

Contractor's License Classifications

What are the contractor license classifications?

The Arizona Registrar of Contractors issues separate licenses for commercial and residential work, and dual licenses that cover both commercial and residential, for each particular trade or field of the construction profession. Residential contracting is defined as construction on residential structures such as houses, townhouses, condominiums or cooperative units and apartment complexes of four units or less. Residential construction also includes any appurtenances on or within residential property lines, connection to utility service and sewer lines, meters and mechanical or structural service for any residential structure.

COMMERCIAL construction is anything other than **RESIDENTIAL**

Jump to Class: [A](#) [B](#) [C](#) [K](#) [L](#)

ENGINEERING CONTRACTING (COMMERCIAL)

Jump to Class: [A](#) [B](#) [C](#) [K](#) [L](#) or select the license type:

[A-](#) [A-03](#) [A-04](#) [A-05](#) [A-07](#) [A-09](#) [A-11](#) [A-12](#) [A-14](#) [A-15](#) [A-16](#) [A-17](#) [A-19](#) [A-21](#) [AE-](#)

A-	GENERAL ENGINEERING Construction in connection with fixed works, including streets, roads, power and utilities plants, dams, hydroelectric plants, sewage and waste disposal plants, bridges, tunnels, and overpasses. Also included are the scopes of work allowed by all of the other engineering classifications, A-3 through A-21.
A-03	BLASTING The use of explosives and explosive devices for excavation, demolition, geological exploration, mining, or any construction related blasting. Included is any drilling, boring, or earth moving required for the placement of explosive charges, the erection of temporary shelters, barricades and associated protective devices, equipment, and enclosures.
A-04	DRILLING Drilling includes horizontal and vertical drilling or boring, constructing, deepening, repairing, or abandoning wells; exploring for water, gas, and oil; and constructing dry wells, and monitor wells. Also included is the erection of rigs, derricks and related substructures, and installation, service and repair of pumps and pumping equipment.
A-05	EXCAVATING, GRADING AND OIL SURFACING Movement and alteration of earthen material by digging, horizontal boring, trenching, grading, or compacting the material for a cut, fill, grade, or trench. Included is the placement of shoring, the oiling of base materials, and incidental blasting and drilling. Excludes excavating for water, gas, and oil wells.
A-07	PIERS AND FOUNDATIONS Installation of piers and foundations using concrete, rebar, and other materials common to the industry. Includes pile driving, excavation, forming and other techniques and equipment common to the industry.
A-09	SWIMMING POOLS Construction, service, and repair of swimming pools and spas, including water and gas service lines from point of service to pool equipment, wiring from pool equipment to 1st readily accessible disconnect, pool piping, fittings, backflow prevention devices, waste lines, and other integral parts of a swimming pool or spa. Also included is the installation of swimming pool accessories, covers, safety devices, and fencing for protective purposes, if in the original contract.
A-11	STEEL AND ALUMINUM ERECTION Field fabrication, erection, repair, and alteration of architectural and structural steel and aluminum materials common to the industry, including field layout, cutting, assembly, and erection by welding, bolting, wire tying or riveting.
A-12	SEWERS, DRAINS AND PIPE LAYING Installation and repair of any project involving sewer access holes, the laying of pipe for storm drains, water and gas lines, irrigation, and sewers. Includes connecting sewer collector lines to building drains and the installation of septic tanks, leaching lines, dry wells, and all necessary connections, and related excavation and backfilling
A-14	ASPHALT PAVING Installation of asphalt paving, and all related fine grading on streets, highways, driveways, parking lots, tennis courts, running tracks, play areas, and gas station driveways and areas, using materials and accessories common to the industry. Includes the necessary excavation and grading only for height adjustment of existing sewer access holes, storm drains, water valves, sewer cleanouts, and drain gates.
A-15	SEAL COATING Application of seal coating to asphalt paving surfaces. Includes repair of surface cracks and application of painted marking symbols.
A-16	WATERWORKS All work necessary for the production and distribution of water including drilling well, setting casing and pump, related electrical work, related concrete work, excavation, piping for storage and distribution, storage tanks, related fencing, purification and chlorination equipment.
A-17	ELECTRICAL AND TRANSMISSION LINES

	Installation, alteration, and repair of transmission lines on public right-of-ways, including erection of poles, guying systems, tower line erection, street lighting of all voltages, and all underground systems including ducts for signal, communication, and similar installations. Installing transformers, circuit breakers, capacitors, primary metering devices and other related equipment of all electrical construction is included. All electrical systems of less than 600 volts on or inside a building are excluded.
A-19	SWIMMING POOLS, INCLUDING SOLAR Construction, service, and repair of swimming pools and spas, with or without solar water heating devices, including water and gas service lines from point of service to pool equipment, wiring from pool equipment to first readily accessible disconnect, pool piping, fittings, backflow prevention devices, waste lines and other integral parts of a swimming pool, spa and attached solar water heating device. Also included are swimming pool accessories, covers, safety devices, and fencing for protective purposes, if in the original contract.
A-21	LANDSCAPING AND IRRIGATION SYSTEMS Treat, condition, prepare, and install topsoil. Plant all decorative vegetation. Excavate, trench, bore, backfill and grade as necessary for installation of landscaping and irrigation systems. Landscaping includes installation of non-loadbearing slabs, walkways and areas using concrete, brick, stone, or gravel; wooden decks; decorative garden walls, fences and screens up to 6 feet in height; retaining walls up to 3 feet in height; and all other materials and equipment common to the industry. Excluded are cast-in-place or tilt concrete; load bearing walls for structures; and perimeter fencing along property lines or boundaries. Install, repair, and maintain irrigation systems to distribute water for the purpose of irrigation, dust and soil erosion control using equipment, materials, and fittings common to the industry. This includes electrical control panels and apparatus which are an integral part of the irrigation system. Connections to potable water lines, installation of backflow prevention devices, installation of hose bibs and installation of service lines from source of supply are permitted only when they are an integral part of the irrigation system. Installation of electric wiring and related fixtures of 110 volts or less for landscaping projects is included. All electrical work is limited to exterior use and only that work necessary to complete a landscaping project. If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel.
AE-	(as restricted by Registrar)

Jump to Class: [A](#) [B](#) [C](#) [K](#) [L](#) [Top](#) or select the license type:
[B-](#) [BE-](#) [B-01](#) [B-02](#) [B-03](#) [B-04](#) [B-05](#) [B-06](#) [B-10](#)

GENERAL COMMERCIAL CONTRACTING

B-01	GENERAL COMMERCIAL CONTRACTOR Construction, alteration, and repair 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. This scope includes the supervision of all or any part of the above and includes the management, or direct or indirect supervision of any work performed. This scope includes most of the L scopes except as they relate to electrical, plumbing, air conditioning systems, boilers, swimming pools, spas, and roofing (except shingles and shakes) which must be subcontracted to an appropriately licensed contractor.
B-02	GENERAL SMALL COMMERCIAL CONTRACTOR Small commercial construction in connection with any new structure or addition built, being built, or to be built for the support, shelter and enclosure of persons, animals, chattels or movable property of any kind. This scope includes the supervision of all or any part of the above and includes the management or direct or indirect supervision of any work performed. This scope includes most of the L scopes except as they relate to electrical, plumbing, air conditioning systems, boilers, swimming pools, spas, and roofing (except shingles and shakes) which must be subcontracted to an appropriately licensed contractor.
BE-	(as restricted by Registrar)

