PERFORMANCE CERTIFICATE OF COMPLIANCE Part 3 of 3 PERF-1

PROJECT NAME: Big League Dreams | DATE: 2/5/2009

ZONE INFORMATION

System Name	Zone Name	Occupancy Type	Floor Area (sqft.)	Inst. LPD (W/sf)[1]	Ctrl. Credits (W/sf)[2]	Allowed LPD Area (W/sf)[3]	Allowed LPD Tailored (W/sf)[4]	Proc. Loads (W/sf)
AC-2S	Dining Room S107	Dining	658	*1.100				
	Vest S106	Corridor/Restroom/Support	65	*0.600				
AC-3S	Dining Room S105	Dining	658	*1.100				
	Vest S104	Corridor/Restroom/Support	65	*0.600				
AC-4S	Dining Room S103	Dining	658	*1.100				
	Vest S102	Corridor/Restroom/Support	489	*0.600				
AC-5S	Bar S101	Dining	1,079	*1.100				
	Interior Dining	Dining	1,000	*1.100				
	Int.Vest adj to S104,6,8	Convention/Conference/Meeting	47	*1.400				
AC-6S	Kitchen S114	Kitchen, Food Preparation	410	*1.600				
	Office S115	Office	118	*1.200				
	Serving S113	Dining	373	*1.100				
	Corridor S120	Corridor/Restroom/Support	334	*0.600				
	Dry Storage S121	Corridor/Restroom/Support	384	*0.600				
	Restroom S124	Corridor/Restroom/Support	309	*0.600				
	Restroom S116	Corridor/Restroom/Support	249	*0.600				
	Liquor Storage S117	Corridor/Restroom/Support	53	*0.600				
	Arcade	Office	192	*1.200				
	Locker Room S120	Locker/Dressing Room	73	*0.800				
	Utility S119	Electrical, Mechanical Room	86	*0.700				

Notes: 1: See LTG-2-C (Items marked with asterisk, see LTG-2 -C by others) 2: See LTG-4-C 3: See LTG-5-C (by others) 4: See LTG-6-C Items above require special documentation

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

The HVAC System "Carrier 48PGM06--2" is designated as 3 Phase, or is Exempted from the NAECA 13 SEER requirement.

The HVAC System "Carrier 48PGM06--2" includes Demand Control Ventilation per Standards Section 121.

The HVAC System "Carrier 48PGM06--3" is designated as 3 Phase, or is Exempted from the NAECA 13 SEER requirement.

The HVAC System "Carrier 48PGD12" includes Demand Control Ventilation per Standards Section 121.

The exceptional features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.

Authorized Signature or Stamp

Run Initiation Time: 02/05/09 08:45:41 Run Code: 1233852341

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 3 of 3 PERF-1

PROJECT NAME: Big League Dreams | DATE: 2/5/2009

ZONE INFORMATION

System Name	Zone Name	Occupancy Type	Floor Area (sqft.)	Inst. LPD (W/sf)[1]	Ctrl. Credits (W/sf)[2]	Allowed LPD Area (W/sf)[3]	Allowed LPD Tailored (W/sf)[4]	Proc. Loads (W/sf)
AC-1C	Concessions Ofc. C108	Office	50	*1.200				
	Concessions Stor. C102	Corridor/Restroom/Support	167	*0.600				
	Concessions Kit. C104	Kitchen, Food Preparation	388	*1.600				
	Concs. Mens RR C110	Corridor/Restroom/Support	237	*0.600				
	Concs.Women RRC101	Corridor/Restroom/Support	237	*0.600				
AC-1A	Admin Office A111	Office	118	*1.200				
	Admin Opn Ofc A101-2	Office	686	*1.200				
AC-2A	Admin Office A108	Office	171	*1.200				
	Admin Conf Room A112	Convention/Conference/Meeting	148	*1.400				
	Admin Office A113	Office	119	*1.200				
	Admin Office A114	Office	119	*1.200				
	Admin Retail A104	Retail Sales, Wholesale	264	*1.700				
	Admin Storage A105	Corridor/Restroom/Support	80	*0.600				
	Admin Corridor A103,9	Corridor/Restroom/Support	254	*0.600				
	Admin Mens RR A111	Corridor/Restroom/Support	102	*0.600				
	Admin Office A106	Office	118	*1.200				
	Admin Electrical A115	Electrical, Mechanical Room	51	*0.700				
AC-1S	Dining Room S109	Dining	658	*1.100				
	Vest S108	Corridor/Restroom/Support	65	*0.600				
	Vest S110	Corridor/Restroom/Support	489	*0.600				

Notes: 1: See LTG-2-C (Items marked with asterisk, see LTG-2 -C by others) 2: See LTG-4-C 3: See LTG-5-C (by others) 4: See LTG-6-C Items above require special documentation

EXCEPTIONAL CONDITIONS COMPLIANCE CHECKLIST

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification to be used with the performance approach. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

The HVAC System "Carrier 48PGM04" is designated as 3 Phase, or is Exempted from the NAECA 13 SEER requirement.

