



General Assembly

February Session, 2014

***Raised Bill No. 374***

LCO No. 2088



Referred to Committee on GENERAL LAW

Introduced by:  
(GL)

***AN ACT ESTABLISHING MILLWRIGHT CONTRACTOR AND  
JOURNEYMAN LICENSES.***

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 Section 20-330 of the general statutes is repealed and the  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 October 1, 2014*):

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, tubing and piping mains and branch lines up to and including  
21 the closest valve to a machine or equipment used in the manufacturing  
22 process, laboratory equipment, sanitary equipment, other than  
23 subsurface sewage disposal systems, fire prevention apparatus, all  
24 water systems for human usage, sewage treatment facilities and all  
25 associated fittings within a building and includes lateral storm and  
26 sanitary lines from buildings to the mains, process piping, swimming  
27 pools and pumping equipment, and includes making connections to  
28 back flow prevention devices, and includes low voltage wiring, not  
29 exceeding twenty-four volts, used within a lawn sprinkler system, but  
30 does not include (A) solar thermal work performed pursuant to a  
31 certificate held as provided in section 20-334g, except for the repair of  
32 those portions of a solar hot water heating system that include the  
33 basic domestic hot water tank and the tie-in to the potable water  
34 system, (B) the installation, repair, replacement, alteration or  
35 maintenance of fire prevention apparatus within a structure, except for  
36 standpipes that are not connected to sprinkler systems, (C) medical gas  
37 and vacuum systems work, and (D) millwright work. For the purposes  
38 of this subdivision, "process piping" means piping or tubing that  
39 conveys liquid or gas that is used directly in the production of a  
40 chemical or a product for human consumption;

41 (4) "Solar thermal work" means the installation, erection, repair,  
42 replacement, alteration, or maintenance of active, passive and hybrid  
43 solar systems that directly convert ambient energy into heat or convey,  
44 store or distribute such ambient energy;

45 (5) "Heating, piping and cooling work" means (A) the installation,

46 repair, replacement, maintenance or alteration of any apparatus for  
47 piping, appliances, devices or accessories for heating systems,  
48 including sheet metal work, (B) the installation, repair, replacement,  
49 maintenance or alteration of air conditioning and refrigeration  
50 systems, boilers, including apparatus and piping for the generation or  
51 conveyance of steam and associated pumping equipment and process  
52 piping and the installation of tubing and piping mains and branch  
53 lines up to and including the closest valve to a machine or equipment  
54 used in the manufacturing process, but excluding millwright work,  
55 and (C) on-site operation, by manipulating, adjusting or controlling,  
56 with sufficient technical knowledge, as determined by the  
57 commissioner, (i) heating systems with a steam or water boiler  
58 maximum operating pressure of fifteen pounds per square inch gauge  
59 or greater, or (ii) air conditioning or refrigeration systems with an  
60 aggregate of more than fifty horsepower or kilowatt equivalency of  
61 fifty horsepower or of two hundred pounds of refrigerant. Heating,  
62 piping and cooling work does not include solar thermal work  
63 performed pursuant to a certificate held as provided in section 20-  
64 334g, or medical gas and vacuum systems work or the passive  
65 monitoring of heating, air conditioning or refrigeration systems. For  
66 the purposes of this subdivision, "process piping" means piping or  
67 tubing that conveys liquid or gas that is used directly in the production  
68 of a chemical or a product for human consumption;

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

71 (7) "Elevator installation, repair and maintenance work" means the  
72 installation, erection, maintenance and repair of all types of elevators,  
73 dumb waiters, escalators, and moving walks and all mechanical  
74 equipment, fittings, associated piping and wiring from a source of  
75 supply brought to the equipment room by an unlimited electrical  
76 contractor for all types of machines used to hoist or convey persons or  
77 materials, but does not include temporary hoisting machines used for  
78 hoisting materials in connection with any construction job or project;

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

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

97 (10) "State Fire Marshal" means the State Fire Marshal appointed by  
98 the Commissioner of Administrative Services;

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

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

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

108 (14) "Journeyman sheet metal worker" means an experienced

109 craftsman skilled in the installation, erection, replacement, repair or  
110 alteration of duct work systems, both ferrous and nonferrous;

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

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

115 (17) "Medical gas and vacuum systems work" means the work and  
116 practice, materials, instrumentation and fixtures used in the  
117 construction, installation, alteration, extension, removal, repair,  
118 maintenance or renovation of gas and vacuum systems and equipment  
119 used solely to transport gases for medical purposes and to remove  
120 liquids, air-gases or solids from such systems;