RESIDENTIAL CONTRACTING

B-	GENERAL RESIDENTIAL CONTRACTOR Construction of all or any part of a residential structure or appurtenance, except for electrical, plumbing, air conditioning systems, boilers, swimming pools, spas, and roofing (except shingles and shakes) which must be subcontracted to an appropriately licensed contractor. Also included are the scopes of work in B-3 and most of the C scopes except as restricted above.
B-03	GENERAL REMODELING AND REPAIR CONTRACTOR Remodeling or repair of an existing residential structure or appurtenance except for electrical, plumbing, mechanical, boilers, swimming pools or spas which must be subcontracted to an appropriately licensed

	contractor. The scope of work allowed under the C-7 carpentry classification is included within this scope.
B-04	GENERAL RESIDENTIAL ENGINEERING CONTRACTOR Construction and repair of appurtenances to residential structures. This scope includes all B-4R subclassifications.
B-04R	CORROSION CONTROL
B-04R	SPORT COURT ASSESSORIES
B-04R	SOIL STABILIZATION
B-05	GENERAL SWIMMING POOL CONTRACTOR Construction and repair of swimming pools and spas. Installation of fencing around the swimming pool or spa and installation of utilities from the point of service to the pool equipment. Construction of other structures or appurtenances is excluded. This scope includes all B-5R subclassifications.
B-05R	SWIMMING POOL COVERS
B-05R	FIBERGLASSING OF SWIMMING POOLS
B-05R	RESERVOIR LININGS AND COVERS
B-05R	FACTORY FABRICATED POOLS AND ACCESSORIES
B-06	GENERAL SWIMMING POOL CONTRACTOR, INCLUDING SOLAR The scope of work allowed in this classification is the same as B-5 (including all B-5R subclassifications) with the inclusion of solar heating devices.
B-10	PRE-MANUFACTURED SPAS AND HOT TUBS Construction and repair of spas and hot tubs. Installation of fencing around the spa or hot tub and installation of utilities from the point of service to the spa equipment are included.

SPECIALTY RESIDENTIAL CONTRACTING

Jump to Class: [A](#) [B](#) [C](#) [K](#) [L](#) [Top](#) or select the license type:

[C-01](#) [C-02](#) [C-03](#) [C-04](#) [C-05](#) [C-06](#) [C-07](#) [C-08](#) [C-09](#) [C-10](#) [C-11](#) [C-12](#) [C-13](#) [C-14](#) [C-15](#) [C-16](#) [C-17](#) [C-18](#) [C-21](#) [C-22](#) [C-29](#) [C-30](#) [C-31](#) [C-34](#) [C-36](#) [C-37](#) [C-38](#) [C-39](#) [C-40](#) [C-41](#) [C-42](#) [C-45](#) [C-48](#) [C-53](#) [C-61](#) [C-62](#) [C-63](#) [C-65](#) [C-68](#)

C-01	ACOUSTICAL SYSTEMS Installation and repair of acoustical wall and ceiling systems, excluding electrical.
C-02	EXCAVATING, GRADING AND OIL SURFACING Installation, alteration, and repair of earthen material by digging, trenching, grading, or compacting the material for a cut, fill, grade, or trench. Oil surfacing may be applied over base materials.
C-03	AWNINGS AND CANOPIES Installation and repair of metal, fabric, fiberglass, and plastic window awnings, door hoods, free-standing or attached canopies, carport and patio covers. Installation or repair of screened and paneled enclosures, not intended for use as habitable spaces, using metal panels, plastic inserts, and screen doors. A minimum of 60% of wall area of an enclosure shall be constructed of screening material. Installation or repair of fascia panels, flashing, and skirting. Installation or repair of exterior detached metal storage units. The placing of concrete footings and concrete slabs are permitted only when intended for patio covers, screened-in porches, and metal storage units when included in the same contract. Excluded is any structural member which itself weighs more than 6 pounds per lineal foot. All electrical, plumbing, and air conditioning systems are excluded.
C-04	BOILERS, INCLUDING SOLAR Installation and repair of steam and hot water boilers. If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel. This scope includes the C-4R subclassification.
C-04R	BOILERS
C-05	(as restricted by Registrar)
C-06	SWIMMING POOL SERVICE AND REPAIR Service and minor repair of residential pools and accessories, excluding plumbing connections to a potable water system, gas lines, gas chlorine systems, and electrical work beyond the 1st disconnect.
C-07	CARPENTRY Installation and repair of rough and finish general carpentry work on new and existing structures including accessories and related hardware common to the industry. This scope includes all C-7R subclassifications.
C-07R	DOORS, GATES, WINDOWS AND ACCESSORIES
C-07R	REMOVABLE FORMWORK AND SHORING
C-07R	NAILING AND STAPLING
C-08	FLOOR COVERING Installation and repair of floor covering materials and accessories. This scope includes all C-8R subclassifications.
C-08R	WOOD FLOORING
C-08R	CARPET

