

DESCRIPTION OF CONTRACTOR LICENSE CLASSIFICATIONS

I. Introduction

The following are selected excerpts from the Contractors License Board's laws and rules pertaining to the various contractor license classifications. For the official version of the laws and rules, please refer to most current language in Hawaii Revised Statutes ("HRS") chapter 444 and Hawaii Administrative Rules ("HAR") chapter 16-77.

II. "A" General Engineering Contractor

Under HRS section 444-7(b), a "general engineering contractor" is defined as "a contractor whose principal contracting business is in connection with fixed works requiring specialized engineering knowledge and skill, including the following divisions or subjects: irrigation, drainage, water power, water supply, flood control, inland waterways, harbors, docks and wharves, shipyards and ports, dams and hydroelectric projects, levees, river control and reclamation works, railroads, highways, streets and roads, tunnels, airports and airways, sewers and sewage disposal plants and systems, waste reduction plants, bridges, overpasses, underpasses and other similar works, pipelines and other systems for the transmission of petroleum and other liquid or gaseous substances, parks, playgrounds and other recreational works, refineries, chemical plants and similar industrial plants requiring specialized engineering knowledge and skill, powerhouses, power plants and other utility plants and installations, mines and metallurgical plants, land levelling and earth-moving projects, excavating, grading, trenching, paving and surfacing work and cement and concrete works in connection with the above mentioned fixed works."

Under HAR section 16-77-32(a) and (b):

"(a) Licensees who hold the "A" general engineering contractor classification shall automatically hold the following specialty classifications without further examination or paying additional fees:

- (1) C-3 asphalt paving and surfacing;
- (2) C-9 cesspool;
- (3) C-10 scaffolding;
- (4) C-17 excavating, grading, and trenching;
- (5) C-24 building moving and wrecking;
- (6) C-31a cement concrete;

- (7) C-32 ornamental guardrail, and fencing;
- (8) C-35 pile driving, pile and caisson drilling, and foundation;
- (9) C-37a sewer and drain line;
- (10) C-37b irrigation and lawn sprinkler systems;
- (11) C-38 post tensioning;
- (12) C-43 sewer, sewage disposal, drain, and pipe laying;
- (13) C-49 swimming pool;
- (14) C-56 welding;
- (15) C-57a pumps installation;
- (16) C-57b injection well;
- (17) C-61 solar energy systems.

(b) The "A" general engineering contractor may also install poles in all new pole lines and replace poles, provided that the installation of the ground wires, insulators, and conductors is performed by a contractor holding the C-62 pole and line classification. The "A" general engineering contractor may also install duct lines, provided that the installation of conductors is performed by a contractor holding the C-13 electrical classification.”

III. **“B” General Building Contractor**

Under HRS section 444-7(c), a “general building contractor” is defined as “a contractor whose principal contracting business is in connection with any structure built, being built, or to be built, for the support, shelter, and enclosure of persons, animals, chattels, or movable property of any kind, requiring in its construction the use of more than two unrelated building trades or crafts, or to do or superintend the whole or any part thereof.”

Under HAR section 16-77-32(c):

“(c) Licensees who hold the "B" general building contractor classification shall automatically hold the following specialty classifications without further examination or paying additional fees:

- (1) C-5 cabinet, millwork, and carpentry remodeling and repairs;
- (2) C-6 carpentry framing;
- (3) C-10 scaffolding;
- (4) C-12 drywall;
- (5) C-24 building moving and wrecking;
- (6) C-25 institutional and commercial equipment;
- (7) C-31a cement concrete;
- (8) C-32a wood and vinyl fencing;

- (9) C-42a aluminum and other metal shingles;
- (10) C-42b wood shingles and wood shakes.”

IV. “C” Specialty Contractor

Under HRS section 444-7(d), a “specialty contractor” is defined as “a contractor whose operations as such are the performance of construction work requiring special skill such as, but not limited to, electrical, drywall, painting and decorating, landscaping, flooring, carpet laying by any installation method, plumbing, or roofing work, and others whose principal contracting business involves the use of specialized building trades or crafts.”

