

# county of ventura

REVIEW	FIRST	SECOND	THIRD	FOURTH
DATE				

## PLAN REVIEW CORRECTION LIST MECHANICAL SYSTEMS AND EQUIPMENT (Effective January 1, 2011)

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Project Address	Locality	Plan Check Number
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Owner/Agent	Mailing Address (Number & Street)
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City, State and Zip Code	Phone Number
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**INSTRUCTIONS:**

Circled item numbers on the following list identify required corrections. Code references following each item refer to California Mechanical Code (CMC) 2010 edition, California Business and Professions Code (BPC), California Building Code (CBC) 2010 edition.

- Corrections shall be made on the tracings. Three new sets of prints from the corrected tracings must be submitted for recheck, along with the marked-up set of drawings which was originally submitted for plan review.
- Minor corrections may be made on plans, in ink, when approved by the plan checker. Such corrections shall be initialed by the person responsible for the design.
- RETURN THIS LIST with corrected plans forms, and energy calculations. To facilitate rechecking, indicate (on the line to the left of any item circled below) the sheet number of your drawings where required corrections are shown.

GENERAL REQUIREMENTS

- \_\_\_ 1. Plans shall bear the license number and signature of an architect, engineer. Alternatively, the contractor licensed in the appropriate discipline can sign the plans provided the same contractor has been contracted to install the mechanical system. Business and Professions Code, Section 6737.3
- \_\_\_ 2. Show the job address on the plans.
- \_\_\_ 3. Plans shall be clearly legible, and to a scale no smaller than 1/8 inch per foot.
- \_\_\_ 4. Show equipment schedule on the plans
- \_\_\_ 5. Show the use and occupancy of each room or space on the plans.

- \_\_\_ 6. Added or converted appliances shall comply with Section 902.1 and 2 (A) thru (C).
- \_\_\_ 7. Ducts used in central vacuum cleaning systems within a dwelling unit shall be constructed of materials in compliance with the applicable standards referenced in Chapter 17, Sec. 506.1. Exception (3)
- \_\_\_ 8. Penetrations of fire walls or floor-ceiling or roof-ceiling assemblies shall comply with the Building Code.
- \_\_\_ 9. Copper or ferrous pipes or conduits extending from within the separation between a garage and dwelling unit to the central vacuuming unit may be used.

FURNACES AND AIR HANDLERS

- \_\_\_ 10. The furnace compartment shall be provided with an opening not less than 30 inches wide. (304.0)
- \_\_\_ 11. The furnace compartment: Central-heating furnaces not listed for closet or alcove installation shall be installed in a room or space having a volume at least twelve (12) times the total volume of the furnace; central-heating boilers not listed for closet or alcove installation shall be installed in a room or space having a volume sixteen (16) times the volume of the boiler. (303.2) Submit appliance and compartment volume calculations for review and approval.
- \_\_\_ 12. Under floor area access (304.1.3.)
- \_\_\_ 13. Show location and size of permanent access to the furnace. (904.10, 904.11 & 911.3, 911.4, 911.6)
- \_\_\_ 14. Show roof access. (304.1.1 & 903.7)