C-08R	COMPOSITION FLOORING
C-08R	NON-CONVENTIONAL FLOOR COVERING
C-08R	CERAMIC AND CLAY FLOOR COVERING
C-09	CONCRETE Installation and repair of concrete, concrete products, and accessories common to the industry. This scope includes all C-9R subclassifications.
C-09R	GUNITE & SHOTCRETE
C-09R	LIGHTWEIGHT CONCRETE
C-09R	FENCE FOOTINGS
C-09R	PRE-CAST CONCRETE
C-09R	SAWING, CORING, EPOXY PANELS AND BONDING
C-09R	TERRAZZO
C-10	DRYWALL Installation, repair, taping, and texturing of gypsum wallboard, including lightweight non-bearing wall partitions and ceiling grid support systems for drywall.
C-11	ELECTRICAL Installation and repair of electrical systems.
C-12	LOW VOLTAGE COMMUNICATION SYSTEMS Installation and repair of low voltage alarm, intercom, telephone, call, clock and television systems, including towers and antennas.
C-13	ASPHALT PAVING Installation and repair of paved areas using materials and methods common to the industry, including asphalt curbs, concrete bumper curbs, headers, and striping. This scope includes the C-13R subclassification.
C-13R	ASPHALT COATING AND PARKING APPURTENANCES
C-14	FENCING Installation and repair of fencing and low voltage electrical fence protective devices of less than 25 volts, 100 watts, or both. Concrete masonry units cannot exceed 6 feet in height excluding footings, nor can they be used for retaining wall purposes. This scope includes the C-14R subclassification.
C-14R	FENCING OTHER THAN MASONRY
C-15	BLASTING Use of explosives for movement of earthen materials or for demolition.
C-16	FIRE PROTECTION SYSTEMS Installation and repair of approved types of fire prevention and fire protection systems including all mechanical apparatus, devices, piping, low voltage signaling systems, and equipment common to the industry. Installation of all other electrical devices, apparatus, and wiring must be subcontracted to a properly licensed contractor. This scope includes the C-16R subclassification.
C-16R	CO2, DRY AND WET CHEMICAL SYSTEMS
C-17	STRUCTURAL STEEL AND ALUMINUM Installation and repair of architectural and structural shapes and members common to the industry, including reinforcing steel which may be used as structural members for buildings, equipment, and structures. This scope includes all C-17R subclassifications.
C-17R	STEEL FLOOR, SUB FLOOR AND FORM SYSTEMS
C-17R	WELDING
C-17R	ORNAMENTAL METALS
C-17R	TANKS
C-17R	RECREATIONAL EQUIPMENT
C-17R	REBAR, POST TENSIONING AND WIRE MESH
C-18	ELEVATORS Installation and repair of elevator systems.
C-21	LANDSCAPING AND IRRIGATION SYSTEMS Preparation and alteration of land for horticulture and arboriculture. Installation of irrigation systems and controls. Carpentry is limited to decorative fences and screens, planter boxes, and plant tubs common to the industry. Excluded are retaining walls over 3 feet, decorative walls or fences over 6 feet, perimeter walls, fences, and load bearing slabs and walkways. If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel. This scope includes all C-21R subclassifications.
C-21R	LANDSCAPING
C-21R	IRRIGATION SYSTEMS
C-22	HOUSE MOVING Disconnection of utilities is permitted, but connection of utilities and construction of foundations are not. This scope includes the C-22R subclassification.
C-22R	WRECKING
C-29	MACHINERY
C-30	FINISH CARPENTRY Installation, repair, and finishing of cabinets, countertops, case sash, door trim, wood flooring, and other millwork. This scope includes all C-30R subclassifications.
C-30R	KITCHEN AND BATHROOM COMPONENTS

C-30R	DOORS, WINDOWS, GATES, TUB AND SHOWER ENCLOSURES
C-30R	CULTURED MARBLE
C-30R	WEATHERSTRIPPING
C-31	MASONRY Installation of, with or without mortar, stone, structural glass, brick, block, baked clay, or other products common to the industry. This scope includes all C-31R subclassifications.
C-31R	FLAGSTONE
C-31R	STONE MASONRY
C-34	PAINTING AND WALL COVERING Surface preparation and application of materials common to the painting and decorating industry for protective or decorative purposes or both. Wall coverings, except ceramic tile, are included. This scope includes all C-34R subclassifications.
C-34R	SURFACE PREPARATION AND WATERPROOFING
C-34R	WALLPAPER
C-36	PLASTERING Installation and repair of plaster materials common to the industry. Installation of lath products, including wall partitions and ceiling grids, to provide a key or suction type bond for the various types of plaster coatings. This scope includes all C-36R subclassifications.
C-36R	SWIMMING POOL PLASTERING
C-36R	LATHING
C-37	PLUMBING, INCLUDING SOLAR Installation and repair of water and gas piping systems, fire protection systems, and sewage treatment systems. Included are all fixtures, vents, and devices common to the industry, as well as solar applications. This scope includes all C-37R subclassifications.
C-37R	PLUMBING
C-37R	BUILT-IN CENTRAL VACUUM SYSTEMS
C-37R	KITCHEN AND BATHROOM FIXTURE REFINISHING
C-37R	SWIMMING POOL PLUMBING AND EQUIPMENT
C-37R	GAS PIPING
C-37R	SEWERS, DRAINS AND PIPE LAYING
C-37R	WATER CONDITIONING EQUIPMENT
C-37R	SOLAR PLUMBING - LIQUID SYSTEMS ONLY
C-38	SIGNS Installation and repair of signs, excluding any electrical wiring beyond the 1st adequate power outlet accessible and adjacent to the sign.
C-39	AIR CONDITIONING AND REFRIGERATION, INCLUDING SOLAR Installation and repair of comfort air conditioning systems, including refrigeration, evaporative cooling, ventilating, and heating with or without solar equipment. Installation and repair of machinery, units, accessories, refrigerator rooms, and insulated refrigerator spaces, and controls in refrigerators. If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel. This scope includes all C-39R subclassifications.
C-39R	AIR CONDITIONING AND REFRIGERATION
C-39R	GAS REFRIGERATION
C-39R	TEMPERATURE CONTROL SYSTEMS
C-39R	WARM AIR HEATING, EVAPORATIVE COOLING AND VENTILATING
C-39R	EVAPORATIVE COOLING AND VENTILATORS
C-39R	PRE-COOLERS
C-40	INSULATION Installation of insulating materials common to the industry for the purpose of temperature or sound control, excluding any exterior roofing materials such as foam and reflective coating. This scope includes the C-40R subclassification.
C-40R	FOAM INSULATION
C-41	SEWAGE TREATMENT SYSTEMS Installation and repair of sewage treatment systems, septic tanks, cesspools, and leach fields, in compliance with the requirements of the responsible Health Department. This scope includes the C-41R subclassification.
C-41R	PRECAST WASTE TREATMENT SYSTEMS
C-42	ROOFING Installation and repair of materials common to the industry that form a water tight, weather resistant surface for roofs and decks, including all accessories, flashing, valleys, gravel stops, and roof insulation panels above the roof deck. This scope includes all C-42R subclassifications.
C-42R	FOAM AND FOAM PANEL ROOFING
C-42R	LIQUID APPLIED ROOFING
C-42R	ROOFING SHINGLES AND SHAKES
C-45	SHEET METAL Installation and repair of sheet metal, aluminum, plastic, and fiberglass products common to the industry. This scope includes the C-45R subclassification.

C-45R	PREMANUFACTURED FIREPLACES
C-48	CERAMIC, PLASTIC AND METAL TILE Installation and repair of ceramic and facsimile tile products common to the industry. This scope includes the C-48R subclassification.
C-48R	SWIMMING POOL TILE
C-53	DRILLING Installation and repair of wells, including test boring, exploratory drilling and all materials and devices common to the industry.
C-61	LIMITED REMODELING AND REPAIR CONTRACTOR Remodeling or repairs to existing structures or appurtenances, excluding swimming pools or spas, not to exceed \$25,000 per project per dwelling. Work on electrical, plumbing, air conditioning systems, or boilers that require a building permit must be subcontracted to an appropriately licensed contractor. The scope of work allowed under the C-7 carpentry classification is included.
C-62	MINOR HOME IMPROVEMENTS Remodeling, repairs, and improvements to existing structures or appurtenances not to exceed \$2,500 for labor and materials per project per dwelling or appurtenance. The minor home improvement contractor shall not perform structural work to any existing structures or appurtenances, including load bearing masonry or concrete work (with the exception of on-grade flat work), and load bearing carpentry work (with the exception of patio or porch covers). All electrical, plumbing, air conditioning, heating, boiler, and roofing work shall be performed by an appropriately licensed contractor.
C-63	APPLIANCES Installation and repair of appliances. Included is the connection of a mobile home to existing gas, plumbing, and electrical services.
C-65	GLAZING Installation and repair of glass, glass products, plastics, frames, holding members, and all materials common to the industry. This scope includes all C-65R subclassifications.
C-65R	SKYLIGHTS
C-65R	STORM WINDOWS AND DOORS
C-65R	MIRRORS
C-65R	WINDOW TREATMENT
C-68	MOBILE HOME REMODELING AND REPAIR Repair or remodeling of mobile homes. Site work is excluded, as well as remodeling which will increase floor area.

