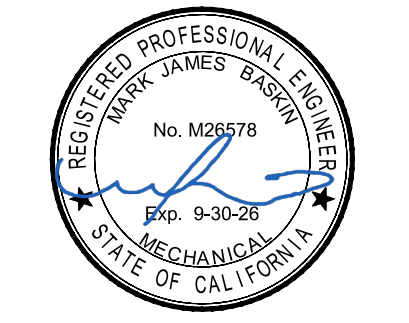
925 17th Street
Bakersfield, CA 93301
(861) 334-0741
skarpholfrank.com

These drawings, related specifications, ideas, designs and arrangements represented hereby are and shall remain the property of the Architect and no part thereof shall be copied, disclosed to others used in connection with any work or project other than the specific project which they have been prepared and developed without the written consent of the Architect. Visual contact with these drawings or specifications shall constitute conclusive acceptance of these restrictions.

bme

BASKIN MECHANICAL ENGINEERS

175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 25025
Plt: 12-01-25



ADAPTIVE REUSE AND APARTMENT CONVERSION FOR UNHOUSED VETERANS IN COLLABORATION WITH:





901 UNION AVE
BUILDING 100
BAKERSFIELD, CALIFORNIA

DATE	ISSUED FOR

REVISION	DESCRIPTION

JOB	M212
DP	
PM	

BUILDING 100