SKILLED TRADES AND APPRENTICESHIP EDUCATION ACT

ALBERTA BOARD OF SKILLED TRADES

BOARD ORDER 3 /2025

The Alberta Board of Skilled Trades, pursuant to section 14(2) of the *Skilled Trades and Apprenticeship Education Act,* hereby make the Designated Trades' Activities and Certification Requirements Order as set out in the attached Appendix.

DATED this 17 day of DECEMBER, 2025.

R Massey

Raymond (Ray) Massey
Chair, Alberta Board of Skilled Trades

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SKILLED TRADES AND APPRENTICESHIP EDUCATION ACT

Designated Trades' Activities and Certification Requirements Order BO 3/2025

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Definitions

1. In this Order,

(a) "Act" means the Skilled Trades and Apprenticeship Education Act;

(b) "activity", in respect of a designated trade or branch of a designated trade, means a task or function that is recognized by the Board as being associated with undertakings within the designated trade or the branch of a designated trade;

(c) "Administrator" means the Administrator for Designated Trades appointed under section 17(1) of the Act and includes any individual designated as a deputy Administrator under section 17(2) of the Act;

(d) "Alberta Journeyperson Certificate" means a trade certificate issued by the Administrator that indicates the holder of that trade certificate has successfully met the standards and requirements for certification in respect of the designated trade or the branch of a designated trade;

(e) "apprenticeship education program" means an apprenticeship education program established under section 3(1)(a) of the Act;

(f) "Board" means the Alberta Board of Skilled Trades established under section 13 of the Act;

(g) "board-recognized education or training" means education or training, other than an apprenticeship education program or an industry training program, recognized by the Board as meeting some or all of the standards and requirements for certification in respect of the designated trade or the branch of a designated trade;

(h) "credential",

(i) in respect of an apprenticeship education program, means a certificate, diploma or other form of proof, established under section 3(1)(c) of the Act and issued in accordance with the regulations, of successful completion of the apprenticeship education program, and

(i) in respect of an industry training program, means a form of proof, established under section 4(1)(c) of the Act and issued in accordance with the regulations, of successful completion of the industry training program;

(ii) "Department's website" means the website administered by the Minister for purposes of the Act;

(j) "designated trade" means a designated trade as listed in Schedule 1 of the Designated Trades and Restricted Activities Regulation (AR 161/2022);

(k) "industry training program" means an industry training program established under section 4(1)(a) of the Act;

(l) "undertaking", in respect of a designated trade or branch of a designated trade, means a type of work the Board considers to fall within the designated trade or the branch of a designated trade.

PART 1

Designated Trades' Undertakings and Activities

Undertakings and activities

2. The undertakings of each designated trade and branch of a designated trade and the activities performed while practicing or otherwise carrying out the undertakings of each designated trade or branch of a designated trade are set out in Schedule 1 to this Order.

PART 2

Alberta Journeyperson Certificate

Alberta Journeyperson Certificate

3. (1) An individual who successfully completes the applicable certification requirements in a designated trade or branch of a designated trade, as set out in Schedule 2 of this Order, may be issued an Alberta Journeyperson Certificate.

(2) With respect to the certification requirements set out in Schedule 2, the Administrator may grant credit for related work experience.

(3) Notwithstanding the certification requirements set out in Schedule 2, an individual with a recognized trade certificate under Part 3 of this Order with a Red Seal Endorsement in a designated trade or branch of a designated trade is not eligible for an Alberta Journeyperson Certificate in that designated trade.

PART 3

Recognized Trade Certificates for Equivalency

Definitions

4. In this Part

(a) "non-governmental body that exercises authority delegated by law" means any organization, corporation or association to whom the authority to regulate an occupation, administer a program of apprenticeship, or certify workers in an occupation has been delegated by provincial or territorial statute;

(b) "occupational standards" means the skills, knowledge and abilities required for an occupation as established by the regulatory authority and against which the qualifications of an individual in that occupation are assessed and confirmed by a document;

(c) "regulatory authority" means a

(iii) department, ministry or agency of a Canadian province or territory, or

(iv) department, ministry or agency of a non-Canadian jurisdiction, or

(v) non-governmental body

that exercises authority delegated by law;

(d) "substantially similar" means 80 per cent or more similarity in the occupational standards of an occupation as compared to the occupational standards of a designated trade or branch of a designated trade.

General recognition of documents for trade certificate equivalency

5. A valid document issued by a regulatory authority in an occupation that is substantially similar to a designated trade or branch of a designated trade, may be recognized by the Board to be equivalent to an Alberta Journeyperson Certificate in that designated trade or that branch of a designated trade.

Documents recognized as equivalent to a trade certificate

6. A list of documents recognized by the Board as equivalent to an Alberta Journeyperson Certificate for each designated trade and each branch of a designated trade is set out on the Department's website.

PART 4

Recognized Education or Training for Credit towards Certification Requirements

Definitions

7. In this Part "education or training document" means a document that indicates the holder of that document has successfully completed education or training and this education or training is not part of an apprenticeship education program or industry training program under Part 1 of the Act.

General recognition of education or training for credit

8. A list of education or training documents recognized by the Board for credit towards an Alberta Journeyperson Certificate for each designated trade and each branch of a designated trade is set out in Schedule 2.

Coming into force

9. Except for provisions identified in section 10 below, this Order comes into force on January 1, 2026.

10. The following will come into force on May 1, 2026:

    (1) sections 25 and 25.1 of Schedule 1, and

    (2) the "Electric Motor Systems Technician", "Electrician – Construction Electrician Branch", "Electrician – Industrial Electrician Branch", "Instrumentation and Control Technician", "Power System Electrician", "Powerline Technician" and "Refrigeration and Air Conditioning Mechanic" rows of Schedule 2, Section B.

Designated Trades' Activities and Certification Requirements Order 3/2025

Schedule 1 - Designated Trades' Undertakings and Activities

Designated Trade	Undertakings and Activities
Agricultural Equipment Technician	**1(1)** In this section, (a) "agricultural equipment" means any self-propelled, towed or stationary agricultural machinery used in farming, including any equipment and components required for the operation of the machinery, and includes the following: (i) internal combustion engines and components, both stationary and mobile; (ii) rubber tired and rubber or steel tracked towing equipment, commonly called tractors; (iii) towed primary and secondary tillage equipment commonly called ploughs (mouldboard, disk, chisel) and cultivators; (iv) towed and self-propelled equipment commonly called seeders, inclusive of all crops; (v) towed or self-propelled equipment commonly called sprayers or broadcasters; (vi) towed and self-propelled harvesting equipment commonly called balers, swathers, windrowers, combines or forage harvesters; (vii) miscellaneous equipment and components required in the production, distribution and transportation of farm produce; (b) "undertakings of the designated trade" means the repair, maintenance, and service of agricultural equipment. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of agricultural equipment technician: (a) repairing, maintaining and servicing of agricultural equipment, parts, and components, including the following: (i) internal combustion engines and components; (ii) power trains; (iii) electrical and electronic systems; (iv) hydraulic systems; (v) steering systems; (vi) braking systems; (vii) wheels and tracked undercarriages; (viii) heating and air conditioning systems; (ix) soil preparation systems; (x) harvesting systems; (xi) spraying systems;

	(xii) grain handling equipment; (xiii) miscellaneous equipment and systems used in the production, distribution and transportation of farm produce; (b) with respect to gasoline and diesel internal combustion 2- and 4-stroke cycle engines, (i) inspecting and testing engines and components before and after repair using a variety of hand and power tools and measuring and testing equipment, (ii) inspecting, testing, repairing and replacing components of the following: (A) liquid cooling systems; (B) air cooling filters or screening systems; (C) engine lubrication systems; (D) gasoline engine fuel systems; (E) diesel engine fuel systems; (F) air-induction systems on diesel engines, (iii) inspecting, adjusting and replacing gasoline engine ignition components, (iv) inspecting, testing, adjusting, repairing and replacing elements of engine governor systems, (v) inspecting and replacing elements of engine exhaust systems, (vi) dismantling, repairing, replacing and reassembling damaged or worn components of cylinder heads, and (vii) dismantling, cleaning, inspecting, rebuilding and reassembling the various types of cylinder block assemblies; (c) with respect to engine starting systems, inspecting, testing, replacing and repairing components of electric starter circuits; (d) with respect to electrical systems, (i) inspecting, testing, servicing and replacing storage batteries, (ii) testing, rebuilding, adjusting and replacing components of electrical charging systems, and (iii) testing, overhauling, adjusting and replacing components of lighting, warning and safety electrical systems; (e) with respect to clutches, hydraulic couplings, transmissions and transfer cases, (i) inspecting, adjusting or replacing the following: (A) clutches and components; (B) components of hydraulic couplings; (C) components of manual shift transmissions; (D) automatic gear change transmissions; (E) single and multiple speed transfer cases,

	(ii) repairing clutches and components, (iii) rebuilding the following: (A) components of manual shift transmissions; (B) automatic gear change transmissions; (C) single and multiple speed transfer cases; (D) power shift transmissions, and (iv) installing single and multiple speed transfer cases; (f) with respect to drivelines, rear and front axle assemblies and differential and final drives, (i) inspecting and replacing the following: (A) drive shafts and universal joints and components; (B) components of front and rear differentials; (C) components of front and rear axles and final drives; (D) tires, wheels and components, (ii) adjusting components of front and rear differentials, and (iii) adjusting components of front and rear axles and final drives; (g) with respect to steering systems, (i) inspecting components of the following: (A) manually operated steering systems; (B) hydraulic and electronically assisted steering systems; (C) controlled differential (pivot) and articulated steering, (ii) reconditioning and replacing components of manually operated steering systems, (iii) testing, repairing, adjusting and replacing components of hydraulic and electronically assisted steering systems, and (iv) testing, repairing, replacing and adjusting components of controlled differential (pivot) and articulated steering; (h) with respect to braking systems and power take-offs, (i) inspecting, replacing, repairing and adjusting components of the following: (A) mechanical braking systems; (B) vehicle hydraulic braking systems; (C) air and electric braking systems, (ii) testing components of mechanical braking systems, (iii) rebuilding components of vehicle hydraulic braking systems, and (iv) repairing and replacing power take-offs;

	(i) with respect to cabs, canopies and cab heating systems and air conditioning systems, (i) inspecting, repairing, replacing, installing and adjusting components of cabs or canopies and cab heating systems, and (ii) inspecting, repairing, replacing, and adjusting components of cab air conditioning systems; (j) operating tow trucks and related recovery equipment to assist in repair or moving equipment to a location where repairs can be performed; (k) with respect to agricultural equipment, inspecting, adjusting, aligning, repairing and replacing components of the following: (i) ploughs; (ii) spreaders; (iii) harrows; (iv) potato planters and grain drills; (v) sprayers; (vi) grain and pea combines; (vii) potato harvesters; (viii) balers; (ix) forage harvesters; (l) testing, removing and rebuilding components of grain and pea combines; (m) testing, removing and rebuilding components of potato harvesters.
Appliance Service Technician – Appliance Service Technician Branch	**2(1)** In this section, (a) "appliance" means the following: (i) a device or machine operated by electricity or gas that is designed and used or intended to be used for (A) the preparation, cooking or baking of food, (B) the washing or drying of dishes, utensils and cooking and baking equipment, (C) the washing or drying of clothes, (D) the disposal of garbage, (E) the filtration of air, or (F) the heating of water, including the following: (G) electric and gas ranges; (H) hood fans; (I) microwave ovens; (J) dishwashers; (K) waste compactors and waste disposers;

	(L) clothes washers; (M) electric and gas clothes dryers; (N) electric hot water heaters; (O) electronic air filters; (ii) a device or machine operated by electricity or gas that is designed and manufactured as a self-contained-, stand-alone unit used or intended to be used for (A) the cooling of food or of a space, (B) the making of ice, or (C) the dehumidification of air, including the following: (D) electric and gas refrigerators; (E) ice makers; (F) electric and gas freezers; (G) air conditioners; (H) dehumidifiers; (b) "commercial appliance" means a device or machine operated by electricity or gas that is designed and used or intended to be used for (i) the preparation, cooking or baking of food, (ii) the washing or drying of dishes, utensils and cooking and baking equipment, (iii) the washing or drying of clothes, (iv) the disposal of garbage, (v) the filtration of air, or (vi) the heating of water, and includes the following: (vii) electric and gas ranges; (viii) hood fans; (ix) microwave ovens; (x) dishwashers; (xi) waste compactors and waste disposers; (xii) clothes washers; (xiii) electric and gas clothes dryers; (xiv) electronic air filters; (xv) electric hot water heaters; (c) "undertakings of the branch of the designated trade" means the installation, service, maintenance, repair, removal and replacement of appliances and commercial appliances and their related parts and components.

