

CITY & COUNTY OF DENVER COMMUNITY PLANNING & DEVELOPMENT BUILDING PERMIT POLICY		
Subject: CLASSIFICATION OF LICENSES, REGISTRATIONS AND CERTIFICATES		
Approved: Scott Prisco, AIA, Building Official		
Number: ADMIN 120A	Issued Date: November 16, 2016 Revised Date: April 17, 2018	Page: 1 of 11

Reference: ADMIN Section 120

LICENSES

General - There shall be various classes of licenses with qualifications as set forth by the Building Official per standards, and the holder thereof shall be authorized to perform the following:

1. **General Contractor Class A** - To erect, add to, alter, demolish or repair any building or structure.
2. **Building Contractor Class B** - To erect, add to, alter or repair any building or structure classified as less than a high rise as defined by the International Building Code (IBC).

The demolition of any building or structure classified as less than a high rise is permitted. The contractor may install nonbearing partitions, do interior finish work, or replace windows from the interior side in any type of building or structure.

3. **Building Contractor Class C** - To erect, add to, alter or repair one and two-family dwellings U Occupancy buildings and attached single unit dwellings (IRC townhouses). The demolition of any one and two-dwelling unit building or U Occupancy building or structure is permitted.
4. **Building Contractor Specialty Class D** - To perform specialized construction work which is covered by the Code as defined below. Those building construction activities shall be approved separately and shall include but not be limited to the following:

Antennas - To add, alter, or repair antennas attached to buildings or towers. Not allowed to alter, add, or replace any structural members of a building or tower.

Building insulation - To add, alter, repair, or replace insulation including but not limited to batts, blown in, spray applied, and rigid.

Concrete and foundations - Combined excavating, shoring, piles, caissons and drilled shafts and spray applied or cast-in-place concrete.

Concrete reinforcing steel placers - Placement of reinforcing bars, pre- or post-tensioning steel, bar supports and welded wire fabric for reinforced concrete construction.

Curtain walls - Installation of curtain walls and storefronts.

Custom size replacement windows (Landmark only) - Work limited to townhouses, one and two-family dwelling unit buildings not requiring any structural alterations. Standards state: this certificate is only required if the work is being done in a landmark district. The installation of curtain walls, glass block, or storefronts is not allowed under this license. Window replacement and installation is also not allowed in any commercial buildings under this license.

Drainlayer

Drywall

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Fence structures

Fire doors – To install and repair fire doors.

Fireproofing - Application of fireproofing materials including but not limited to spray applied and intumescent coating.

Handicap accessible ramp

High piled storage racks – To install and repair high piled storage racks.

Inside tap and backflow preventer – Allows for installation of inside tap and backflow preventer for landscape sprinkler system.

Lath and plaster – Installation of all lathing and plastering including non-bearing partitions and exterior stucco or exterior texturing of buildings or structures.

Lathing, plastering and dry wall - Installation of all lathing, plastering and dry wall including the installation of nonbearing partitions and exterior stucco or exterior texturing of buildings or structures.

Lawn Irrigation (Graywater and Green Roof Only) – Installation of landscape irrigation connected to a graywater treatment works system or for green roof vegetation only. Does not allow for installation or repair of an inside tap and backflow preventer. Green roof irrigation cannot be connected to a graywater treatment works system.

Masonry - Laying and forming all types of masonry, including reinforcing.

Material handling equipment – Installation and repair of conveyor belt systems.

Metal roof – Installation and repair of metal roof systems.

Non-Structural Residential Remodel - Non-Bearing and Non-Structural work only for Single-family, duplex or IRC townhome properties.

Open deck - Including supporting foundation and attachment to buildings. This license allows construction of open roof structure and NOT shade devices or closed roof structures. Work to be done only on single-family and duplex dwellings.

Outdoor stage erection - Erection of outdoor stages, mobile stages, platforms or reviewing stands.

Overhead doors – Installation and repair of operable commercial overhead doors.