- \_\_\_ 15. Show direct vent appliance vent termination with clearances specified by manufacturer's installation instructions, submit manufacturer's installation instructions, etc. (802.1.1, 802.2(3)).
- \_\_\_ 16. Show location and size of all combustion-air openings or ducts. (701.2)
- \_\_\_ 17. Provide calculations for the combustion air. Size of openings or ducts shall be per 701.
- \_\_\_ 18. Combustion-air ducts shall be of galvanized steel. (701.10)
- \_\_\_ 19. Dampers are not allowed in combustion-air ducts. (701.11)
- \_\_\_ 20. Detail equipment support and anchorage for 1106.2.
- \_\_\_ 21. Provide an elevation of the furnace: show the draft hood, vent size and type (i.e., double wall type B vent, plastic pipe vent or special gas vent system, etc.) clearance and vent termination. (Table 8-1 Vent type table 802.4.1 and 802.4.3)
- \_\_\_ 22. The vent shall be metal double wall type B (802.6.3.1)
- \_\_\_ 23. Single wall metal pipe not permitted.(802.6.3)
- \_\_\_ 24. The vent shall be positive pressure type. Show category II, III, IV Vent system (802.4.3, 802.4, Table 8.1)
- \_\_\_ 25. Provide manufacturer's listing instructions showing the venting criteria and condensate waste disposal for the condensate furnaces. (802.4, 802.8, 802.8.5, and 802.9 condenser)
- \_\_\_ 26. The vent diameter shall be equal to or greater than the diameter of the vent collar of the appliance. (802.6.3.2)
- \_\_\_ 27. The Type B vent termination shall be at least 5 feet above the highest connected equipment draft hood or flue collar. (802.6.2.1)
- \_\_\_ 28. Vents shall extend above the roof and shall terminate in a listed vent cap. Termination point shall be at least 3 feet above any forced air inlet into the building located within 10 feet, 8 feet from a vertical wall or similar obstruction. (802.6.2) Figure 8-2
- \_\_\_ 29. Infrared Heaters:  
Support. Suspended-type infrared heaters shall be fixed in position independent of gas and electric supply lines. Hangers and brackets shall be of noncombustible material. Heaters subject to vibration shall be provided with vibration-isolating hangers. [NFPA 54:10.18.1] (919.1)
- \_\_\_ 30. Broiler Units.  
920.1 Listed Units. Listed open-top broiler units shall be installed in accordance with the manufacturer's installation instructions. [NFPA 54:10.19.1] (920.1 & 920.2)  
Unlisted Units. Unlisted open-top broiler units shall be installed in accordance with the manufacturer's instructions but shall not be installed in combustible material. [NFPA 54:10.19.2] (920.3)
- \_\_\_ 31. A listed pool heater shall be installed in accordance with its listing and the manufacturer's instructions. A pool heater listed for outdoor installation shall be installed with the venting means supplied by the manufacturer and in accordance with the manufacturer's instructions. (920.1, 920.3, 922.0)
- \_\_\_ 32. Type B or L vent shall extend vertically, except one 60-degree offset is allowed. Scope 1/4 inch/foot upward. (802.6.1.1 & 802.10.1)
- \_\_\_ 33. The total horizontal run of a vent plus the length of horizontal vent connector shall not exceed 75% of the vertical height of the vent. (802.6.1.1)
- \_\_\_ 34. Decorative shrouds shall not be installed at the termination of factory built chimneys or gas vents except where such shrouds are listed for use with the specific factory built chimneys or gas venting system and are installed in accordance with manufacturers' installation instructions. (802.5.2.3, 802.5.2.4, & 802.6.2.4.)
- \_\_\_ 35. Multiple appliance vent connectors entering a common venting system shall be sized per Section 803.1 and 803.1.2.
- \_\_\_ 36. The area of a common vent connector shall not be less than the area of the largest vent connectors plus 50% of the areas of the additional vent connectors. (802.6.3.1(4))
- \_\_\_ 37. When sizing Category I - II venting systems specify which table in Appendix C, Chapter 8, the venting system has been designed to. (803. 1)
- \_\_\_ 38. Show Type B-W Vent for wall furnace terminating at least 12 feet from the bottom of the furnace. (802.6.2.2)
- \_\_\_ 39. Provide manufacturers listing for proposed wall furnaces. (928.1)
- \_\_\_ 40. Outdoor Cooking Appliances. Listed outdoor cooking appliances shall be installed in accordance with their listing and the manufacturer's instructions. (921.0)
- \_\_\_ 41. 917.0 Clearances for Listed Appliances. Listed illuminating appliances shall be installed in accordance with their listing and the manufacturers' instructions (NFPA 54:10.16.1) 917.2 Clearances for Unlisted Appliances. 917.2(B)
- CONDITIONED AIR**
- \_\_\_ 42. Provide a primary and a secondary condensate drain (watertight pan) for cooling coils installed above the ceiling or in furred spaces. The secondary drain shall terminate in a visible location (309.1, 311.0, 311.3, & 1106.10-13)
- \_\_\_ 43. Show on the plans the duct materials and gages. Gages shall be per 602.1 Table 5-5 and 5.6.
- \_\_\_ 44. Ducts shall be insulated in accordance with Appendix (A) Tables 6-2A thru 6-2Q and Title 24 Energy Report.
- \_\_\_ 45. Provide duct type smoke detectors in the supply air ducts in every air conditioning system in excess of 2,000 cfm. Multiple units serving the same room, or having a common return air plenum or a common outside air duct are considered to be one system for the

determination of the cfm. In lieu of duct type smoke detectors, complete coverage area detectors may be installed. (609.0)