The HVAC System "Carrier 48PGM05--1" includes an Economizer. This system has a cooling output < 75,000 Btuh or a supply cfm < 2500.

The HVAC System "Carrier 48PGM05--1" is designated as 3 Phase, or is Exempted from the NAECA 13 SEER requirement.

The HVAC System "Carrier 48PGM05--1" includes Demand Control Ventilation per Standards Section 121.

The HVAC System "Carrier 48PGM05--1" includes an Economizer. This system has a cooling output < 75,000 Btuh or a supply cfm < 2500.

The HVAC System "Carrier 48PGM06--1" is designated as 3 Phase, or is Exempted from the NAECA 13 SEER requirement.

The HVAC System "Carrier 48PGM06--1" includes Demand Control Ventilation per Standards Section 121.

The HVAC System "Carrier 48PGN03--2" includes an Economizer. This system has a cooling output < 75,000 Btuh or a supply cfm < 2500.

The HVAC System "Carrier 48PGN03--2" includes Demand Control Ventilation per Standards Section 121.

The HVAC System "Carrier 48PGM05--2" includes an Economizer. This system has a cooling output < 75,000 Btuh or a supply cfm < 2500.

The HVAC System "Carrier 48PGM05--2" is designated as 3 Phase, or is Exempted from the NAECA 13 SEER requirement.

The HVAC System "Carrier 48PGM05--2" includes Demand Control Ventilation per Standards Section 121.

The HVAC System "Carrier 48PGM06--2" includes an Economizer. This system has a cooling output < 75,000 Btuh or a supply cfm < 2500.

The exceptional features listed in this performance approach application have specifically been reviewed. Adequate written justification and documentation for their use have been provided by the applicant.

Authorized Signature or Stamp

Run Initiation Time: 02/05/09 08:45:41 Run Code: 1233852341

ENVELOPE MANDATORY MEASURES ENV-MM

PROJECT NAME: Big League Dreams | DATE: 2/5/2009

DESCRIPTION	Designer	Enforcement
☐ § 110(a) **Installed Insulating Material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20, Chapter 4, Article 3.**		
☐ § 110(c) **All Insulating Materials shall be installed in compliance with the flame spread rating and smoke density requirements of Sections 2602 and 707 of Title 24, Part 2.**		
☐ § 117(a) **All Exterior Joints and openings in the building that are observable sources of air leakage shall be caulked, gasketed, weatherstripped or otherwise sealed.**		
☐ § 116(b) **Site Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unframed glass doors and fire doors).**		
☐ § 116(a)1 **Manufactured Doors and Windows installed shall have air infiltration rates not exceeding those shown in Table Number 1-E, of the Standards. Manufactured fenestration products must be labeled for U-value according to NFRC procedures.**		
☐ § 118(e) **Demising Walls in Nonresidential Buildings: The opaque portions of framed demising walls in nonresidential buildings shall have insulation with an installed R-value of no less than R-13 between framing members.**		

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 2 of 3 PERF-1

PROJECT NAME: Big League Dreams | DATE: 2/5/2009

ANNUAL TDV ENERGY USE SUMMARY (kBtu/sqft-yr)

ENERGY COMPONENT	Standard Design	Proposed Design	Compliance Margin
Space Heating	4.46	2.40	2.06
Space Cooling	191.36	125.67	65.70
Indoor Fans	64.09	56.22	7.87
Heat Rejection	0.00	0.00	0.00
Pumps & Misc.	0.00	0.00	0.00
Domestic Hot Water	0.00	0.00	0.00
Lighting	69.46	69.46	0.00
Receptacle	40.34	40.34	0.00
Process	0.00	0.00	0.00
TOTALS:	369.71	294.08	75.63

Percent better than Standard: 20.5% (20.5% excluding process)

BUILDING COMPLIES

GENERAL INFORMATION

Building Orientation	(N) 0 deg	Conditioned Floor Area	12,148 sqft.
Number of Stories	1	Unconditioned Floor Area	187 sqft.
Number of Systems	9	Conditioned Footprint Area	0 sqft.
Number of Zones	41	Fuel Type	Natural Gas

