



IDENTIFICATION STAMP
 DIVISION OF STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL #02-112027
 FILE # 15-6
 AC FILE # SS
 DATE 1/8/12
 PTN # 63321-112

NEW ELEMENTARY SCHOOL
 9801 HIGHLAND KNOLLS DR
 BAKERSFIELD CALIFORNIA 93306
 NEW MIDDLE SCHOOL
 4115 VINELAND ROAD
 BAKERSFIELD CALIFORNIA 93306

FOR:
BAKERSFIELD CITY SCHOOL DISTRICT
 1300 BAKER STREET
 BAKERSFIELD CALIFORNIA 93305

MARK	DATE	DESCRIPTION
△		
△		
△		
△		

JOB NUMBER:
200101244
 CAD DRAWING FILE:
 DRAWN BY:
KW
 CHECKED BY:
MB
 CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCY TO THE ARCHITECT.
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 SHEET TITLE

TITLE 24
 BUILDING "F"
 SHEET IDENTIFICATION NUMBER
M-525

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 1 of 4) MECH-1C
 Project Name: BCSD School Bld F Classrooms Date: 1/5/2012
 Project Address: Bakersfield Climate Zone: 13 Total Cost: Floor Area: 9,360 Admin Floor Area: n/a
 GENERAL INFORMATION
 Building Type: Nonresidential High Rise Residential Hotel/Motel Guest Room
 Schools (Public School) Relocatable Public School Bldg Conditioned Spaces Unconditioned Spaces (add/deduct)
 Phase of Construction: New Construction Addition Alteration
 Approval of Compliance: Component Overall Envelope TDV Energy Unconditioned (the add/deduct)
 Front Orientation: N, E, S, W or in Degrees: 6deg
 HVAC SYSTEM DETAILS
 Equipment¹: CLUFC F-1, 2
 Room or System Tags (i.e. AC-1, RTU-1, HP-1)
 Equipment Type²: Split DX
 Number of Systems: 2
 Max Allowed Heating Capacity³: 78,000 Btu/hr
 Minimum Heating Efficiency³: n/a
 Max Allowed Cooling Capacity³: 78,000 Btu/hr
 Cooling Efficiency³: 18.0 SEER / 13.0 EER
 Duct Location R Value: n/a
 When duct testing is required, submit MECH-4A & MECH-4-HERS
 Economizer: No Economizer
 Thermostat: Setback Required
 Fan Control: Constant Volume
 FIELD INSPECTION ENERGY CHECKLIST
 Equipment⁴:
 Room or System Tags (i.e. AC-1, RTU-1, HP-1)
 Equipment Type²:
 Number of Systems:
 Max Allowed Heating Capacity³:
 Minimum Heating Efficiency³:
 Max Allowed Cooling Capacity³:
 Cooling Efficiency³:
 Duct Location R Value:
 When duct testing is required, submit MECH-4A & MECH-4-HERS
 Economizer:
 Thermostat:
 Fan Control:
 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 submit energy compliance to include the new changes.
 2. For buildings that do not have a separate Compliance Form, Compliance Table # 2 Part 6 is checked.
 3. Indicate Equipment Type: Gas (Pkg or Split), VAV, HP (Pkg or Split), Hydronic, PTAC, or other.
 EnergyPro 5.1 by EnergySoft User Number: 5232 RunCode: 2012-01-08113-26-36 ID: 00091 Page 16 of 25

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 2 of 4) MECH-1C
 Project Name: BCSD School Bld F Classrooms Date: 1/5/2012
 Discrepancies:
 TEST DESCRIPTION

TEST DESCRIPTION	MECH-12A	MECH-12B	MECH-12C	MECH-12D	MECH-12E	MECH-12F	MECH-12G	MECH-12H	MECH-12I	MECH-12J	MECH-12K	MECH-12L	MECH-12M	MECH-12N	MECH-12O	MECH-12P	MECH-12Q	MECH-12R	MECH-12S	MECH-12T	MECH-12U	MECH-12V	MECH-12W	MECH-12X	MECH-12Y	MECH-12Z
Equipment Requiring Testing or Verification	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City
PHVY-PTSD Run as Standard Heat Pump	2																									
Moubaoh MUYA12MA / MEYV12MA	2																									

 EnergyPro 5.1 by EnergySoft User Number: 5232 RunCode: 2012-01-08113-26-36 ID: 00091 Page 17 of 25

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 3 of 4) MECH-1C
 Project Name: BCSD School Bld F Classrooms Date: 1/5/2012
 Required Acceptance Tests
 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 applicable 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. The NA number designates the Section in the Appendix of the Nonresidential Reference Appendices Manual that describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately.
 Building Departments:
 Systems Acceptance: Before 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 verified as meeting the Acceptance Requirements for Code Compliance.
 Systems Acceptance: Before occupancy permit is granted, all newly installed HVAC equipment must be tested using the Acceptance Requirements.
 The MECH-1C form is not considered a completed form and is not to be accepted by the building department unless the correct boxes are checked. The equipment requiring testing, person performing the test (Example: HVAC installer, TAB contractor, controls contractor, PE in charge of project) and what Acceptance test must be conducted. The following checked-off forms are required for ALL newly installed equipment. In addition a Certificate of Acceptance forms shall be submitted to the building department that certifies plans, specifications, installation, certificates, and operating and maintenance information meet the requirements of §10-103(b) and Title 24 Part 6. The building inspector must receive the properly filled out and signed forms before the building can receive final occupancy.
 TEST DESCRIPTION