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

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

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

134 (21) "Hybrid solar system" means a system that contains  
135 components of both an active solar system and a passive solar system;

136 (22) "Gas hearth product work" means the installation, service or  
137 repair of a propane or natural gas fired fireplace, fireplace insert, stove

138 or log set and associated venting and piping that simulates a flame of a  
139 solid fuel fire. "Gas hearth product work" does not include (A) fuel  
140 piping work, (B) the servicing of fuel piping, or (C) work associated  
141 with pressure regulating devices, except for appliances gas valves; and

142 (23) "Millwright work" means the installation, repair, replacement,  
143 maintenance or alteration of (A) power generation machinery, [or] (B)  
144 industrial machinery, including the related interconnection of piping  
145 and tubing used in the manufacturing process, [but] or (C) gas and  
146 steam turbine powertrains. "Millwright work" does not include the  
147 performance of any action for which [licensure] a license other than a  
148 millwright license is required under this chapter.

149 Sec. 2. Section 20-331 of the general statutes is repealed and the  
150 following is substituted in lieu thereof (*Effective October 1, 2014*):

151 (a) There shall be in the Department of Consumer Protection  
152 separate examining boards for each of the following occupations: (1)  
153 Electrical work; (2) plumbing and piping work; (3) heating, piping,  
154 cooling and sheet metal work; (4) elevator installation, repair and  
155 maintenance work; (5) fire protection sprinkler systems work; [and] (6)  
156 automotive glass work and flat glass work; and (7) millwright work.

157 (b) The Electrical Work Board shall consist of twelve members who  
158 shall be residents of this state, one of whom shall be a general  
159 contractor or an unlimited contractor licensed for such occupation  
160 under this chapter, two of whom shall be unlimited contractors  
161 licensed for such occupation under this chapter, neither of whom at  
162 the time of appointment shall be a member or an employee of a  
163 member of a trade union or a party or an employee of a party to a  
164 contract with a trade union, one of whom shall be an electronic  
165 technician licensed under chapter 394, four of whom shall be unlimited  
166 journeymen licensed for such occupation under this chapter, who at  
167 the time of appointment shall be members of a trade union and four of  
168 whom shall be public members.

169 (c) The Heating, Piping, Cooling and Sheet Metal Work Board shall  
170 consist of twelve members who shall be residents of this state and,  
171 except as otherwise provided in this subsection, (1) one of whom shall  
172 be a general contractor or an unlimited contractor licensed to perform  
173 heating, piping and cooling work under this chapter, (2) two of whom  
174 shall be unlimited contractors licensed to perform heating, piping and  
175 cooling work under this chapter, neither of whom at the time of  
176 appointment shall be a member or an employee of a member of a trade  
177 union or a party or an employee of a party to a contract with a trade  
178 union, (3) one of whom shall be a limited contractor licensed to  
179 perform sheet metal work under this chapter, provided such member's  
180 powers and duties on the board shall be limited to matters concerning  
181 sheet metal work, as defined in subdivision (13) of section 20-330, as  
182 amended by this act, (4) three of whom shall be unlimited journeymen  
183 licensed to perform heating, piping and cooling work under this  
184 chapter, who at the time of appointment shall be members of a trade  
185 union, (5) one of whom shall be a journeyman sheet metal worker,  
186 who at the time of appointment shall be a member of a trade union,  
187 provided such member's powers and duties shall be limited to matters  
188 concerning sheet metal work, as defined in subdivision (13) of section  
189 20-330, as amended by this act, and (6) four of whom shall be public  
190 members. Each person who is a member of the board on October 1,  
191 1999, shall continue to serve at the pleasure of the Governor. Only the  
192 members appointed pursuant to subdivisions (1), (3), (5) and (6) of this  
193 subsection may consider and act upon matters concerning sheet metal  
194 work, as defined in subdivision (13) of section 20-330, as amended by  
195 this act.

196 (d) The Plumbing and Piping Work Board shall consist of twelve  
197 members who shall be residents of this state, one of whom shall be a  
198 general contractor or an unlimited contractor licensed for such  
199 occupations under this chapter, two of whom shall be unlimited  
200 contractors licensed for such occupations under this chapter, neither of  
201 whom at the time of appointment shall be a member or an employee of

202 a member of a trade union or a party or an employee of a party to a  
203 contract with a trade union, one of whom shall be a well drilling  
204 contractor licensed pursuant to section 25-129, four of whom shall be  
205 unlimited journeymen licensed for such occupations under this  
206 chapter, who at the time of appointment shall be members of a trade  
207 union, and four of whom shall be public members.