Exhibit “A” to HAR chapter 16-77 states that:

“Specialty contractors are further classified under the following subclassifications:

- C-1 Acoustical and insulation contractor;
- C-2 Mechanical insulation contractor;
- C-3 Asphalt paving and surfacing contractor;
- C-3a Asphalt concrete patching, sealing, and striping contractor;
- C-3b Play court surfacing contractor;
- C-4 Boiler, hot-water heating, and steam fitting contractor;
- C-5 Cabinet, millwork, and carpentry remodeling and repairs contractor;
- C-5a Garage door and window shutters contractor;
- C-5b Siding application contractor;
- C-6 Carpentry framing contractor;
- C-7 Carpet laying contractor;
- C-9 Cesspool contractor;
- C-10 Scaffolding contractor;
- C-12 Drywall contractor;
- C-13 Electrical contractor;
- C-14 Sign contractor;
- C-15 Electronic systems contractor;
- C-15a Fire and burglar alarm contractor;
- C-15b Telecommunications contractor;
- C-16 Elevator contractor;
- C-16a Conveyor systems contractor;
- C-17 Excavating, grading, and trenching contractor;

C-19 Asbestos contractor;
C-20 Fire protection contractor;
C-20a Fire repressant systems contractor;
C-21 Flooring contractor;
C-22 Glazing and tinting contractor;
C-22a Glass tinting contractor;
C-23 Guniting contractor;
C-24 Building moving and wrecking contractor;
C-25 Institutional and commercial equipment contractor;
C-27 Landscaping contractor;
C-27a Hydro mulching contractor;
C-27b Tree trimming and removal contractor;
C-31 Masonry contractor;
C-31a Cement concrete contractor;
C-31b Stone masonry contractor;
C-31c Refractory contractor;
C-31d Tuckpointing and caulking contractor;
C-31e Concrete cutting, drilling, sawing, coring, and pressure grouting contractor;
C-32 Ornamental, guardrail, and fencing contractor;
C-32a Wood and vinyl fencing contractor;
C-33 Painting and decorating contractor;
C-33a Wall coverings contractor;
C-33b Taping contractor;
C-33c Surface treatment contractor;
C-34 Soil stabilization contractor;
C-35 Pile driving, pile and caisson drilling, and foundation contractor;
C-36 Plastering contractor;
C-36a Lathing contractor;
C-37 Plumbing contractor;
C-37a Sewer and drain line contractor;
C-37b Irrigation and lawn sprinkler systems contractor;
C-37c Vacuum and air systems contractor;
C-37d Water chlorination and sanitation contractor;
C-37e Treatment and pumping facilities contractor;
C-37f Fuel dispensing contractor;
C-38 Post tensioning contractor;
C-40 Refrigeration contractor;
C-40a Prefabricated refrigerator panels contractor;
C-41 Reinforcing steel contractor;

- C-42 Roofing contractor;
- C-42a Aluminum and other metal shingles contractor;
- C-42b Wood shingles and wood shakes contractor;
- C-42c Concrete and clay tile contractor;
- C-42e Urethane foam contractor;
- C-42g Roof coatings contractor;
- C-43 Sewer, sewage disposal, drain, and pipe laying contractor;
- C-43a Reconditioning and repairing pipeline contractor;
- C-44 Sheet metal contractor;
- C-44a Gutters contractor;
- C-44b Awnings and patio cover contractor;
- C-48 Structural steel contractor;
- C-48a Steel door contractor;
- C-49 Swimming pool contractor;
- C-49a Swimming pool service contractor;
- C-49b Hot tub and pool contractor;
- C-51 Tile contractor;
- C-51a Cultured marble contractor;
- C-51b Terrazzo contractor;
- C-52 Ventilating and air conditioning contractor;
- C-53 Miscellaneous retail products contractor;
- C-54 Interior design contractor;
- C-55 Waterproofing contractor;
- C-56 Welding contractor;
- C-57 Well contractor;
- C-57a Pumps installation contractor;
- C-57b Injection well contractor;
- C-60 Solar power systems contractor;
- C-61 Solar energy systems contractor;
- C-61a Solar hot water systems contractor;
- C-61b Solar heating and cooling systems contractor;
- C-62 Pole and line contractor;
- C-62a Pole contractor;
- C-63 High voltage electrical contractor; and
- C-68 Classified specialist.

