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CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST				(Part 1 of 4)		MECH-10	
Project Name Diane Mironowski				Date 4/12/2012			
Project Address 6107 Woodmere Drive Bakersfield				Climate Zone 13		Total Cond. Floor Area 1,448	
Addition Floor Area n/a							
GENERAL INFORMATION							
Building Type: <input checked="" type="checkbox"/> Nonresidential <input type="checkbox"/> High-Rise Residential <input type="checkbox"/> Hotel/Motel Guest Room <input type="checkbox"/> Schools (Public School) <input type="checkbox"/> Relocatable Public School Bldg. <input checked="" type="checkbox"/> Conditioned Spaces <input type="checkbox"/> Unconditioned Spaces (affidavit)							
Phase of Construction: <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Addition <input type="checkbox"/> Alteration							
Approach of Compliance: <input type="checkbox"/> Component <input type="checkbox"/> Overall Envelope TDV Energy <input type="checkbox"/> Unconditioned (file affidavit)							
Front Orientation: N, E, S, W or in Degrees: 180 deg							
HVAC SYSTEM DETAILS				FIELD INSPECTION ENERGY CHECKLIST			
		Inspection Criteria		Meets Criteria or Requirements			
Equipment²				Pass		Fail – Describe Reason²	
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		Bradford-White Corp. M240L**(S/B)		<input type="checkbox"/>		<input type="checkbox"/>	
Equipment Type ³ :		Electric Res HW Boiler		<input type="checkbox"/>		<input type="checkbox"/>	
Number of Systems		1		<input type="checkbox"/>		<input type="checkbox"/>	
Max Allowed Heating Capacity ¹		0 Btu/hr		<input type="checkbox"/>		<input type="checkbox"/>	
Minimum Heating Efficiency ¹		100 %		<input type="checkbox"/>		<input type="checkbox"/>	
Max Allowed Cooling Capacity ¹		n/a		<input type="checkbox"/>		<input type="checkbox"/>	
Cooling Efficiency ¹		n/a		<input type="checkbox"/>		<input type="checkbox"/>	
Duct Location/ R-Value		n/a		<input type="checkbox"/>		<input type="checkbox"/>	
When duct testing is required, submit MECH-4A & MECH-4-HERS		n/a		<input type="checkbox"/>		<input type="checkbox"/>	
Economizer		n/a		<input type="checkbox"/>		<input type="checkbox"/>	
Thermostat		n/a		<input type="checkbox"/>		<input type="checkbox"/>	
Fan Control		n/a		<input type="checkbox"/>		<input type="checkbox"/>	
FIELD INSPECTION ENERGY CHECKLIST				FIELD INSPECTION ENERGY CHECKLIST			
Equipment²		Inspection Criteria		Pass		Fail – Describe Reason²	
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		System 1		<input type="checkbox"/>		<input type="checkbox"/>	
Equipment Type ³ :		Single Package Vertical Unit		<input type="checkbox"/>		<input type="checkbox"/>	
Number of Systems		1		<input type="checkbox"/>		<input type="checkbox"/>	
Max Allowed Heating Capacity ¹		67,000 Btu/hr		<input type="checkbox"/>		<input type="checkbox"/>	
Minimum Heating Efficiency ¹		3.30 COP		<input type="checkbox"/>		<input type="checkbox"/>	
Max Allowed Cooling Capacity ¹		70,000 Btu/hr		<input type="checkbox"/>		<input type="checkbox"/>	
Cooling Efficiency ¹		12.0 EER		<input type="checkbox"/>		<input type="checkbox"/>	
Duct Location/ R-Value		Attic, Ceiling Ins, vented / 8.0		<input type="checkbox"/>		<input type="checkbox"/>	
When duct testing is required, submit MECH-4A & MECH-4-HERS		No		<input type="checkbox"/>		<input type="checkbox"/>	
Economizer		No Economizer		<input type="checkbox"/>		<input type="checkbox"/>	
Thermostat		Setback Required		<input type="checkbox"/>		<input type="checkbox"/>	
Fan Control		Constant Volume		<input type="checkbox"/>		<input type="checkbox"/>	
1. If the Actual installed equipment performance efficiency and capacity is less than the Proposed (from the energy compliance submittal or from the building plans) the responsible party shall resubmit energy compliance to include the new changes. 2. For additional detailed discrepancy use Page 2 of the Inspection Checklist Form. Compliance fails if a Fail box is checked. 3. Indicate Equipment Type: Gas (Pkg or Split), VAV, HP (Pkg or split), Hydronic, PTAC, or other.							
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WATER SIDE SYSTEM REQUIREMENTS		(Part 2 of 2)		MECH-2C	
Project Name <i>Diane Mironowski</i>				Date <i>4/12/2012</i>	
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		WATER² SIDE SYSTEMS: Chillers, Towers, Boilers, Hydronic Loops			
Number of Systems		dford-White Corp. M240L "S"			
		1			
Indicate Page Reference on Plans or Specification²					
MANDATORY MEASURES					
T-24 Sections					
Equipment Efficiency	112(a)	100 %			
Pipe Insulation	123	HW Piping			
 PRESCRIPTIVE MEASURES					
Cooling Tower Fan Controls	144(a & b)	n/a			
Cooling Tower Flow Controls	144(h)	n/a			
Variable Flow System Design	144(h)	n/a			
Chiller and Boiler Isolation	144(i)	n/a			
CHW and HHW Reset Controls	144(j)	n/a			
WLHP Isolation Valves	144(j)	n/a			
VSD on CHW, CW & WLHP Pumps>5HP	144(j)	n/a			
DP Sensor Location	144(j)	n/a			
<p>1. The proposed equipment must to match the building plans schedule or specifications. If a requirement is not applicable, put "N/A" in the column next to applicable section.</p> <p>2. For each chiller, cooling tower, boiler, and hydronic loop (or groups of similar equipment) fill in the reference to sheet number and/or specification section and paragraph number where the required features are documented. If a requirement is not applicable, put "N/A" in the column next to applicable section.</p>					
Item or System Tags (i.e. WH-1, WHP, DHW, etc...)¹		Service Hot Water, Pool Heating			
Number of Systems					
Indicate Page Reference on Plans or Schedule²					
MANDATORY MEASURES					
T-24 Sections					
SERVICE HOT WATER					
Certified Water Heater	111, 113(a)				
Water Heater Efficiency	113(b)				
Service Water Heating Installation	113(c)				
Pipe Insulation	123				
POOL AND SPA					
Pool and Spa Efficiency and Control	114(a)				
Pool and Spa Installation	114(b)				
Pool Heater – No Pilot Light	115(c)				
Spa Heater – No Pilot Light	115(d)				
Pipe Insulation	123				
<p>1. The Proposed equipment needs to match the building plans schedule or specifications. If a requirement is not applicable, put "N/A" in the column next to applicable section.</p> <p>2. For each water heater, pool heater and domestic water loop (or groups of similar equipment) fill in the reference to sheet number and/or specification section and paragraph number where the required features are documented. If a requirement is not applicable, put "N/A" in the column next to applicable section.</p>					