	(2) When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the appliance service technician branch of the designated trade of appliance service technician: (a) installing appliances and commercial appliances, excluding initial installations governed by electrical, gas and plumbing codes and regulations; (b) servicing, maintaining and repairing of appliances and commercial appliances; (c) installing, removing, repairing and replacing parts and components of appliances and commercial appliances; (d) diagnosing problems respecting appliances and commercial appliances; (e) using hand tools, power tools and refrigeration tools while working on appliances and commercial appliances; (f) using, in relation to appliances and commercial appliances, electrical and other measuring and testing devices; (g) soldering and brazing on or in relation to appliances and commercial appliances; (h) wiring or installing or removing wiring in appliances and commercial appliances; (i) installing, removing or repairing hoses and piping in appliances and commercial appliances; (j) splicing similar and dissimilar metals used in or in relation to appliances and commercial appliances; (k) installing and removing gases and liquids used in appliances and commercial appliances.
Appliance Service Technician – Commercial Appliance Service Technician Branch	**3(1)** In this section, (a) "commercial appliance" has the same meaning as in section 2; (b) "undertakings of the branch of the designated trade" means the installation, service, maintenance, repair, removal and replacement of commercial appliances and their related parts and components. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the commercial appliance service technician branch of the designated trade of appliance service technician designated trade: (a) installing commercial appliances, excluding initial installations governed by electrical, gas and plumbing codes and regulations; (b) servicing, maintaining and repairing of commercial appliances; (c) installing, removing, repairing and replacing parts and components of commercial appliances; (d) diagnosing problems respecting commercial appliances; (e) using hand tools, power tools and refrigeration tools while working on commercial appliances;

	(f) using, in relation to commercial appliances, electrical and other measuring and testing devices; (g) wiring or installing or removing wiring in commercial appliances; (h) installing, removing or repairing hoses and piping in commercial appliances; (i) splicing similar and dissimilar metals used in or in relation to commercial appliances.
Auto Body Technician – Auto Body Prepper Branch	**4(1)** In this section, (a) "substrate" means any surface of a motor vehicle to which paint or other coatings may be applied; (b) "undertakings of the branch of the designated trade" means the following: (i) the preparation of a substrate for a finish or topcoat application where the damage is not greater than 3 mm in depth; (ii) the removal and installation of non-structural components of the body, unibody or frame to repair collision damage to the motor vehicle. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the auto body prepper branch of the auto body technician designated trade: (a) preparing a substrate for a finish or topcoat application where the damage is not greater than 3 mm in depth; (b) removing and installing non-structural components of the body, unibody or frame of a motor vehicle to repair collision damage to the motor vehicle; (c) using hand, power and auto body tools to perform the activities set out in this section; (d) recognizing substrate; (e) filling and sanding substrate; (f) protecting surfaces from the unintended application of a primer product, finish or topcoat; (g) removing and installing trim and non-structural glass; (h) mixing paint and primer products; (i) applying primer, primer surfacer-, undercoating or corrosion protection material; (j) polishing, washing and cleaning substrate.
Auto Body Technician – Auto Body Refinisher Branch	**5(1)** In this section, (a) "substrate" means any surface of a motor vehicle to which paint or other coatings may be applied; (b) "undertakings of the branch of the designated trade" means the following:

	(i) the preparation of a substrate for a finish or topcoat application; (ii) the application of a finish or topcoat to a substrate; (iii) the removal and installation of non-structural components of the body, unibody or frame to repair collision damage to the motor vehicle. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the auto body refinisher branch of the auto body technician designated trade: (a) preparing a substrate for a finish or topcoat application; (b) applying a finish or topcoat to a substrate; (c) removing and installing of non-structural components of the body, unibody or frame to repair collision damage to the motor vehicle; (d) using hand, power and auto body tools to perform the activities set out in this section; (e) performing paint damage analyses and preparing refinishing estimates; (f) recognizing substrates; (g) managing paint and paint related materials and inventories; (h) filling and sanding substrate; (i) protecting surfaces from the unintended application of a primer product, finish or topcoat; (j) removing and installing trim and non-structural glass; (k) mixing paint and primer products; (l) applying primer, primer-surfacer, undercoating or corrosion protection material; (m) colour match paint; (n) applying a finish or topcoat; (o) polishing, washing and cleaning substrate.
Auto Body Technician – Auto Body Repairer Branch	**6(1)** In this section, (a) "substrate" means any surface of a motor vehicle to which paint or other coatings may be applied; (b) "support system" means any part of a motor vehicle, excluding the chassis, body, unibody, frame or substrate; (c) "undertakings of the branch of the designated trade" means the following: (i) the preparation of a substrate for a finish or topcoat application; (ii) the repair of the following components of a motor vehicle: (A) the chassis or frame; (B) the body or unibody;

	(C) a support system damaged in a collision. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the auto body repairer branch of the auto body technician designated trade: (a) preparing a substrate for a finish or topcoat application; (b) repairing of the following components of a motor vehicle: (i) the chassis or frame; (ii) the body or unibody; (iii) a support system damaged in a collision; (c) using hand, power and auto body tools to perform the activities set out in this section; (d) performing body damage analyses and preparing repair estimates; (e) welding and cutting metal sections; (f) attaching components by welding or using adhesives or fasteners; (g) straightening, measuring or aligning motor vehicle components; (h) recognizing substrates; (i) filling and sanding substrate; (j) protecting surfaces from the unintended application of a primer product, finish or topcoat; (k) removing and installing trim and glass; (l) mixing paint and primer products; (m) applying primer, primer surfacer-, undercoating or corrosion protection material; (n) polishing, washing and cleaning substrate; (o) performing automotive detailing.
Auto Body Technician – Auto Body Technician Branch	**7(1)** In this section, (a) "substrate" means any surface of a motor vehicle to which paint or other coatings may be applied; (b) "support system" means any part of a motor vehicle, excluding the chassis, body, unibody, frame or substrate; (c) "undertakings of the branch of the designated trade" means the following: (i) the preparation of a substrate for a finish or topcoat application; (ii) the application of a finish or topcoat to a substrate; (iii) the repair of the following components of a motor vehicle: (A) the chassis or frame; (B) the body or unibody; (C) a support system damaged in a collision.

	(2) When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the auto body technician branch of the designated trade of auto body technician: (a) preparing a substrate for a finish or topcoat application; (b) applying a finish or topcoat to a substrate; (c) repairing the following components of a motor vehicle: (i) the chassis or frame; (ii) the body or unibody; (iii) a support system damaged in a collision; (d) using hand, power and auto body tools to perform the activities set out in this section; (e) performing body damage analyses and prepare repair estimates; (f) welding and cutting metal sections; (g) attaching components by welding or using adhesives or fasteners; (h) straightening, measuring or aligning motor vehicle components; (i) performing paint damage analyses and preparing refinishing estimates; (j) recognizing substrates; (k) filling and sanding substrate~~s~~; (l) managing paint and related materials and inventories; (m) protecting surfaces from the unintended application of a primer product, finish or topcoat; (n) removing and installing trim and glass; (o) mixing paint and primer products; (p) applying primer, primer surfacer-, undercoating or corrosion protection material; (q) colour match paint; (r) applying a finish or topcoat; (s) polishing, washing and cleaning substrate.
Automotive Service Technician	**8(1)** In this section, (a) "motor vehicle" means a vehicle that (i) is propelled by any power other than muscular power, (ii) is equipped with 2 or 3 axles, (iii) is not equipped with air brakes, (iv) may be registered to operate on a public highway, and (v) contains one or more of vehicle systems and related components, but does not include a motorcycle as defined in section 52;

	(b) "undertakings of the designated trade" means the diagnosis of problems and the repair of motor vehicles, including all vehicle systems and related components; (c) "vehicle maintenance services" includes (i) fluid and filter changes on any motor vehicle, (ii) tire and wheel service, (iii) replacement of engine accessory drive belts, (iv) battery testing, service or replacement, (v) exhaust system service or replacement, and (vi) installation and service of aftermarket electrical and electronic accessories; (d) "vehicle systems" includes the following: (i) vehicle propulsion systems; (ii) fuel systems; (iii) emission control systems; (iv) braking systems; (v) steering systems; (vi) suspension systems; (vii) drive train systems; (viii) vehicle management systems; (ix) electrical systems; (x) heating, ventilating and air conditioning systems; (xi) occupant restraint systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities performed within the designated trade of automotive service technician: (a) diagnosing problems with motor vehicles, including vehicle systems and related components; (b) inspecting, testing, analyzing and repairing motor vehicles, including vehicle systems and utility trailers without air brakes; (c) heating and cutting with oxyfuel equipment; (d) operating and maintaining shop equipment and tools of the designated trade; (e) performing vehicle maintenance services.
Baker	**9(1)** In this section, (a) "baked goods" means breads, cakes, pies, pastries, cookies, doughnuts and specialty baked foods and includes any baked goods that are leavened mechanically, chemically or biologically; (b) "undertakings of the designated trade" means the preparation and the production of baked goods in commercial quantities for public consumption.

	(2) When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities performed within the designated trade of baker: (a) sanitizing equipment and workspace; (b) applying computer knowledge, bookkeeping and trade terminology; (c) applying knowledge of the statutes and regulations pertaining to the food industry; (d) selecting, operating and maintaining tools and non-mechanized equipment; (e) selecting, operating and maintaining mechanized and computerized equipment; (f) developing and applying production techniques respecting the following: (i) freezer technology; (ii) par-baked products; (iii) pre-mixes and bases; (g) preparing doughs and batters; (h) preparing creams, icings, fillings, toppings, desserts, confections and ice cream; (i) applying good management techniques; (j) scaling and mixing ingredients; (k) practising baking methods; (l) applying one's knowledge with respect to the following: (i) properties of food; (ii) micro-organisms associated with foods; (iii) causes, effect and control of food borne illnesses; (iv) nutrients; (m) product labelling, including listing known allergens; (n) applying professional and personal skills; (o) applying trade calculations and mathematics.
Boilermaker	**10(1)** In this section, (a) "boilers, heat exchangers, pressure vessels and related equipment" means the following: (i) water tube boilers; (ii) fire tube boilers; (iii) heat exchangers; (iv) condensers; (v) distillation towers; (vi) stacks and stack liners;

	(vii) storage tanks; (viii) penstocks; (ix) furnaces; (x) dust, air, steam, liquid tight containers and other equipment not referred to in subclauses (i) to (ix); (xi) platforms, ladders, walkways, floors, roofs, support structures or other structures related to or used in respect of the items referred to in subclauses (i) to (x); (b) "undertakings of the designated trade" means the following: (i) the fabrication, assembly, erection, repair, maintenance, inspection, servicing, preparation and testing of boilers, heat exchangers, pressure vessels and related equipment; (ii) the stress relieving of vessels and ancillary equipment. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities performed within the designated trade of boilermaker: (a) fabricating, assembling and erecting of boilers, heat exchangers, pressure vessels and related equipment; (b) repairing, maintaining, inspecting and servicing of boilers, heat exchangers, pressure vessels and related equipment; (c) preparing and testing of boilers, heat exchangers, pressure vessels and related equipment; (d) stress relieving of vessels and ancillary equipment; (e) using detailed drawings and other specifications; (f) using all related standards, codes and regulations; (g) using hand tools, power tools and shop equipment, including post drills, radial drills, angle rolls, plate rolls, punches, shears, brakes and presses; (h) using, setting up and assembling of rigging equipment, including wire rope, block and tackle, gin poles, cranes, derricks, hoisting and jacking equipment and scaffolds; (i) using cutting and arc tack welding equipment in heat straightening, cutting and joining metals; (j) using fiberglass reinforced- plastics (i) in respect of air handling systems, including scrubbers, ducting, breeching and stacks, and (ii) in respect of tanks, hoppers and vessels; (k) using new technology related to the activities set out in this section.
Bricklayer	**11(1)** In this section, (a) "masonry" includes the following: (i) all types of bricks; (ii) all types of blocks;

	(iii) all types of stone, including cut and dressed stone; (iv) structural tiles; (v) precast concrete components; (vi) mortars; (vii) waterproofing and damp-proofing materials; (viii) refractory systems and materials; (ix) prefabricated panels constructed of any materials referred to in subclauses (i) to (viii); (b) "undertakings of the designated trade" means the erection, installation, repair and maintenance of masonry. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities performed within the designated trade of the bricklayer: (a) erecting, installing, repairing and maintaining masonry; (b) using detailed drawings, blueprints and other specifications; (c) using hand tools, power tools, levels and explosive actuated tools; (d) using mixers, masonry saws and forklifts; (e) using various mortars, units and accessories for bonding; (f) using, setting up and assembling rigging and hoisting equipment, ladders and scaffolds; (g) using any new innovative technological changes in the designated trade that relate to materials or methods of construction; (h) laying masonry; (i) installing anchoring systems; (j) placing steel reinforcing and grouts in cavities or cores; (k) pointing and cleaning masonry; (l) lining or relining chimneys, ovens, boilers and other vessels; (m) lining or relining combustion chambers in fireplaces, furnaces and kilns; (n) installing and caulking precast concrete products and prefabricated masonry panels; (o) installing insulation, waterproofing and damp-proofing- materials and air-vapour barriers.
Cabinetmaker	**12(1)** In this section, (a) "millwork" means millwork of all types and includes the following: (i) joinery; (ii) framework; (iii) architectural fixture work, including the following: (A) stair work and balustrades; (B) special design doors and windows;

	(C) custom dining rooms, lounges and lobbies; (D) other similar work; (iv) custom millwork, including the following: (A) carcase units; (B) kitchen cabinets; (C) vanities, screens and planters; (D) shelf units; (E) other similar work; (v) custom furniture, including the following: (A) tables and chairs; (B) commercial furniture; (C) institutional furniture; (D) other similar work; (b) "undertakings of the designated trade" means the fabrication and installation of millwork. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of cabinetmaker: (a) fabricating and installing millwork; (b) setting up and operating woodworking machines and equipment; (c) making layouts and patterns; (d) cutting, shaping, moulding and assembling components of wood and wood substitutes in accordance with varying specifications; (e) using fasteners and adhesive; (f) using machines and equipment; (g) using laminating procedures; (h) using hardware; (i) building and installing doors, door frames and stairs; (j) interpreting blueprints; (k) developing production drawings using manual and computer-aideddesign (CAD); (l) packaging and shipping millwork; (m) using manual and computer design and layout; (n) using and maintaining hand and portable power-operated tools; (o) machining furniture and cabinet components; (p) bending and laminating cabinet and furniture components; (q) veneering, inlaying and applying laminated plastics; (r) sanding cabinets and furniture components;

	(s) fastening, clipping, glueing or otherwise applying non-wood materials to millwork pieces; (t) performing sub-assembly, final assembly and pre-finishing of cabinets, furniture and millwork; (u) preparing and applying finishes; (v) installing millwork and cabinets on site; (w) remodeling and refinishing furniture; (x) using and programming computer numerical controlled (CNC) machines, computer-aided design (CAD) and computer-aided manufacturing (CAM) processes.
Carpenter	**13(1)** In this section, (a) "building envelope system" means the components of a building that separate heated space from unheated space or that are in contact with the exterior air or the ground; (b) "concrete reinforcement materials" includes metal or steel strands, wires, bars, mesh or sheets; (c) "structure" includes any type of residential, commercial, industrial, institutional or agricultural structure; (d) "undertakings of the designated trade" means the construction, installation and repair of structures or components of structures made of wood, concrete or other materials; (e) "wood" includes any by-product of wood, wood substitutes and similar materials. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of carpenter: (a) working with or making things with wood in the construction, installation or repair of structures or components of structures; (b) preparing site and building layouts; (c) constructing foundations and concrete structures; (d) framing structures; (e) applying interior and exterior finishes; (f) reviewing and interpreting construction drawings, plans, specifications, building codes and related documentation; (g) inspecting sub-soil excavations of structures; (h) operating hand and power tools related to the designated trade; (i) shoring and underpinning of existing structures, parts of structures or excavations; (j) laying out and erecting batter boards, building lines and setting elevations; (k) installing, using and dismantling personnel handling devices, scaffolds, ropes, slings, hoists on rigging installations, ladders, shoring, covered walkways and barricades;