The scope of work of each specialty contractor classification shall be as follows:

- C-1 **Acoustical and insulation contractor.** To install interior or exterior acoustic tile systems, spray systems, and insulation in buildings and structures for the purpose of sound control. These systems or materials may be installed independently of or in conjunction with acoustic tile and/or drywall systems as multipurpose (acoustic, insulation, fire retardant) systems;
- C-2 **Mechanical insulation contractor.** To install insulation materials on mechanical systems for the purpose of temperature control.
- C-3 **Asphalt paving and surfacing contractor.** To proportion, mix, and place base materials; and to place paving and surfacing consisting of graded mineral aggregates bonded with asphalt or bituminous materials so that a firm, smooth surface suitable for roadways, runways, driveways, parking areas, and play areas is obtained, including the application of seal coating and parking lot or highway striping;
- C-3a **Asphalt concrete patching, sealing, and striping contractor.** To patch asphalt roadways, runways, driveways and parking areas so that a suitable surface is obtained; to seal coat surfaces, to paint parking stripes, highway stripes, or playcourt lines, and to install epoxy buttons or white dome dividers on highways;
- C-3b **Play court surfacing contractor.** To prepare or install existing or new surfaces; to install materials or apply top or seal coating so that a level, suitable play court surface is obtained; and to paint playcourt lines;
- C-4 **Boiler, hot-water heating, hot water supply, and steam fitting contractor.** To install and repair fire-tube and water-tube power boilers, packaged boiler systems, hot-water heating and hot water supply boilers, and thermal fluid systems; including all fitting and piping, valves, gauges, pumps, radiators, convectors, fuel oil tanks, fuel oil lines, hazardous waste storage tanks, chimneys, flues, heat insulation, and all other devices, apparatus, and equipment appurtenant thereto, including the insulation of pipes in connection with the boiler installation or repair, and

installation of hydromatic radiant heating systems (warm floor) provided these are connected to a boiler;

- C-5 **Cabinet, millwork, and carpentry remodeling and repairs contractor.** To install cabinets, cases, sashes, doors, trims, or nonbearing partitions that become a permanent part of structure, and to remodel or to make repairs to existing buildings or structures, or both; and to do any other work which would be incidental and supplemental to the remodeling or repairing. The repairs, carpentry work, or remodeling shall include the installation of window shutters, garage doors, bifold, and shutter doors; and the installation of manufactured sidings and any other work that would not involve changes or additions to the building's or structure's basic components such as, but not limited to, foundations, beams, rafters, joists, or any load bearing members or sections;

- C-5a **Garage door and window shutters contractor.** To install overhead, mechanical and sliding garage doors, including installation of window shutters which involves similar installation methods;

- C-5b **Siding application contractor.** To prepare surfaces and install aluminum, vinyl or other manufactured siding, with the exception of wood, so that a watertight surface is obtained;

- C-6 **Carpentry framing contractor.** To do wood and metal framing, siding, wood truss, roof sheathing, and other work as is by custom and usage accepted in the construction industry as carpentry framing;

- C-7 **Carpet laying contractor.** To apply or install acceptable fabric floor coverings, artificial turf, or other prefabricated materials to surfaces;

- C-9 **Cesspool contractor.** To excavate and install cesspools and septic tanks in compliance with the requirements of the department of health;

- C-10 **Scaffolding contractor.** To erect or dismantle scaffolds only. The other contractor classifications may automatically perform this type of work in connection with their classifications;
- C-12 **Drywall contractor.** To layout and install nonstructural metal studs, channel and joist framing systems, and all types of gypsum wallboard systems, including the taping and texturing operations incidental thereto. Also included is the application of spray on barriers which would be incidental to the installation of wallboard;
- C-13 **Electrical contractor.** To place, install, erect, or connect any electrical wires, fixtures, appliances, apparatus, electrical signs, conduits, poles, raceways, and to do trenching, backfilling, patching, and surface restoration in connection with the installation of conduits and lines which transmit, transform, or utilize electrical energy less than 600 volts phase to phase. This classification also includes the work of the C-15 electronic systems contractor and C-60 solar power systems contractor;
- C-14 **Sign contractor.** To fabricate or install electrical or nonelectrical signs and sign devices for the purpose of display, advertising, or directions; and to install all sign supports and sign accessories;
- C-15 **Electronic systems contractor.** To install electronic equipment and electronic controls, including but not limited to, public address, intercommunication, master antenna, and music distribution systems, CATV systems, master and program clock systems, electronic teaching devices, and other systems including electric door opening devices and fire and burglar alarm systems; provided that this shall not include the installation of any conduits thereto;
- C-15a **Fire and burglar alarm contractor.** To install, maintain, and repair central fire and burglar alarm systems; provided that this shall not include the installation of any conduits thereto;
- C-15b **Telecommunications contractor.** To install, maintain, and repair telephone, computer, and data systems; including the