- \_\_\_ 46. Show all fire rated corridors, walls and ceilings on plans.
- \_\_\_ 47. Indicate if rated corridors are tunnel type or full height.
- \_\_\_ 48. Make-up air or return air shall not be taken from corridors.
- \_\_\_ 49. Listed fire dampers and smoke dampers are required to be installed at all duct penetrations through firewalls, fire barriers and fire partitions. (716.5 CBC)
- \_\_\_ 50. Listed fire dampers and smoke dampers are required to be installed at all duct penetration through fire rated shafts. (716.5.3 CBC)
- \_\_\_ 51. Listed fire dampers are required to be installed at all duct penetration through fire rated floors/ceilings. (716.6 CBC)
- \_\_\_ 52. Provide combination smoke/fire dampers to isolate ducts serving rated corridors. (716.5.4 & 716.5.4.1 CBC)
- \_\_\_ 53. Provide combination smoke/fire dampers in ducts penetrating elevator lobbies. (716.5.3 CBC)
- \_\_\_ 54. Fire dampers shall be accessible for inspection, maintenance with access 2 feet (606.5)
- \_\_\_ 55. Provide a copy of the manufacturer's catalogs for the mechanical equipment used.
- \_\_\_ 56. Provide permanent roof access (904.10, 304.1, 304.1.2 CMC)

#### TITLE 24

- \_\_\_ 57. Provide outside air. (Title 24, Sec. 121)
- \_\_\_ 58. Provide regularly occupied areas of the building with air filtration media for outside and return air prior to occupancy that provides at least a Minimum Efficiency Reporting Value (MERV) of 8. GBC 5.504.5.3
- \_\_\_ 59. Make-up air fans shall be electrically interlocked with their associated exhaust systems. (406.4.2 CBC)
- \_\_\_ 60. Backdraft dampers shall be provided in outdoor air supply and exhaust systems. (Title 24, Sec. 150(m)(7))
- \_\_\_ 61. Provide an economizer in every cooling unit exceeding 2,500 cfm. Cooling capacity 75,000 BTU. (Title 24, Sec. 144(e))
- \_\_\_ 62. Show thermostats. (Title 24, Sec. 122-B)
- \_\_\_ 63. Show signed statement of compliance (form Mech-1) on the plans. (Title 24, Sec. 10-103(a)2.C)
- \_\_\_ 64. Provide heating and cooling load calculation. (Title 24, Sec. 144(b))

- \_\_\_ 65. Provide complete Title 24 documentation. (Title 24, Sec. 10-103) Table 149-A, 149(d)
- \_\_\_ 66. Show compliance with at least one of the exceptions of Sec. 144(g) for the electrical resistant heating or provide energy budget. (Title 24, Sec. 144(g) & 152(c))
- \_\_\_ 67. Show signed statement of compliance (form Mech-1) on the plans. (Title 24, Sec. 10-103(a) 2.A).
- \_\_\_ 68. Also provide Mech-2, Mech-3 and Mech-4 with the submittal. (Title 24 Sec. 10-103(a) 2.C).

#### GENERAL

- \_\_\_ 69. Provide adequate ventilation. Please see Table 4-1 and Table 4-7 (CMC)
- \_\_\_ 70. Exhaust ducts under positive pressure and venting systems shall not extend into or pass through ducts or plenums. (602.1)
- \_\_\_ 71. Show location & sizes of all ventilation ducts & openings.
- \_\_\_ 72. Environmental exhausts ducts shall terminate outside the building and shall be equipped with a back-draft damper. (504.3.1)
- \_\_\_ 73. Exhaust outlets shall be 3 feet from the property line; 3 feet from opening into the building. (504.5)
- \_\_\_ 74. Exhaust outlets for product conveying systems shall be 10 feet from the property line, 3 feet from exterior roof/wall; 10 feet from opening into the building; 10 feet above grade. (510.8.2.1) (510.8.3.1)
- \_\_\_ 75. Make-up air shall be provided for all rooms with exhaust. (505.3)