	(l) assembling, erecting, installing and dismantling structures; (m) setting up hoarding and other temporary structures; (n) framing the following: (i) exterior walls and interior partitions; (ii) architectural features; (iii) post and beam construction and timber framing; (iv) plank walls; (v) roof systems; (vi) blocking, nailers and firestops; (vii) ceiling and floor systems; (o) installing the following: (i) preserved wood foundations; (ii) sill plates on foundation walls; (iii) drainage tile and pipe; (iv) beams and columns; (v) floor frames; (vi) wood stairways and railings; (vii) metal stud non-loadbearing walls; (viii) suspended ceiling systems; (ix) engineered pre-fabricated roof systems; (x) roof coverings; (xi) exterior and interior doors and windows; (xii) insulation materials in ceilings, walls and floors; (viii) air and vapour barriers; (xiv) caulking, adhesion and sealant materials; (xv) exterior wall finishes; (xvi) building envelope systems; (xvii) gypsum and non-gypsum products on interior walls and ceilings; (xviii) interior cabinets, display cases, mirrors, counters, laminates, panelling, mouldings and trim; (xix) prefabricated fireplaces; (xx) exterior attachments to structures including additions, porches, stoops and verandas; (xxi) timber bents to support ramps, platforms and heavy piping; (xxii) timber culverts; (p) placement of precast concrete panels; (q) building and stripping forms for the following:

	(i) beams and girders; (ii) piers and columns; (r) building forms, installing concrete reinforcement materials, placing and consolidating concrete and stripping forms for the following: (i) footings; (ii) walls; (iii) floors; (iv) sidewalks, driveways and curbs; (v) stairs; (vi) built in- place concrete manholes-, catch basins, utility vaults and other underground service boxes; (vii) tilt-up precast concrete panels; (viii) void forms for grade or subterranean concrete.
Cathodic Protection Technician – Level One Branch	**14(1)** In this section, (a) "cathodic protection system" means an electrical system, as defined in section 23, that reduces the corrosion of a metal surface by making the metal surface into the cathode of an electrochemical cell; (b) "external electrical circuit" means the components of an impressed current cathodic protection system that are down line of the rectifier; (c) "galvanic anode cathodic protection system" means a cathodic protection system in which a metal provides cathodic protection to another metal that is more noble, when the metals are electrically coupled in an electrolyte; (d) "impressed current cathodic protection system" means a cathodic protection system in which a direct current is supplied by a power source; (e) "installed" means a state of being physically connected to a power source; (f) "rectifier" means the component of an impressed current cathodic protection system that starts with the input terminal of the internal breaker and includes all wiring, connections and components up to and including the output terminals, and the enclosure; (g) "undertakings of the branch of the designated trade" means the installation, commissioning, maintenance, repair and decommissioning of cathodic protection systems but does not include the maintenance and repair of a rectifier that is installed. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the level one branch of the designated trade of cathodic protection technician: (a) installing, commissioning, monitoring, evaluating, maintaining, repairing and decommissioning the external electrical circuit portion of an impressed current cathodic protection system;

	(b) installing, commissioning, monitoring, evaluating, maintaining, repairing and decommissioning a galvanic anode cathodic protection system; (c) maintaining and repairing a rectifier that is not installed; (d) preparing for planned cathodic protection projects; (e) complying with all applicable regulations, codes and standards; (f) understanding the use and operation of testing equipment; (g) performing basic troubleshooting on cathodic protection systems; (h) conducting function tests; (i) gathering data; (j) preparing reports and records; and (k) troubleshooting and replacing components of a rectifier that is not installed.
Cathodic Protection Technician – Level Two Branch	**15(1)** In this section, (a) "cathodic protection system" means an electrical system, as defined in section 25, that reduces the corrosion of a metal surface by making the metal surface into the cathode of an electrochemical cell; (b) "external electrical circuit" means the components of an impressed current cathodic protection system that are down line of the rectifier; (c) "galvanic anode cathodic protection system" means a cathodic protection system in which a metal provides cathodic protection to another metal that is more noble, when the metals are electrically coupled in an electrolyte; (d) "impressed current cathodic protection system" means a cathodic protection system in which a direct current is supplied by a power source; (e) "installed" means a state of being physically connected to a power source; (f) "rectifier" means the component of an impressed current cathodic protection system that starts with the input terminal of the internal breaker and includes all wiring, connections and components up to and including the output terminals, and the enclosure; (g) "undertakings of the branch of the designated trade" means the installation, commissioning, maintenance, repair and decommissioning of cathodic protection systems but does not include the maintenance and repair of a rectifier that is installed. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the level two branch of the designated trade of cathodic protection technician: (a) installing, commissioning, monitoring, evaluating, maintaining, repairing and decommissioning the external electrical circuit portion of an impressed current cathodic protection system; (b) installing, commissioning, monitoring, evaluating, maintaining, repairing and decommissioning a galvanic anode cathodic protection system;

	(c) maintaining and repairing a rectifier that is not installed; (d) preparing for planned cathodic protection projects; (e) complying with all applicable regulations, codes and standards; (f) understanding the use and operation of testing equipment; (g) performing basic troubleshooting on cathodic protection systems; (h) conducting function tests; (i) gathering data; (j) preparing reports and records; (k) troubleshooting and replacing components of a rectifier that is not installed; (l) overall responsibility for planning and completing cathodic protection projects; (m) ensuring safe practices and procedures; (n) conducting, verifying and evaluating the accuracy of test results; (o) preparing assignments and supervising a crew in cathodic protection system work; (p) managing inspection reports and log books; (q) performing advanced troubleshooting on cathodic protection systems and components; (r) educating stakeholders regarding cathodic protection systems; (s) co-ordinating the work of qualified tradespersons; (t) preparing and submitting cathodic protection system project estimates and bids; (u) providing assistance in the design and installation of cathodic protection systems; and (v) performing commissioning and decommissioning checks.
Communication Technician	**16(1)** In this section, (a) "communication system" means any type of industrial, commercial or domestic electrical, fibre or wireless communication system and includes transmission equipment, switching equipment and network management control equipment for the following: (i) video; (ii) voice; (iii) data; (iv) signaling; (b) "undertakings of the designated trade" means the installation, repair, maintenance and upgrade of communication systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of communication technician:

	(a) installing, repairing, maintaining and upgrading communication systems; (b) using hand tools, power tools, testing equipment and tools required by the designated trade; (c) installing, terminating and testing copper and fibre optic cables in communication systems; (d) installing and laying out raceways and supporting framework for communication systems; (e) installing, troubleshooting, maintaining and commissioning equipment and apparatus used in communication systems; (f) interpreting and applying the provisions of the *Safety Codes Act* and the regulations under that Act; (g) interpreting communications systems drawings and prints.
Concrete Finisher	**17(1)** In this section, (a) "concrete" means cement products and includes the following: (i) cements; (ii) concrete; (iii) aggregate; (iv) grouts; (v) patching materials; (vi) toppings; (vii) admixtures; (viii) agents; (ix) epoxies; (x) protective coatings; (b) "undertakings of the designated trade" means the placing, finishing, restoring and repairing of concrete. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of concrete finisher: (a) placing of concrete; (b) handling of concrete; (c) finishing concrete; (d) restoring concrete; (e) repairing and resurfacing concrete; (f) applying curing treatments to concrete; (g) applying surface treatments to concrete; (h) consolidating and compacting concrete; (i) edging, jointing and grooving concrete; (j) producing various finishes on concrete surfaces;

	(k) applying treatments to concrete; (l) cutting and coring hardened concrete; (m) scarifying concrete; (n) applying dry, wet and epoxy grouts; (o) using detailed drawings, blueprints and other specifications; (p) using hand tools, power tools, levels and explosive actuated tools; (q) using mixers, wall sawing, floor sawing, grooving, coring and grinding equipment; (r) using power consolidating, power screeding and power trowelling equipment; (s) using, setting up and assembling rigging and hoisting equipment, ladders and scaffolds; (t) using any new innovative technological changes in the designated trade in relation to the activities set out in this section.
Construction Craft Worker	**18(1)** In this section, (a) "buildings, structures or premises" includes the following: (i) municipal sewer and water mains; (ii) roads; (iii) dams; (iv) bridges; (v) tunnels; (vi) railways; (vii) canals and other similar works; (b) "undertakings of the designated trade" means the preparation, clean-up, material handling, demolition, excavation and compaction on or around buildings, structures or premises. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of construction craft worker: (a) preparing, maintaining and cleaning up site; (b) excavating, subgrade working and compacting; (c) assisting with concrete and similar work and, without limiting the generality of the foregoing, includes: (i) placing, consolidating and striking-off of concrete and masonry; (ii) maintaining of curing conditions; (iii) demolition and removing of concrete and masonry; (iv) mixing and distribution of grout and mortar; (v) stock piling and distributing masonry units and building materials;

	(vi) installing edge forms; (d) cleaning and coating of formwork and stripping of non-reusable formwork; (e) installing concrete paving stones; (f) cleaning and securing the building site and containing construction refuse; (g) operating and maintaining gasoline, pneumatic, power actuated, electric and hydraulic tools related to the occupation; (h) flame cutting of mild non-tempered steel; (i) operating and maintaining stationary compressors and portable generators; (j) using and maintaining hand and power tools related to the designated trade; (k) using basic site management procedures; (l) assisting with survey and measurement activities; (m) excavating, trenching, backfilling and compacting around foundation structures with tools related to the designated trade; (n) preparing piles and bells; (o) installing subgrade drainage and foundation damp-proofing; (p) setting up and assembling ladders and scaffolding for use in the designated trade; (q) transporting scaffolding components to and from the site at which the scaffolds are to be erected; (r) assisting with the excavation shoring and placement of temporary enclosures; (s) performing rigging related to the designated trade; (t) signalling with respect to the operation of construction equipment; (u) installing, connecting, tying-in and testing works that make up municipal sewer and water mains.
Cook	**19(1)** In this section, "undertakings of the designated trade" means the preparation and the cooking of a variety of full course meals including appetizers, starches, main courses, vegetables and desserts in commercial quantities for public consumption. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of cook: (a) maintaining personal hygiene and applying sanitation and safe food handling techniques; (b) operating and maintaining kitchen tools and equipment; (c) identifying and preparing different types of food; (d) maintaining and applying cooking principles and methods with respect to all aspects of cooking from basic cooking to advanced cooking;

	(e) cleaning, preparing and cooking vegetables, fruits and fungi; (f) preparing stocks, sauces and soups; (g) using seasonings, herbs and spices; (h) preparing egg and dairy products; (i) preparing and cooking starches, farinaceous foods and cereals; (j) preparing, cooking and dressing fish and seafood; (k) preparing and cooking meats, poultry, game and variety meats; (l) producing baked pastry and dessert products; (m) preparing cold foods and buffets; (n) preparing and cooking value added products; (o) applying nutritional values and meeting special dietary needs; (p) using cooking and chilling systems; (q) preparing, cooking and storing food items for preservation; (r) applying purchasing and management control; (s) applying management skills.
Crane and Hoisting Equipment Operator – Boom Truck Operator Branch	**20(1)** In this section, (a) "boom truck" means a crane consisting of a rotating superstructure operating machinery on a centre post or turntable that (i) has one or more operator stations mounted on a frame attached to a commercial truck chassis or trailer chassis, (ii) typically retains a payload hauling capacity and has a power source capable of powering the crane, and (iii) is equipped with (A) a boom that is capable of swinging, hoisting and booming up and down and that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), (B) a telescoping boom that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), (C) an articulating boom possessing live lines that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), or (D) an articulating boom without live lines that has a lifting capacity greater than 8 tons (7.3 tonnes) and equal to or less than 65 tons (59 tonnes); (b) "crane and hoisting equipment" means a mobile crane, a tower crane, a boom truck or a wellhead boom truck, but does not include (i) an overhead bridge-type crane, (ii) a crane that is used exclusively for raising, lowering and towing motor vehicles,

(iii) a crane that is mounted on a motor vehicle that is used exclusively for firefighting,

(iv) a machine, commonly known as a side-boom- or pipe layer, that is used for pipeline work to lower pipes into a trench,

(v) an aerial device that is commonly known as a personnel lift or personnel hoist,

(vi) a mobile lifting device designed exclusively for use in power line and electric utility services, such as digger derricks and radial boom derricks used to auger holes and to set utility poles and place associated equipment,

(vii) equipment designed exclusively to move earth,

(viii) a crane that

(A) is operated at a mine site,

(B) is used with a special attachment to move earth or material, and

(C) meets the requirements of and is operated in accordance with the *Occupational Health and Safety Act* and the regulations under that Act,

(ix) an aerial material handling device with or without live lines, or

(x) equipment designed exclusively for drilling or driving piles and casings;

(c) "hydraulic mobile crane" means any device or structure that

(i) incorporates a hydraulic driven drum and cable or rope used for raising, lowering or moving material,

(ii) is equipped with a telescoping boom capable of moving in the vertical plane,

(iii) is mounted on a pedestal, base or chassis, either crawler, trailer or wheel mounted, to provide mobility,

(iv) has a lifting capacity of 15 tons (13.6 tonnes) or greater, and

(v) may incorporate a ring assembly or a strand jacking system for hoisting;

(d) "lattice boom mobile crane" means any device or structure that

(i) incorporates a friction or hydraulic driven drum and cable or rope used for raising, lowering or moving material,

(ii) is equipped with a lattice boom capable of moving in the vertical plane,

(iii) is mounted on a pedestal, base or chassis, either crawler, trailer or wheel mounted, to provide mobility, and

(iv) has a lifting capacity of 15 tons (13.6 tonnes) or greater;

(e) "lifting capacity" means the highest capacity at the shortest lifting radius, as defined by the load chart installed on the mobile crane, tower crane, boom truck or wellhead boom truck;

(f) "mobile crane" means

	(i) a hydraulic mobile crane or a lattice boom mobile crane, and (ii) a boom truck or a wellhead boom truck that has a lifting capacity greater than 65 tons (59 tonnes); (g) "routine maintenance" means the maintenance activities recommended by the manufacturer for the crane or hoisting equipment in question; (h) "testing" means a procedure, used in the course of normal operation only, to determine that the crane or hoisting equipment in question is functioning, and does not include routine maintenance or repair activities; (i) "tower crane" means any mechanical device or structure that (i) is designed to incorporate a power driven drum and cable or rope and a vertical mast or tower and a jib, (ii) is of the travelling, fixed, climbing or self-erecting type, and (iii) is used exclusively for raising, lowering or moving material; (j) "undertakings of the branch of the designated trade" means the operation, testing and routine maintenance of boom trucks and wellhead boom trucks but does not include the installation or repair of crane and hoisting equipment by persons other than the operators of crane and hoisting equipment; (k) "wellhead boom truck" means a boom truck that is used for one or more of the following: (i) wellhead pumping operations; (ii) wireline operations; (iii) perforating operations; (iv) coiled tubing operations; (v) snubbing operations; (vi) the rig up and rig out of slant service rigs. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the boom truck operator branch of the designated trade of crane and hoisting equipment operator: (a) operating, testing and performing routine maintenance of boom trucks or wellhead boom trucks; (b) using hand tools, power tools and specialized equipment while maintaining and operating boom trucks and related equipment; (c) recognizing and identifying malfunctions relating to boom trucks and related equipment or their operation and the proper procedures to be applied when recognizing and identifying such malfunctions; (d) recognizing and identifying conditions that are potentially hazardous to safe machine operation; (e) interpreting and applying visual and audio communications; (f) communicating with management, signallers and riggers using visual and audio systems;