Power-operated door installers – To add, alter, or repair swinging, sliding, revolving, or folding doors which open automatically when approached by a pedestrian or open automatically upon action by pedestrian. The door closes automatically and includes provisions such as presence sensors to prevent entrapment.

Pre-cast concrete building elements - The erection of precast concrete structural elements.

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Prefabricated patios, carports, canopies and awnings – Installation of prefabricated patios, carports, canopies, and awnings. No foundation work.

Retaining walls – Install and repair retaining walls constructed of any material.

Roof covering and waterproofing - Installation of commercial and residential roof coverings, including valleys, gutters, downspouts and waterproofing.

Roofing-Green Roof Only – Installation of landscaped rooftop vegetation systems only.

Roofing-Shingles only - Installation of residential shingle roof systems.

Scaffold erection

Security bars, grills and grates

Siding – Installation and repair of siding and weather barrier but not exterior wall sheathing.

Sign (Non-electrical) - To install, erect, or maintain all types of signs unless exempt by Section 130.3.

Sign Limited (Non-Electrical) - Installation of wall and ground signs not exceeding 200 square feet or exceeding 10 feet in height.

Structural metals - The fabrication and erection of structural metal members for all buildings or structures.

Swimming pools and spas - Installation of swimming pools and spas as required by this Code including recirculation pipe. Heater requires mechanical, plumbing, boiler/AC, or steam/hot water license depending on type of system being installed and property use.

Temporary prefabricated mobile buildings - Setting up of temporary buildings.

Tenant finish (Residential and Commercial) - Interior nonbearing and nonstructural work only.

Waterproofing/Dampproofing – Seal foundation and slab systems.

Water service - Install or repair service lines and appurtenances from the corporation cock on the main up to and including:

- A. The first valve downstream of the meter, for an inside meter setting; or
- B. The first valve inside the structure, for an outside meter setting.

This license shall not permit the installation of the water meter. All work shall be performed by or under the supervision of the holder of a Water Service Supervisor Certificate or a State of Colorado Master Plumbers License.

Wood Framing – Allows for the erection of wood framing for Type III, IV, and V construction.

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5. **Access Control System Contractor** - Install, add to, alter or repair control units, electric door hardware, wiring and raceways electrically interconnected to control and regulate ingress and egress. Voltages shall not exceed 48 volts or the system shall be power limited as defined by the National Electric Code. Complete conduit or raceway systems shall not be installed by the holder of this license.
6. **Boilermaker Contractor** - To install, assemble or repair steam and hot water boilers, all pressure and non-pressure vessels, precipitators, breeching, metal stacks, plates and casings.
7. **Demolition Contractor Class A** - To demolish any building or structure.
8. **Demolition Contractor Class B** - To demolish any building or structure not more than 30 feet in height measured to highest point of the roof.
9. **Electrical Signal Contractor** - To install, add to, alter or repair electrical wiring and equipment for fire alarm, fire detection, emergency voice communication systems, emergency responders radio enhancement system (RES), electrical signaling and control wiring. Voltages shall not exceed 48 volts or the system shall be power limited as defined by the National Electrical Code. The holder of this license shall not install complete conduit or raceway systems.
10. **Fire Protection Contractor Class A** - To install, add to, alter or repair fire-extinguishing systems of all types.
11. **Fire Protection Contractor Class B** - To install, add to, alter or repair automatic fire sprinkler and standpipe systems of all types.
12. **Fire Protection Contractor Class C** - To install, add to, alter or repair approved non-water, factory engineered extinguishing systems.
13. **Gas Service Contractor** - To install, add to, alter or repair the following equipment, which utilizes gas or liquid fuel:
 - A. Gas and liquid fuel piping.
 - B. Gas and liquid fuel controls.
 - C. Commercial cooking equipment.
 - D. After burners.
 - E. Ranges.
 - F. Dryers.
 - G. Conversion burners.
 - H. Venting of domestic water heaters, dryers and incinerators.
 - I. Water heaters not exceeding 100 MBtu input.
 - J. Low voltage wiring which does not exceed 48 volts and is not enclosed in a conduit or raceway.

