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

MARCO A. ALVES

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 115, 120 through 125, 142, 144 and 145.

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).

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 architect.

I affirm that I am eligible under the exemption to Division 3 of the Business 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

DATE LIC. # 03/15/07 PRINCIPAL MECHANICAL DESIGNER - NAME MARCO A. ALVES

43 INOC HONS	TO APPLICANT MECHANICAL COMPLIANCE & WORKSHEETS(check box if worksheet is included)
MECH-1-C	Certificate of Compliance. Part 1 of 3, 2 of 3, 3 of 3 are required on plans for all submittals.
MECH-2-C	Certificate of Compliance. Part 1 of 3, 2 of 3, 3 of 3 are required for all submittale, but may be on plane.
 MECH−3−C	Certificate of Compilance are required for all submittals with mechanical ventilation, but may be on plans.
MECH-4-C	Certificate of Compliance are required for all prescriptive submittals, but may be on plans.

2005 Nonresidential Compliance Forms

<u> MECHANICAL</u>	MANDATORY MEASURES (Part 1 of 2)		MECH-N
ROJECT NAME	SKYLINE BLDG 2 - SWING SPACES	date 03/15/07	
DESCRIPTION	ON .	Designer	Enforceme
EQUIPMENT AND	O SYSTEM EFFICIENCIES		
§111	Any appliance for which there is a California standard established in the Appliance Efficiency Regulations will comply with the applicable standard.	•	
§115(a)	Fan type central furnaces shall not have a pilot light.		
∏ §123	Piping, except that conveying fluids at temperatures between 60°F and 105°F, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.		
√ §124	Air handling duct systems shall be installed and insulated in compliance with Sections 601, 603 and 604 of the Uniform Mechanical Code.		
CONTROLS		·	
☐ §122(e)	Each space conditioning system shall be installed with one of the following:		
§122(e)1A	Each space conditioning system serving building types such as offices manufacturing facilities (and all others not explicitly exempt from the requirements of section 112(d)) shall be installed with an automatic time switch with an accessible manual override that allows operation of the system during off—hours for up to 4 hours. The time switch shall be		
	capable of programming different schedules for weekdays and weekends and have program backup capabilities that prevent the loss of the device's program and time setting for at least 10 hours if power is interrupted; or		
☐ §122(e)1B	An occupancy sensor to control the operating period of the system; or		<u> </u>
§122(e)1C	A 4—hour timer that can be manually operated to control the operating period of the system.		
☐ §122(e)2	Each space conditioning system shall be installed with controls that temporarily restart and temporarily operated the system as required to maintain a setback heating and/or a setup cooling thermostat setpoint.		
☐ §122(g)	Each space conditioning system serving multiple zones with a combined conditioned floor area more than 25,000 square feet shall be provided with isolation zones. Each zone: shall exceed 25,000 square feet; shall be provided with isolation devices, such as valves or dampers that allow the supply of heating or cooling to be setback or shut off independently of other isolation areas; and shall be controlled by a time control device as described above.		
∏ §122(a&b)	Each space conditioning system shall be controlled by an individual thermostat that responds to temperature within the zone. Where used to control heating, the control shall be adjustable down to 55°F or lower. For cooling, the control shall be adjustable down to 85°F or higher. Where used for both heating and cooling, the control shall be capable of providing a deadband of at least 5°F within which the supply of heating and cooling is shut off or reduced to a minimum.		
∭ §122(c)	Thermostats shall have numeric setpoints in degrees Fahrenheit (°F) and adjustable setpoint stops accessible only to authorized personnel.		
∏ §122(b)	Heat pumps shall be installed with controls to prevent electric resistance supplementary heater operation when the heating load can be met by the heat pump alone.		

REHEAT LIMITATION (§144(d)) OCCUPANCY BASIS VAV Minimum C D E F G H Min CFM by REQ'D V.A. Max of Design minimum Codition Area (ft²) CFM per Person Design Ventilation Air CFM by Num of Area People Design Zone Supply cfm Columns H.J.K. or 300 Bx0.4 Area B x C cfm/ft^a
HV-5C
1,300
0.15
195
22
15
330
330
3200
N/A
N/A Total 44 660 6400 Column I Total Design Ventilation Air N/A C Minimum ventilation rate per Section §121, Table 121-A. Based on fixed seat or the greater of the expected number of occupants and 50% of the CBC occupant load for egress purposes for spaces without fixed seating. H Required Ventilation Air(REQ'D V.A.) is the larger of the ventilation rates calculated on an AREA BASIS or OCCUPANCY BASIS(Column D or G).

SKYLINE BLDG 2 - SWING SPACES

MECHANICAL VENTILATION (§121(b)2)

1 Must be greater than or equal to H, or use Transfer Air(column N) to make up the difference. J Design fan supply cfm (Fan CFM) x 30%; or

MECHANICAL VENTILATION AND REHEAT

PROJECT NAME:

K Condition area (ft)x0.4 cfm/ft; or* L Maximum of Columns H, J, K, or 300cfm

M This must be less than or equal to Column L and greater than or equal to the sum of Columns H plus N.

N Transfer Air must be provided where the Required Ventilation Air (Column H) is greater than the Design Minimum Air (Column M). Where required, transfer air must be greater than or equal to the difference between the Required Ventilation Air (Column H) and the Design Minimum Air (Column M), Column H minus M.