	(g) inspecting and maintaining boom cranes and related equipment to determine that the crane or hoisting equipment in question is functioning, excluding routine maintenance or repair activities; (h) performing rigging related to the designated trade; (i) carrying out pre-lift planning and pre-lift tasks when preparing for lifts; (j) performing the activities of the wellhead boom truck operator branch of the designated trade as set out in section 23.
Crane and Hoisting Equipment Operator – Mobile Crane Operator Branch	**21(1)** In this section, (a) "boom truck" means a crane consisting of a rotating superstructure operating machinery on a centre post or turntable that (i) has one or more operator stations mounted on a frame attached to a commercial truck chassis or trailer chassis, (ii) typically retains a payload hauling capacity and has a power source capable of powering the crane, and (iii) is equipped with (A) a boom that is capable of swinging, hoisting and booming up and down and that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), (B) a telescoping boom that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), (C) an articulating boom possessing live lines that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), or (D) an articulating boom without live lines that has a lifting capacity greater than 8 tons (7.3 tonnes) and equal to or less than 65 tons (59 tonnes); (b) "crane and hoisting equipment" means a mobile crane, a tower crane, a boom truck or a wellhead boom truck, but does not include (i) an overhead -bridge type- crane, (ii) a crane that is used exclusively for raising, lowering and towing motor vehicles, (iii) a crane that is mounted on a motor vehicle that is used exclusively for firefighting, (iv) a machine, commonly known as a side-boomor pipe layer, that is used for pipeline work to lower pipes into a trench, (v) an aerial device that is commonly known as a personnel lift or personnel hoist, (vi) a mobile lifting device designed exclusively for use in power line and electric utility services, such as digger derricks and radial boom derricks used to auger holes and to set utility poles and place associated equipment, (vii) equipment designed exclusively to move earth,

	(viii) a crane that (A) is operated at a mine site, (B) is used with a special attachment to move earth or material, and (C) meets the requirements of and is operated in accordance with the *Occupational Health and Safety Act* and the regulations under that Act, (ix) an aerial material handling device with or without live lines, or (x) equipment designed exclusively for drilling or driving piles and casings; (c) "hydraulic mobile crane" means any device or structure that (i) incorporates a hydraulic driven drum and cable or rope used for raising, lowering or moving material, (ii) is equipped with a telescoping boom capable of moving in the vertical plane, (iii) is mounted on a pedestal, base or chassis, either crawler, trailer or wheel mounted, to provide mobility, (iv) has a lifting capacity of 15 tons (13.6 tonnes) or greater, and (v) may incorporate a ring assembly or a strand jacking system for hoisting; (d) "lattice boom mobile crane" means any device or structure that (i) incorporates a friction or hydraulic driven drum and cable or rope used for raising, lowering or moving material, (ii) is equipped with a lattice boom capable of moving in the vertical plane, (iii) is mounted on a pedestal, base or chassis, either crawler, trailer or wheel mounted, to provide mobility, and (iv) has a lifting capacity of 15 tons (13.6 tonnes) or greater; (e) "lifting capacity" means the highest capacity at the shortest lifting radius, as defined by the load chart installed on the mobile crane, tower crane, boom truck or wellhead boom truck; (f) "mobile crane" means (i) a hydraulic mobile crane or a lattice boom mobile crane, and (ii) a boom truck or a wellhead boom truck that has a lifting capacity greater than 65 tons (59 tonnes); (g) "routine maintenance" means the maintenance activities recommended by the manufacturer for the crane or hoisting equipment in question; (h) "testing" means a procedure, used in the course of normal operation only, to determine that the crane or hoisting equipment in question is functioning, and does not include routine maintenance or repair activities; (i) "tower crane" means any mechanical device or structure that

	(i) is designed to incorporate a power driven drum and cable or rope and a vertical mast or tower and a jib, (ii) is of the travelling, fixed, climbing or self- erecting- type, and (iii) is used exclusively for raising, lowering or moving material; (j) "undertakings of the branch of the designated trade" means the operation, testing and routine maintenance of mobile cranes, boom trucks and wellhead boom trucks but does not include the installation or repair of crane and hoisting equipment by persons other than the operators of crane and hoisting equipment; (k) "wellhead boom truck" means a boom truck that is used for one or more of the following: (i) wellhead pumping operations; (ii) wireline operations; (iii) perforating operations; (iv) coiled tubing operations; (v) snubbing operations; (vi) the rig up and rig out of slant service rigs. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the mobile crane operator branch of the designated trade of crane and hoisting equipment operator: (a) operating, testing and performing routine maintenance of mobile cranes, boom trucks, and wellhead boom trucks; (b) using hand tools, power tools and specialized equipment while maintaining and operating mobile cranes and related equipment; (c) recognizing and identifying malfunctions relating to mobile cranes and related equipment or their operation and the proper procedures to be applied when recognizing and identifying such malfunctions; (d) recognizing and identifying conditions that are potentially hazardous to safe machine operation; (e) interpreting and applying visual and audio communications; (f) communicating with management, signallers and riggers using visual and audio systems; (g) inspecting and maintaining mobile cranes and related equipment; (h) performing rigging related to the designated trade; (i) carrying out pre-lift planning and pre-lift tasks when preparing for lifts; (j) assembling mobile cranes and related equipment for lifts; (k) disassembling mobile cranes for transport; (l) performing the activities of the boom truck operator branch of the designated trade as set out in section 20;

	(m) performing the activities of the wellhead boom truck operator branch of the designated trade as set out in section 23.
Crane and Hoisting Equipment Operator – Tower Crane Operator Branch	**22(1)** In this section, (a) "boom truck" means a crane consisting of a rotating superstructure operating machinery on a centre post or turntable that (i) has one or more operator stations mounted on a frame attached to a commercial truck chassis or trailer chassis, (ii) typically retains a payload hauling capacity and has a power source capable of powering the crane, and (iii) is equipped with (A) a boom that is capable of swinging, hoisting and booming up and down and that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), (B) a telescoping boom that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), (C) an articulating boom possessing live lines that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), or (D) an articulating boom without live lines that has a lifting capacity greater than 8 tons (7.3 tonnes) and equal to or less than 65 tons (59 tonnes); (b) "crane and hoisting equipment" means a mobile crane, a tower crane, a boom truck or a wellhead boom truck, but does not include (i) an overhead bridgetype- crane, (ii) a crane that is used exclusively for raising, lowering and towing motor vehicles, (iii) a crane that is mounted on a motor vehicle that is used exclusively for firefighting, (iv) a machine, commonly known as a side-boom or pipe layer, that is used for pipeline work to lower pipes into a trench, (v) an aerial device that is commonly known as a personnel lift or personnel hoist, (vi) a mobile lifting device designed exclusively for use in power line and electric utility services, such as digger derricks and radial boom derricks used to auger holes and to set utility poles and place associated equipment, (vii) equipment designed exclusively to move earth, (viii) a crane that (A) is operated at a mine site, (B) is used with a special attachment to move earth or material, and

	(C) meets the requirements of and is operated in accordance with the *Occupational Health and Safety Act* and the regulations under that Act, (ix) an aerial material handling device with or without live lines, or (x) equipment designed exclusively for drilling or driving piles and casings; (c) "hydraulic mobile crane" means any device or structure that (i) incorporates a hydraulic driven drum and cable or rope used for raising, lowering or moving material, (ii) is equipped with a telescoping boom capable of moving in the vertical plane, (iii) is mounted on a pedestal, base or chassis, either crawler, trailer or wheel mounted, to provide mobility, (iv) has a lifting capacity of 15 tons (13.6 tonnes) or greater, and (v) may incorporate a ring assembly or a strand jacking system for hoisting; (d) "lattice boom mobile crane" means any device or structure that (i) incorporates a friction or hydraulic driven drum and cable or rope used for raising, lowering or moving material, (ii) is equipped with a lattice boom capable of moving in the vertical plane, (iii) is mounted on a pedestal, base or chassis, either crawler, trailer or wheel mounted, to provide mobility, and (iv) has a lifting capacity of 15 tons (13.6 tonnes) or greater; (e) "lifting capacity" means the highest capacity at the shortest lifting radius, as defined by the load chart installed on the mobile crane, tower crane, boom truck or wellhead boom truck; (f) "mobile crane" means (i) a hydraulic mobile crane or a lattice boom mobile crane, and (ii) a boom truck or a wellhead boom truck that has a lifting capacity greater than 65 tons (59 tonnes); (g) "routine maintenance" means the maintenance activities recommended by the manufacturer for the crane or hoisting equipment in question; (h) "testing" means a procedure, used in the course of normal operation only, to determine that the crane or hoisting equipment in question is functioning, and does not include routine maintenance or repair activities; (i) "tower crane" means any mechanical device or structure that (i) is designed to incorporate a power driven drum and cable or rope and a vertical mast or tower and a jib, (ii) is of the travelling, fixed, climbing or -self erecting type, and (iii) is used exclusively for raising, lowering or moving material;

	(j) "undertakings of the branch of the designated trade" means the operation, testing and routine maintenance of tower cranes but does not include the installation or repair of crane and hoisting equipment by persons other than the operators of crane and hoisting equipment; (k) "wellhead boom truck" means a boom truck that is used for one or more of the following: (i) wellhead pumping operations; (ii) wireline operations; (iii) perforating operations; (iv) coiled tubing operations; (v) snubbing operations; (vi) the rig up and rig out of slant service rigs. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the tower crane operator branch of the designated trade of crane and hoisting equipment operator: (a) operating, testing and performing routine maintenance of tower cranes; (b) using hand tools, power tools and specialized equipment while maintaining and operating tower cranes and related equipment; (c) recognizing and identifying malfunctions relating to tower cranes and related equipment or their operation and the proper procedures to be applied when recognizing and identifying such malfunctions; (d) recognizing and identifying conditions that are potentially hazardous to safe machine operation; (e) interpreting and applying visual and audio communications; (f) communicating with management, signallers and riggers using visual and audio systems; (g) inspecting and maintaining tower cranes and related equipment to determine that the crane or hoisting equipment in question is functioning, excluding routine maintenance or repair activities; (h) performing rigging related to the designated trade; (i) carrying out pre-lift planning and pre-lift tasks when preparing for lifts; (j) assembling tower cranes and related equipment for lifts; (k) disassembling tower cranes for transport.
Crane and Hoisting Equipment Operator – Wellhead Boom Truck Operator Branch	**23(1)** In this section, (a) "boom truck" means a crane consisting of a rotating superstructure operating machinery on a centre post or turntable that (i) has one or more operator stations mounted on a frame attached to a commercial truck chassis or trailer chassis,

	(ii) typically retains a payload hauling capacity and has a power source capable of powering the crane, and (iii) is equipped with (A) a boom that is capable of swinging, hoisting and booming up and down and that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), (B) a telescoping boom that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), (C) an articulating boom possessing live lines that has a lifting capacity greater than 5 tons (4.5 tonnes) and equal to or less than 65 tons (59 tonnes), or (D) an articulating boom without live lines that has a lifting capacity greater than 8 tons (7.3 tonnes) and equal to or less than 65 tons (59 tonnes); (b) "crane and hoisting equipment" means a mobile crane, a tower crane, a boom truck or a wellhead boom truck, but does not include (i) an overhead bridge-type crane, (ii) a crane that is used exclusively for raising, lowering and towing motor vehicles, (iii) a crane that is mounted on a motor vehicle that is used exclusively for firefighting, (iv) a machine, commonly known as a side-boom or pipe layer, that is used for pipeline work to lower pipes into a trench, (v) an aerial device that is commonly known as a personnel lift or personnel hoist, (vi) a mobile lifting device designed exclusively for use in power line and electric utility services, such as digger derricks and radial boom derricks used to auger holes and to set utility poles and place associated equipment, (vii) equipment designed exclusively to move earth, (viii) a crane that (A) is operated at a mine site, (B) is used with a special attachment to move earth or material, and (C) meets the requirements of and is operated in accordance with the *Occupational Health and Safety Act* and the regulations under that Act, (ix) an aerial material handling device with or without live lines, or (x) equipment designed exclusively for drilling or driving piles and casings; (c) "hydraulic mobile crane" means any device or structure that

	(i) incorporates a hydraulic driven drum and cable or rope used for raising, lowering or moving material, (ii) is equipped with a telescoping boom capable of moving in the vertical plane, (iii) is mounted on a pedestal, base or chassis, either crawler, trailer or wheel mounted, to provide mobility, (iv) has a lifting capacity of 15 tons (13.6 tonnes) or greater, and (v) may incorporate a ring assembly or a strand jacking system for hoisting; (d) "lattice boom mobile crane" means any device or structure that (i) incorporates a friction or hydraulic driven drum and cable or rope used for raising, lowering or moving material, (ii) is equipped with a lattice boom capable of moving in the vertical plane, (iii) is mounted on a pedestal, base or chassis, either crawler, trailer or wheel mounted, to provide mobility, and (iv) has a lifting capacity of 15 tons (13.6 tonnes) or greater; (e) "lifting capacity" means the highest capacity at the shortest lifting radius, as defined by the load chart installed on the mobile crane, tower crane, boom truck or wellhead boom truck; (f) "mobile crane" means (i) a hydraulic mobile crane or a lattice boom mobile crane, and (ii) a boom truck or a wellhead boom truck that has a lifting capacity greater than 65 tons (59 tonnes); (g) "routine maintenance" means the maintenance activities recommended by the manufacturer for the crane or hoisting equipment in question; (h) "testing" means a procedure, used in the course of normal operation only, to determine that the crane or hoisting equipment in question is functioning, and does not include routine maintenance or repair activities; (i) "tower crane" means any mechanical device or structure that (i) is designed to incorporate a power driven drum and cable or rope and a vertical mast or tower and a jib, (ii) is of the travelling, fixed, climbing or self-erecting type, and (iii) is used exclusively for raising, lowering or moving material; (j) "undertakings of the branch of the designated trade" means the operation, testing and routine maintenance of wellhead boom trucks but does not include the installation or repair of crane and hoisting equipment by persons other than the operators of crane and hoisting equipment; (k) "wellhead boom truck" means a boom truck that is used for one or more of the following: (i) wellhead pumping operations;

