

## VIRGINIA ACTS OF ASSEMBLY — CHAPTER

*An Act to amend and reenact §§ 54.1-402, 54.1-404, and 54.1-406 of the Code of Virginia, relating to the Board for Architects, Professional Engineers, Land Surveyors, Certified Interior Designers and Landscape Architects; land surveying.*

[H 2863]

Approved

**Be it enacted by the General Assembly of Virginia:**

**1. That §§ 54.1-402, 54.1-404, and 54.1-406 of the Code of Virginia are amended and reenacted as follows:**

§ 54.1-402. Further exemptions from license requirements for architects, professional engineers, and land surveyors.

A. No license as an architect or professional engineer shall be required pursuant to § 54.1-406 for persons who prepare plans, specifications, documents and designs for the following, provided any such plans, specifications, documents or designs bear the name and address of the author and his occupation:

1. Single- and two-family homes, townhouses and ~~multi-family~~ multifamily dwellings, excluding electrical and mechanical systems, not exceeding three stories; or

2. All farm structures used primarily in the production, handling or storage of agricultural products or implements, including, but not limited to, structures used for the handling, processing, housing or storage of crops, feeds, supplies, equipment, animals or poultry; or

3. Buildings and structures classified with respect to use as business (Use Group B) and mercantile (Use Group M), as provided in the Uniform Statewide Building Code and churches with an occupant load of 100 or less, excluding electrical and mechanical systems, where such building or structure does not exceed 5,000 square feet in total net floor area, or three stories; or

4. Buildings and structures classified with respect to use as factory and industrial (Use Group F) and storage (Use Group S) as provided in the Uniform Statewide Building Code, excluding electrical and mechanical systems, where such building or structure does not exceed 15,000 square feet in total net floor area, or three stories; or

5. Additions, remodeling or interior design without a change in occupancy or occupancy load and without modification to the structural system or a change in access or exit patterns or increase in fire hazard; or

6. Electric installations which comply with all applicable codes and which do not exceed 600 volts and 800 amps, where work is designed and performed under the direct supervision of a person licensed as a master's level electrician or Class A electrical contractor by written examination, and where such installation is not contained in any structure exceeding three stories or located in any of the following categories:

a. Use Group A-1 theaters which exceed assembly of 100 persons;

b. Use Group A-4 except churches;

c. Use Group I, institutional buildings, except day care nurseries and clinics without life-support systems; or

7. Plumbing and mechanical systems using packaged mechanical equipment, such as equipment of catalogued standard design which has been coordinated and tested by the manufacturer, which comply with all applicable codes. These mechanical systems shall not exceed gauge pressures of 125 pounds per square inch, other than refrigeration, or temperatures other than flue gas of 300/d F (150 degrees C) where such work is designed and performed under the direct supervision of a person licensed as a master's level plumber, master's level heating, air conditioning and ventilating worker, or Class A contractor in those specialties by written examination. In addition, such installation may not be contained in any structure exceeding three stories or located in any structure which is defined as to its use in any of the following categories:

a. Use Group A-1 theaters which exceed assembly of 100 persons;

b. Use Group A-4 except churches;

c. Use Group I, institutional buildings, except day care nurseries and clinics without life-support systems; or

8. The preparation of shop drawings, field drawings and specifications for components by a contractor who will supervise the installation and where the shop drawings and specifications (i) will be reviewed by the licensed professional engineer or architect responsible for the project or (ii) are otherwise exempted; or

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9. Buildings, structures, or electrical and mechanical installations which are not otherwise exempted but which are of standard design, provided they bear the certification of a professional engineer or architect registered or licensed in another state, and provided that the design is adapted for the specific location and for conformity with local codes, ordinances and regulations, and is so certified by a professional engineer or architect licensed in Virginia; or

10. Construction by a state agency or political subdivision not exceeding \$75,000 in value keyed to the January 1, 1991, Consumer Price Index (CPI) and not otherwise requiring a licensed architect, engineer, or land surveyor by an adopted code and maintenance by that state agency or political subdivision of water distribution, sewage collection, storm drainage systems, sidewalks, streets, curbs, gutters, culverts, and other facilities normally and customarily constructed and maintained by the public works department of the state agency or political subdivision.

B. No person shall be exempt from licensure as an architect or engineer who engages in the preparation of plans, specifications, documents or designs for:

1. Any unique design of structural elements for floors, walls, roofs or foundations; or

2. Any building or structure classified with respect to its use as high hazard (Use Group H).

C. *Persons utilizing photogrammetric methods or similar remote sensing technology shall not be required to be licensed as a land surveyor pursuant to subsection B of § 54.1-404 or § 54.1-406 to: (i) determine topography or contours, or to depict physical improvements, provided such maps or other documents shall not be used for the design, modification, or construction of improvements to real property or for flood plain determination, or (ii) graphically show existing property lines and boundaries on maps or other documents provided such depicted property lines and boundaries shall only be used for general information.*

*Any determination of topography or contours, or depiction of physical improvements, utilizing photogrammetric methods or similar remote sensing technology by persons not licensed as a land surveyor pursuant to § 54.1-406 shall not show any property monumentation or property metes and bounds, nor provide any measurement showing the relationship of any physical improvements to any property line or boundary.*

*Any person not licensed pursuant to subsection B of § 54.1-404 or § 54.1-406 preparing documentation pursuant to subsection C of § 54.1-402 shall note the following on such documentation: "Any determination of topography or contours, or any depiction of physical improvements, property lines or boundaries is for general information only and shall not be used for the design, modification, or construction of improvements to real property or for flood plain determination."*

D. Terms used in this section, and not otherwise defined in this chapter, shall have the meanings provided in the Uniform Statewide Building Code in effect on July 1, 1982, including any subsequent amendments.