2005 Nonresidential Compliance Forms

April 2005

MECH-3-C

03/15/07

TITLE 24 NOTE:

ALL EQUIPMENT IN THIS PROJECT IS EXISTING TO REMAIN, NO NEW EQUIPMENT IS BEING INSTALLED. THE SCOPE OF NEW MECHANICAL WORK INCLUDES DEMOLITION AND INSTALLATION OF NEW DUCTWORK, AND PLUMBING (WASTE) PIPE.

MECHANICAL	MANDATORY MEASURES (Part 2 of 2)		MECH-MM
PROJECT NAME	SKYLINE BLDG 2 - SWING SPACES	DATE 03/	15/07
DESCRIPTIO	N .	Designer	Enforcement
VENTILATION			
☐ §121(e)	Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rate as specified on these plans.		
☐ §122(f)	Gravity or automatic dampers interlocked and closed on fan shutdown shall be provided on outside air intakes and discharges of all space conditioning and exhaust systems.		
☐ §122(f)	All gravity ventilating systems shall be provided with automatic or readily accessible manually operated dampers in all openings to the outside, except for combustion air openings.		
√ §121(f)1	Air Balancing: The system shall be balanced in accordance with the National Environmental Balancing Bureau (NEBB) Procedural Standards (1983), or Associated Air Balance Council (AABC) National Standards (1989); or		
□ §121(f)2	Outside Air Certification: The system shall provide the minimum outside air as shown on the mechanical drawings, and shall be measured and certified by the installing licensed C—20 mechanical contractor and certified by (1) the design mechanical engineer, (2) the installing licensed C—20 mechanical contractor, or (3) the person with overall responsibility for the design of the ventilation system, or		
☐ §121(f)3	Outside Air Measurement: The system shall be equipped with a calibrated local or remote device capable of measuring the quantity of outside air on a continuous basis and displaying that quantity on a readily accessible display device; or		
☐ §121(f)4	Another method approved by the commission.		
SERVICE WATER	HEATING SYSTEMS		
☐ §113(b)2	If an circulating hot water system is installed, it shall have a control capable of automatically turning off the circulating pump(s) when hot water is not required.		
☐ §113(b)3B	Lavatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110°F.		
☐ §113(b)3C	Lavatories in restrooms of public facilities shall be equipped with one of the following:		
	Outlet devices that limit the flow of hot water to a maximum of 0.5 gallons per minute.	:	
•	Foot actuated control valves, and outlet devices that limit the flow of hot water to a maximum of 0.75 gallons per minute.		
	Self—closing valves, and outlet devices that limits the flow of hot water to a maximum of 2.5 gallons per minute, and 0.25 gallons/cycle (circulating system).		
	Self-closing valves, and outlet devices that limits the flow of hot water to a maximum of 2.5 gallons per minute, and 0.50 gallons/cycle (non-circulating system).		
	Self—closing valves, and outlet devices that limits the flow of hot water to a maximum of 2.5 gallons per minute, and 0.75 gallons/cycle (foot switches and proximity sensor controls).		

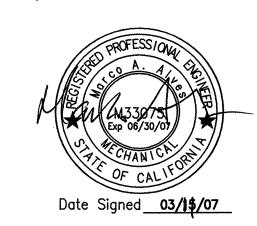
Sł	YLINE	COLL	EGE
TCO	M CLASSROOM R	ENOVATION E	BUILDING 2

SAN MATEO COUNTY 3401 CSM DRUVE

> STEINBERG ARCHITECTS 60 Pierce Avenue

San Jose CA 95110

architect



BORDER AND FINISH/COLOR SHALL BE APPROVED BY ARCHITECT PROVIDE ALL HARDWARE AND ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION.

FINISH

PER ARCH. PLANS

PER ARCH. PLANS

PER ARCH. PLANS

DIFFUSER, GRILLE AND REGISTER SCHEDULE

SUPPLY

SERVICE MATERIAL MAX. REMARKS

SUPPLY STEEL 25 (1) (2) (3)

RETURN STEEL 25 (1) (5)

25

(1) (4)

- WHERE DUCT CONNECTING TO THE DIFFUSER IS SMALLER THAN THE SPECIFIED DIFFUSER NECK SIZE, PROVIDE AND INSTALL CONICAL INCREASER.
- 3 PROVIDE DIFFUSER WITH MODEL AG-65 COMBINATION DAMPER AND EQUALIZER GRILLE.
- 4 PROVIDE IN DUCT EXTRACTORS FOR AIRFLOW BALANCING.

MODEL

272RL

23RL

TITUS | R-OMNI

TITUS

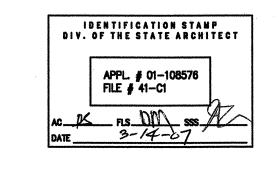
TITUS

SIZE

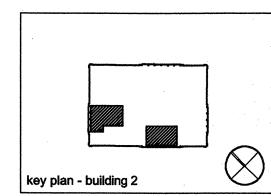
24" ROUND

NECK

5 PROVIDE OPOSED BLADE DAMPERS FOR AIRFLOW BALANCING.



		DSA	BACKCHEC
		, , , , , , , , , , , , , , , , , , , ,	
rev.	date		issı



project no:	06044	date:	03/15/0
drawn by:	MA	checked by:	
			ITECT

MECHANICAL SCHEDULES AND TITLE 24 DOCUMENTATION