The plans & specifications meet the requirements of part 6 (Sections 10–103a).

The installation certificates meet the requirements of Part 6 (10–103a 3).

The operation & maintenance information meets the requirements of Part 6 (10–103c).

Please check one: (These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)

I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer or mechanical engineer, or I am a licensed accument as the person responsible for its preparation; and that I am a licenses and Professions Code by Section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.

I affirm that I am eligible under the exemption to Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described pursuant to Business and Professions Code sections 5537, 5538 and 6737.1.

PRINCIPAL MECHANICAL DESIGNER-NAME | SIGNATURE | DATE | LIC. # 5-21-08 PROOF OF ENVELOPE COMPLIANCE

STATEMENT OF COMPLIANCE

This Certificate of Compliance lists the building features and performance specifications needed to comply with Title 24. Parts 1 and 6 of the California Code of Regulations. This certificate applies only to building mechanical requirements.

The documentation preparer hereby certifies that the documentation is accurate and complete.

DOCUMENTATION AUTHOR

Khoeun Khan

The Principal Mechanical Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the mechanical requirements contained in the applicable parts of Sections 100, 101, 102, 110 through 125, 142, 144 and 145. PROJECT NAME

COLLEGE OF SAN MATEO, BLDG 5N

Designer:

This form is to be used by the designer and attached to the plans. Listed below are all the acceptance tests for mechanical systems. The designer is required to check the boxes by all acceptance tests that apply and list all equipment that requires an acceptance test. If all equipment of a certain type requires a test, list the equipment description and the number of systems to be tested in parentheses. The NJ number designates the Section in the Appendix of the Nonresidential ACM Manual that describes the test. Also indicate the person responsible for permorning the tests (i.e. the installing contractor, design professional or an agent selected by the owner). Since this form will be part of the plans, completion of the section will allow the responsible party to budget for the scope of work appropriately >□ MECH-3-A: Packaged HVAC System Acceptance Document >st required on all New packaged systems both New Construction **Puilding Departments:**ystems Acceptance Before occupancy permit is granted for a newly constructed building or space, or a new space anditioning system serving a building or space is operated for normal use, all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance.

addition a Certificate of Acceptance, Mech-1-A, Form shall be submitted to the building department that certifies ans, specifications, installation certificates, and operating and maintenance information meet the requirements of 0-103(b) and Title 24, Part 6. ■ MECH-4-A: Air Side Economizer Acceptance Document st required on all new air-side economizers for both New Construction snomizers that are installed at the factory and certified with the Communication inspection. NEW □ AD (Part 1 of 3) and Retrofit. ON ALTERA and Retrofit. Units with nision do not require ROOM

ALTERATION UNCONDITIONED

(file affidavit)

ENVELOPE COMPLIANCE ATTACHED CLIMATE ZONE 3 MECH-1-C MECH-1-C

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CERTIFICATE OF COMPLIANCE

PROJECT NAME

COLLEGE OF SAN MATEO, BLDG 5N

Test Description

Inis test required if the unit serves 5000 ft of space or less and 20 are in nonconditioned or semiconditioned space like an attic. New above requirements. Retrofit systems that meet the above requirements.

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MECH-1-C

and 25% or more of the ducts

New systems that meet the requirements and either extend

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476-6 <i>00</i> CFM		14" ROUND				-		501-850 CF
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481-600 CFM		12"×12"		¥ 4 ± ±		<u>\$</u>		241-375 CF
601-700 CFM	CHY	14"×14"		<u>@</u> <u>@</u>		12''\$		376-600 CF
1Ø1-125Ø CFM		18 × 18 ·		20" X20"		14 *		601-850 CF
SEE FLOOR		20''×20''		22" x22"		<u>e</u>		850-1250 CF
	CHY	24"×24"		26" ×26"		<u>\$</u>		1251-1800 CF
	(CHZ)	28"×28"	-	×30".	-	2Ø"•		18Ø1-24ØØ CF

X SECTION 115: NATURAL NOT BE EQUIPPED WITH INCLUDING FURNACES & THERETO.