TEST DESCRIPTION	MECH-12A	MECH-12B	MECH-12C	MECH-12D	MECH-12E	MECH-12F	MECH-12G	MECH-12H	MECH-12I	MECH-12J	MECH-12K	MECH-12L	MECH-12M	MECH-12N	MECH-12O	MECH-12P	MECH-12Q	MECH-12R	MECH-12S	MECH-12T	MECH-12U	MECH-12V	MECH-12W	MECH-12X	MECH-12Y	MECH-12Z
Equipment Requiring Testing or Verification	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City
PHVY-PTSD Run as Standard Heat Pump	2																									
Moubaoh MUYA12MA / MEYV12MA	2																									

 EnergyPro 5.1 by EnergySoft User Number: 5232 RunCode: 2012-01-08113-26-36 ID: 00091 Page 18 of 25

CERTIFICATE OF COMPLIANCE and FIELD INSPECTION ENERGY CHECKLIST (Part 4 of 4) MECH-1C
 Project Name: BCSD School Bld F Classrooms Date: 1/5/2012
 TEST DESCRIPTION

TEST DESCRIPTION	MECH-12A	MECH-12B	MECH-12C	MECH-12D	MECH-12E	MECH-12F	MECH-12G	MECH-12H	MECH-12I	MECH-12J	MECH-12K	MECH-12L	MECH-12M	MECH-12N	MECH-12O	MECH-12P	MECH-12Q	MECH-12R	MECH-12S	MECH-12T	MECH-12U	MECH-12V	MECH-12W	MECH-12X	MECH-12Y	MECH-12Z
Equipment Requiring Testing or Verification	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City	City
PHVY-PTSD Run as Standard Heat Pump	2																									
Moubaoh MUYA12MA / MEYV12MA	2																									

 EnergyPro 5.1 by EnergySoft User Number: 5232 RunCode: 2012-01-08113-26-36 ID: 00091 Page 19 of 25

AIR SYSTEM REQUIREMENTS (Part 1 of 2) MECH-2C
 Project Name: BCSD School Bld F Classrooms Date: 1/5/2012
 Room or System Tags (i.e. AC-1, RTU-1, HP-1)
 Number of Systems:
 MANDATORY MEASURES
 Heating Equipment Efficiency
 Cooling Equipment Efficiency
 HVAC Heat Pump Thermostat
 Furnace Controls/Thermostat
 Natural Ventilation
 Mechanical Ventilation
 VAV Minimum Position Control
 Demand Control Ventilation
 Time Control
 Setback and Setpoint Control
 Outdoor Damper Control
 Isolation Zones
 Pipe Insulation
 Duct Location R Value
 PRESCRIPTIVE MEASURES
 Proposed Heating Load
 Proposed Heating Capacity
 Coldest Design Cooling Load
 Proposed Cooling Capacity
 Fan Control
 DP Sensor Location
 Supply Pressure Reset (DDC only)
 Simultaneous Heat/Cool
 Economizer
 Heat Air Supply Reset
 Cool Air Supply Reset
 Electric Resistance Heating
 Cool Air Supply Reset
 Air Cooled Chiller Limitation
 Duct Leakage Testing: If Yes, a MECH-4-A must be submitted
 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 responsibility is §14-601 ready.
 EnergyPro 5.1 by EnergySoft User Number: 5232 RunCode: 2012-01-08113-26-36 ID: 00091 Page 20 of 25

MECHANICAL VENTILATION AND REHEAT MECH-3C
 Project Name: BCSD School Bld F Classrooms Date: 1/5/2012
 MECHANICAL VENTILATION (§121(d)(2))

Zone/System	AREA BASIS				OCCUPANCY BASIS				REHEAT LIMITATION (§144(f))				
	A	B	C	D	E	F	G	H	I	J	K	L	M
Classroom 109	893	0.36	366	366	366	366	366	366	366	366	366	366	366
Classroom 101	893	0.36	366	366	366	366	366	366	366	366	366	366	366
Classroom 102	893	0.36	366	366	366	366	366	366	366	366	366	366	366
Work Room 108	240	0.36	91	91	91	91	91	91	91	91	91	91	91
Classroom 104	893	0.36	366	366	366	366	366	366	366	366	366	366	366
Classroom 105	893	0.36	366	366	366	366	366	366	366	366	366	366	366
Classroom 106	893	0.36	366	366	366	366	366	366	366	366	366	366	366
Classroom 107	893	0.36	366	366	366	366	366	366	366	366	366	366	366
Work Room 109	240	0.36	91	91	91	91	91	91	91	91	91	91	91
HP F-2													
Reheat Rooms	178	0.15	25	25	25	25	25	25	25	25	25	25	25
CLUFC F-1, 2													
Total													