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AIR SYSTEM REQUIREMENTS			(Part 1 of 2)	MECH-2												
Project Name <i>Diane Mironowski</i>		Date <i>4/12/2012</i>														
<table border="1"> <tr> <th colspan="4">Indicate Air Systems Type (Central, Single Zone, Package, VAV, or etc...)</th> </tr> <tr> <td>Item or System Tags (i.e. AC-1, RTU-1, HP-1)</td> <td></td> <td>System 1</td> <td></td> </tr> <tr> <td>Number of Systems</td> <td></td> <td>1</td> <td></td> </tr> </table>					Indicate Air Systems Type (Central, Single Zone, Package, VAV, or etc...)				Item or System Tags (i.e. AC-1, RTU-1, HP-1)		System 1		Number of Systems		1	
Indicate Air Systems Type (Central, Single Zone, Package, VAV, or etc...)																
Item or System Tags (i.e. AC-1, RTU-1, HP-1)		System 1														
Number of Systems		1														
Indicate Page Reference on Plans or Schedule and indicate the applicable exception(s)																
MANDATORY MEASURES																
T-24 Sections																
Heating Equipment Efficiency	112(a)	3.30 COP														
Cooling Equipment Efficiency	112(a)	12.0 EER														
HVAC Heat Pump Thermostat	112(b), 112(c)	Yes														
Furnace Controls/Thermostat	112(c), 115(a)	n/a														
Natural Ventilation	121(b)	No														
Mechanical Ventilation	121(b)	492 cfm														
VAV Minimum Position Control	121(c)	No														
Demand Control Ventilation	121(c)	No														
Time Control	122(e)	Programmable Switch														
Setback and Setup Control	122(e)	Setback Required														
Outdoor Damper Control	122(f)	Auto														
Isolation Zones	122(g)	n/a														
Pipe Insulation	123															
Duct Location/ R-value	124	Attic, Ceiling Ins, vented / 8.0														
PRESCRIPTIVE MEASURES																
Calculated Design Heating Load	144(a & b)	n/a														
Proposed Heating Capacity	144(a & b)	41,846 Btu/hr														
Calculated Design Cooling Load	144(a & b)	n/a														
Proposed Cooling Capacity	144(a & b)	0 Btu/hr														
Fan Control	144(c)	Constant Volume														
DP Sensor Location	144(c)															
Supply Pressure Reset (DDC only)	144(c)	Yes														
Simultaneous Heat/Cool	144(d)	No														
Economizer	144(e)	No Economizer														
Heat Air Supply Reset	144(f)	Constant Temp														
Cool Air Supply Reset	144(f)	Constant Temp														
Electric Resistance Heating ¹	144(g)															
Air Cooled Chiller Limitation	144(f)															
Duct Leakage Sealing, If Yes, a MECH-4-A must be submitted	144(k)	No														
<p>1. Total installed capacity (MBtu/hr) of all electric heat on this project exclusive of electric auxiliary heat for heat pumps. If electric heat is used explain which exception(s) to §144(g) apply.</p>																
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APPROVED
JUL 11 2012

PER CALIF. TITLE 24, A/C FANS SHALL START ONE HOUR BEFORE OPENING AND RUN UNTIL END OF BUSINESS DAY.

PER CALIF. TITLE 24, AN AIR BALANCING REPORT AND OUTSIDE AIR CERTIFICATION SHALL BE SUBMITTED TO THE CITY BUILDING DEPARTMENT BEFORE OCCUPANCY.