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	SEE FLOOR PLAN	7Ø1-125Ø CFM	601-700 CFM	481-6 <i>00 C</i> FM	281-480 CFM	151-280 CFM	HARD CEILING Ø-150 CFM FIXED 4-WAY BLOW	851-1000 CFM	601-850 CFM	476-600 CFM	316-415 CFM	251-375 CFM	1Ø1-25Ø CFM	Ø-100 CFM	REMARKS	HEDULE	#	#	#	45	#	#	#	#	#	# #	48	#	#	VARIABLE FREQUENCY DRIVE	STORAGE TANK	SECONDARY CHILLED	SECONDARY CHILLED	MOTOR CONTROL CENTER	LIQUID N2	DIFFERENTIAL PRESSURE	DIRECT DIGITAL CONTROL	CONDENSER WATER RETURN	CONDENSER WATER SUPPLY	CHILLED WATER RETURN	CHILLED WATER SUPPLY	DESCRIPTION	BBREVIATIONS
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						350FL		70 X \	0	0		0		TITUS	MANUFACTURER	N/EXHAU		EQUIP DESIGNATION AH*-FLR LEVEL-UNIT*	EXIST. EXHAUST ,	GRILLE TO REMA	EXIST. SUPPLY A	EXIST. ROOM TISTAT	EXIST. HYAC EQUIP	FLEXIBLE DUCT	DUCT WITH LINING	POINT OF CONNECTION	NTALLED BY ELEC	FLECTRICAL CON	FURNISHED & INST BY W.A.M.	эштсн	THERMOSTAT	BACKDRAFT DAME	MANUAL VOLUME		MOTORIZED DAMPER	EXHAUST AIR DUCT	RETURN AIR DUCT	SUPPLY AIR DUCT	EXHAUST AIR GRILLE OR REGISTER	RETURN AIR GRIL	SUPPLY AIR GRILLE	DESCRIPTION	EGEND
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1251-18 <i>00 C</i> FM	850-1250 CFM	601-850 CFM	376-600 CFM	241-375 CFM	Ø -24Ø CFM	CEILING 0-100 CFM	1701-2200 CFM	1051-1700 CFM	851-1050 CFM	501-850 CFM	376-500 CFM	241-375 CFM	Ø -24Ø CFM	TEE -BAR CLG.	REMARKS	SCHEDULE					EXISTING H.V.A.C. EQUIP.	REBALANCE EXISTING	EXISTING H.Y.A.C. EQUIP.	NEW H.Y.A.C. EQUIPMENT		DOOR UNDER CUT	TRANGFER AIR GRILLE	PPLY AIR REGISTER	SUPPLY AIR GRILLE	RETURN AIR REGISTER	RETURN AIR GRILLE	PLUMBING CONTRACTOR		MAKE-UP AIR GRILLE	GENERAL CONTRACTOR	ELECTRICAL CONTRACTOR	EXHAUST AIR REGISTER	EXHAUST AIR GRILLE	DOWN THRU ROOF	DOOR LOUVER	ACCESS PANEL	DESCRIPTION	ABBREVIATIONS

URE INCH CER TO THE MEAN PER SQUARE PER HOUR RATING RUNOUTS I AND 125 - 2 250 PER SQUARE PER SQUARE TEMPERATURE UP TO 2 LESS I 25 25 POOT PER TEMPERATURE UP TO 2 LESS I 25 25 POOT PER TEMPERATURE INSULATION THICKNESS REQUIRES IN SQUARE AND HOT WATER) POOT PER TEMPERATURE INSULATION THICKNESS REQUIRES IN SQUARE I S I S I S I S I S I S I S I S I S I	032 - 034 250 15 25 31	1.5 2.0	201-250 02T - 030 150 10 15 15 20		ট	025 - 029 125 0.5 1.5 1.5 024 - 028 100 0.5 1.0 1.0	PEET OF PIPING FROM THE STORAGE TANK FOR NON-RECIRCULATING SYSTEM	ABOYE 105 141-200 025 - 029 125 05 15 15 15 15 15 15 15 15 1	141-200 025 - 029 125 05 15 15 15 15 15 165 105-140 024 - 028 100 00 05 10 10 10 10 10 10 10 10 10 10 10 10 10	141-200
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- 6 LARGER NCHES)			35				91EM8,	3.5 2.0 3.5 1.5 1.5 1.5 1.5 3.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3.5 2.0 3.5 1.5 1.5 1.5 1.5 3.7 STEMS, AND	35 35 20 35 15 15 15 15 16 16

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	CONDUCTIVITY	INGULATION	7	OMINAL	PIPE DIA	NOMINAL PIPE DIAMETER (IN INCHES)		
和	NCH PER HOUR PER SQUARE FOOT PER "F	MEAN RATING TEMPERATURE	RUNOUTS UP TO 2	1 AND LESS	2 - 971	250 - 4	e 2	8 AND LARGER
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	029 - 031	200	ট	2.00	2.5	25	ત્ય	ત્ય
	<i>02</i> 7 - <i>030</i>	<u>ज</u>	ğ	ট	ট	2,0	2,0	ω
	025 - 029	125	Ø 70	ট	ট	ট	টা	ড
# 70 - T	THE THE PLENCY FROM THE STORAGE TANK FOR NON-BECIEVE ATING SYSTEMS) THE HEATING SYSTEMS (RECIRCULATING SECTIONS, ALL PIPING IN ELECTRIC TAPE THE PLENCY FROM THE STORAGE TANK FOR NON-BECIEVE ATING SYSTEMS)	THE STORAGE AND SE	100 NON 100 NO			CTRIC TAF		SYSTEMS, AND
	024 - 028	100	20	Ø	Ø	ট	ট	ট
HS (EMB (CHILLED WATER, REFRIGERANT, AND BRINE)	SERANT, AND BRINE)						
	<i>02</i> 3 - <i>02</i> 7	ਰੀ	ű 0	ű ű	£0	<u>ø</u>	<u>\$</u>	ğ
	<i>023 - 02</i> 7	ਰੀ	ğ	•		į	ē	_

✔ 🛛 MECH—7—A: Supply Fan Variable Flow Control Acceptance Document All new VAV fan volume controls installed on new or existing systems must be