	Orientation	Gross Area	Glazing Area	Glazing Ratio
Front Elevation	(N)	2,570 sqft.	348 sqft.	13.5%
Left Elevation	(E)	3,339 sqft.	385 sqft.	11.5%
Rear Elevation	(S)	2,700 sqft.	222 sqft.	8.2%
Right Elevation	(W)	3,796 sqft.	554 sqft.	14.6%
Total		12,405 sqft.	1,509 sqft.	12.2%
Roof		12,305 sqft.	0 sqft.	0.0%

	Standard	Proposed
Lighting Power Density	1.024 W/sqft.	1.024 W/sqft.
Prescriptive Env. Heat Loss	3,201 Btu/h	2,595 Btu/h
Prescriptive Env. Heat Gain	253,006 Btu/h-F	215,169 Btu/h-F

Remarks:

Run Initiation Time: 02/05/09 08:45:41 Run Code: 1233852341

MECHANICAL MANDATORY MEASURES Part 2 of 2 MECH-MM

PROJECT NAME: Big League Dreams | DATE: 2/5/2009

Description	Designer	Enforcement
Ventilation		
X § 121(a) **Controls shall be provided to allow outside air dampers or devices to be operated at the ventilation rates as specified on these plans.**		
X § 122(l) **Gravity or automatic dampers interlocked and closed on fan shutdown shall be provided on the outside air intakes and discharges of all space conditioning and exhaust systems.**		
X § 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.**		
X § 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**		
X § 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 licenced 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 divice; or**		
☐ § 121(f)4 **Another method approved by the Commission.**		
Service Water Heating Systems		
X § 113(b)2 **If a 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.**		
X § 113(c) **Lavatories in restrooms of public facilities shall be equipped with controls to limit the outlet temperature to 110 degrees F.**		

MECHANICAL MANDATORY MEASURES Part 1 of 2 MECH-MM

PROJECT NAME: Big League Dreams | DATE: 2/5/2009

DESCRIPTION	Designer	Enforcement
Equipment and Systems Efficiencies		
X § 111 **Any appliance for which there is a California standard established in the Appliance Efficiency Regulations will comply with the applicable standard.**		
X § 115(a) **Fan type central furnaces shall not have a pilot light.**		
X § 123 **Piping, except that conveying fluids at temperatures between 60 and 105 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 123.**		
X § 124 **Air handling duct systems shall be installed and insulated in compliance with Sections 601, 602, 603, 604, and 605 of the 2001 CMC Standards.**		
Controls		
§ 122(e) **Each space conditioning system shall be installed with one of the following:**		
X § 122(e)1A **Each space conditioning system serving building types such as offices and 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**		
☐ § 122(e)1C **A 4-hour timer that can be manually operated to control the operating period of the system.**		
X § 122(e)2 **Each space conditioning system shall be installed with controls that temporarily restart and temporarily operate 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 not 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.**		
X § 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 degrees F or lower. For cooling, the control shall be adjustable up to 85 degrees F or higher. Where used for both heating and cooling, the control shall be capable of providing a deadband of at least 5 degrees 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.**		
☐ § 112(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.**		

CERTIFICATE OF COMPLIANCE MECH-1-C

PROJECT NAME: Big League Dreams | DATE: 2/5/2009

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 performing 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, compliation of this section will allow the responsible party to budget for the scope of work appropriately.

Building Departments:

SYSTEM ACCEPTANCE. Before an occupancy permit is granted for a newly constructed building or space, or a new space-conditioning 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.

In addition a Certificate of Acceptance, MECH-1-A Form shall be submitted to the building department that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of Section 10-103(b) and Title 24 Part 6.