	(ii) wireline operations; (iii) perforating operations; (iv) coiled tubing operations; (v) snubbing operations; (vi) the rig up and rig out of slant service rigs. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the wellhead boom truck operator branch of the designated trade of crane and hoisting equipment operator: (a) operating, testing and performing routine maintenance of wellhead boom trucks; (b) using hand tools, power tools and specialized equipment while maintaining wellhead boom trucks and related equipment; (c) recognizing and identifying malfunctions relating to wellhead boom trucks and related equipment and the proper procedures to be applied when recognizing and identifying such malfunctions; (d) recognizing and identifying conditions that are potentially hazardous to safe machine operation; (e) interpreting and applying visual and audio communications; (f) communicating with management, signallers and riggers using visual and audio systems; (g) inspecting and maintaining wellhead boom trucks and related equipment to determine that the crane or hoisting equipment in question is functioning, excluding routine maintenance or repair activities; (h) performing rigging related to the designated trade; (i) carrying out pre-lift planning and pre-lift tasks when preparing for lifts.
Electric Motor Systems Technician	**24(1)** In this section, (a) "electrical machines, systems and equipment" means the following: (i) electrical measuring devices; (ii) electrical machine components; (iii) all types of electro-mechanical equipment whether or not it is (A) gear driven, (B) belt driven, or (C) direct coupled; (iv) electrical switching circuits; (v) electrical fans, blowers and pumps; (vi) transformers; (vii) single phase motors; (viii) magnetic switches and control circuits;

	(ix) phase converters; (x) three phase motors, starters and controllers; (xi) synchronous machines; (xii) industrial electronic controls; (xiii) electric welders; (xiv) eddy current clutches, couplings and brakes; (xv) inverter and vector drives; (xvi) static and dynamic balancing; (xvii) programmable controllers; (b) "undertakings of the designated trade" means the repair, installation, replacement, modification and testing of electrical machines, systems and equipment. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of electric motor systems technician: (a) installing electrical machines, systems and equipment; (b) repairing, replacing, modifying and testing of electrical machines, systems and equipment; (c) testing, repairing and reconditioning electric machines, motors and generators and AC and DC welders; (d) modifying motors, including windings, electrical connections and bearings; (e) rigging and hoisting related to the designated trade; (f) performing power measurement; (g) reconditioning and repairing motor-generator sets; (h) reconditioning and repairing transformers; (i) reconditioning and repairing electrical control components; (j) manufacturing, testing and repairing electrical control panels; (k) disconnecting, servicing and reconnecting electrical fans, blowers, pumps or electrical devices from existing consumer power supplies; (l) examining, testing and lubricating mechanical components of motors and generators; (m) examining, testing and checking the operation of electrical components of motors, generators, transformers and control equipment; (n) determining the need, extent and type of repairs required and preparing reports for time and costs estimations; (o) examining, servicing and aligning or replacing couplings; (p) performing predictive and preventative maintenance services; (q) examining, servicing or replacing bearings, seals and gaskets;

	(r) repairing or replacing stators and motor windings in AC and DC motors and generators and welders; (s) repairing, replacing or reconditioning commutators and slip ring assemblies; (t) assembling and testing motors and generators for correct operation; (u) examining and testing controls and indicating instruments to determine the nature and extent of repairs required; (v) repairing or replacing control components and indicating instruments; (w) performing minor tune-ups of gasoline engines used for generator and welder drives; (x) inspecting and testing to establish condition of transformers; (y) removing transformer cores and coils from transformer housings; (z) repairing damaged insulators and insulating material in respect of transformers; (aa) repairing and replacing coil connections in respect of transformers; (bb) removing and rewinding primary windings and installing primary windings; (cc) removing and rewinding secondary windings and installing secondary windings; (dd) repairing or replacing tap changing switches; (ee) checking and repairing transformer cores; (ff) repairing transformer housings; (gg) testing, removing and replacing transformer oil; (hh) assembling transformers and placing in transformer housings; (ii) inspecting and testing condition of control components including relays, solenoids, contactors and similar components; (jj) dismantling, repairing and rewinding components and assembling and testing for correct operation; (kk) interpreting and evaluating customers' requirements, drawings and specifications; (ll) preparing and laying out materials for and manufacturing and assembling enclosures and panels; (mm) determining locations of components and installing and wiring the components in enclosures and panels; (nn) testing control panels for correct operation according to drawings and specifications; (oo) inspecting control panels for damage and faulty components; (pp) repairing and verifying certification of electrical equipment and components used in hazardous locations; (qq) painting and refinishing electrical apparatus.

Electrician – Construction Electrician Branch	**25(1)** In this section, (a) "construction electrical system" means any type of residential, commercial, institutional or industrial building or structural electrical system and includes the following: (i) systems providing power; (ii) generation systems including photovoltaic, (iii) distribution systems; (iv) electro-mechanical systems; (v) grounding and bonding systems; (vi) power conversion systems; (vii) measuring and metering systems; (viii) storage systems including dry cell and storage batteries and storage battery systems; (ix) control systems; (x) lighting systems; (xi) heating, cooling and ventilation systems; (xii) communication, fibre optic and data systems; (xiii) fire alarm systems including security systems, intrusion alarms, access control, card key lock systems or similar equipment; (xiv) signal systems; (xv) security systems; (xvi) protection systems; (xvii) cathodic systems; (xviii) all related electrical system equipment and electrical components related to construction electrical systems; (b) "undertakings of the branch of the designated trade" means the installation, alteration, repair, inspection, verification, commissioning, maintenance and operation of construction electrical systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the construction electrician branch of the designated trade of electrician: (a) interpreting electrical industry codes, including the CSA Standard C22.1, Canadian Electrical Code, Part 1, Safety Standard for Electrical Installations declared in force, as amended or replaced from time to time, by the Electrical Code Regulation (AR 209/2006); (b) preparing, installing, altering, repairing, inspecting, verifying, commissioning, troubleshooting, maintaining, operating and energizing construction electrical systems;

	(c) erecting, assembling, removing, repairing, replacing and using scaffolding, handling devices, hoists, slings, ropes, rigging equipment and related hardware; (d) interpreting electrical drawings and specifications; (e) planning, scheduling and estimating electrical work; (f) using and maintaining equipment and tools of the trade.
Electrician – Industrial Electrician Branch	**25.1(1)** In this section, (a) "industrial electrical system" means any type of industrial building or structural electrical system and includes the following: (i) systems providing power; (ii) generation systems including photovoltaic, (iii) distribution systems; (iv) electro-mechanical systems; (v) grounding and bonding systems; (vi) power conversion systems; (vii) measuring and metering systems; (viii) storage systems including dry cell and storage batteries and storage battery systems; (ix) control systems; (x) lighting systems; (xi) heating, cooling and ventilation systems; (xii) communication, fibre optic and data systems; (xiii) fire alarm systems including security systems, intrusion alarms, access control, card key lock systems or similar equipment; (xiv) signal systems; (xv) security systems; (xvi) protection systems; (xvii) cathodic systems; (xviii) all related electrical system equipment and electrical components related to industrial electrical systems; (b) "undertakings of the branch designated trade" means the installation, alteration, repair, inspection, verification, commissioning, maintenance and operation of industrial electrical systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the industrial electrician branch of the designated trade of electrician: (a) interpreting electrical industry codes, including the CSA Standard C22.1, Canadian Electrical Code, Part 1, Safety Standard for Electrical Installations declared in force, as amended or replaced

	from time to time, by the Electrical Code Regulation (AR 209/2006); (b) preparing, installing, altering, repairing, inspecting, verifying, commissioning, troubleshooting, maintaining, operating and energizing industrial electrical systems; (c) erecting, assembling, removing, repairing, replacing and using scaffolding, handling devices, hoists, slings, ropes, rigging equipment and related hardware; (d) interpreting electrical drawings and specifications; (e) planning, scheduling and estimating electrical work; (f) using and maintaining equipment and tools of the trade.
Elevator Constructor	**26(1)** In this section, (a) "elevator system" includes the following: (i) electric elevators; (ii) hydraulic elevators; (iii) escalators; (iv) workers' passenger hoists or lifts; (v) dumbwaiters; (vi) hand operated elevators; (vii) parking garage elevators; (viii) moving walkways; (ix) stagelifts; (x) lifts for persons with physical disabilities; (xi) residential elevators; (xii) elevator entrances; (xiii) elevator doors and door operating equipment; (xiv) electrical wiring and conduits from controllers to (A) signals, (B) operating circuits, and (C) remote panels or signals; (xv) fireman service; (xvi) signal, lighting and control systems; (xvii) piping relative to hydraulic elevators; (b) "undertakings of the designated trade" means the following: (i) the installation, removal, alteration, repair, modification and maintenance of elevator systems and (A) motors, drives and motor controllers, and (B) emergency power systems and security systems

	associated with elevator systems; (ii) the operation of temporary and incomplete elevator systems; (iii) the testing of elevator systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of elevator constructor: (a) installing, removing, altering, repairing, modifying and maintaining elevator systems and (i) motors, drives and motor controllers, and (ii) emergency power systems and security systems associated with elevator systems; (b) operating temporary and incomplete elevator systems; (c) testing elevator systems; (d) using hand tools, power tools, testing equipment and specialty tools required by the designated trade; (e) applying elevator, electrical and mechanical theory to the carrying out of the activities set out in this section; (f) drawing, pulling, terminating and testing of conductors or cables into controller or panel systems pertaining to elevators or escalators; (g) installing and laying out hoistways, raceways, conduits, cable trays or troughs, wireways and fittings in elevator systems; (h) installing, troubleshooting, testing and laying out controllers and remote panels in elevator systems; (i) interpreting electrical and mechanical drawings and prints; (j) interpreting safety codes for elevators, escalators, dumbwaiters, moving walks and freight platform lifts; (k) coordinating elevator work with other construction trades; (l) installing all rail guides, beams, sheaves, templates, overhead work and all material used for mounting elevator systems in the machine room or below the machine room; (m) installing scaffolding for the erection of elevator systems; (n) installing and assembling elevator cabs and panels; (o) welding, drilling and rigging; (p) handling and hoisting elevator and escalator material.
Field Heat Treatment Technician	**27(1)** In this section (a) "heat treatable materials" include: (i) ferrous and non-ferrous alloy; (ii) refractory; (iii) coating; and (iv) glass.

	(b) "undertakings of the designated trade" means the field application of heat to heat treatable materials in order to intentionally alter the heat treatable materials' properties. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of field heat treatment technician: (a) applying codes, specifications and quality control programs; (b) interpreting blueprints or schematic drawings, and prepare sketches; (c) determining appropriate heat treatment method and set up; (d) setting up, calibrating, maintaining, operating and repairing heat treatment instruments and equipment; (e) annealing, normalizing, preheating, solution annealing, thermal stabilizing and stress relieving; (f) drying out, curing and baking out using gases or electricity; (g) degassing to remove hydrogen or other contaminants; (h) enhancement applications; (i) thermal alignment and expansion; (j) hardness testing; (k) line thawing; (l) maintaining appropriate documentation to support quality control specifications and processes; (m) complying with site and process specific safety procedures.
Floorcovering Installer	**28(1)** In this section, (a) "floorcovering" means resilient floorcoverings, carpets and cushion and other types of underlayments and includes the following: (i) linoleum; (ii) inlaid sheet vinyls; (iii) roto vinyls; (iv) tiles; (v) solid polyvinyl chloride; (vi) prefinished hardwood flooring; (vii) laminate flooring; (viii) accessories used in respect of floorcoverings; (b) "undertakings of the designated trade" means the preparation of floors and the lay out, fitting, installation, service, maintenance and repair of floorcoverings and accessories. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of floorcovering installer: (a) preparing of floors;

	(b) laying out, fitting and installing floorcoverings and accessories; (c) servicing, maintaining and repairing floorcoverings and accessories; (d) using detailed drawings, blueprints and other specifications; (e) using hand tools and power tools to perform the activities set out in this section; (f) using shop equipment, including air tools, floor grinders, sanders, polishers, table saws, miter saws, power stretchers and explosive actuated tools; (g) conducting moisture tests; (h) using any new innovative technological changes in the designated trade that relate to materials or methods of construction.
Gas Utility Operator	**29(1)** In this section, (a) "gas utility systems" means any kind of gas transmission system or gas distribution system, including the gas meter and associated piping and fittings, and includes the following: (i) gas transmission systems or gas distribution systems of all pressures; (ii) gas mains and services; (iii) pressure controllers and regulators; (iv) meters and pressure factor meter sets; (b) "undertakings of the designated trade" means the fabrication, installation, testing, operation, alteration, maintenance, inspection, repair and replacement of gas utility systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade of gas utility operator, the following activities are performed within the designated trade: (a) fabricating and installing gas utility systems; (b) operating and maintaining gas utility systems; (c) testing and inspecting gas utility systems; (d) altering, repairing and replacing gas utility systems; (e) determining location, size and materials required from prints and specifications; (f) compiling material breakdown; (g) applying codes and regulations to installation, operation and maintenance requirements; (h) installing and maintaining cathodic protection; (i) locating underground gas systems and completing leak surveys; (j) installing, operating and maintaining regulating measuring and odorizing facilities; (k) following emergency response procedures; (l) operating trenching equipment;

	(m) assembling and installing pipe materials; (n) relighting gas fired appliances.
Gasfitter – Gasfitter (Class A) Branch	**30(1)** In this section, (a) "A gas system" means any kind of residential, commercial or industrial gas system, including any gas appliance regardless of the BTU rating of the gas appliance, and the associated piping, fittings, air supply and venting, and includes the following: (i) low and high pressure natural gas supply systems; (ii) low and high pressure propane gas supply systems; (iii) gas fired appliances and equipment; (iv) natural draft ventilation systems; (v) power assisted ventilation systems; (vi) propane and natural gas dispensing systems; (vii) propane bulk storage systems; (b) "B gas system" means any kind of residential, commercial or industrial gas system, including any gas appliance that does not exceed a rating of 400 000 BTUs, and the associated piping, fittings, air supply and venting, and includes the following: (i) low and high pressure natural gas supply systems; (ii) low and high pressure propane gas supply systems; (iii) gas fired appliances and equipment; (iv) natural draft ventilation systems; (v) power assisted ventilation systems; (vi) propane and natural gas dispensing systems; (vii) propane bulk storage systems; (c) "undertakings of the branch of the designated trade" means the fabrication, installation, alteration, adjustment, maintenance, repair and replacement of A gas systems and B gas systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the gasfitter (class A) branch of the designated trade of gasfitter: (a) fabricating and installing A and B gas systems; (b) altering, adjusting and maintaining A and B gas systems; (c) repairing and replacing A and B gas systems; (d) determining, from prints and specifications, matters concerning location, size and material required in respect of A and B gas systems; (e) compiling material breakdown and takeoff; (f) identifying and using tools and special equipment that are used to carry out activities in the designated trade; (g) applying codes to installation and maintenance requirements;