associated cabling, wiring, or fiber optics; provided that this shall not include the installation of any conduits thereto;

- C-16 **Elevator contractor.** To assemble and install and maintain sheave beams, motors, sheaves, cable and wire rope, guides, cab, counterweight, door assemblies, hydraulic systems, automatic and manual control systems, signal systems, and all other devices, apparatus, and equipment for the safe and efficient installation and operation of electrical, hydraulic, and manually operated elevators, dumb waiters, moving walks or ramps, conveyor systems, stage lifts, escalators, and man lifts excluding any lift or conveyor used in constructing a building or structure. To make or oversee alterations within the cab of the elevator which require a permit from the department of labor and industrial relations;
- C-16a **Conveyor systems contractor.** To install belt line conveyor systems including installation of baggage carousels;
- C-17 **Excavating, grading, and trenching contractor.** To dig, move, and place earthen material for a cut, fill, grade, or trench, including the use of explosives in connection therewith;
- C-19 **Asbestos contractor.** To engage in any activity involving the application, enclosure, removal, encapsulation, renovation, repair, demolition, or other disturbances of asbestos or asbestos-containing material that may become friable;
- C-20 **Fire protection contractor.** To lay out and install approved types of fire prevention and protective systems, including all mechanical apparatus, devices, piping, and equipment appurtenant thereto. The licensee shall comply with applicable provisions of the National Board of Fire Underwriters (NBFU) standards to meet all requirements of the local authorities having jurisdiction;
- C-20a **Fire repressant systems contractor.** To install tanks, piping, sprinkler heads, dry chemical systems, CO₂ systems, and halon systems related to fire repressant systems;

- C-21 **Flooring contractor.** To apply or install floor covering material such as linoleum, rubber, vinyl, cork, asphalt, plastic aluminates, or other materials that are by custom and usage accepted in the construction industry as composition flooring; including the installation of wood floor covering and also to include floor sanding and refinishing of floor surfaces. This also includes the use of rubber granules to create a floor covering or surface;
- C-22 **Glazing and tinting contractor.** To glaze or tint frames, panels, sash, and doors. To assemble and install window wall and curtain wall, shower doors, tub enclosures, mirrors, metal windows and screens, metal sliding doors, metal жалousies, store front metal and trim, plastics, tempered glass doors; including items such as frames and hardware and any allied products not stated above but affiliated with the glass and glazing industry;
- C-22a **Glass tinting contractor.** To apply any material or combination of materials to surfaces described in the C-22 classification above, to provide a tinting shield from natural or artificial light;
- C-23 **Gunite contractor.** To pneumatically apply aggregates, cement, and water as gunite and finish the surface; including the setting of ground wires and pencil rods to establish the finished surface planes;
- C-24 **Building moving and wrecking contractor.** To move, post, or demolish structures including removal of debris and to dismantle or free specific portions of a structure in order that it can be raised and moved. Posting shall be limited to placing a structure in position on a property only, and renovations shall not be included;
- C-25 **Institutional and commercial equipment contractor.** To install industrial instrumentation including, but not limited to, pneumatic instrumentation systems, laboratory equipment, lockers, and food services equipment, folding and sliding partitions, folding bleachers, stationary metal partitions, raised floor systems, prefabricated systems using metal chutes, incinerator, stages and rigging of stage curtains and racks, jail and prison equipment, and related locking devices or control

systems, and other equipment and materials as are by custom and usage accepted in the construction industry as institutional and commercial equipment work; and to install factory built stoves, fireplaces, and prefabricated steel chimneys;