STATEMENT OF COMPLIANCE

X MECH-2-A: Ventilation System Acceptance Document -Variable Air Volume Systems Outdoor Air Acceptance -Constant Air Volume Systems Outdoor Air Acceptance Equipment requiring acceptance testing ALL AC UNITS *Test required on all New systems both New Construction and Retrofit.*	INSTALLING CONTRACTOR
X MECH-3-A: Packaged HVAC Systems Acceptance Document Equipment requiring acceptance testing ALL AC UNITS, GHU-1C & GHU-1S *Test required on all New systems both New Construction and Retrofit.*	INSTALLING CONTRACTOR
X MECH-4-A: Air-Side Economizer Acceptance Document Equipment requiring acceptance testing ALL AC UNITS *Test required on all New systems both New Construction and Retrofit. Units with economizers that are installed at the factory and certified with the commission do not require equipment testing but do require construction inspection.*	INSTALLING CONTRACTOR
☐ MECH-5-A: Air Distribution Acceptance Document Equipment requiring acceptance testing N/A *This test required if the unit serves 5,000 ft2 of space or less and 25% or more of the ducts are in nonconditioned or semiconditioned space like an attic. New systems that meet the above requirements. Retrofit systems that meet the above requirements and either extend ducts, replace ducts or replace the packaged unit.*	
X MECH-6-A: Demand Control Ventilation Acceptance Document Equipment requiring acceptance testing AC-2A & AC-1S-5S *All new DCV controls installed on new or existing packaged systems must be tested.*	INSTALLING CONTRACTOR
X MECH-7-A: Supply Fan Variable Flow Control Acceptance Document Equipment requiring acceptance testing GHU-1S *All new VAV fan volume controls installed on new or existing systems must be tested*	INSTALLING CONTRACTOR
☐ MECH-8-A: -Hydronic System Control Acceptance Document -Variable Flow Controls *Applies to chilled and hot water systems.* -Automatic Isolation Controls *Applies to new boilers and chillers and the primary pumps are connected to a common header.* -Supply Water Temperature Reset Controls *Applies to new constant flow chilled and hot water systems that have a design capacity greater than or equal to 300,000 Btu/hr.* -Water-loop Heat Pump Controls *Applies to all new waterloop heat pump systems where the combined loop pumps are greater than 5 hp.* -Variable Frequency Controls *Applies to all new distribution pumps on new variable flow chilled, hydronic heat pump or condenser water systems where the pumps motors are greater than 5 hp.* Equipment requiring acceptance testing N/A	

PERFORMANCE CERTIFICATE OF COMPLIANCE Part 1 of 3 PERF-1

PROJECT NAME: Big League Dreams		DATE: 2/5/2009	
PROJECT ADDRESS: Perris		Building Permit #	
PRINCIPAL DESIGNER - ENVELOPE: PITASSI ARCHITECTS INC.	TELEPHONE: (909)-980-1361		
DOCUMENTATION AUTHOR: GLUMAC	TELEPHONE: (949) 833-8190	Checked by/Date	Enforcement Agency Use

GENERAL INFORMATION

DATE OF PLANS	BUILDING CONDITIONED FLOOR AREA: 12,148 Sq.Ft.		CLIMATE ZONE: 10
BUILDING TYPE	X NONRESIDENTIAL	☐ HIGH RISE RESIDENTIAL	☐ HOTEL/MOTEL GUEST ROOM
PHASE OF CONSTRUCTION	X NEW CONSTRUCTION	☐ ADDITION	☐ EXISTING + ADDITION/ALTERATION

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 a Building using the performance compliance approach.

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

DOCUMENTATION AUTHOR	SIGNATURE	DATE
GLUMAC		2/5/2009

The Principal Designer hereby certifys 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 as designed meets the energy efficiency requirements contained in sections 110, 116, through 118, and 140, 142, 143 or 149 of Title 24, Part 6.

ENV.	LTG.	MECH.	
☐	☐	X	1. 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, mechanical engineer, electrical engineer, or I am a licensed architect.
☐	☐	☐	2. I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code 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.
☐	☐	☐	3. I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538, and 6737.1. (These sections of the Business and Professions Code are printed in full in the Nonresidential Manual.)

ENVELOPE COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures	M-7.1		
Required Forms	ENV-1		
PRINCIPAL ENVELOPE DESIGNER - NAME: PITASSI ARCHITECTS INC.	SIGNATURE	LIC. NO.	DATE

LIGHTING COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures	Lighting Compliance Not In The Scope Of This Submittal		
Required Forms			
PRINCIPAL LIGHTING DESIGNER - NAME	SIGNATURE	LIC. NO.	DATE

MECHANICAL COMPLIANCE

Indicate location on plans of Note Block for Mandatory Measures	M-7.1		
Required Forms	MECH-1, MECH-2, MECH-3, MECH-5		
PRINCIPAL MECHANICAL DESIGNER - NAME: GLUMAC	SIGNATURE	LIC. NO. 22941	DATE 2/5/2009

Run Initiation Time: 02/05/09 08:45:41 Run Code: 1233852341

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Job No.: 40813481
Contact: RG/AK
engineers for a sustainable future

PERRIS VALLEY Big League Dreams

2155 Trumble Road
Perris, California 92570

SHEET TITLE
TITLE 24

100% CONSTRUCTION DOCUMENT

DATE	REVISIONS

STAMP

CHECKED BY	DATE
-	-
DATE 01-07-10	FILE NAME
DRAWN BY -	SHEET M-7.1
JOB NO. 05208.00	
SCALE	