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- 14. Heating and Ventilating Contractor Class A** - To install, add to, alter or repair warm air heating, venting, ventilation, evaporative cooling, exhaust systems and their appurtenances, ductwork, dust collection systems, domestic and commercial range hoods, water heaters not exceeding 100 Mbtu input, gas piping; burners, controls and venting, trash and laundry chutes; exterior sheet metal, duct insulation, low voltage wiring which does not exceed 48 volts and is not enclosed in a conduit or raceway and maximum of 50 tons of refrigeration when it is utilized for comfort cooling and the refrigerating system is self-contained. This refrigeration shall not include systems with precharged lines or separate air-cooled condenser or chilled water systems.
- 15. Heating and Ventilating Contractor Class B** - To install, add to, alter or repair, in one or two-family dwellings, townhomes or U Occupancies only, warm air heating systems and their appurtenances, ductwork, ventilation, evaporative cooling, duct insulation, exterior sheet metal, gas piping; burners, venting and controls, water heaters not exceeding 100 Mbtu input and low voltage wiring which does not exceed 48 volts and is not enclosed in a conduit or raceway.
- 16. Heating Ventilating Air Conditioning Contractor (Residential Only)** - To install, add to, alter or repair, in one or two-family dwellings, IRC townhomes or U Occupancies only, 1) Heating and Ventilating - warm air heating systems and their appurtenances, ductwork, ventilation, evaporative cooling, duct insulation, exterior sheet metal, gas piping; burners, venting and controls, water heaters not exceeding 100 Mbtu input and low voltage wiring which does not exceed 48 volts and is not enclosed in a conduit or raceway. 2) Air Conditioning – refrigeration systems of 5 tons or less.
- 17. Hot Water Contractor** - To install, add to, alter or repair, in one or two-family dwellings, IRC townhomes or Group U Occupancy only, hot water heating systems and their appurtenances, solar water heating, water heaters, gas piping and controls, pipe insulation and low voltage wiring which does not exceed 48 volts and is not enclosed in a conduit or raceway.
- 18. Moving Contractor** - Moving of all types of buildings or structures.
- 19. Refrigeration Contractor Class A** - To install, add to, alter or repair refrigeration systems and appurtenant cooling towers, pipe insulation and low voltage wiring which does not exceed 48 volts and is not enclosed in a conduit or raceway. A permit or license is not required for the installation of self-contained window type air conditioners.
- 20. Refrigeration Contractor Class B** - To install, add to, alter or repair, in group one and two-family dwellings, townhouses and Group U Occupancies, refrigeration systems consisting of self-contained refrigeration systems of 5 tons or less, the installation of precharged systems utilizing Group 1 Refrigerants and gas-fired absorption chillers.
- 21. Steam and Hot Water Contractor** - To install, add to, alter or repair steam and hot water heating systems, solar water heating; process piping and related appurtenances; piping used for the transmission of chemicals, gases, air and other products; all items regulated by the Mechanical and Plumbing Code for boilers, pressure vessels, steam and water heating systems and process piping; low-static gas-fired unit heaters; industrial ovens; burners; controls; piping and controls utilizing gas, liquid or solid fuel; water

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heaters; pipe insulation and low-voltage wiring which does not exceed 48 volts and is not enclosed in a conduit or raceway.

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REGISTRATIONS

General - Registration is required for all state licensed electrical and plumbing contractors performing work in the City and County of Denver. The holder thereof shall be authorized to perform the following:

1. **Electrical Registration** - Performs all work authorized by the Registration issued by the State of Colorado.
2. **Plumbing Registration Class A** - To install, add to, alter or repair sanitary plumbing, potable water supply piping and appliances connected thereto, storm sewer, gas piping, water heaters, gas ranges, domestic gas incinerators, swimming pool and spa piping, solar plumbing utilized for potable water, and all medical gas and vacuum systems in health care facilities. All work shall be performed under the supervision of the holder of a State of Colorado Master Plumbers License.