#### LAUNDRY ROOMS

- \_\_\_ 76. Exhaust duct for domestic dryers shall be 4 inches minimum and shall not exceed a total length of 14 feet including two 90 degree elbows. Two feet shall be deducted for each 90 degree elbow in excess of two. (504.3.2.2)
- \_\_\_ 77. Provide engineering calculations or clothes dryer manufacturers installation instructions for dryer vents exceeding 14 feet. (504.3.2.2)
- \_\_\_ 78. Dryer exhausts shall terminate at least 3 feet from property line and 3 feet from openings into any building. (504.5 & 905.2)
- \_\_\_ 79. Dryer exhaust ducts shall be made out of metal and have smooth interior surface. (504.3.2.1)
- \_\_\_ 80. Laundry ventilation exhaust shall terminate at least 3 feet from property line and 3 feet from openings into any building. (504.5)
- \_\_\_ 81. Clothes dryer moisture exhaust duct shall not extend into or through ducts or plenums. (504.3.1)
- \_\_\_ 82. Laundry exhaust ducts under positive pressure shall not extend into or pass through ducts or plenums. (504.1)
- \_\_\_ 83. Show make up air for the laundry room exhaust system. (504.3.2 CMC and 905.3(B))

\_\_\_ 84. Provide combustion air openings. (701.1 and 701.1.4)

openings into the building. (508.4.1, 508.4.1.1 & 508.4.2)

#### TOILET ROOMS

\_\_\_ 85. Toilet rooms in commercial buildings shall have 75 cfm air changes per hour. (Chapter 4 Table 4-4 CMC)

\_\_\_ 86. Toilet rooms in residential buildings shall have 50 cfm air changes per hour. Chapter 4 Table 4-1 and Table 4-4 (CMC & CRC)

\_\_\_ 87. Toilet exhausts shall terminate at least 3 feet from property line and 3 feet from openings into any building. (504.5)

\_\_\_ 88. The make-up air system shall be interlocked with the associated exhaust system. (505.3) CMC

\_\_\_ 89. Show make-up air for toilet exhaust. (Sec. 203.0) 505.3 CMC

\_\_\_ 90. Provide a duct type smoke detector in the enclosed space within the building's exhaust system exceeding 2,000 cubic feet per minute. (609.0)

\_\_\_ 91. Toilet exhaust ducts shall be made of metal. (504.1)

\_\_\_ 92. Toilet exhaust ducts under positive pressure shall not extend into or pass through ducts or plenums. (504.1) 602.1

\_\_\_ 93. Provide combination fire/smoke dampers where the toilet exhaust ducts penetrate a fire rated shaft. (716.6 CBC)

#### CORRIDOR VENTILATION

\_\_\_ 94. Provide corridor ventilation, separate from other building ventilation systems, for the exit enclosure. (Chapter 4, Table 4-4).

\_\_\_ 95. Listed fire dampers and smoke dampers are required to be installed at all duct penetrations through fire rated ceilings, UL263 (716.6.2.1)

\_\_\_ 96. Listed fire dampers are required to be installed at all duct penetrations through fire rated ceilings, UL263 (716.6.2.1) ASTM E 119

\_\_\_ 97. Provide combination smoke/fire dampers to isolate ducts serving rated corridors. 716.5.4.1 (CBC)

\_\_\_ 98. Corridors shall have supply and exhaust air inlets and outlets. (601.1.1) 716.5.4.1 (CBC)

\_\_\_ 99. Rooms adjacent to the corridor shall not draw air from the corridor or transfer air to the corridor. (601.1.1)

#### KITCHEN HOODS – TYPE I HOODS

\_\_\_ 100. Provide kitchen layout plans showing location of hoods, ducts, shafts, make up air, openable windows and their area, and the volume of the kitchen. (506.7, 506.9 & 507.1.6)

\_\_\_ 101. Provide roof plans showing the location of the kitchen exhaust blower, property line and any

\_\_\_ 102. Provide make up air. (511.3)

\_\_\_ 103. Show sizes, gauges and materials of all ducts and hoods. (508.1.1 & 511.1.4)

\_\_\_ 104. Specify on the plan the make, model, size, free area and number of filters used. (509.2.4)

\_\_\_ 105. Provide elevations showing finished floor, cooking equipment, grease exhaust hood, distance between cooking equipment and grease filters, overhang, finished ceiling, flushing, fire rated shaft, clearance between duct and shaft, cleanouts, slope of horizontal ducts, roof blower, diverter, distance of outlet termination above roof. In compensating hoods, also show make-up air duct and factory built-in fire damper.