- C-27 **Landscaping contractor.** To prepare plots of land for architectural horticulture and to provide tree trimming, decorative treatment and arrangement of gardens, lawns, shrubs, vines, bushes, trees, and other decorative vegetation; construct conservatories, hot and green houses, drainage and sprinkler systems, all types of rockscaping and ornamental pools, fountains, ornamental walls, fences, and walks; and placement of hydro mulching for ground cover and for containment of soil. This also includes the installation of irrigation control or decorative lamp electrical wiring associated with the above that will carry 24 volts or less;
- C-27a **Hydro mulching contractor.** To place hydro mulch material as a bed for ground cover and for containment of soil;
- C-27b **Tree trimming and removal contractor.** To prune, trim, and remove trees, including stumps, and restore ground to condition similar to adjacent area; provided that this does not include the relocation and planting of field grown trees;
- C-31 **Masonry contractor.** To lay brick and other baked clay products, rough or cast stone, marble, granite, or any decorative plaster, cut and dressed stone, artificial stone and brick veneer, CMU, and structural glass, brick or block, laid with or without mortar or adhesives, manufactured precast concrete facing and back-up panels and brick or block panel; installation of fire clay products and refractories; installation of concrete fencing; installation of grout, rubble work, caulking, tuckpointing, sandblasting, mortar, washing, and cleaning related to masonry construction; to place and finish cement concrete; to drill, saw, and core concrete; and to do epoxy injection in concrete for structural purposes;
- C-31a **Cement concrete contractor.** To mix aggregates, cement, and water in order to make acceptable concrete; to place and finish

concrete including the setting of screeds and forms; to do tuckpointing and caulking of concrete block and pre-cast stone; to caulk metal to concrete and masonry; to cut, drill, saw, core, and pressure grout concrete; to do sandblasting, waterblasting, cleaning, sealing, and epoxy injection of concrete; and to perform spall repair;

- C-31b **Stone masonry contractor.** To construct ornamental walls, veneer walls, and structural walls or columns from marble, granite, or any decorative plaster, stone, artificial stone, rough or cast stone, or veneer stone; to lay stone in a manner that an acceptable paved surface is obtained; and to construct stone retaining walls with or without mortar, in conformance with building code requirements;
- C-31c **Refractory contractor.** To set or install high temperature fire clay and refractory products or equipment;
- C-31d **Tuckpointing and caulking contractor.** To do tuckpointing, caulking, and sealing of concrete block and pre-cast stone; to caulk metal to concrete and masonry; and to perform spall repair;
- C-31e **Concrete cutting, drilling, sawing, coring, and pressure grouting contractor.** To cut, drill, saw, core, and pressure grout concrete;
- C-32 **Ornamental, guardrail, and fencing contractor.** Installation of all types of structural and nonstructural units for residential, commercial, and industrial construction, both interior and exterior including, but not limited to, folding gates, guardrails, handrails, stairs, fencing and gates, window shutters and grills, roll up shades, non-electrical signs, room dividers and shields, accessories, railings, and traffic safety devices;
- C-32a **Wood and vinyl fencing contractor.** To install, maintain, or repair wood or vinyl fencing;
- C-33 **Painting and decorating contractor.** To apply materials common to the painting and decorating industry for protective and decorative purposes, including highway and parking striping

and painting of playcourt lines, by the use of, but not limited to, emulsions, waxes, water repellants, epoxes, polyesters, urethane, liquid-glass, fibrous, cement, and rubber base coatings. Surface preparations of all types, caulking, sandblasting, waterblasting, power cleaning, or steam cleaning preparatory to painting. Installation of wall surface covering, decorative texturing, taping, and finishing of drywall. This also includes the application of sealants in connection with the above;

- C-33a **Wall coverings contractor.** To prepare surfaces and install wall covering materials such as vinyls, wallpapers, wood veneer, cloth fabric, and fibrous type coverings;
- C-33b **Taping contractor.** To fill and tape joints and indentations in wallboard so that a smooth surface is obtained to serve as a base for future finishes;
- C-33c **Surface treatment contractor.** To treat surfaces by using, but not limited to, sandblasting, waterblasting, power cleaning, or steam cleaning. This also includes the application of sealants in connection with the above;
- C-34 **Soil stabilization contractor.** To stabilize earth through the use of cement and/or chemical pressure grouting;
- C-35 **Pile driving, pile and caisson drilling, and foundation contractor.** To drill holes for pilings and caissons and to drive piles and set caissons including cutting piles and capping same. To compact earth for foundations by vibrafloat or similar systems;
- C-36 **Plastering contractor.** To apply gypsum plaster, cement, and acoustical plaster or any combination of materials common to the plastering industry to any surface which offers either a mechanical or suction type bond by spray or trowel; to apply lath or any other material that will provide a bond for the plaster including spray on, multipurpose, acoustic, insulation, and fire retardant systems; and to apply cementitious fire proofing systems;