	(h) rigging equipment and piping components; (i) installing and maintaining appliances, controls, equipment, piping and hangers; (j) examining and testing gas systems.
Gasfitter – Gasfitter (Class B) Branch	**31(1)** In this section, (a) "B gas system" means any kind of residential, commercial or industrial gas system, including any gas appliance that does not exceed a rating of 400 000 BTUs, and the associated piping, fittings, air supply and venting, and includes the following: (i) low and high pressure natural gas supply systems; (ii) low and high pressure propane gas supply systems; (iii) gas fired appliances and equipment; (iv) natural draft ventilation systems; (v) power assisted ventilation systems; (vi) propane and natural gas dispensing systems; (vii) propane bulk storage systems; (b) "undertakings of the branch of the designated trade" means the fabrication, installation, alteration, adjustment, maintenance, repair and replacement of B gas systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the gasfitter (class B) branch of the designated trade of gasfitter: (a) fabricating and installing B gas systems; (b) altering, adjusting and maintaining B gas systems; (c) repairing and replacing B gas systems; (d) determining, from prints and specifications, matters concerning location, size and material required in respect of B gas systems; (e) coupling material breakdown and takeoff; (f) identifying and using tools and special equipment that are used to carry out activities in the designated trade; (g) applying codes to installation and maintenance requirements; (h) rigging equipment and piping components; (i) installing and maintaining appliances, controls, equipment, piping and hangers; (j) examining and testing gas systems.
Glazier	**32(1)** In this section, (a) "glass" means any type of commercial, residential, decorative or auto glass or related material and includes (i) curtain walls, (ii) skylites and sloped glazing, (iii) frames and doors,

	(iv) automatic doors, (v) manual doors, and (vi) mirrors; (b) "undertakings of the designated trade" means the following: (i) the glazing, setting, attachment, installation and removal of all types of glass on buildings, fixtures and other uses; (ii) the installation, fitting, fabrication and attachment of architectural metals or related products for all types of buildings; (iii) the cutting, preparation, fabrication or any other handling of glass for buildings, fixtures and other uses. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of glazier: (a) diagnosing problems and making repairs related to glazing; (b) carrying out damaged lite removal procedures and installing and sealing new components; (c) storing and handling glass; (d) preparing and fabricating glass to specifications; (e) selecting, cutting and fitting glass; (f) cutting, etching and installing mirrors; (g) installing glass into window frames; (h) installing and renovating residential windows, tub enclosures, shower doors and related products; (i) interpreting drawings and specifications; (j) preparing, fabricating, installing and maintaining aluminum and glass doors, windows, storefronts, screens and associated hardware; (k) fabricating and installing curtain walls; (l) fabricating and installing skylites, sloped glazing, barrel vaults, solariums and other support structures; (m) preparing and installing building envelope materials and sealants; (n) installing structural glass, balustrades, handrails and smoke baffles; (o) installing and maintaining automatic and revolving doors; (p) operating hand and power operated equipment that is used in the designated trade.
Hairstylist – Barber Branch	**33(1)** In this section, (a) "hair" means the hair on a human head and includes (i) beards, (ii) mustaches, (iii) wigs, and

	(iv) hairpieces; (b) "undertakings of the branch of the designated trade" means the cutting, shaving and trimming of hair. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within that barber branch of the designated trade of hairstylist: (a) cutting, shaving and trimming of hair; (b) using hand and power-operated equipment in respect of hair; (c) testing and analyzing the hair and scalp for treatment; (d) using hand manipulation in respect of scalp treatments; (e) cleansing and conditioning the hair and scalp.
Hairstylist – Hairstylist Branch	**34(1)** In this section, (a) "hair" means the hair on a human head and includes (i) beards, (ii) mustaches, (iii) wigs, and (iv) hairpieces; (b) "undertakings of the branch of the designated trade" means the following: (i) the cutting, shaving and trimming of hair; (ii) the waving, curling and straightening of hair; (iii) altering the natural colour of hair; (iv) the styling of hair; (v) facial and scalp treatment and massage; (vi) the servicing of wigs and hairpieces. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the hairstylist branch of the designated trade of hairstylist: (a) cutting, shaving and trimming of hair; (b) waving, curling and straightening of hair; (c) altering the natural colour of hair; (d) styling of hair; (e) performing facial and scalp treatment and massage; (f) servicing of wigs and hairpieces; (g) using hand and power-operated equipment in respect of hair; (h) using rinses, tints, bleaches, heat and chemicals in respect of hair; (i) testing and analyzing the hair and scalp for treatment; (j) using hand manipulation in respect of scalp treatments; (k) applying make-up;

	(l) cleansing and conditioning the hair and scalp.
Heavy Equipment Technician – Heavy Duty Equipment Mechanic (Off Road) Branch	**35(1)** In this section, (a) "off-road equipment" means industrial vehicles, engines, equipment and attachments; (b) "onroad equipment" means on-highway truck and transport vehicles designed primarily for commercial use or for hauling bulk good; (c) "transport trailer" means a commercial transport device connected to or moved by on-road- or off-road equipment and does not include (i) transport trailer bodies, or (ii) mobile refrigeration and heating equipment as defined in section 89; (d) "undertakings of the branch of the designated trade" means the maintenance, component replacement, diagnosis and repair of off-road equipment and transport trailers. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the heavy duty equipment mechanic (off road) branch of the designated trade of heavy equipment technician: (a) maintaining, replacing components, diagnosing problems and repairing off-road equipment and transport trailers; (b) selecting, inspecting, using and maintaining various shop equipment and tools; (c) retrieving and inputting applicable information using service-related computer software programs; (d) inspecting, maintaining, diagnosing and repairing internal combustion engines and engine auxiliary systems and accessories; (e) inspecting, maintaining, diagnosing and repairing power trains, clutches, fluid drives, transmissions, transfer drives, drive lines, differentials, final drives and steering clutches and axles; (f) inspecting, maintaining, diagnosing and repairing electrical system components and circuits; (g) inspecting, maintaining, diagnosing and repairing hydraulic and hydrostatic systems and components; (h) inspecting, maintaining, diagnosing and repairing air systems and components; (i) inspecting, maintaining, diagnosing and repairing steering, braking and suspension systems and components; (j) inspecting, maintaining, diagnosing and repairing frames, chassis, supporting structures, wheels, undercarriages, cabs and accessories, heating and air conditioning systems, canopies and protective structures;

	(k) inspecting, maintaining, diagnosing and repairing attachments, ground engaging and working tools, booms, structural members, cables, hooks and slings; (l) with respect to preventive maintenance, operational safety and equipment economy, (i) identifying and evaluating equipment failures and malfunctions relating to machine maintenance, (ii) identifying unsafe operating practices, and (iii) communicating (A) advice on maintenance to be performed, (B) maintenance safety precautions, (C) correct procedures for equipment inspections, operation, towing, loading, hauling, parking and storage, and (D) the importance of the use of proper fuel, lubricants, coolants, filters and similar items and providing advice in respect of those matters.
Heavy Equipment Technician – Heavy Equipment Technician Branch	**36(1)** In this section, (a) "off-road equipment" means industrial vehicles, engines, equipment and attachments; (b) "on-road equipment" means on-highway truck and transport vehicles designed primarily for commercial use or for hauling bulk good; (c) "transport trailer" means a commercial transport device connected to or moved by on-road or off-road equipment and does not include (i) transport trailer bodies, or (ii) mobile refrigeration and heating equipment as defined in section 89; (d) "undertakings of the branch of the designated trade" means the maintenance, component replacement, diagnosis and repair of off-road equipment, on-road equipment and transport trailers. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the heavy equipment technician branch of the designated trade of heavy equipment technician: (a) maintaining, diagnosing problems and repairing offroad equipment, on-road equipment and transport trailers; (b) replacing components on offroad equipment, on-road equipment and transport trailers; (c) selecting, inspecting, using and maintaining various shop equipment and tools; (d) retrieving and inputting applicable information using service-related-computer software programs;

	(e) inspecting, maintaining, diagnosing and repairing internal combustion engines and engine auxiliary systems and accessories; (f) inspecting, maintaining, diagnosing and repairing power trains, clutches, fluid drives, transmissions, transfer drives, drive lines, differentials, final drives and steering clutches and axles; (g) inspecting, maintaining, diagnosing and repairing electrical system components and circuits; (h) inspecting, maintaining, diagnosing and repairing hydraulic and hydrostatic systems and components; (i) inspecting, maintaining, diagnosing and repairing air systems and components; (j) inspecting, maintaining, diagnosing and repairing steering, braking and suspension systems and components; (k) inspecting, maintaining, diagnosing and repairing frames, chassis, supporting structures, wheels, undercarriages, cabs and accessories, heating and air conditioning systems, canopies and protective structures; (l) inspecting, maintaining, diagnosing and repairing attachments, ground engaging and working tools, booms, structural members, cables, hooks and slings; (m) with respect to preventive maintenance, operational safety and equipment economy, (i) identifying and evaluating equipment failures and malfunctions relating to machine maintenance, (ii) identifying unsafe operating practices, and (iii) communicating (A) advice on maintenance to be performed, (B) maintenance safety precautions, (C) correct procedures for equipment inspections, operation, towing, loading, hauling, parking and storage, and (D) the importance of the use of proper fuel, lubricants, coolants, filters and similar items and providing advice in respect of those matters.
Heavy Equipment Technician – Transport Trailer Mechanic Branch	**37(1)** In this section, (a) "off-road equipment" means industrial vehicles, engines, equipment and attachments; (b) "on-road equipment" means on-highway truck and transport vehicles designed primarily for commercial use or for hauling bulk good; (c) "transport trailer" means a commercial transport device connected to or moved by on-road or off-road equipment and does not include (i) transport trailer bodies, or

	(ii) mobile refrigeration and heating equipment as defined in section 89; (d) "undertakings of the branch of the designated trade" means the maintenance, component replacement, diagnosis and repair of transport trailers. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the transport trailer mechanic branch of the designated trade of heavy equipment technician: (a) maintaining, diagnosing problems and repairing transport trailers; (b) replacing components on transport trailers; (c) retrieving and inputting applicable information using service-related computer software programs; (d) inspecting, maintaining, diagnosing and repairing (i) suspensions, undercarriages and frames, (ii) braking systems, (iii) trailer couplers and hitches, (iv) landing gear, (v) electrical systems, and (vi) hydraulic systems.
Heavy Equipment Technician – Truck and Transport Mechanic Branch	**38(1)** In this section, (a) "off-road equipment" means industrial vehicles, engines, equipment and attachments; (b) "on-road equipment" means on-highway truck and transport vehicles designed primarily for commercial use or for hauling bulk good; (c) "transport trailer" means a commercial transport device connected to or moved by on-road or off-road equipment and does not include (i) transport trailer bodies, or (ii) mobile refrigeration and heating equipment as defined in section 89; (d) "undertakings of the branch of the designated trade" means the maintenance, component replacement, diagnosis and repair of on-road equipment and transport trailers. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the truck and transport mechanic branch of the designated trade of heavy equipment technician: (a) maintaining, diagnosing problems and repairing on-road equipment and transport trailers; (b) replacing components on-road equipment and transport trailers; (c) selecting, inspecting, using and maintaining various shop equipment and tools;

	(d) retrieving and inputting applicable information using service-related computer software programs; (e) inspecting, maintaining, diagnosing and repairing internal combustion engines and engine auxiliary systems and accessories; (f) inspecting, maintaining, diagnosing and repairing power trains, clutches, fluid drives, transmissions, transfer drives, drive lines, differentials, final drives and steering clutches and axles; (g) inspecting, maintaining, diagnosing and repairing electrical system components and circuits; (h) inspecting, maintaining, diagnosing and repairing hydraulic systems and components; (i) inspecting, maintaining, diagnosing and repairing air systems and components; (j) inspecting, maintaining, diagnosing and repairing steering, braking and suspension systems and components; (k) inspecting, maintaining, diagnosing and repairing frames, chassis, supporting structures and components; (l) inspecting, maintaining, diagnosing and repairing attachments and working tools, structural members, cables, hooks and slings; (m) with respect to preventive maintenance, operational safety and equipment economy, (i) identifying and evaluating equipment failures and malfunctions relating to machine maintenance, (ii) identifying unsafe operating practices, and (iii) communicating (A) advice on maintenance to be performed, (B) maintenance safety precautions, (C) correct procedures for equipment inspections, operation, towing, loading, hauling, parking and storage, and (D) the importance of the use of proper fuel, lubricants, coolants, filters and similar items and providing advice in respect of those matters.
Industrial Construction Crew Supervisor	**39(1)** In this section, "undertakings of the designated trade" means the supervision of a construction crew with respect to a construction project or maintenance for an industrial plant or pipeline, including the fabrication or assembly of components. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of industrial construction crew supervisor: (a) maintaining a safe worksite and comply with worksite specific safety policies; (b) implementing the project plan and project schedule with respect to the construction crew;

	(c) managing construction crew meetings; (d) interpreting technical documents, drawings and specifications; (e) supervising a construction crew, assessing crew members' skills and arranging for training of crew members; (f) complying with worksite policies and procedures with respect to materials, personnel or other resources; (g) maintaining project documentation with respect to progress, quality control and client specifications; (h) meeting industry and project quality and productivity standards.
Industrial Mechanic (Millwright)	**40(1)** In this section, (a) "stationary rotating equipment" means any type of plant, industrial machinery or mechanical equipment and includes the following: (i) stationary and industrial engines; (ii) steam and gas turbines; (iii) pumps; (iv) heat exchangers; (v) conveyor systems; (vi) gears and speed changers; (v) mining equipment; (vi) logging equipment; (vii) compressors; (viii) fluid power systems; (ix) air blowers and vacuum pumps and fans; (x) gas and air dryers; (xi) refrigeration; (xii) power transmissions; (xiii) couplings and clutches; (xiv) prime movers; (b) "undertakings of the designated trade" means the following: (i) the installation, maintenance, repair, removal and replacement of stationary rotating equipment; (ii) the diagnosis of problems relating to stationary rotating equipment. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of industrial mechanic (millwright): (a) installing, maintaining, repairing, removing and replacing stationary rotating equipment; (b) dismantling, assembling and repairing parts and components in stationary rotating equipment;

	(c) removing and installing electric motors, excluding the electrical disconnecting or hookup of electric motors; (d) diagnosing problems relating to stationary rotating equipment; (e) fitting, aligning and testing parts and components in stationary rotating equipment; (f) condition monitoring, vibration analysis and laser alignment of stationary rotating equipment; (g) fitting bearings, aligning gears and shafts, attaching motors and connecting couplings and belts in relation to stationary rotating equipment; (h) using hand, power and other tools of the designated trade while working on stationary rotating equipment; (i) interpreting drawings and plans and laying out and developing projects according to specifications; (j) using precision instruments to measure, assemble and fit complex plant or industrial machinery or other related equipment; (k) setting up and operating standard machine tools, including saws, drill presses, lathes and milling machines, and their attachments, to facilitate the efficient completion of the assembly and repair of stationary rotating equipment; (l) using measuring and testing instruments and devices in relation to stationary rotating equipment; (m) using rigging equipment in relation to stationary rotating equipment; (n) heating and cutting with oxyfuel equipment; (o) tack welding with welding equipment.'
Instrumentation and Control Technician	**41(1)** In this section, (a) "instrument" means any type of industrial, commercial or domestic instrumentation and includes the following: (i) temperature, pressure, flow, analytical and level indicators, recorders, controllers and sensors; (ii) density indicators and sensors; (iii) weight indicators and sensors; (iv) viscosity and consistency indicators and sensors; (v) pH indicators and sensors; (vi) oxidation reduction potential indicators and sensors; (vii) oxygen analysis equipment; (viii) gas analyzers; (ix) turbidity and smoke density analyzers; (x) moisture and humidity sensing and indicating systems; (xi) electrical conductivity sensing and indicating systems;