Jump to Class: [A](#) [B](#) [C](#) [K](#) [L](#) [Top](#) or select the license type:

[KA-](#) [KA-5](#) [KA-6](#) [KB-1](#) [KB-2](#) [KE-](#) [KO-](#) [K-01](#) [K-02](#) [K-03](#) [K-04](#) [K-05](#) [K-06](#) [K-07](#) [K-08](#) [K-09](#) [K-10](#) [K-11](#) [K-12](#) [K-13](#) [K-14](#) [K-15](#) [K-16](#) [K-17](#) [K-21](#) [K-24](#) [K-26](#) [K-29](#) [K-31](#) [K-34](#) [K-36](#) [K-37](#) [K-38](#) [K-39](#) [K-40](#) [K-41](#) [K-42](#) [K-44](#) [K-45](#) [K-48](#) [K-53](#) [K-54](#) [K-56](#) [K-57](#) [K-58](#) [K-60](#) [K-61](#) [K-62](#) [K-63](#) [K-64](#) [K-65](#) [K-66](#) [K-67](#) [K-69](#) [K-74](#) [K-77](#) [K-78](#) [K-79](#) [K-80](#)

GENERAL DUAL ENGINEERING CONTRACTING

KA-	DUAL ENGINEERING This classification allows the scope of work permitted by the commercial A- General Engineering and the B-4 General Residential Engineering licenses.
KA-5	DUAL SWIMMING POOL CONTRACTOR This classification allows the scope of work permitted by the commercial A-9 Swimming Pools and the residential B-5 General Swimming Pool licenses.
KA-6	DUAL SWIMMING POOL CONTRACTOR INCLUDING SOLAR This classification allows the scope of work permitted by the commercial A-19 Swimming Pools, Including Solar and the residential B-6 General Swimming Pools, Including Solar licenses.
KE-	(as restricted by Registrar)

GENERAL DUAL LICENSE CONTRACTING

KB-1	DUAL BUILDING CONTRACTOR This classification allows the scope of work permitted by the B-1 General Commercial Contractor and the B- General Residential Contractor licenses.
KB-2	DUAL RESIDENTIAL AND SMALL COMMERCIAL This classification allows the scope of work permitted by the B-2 General Small Commercial and the B- General Residential Contractor licenses.
KO-	(as restricted by Registrar)

SPECIALTY DUAL LICENSE CONTRACTING

K-1	ACOUSTICAL SYSTEMS This classification allows the scope of work permitted by the commercial L-1 Acoustical Systems and the residential C-1 Acoustical Systems licenses.
K-2	EXCAVATING, GRADING AND OIL SURFACING This classification allows the scope of work permitted by the commercial A-5 Excavating, Grading, and Oil Surfacing and the residential C-2 Excavating, Grading, and Oil Surfacing licenses.
K-3	AWNINGS, CANOPIES, CARPORT AND PATIO COVERS This classification allows the scope of work permitted by the commercial L-3 Awnings, Canopies and Carports and Patio Covers and the residential C-3 Awnings and Canopies licenses.
K-4	BOILERS, STEAMFITTING AND PROCESS PIPING This classification allows the scope of work permitted by the commercial L-4 Boilers, Steamfitting and Process Piping and the residential C-4R Boilers licenses.
K-5	(as restricted by the Registrar)
K-6	SWIMMING POOL SERVICE AND REPAIR This classification allows the scope of work permitted by the commercial L-6 Swimming Pool Service and Repair and the residential C-6 Swimming Pool Service and Repair licenses.
K-7	CARPENTRY This classification allows the scope of work permitted by the commercial L-7 Carpentry and the residential C-7 Carpentry licenses.
K-8	FLOOR COVERING This classification allows the scope of work permitted by the commercial L-8 Floor Covering and the residential C-8 Floor Covering licenses.
K-9	CONCRETE This classification allows the scope of work permitted by the commercial L-9 Concrete and the residential C-9 Concrete licenses.
K-10	DRYWALL This classification allows the scope of work permitted by the commercial L-10 Drywall and the residential C-10 Drywall licenses.
K-11	ELECTRICAL This classification allows the scope of work permitted by the commercial L-11 Electrical and residential C-11 Electrical licenses.
K-12	ELEVATORS This classification allows the scope of work permitted by the commercial L-12 Elevators and the residential C-18 Elevators licenses.
K-13	CARPET This classification allows the scope of work permitted by the commercial L-13 Carpets and the residential C-8R Carpet licenses.
K-14	FENCING This classification allows the scope of work permitted by the commercial L-14 Fencing and the residential C-14 Fencing licenses.
K-15	BLASTING This classification allows the scope of work permitted by the commercial A-3 Blasting and the residential C-15 Blasting licenses.
K-16	FIRE PROTECTION SYSTEMS This classification allows the scope of work permitted by the commercial L-16 Fire Protection Systems and the residential C-16 Fire Protection licenses.
K-17	STEEL AND ALUMINUM ERECTION This classification allows the scope of work permitted by the commercial A-11 Steel and Aluminum Erection and the residential C-17 Structural Steel and Aluminum licenses.
K-21	LANDSCAPING AND IRRIGATION SYSTEMS This classification allows the scope of work permitted by the commercial A-21 Landscaping and Irrigation Systems and the residential C-21 Landscaping and Irrigation Systems licenses.
K-24	ORNAMENTAL METALS This classification allows the scope of work permitted by the commercial L-24 Ornamental Metals and the residential C-17R Ornamental Metals licenses.
K-26	LANDSCAPING This classification allows the scope of work permitted by the commercial L-26 Landscaping and the residential C-21R Landscaping licenses.
K-29	MACHINERY (as restricted by Registrar)
K-31	MASONRY This classification allows the scope of work permitted by the commercial L-31 Masonry and the residential C-31 Masonry licenses.
K-34	PAINTING This classification allows the scope of work permitted by the commercial L-34 Painting and Wallcovering and the residential C-34 Painting and Wallcovering licenses.

