



General Assembly

February Session, 2008

**Raised Bill No. 5762**

LCO No. 2352

\*02352\_\_\_\_\_GL\_\*

Referred to Committee on General Law

Introduced by:  
(GL)

***AN ACT CONCERNING THE DEFINITION OF PROCESS PIPING.***

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. Section 20-330 of the 2008 supplement to the general  
2 statutes is repealed and the following is substituted in lieu thereof  
3 (*Effective from passage*):

4 As used in this chapter:

5 (1) "Contractor" means any person regularly offering to the general  
6 public services of such person or such person's employees in the field  
7 of electrical work, plumbing and piping work, solar work, heating,  
8 piping, cooling and sheet metal work, fire protection sprinkler systems  
9 work, elevator installation, repair and maintenance work, irrigation  
10 work, automotive glass work or flat glass work, as defined in this  
11 section;

12 (2) "Electrical work" means the installation, erection, maintenance,  
13 alteration or repair of any wire, cable, conduit, busway, raceway,  
14 support, insulator, conductor, appliance, apparatus, fixture or  
15 equipment that generates, transforms, transmits or uses electrical

16 energy for light, heat, power or other purposes, but does not include  
17 low voltage wiring, not exceeding twenty-four volts, used within a  
18 lawn sprinkler system;

19 (3) "Plumbing and piping work" means the installation, repair,  
20 replacement, alteration or maintenance of gas, water and associated  
21 fixtures, laboratory equipment, sanitary equipment, other than  
22 subsurface sewage disposal systems, fire prevention apparatus, all  
23 water systems for human usage, sewage treatment facilities and all  
24 associated fittings within a building and includes lateral storm and  
25 sanitary lines from buildings to the mains, process piping, swimming  
26 pools and pumping equipment, and includes making connections to  
27 back flow prevention devices, and includes low voltage wiring, not  
28 exceeding twenty-four volts, used within a lawn sprinkler system, but  
29 does not include (A) solar work, except for the repair of those portions  
30 of a solar hot water heating system that include the basic domestic hot  
31 water tank and the tie-in to the potable water system, (B) the  
32 installation, repair, replacement, alteration or maintenance of fire  
33 prevention apparatus within a structure, except for standpipes that are  
34 not connected to sprinkler systems, and (C) medical gas and vacuum  
35 systems work. For the purposes of this subdivision, "process piping"  
36 means: [piping] (1) Piping or tubing [that conveys liquid or gas that is]  
37 within the scope of the American Society of Mechanical Engineers  
38 B31.3 Process Piping Code for all fluids, including, but not limited to,  
39 raw, intermediate and finished chemicals, petroleum products, gas,  
40 steam, air and water, fluidized solids, refrigerants, and cryogenic  
41 fluids used directly in the production [of a chemical] process or used  
42 to produce a product for human consumption, and (2) piping or tubing  
43 that connects pieces or stages within a packaged equipment assembly.  
44 Nothing in this subdivision shall be construed to eliminate any  
45 exemptions contained in section 20-340;

46 (4) "Solar thermal work" means the installation, erection, repair,  
47 replacement, alteration, or maintenance of active, passive and hybrid  
48 solar systems that directly convert ambient energy into heat or convey,

49 store or distribute such ambient energy;

50 (5) "Heating, piping and cooling work" means (A) the installation,  
51 repair, replacement, maintenance or alteration of any apparatus for  
52 piping, appliances, devices or accessories for heating systems,  
53 including sheet metal work, (B) the installation, repair, replacement,  
54 maintenance or alteration of air conditioning and refrigeration  
55 systems, boilers, including apparatus and piping for the generation or  
56 conveyance of steam and associated pumping equipment and process  
57 piping, and (C) on-site operation, by manipulating, adjusting or  
58 controlling, with sufficient technical knowledge, as determined by the  
59 commissioner, (i) heating systems with a steam or water boiler  
60 maximum operating pressure of fifteen pounds per square inch gauge  
61 or greater, or (ii) air conditioning or refrigeration systems with an  
62 aggregate of more than fifty horsepower or kilowatt equivalency of  
63 fifty horsepower or of two hundred pounds of refrigerant. Heating,  
64 piping and cooling work does not include solar work or medical gas  
65 and vacuum systems work or the passive monitoring of heating, air  
66 conditioning or refrigeration systems. For the purposes of this  
67 subdivision, "process piping" means: [piping] (1) Piping or tubing [that  
68 conveys liquid or gas that is] within the scope of the American Society  
69 of Mechanical Engineers B31.3 Process Piping Code for all fluids,  
70 including, but not limited to, raw, intermediate and finished chemicals,  
71 petroleum products, gas, steam, air and water, fluidized solids,  
72 refrigerants, and cryogenic fluids used directly in the production [of a  
73 chemical] process or used to produce a product for human  
74 consumption, and (2) piping or tubing that connects pieces or stages  
75 within a packaged equipment assembly. Nothing in this subdivision  
76 shall be construed to eliminate any exemptions contained in section 20-  
77 340;