	(xii) sensors and indicators for measurement of speed, position, proximity and time; (xiii) gas and liquid chromatographs; (xiv) spectrophotometer analyzers; (xv) spectrometers; (xvi) pneumatic, fluidic, robotic, fibre-optic, hydraulic and electronic control devices and systems; (xvii) pneumatic, fluidic, robotic, fibre-optic, hydraulic and electronic transmitters; (xviii) pneumatic, fluidic, robotic, fibre-optic, hydraulic and electronic transducers; (xix) pneumatic, fluidic, robotic, fibre-optic, hydraulic and electronic recorders; (xx) digital to analog and analog to digital converters; (xxi) data acquisition systems, telemetric systems, supervisory control and data acquisition (SCADA) systems, programmable logic controller systems and distributed control and display systems; (xxii) monitoring devices and alarm systems; (xxiii) valve positioners; (xxiv) electrical and pneumatic valve actuators; (xxv) control valves and final control elements; (xxvi) vibration sensing systems; (xxvii) ultra-violet and infra-red fire detection systems; (b) "undertakings of the designated trade" means the installation, calibration, testing and maintenance of instruments. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of instrumentation and control technician: (a) installing, calibrating, testing and maintaining the following: (i) process measurement sensing and indicating systems; (ii) analytical instrumentation; (iii) signal conversion and transmission devices; (iv) data acquisition and display systems; (v) monitoring devices and alarm systems; (vi) control devices and systems; (vii) final control elements; (b) installing, servicing, calibrating and maintaining equipment for calibration, reference or comparison standards; (c) installing, inspecting, testing, disconnecting and connecting electrical wiring to instrument installations;

	(d) maintaining, installing and testing air distribution systems; (e) installing, inspecting, testing, servicing and removing instruments; (f) installing and removing pneumatic tubing, process tubing and piping; (g) using hand tools, power tools, testing equipment and specialty tools required by the designated trade; (h) incorporating modifications to systems and components; (i) applying knowledge and understanding of operating processes and their interrelationship with instrumentation.
Insulator (Heat and Frost)	**42(1)** In this section, (a) "insulation items" means the following: (i) insulation materials, reinforcing fabrics, metal lath and hexagonal wire; (ii) adhesives and fasteners; (iii) finishing materials; (iv) metal claddings, canvas, PVC, pit wrap, paint, finishing cement and other similar over insulation applications not referred to in subclauses (i) to (iii); (v) noise control materials; (vi) firestopping and fireproofing materials; (vii) utilidors; (b) "undertakings of the designated trade" means the following: (i) the installation, service, maintenance, repair and removal of insulation items; (ii) the abatement and removal of asbestos. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of insulator (heat and frost): (a) installing, servicing, maintaining, repairing and removing insulation items; (b) abating and removing asbestos; (c) using detailed drawings, blueprints and other specifications; (d) using all related standards, safety regulations and building codes and regulations; (e) working with insulation items and related equipment; (f) using hand tools, power tools, shop equipment and stud welding equipment; (g) cleaning up and removing insulation items; (h) assembling, erecting, installing and removing insulation materials and handling devices, scaffolds, ropes and slings; (i) estimating, preparing, scheduling and worksite planning;

	(j) handling, laying out, preparing, fabricating and assembling insulation items and all protective coatings and coverings; (k) using new technology relating to the activities set out in this section; (l) remediating mold and lead.
	43 Repealed 2023 December
Ironworker – Ironworker (Metal Building Systems Erector) Branch	**44(1)** In this section, (a) "Alberta Building Code" means the code declared in force with respect to buildings by section 1 of the Building Code Regulation (AR 5/2024); (b) "metal building systems" means buildings that (i) are non-residential, prefabricated metal structures, not more than 2 storeys, that meet Alberta Building Code requirements for certification by the Canadian Standards Association, (ii) are constructed of an interior load-bearing framework and an outer non-load-bearing cladding, and (iii) are erected, assembled and installed in accordance with the manufacturer's instructions without modification to the manufacturer's specifications, but does not include Quonsets or other frameless metal buildings; (c) "storey" has the meaning assigned to it in the Alberta Building Code; (d) "undertakings of the branch of the designated trade" means the assembly, erection and disassembly of metal building systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the ironworker (metal building systems erector) branch of the designated trade of ironworker: (a) assembling metal building systems; (b) erecting metal building systems; (c) disassembling metal building systems; (d) using detailed drawings, blueprints and other specifications; (e) using hand tools, power tools and shop equipment; (f) using, setting up or assembling rigging equipment; (g) using oxyfuel cutting and arc tack welding equipment in heat straightening, cutting and joining metals; (h) using new technology in relation to the activities set out in this section; (i) using and maintaining fall protection systems; (j) installing exterior and interior doors and windows; (k) installing caulking, adhesives and sealant materials.

Ironworker – Ironworker (Reinforcing) Branch	**45(1)** In this section, (a) "Alberta Building Code" means the code declared in force with respect to buildings by section 1 of the Building Code Regulation (AR 5/2024); (b) "concrete reinforcement" means metal, steel or synthetic strands, wires, mesh, fabric, bars or sheets, placed into concrete structures for the purpose of reinforcing, pre-tensioning or post-tensioning of concrete structures; (c) "reinforced concrete" means concrete that is cast in place and is reinforced with concrete reinforcement materials; (d) "storey" has the meaning assigned to it in the Alberta Building Code; (e) "structures" means the following: (i) any type of residential, commercial, industrial, civil or agricultural structure; (ii) bridges, including abutments, decks, girders, beams, diaphragms, piers and permanent guard rails; (iii) buildings that are engineered and constructed of reinforced concrete, other than buildings constructed using insulated concrete forms; (f) "undertakings of the branch of the designated trade" means the erection, placement, attachment, prestressing and post-tensioning of concrete reinforcement materials. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the ironworker (reinforcing) branch of the designated trade of ironworker: (a) erecting concrete reinforcement materials; (b) placing concrete reinforcement materials; (c) attaching concrete reinforcement materials; (d) performing post-tensioning; (e) performing prestressing; (f) using detailed drawings, blueprints and other specifications; (g) using hand tools, power tools and shop equipment; (h) using, setting up and assembling rigging equipment; (i) using oxyfuel cutting and arc tack welding equipment in heat straightening, cutting and joining metals; (j) using new technology in relation to the activities set out in this section; (k) using and maintaining fall protection systems.
Ironworker – Ironworker (Structural/Ornamental) Branch	**46(1)** In this section, (a) "Alberta Building Code" means the code declared in force with respect to buildings by section 1 of the Building Code Regulation (AR 5/2024); (b) "metal building systems" means buildings that

	(i) are non-residential, prefabricated metal structures, not more than 2 storeys, that meet Alberta Building Code requirements for certification by the Canadian Standards Association, (ii) are constructed of an interior load-bearing framework and an outer non-load-bearing cladding, and (iii) are erected, assembled and installed in accordance with the manufacturer's instructions without modification to the manufacturer's specifications, but does not include Quonsets or other frameless metal buildings; (c) "precast concrete component" means the following: (i) post-tensioned precast panels; (ii) pre-tensioned precast panels; (iii) architectural panels (iv) tilt-up panels (v) precast abutments (vi) precast slabs (vii) precast beams (viii) precast columns (ix) precast piers (x) precast permanent guard rails (xi) precast free standing walls (xii) precast structural walls (xiii) precast foundations (xiv) precast floors. (d) "storey" has the meaning assigned to it in the Alberta Building Code; (e) "structures" means the following: (i) any type of residential, commercial, industrial, civil or agricultural structure; (ii) curtain walls; (iii) bridges, including abutments, decks, girders, beams, diaphragms, piers and permanent guard rails; (iv) metal building systems; (v) buildings that are engineered and constructed of metal, steel, or precast concrete components, other than buildings constructed using insulated concrete forms; (f) "undertakings of the branch of the designated trade" means the following: (i) the field fabrication, assembly, erection and disassembly of structures, other than the demolition of structures;

	(ii) the service, maintenance and repair of structures; (iii) the field fabrication and erection of structural, miscellaneous and ornamental metal work; (iv) the erection and placement of precast concrete components or prestressed concrete structures. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the ironworker (structural/ornamental) branch of the designated trade of ironworker: (a) fabricating, assembling, erecting and disassembling of structures in the field; (b) servicing, maintaining and repairing of structures; (c) fabricating and erecting structural, miscellaneous and ornamental metal work in the field; (d) erecting and placing precast concrete components or prestressed concrete structures; (e) using detailed drawings, blueprints and other specifications; (f) using hand tools, power tools and shop equipment; (g) using, setting up or assembling rigging equipment; (h) using oxyfuel cutting and arc tack welding equipment in heat straightening, cutting and joining metals; (i) using new technology in relation to the activities set out in this section; (j) placing mechanical equipment and components; (k) using and maintaining fall protection systems;
Landscape Horticulturist	**47(1)** In this section, "undertakings of the designated trade" means the sale, growth, installation and maintenance of plant or related materials and includes the following: (a) landscape construction; (b) landscape maintenance; (c) the operation of greenhouses, nurseries and garden centres; (d) arboriculture; (e) tree moving; (f) the sale, growth, installation and maintenance of turf grasses; (g) designing, installing and maintaining irrigation systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of landscape horticulturist: (a) selling, growing, installing and maintaining plant or related materials; (b) applying principles of landscape design and construction;

	(c) constructing and installing landscape planters, walks and other accessories of various materials; (d) handling orders of plant and related materials; (e) operating and servicing the tools and machinery used in the designated trade; (f) applying the principles governing the following: (i) the operation of greenhouses, nurseries and garden centres; (ii) sod production; (iii) interior and exterior landscape maintenance; (iv) plant production; (v) the use of soils; (vi) the use of plant nutrients; (vii) the use of pesticides; (viii) the control of plant diseases and pests; (ix) tree care; (g) applying knowledge respecting botany and plant identification.
Lather (Interior Systems Mechanic)	**48(1)** In this section, (a) "lather interior systems" means any type of framework for gypsum materials in buildings and includes the following: (i) light gauge steel stud framing; (ii) load bearing steel stud wall and floor systems; (iii) unitized wall systems; (iv) demountable partitions; (v) suspended drywall ceilings; (vi) component ceilings; (vii) metal linear ceilings; (viii) specialized systems; (ix) drywall; (x) metal lath; (xi) radiation shielding; (xii) access floor systems; (xiii) membrane coatings; (xiv) thermal and acoustical systems; (xv) air and vapour barriers; (b) "undertakings of the designated trade" means the following: (i) the assembly and installation of lather interior systems;

	(ii) the cutting, shaping, bending, fastening and spot welding of metal components to build support bases for plaster, cement, fireproofing, radiation or soundproofing materials; (iii) the cutting, shaping, aligning and securing of components in lather interior systems for gypsum or other products; (iv) the construction of various types of walls and ceilings or other related structures and the application of exterior and interior trim of metal and other materials. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of lather (interior systems mechanic): (a) assembling and installing lather interior systems; (b) cutting, shaping, bending, fastening and spot welding metal components to build support bases for plaster, cement, fireproofing, radiation or soundproofing materials; (c) cutting, shaping, aligning and securing components in lather interior systems for gypsum or other products; (d) constructing various types of walls and ceilings or other related structures and applying exterior and interior trim of metal and other materials; (e) diagnosing and repairing any problems relating to the lather interior systems; (f) using all hand and power operated equipment required by the designated trade; (g) using blueprints, shop drawings and specifications; (h) applying gypsum lath, metal lath and stucco wire; (i) cutting, preparing, fastening, spot welding, fabricating or other handling of all lath materials.

Locksmith	**49(1)** In this section, (a) "locking device" means any mechanical or electrical device that provides a physical or psychological barrier preventing, delaying or inhibiting unauthorized entry; (b) "undertakings of the designated trade" means the following: (i) the installation, replacement, rebuilding, rearrangement, repair or adjustment of locking devices or safes and their components; (ii) the making of keys by impression, code or other means involving specialized knowledge of locking devices or safes; (iii) the circumvention of locking devices by means other than the use of a key or combination. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of locksmith: (a) handling orders for locks, safes and related equipment; (b) operating and servicing the tools and equipment used in the designated trade; (c) installing, replacing, rebuilding, rearranging, repairing and adjusting locking devices or safes, components and related equipment; (d) making keys by impression, code or other means; (e) circumventing locking devices by means other than use of key or combination; (f) identifying the operation of locking devices and safes; (g) identifying and applying the principles of locking devices; (h) identifying and applying the principles of safes and related equipment; (i) applying in-depth knowledge of codes and specifications; (j) applying knowledge of master keying; (k) using any new innovative technological changes in the designated trade that relate to materials or methods of construction.
Machinist	**50(1)** In this section, (a) "parts" means any type of industrial or mass production parts; (b) "undertakings of the designated trade" means the following: (i) the set up or operation of metal removing machine tools to manufacture metals and other materials into precise shapes and sizes; (ii) the production of parts using mass production methods; (iii) the making and repair of parts, tools and machines made from metal, plastic or other materials.

