WARNING
• Failure to complete items below prior to inspection may result in a re-inspection fee.

APPLICATION
• A plumbing permit is required for all boiler installation and replacements. A final inspection is required after all work has been completed.

INSPECTION
Frequently missed/inspection failure
☐ Gas connector shall be sized for load/demand of the boiler, the connector shall not exceed 3’ feet in length, and the existing old connector shall not be reused when replacing the boiler. DO NOT REMOVE SIZING LABEL FROM CONNECTOR, INSPECTOR MUST VERIFY. CPC 608.5
☐ Each boiler shall bear the label of an approved testing agency and such equipment shall have been listed and tested for its use. CPC 506.2
☐ Water heaters used for hydronic heating shall be listed for such use. CMC 1201
☐ Combustion air per CPC 507.0
☐ Clearances per manufacturer. CPC 505.3.1
☐ Water Heaters and boilers are prohibited in bedrooms CPC 505.1
☐ Expansion tank required for all boiler systems. Tanks shall be adequately sized and supported. CMC 1006.1
☐ Safety relief valve discharge within 18” of ground. CMC 1007
☐ Boilers shall be installed with the clearances from combustibles specified by the manufacturer’s installation specifications and listing. CPC 505.3.1
☐ Boilers require two seismic straps; one located within the top 1/3 of the water heater and one at the bottom 1/3. The bottom strap shall be located at least 4” away from the heater controls. See attachment figure 5-8. CPC 508.2
☐ Temperature pressure valve shall be drained to the exterior and terminate toward the ground or flood level of the area receiving the discharge and pointing downwards not more than 24” nor less than 6” above the ground. The diameter of the valve opening shall be ¾” and must be maintained to the termination of the drain. Discharge from a relief valve into a water heater pan shall be prohibited. CPC 608.5, 508.5
☐ Bond hot water pipe to cold water pipe to gas pipe with number 6 copper wire and approved clamps. NEC 250.4 Paragraphs 4. Gas piping shall not be used as a grounding electrode. CEC 250.52 (B)/(1) CEC 250.104 (B)
If located in an attic or furred space (i.e. closet) where leaking could cause damage to underlying wood framing, the boiler must be set in a pan constructed of water tight corrosion resistant material. The pan must be fitted with a minimum ¾” drain that drains to the exterior of the building at an approved location. The T/P line is not allowed to terminate at this pan or connected to it. CPC 508.4,5

Commercial Requirements: Gas fired boilers over 400,000 BTU require 1-hour rated room, two exits required when room over 500 sq. ft. and one exit in R-3. CPC 1007.7.1, 1020.1

Gas line air test required when any modifications are made to gas line piping, excluding gas connector. If applicable see “Whole House Gas Test” for testing guidelines. CPC 1214.5