- C-36a **Lathing contractor.** To apply wood and metal lath, or any other materials which provide a key or suction base for the support of plaster coatings; including the installation of metal framing for the support of lath;
- C-37 **Plumbing contractor.** To install, repair, or alter complete plumbing systems which shall include supply water piping systems, hot water piping systems which includes, but is not limited to, heat pump water heaters, and hot water supply boilers with a heat input of 200,000 BTU/h or less, waste water piping systems, fuel gas piping systems, waste water treatment systems, and other fluid piping systems; the equipment, backflow prevention assemblies, instrumentation, non-electric controls, and the fixture for these systems and the venting for waste water piping systems and fuel gas piping systems; for any purpose in connection with the use and occupancy of buildings, structures, works, and premises where people or animals live, work, and assemble; including piping for vacuum, air, and medical gas systems, spas and swimming pools, lawn sprinkler systems, irrigation systems, sewer lines and related sewage disposal work performed within property lines, fire protection sprinkler systems when supervised by licensed mechanical engineers or licensed fire protection contractors, and solar hot water heating systems, and the trenching, backfilling, patching, and surface restoration in connection therewith;
- C-37a **Sewer and drain line contractor.** To install sewer line from house to city sewer with connections; and to install septic tanks, package sewage treatment plants, and related work, within property lines;
- C-37b **Irrigation and lawn sprinkler systems contractor.** To install all piping and fittings, pressure regulators, backflow prevention devices, and irrigation control electrical wiring that will carry twenty-four volts or less, as required to provide irrigation systems for, but not limited to lawns, parks, playgrounds, highway right of ways, golf courses, and school facilities; including installation of automatic or manual controls in relation to an irrigation system;

- C-37c **Vacuum and air systems contractor.** To install tubing for air systems, pneumatic conveyor systems, and central vacuum systems for conveying material;
- C-37d **Water chlorination and sanitation contractor.** To chlorinate or sanitize water or water lines; repair water lines and additions to water lines; and check bacterial count in the water or water lines;
- C-37e **Treatment and pumping facilities contractor.** To install, assemble, alter, repair and maintain the equipment and piping systems in connection with wastewater treatment, water distribution, and water pumping facilities;
- C-37f **Fuel dispensing contractor.** To install, remove, and repair gas tanks, hazardous waste storage tanks, pumps, hoists, or other related equipment for facilities such as, but not limited to, service stations;
- C-38 **Post tensioning contractor.** To apply compression to concrete structures or various components by the use of steel bars or wires; and to bring bars or wires to proper tension after the structures or components are built or placed;
- C-40 **Refrigeration contractor.** To assemble and install devices, machinery, and units, including temperature insulation units, ducts, blowers, registers, humidity, and thermostatic controls for the control of air temperature below fifty degrees Fahrenheit in refrigerators, refrigerator rooms, and insulated refrigerator spaces; and to construct walk-in refrigerator boxes;
- C-40a **Prefabricated refrigerator panels contractor.** To install prefabricated refrigerator panels;
- C-41 **Reinforcing steel contractor.** To fabricate, place and tie steel reinforcing bars (rods), of any profile, perimeter, or cross-section, that are or may be used to reinforce concrete buildings and structures;