208 (e) The Elevator Installation, Repair and Maintenance Board shall  
209 consist of eight members who shall be residents of this state, three of  
210 whom shall be unlimited contractors, two of whom shall be elevator  
211 craftsmen, licensed for such occupation under this chapter, and three  
212 of whom shall be public members, [provided] except that at least one  
213 of the unlimited contractors shall be a member of either the National  
214 Association of Elevator Contractors or the National Elevator  
215 Industries, Incorporated.

216 (f) The Fire Protection Sprinkler Systems Board shall consist of nine  
217 members who shall be residents of this state, two of whom shall be  
218 journeymen sprinkler fitters, two of whom shall be fire protection  
219 sprinkler contractors, three of whom shall be public members, one of  
220 whom shall be a representative of the State Fire Marshal and one of  
221 whom shall be a local fire marshal.

222 (g) The Automotive Glass Work and Flat Glass Work Board shall  
223 consist of eight members who shall be residents of this state, one of  
224 whom shall be a general contractor or an unlimited contractor licensed  
225 to perform automotive glass work under this chapter, one of whom  
226 shall be a general contractor or an unlimited contractor licensed to  
227 perform flat glass work under this chapter, one of whom shall be an  
228 unlimited contractor licensed to perform automotive glass work under  
229 this chapter, one of whom shall be an unlimited contractor licensed to  
230 perform flat glass work under this chapter, one of whom shall be an  
231 unlimited journeyman licensed to perform flat glass work under this  
232 chapter and three of whom shall be public members. The initial  
233 members appointed under this subsection need not be licensed to

234 perform such work under this chapter before January 1, 2001, provided  
235 such initial members shall satisfy the applicable criteria set forth in  
236 subsection (e) of section 20-334a. On and after January 1, 2001, each  
237 member appointed under this subsection shall be licensed as provided  
238 in this subsection.

239 (h) The Millwright Work Board shall consist of nine members who  
240 shall be residents of this state, three of whom shall be representatives  
241 of industrial-trades management, three of whom shall be millwright  
242 journeymen who are members of a millwright labor organization, and  
243 three of whom shall be public members, except that (1) at least two of  
244 the representatives of industrial-trades management shall be members  
245 of the Connecticut Construction Industries Association, and (2) two of  
246 the public members, at the time of their appointment, shall not be  
247 members or employees of a member of a trade union or a party or an  
248 employee of a party to a contract with a trade union.

249 [(h)] (i) The contractor, [and] journeymen, [or] elevator craftsmen  
250 members and industrial-trades management representatives of each  
251 board established under this section shall be appointed by the  
252 Governor from a list of names submitted by employers' and  
253 employees' associations in the respective occupations. The Governor  
254 may fill any vacancy occurring in the membership of any such board,  
255 may remove any member for cause, after notice and hearing, and shall  
256 remove any licensed member whose license is not renewed or whose  
257 license has become void, revoked or suspended. Each member of such  
258 boards shall, before entering upon the duties of such member's office,  
259 take the oath provided by law for public officers. Members shall not be  
260 compensated for their services but shall be reimbursed for necessary  
261 expenses incurred in the performance of their duties.

262 Sec. 3. Section 20-340 of the general statutes is repealed and the  
263 following is substituted in lieu thereof (*Effective October 1, 2014*):