>K-36	PLASTERING This classification allows the scope of work permitted by the commercial L-36 Plastering and the residential C-36 Plastering licenses.
K-37	PLUMBING This classification allows the scope of work permitted by the commercial L-37 Plumbing and the residential C-37R Plumbing licenses.
K-38	SIGNS This classification allows the scope of work permitted by the commercial L-38 Signs and the residential C-38 Signs licenses.
K-39	AIR CONDITIONING AND REFRIGERATION This classification allows the scope of work permitted by the commercial L-39 Air Conditioning and Refrigeration and the residential C-39R Air Conditioning and Refrigeration licenses.
K-40	INSULATION This classification allows the scope of work permitted by the commercial L-40 Insulation and the residential C-40 Insulation licenses.
K-41	SEPTIC TANKS AND SYSTEMS This classification allows the scope of work permitted by the commercial L-41 Septic Tanks and Systems and the residential C-41 Sewage Treatment and Systems licenses.
K-42	ROOFING This classification allows the scope of work permitted by the commercial L-42 Roofing and the residential C-42 Roofing licenses.
K-44	IRRIGATION SYSTEMS This classification allows the scope of work permitted by the commercial L-44 Irrigation Systems and the residential C-21R Irrigation Systems licenses.
K-45	SHEET METAL This classification allows the scope of work permitted by the commercial L-45 Sheet Metal and the residential C-45 Sheet Metal licenses.
K-48	CERAMIC, PLASTIC AND METAL TILE This classification allows the scope of work permitted by the commercial L-48 Ceramic, Plastic and Metal Tile and the residential C-48 Ceramic, Plastic and Metal Tile licenses.
K-53	WATER WELL DRILLING This classification allows the scope of work permitted by the commercial L-53 Water Well Drilling and the residential C-53 Drilling licenses.
K-54	WATER CONDITIONING EQUIPMENT This classification allows the scope of work permitted by the commercial L-54 Water Conditioning Equipment and the residential C-37R Water Conditioning Equipment licenses.
K-56	WELDING This classification allows the scope of work permitted by the commercial L-56 Welding and the residential C-17R Welding licenses.
K-57	WRECKING This classification allows the scope of work permitted by the commercial L-57 Wrecking and the residential C-22R Wrecking licenses.
K-58	COMFORT HEATING, VENTILATING, EVAPORATIVE COOLING This classification allows the scope of work permitted by the commercial L-58 Comfort Heating, Ventilating, Evaporative Cooling and the residential C-39R Warm Air Heating, Evaporative Cooling, and Ventilating licenses.
K-60	FINISH CARPENTRY This classification allows the scope of work permitted by the commercial L-60 Finish Carpentry and the residential C-30 Finish Carpentry licenses.
K-61	CARPENTRY, REMODELING AND REPAIRS This classification allows the scope of work permitted by the commercial L-61 Carpentry, Remodeling and Repairs and the residential C-61 Limited Remodeling and Repair Contractor licenses.
K-62	REINFORCING BAR AND WIRE MESH This classification allows the scope of work permitted by the commercial L-62 Steel Reinforcing Bar and Wire Mesh and the residential C-17R Rebar and Wire Mesh licenses.
K-63	APPLIANCES This classification allows the scope of work permitted by the commercial L-63 Appliances and the residential C-63 Appliances licenses.
K-64	WOOD FLOOR LAYING AND FINISHING This classification allows the scope of work permitted by the commercial L-64 Wood Floor Laying and Finishing and the residential C-8R Wood Flooring licenses.
K-65	GLAZING This classification allows the scope of work permitted by the commercial L-65 Glazing and the residential C-65 Glazing licenses.
K-66	SEAL COATING This classification allows the scope of work permitted by the commercial A-15 Seal Coating and the residential C-13R Asphalt Coating and Parking Appurtenances licenses.
K-67	LOW VOLTAGE COMMUNICATION SYSTEMS This classification allows the scope of work permitted by the commercial L-67 Low Voltage Communications Systems and the residential C-12 Low Voltage Communication Systems licenses.

K-69	ASPHALT PAVING This classification allows the scope of work permitted by the commercial A-14 Asphalt Paving and the residential C-13 Asphalt Paving licenses.
K-74	BOILERS, STEAMFITTING AND PROCESSPIPING, INCLUDING SOLAR This classification allows the scope of work permitted by the commercial L-74 Boilers, Steamfitting and Process Piping, Including Solar and the residential C-4 Boilers Including Solar licenses.
K-77	PLUMBING INCLUDING SOLAR This classification allows the scope of work permitted by the commercial L-77 Plumbing Including Solar and the residential C-37 Plumbing Including Solar licenses.
K-78	SOLAR PLUMBING LIQUID SYSTEMS ONLY This classification allows the scope of work permitted by the commercial L-78 Solar Plumbing Liquid Systems Only and the residential C-37R Solar Plumbing Liquid Systems Only licenses.
K-79	AIR CONDITIONING AND REFRIGERATION INCLUDING SOLAR This classification allows the scope of work permitted by the commercial L-79 Air Conditioning and Refrigeration Including Solar and the residential C-39 Air Conditioning and Refrigeration Including Solar licenses.
K-80	SEWERS, DRAINS AND PIPE LAYING This classification allows the scope of work permitted by the commercial A-12 Sewers, Drains, and Pipe Laying and the residential C-37R Sewers, Drains and Pipe Laying licenses.

SPECIALTY COMMERCIAL CONTRACTING

Jump to Class: [A](#) [B](#) [C](#) [K](#) [L](#) [Top](#) or select the license type:

[L-01](#) [L-03](#) [L-04](#) [L-05](#) [L-06](#) [L-07](#) [L-08](#) [L-09](#) [L-10](#) [L-11](#) [L-12](#) [L-13](#) [L-14](#) [L-16](#) [L-24](#) [L-26](#) [L-27](#) [L-29](#) [L-31](#) [L-34](#) [L-36](#) [L-37](#) [L-38](#) [L-39](#) [L-40](#) [L-41](#) [L-42](#) [L-44](#) [L-45](#) [L-48](#) [L-49](#) [L-53](#) [L-54](#) [L-56](#) [L-57](#) [L-60](#) [L-61](#) [L-62](#) [L-63](#) [L-64](#) [L-65](#) [L-67](#) [L-74](#) [L-77](#) [L-78](#) [L-79](#)

L-01	ACOUSTICAL SYSTEMS Installation, application, alteration, and repair of all types of premanufactured acoustical ceiling and wall systems.
L-03	AWNINGS, CANOPIES, CARPORT AND PATIO COVERS Installation and repair of window awnings, door hoods, free-standing or attached canopies, carport and patio covers constructed of metal, fabric, fiberglass, and plastic. Installation or repair of screened and paneled enclosures, not intended for use as habitable spaces, using metal panels, plastic inserts and screen doors. A minimum of 60% of wall area of an enclosure shall be constructed of screening material. Installation or repair of fascia panels, flashing and skirting. Installation or repair of exterior detached metal storage units. The placing of concrete footings and concrete slabs is permitted only when intended for patio covers, screened-in porches, and metal storage units when included in the same contract. Excluded is any structural member that weighs more than 6 pounds per lineal foot. All electrical, plumbing, and air conditioning systems are excluded.
L-04	BOILERS, STEAMFITTING AND PROCESS PIPING Installation, alteration, and repair of steam and hot water systems and boilers, including chimney connections, flues, refractories, burners, piping, fittings, valves, thermal insulation, and accessories; fuel and water lines from source of supply to boilers; process and specialty piping and related equipment; pneumatic and electrical controls. If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel.
L-05	(as restricted by Registrar)
L-06	SWIMMING POOL SERVICE AND REPAIR Service, replacement, and repair of swimming pools including all existing connections and equipment. Pool gas heaters and gas piping from meter to heater may be installed only if the existing line and gas supply are adequate. Application of pool coatings to interior of pool in conjunction with minor repairs to pool tile, plaster, and decks. Excluded are chlorine gas connections, connections to potable water, and electric connections beyond first readily accessible disconnect.
L-07	CARPENTRY Includes all rough and finish general carpentry work and hardware, including accessories, on new and existing structures.
L-08	FLOOR COVERING Installation, replacement and repair of floor covering materials and related accessories including preparation of the surface to be covered. Included are linoleum, carpets, carpet backings and pads, and materials manufactured of asphalt, vinyl, vinyl asbestos, rubber, wood, ceramic, and clay.
L-09	CONCRETE All work in connection with the processing, proportioning, batching, mixing, conveying, and placing of concrete composed of materials common to the concrete industry, including finishing, coloring, curing, repairing, testing, drilling, sawing, grinding, chipping, and grouting. Placing film barriers, sealing, and