- C-42 **Roofing contractor.** To install roofing to an acceptable surface and provide a weather tight covering using metal; composition and cementitious shingles; wood shingles and shakes; concrete, clay, and other types of tile; built-up, modified bitumen, single ply, and fluid type systems; and other roofing materials including spray urethane foam, asphalt, and liquid (cutback) asphalt. To apply protective or reflective roofing, or both. To apply deck coatings and top coatings. To also install roof flashing in connection with all of the above;
- C-42a **Aluminum and other metal shingles contractor.** To install aluminum and other types of metal shingles so that an acceptable watertight surface is obtained;
- C-42b **Wood shingles and wood shakes contractor.** To install wood shingles and shakes; including all flashing materials to form a watertight surface, staining in conjunction with shingle and shake application, and application of water repellent materials;
- C-42c **Concrete and clay tile contractor.** To lay concrete and clay tile including any underlay, purlins, or nailer strips in conjunction therewith to form a watertight surface;
- C-42e **Urethane foam contractor.** To prepare roof surface and apply urethane foam and top coating in connection therewith to form a watertight roof surface;
- C-42g **Roof coatings contractor.** Application of roof coatings for waterproofing and reflective purposes; including any surface preparation necessary for these applications;
- C-43 **Sewer, sewage disposal, drain, and pipe laying contractor.** To construct concrete and masonry sewers, packaged sewer disposal plants, sewage lift stations, septic tanks, and appurtenances thereto; to lay all types of piping for storm drains, water, and gas lines, irrigation and sewers, manholes in connection with the above work; and repairing and reconditioning of the pipelines, including the excavation, grading, trenching, backfilling, paving, and surfacing in connection therewith;

- C-43a **Reconditioning and repairing pipeline contractor.** To repair or recondition water and sewer lines manually or by remote control in conformity with county sewer or with water supply departments specifications;
- C-44 **Sheet metal contractor.** To fabricate, assemble and install cornices, flashings, gutters, downspouts, kitchen and laboratory equipment, duct work, metal flues, and free standing fireplaces and chimneys; and to install pre-manufactured sheet metal products such as metal chutes, lockers, shelving, louvres, nonbearing metal partitions, metal siding and roofing, and other sheet metal items common to the trade, and facsimile items such as plastic skylights, fiberglass ducts and fittings, including installation of metal awnings, canopies, patio covers, and seamless metal gutters;
- C-44a **Gutters contractor.** To fabricate and install gutters and downspouts;
- C-44b **Awnings and patio cover contractor.** To fabricate and install awnings and patio covers.
- C-48 **Structural steel contractor.** To fabricate and erect structural steel shapes, bars, rods, and plates of any profile, perimeter, or cross-section, that are or may be used as structural members for buildings and structures; including riveting, bolting, welding, and rigging in connection therewith. Erection of metal buildings, passenger loading bridges, metal roofing and metal siding installed on steel framing, mechanical, overhead, sliding and roll-up steel doors, and grills and bars over windows;
- C-48a **Steel door contractor.** To install and repair mechanical, overhead, sliding and roll-up steel doors;
- C-49 **Swimming pool contractor.** To construct and repair concrete, gunite, metal, or plastic type pools, whirlpool baths, hot tubs, jacuzzies, pool decks, and walkways; including, but not limited to, installation and repair of water and gas service lines, from closest point of service to pool equipment, pool piping, fittings, back flow prevention devices, pumps, heaters, chlorine

- dispensers, pool plastering and other types of interior finishing and sealing, ceramic tile, coping, swimming pool accessories and safety devices, fences for protective purposes if in original contract and excavation and grading in connection with swimming pool construction;
- C-49a **Swimming pool service contractor.** Repair and replacement of pumps, filters, heaters and related circulation piping for swimming pools, whirlpool baths, and jacuzzis; acid washing or repainting of swimming pool, whirlpool bath, and jacuzzi interiors; and repairs to pool tile, coping stones, plaster, and decks;
- C-49b **Hot tub and pool contractor.** To install hot tubs, saunas, and vinyl or fabric lined pools to include water catchment, storage, and transmission;
- C-51 **Tile contractor.** To prepare the base upon which ceramic, mosaic, granite, terrazzo, and other tile work, including all pseudo tile and marble or cultured marble products, will adhere by suction, fasteners, or by adhesives; and to install these products;
- C-51a **Cultured marble contractor.** To prepare the base and install cultured marble or synthetic marble products;
- C-51b **Terrazzo contractor.** To place and finish terrazzo and liquid membrane with terrazzo chips;
- C-52 **Ventilating and air conditioning contractor.** To fabricate, assemble, and install warm-air heating and air cooling systems including heating and cooling solar systems, complete ventilating systems and complete air conditioning systems including, but not limited to, piping, controls (other than electrical), instrumentation, building automation, energy management, and trenching, backfilling, patching, and surface restoration in connection with the installation of the air conditioning systems; and including installation of thermal and acoustical insulation necessary to maintain heat, or sound, or both, within the systems above. This also includes the installation of heat pumps related to the air conditioning system;