\_\_\_ 106. Each exhaust outlet within a hood shall serve not more than a 12-foot section of hood. (510.3.4.1 & 510.3.4.4)

\_\_\_ 107. Duct system shall have a slope not less than 1/4 inch per lineal foot toward the hood or toward an approved grease reservoir. When horizontal ducts exceed 75 feet in length, the slope shall not be less than 1 inch per lineal foot. (510.1.4) Factory Duct Enclosure (507.2.3)

\_\_\_ 108. Duct enclosures from the point of ceiling, wall or floor penetration shall be at least one hour, except it shall be two-hour fire resistive construction in Type I & II buildings. (510.7.1.1) Factory Duct Enclosure (507.2.3)

\_\_\_ 109. Field-applied and factory built grease duct enclosures shall be listed in accordance with U.L. Standard 2221 and have ICC report approval. A listed 2 layer factory wrap grease duct enclosure system only is allowed. (507.2.3)

\_\_\_ 110. The duct enclosure shall be sealed around the duct at the point of penetration. (507.7.1.1)

\_\_\_ 111. A clearance of at least 3 inches and not more than 12 inches shall be maintained between duct and enclosure. (507.6 & 510.7.1.1)

\_\_\_ 112. Provide product literature for the grease exhaust blower and the make-up fan, showing cfm, static pressures, and, if required, listing by a nationally recognized testing and listing agency.

\_\_\_ 113. Provide product literature for compensating and/or ventless hoods. The equipment shall be listed by a nationally recognized testing and listing agency. (516.0)

\_\_\_ 114. Provide product literature for the filters showing the size, free area and friction loss. (509)

\_\_\_ 115. Provide calculations for sizing exhaust fans and make-up air units. Calculations shall show that the fan is capable of providing the minimum required volume or air. (508.4, 511.2 & 511.3)

\_\_\_ 116. Provide cleanouts per code. (510.3.4.4)

\_\_\_ 117. Air velocity within the duct system shall not exceed 2,500 cft/min. 511.1 (Performance Test 511.2.2)

- \_\_\_ 118. Exposed grease duct/hood systems serving a Type I hood shall have a clearance from unprotected combustible construction of at least 18 inches. Clearance may be reduced to not less than 3 inches when the combustible construction is protected with material required for one-hour fire-resistive construction (508.4)
- \_\_\_ 119. Hoods less than 12 inches from the ceiling or wall shall be flashed solidly with materials as specified in Sec. 508.2. (507.10, 508.4 & 508.4.1)
- \_\_\_ 120. Exhaust outlets serving grease duct systems shall be 40 inches above roof surface, 10 feet from property line, 10 feet from air intake openings and 10 feet above adjoining grade. (510.8.2)
- \_\_\_ 121. A grease gutter shall drain to a receptacle accessible for cleaning. (509.2.5)
- \_\_\_ 122. Type I Hoods for use over solid-fuel cooking equipment shall be provided with separate exhaust system. (517.3.1)
- \_\_\_ 123. The exhaust and make-up air systems shall be connected by electrical interlock switches. (503.1 & 517.6.2)
- \_\_\_ 124. Provide clearance from the Ventura County Health Department.
- \_\_\_ 125. Provide clearance from the Ventura County Fire Department.

REFRIGERATION – MACHINERY ROOM

- \_\_\_ 126. A 3 foot wide and 6 foot 8 inch high clearance shall be provided around at least two sides of all moving machinery (1107.2 CBC)
- \_\_\_ 127. Door(s) shall swing in the direction of exit. (1007 CBC) (1008.1.2 CMC)
- \_\_\_ 128. Provide two separate exits. (1015.4 & 1107.3 CBC)
- \_\_\_ 129. Provide calculation showing that the capacity of the exhaust system complies with the section. (1107.2 CBC)
- \_\_\_ 130. A switch of the break-glass type, controlling the emergency purge ventilation system, shall be provided adjacent to and outside of the exit door. (1108.5 CBC)
- \_\_\_ 131. A switch controlling fans providing ventilation shall be in glass covered enclosure and shall be located adjacent to and outside of the exit door. (1108.6 CBC)
- \_\_\_ 132. Show make-up air inlets and exhaust outlets on the plan. (1108.1 and 1108.2)
- \_\_\_ 133. Make-up air shall be from outside of the building and shall be equipped with a back draft damper. (1108.1 & 1108.9)
- \_\_\_ 134. Exhaust shall be discharged at least 20 feet from the property line. Show this on the plans. (1108.7)
- \_\_\_ 135. Only equipment essential to the operation of the refrigeration system shall be allowed in the machinery room. (1109.4 & 1109.8)