 Column I Total Design Ventilation Air
 C Minimum ventilation rate per Section 121.1, Table 131-A.
 D Based on least area or the greater of the specified number of occupants and 50% of the CRC occupant load for express purposes for spaces without fixed seating.
 E Required Ventilation Air (REQ'D V.A.) is the larger of the ventilation rates calculated on an AREA BASIS or OCCUPANCY BASIS (Columns D or E).
 F Must be greater than or equal to H, or use Transfer Air (Column N) to make up the difference.
 G Design fan supply CFM (Fan CFM) at 90% or the design zone outdoor airflow rate per §121.1.
 H Condition area (CA) = 0.4 CFM/100 sq ft.
 I Maximum of Columns H, J, K, or 300 CFM.
 L This must be less than or equal to Column L and greater than or equal to the sum of Columns H plus H.
 M Transfer Air must be provided when the Required Ventilation Air (Column I) is greater than the Design Minimum Air (Column M).
 N Transfer Air must be provided when the Required Ventilation Air (Column I) and the Design Minimum Air (Column M) are equal to the difference between the Required Ventilation Air (Column I) and the Design Minimum Air (Column M).
 EnergyPro 5.1 by EnergySoft User Number: 5232 RunCode: 2012-01-08113-26-36 ID: 00091 Page 21 of 25

ENVELOPE MANDATORY MEASURES: NONRESIDENTIAL ENV-MM
 Project Name: BCSD School Bld F Classrooms Date: 1/5/2012
 DESCRIPTION
 Building Envelope Measures:
 §118(a): Insulated roofing material shall have been certified by the manufacturer to comply with the California Quality Standards for insulating material, Title 20 Chapter 4, Article 3.
 §118(c): All Insulation 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.
 §118(f): The opaque portions of framed demurring walls in nonresidential buildings shall have insulation with an installed R value of no less than R-13 between framing members.
 §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.
 §118(a): Manufactured fenestration products and exterior doors shall have air infiltration rates not exceeding 0.3 cfm/ft² of window area, 0.3 cfm/ft² of door area for residential doors, 0.3 cfm/ft² of door area for nonresidential single doors (excluding fire doors), and 1.0 cfm/ft² for nonresidential double doors (excluding fire doors).
 §118(a): Fenestration U factor shall be rated in accordance with NFRC 100, or the applicable default U-factor.
 §118(a): Fenestration SHGC shall be rated in accordance with NFRC 100, or NFRC 100 for site-built fenestration, or the applicable default SHGC.
 §118(a): See Constructed Doors, Windows and Skylights shall be caulked between the unit and the building, and shall be weatherstripped (except for unitized glass doors and fire doors).
 EnergyPro 5.1 by EnergySoft User Number: 5232 RunCode: 2012-01-08113-26-36 ID: 00091 Page 22 of 25

MECHANICAL MANDATORY MEASURES: NONRESIDENTIAL MECH-MM
 Project Name: BCSD School Bld F Classrooms Date: 1/5/2012
 Equipment and 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 and 100 degrees Fahrenheit, or within HVAC equipment, shall be insulated in accordance with Standards Section 103.
 §124: Air handling duct systems shall be installed and insulated in compliance with Sections 601, 602, 603, 604, and 605 of the CMC Standards.
 Controls
 §122(a): Each space conditioning system shall be installed with one of the following:
 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 (b)) 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
 1B. An occupancy sensor to control the operating period of the system; or
 1C. A 4-hour timer that can be manually operated to control the operating period of the system.
 §122(b): Each space conditioning system shall be installed with controls that temporarily reset and temporarily operate the system as required to maintain a setback heating and/or a setback cooling thermostat setpoint.
 §122(c): Each space conditioning system serving multiple zones with a conditioned 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.
 §122(d): Thermostats shall have numeric setpoints in degrees Fahrenheit (F) and adjustable setpoint stops accessible only to authorized personnel.
 §122(e): 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.
 §122(f): 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 65 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(g): 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.
 §122(h): 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 65 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(i): 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.
 §122(j): 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 65 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(k): 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.
 §122(l): 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 65 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(m): 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.
 §122(n): 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 65 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(o): 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.
 §122(p): 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 65 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(q): 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.
 §122(r): 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 65 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(s): 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.
 §122(t): 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 65 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(u): 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.
 §122(v): 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 65 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(w): 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.
 §122(x): 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 65 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(y): 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.
 §122(z): 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 65 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(aa): 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.
 §122(ab): 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 65 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(ac): 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.
 §122(ad): 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 65 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(af): 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.
 §122(ag): 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 65 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(ah): 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.
 §122(ai): 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 65 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(aj): 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.
 §122(ak): 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 65 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(al): 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.
 §122(am): 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 65 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(an): 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.
 §122(ao): 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 65 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(ap): 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.
 §122(aq): 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 65 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(ar): 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.
 §122(as): 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 65 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(at): 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.
 §122(au): 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 65 degrees F or higher