- C-53 **Miscellaneous retail products contractor.** To enter into contracts to install miscellaneous retail products sold by the licensee; provided that the installation work shall be subcontracted to and physically performed by appropriately licensed contractors. The licensee shall operate as a retailer at a fixed location of 10,000 square feet or more; file a \$50,000 surety bond with the board; provide in-house financing; inform consumers that they do not physically perform the installation work and state that in all advertising; and be primarily responsible and liable for the actions of the other contractors performing the installation work.
- C-54 **Interior design contractor.** To enter into contracts to provide interior design services and perform the renovation work; provided that the renovation work shall be subcontracted to and physically performed by appropriately licensed contractors. The licensee shall inform consumers that they do not physically perform the renovation work and state that in all advertising; and be primarily responsible and liable for the actions of the other contractors performing the renovation work.
- C-55 **Waterproofing contractor.** To apply felt, glass, asphaltum, epoxy, pitch, silicone, elastomeric coatings, sheet membranes or any other materials or combination of materials to surfaces to prevent water and water vapor from penetrating and passing the materials. Work shall include, but not be limited to, waterproofing exterior walls and between slabs, both above and below grade, planter boxes, tank linings and application of tank coatings, and application to parking decks, play courts, and walking decks to form a watertight non-skid surface, but not to include the work of the C-42 roofing contractor. This also includes surface preparations of all types, caulking, sandblasting, waterblasting, power cleaning, or steam cleaning preparatory to waterproofing;
- C-56 **Welding contractor.** On-site job layout, cut, assemble and weld the metal products including, but not limited to, pipe lines, tanks, pressure vessels, guard rails, and fire escapes, by welding

techniques using carbon arc, metal arc, submerged arc, flux core, resistance, and oxyacetylene processes;

- C-57 **Well contractor.** To bore, drill, excavate, case, cement, clean, and repair water wells; and to install injection wells, water well pumps and pump controls, concrete pump base and waterline to adjacent storage tank;
- C-57a **Pumps installation contractor.** To install pumps and related equipment including controls, to wells;
- C-57b **Injection well contractor.** To install injection wells;
- C-60 **Solar power systems contractor.** To assemble and install photovoltaic panels, batteries, controls, and related low voltage D.C. wiring;
- C-61 **Solar energy systems contractor.** To assemble and install solar hot water systems in residential and commercial buildings and swimming pools, provided that this shall not include the installation of heat pumps or water heaters. To install solar heating and cooling systems in residential, commercial, and industrial buildings;
- C-61a **Solar hot water systems contractor.** To assemble and install collectors, storage vessels, controls, pumps, and piping in connection therewith;
- C-61b **Solar heating and cooling systems contractor.** To install solar heating and cooling systems; provided that all specialty work requiring a license is subcontracted to contractors licensed to perform that work;
- C-62 **Pole and line contractor.** To dress, ground, anchor, and erect poles that will carry high voltage (600 volts phase to phase or more) electrical wires; and to connect and string electrical wires, fixtures, and apparatus to and between the poles, including installation of pole-mounted transformers. Work shall include street and highway lighting and traffic signal systems, and the work of the C-63 high voltage electrical contractor;

- C-62a **Pole Contractor.** To strengthen poles by injecting into or encasing poles with fiberglass, polyurethane, epoxy, or similar materials; or to reinforce poles using steel trusses or braces.
- C-63 **High voltage electrical contractor.** To place, install, erect, or connect any electrical wires, fixtures, appliances, apparatus, conduits, raceways, and to do trenching, backfilling, patching, and surface restoration in connection with the installation of conduits and lines which transmit, transform, or utilize electrical energy of more than 600 volts phase to phase;
- C-68 **Classified specialist.** The performance of construction work requiring unique or special skill which is not related to or does not completely fall within any of the listed classifications; provided that the new classification is in the best interest of the public as determined by the board, and the specialist meets the standards and requirements set by law for licensing.”