	<p>waterproofing are included.</p> <p>Construction, centering, and assembling forms, molds, slipforms, and pans.</p> <p>Trenching, excavating, backfilling, and grading in connection with concrete construction.</p> <p>Installation of embedded items essential to or comprising an integral part of the concrete or concrete construction, including reinforcing elements and accessories.</p>
L-10	<p>DRYWALL</p> <p>Installation, pointing, and repair of gypsum wall board, and accessories. Taping and texturing on structures both interior and exterior.</p> <p>Installation of non-bearing lightweight steel wall partitions and ceiling grid systems as supporting members for gypsum drywall, and installation and repair of movable partitions for the application of gypsum drywall panels.</p>
L-11	<p>ELECTRICAL</p> <p>Installation, alteration, and repair of any wiring, related electrical material and equipment used in the generating, transmitting, or utilization of electrical energy less than 600 volts, including all overhead electrical wiring on public right-of-ways for signs and street decorations, and all underground electrical distribution systems of less than 600 volts serving private properties.</p> <p>Installation, alteration, and repair on other than public right-of-ways of all outside, overhead, and underground electrical construction and all wiring in or on any building of less than 600 volts.</p>
L-12	<p>ELEVATORS</p> <p>Installation, service and repair of all elevators, dumbwaiters, escalators, moving walks and ramps, stage and orchestra lifts, including the fabrication, erection and installation of sheave beams, sheaves, motors, cable and wire rope, guides, cabs, counterweights, doors, including sidewalk elevator doors, automatic and manual controls, signal systems and other devices, apparatus, and related equipment.</p>
L-13	<p>CARPETS</p> <p>Installation, replacement, and repair of carpeting materials and accessories, including preparation of the surface to be covered.</p>
L-14	<p>FENCING</p> <p>Installation and repair of metal, wood, and cement block fencing, including highway guard rails, cattle guards, and low voltage U.L. approved electrical fence protective devices of less than 25 volts and 100 watts, when required to properly install fencing.</p> <p>All types of retaining walls are excluded.</p>
L-16	<p>FIRE PROTECTION SYSTEMS</p> <p>Installation, alteration, and repair of fire protection systems using water, steam, gas, or chemicals. Included is any required excavation, trenching, backfilling and grading, piping from structure, and connections to off-premise water supply adjacent to property involving a fire protection system. Systems may include the following areas of work and related equipment: restaurant hood protection systems; fire pumps and drivers; pressure and storage tanks; all piping and valves; sprinkler heads and nozzles; and application of materials for the prevention of corrosion or freezing.</p> <p>Also included are air compressors, air receivers, bottled inert gases, pressurized chemicals, manifolds, pneumatic, hydraulic, or electrical controls, low voltage signaling systems, control piping, and the flushing and testing of systems.</p>
L-24	<p>ORNAMENTAL METALS</p> <p>Fabrication, alteration, repair, and installation of all types of non-structural bearing ornamental metal units, both interior and exterior, including metal folding gates, guard and hand rails, wrought iron fencing and gates, window shutters and grilles, room dividers and shields, and metal accessories common to the industry. Installation of ornamental or common columns for canopies, porches, and carports are also included.</p> <p>Fire escapes and stairs are excluded.</p>
L-26	<p>LANDSCAPING</p> <p>Treat, condition, prepare, and install topsoil. Plant all decorative vegetation. Excavate, trench, backfill, and grade as necessary for installation of landscaping.</p> <p>Installation of wood decks, non-loadbearing slabs, walkways, and areas using concrete, brick, stone, or gravel; and all other materials and equipment common to the industry.</p> <p>Excluded are concrete slabs exceeding 400 square feet, concrete walkways exceeding 200 square feet, and masonry work over 18 inches in height.</p> <p>Installation of electric wiring and related fixtures of 110 volts or less for landscaping projects is included. All electrical work is limited to exterior use, and only that work necessary to complete landscaping projects.</p> <p>If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel.</p>
L-27	<p>LIGHTWEIGHT PARTITIONS</p> <p>Installation of lightweight (not to exceed 14 gauge) metal wall partitions, including suspended metal ceiling grid systems, as supporting members for the application of building materials such as: application and repair of gypsum plaster, cement, acoustical plaster, or a combination of materials and aggregates, that create a permanent coating; the application of such materials over any surface which offers either a mechanical or suction type bond, sprayed, dashed, or troweled to the surface; surface sandblasting preparatory to plastering or stucco; installation of plastering accessories and lath products manufactured to provide a key or suction type bond for the support of various type plaster coatings; and installation and repair of gypsum wall board, pointing, accessories, taping, and texturing on structures both interior and exterior.</p>
L-29	<p>MACHINERY (as restricted by Registrar)</p>
L-31	<p>MASONRY</p>