264 The provisions of this chapter shall not apply to: (1) Persons

265 employed by any federal, state or municipal agency; (2) employees of  
266 any public service company regulated by the Public Utilities  
267 Regulatory Authority or of any corporate affiliate of any such  
268 company when the work performed by such affiliate is on behalf of a  
269 public service company, but in either case only if the work performed  
270 is in connection with the rendition of public utility service, including  
271 the installation or maintenance of wire for community antenna  
272 television service, or is in connection with the installation or  
273 maintenance of wire or telephone sets for single-line telephone service  
274 located inside the premises of a consumer; (3) employees of any  
275 municipal corporation specially chartered by this state; (4) employees  
276 of any contractor while such contractor is performing electrical-line or  
277 emergency work for any public service company; (5) persons engaged  
278 in the installation, maintenance, repair and service of electrical or other  
279 appliances of a size customarily used for domestic use where such  
280 installation commences at an outlet receptacle or connection  
281 previously installed by persons licensed to do the same and  
282 maintenance, repair and service is confined to the appliance itself and  
283 its internal operation; (6) employees of industrial firms whose main  
284 duties concern the maintenance of the electrical work, plumbing and  
285 piping work, solar thermal work, heating, piping, cooling work, sheet  
286 metal work, elevator installation, repair and maintenance work,  
287 automotive glass work or flat glass work or millwright work of such  
288 firm on its own premises or on premises leased by it for its own use;  
289 (7) employees of industrial firms when such employees' main duties  
290 concern the fabrication of glass products or electrical, plumbing and  
291 piping, fire protection sprinkler systems, solar, heating, piping,  
292 cooling, chemical piping, sheet metal or elevator installation, repair  
293 and maintenance equipment used in the production of goods sold by  
294 industrial firms, except for products, electrical, plumbing and piping  
295 systems and repair and maintenance equipment or millwright work  
296 used directly in the production of a product for human consumption;  
297 (8) persons performing work necessary to the manufacture or repair of  
298 any apparatus, appliances, fixtures, equipment or devices produced by

299 it for sale or lease; (9) employees of stage and theatrical companies  
300 performing the operation, installation and maintenance of electrical  
301 equipment if such installation commences at an outlet receptacle or  
302 connection previously installed by persons licensed to make such  
303 installation; (10) employees of carnivals, circuses or similar transient  
304 amusement shows who install electrical work, provided such  
305 installation shall be subject to the approval of the State Fire Marshal  
306 prior to use as otherwise provided by law and shall comply with  
307 applicable municipal ordinances and regulations; (11) persons engaged  
308 in the installation, maintenance, repair and service of glass or electrical,  
309 plumbing, fire protection sprinkler systems, solar, heating, piping,  
310 cooling and sheet metal equipment in and about single-family  
311 residences owned and occupied or to be occupied by such persons;  
312 provided any such installation, maintenance and repair shall be subject  
313 to inspection and approval by the building official of the municipality  
314 in which such residence is located and shall conform to the  
315 requirements of the State Building Code; (12) persons who install,  
316 maintain or repair glass in a motor vehicle owned or leased by such  
317 persons; (13) persons or entities holding themselves out to be retail  
318 sellers of glass products, but not such persons or entities that also  
319 engage in automotive glass work or flat glass work; (14) persons who  
320 install preglazed or preassembled windows or doors in residential or  
321 commercial buildings; (15) persons registered under chapter 400 who  
322 install safety-backed mirror products or repair or replace flat glass in  
323 sizes not greater than thirty square feet in residential buildings; (16)  
324 sheet metal work performed in residential buildings consisting of six  
325 units or less by new home construction contractors registered pursuant  
326 to chapter 399a, by home improvement contractors registered pursuant  
327 to chapter 400 or by persons licensed pursuant to this chapter, when  
328 such work is limited to exhaust systems installed for hoods and fans in  
329 kitchens and baths, clothes dryer exhaust systems, radon vent systems,  
330 fireplaces, fireplace flues, masonry chimneys or prefabricated metal  
331 chimneys rated by Underwriters Laboratories or installation of stand-  
332 alone appliances including wood, pellet or other stand-alone stoves

333 that are installed in residential buildings by such contractors or  
334 persons; (17) employees of or any contractor employed by and under  
335 the direction of a properly licensed solar contractor, performing work  
336 limited to the hoisting, placement and anchoring of solar collectors,  
337 photovoltaic panels, towers or turbines; and (18) persons performing  
338 swimming pool maintenance and repair work authorized pursuant to  
339 section 20-417aa.

340 Sec. 4. (NEW) (*Effective October 1, 2014*) The Commissioner of  
341 Consumer Protection shall adopt regulations, in accordance with the  
342 provisions of chapter 54 of the general statutes, to implement the  
343 provisions of sections 20-330, 20-331 and 20-340 of the general statutes,  
344 as amended by this act, with respect to millwright contractor and  
345 journeyman licenses. Such regulations shall establish the amount and  
346 type of experience, training, continuing education and examination  
347 requirements for a person to obtain or renew a millwright contractor  
348 or journeyman license.

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>October 1, 2014</i>	20-330
Sec. 2	<i>October 1, 2014</i>	20-331
Sec. 3	<i>October 1, 2014</i>	20-340
Sec. 4	<i>October 1, 2014</i>	New section

**Statement of Purpose:**

To establish millwright contractor and journeyman licenses.

*[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.]*