- \_\_\_ 136. Show on plans the make, model, HP, cfm & static pressure rating of all fans. (1108.8)
- \_\_\_ 137. Provide product literature for all fans used showing their cfm & static pressure rating.
- \_\_\_ 138. State type of refrigerant (1102.1 and 1102.8)
- \_\_\_ 139. Show location of refrigerant-vapor detectors and vapor alarms (1107.4)

GAS PIPING

- \_\_\_ 140. State type(s) of gas pipe materials proposed. (1309 & 1309.1.2)
- \_\_\_ 141. Show gas piping system and pipe size on plumbing floor plans. Show length, size of all gas piping. (1309.4.1 and 1317.0)
- \_\_\_ 142. Show appliance BTU and CFT/Hour at each outlet. (Use 1000 BTU/HR when calculating appliance's CFT/HR gas demand, per the Gas Company) (1309.4.2)
- \_\_\_ 143. Gas piping system design submitted requires California licensed mechanical engineer design and calculations. (1309.4.3)(1)(2)(3)

BOILERS

- \_\_\_ 144. Show method of providing combustion air. (701.5, 701.6, 701.9 & 802.6.1)
- \_\_\_ 145. Show detail of water heater vent to atmosphere (802.6.1.)
- \_\_\_ 146. Note on plans, water heater vent shall terminate 8', minimum, from vertical wall or similar obstruction. (802.6.2(1))
- \_\_\_ 147. Show temperature and pressure relief valves piped to discharge to an approved receptor connected to the building waste system. (1006.0)
- \_\_\_ 148. State on plans that boiler must be listed by nationally recognized test laboratory. (Chapter 10, Sec. 302.1 & 303.1)
- \_\_\_ 149. To meet combustion air requirements, provide detail of combustion vent, size, material, etc. (CMC 701.1)

GARAGE VENTILATION

- \_\_\_ 150. Provide calculations showing that the exhaust fan is capable of uniformly exhausting 1.5 cfm per square foot of gross floor area (406.4.1 CBC)
- \_\_\_ 151. A variance is required to size the garage ventilation system based on .75 cfm per sq. ft. Table A-4 CMC.
- \_\_\_ 152. Provide make-up air. (505.3)
- \_\_\_ 153. Show the termination of the garage exhaust. Exhaust outlet shall terminate not less than 10 feet from property line, 3 feet from exterior wall or roof, 10 feet from openings into the building, 10 feet above adjoining grade. (506.9.2)

\_\_\_ 154. Provide combination fire/smoke dampers where the garage exhaust ducts penetrate the fire rated shaft. (606.1, 606.2 & 716 CBC)

\_\_\_ 155. Provide combination fire/smoke dampers where the make up air ducts penetrate a fire rated shaft. (606.3, 606.5 & 716 CBC)

\_\_\_ 156. Do not connect any other ventilation system to the garage ventilation system (505.1)

\_\_\_ 157. Ducts shall be made out of metal or poured in concrete, dry wall is not acceptable (602.1) [NFPA 255] (UL 723)

**CHAPTER 12 HYDRONICS**

\_\_\_ 158. Steam and water piping systems that are part of a heating or cooling system shall comply with the following requirements:

- a. **1201.1** Those portions of piping systems in which the pressure exceeds 160 psig (1,103 kPa) or the temperature exceeds 250°F (121°C) shall comply with nationally recognized standards and the requirements of Section 1201.2

- b. **1201.2** Those portions of piping systems in which the pressure does not exceed 160 psig (1,103 kPa) and the temperature does not exceed 250°F (121°C) shall comply with the section 1201.2.1.1 through 1202.2.1.14:

\_\_\_ 159. **1201.2.1.8 Insulation** Coverings and insulation used for hot water pipes shall be of material suitable for the operating temperature of the system. The insulation, jackets, and lap-seal adhesives, including pipe coverings and linings, shall have a flame spread index not greater than twenty-five (25) and a smoke-developed index not greater than fifty (50) when tested in accordance with NFPA 255, *Method of Test of Burning Characteristics of Building Materials*.

Additional Comments and Corrections: \_\_\_\_\_

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Plans checked for compliance with the applicable codes by: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

MAIN OFFICE, L#1720  
 800 South Victoria Avenue, Ventura, CA 93009 (805) 654-2771 Fax: (805) 648-9212

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