	<p>Installation of brick, concrete block, adobe units, stone, marble, slate, or other units and products common to the masonry industry, including mortarless type masonry products.</p> <p>Installation of grout, and caulking. Tuck pointing, sand blasting, mortar washing, parging, cleaning, and welding of reinforcing steel related to masonry construction.</p>
L-34	<p>PAINTING AND WALL COVERING</p> <p>Application of materials common to the painting and decorating industry for protective or decorative purposes. Includes surface preparation, caulking, sanding, and cleaning preparatory to painting.</p> <p>Installation of surface coverings such as vinyls, wall papers, and cloth fabrics; decorative texturing; taping and finishing of drywall in conjunction with surface painting only.</p>
L-36	<p>PLASTERING</p> <p>Application and repair of gypsum plaster, cement, acoustical plaster, or a combination of such materials and aggregates that create a permanent surface coating.</p> <p>Application of materials common to the plastering industry over any surface which offers either a mechanical or suction type bond, sprayed, dashed, or troweled to a surface. This scope includes surface sandblasting preparatory to plastering or stucco.</p> <p>Installation of accessories and lath products manufactured to provide a key or suction type bond for the support of various type plaster coatings. Installation of lightweight metal wall partitions, including suspended lightweight metal ceiling grid systems when the contract includes plastering.</p>
L-37	<p>PLUMBING</p> <p>Installation, alteration, and repair of all plumbing when performed solely within property lines and not on public easements or right-of-ways, except as hereinafter provided.</p> <p>Installation, alteration, and repair of all piping, fixtures, and appliances related to water supply, including pressure vessels and tanks (excluding municipal or related water supply systems); venting and sanitary drainage systems for all fluid, semi-fluid, and organic wastes; septic tanks and leaching lines; roof leaders; lawn sprinklers; water conditioning equipment; piping; and equipment for swimming pools.</p> <p>Also included are piping, fixtures, appliances, and pressure vessels for manufactured and natural gases, compressed air and vacuum systems, petroleum, fuel oil, non-potable liquids, hot water heating, and hot water supply systems operating at pressures not exceeding 30 PSIG, or temperatures not exceeding 220° F; steam heating and steam supply systems not exceeding 15 PSIG operating pressure; gas or oil fired space heaters and furnaces, excluding duct work. Piping for water cooling systems, excluding the refrigerant piping and equipment. Testing and balancing of hydronics systems.</p> <p>Sewer, gas, water lines, and connections from structure to the nearest point of public supply or disposal may cross public or private easements or be installed within private easements. Pipe installed across public property may not be increased in size, or make any other connection between the point of exit from private property to the point of connection at public supply or disposal. These lines shall not be installed parallel to main lines in public easements or right-of-ways.</p>
L-38	<p>SIGNS</p> <p>Fabricate, install, repair, and service indoor or outdoor signs, displays, and sign devices attached to, or painted on a structure for the purpose of display, advertising or direction, including painting for background and decorative purposes; sign supports and accessories; flagpoles; electrical wiring directly connecting signs, displays, and sign devices to the first adequate power outlet accessible and adjacent to the sign, display, or sign device.</p>
L-39	<p>AIR CONDITIONING AND REFRIGERATION</p> <p>Installation, alteration, and repair of refrigeration and evaporative cooling systems.</p> <p>Installation, alteration, and repair of heating systems of "wet", "dry" or radiant type. "Wet" systems include steam or hot water boilers and coils, or baseboard convectors, and are limited to 30 PSIG operating pressure of 220° F for hot water and 15 PSIG operating pressure for steam. Dry systems include gas fired furnaces and space heaters.</p> <p>Installation, alteration, and repair of ventilation systems includes duct work, air filtering devices, water treatment devices, pneumatic or electrical controls, and control piping. Thermal and acoustical insulation, vibration isolation materials and devices, liquid fuel piping and tanks, water and gas piping from service connection to the equipment it serves. Testing and balancing of refrigerant, cooling, heating circuits, and air handling systems.</p> <p>If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel.</p>
L-40	<p>INSULATION</p> <p>Installation, alteration, and repair of insulation materials for the non-mechanical control of heat, sound, and moisture for use in the construction of structures and equipment.</p> <p>Includes installation methods and devices such as supports, fastening systems, adhesives, mastics, plastics, and material used for the preparation of insulation work and common to the industry.</p> <p>Application and installation of materials to protect or finish insulated surfaces.</p>
L-41	<p>SEPTIC TANKS & SYSTEMS</p> <p>Installation, alteration, and repair of septic tanks, aerobic digesters and leaching fields, excavation for tanks, leaching systems and piping, pipe laying for septic systems, and connection to the structure the system serves. Also included is backfilling and compaction in connection with this work.</p>
L-42	<p>ROOFING</p> <p>Installation and repair of materials common to the industry that form a watertight, weather resistant surface for roofs and decks.</p> <p>Included is sheet metal when installed in conjunction with a roofing project, application of protective and reflective roof and deck coatings, application of dampproofing or waterproofing, and installation of roof insulation panels and other roof insulation systems above roof deck.</p>
L-44	<p>IRRIGATION SYSTEMS</p>

	<p>Excavate, trench, bore, backfill, and grade as necessary for installation of irrigation systems. Installation, repair, and maintenance of irrigation systems to distribute water for the purpose of irrigation, dust and soil erosion control, using equipment, materials and fittings common to the industry. This includes electrical control panels and apparatus which are an integral part of the irrigation system. Installation of backflow prevention devices, hose bibs, service lines and connections to potable water lines from source of supply are permitted only when they are an integral part of the irrigation system. Installation of electric wiring and related fixtures of 110 volts or less for irrigation projects is included. All electrical work is limited to exterior use and only that work necessary to complete an irrigation project. If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel.</p>
L-45	<p>SHEET METAL Fabrication, installation, and repair of architectural and general products made of sheet metal common to the trade. Includes layout, cutting, fabrication, and installation of sheet metal products; assembly and installation of premanufactured sheet metal products; facsimile items such as plastic skylights and fiberglass ducts and fittings; and bracing and reinforcing materials.</p>
L-48	<p>CERAMIC, PLASTIC AND METAL TILE Installation and repair of non-structural bearing clay, glass, mosaics, metal, plastic, marble, terrazzo, slate, and other cement types of tile common to the industry installed for sanitary and decorative purposes; and setting of accessories and decorative inserts of various materials applied to surfaces by conventional methods. Placing setting beds, laying, cutting, setting, and grouting tile used for all interior and exterior structure surfaces. Includes caulking and installing various types of expansion joints and divider strips within and abutting tile work. Installation of shower doors and tub enclosures are included when a part of the original contract.</p>
L-49	<p>COMMERCIAL, INDUSTRIAL REFRIGERATION Installation, alteration, and repair of refrigeration equipment and systems used for processing, storage, and display of food products and other perishable commodities. Includes commercial, industrial, and manufacturing processes requiring refrigeration excluding comfort air conditioning. Systems may also include the following areas of work and related equipment: temperature, safety and capacity controls, thermal insulation, vibration isolation materials and devices; water treatment devices; construction and installation of walk-in refrigeration boxes, liquid fuel piping and tanks, water and gas piping from equipment to service connection; and testing and balancing of refrigeration equipment and systems. If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel.</p>
L-53	<p>WATER WELL DRILLING Drill new water wells or deepen existing water wells by use of standard practices including the use of cable tools, compressed air percussion, rotary, air rotary, or reverse circulation rotary methods. Includes installing casing, gravel pack, perforating and sanitary seals. Repair existing wells by sand pumping, jetting, acidizing, swabbing, clean out, re-perforating, swaging, installation of annealed lines, and the removal of debris. Includes photographing interior of wells with appropriate equipment. Installation of jet and submersible pumps; electrical pump controls and wiring from pump equipment to first readily accessible disconnect; and water line to storage or pressure tank, not to exceed 50 linear feet. Use of a test pump to develop a new well, or repair an existing well, when provided in contract, is limited to 5 horsepower. Installation of concrete pump bases not to exceed 50 square feet. Installation of protective fencing when included in original contract.</p>
L-54	<p>WATER CONDITIONING EQUIPMENT Installation, repair, and maintenance of water conditioning equipment, piping, fittings, and valves necessary to connect a water conditioner unit to existing piping. Installation and repair of indirect waste pipe carrying brine, backwash, and rinse water to the point of disposal only. All trenching, back filling, and grading necessary for the installation of piping for a water conditioning unit only. Installation and repair of electrical control panels (plug-in type) and apparatus of less than 25 volts or 100 watts or both (in other than hazardous locations or in raceways) and required grounding devices. Installation of exchange tanks and necessary piping. Installation of concrete supports for water conditioning units only.</p>
L-56	<p>WELDING The performance of welding techniques by the use of processes common to the industry, including general on site job layout, cutting, and assembly.</p>
L-57	<p>WRECKING Demolition, dismantling, and removal of structures not intended for reuse, the erection of temporary ramps, barricades, and pedestrian walkways when required for a wrecking project. The use of explosives is excluded.</p>
L-58	<p>COMFORT HEATING, VENTILATING, EVAPORATIVE COOLING Installation, alteration, and repair of warm air heating systems, gas fired furnaces and space heaters, ventilation and evaporative cooling units, or any combination of these. Systems may include the following areas of work and related equipment; duct work, air filtering devices,</p>

