



General Assembly

Substitute Bill No. 5505

February Session, 2002

**AN ACT ENSURING THE PROPER INSTALLATION AND
MAINTENANCE OF MEDICAL GAS AND VACUUM SYSTEMS.**

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

1 Section 1. Section 20-330 of the general statutes is repealed and the
2 following is substituted in lieu thereof (*Effective July 1, 2002*):

3 As used in this chapter:

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

11 (2) "Electrical work" means the installation, erection, maintenance,
12 alteration or repair of any wire, cable, conduit, busway, raceway,
13 support, insulator, conductor, appliance, apparatus, fixture or
14 equipment that generates, transforms, transmits or uses electrical
15 energy for light, heat, power or other purposes, but does not include
16 low voltage wiring, not exceeding twenty-four volts, used within a
17 lawn sprinkler system;

18 (3) "Plumbing and piping work" means the installation, repair,

19 replacement, alteration or maintenance of gas, water and associated
20 fixtures, laboratory equipment, sanitary equipment, other than
21 subsurface sewage disposal systems, fire prevention apparatus, all
22 water systems for human usage, sewage treatment facilities and all
23 associated fittings within a building and includes lateral storm and
24 sanitary lines from buildings to the mains, swimming pools and
25 pumping equipment, and includes making connections to back flow
26 prevention devices, and includes low voltage wiring, not exceeding
27 twenty-four volts, used within a lawn sprinkler system, but does not
28 include (A) solar work, except for the repair of those portions of a solar
29 hot water heating system that include the basic domestic hot water
30 tank and the tie-in to the potable water system, [and] (B) the
31 installation, repair, replacement, alteration or maintenance of fire
32 prevention apparatus within a structure, except for standpipes that are
33 not connected to sprinkler systems, and (C) medical gas and vacuum
34 systems work;

35 (4) "Solar work" means the installation, repair, replacement,
36 alteration or maintenance of an active, passive or hybrid solar hot
37 water heating system;

38 (5) "Heating, piping and cooling work" means (A) the installation,
39 repair, replacement, maintenance or alteration of any apparatus for
40 piping, appliances, devices or accessories for heating systems,
41 including sheet metal work, and (B) the installation, repair,
42 replacement, maintenance or alteration of air conditioning and
43 refrigeration systems, boilers, including apparatus and piping for the
44 generation or conveyance of steam and associated pumping
45 equipment. Heating, piping and cooling work does not include solar
46 work or medical gas and vacuum systems;

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

49 (7) "Elevator installation, repair and maintenance work" means the
50 installation, erection, maintenance and repair of all types of elevators,

51 dumb waiters, escalators, and moving walks and all mechanical
52 equipment, fittings, associated piping and wiring from a source of
53 supply brought to the equipment room by an unlimited electrical
54 contractor for all types of machines used to hoist or convey persons or
55 materials, but does not include temporary hoisting machines used for
56 hoisting materials in connection with any construction job or project;

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

59 (9) "Fire protection sprinkler systems work" means the layout, on-
60 site fabrication, installation, alteration or repair of any automatic or
61 manual sprinkler system designed for the protection of the interior or
62 exterior of a building or structure from fire, or any piping or tubing
63 and appurtenances and equipment pertaining to such system
64 including overhead and underground water mains, fire hydrants and
65 hydrant mains, standpipes and hose connections to sprinkler systems,
66 sprinkler tank heaters excluding electrical wiring, air lines and thermal
67 systems used in connection with sprinkler and alarm systems
68 connected thereto, foam extinguishing systems or special hazard
69 systems including water spray, foam, carbon dioxide or dry chemical
70 systems, halon and other liquid or gas fire suppression systems, but
71 does not include (A) any engineering design work connected with the
72 layout of fire protection sprinkler systems, or (B) any work performed
73 by employees of or contractors hired by a public water system, as
74 defined in subsection (a) of section 25-33d;

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

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

81 (12) "Irrigation work" means making the connections to back flow
82 prevention devices, and low voltage wiring, not exceeding twenty-four

83 volts, used within a lawn sprinkler system;

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

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

90 (15) "Automotive glass work" means installing, maintaining or
91 repairing fixed glass in motor vehicles; [and]

92 (16) "Flat glass work" means installing, maintaining or repairing
93 glass in residential or commercial structures; and

94 (17) "Medical gas and vacuum systems work" means the work and
95 practice, materials, instrumentation and fixtures used in the
96 construction, installation, alteration, extension, removal, repair,
97 maintenance or renovation of gas and vacuum systems and equipment
98 used solely to transport gases for medical purposes and to remove
99 liquids, air-gases or solids from such systems.

100 Sec. 2. Section 20-334a of the general statutes is amended by adding
101 subsection (g) as follows (*Effective July 1, 2002*):

102 (NEW) (g) On or after July 1, 2002, a medical gas and vacuum
103 systems certificate for medical gas and vacuum systems work may be
104 issued by the department, upon the authorization of the Plumbing and
105 Piping Work Board or the Heating, Piping and Cooling Work Board, as
106 appropriate, to any person who (1) has been issued a P-1, P-2, S-1, S-2,
107 S-3 or S-4 license under subdivision (1) of subsection (a) of this section,
108 (2) has been certified as a medical gas and vacuum system brazer
109 issued in accordance with the standards of Section IX entitled
110 "Welding and Brazing Qualifications" of the American Society of
111 Mechanical Engineers Boiler and Pressure Vessel Code, and (3) has
112 been certified as having completed an approved training course on