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CERTIFICATES OF QUALIFICATION

General - A Supervisor Certificate for the particular work to be performed must be obtained prior to being issued a contractor license. Refer to the City and County of Denver website at www.denvergov.org/contractor_licensing to view the required qualifications for the certificates listed below.

CERTIFICATES REQUIRED FOR ALL LICENSE TYPES

Contractor License	Supervisor Certificate Required
General Contractor Class A	General Contractor Class A
Building Contractor Class B	Building Class B
Building Contractor Class C	Building Class C
Building Contractor Specialty Class D	Specialty Class D that correlates with the license applied for
Access Control System	Access Control System
Boilermaker	Boilermaker
Demolition Class A	Demolition Class A
Demolition Class B	Demolition Class B
Electrical Registration	State of Colorado Master Electrical License
Electrical Signal	Electrical Signal
Fire Protection Class A	Fire Protection Class A
Fire Protection Class B	Fire Protection Class A or B
Fire Protection Class C	Fire Protection Class A or C
Gas Service	Gas Service or Heating and Ventilating Class A or B
Heating & Ventilating Class A	Heating & Ventilating Class A
Heating & Ventilating Class B	Heating & Ventilating Class B
Heating Ventilating Air Conditioning (Residential)	Heating Ventilating Air Conditioning
Hot Water	Hot Water or Steam and Hot Water
Moving	Moving
Plumbing Class A	State of Colorado Master Plumber's License
Refrigeration Class A	Refrigeration Class A
Refrigeration Class B	Refrigeration Class B
Steam and Hot Water	Steam and Hot Water
Water Service	Water Service or State of Colorado Master Plumber's License

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JOURNEYMAN AND OPERATOR CERTIFICATES OF QUALIFICATION

Unless otherwise provided for in this Section or in this Code, all journeymen and operators required to be certified shall perform that work permitted under the provisions of licenses for a particular type of work. The work allowed by the certification shall be performed in the employ of the licensee hereinafter set forth.

Journeyman Certificate of Qualification

GENERAL - A Journeyman Certificate of Qualification shall be required in the following trades and shall entitle the individual to work only in the trade for which he or she is certified under a Certified Supervisor:

1. **Journeyman Boilermaker Certificate** - Allows for the installation and erection of steam and hot water boilers, pressure vessels, precipitators, incinerators, breeching, chimneys, plate and casings. The holder of this Certificate may perform this work only in the employ of a Boilermaker Contractor.
2. **Journeyman Electrical Signal Certificate** - Allows for the installation of electrical wiring and equipment for fire alarm, fire detection, emergency voice communication system, and electrical signaling and control wiring. Voltages shall not exceed 48 volts or the system shall be power limited as defined in the National Electrical Code. Complete conduit or raceway systems shall not be installed by the holder of this Certificate. The holder of this Certificate shall perform this work only in the employ of an Electrical Signal Contractor.
3. **Journeyman Gas Service Certificate** - Allows for the installation of the following equipment utilizing gas or liquid fuel:
 - A. Gas and liquid fuel piping. The low-voltage wiring permitted by this Certificate shall apply to gas or liquid fuel-fired appliances only. The holder of this Certificate may perform this work only when in the employ of a Gas Service Contractor or a Heating and Ventilating Contractor Class A or B.
 - B. Gas and liquid fuel controls.
 - C. Commercial cooking equipment.
 - D. Afterburners.
 - E. Ranges.
 - F. Dryers.
 - G. Conversion burners.
 - H. Venting of domestic water heaters, dryers and incinerators.
 - I. Water heaters not exceeding 100 Btu input.
 - J. Low-voltage wiring which does not exceed 48 volts and is not enclosed in a conduit or raceway.