	pneumatic or electrical controls, control piping, thermal and acoustical insulation, vibration isolation materials and devices, liquid fuel piping and tanks, water and gas piping from service connection to equipment it serves. Testing and balancing of air handling systems. If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel.
L-60	FINISH CARPENTRY Installation, alteration, repair and finishing of all millwork including cabinets, counter tops, case sash, door trim, wood flooring, and other materials common to the industry.
L-61	CARPENTRY, REMODELING AND REPAIRS All rough and finish general carpentry work on new and existing structures, including installation of related hardware and accessories, without dollar limitation. All general remodeling, additions, replacements, and repairs to existing structures, and pre-manufactured items on existing structures, except electrical, plumbing, and air conditioning system work which shall be sublet to properly licensed contractors. A single contract for remodeling, repair, or a combination of both, shall not exceed \$50,000.
L-62	REINFORCING BAR AND WIRE MESH Installation of reinforcing bar and wire mesh in preparation for placement of concrete materials, including post tensioning.
L-63	APPLIANCES Installation and repair of appliances that become a fixed part of a structure, after necessary gas, electrical, or plumbing lines have been provided by properly licensed contractors. Installation of gas lines from meter to unit only where required due to improper existing pipe size. Connection of a mobile structure to the existing gas, plumbing, and electrical service facilities. Inspection and servicing of gas fired furnaces.
L-64	WOOD FLOOR LAYING AND FINISHING Installation, replacement, and repair of wood floors using materials and methods common to the industry including preparation of subflooring. Finishing and refinishing wood flooring by sanding and applying special surface treatment.
L-65	GLAZING Assembly, installation, and replacement of glass products. Installation of steel and aluminum glass holding members, glass products, and related hardware. Installation of standard methods of weatherproofing, caulking, glazing, sealants, and adhesives.
L-67	LOW VOLTAGE COMMUNICATION SYSTEMS Installation, service, repair, and maintenance of systems and devices of low voltage, including public address; intercommunication systems; telephone switchboards; call systems; master and program clocks (low voltage wiring and needed equipment only); electrical teaching devices; low voltage signaling; master television antennas; closed circuit television, and alarm systems. Installation, service, repair, and maintenance of both high and low level electronic or electrical control devices that are associated with systems of low voltage. Erection of towers on buildings for television antennas.
L-74	BOILERS, STEAMFITTING AND PROCESS PIPING, INCLUDING SOLAR Installation, alteration, and repair of steam and hot water systems and boilers including solar. Also included are chimney connections, flues, refractories, burners, piping, fittings, valves, thermal insulation and accessories; fuel and water lines from source of supply to boilers; process and specialty piping and related equipment; pneumatic and electrical controls. If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel.
L-77	PLUMBING INCLUDING SOLAR Installation, alteration, and repair of all plumbing including solar, when performed solely within property lines and not on public easements or right-of-ways except as hereinafter provided. Installation, alteration, and repair of all piping, fixtures and appliances related to water supply, including pressure vessels and tanks (excluding municipal or related water supply systems); venting and sanitary drainage systems for all fluid, semi-fluid, and organic wastes; septic tanks and leaching lines; roof leaders; lawn sprinkler systems; water conditioning equipment; piping and equipment for swimming pools. Also included are piping, fixtures, appliances, and pressure vessels for manufactured and natural gases, compressed air and vacuum systems, petroleum, fuel oil, non-potable liquids, hot water heating and hot water supply systems operating at pressures not exceeding 30 PSIG or temperatures not exceeding 220° F; steam heating and steam supply systems not exceeding 15 PSIG operating pressure; gas or oil fired space heaters and furnaces excluding duct work. Piping for water cooling systems, excluding the refrigerant piping and equipment. Testing and balancing of hydronics systems. Sewer, gas, water lines, and connections from structure to the nearest point of public supply or disposal may cross public or private easements or be installed within private easements. Pipe installed across public property may not be increased in size or make any other connection between the point of exit from private property to point of connection at public supply or disposal. These lines shall not be installed parallel to main lines in public easements or right-of-ways.
L-78	SOLAR PLUMBING LIQUID SYSTEMS ONLY Installation, alteration, and repair of solar water heating systems operating at temperatures not exceeding 220° F, including thermosyphon, direct (open loop), and indirect (closed loop),but excludes air as a transfer medium. Includes installation of collectors, storage and expansion tanks, heat exchangers, piping valves, pumps, sensors and low voltage controls which connect to existing plumbing and electrical stub-outs at the water

	<p>tank location.</p> <p>Installation of solar water heating systems for swimming pools which tie into and operate from the conventional pool systems, but excludes all non-solar plumbing, electrical and mechanical systems and components.</p> <p>Installation of back-up and auxiliary heating systems only when such systems are included in the original contract and when such systems are an integral part of the solar collector or storage equipment.</p>
L-79	<p>AIR CONDITIONING AND REFRIGERATION INCLUDING SOLAR</p> <p>Installation, alteration, and repair of refrigeration and evaporative cooling systems, including solar.</p> <p>Installation, alteration, and repair of heating systems of "wet", "dry" or radiant type. "Wet" systems include steam, or hot water boilers and coils, or baseboard convectors and are limited to 30 PSIG operating pressure of 220° F for hot water and 15 PSIG operating pressure for steam. Dry systems include gas fired furnaces and space heaters.</p> <p>Installation, alteration, and repair of ventilation systems.</p> <p>Installation of these systems include duct work, air filtering devices, water treatment devices, pneumatic or electrical controls, and control piping. Thermal and acoustical insulation, vibration isolation materials and devices, liquid fuel piping and tanks, and water and gas piping from service connection to equipment it serves. Testing and balancing of refrigerant, cooling and heating circuits, and air handling systems.</p> <p>If necessary, a new circuit may be added to the existing service panel or sub-panel. Excluded is the installation of a new service panel or sub-panel.</p>

Jump to: [A](#) [B](#) [C](#) [K](#) [L](#)

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