78 (6) "Apprentice" means any person registered with the Labor  
79 Department for the purpose of learning a skilled trade;

80 (7) "Elevator installation, repair and maintenance work" means the

81 installation, erection, maintenance and repair of all types of elevators,  
82 dumb waiters, escalators, and moving walks and all mechanical  
83 equipment, fittings, associated piping and wiring from a source of  
84 supply brought to the equipment room by an unlimited electrical  
85 contractor for all types of machines used to hoist or convey persons or  
86 materials, but does not include temporary hoisting machines used for  
87 hoisting materials in connection with any construction job or project;

88 (8) "Elevator maintenance" means the lubrication, inspection and  
89 replacement of controls, hoistway and car parts;

90 (9) "Fire protection sprinkler systems work" means the layout, on-  
91 site fabrication, installation, alteration, maintenance or repair of any  
92 automatic or manual sprinkler system designed for the protection of  
93 the interior or exterior of a building or structure from fire, or any  
94 piping or tubing and appurtenances and equipment pertaining to such  
95 system including overhead and underground water mains, fire  
96 hydrants and hydrant mains, standpipes and hose connections to  
97 sprinkler systems, sprinkler tank heaters excluding electrical wiring,  
98 air lines and thermal systems used in connection with sprinkler and  
99 alarm systems connected thereto, foam extinguishing systems or  
100 special hazard systems including water spray, foam, carbon dioxide or  
101 dry chemical systems, halon and other liquid or gas fire suppression  
102 systems, but does not include (A) any engineering design work  
103 connected with the layout of fire protection sprinkler systems, or (B)  
104 any work performed by employees of or contractors hired by a public  
105 water system, as defined in subsection (a) of section 25-33d;

106 (10) "State Fire Marshal" means the State Fire Marshal or any  
107 member of the Division of State Police to whom the Commissioner of  
108 Public Safety has delegated powers under section 29-291;

109 (11) "Journeyman sprinkler fitter" means a specialized pipe fitter  
110 craftsman, experienced and skilled in the installation, alteration,  
111 maintenance and repair of fire protection sprinkler systems;

112 (12) "Irrigation work" means making the connections to back flow  
113 prevention devices, and low voltage wiring, not exceeding twenty-four  
114 volts, used within a lawn sprinkler system;

115 (13) "Sheet metal work" means the installation, erection,  
116 replacement, repair or alteration of duct work systems, both ferrous  
117 and nonferrous;

118 (14) "Journeyman sheet metal worker" means an experienced  
119 craftsman skilled in the installation, erection, replacement, repair or  
120 alteration of duct work systems, both ferrous and nonferrous;

121 (15) "Automotive glass work" means installing, maintaining or  
122 repairing fixed glass in motor vehicles;

123 (16) "Flat glass work" means installing, maintaining or repairing  
124 glass in residential or commercial structures;

125 (17) "Medical gas and vacuum systems work" means the work and  
126 practice, materials, instrumentation and fixtures used in the  
127 construction, installation, alteration, extension, removal, repair,  
128 maintenance or renovation of gas and vacuum systems and equipment  
129 used solely to transport gases for medical purposes and to remove  
130 liquids, air-gases or solids from such systems;

131 (18) "Solar electricity work" means the installation, erection, repair,  
132 replacement, alteration, or maintenance of photovoltaic or wind  
133 generation equipment used to distribute or store ambient energy for  
134 heat, light, power or other purposes to a point immediately inside any  
135 structure or adjacent to an end use;

136 (19) "Active solar system" means a system that uses an external  
137 source of energy to power a motor-driven fan or pump to force the  
138 circulation of a fluid through solar heat collectors and which removes  
139 the sun's heat from the collectors and transports such heat to a location  
140 where it may be used or stored;

141 (20) "Passive solar system" means a system that is capable of  
142 collecting or storing the sun's energy as heat without the use of a  
143 motor-driven fan or pump;

144 (21) "Hybrid solar system" means a system that contains  
145 components of both an active solar system and a passive solar system;  
146 and

147 (22) "Gas hearth product work" means the installation, service or  
148 repair of a propane or natural gas fired fireplace, fireplace insert, stove  
149 or log set and associated venting and piping that simulates a flame of a  
150 solid fuel fire. "Gas hearth product work" does not include (A) fuel  
151 piping work, (B) the servicing of fuel piping, or (C) work associated  
152 with pressure regulating devices, except for appliances gas valves.

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>from passage</i>	20-330

**Statement of Purpose:**

To define process piping as specified in the ASME B-31.3 Process Piping Code, to ensure the safety of piping installations in manufacturing and production plants and terminals, and to continue maintenance work employee exemptions for employees at certain plants and terminals.

*[Proposed deletions are enclosed in brackets. Proposed additions are indicated by underline, except that when the entire text of a bill or resolution or a section of a bill or resolution is new, it is not underlined.]*