AHU-1 ≰ AHU-2

Control Ventilation Acceptance Document on new or existing packaged systems must be nee testing. N/A

ALL APPLIANCES DESIGNED TO BE INSTALLED PERMANENT POSITION SHALL BE SECURELY FAPLACE.	'n	
ROOF MOUNTED EQUIPMENT SHALL BE LABELE	4,	
CONDENSATE DRAIN LINES SHALL BE SLOPEI FOOT TO AN APPROYED RECEPTOR, ALL BY CONTRACTOR.	ĺπ	
ALL ROOF, FLOOR AND WALL OPENINGS BY GI	, 2	
ALL CUTTING, PATCHING AND PAINTING BY GEN		
GENERAL NOIES		

ALL ROOF, FLOOR AND WALL OPENINGS BY GENER	ALL CUTTING, PATCHING AND PAINTING BY GENERA CONTRACTOR.	L
N AND WALL	TCHING AND	GENERAL NOTES
OPENINGS BY	PAINTING BY	NOTES
Z CHINHIN	GENERA	

- ALL NEW THERMOSTATS

ALL EQUIPMENT SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING LABORATORY AND PROPERLY LABELED.

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ALL CUTTING, PATCHING AND PAINTING BY GENER	GENERAL NOTES	
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INSULATION THICKNESS OF OTHER INSULA	LISING FIBERRGLASS OR FOAM NOUL ATION	PIPE NOULATION GHALL BE NOTALLED F	$oxed{X}$ SECTION 123: PIPE INSULATION:

FACTORY INSTALLED PIPING WITHIN CERTIFIED EQUIPATIONS CONVEYING FLUIDS WITH AN OPERATING RANGITEMPERATURE RANGE OF BETWEEN 60° F TO 105° F. PIPING SERVING PROCESS LOADS.
PIPING WHERE THE HEAT GAIN OR LOSS WILL NOT INCIPULING SOURCE ENERGY USE.

X SECTION 124:

Revision Description

Date

Revision Description

CRIBED N
1 DURING
1 NSTALLED
2N 122 (F).

EACH ZONE AS SET FORTH IN SECTION 122(A) SHALL HAVE AN INDIVIDUAL HEATING AND COOLING THERMOSTAT.

THERMOSTATS SECTION 122(B):

WHEN USED FOR HEATING SHALL BE CAPABLE OF ADJUSTMENT DOWN TO 55° F OR LOWER.

WHEN USED FOR COOLING SHALL BE CAPABLE OF ADJUSTMENT UP TO 85° F OR HIGHER.

WHEN USED FOR BOTH HEATING AND COOLING SHALL BE CAPABLE OF A DEAD BAND TEMPERATURE RANGE OF 5° F BETWEEN HEATING AND COOLING.

SET BACK OR SET UP CONTROLS SHALL BE AS DESCRIBED IN SECTION 122(E).

Building 5N DSA Submittal San Mateo, CA

College of San Mateo

VENTILATION RATES OF OUTDOOR AIR SHALL MEREQUIREMENTS OF SECTION 121.

DESIGN REQUIREMENTS OF SECTION 121(B) SHALL CORPORATED.

OPERATING AND CONTROL REQUIREMENTS OF SESHALL BE ADHERED TO.

OUTDOOR AIR SHALL BE PROVIDED AS SPECIFIED.

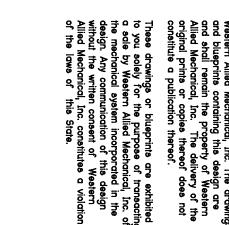
MEET THE ALL BE IN-

AIR BALANCE AND CERTIFY DESIGN OUTD AS SPECIFIED IN SECTION 12KE).

STEMS: HAVE AN

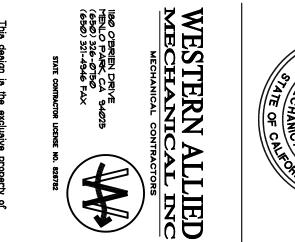
College of San Mateo Developed for

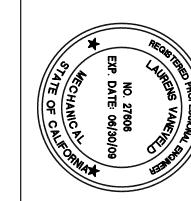
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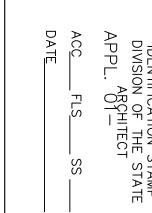


TITLE-24 ENERGY EFFICIENCY STANDARDS FOR NON-RESIDENTIAL BUILDINGS

MANDATORY REQUIREMENTS







POINT OF CONNECTION
POINT OF DEMOLITION

CHECK VALVE

PRESSURE GAUGE

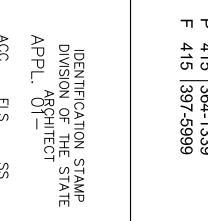
THERMOMETER IN WELL

SCHWS SCHWS S.T.

TRIPLE DUTY VALVE

SOLENOID VALVE

FLEX COUPLING
BUTTERFLY VALVE



McCarthy Building Companies, Inc. 343 Sansome Street, 14th Floor San Francisco, California 94104 P 415 |364-1339 F 415 |397-5999

SHEET

INDEX

PIPING

LEGEND