§ 54.1-404. Regulations; code of professional practice and conduct.

A. The Board shall promulgate regulations not inconsistent with this chapter governing its own organization, the professional qualifications of applicants, the requirements necessary for passing examinations in whole or in part, the proper conduct of its examinations, the implementation of exemptions from license requirements, and the proper discharge of its duties.

B. *The Board may impose different licensure requirements for a limited area of the practice of land surveying for persons who determine topography, contours, or depiction of physical improvements utilizing photogrammetric methods or similar remote sensing technology who are not otherwise exempt pursuant to subsection C of § 54.1-402. Any such requirements shall include reasonable provisions for licensure without examination of persons deemed by the Board to be qualified to provide photogrammetric and remote sensing surveying services.*

*Any license issued pursuant to this subsection shall be distinctive, reflecting the limited area of the practice of land surveying so authorized, and considered as a land surveyor and the practice of land surveying for the purposes of §§ 13.1-549, 13.1-1111, 54.1-402, 54.1-405, 54.1-406 and 54.1-411. Nothing herein shall be construed to authorize a person issued a limited license pursuant to this subsection to practice beyond such limited area of practice. The establishment of any such limited license shall not prohibit any duly qualified land surveyor licensed pursuant to § 54.1-400 from engaging in any such limited area of practice.*

C. The regulations may include a code of professional practice and conduct, the provisions of which shall serve any or all of the following purposes:

1. The protection of the public health, safety and welfare;

2. The maintenance of standards of objectivity, truthfulness and reliability in public statements by professionals;

3. The avoidance by professionals of conflicts of interests;

4. The prohibition of solicitation or acceptance of work by professionals on any basis other than their qualifications for the work offered;

119 5. The restriction by the professional in the conduct of his professional activity from association with  
120 any person engaging in illegal or dishonest activities; or

121 6. The limitation of professional service to the area of competence of each professional.

122 § 54.1-406. License required.

123 A. Unless exempted by §§ 54.1-401, 54.1-402, or § 54.1-402.1, a person shall hold a valid license  
124 prior to engaging in the practice of architecture or engineering which includes design, consultation,  
125 evaluation or analysis and involves proposed or existing improvements to real property.

126 Unless exempted by § 54.1-401, 54.1-402, or § 54.1-402.1, a person shall hold a valid license prior  
127 to engaging in the practice of land surveying.

128 B. Unless exempted by § 54.1-402, any person, partnership, corporation or other entity offering to  
129 practice architecture, engineering, or land surveying without being registered or licensed in accordance  
130 with the provisions of this chapter, shall be subject to the provisions of § 54.1-111 of this title.

131 C. Any person, partnership, corporation or other entity which is not licensed or registered to practice  
132 in accordance with this chapter and which advertises or promotes through the use of the words  
133 "architecture," "engineering" or "land surveying" or any modification or derivative thereof in its name or  
134 description of its business activity in a manner that indicates or implies that it practices or offers to  
135 practice architecture, engineering or land surveying as defined in this chapter shall be subject to the  
136 provisions of § 54.1-111.

137 D. Notwithstanding these provisions, any state agency or political subdivision of the Commonwealth  
138 unable to employ a qualified licensed engineer, architect, or land surveyor to fill a responsible charge  
139 position, after reasonable and unsuccessful search, may fill the position with an unlicensed person upon  
140 the determination by the chief administrative officer of the agency or political subdivision that the  
141 person, by virtue of education, experience, and expertise, can perform the work required of the position.

142 E. Through June 30, 2002, any full-time, salaried employee of the Commonwealth or any political  
143 subdivision of the Commonwealth on June 30, 1992, who has graduated from an engineering,  
144 engineering technology, or related science curriculum of four years or more, and who has acquired a  
145 specific record of thirty years or more of approved progressive professional experience on engineering  
146 projects of a grade and character which the Board judges to be pertinent to acquiring professional skills,  
147 demonstrating that the individual is eminently qualified to practice engineering, shall qualify for an oral  
148 examination for licensure in accordance with the rules and regulations of the Board as adopted May 17,  
149 1990.

150 F. Notwithstanding the provisions of this section, a contractor who is licensed pursuant to the  
151 provisions of Chapter 11 (§ 54.1-1100 et seq.) of this title shall not be required to be licensed or  
152 registered to practice in accordance with this chapter when bidding upon or negotiating design-build  
153 contracts or performing services other than architectural, engineering or land surveying services under a  
154 design-build contract. The architectural, engineering or land surveying services offered or rendered in  
155 connection with such contracts shall only be rendered by an architect, professional engineer or land  
156 surveyor licensed in accordance with this chapter.