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4. **Journeyman Heating Ventilating Air Conditioning Certificate** – Allows for the installation of 1) Heating and Ventilating - warm air heating, ductwork, ventilation and evaporative cooling, exterior sheet metal, water heaters not exceeding 100 Mbtu input, gas piping, burners, venting and controls, exhaust systems and appurtenances thereof, and low-voltage wiring which does not exceed 48 volts and is not enclosed in a conduit or raceway. 2) Air Conditioning – refrigeration systems and appurtenant cooling towers, pipe insulation and low voltage wiring which does not exceed 48 volts and is not enclosed in a conduit or raceway. The holder of this Certificate may perform this work only in the employ of a Heating and Ventilating Contractor Class A or Heating Ventilating Air Conditioning Contractor.
5. **Journeyman Steam Fitter Certificate** – Allows for the installation of steam and hot water heating systems; solar water heating; process and industrial piping and related appurtenances; piping used for the transmission of chemicals, gases, air, milk and other products transmitted through piping; and all items regulated by the Mechanical and Plumbing Code for boilers, pressure vessels, steam and water heating systems and process piping; low-static gas-fired unit heaters; industrial ovens; burners, piping and controls utilizing gas; low-voltage wiring which does not exceed 48 volts and is not enclosed in a conduit or raceway; commercial cooking equipment; commercial incinerators; and afterburners. The holder of this Certificate may perform this work only in the employ of a Steam and Hot Water Contractor or a Hot Water Contractor.

Stationary Engineer and Operator Certificates

GENERAL - It shall be unlawful to operate any of the following equipment without the personal attendance of a properly Certified Stationary Engineer or a properly Certified Operator:

- A. Any steam boiler and appurtenances thereto, steam pumps, steam turbines, and steam engines where the steam pressure is in excess of 15 psi working pressure and where the equipment produces a total of 10 boiler horsepower or more at Denver altitude.
- B. Water heating systems when the water temperature exceeds 250 degrees F. in the system.
- C. Refrigeration systems having manual or semiautomatic control with charges of 1500 lbs. or more of Safety Group A1 or B1 refrigerants as outlined in the Mechanical Code.
- D. Built-up grouping of multiple refrigeration units where the refrigeration system charge is 1500 lbs. or more of Safety Group A1 or B1 refrigerants as outlined in the Mechanical Code.
- E. Refrigeration systems utilizing refrigerant other than Safety Group A1 or B1 as defined in the Mechanical Code and which contains a charge of 200 lbs. or more. NOTE: As used in this Section, "semiautomatic" shall mean plants or systems which are provided with automatic safety controls by manual load proportioning controls requiring other than seasonal adjustments.

Exception:

Personal attendance shall not be required for refrigeration units, which are categorized in items 3 and 4 that:

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- A. Have fully automatic safety controls which will shut down the unit when any one of the following conditions are detected:
 - 1. Excessive pressure in condenser.
 - 2. Excessive amperage draw.
 - 3. Improper voltage balance.
 - 4. Minimum temperature protection in evaporator.
 - B. Are located in a mechanical room that is in compliance with IMC Chapter 11.
 - C. Have immediate auto-dial notification to an approved constantly attended location.
 - D. Have annual testing and calibration of all operating and safety controls as required by the manufacturers' specifications. Records shall be maintained and available for inspection by this Agency and the Fire Department.
 - E. Have refrigerant vapor detectors that have local audible or visible alarm located inside and outside of the refrigeration equipment room.
 - F. Have all safety controls that have individual manual reset to be reset only by a Certified Stationary Engineer, Refrigeration Operator or Refrigeration Journeyman/Supervisor. The control limits shall be as required by the manufacturers specifications for the specific refrigeration unit.
- 1. Stationary Engineer Certificate** - Allows the holder to take charge of and operate all steam boilers and appurtenances hereto, steam pumps, steam turbines, steam engines and mechanical refrigeration systems.
 - 2. Boiler Operator Certificate, Class A** - Allows the holder to take charge of and operate all steam boilers and appurtenances, steam pumps, steam turbines and steam engines.
 - 3. Boiler Operator Certificate, Class B** – Allows the holder to take charge of and operate all steam boilers and appurtenances, steam pumps, steam turbines and steam engines containing a steam pressure between 15 and 100 psi and where the equipment produces a total of between 10 and 100 horsepower at Denver altitude.
 - 4. Refrigeration Operator Certificate** – Allows the holder to take charge of and operate mechanical refrigeration systems.

END OF DOCUMENT