	(2) When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of machinist: (a) setting up or operating metal removing machine tools to manufacture metals and other materials into precise shapes and sizes; (b) producing parts using mass production methods; (c) making and repairing parts, tools and machines made from metal, plastic or other material; (d) setting up and operating standard machine tools used in machine shops, including the following: (i) saws; (ii) drill presses; (iii) lathes; (iv) milling machines; (v) grinding machines; (vi) boring mills; (vii) shapers; (viii) attachments and accessories to any item referred to in subclauses (i) to (vii); (ix) computerized numerical control (CNC) machine tools; (e) interpreting technical drawings, charts, specification measurement and layout drawings and samples; (f) reading and interpreting the information and specifications presented on drawings and sketches, in respect of physical shape, size, material, heat treatment, finish, hardness and other pertinent data; (g) verifying dimensions with precision measuring instruments; (h) forging, heat treating, cutting and joining metals; (i) setting up and operating machine tools and supporting equipment, including oxyfuel welding, cutting and brazing equipment and electric arc welding equipment.
Metal Fabricator (Fitter)	**51(1)** In this section, (a) "Alberta Building Code" means the code declared in force with respect to buildings by section 1 of the Building Code Regulation (AR 5/2024); (b) "structures" means the following: (i) metal railings, ladders and platforms; (ii) metal conventional and spiral stairs; (iii) welded or bolted beams and columns; (iv) girders, trusses and built-up sections; (v) pressure vessels, multipurpose holding tanks and containers;

	(vi) structural metal or miscellaneous metal components that are subject to the Alberta Building Code; (c) "undertakings of the designated trade" means the following: (i) the fabrication, layout and assembly of structures; (ii) revisions to structures. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of metal fabricator (fitter): (a) fabricating structures; (b) laying out and assembling structures; (c) revising structures; (d) using detailed drawings, blueprints and other specifications; (e) using layout and fitting hand tools and air and electric powered tools; (f) using shop equipment, including overhead cranes, fork lifts, drilling and threading equipment, grinders, power saws, angle rolls, plate rolls, punches, shears, press brakes, power benders, ironworkers and presses; (g) using, setting up and assembling rigging equipment, including wire rope, synthetic slings, block and tackle, hoisting equipment and scaffolds; (h) using oxyfuel cutting and arc tack welding equipment in heat straightening, cutting and joining metals; (i) using new technology that is related to the designated trade.
Motorcycle Mechanic	**52(1)** In this section, (a) "motorcycle" means a multi-wheeled motor vehicle equipped with (i) astride seating for one or more persons, and (ii) handlebar controls, but does not include a moped as defined in the *Use of Highway and Rules of the Road Regulation* (AR 304/2002); (b) "undertakings of the designated trade" means the repair and maintenance of motorcycles. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of motorcycle mechanic: (a) repairing and maintaining the following: (i) internal combustion engines and components; (ii) transmissions and power trains; (iii) fuel systems; (iv) exhaust systems; (v) electrical and electronic systems;

	(vi) vehicle management systems; (vii) wheels and tires; (viii) chassis; (ix) suspension components; (x) steering systems; (xi) braking systems; (xii) sidecar attachments; (xiii) accessories that affect weight distribution and handling; (b) selecting, inspecting, using and maintaining various hand and power tools, measuring tools, testing equipment and shop equipment; (c) selecting, installing and removing fasteners, tubing, piping, couplings, fittings, hoses, electrical wiring and connectors; (d) selecting, installing, inspecting, adjusting and removing bearings, bushings and seals, belts, sheaves, pulleys, chains and sprockets; (e) selecting proper fuels, lubricants, coolants, sealants, adhesives, plastics and plastic metals for intended application; (f) accessing job-relatedinformation from service publications, records, shop controls and other materials and communicating the findings to the proper source; (g) retrieving and inputting applicable information using service related computer software programs; (h) inspecting, monitoring the performance of and operating machinery and equipment; (i) assembling, testing, igniting and adjusting oxyfuel cutting and heating equipment and performing minor cutting and heating repairs; (j) assembling new motorcycles according to manufacturers' specifications; (k) performing pre-delivery inspections as per manufacturers' specifications; (l) inspecting, replacing and servicing wheels and components; (m) inspecting, changing and servicing tires; (n) inspecting, testing, repairing, replacing and adjusting components of mechanical braking systems; (o) inspecting, testing, repairing, replacing, rebuilding, overhauling and adjusting components of hydraulic braking systems; (p) inspecting and testing 2- and 4-cycle engines and components before and after using a variety of hand and power tools and measuring and testing equipment; (q) inspecting, testing and repairing components of the following: (i) liquid cooling systems; (ii) air induction systems;

	(iii) cooling, filter or screening systems; (iv) engine lubrication systems; (v) engine fuel systems; (vi) electric starter circuits; (r) inspecting, adjusting and replacing engine ignition components; (s) inspecting and replacing elements of engine exhaust systems; (t) dismantling, repairing, replacing and reassembling damaged or worn components of cylinder heads; (u) dismantling, cleaning, inspecting, rebuilding and reassembling various types of cylinder block assemblies; (v) inspecting, testing and replacing storage batteries; (w) testing, rebuilding, adjusting and replacing components of electrical charging systems; (x) testing, overhauling, adjusting and replacing components of lighting, warning and safety electrical systems; (y) inspecting, adjusting, repairing and replacing (i) clutches and components, (ii) kickstart systems and components, and (iii) primary drives, including simplex, duplex, triplex, hyvo chains and cush drives; (z) inspecting, adjusting and replacing (i) final drive components, including chains, belts, shaft drives and universal joints, and (ii) frames and suspension components, including forks, swing arms, and shock absorber units; (aa) installing, adjusting and testing sidecars and components; (bb) installing, adjusting and testing accessories and components that affect weight distribution and handling.
Natural Gas Compression Technician	**53(1)** In this section, (a) "compression" means the act of decreasing the volume and increasing the pressure of gas by mechanical means; (b) "compressor" means a mechanical device used in the natural gas industry that increases the pressure of gas; (c) "natural gas compression" refers to the means and methods used to facilitate the delivery of natural gas from the well head to the end user via a series of specific separation, treatment, injection, disposal and compression processes; (d) "natural gas compression equipment" means any type of fixed or stationary equipment used to gather, store and transmit natural gas and includes the following: (i) stationary and reciprocating internal combustion engines; (ii) motors;

	(iii) compressors; (iv) pumps; (v) power generators; (vi) mixers and agitators; (vii) coolers, chillers and heat exchangers; (viii) separator systems; (ix) dehydration systems; (x) air and gas dryers; (xi) processing systems including sweetening, treating and fractionation; (xii) artificial lift systems including pump jacks and submersible pumps; (xiii) valves and valve controls; (xiv) equipment protection and monitoring systems; (xv) local panel controls; (xvi) low voltage electrical control loops; (xvii) electronic processor and control loops; (xviii) instrumentation control loops; (xix) gearboxes; (xx) clutches; (xxi) drive systems; (xxii) turbines; (e) "optimizing" means adjusting systems affecting the performance and efficiency of natural gas compression equipment; (f) "undertakings of the designated trade" means the installation, commissioning, maintenance and repair of natural gas compression equipment. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of natural gas compression technician: (a) reading and interpreting drawings, schematics, related technical information and materials lists; (b) performing the assembly, installation, inspection, maintenance, repair and overhaul of natural gas compression equipment, including the following: (i) complete ignition analysis, fuel, air, exhaust and engine management systems testing, fault diagnoses and repair; (ii) complete reciprocating and rotating machinery analysis to determine equipment condition, prediction of failure, corrective and preventive measures and equipment performance to design intent;

	(iii) performing visual walk-around inspections to determine the external conditions and obvious operational or safety issues that need to be addressed; (c) using a variety of electrical, mechanical and specialty diagnostic test equipment to diagnose problems and adjust engine systems; (d) providing preventive and corrective field mechanical services on gas compression, processing and production equipment on site at client locations; (e) troubleshooting and diagnosing mechanical and general electronic control problems and all levels of compressor system failure; (f) repairing and rebuilding natural gas equipment; (g) inspecting malfunctioning or damaged equipment to determine the nature and scope of the problem using applied failure analysis principles; (h) performing combusted gas emissions measurement and extrapolating findings to correction requirement; (i) assessing technical reports to determine operation problems, future design improvements and production improvements and providing recommendations for improved service and operation procedures; (j) rigging and hoisting using correct lifting procedures; (k) heating and cutting with oxyfuel equipment; (l) tack welding with electric arc welding equipment; (m) evaluating and optimizing the performance of natural gas compression equipment in respect of how the equipment is used and the conditions under which it operates; (n) performing reliability analysis; (o) performing risk assessments and applying learnings; (p) identifying and developing maintenance strategies based on reliability centred maintenance, condition-based maintenance, and preventive maintenance concepts; (q) adhering to regulations and standards related to natural gas compression systems to ensure the safety of all workers, the environment and equipment.
Oil and Gas Transportation – Bed Truck Operator Branch	**54(1)** In this section, (a) "bed truck" means a truck specifically designed with a flat deck, winch and optional gin poles used for the transportation of goods, equipment and other supplies used in the exploration, development and production of oil and gas resources; (b) "undertakings of the branch of the designated trade" means (i) the pre-job planning, (ii) the preparation, dismantling, loading, unloading and assembling of equipment, (iii) the driving, and (iv) the post-job operations

	as they relate to bed trucks. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the bed truck operator branch of the designated trade of oil and gas transportation: (a) performing bed truck pre-trip and post-trip inspections; (b) performing bed truck loading and unloading; (c) performing bed truck compliant transport; (d) operating auxiliary equipment; (e) driving professionally; (f) assembling and disassembling equipment; (g) contributing to the health and safety of the working environment; (h) contributing to the control of critical and emergency situations; (i) supporting environmental protection; (j) supporting effective communications and working relationships; (k) conducting equipment inspections and maintenance.
Oil and Gas Transportation – Bulk Haul Operator Branch	**55(1)** In this section, (a) "bulk truck" means any kind of truck with a vessel or a tank that is used for the transportation of liquid or gas products and other supplies used in the exploration, development and production of oil and gas resources; (b) "oil and gas transportation" means the transportation of goods, equipment and other supplies used in the exploration, development and production of oil and gas resources using trucks equipped with auxiliary equipment designed for dismantling, transporting, loading, unloading and assembling oil and gas equipment; (c) "truck" means a self-propelled vehicle used both on and off highway for the transportation of various types of goods, equipment and other supplies used in the exploration, development and production of oil and gas resources; (d) "undertakings of the branch of the designated trade" means (i) the pre-job planning, (ii) the preparation, dismantling, loading, unloading and assembling of equipment, (iii) the driving, and (iv) the post-job operations as they relate to bulk haul trucks. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the bulk haul operator branch of the designated trade of oil and gas transportation: (a) performing bulk haul truck pre-trip and post-trip inspections; (b) performing bulk haul truck loading and unloading;

	(c) performing bulk haul truck compliant transport; (d) driving professionally; (e) contributing to the health and safety of the working environment; (f) contributing to the control of critical and emergency situations; (g) supporting environmental protection; (h) supporting effective communications and working relationships; (i) conducting equipment inspections and maintenance.
Oil and Gas Transportation – Multi-wheel Truck Operator Branch	**56(1)** In this section, (a) "multi-wheel truck" means a truck and trailer configuration that includes jeeps, trailers and boosters, used to transport goods, equipment and supplies used in the exploration, development and production of oil and gas resource; (b) "oil and gas transportation" means the transportation of goods, equipment and other supplies used in the exploration, development and production of oil and gas resources using trucks equipped with auxiliary equipment designed for dismantling, transporting, loading, unloading and assembling oil and gas equipment; (c) "truck" means a self-propelled vehicle used both on and off highway for the transportation of various types of goods, equipment and other supplies used in the exploration, development and production of oil and gas resources; (d) "undertakings of the branch of the designated trade" means (i) the pre-job planning, (ii) the preparation, dismantling, loading, unloading and assembling of equipment, (iii) the driving, and (iv) the post-job operations as they relate to multi-wheel trucks. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the multi-wheel truck operator branch of the designated trade of oil and gas transportation: (a) performing multi-wheel truck pre-trip and post-trip inspections; (b) performing multi-wheel truck loading and unloading; (c) performing multi-wheel truck compliant transport; (d) driving professionally; (e) contributing to the health and safety of the working environment; (f) contributing to the control of critical and emergency situations.
Oil and Gas Transportation – Supervisor Branch	**57(1)** In this section, (a) "oil and gas transportation" means the transportation of goods, equipment and other supplies used in the exploration, development and production of oil and gas resources using trucks equipped with

	auxiliary equipment designed for dismantling, transporting, loading, unloading and assembling oil and gas equipment; (b) "truck" means a self-propelled vehicle used both on and off highway for the transportation of various types of goods, equipment and other supplies used in the exploration, development and production of oil and gas resources; (c) "undertakings of the branch of the designated trade" means the supervision and co-ordination of job operations and truck operators and other workers. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the supervisor branch of the designated trade of oil and gas transportation: (a) ensuring a healthy and safe work environment; (b) ensuring safe work practices and procedures; (c) implementing environmental policy; (d) supporting relationships with customers; (e) managing job site performance; (f) driving professionally.
Oil and Gas Transportation – Winch Tractor Operator Branch	**58(1)** In this section, (a) "oil and gas transportation" means the transportation of goods, equipment and other supplies used in the exploration, development and production of oil and gas resources using trucks equipped with auxiliary equipment designed for dismantling, transporting, loading, unloading and assembling oil and gas equipment; (b) "truck" means a self-propelled vehicle used both on and off highway for the transportation of various types of goods, equipment and other supplies used in the exploration, development and production of oil and gas resources; (c) 'winch tractor" means a truck outfitted with a winch that is used to load and unload goods, equipment and other supplies used in the exploration, development and production of oil and gas resources. (d) "undertakings of the branch of the designated trade" means (i) the pre-job planning, (ii) the preparation, dismantling, loading, unloading and assembling of equipment, (iii) the driving, and (iv) the post-job operations as they relate to winch tractors. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the winch tractor operator branch of the designated trade of oil and gas transportation: (a) performing bulk haul truck pre-trip and post-trip inspections; (b) performing winch tractor loading and unloading;

	(c) performing winch tractor compliant transport; (d) operating auxiliary equipment (e) driving professionally; (f) contributing to the health and safety of the working environment; (g) contributing to the control of critical and emergency situations; (h) supporting environmental protection; (i) supporting effective communications and working relationships; (j) conducting equipment inspections and maintenance.
Outdoor Power Equipment Technician – Power Equipment Branch	**59(1)** In this section, (a) "marine equipment" means (i) boats and trailers, (ii) jet drives in boats and personal water craft, (iii) outboard motors, (iv) inboardoutboard engines, and (v) stern drives; (b) "power equipment" means equipment, other than marine equipment or recreational equipment, that in the designated trade of outdoor power equipment technician is commonly known as outdoor power equipment or turf equipment and includes the following: (i) aerators; (ii) air compressors; (iii) chippers and shredders; (iv) compaction equipment; (v) generators; (vi) lawn and garden tractors; (vii) lift equipment; (viii) pressure washers; (ix) pumps; (x) mowers; (xi) chain saws; (xii) seeders; (xiii) sprayers; (xiv) tillers; (xv) trimmers; (xvi) snow removal equipment; (xvii) golf carts; (xviii) utility vehicles specifically designed for use on or with respect to turf;

(c) "recreational equipment" means vehicles, including trailers designed for the transportation of the vehicles, that are not defined as power equipment in this section and that in the designated trade of outdoor power equipment technician are commonly known as

(i) snowmobiles,

(ii) marine equipment, and

(iii) outdoor recreational multi-wheeled utility vehicles that are not required to be registered under the *Traffic Safety Act* unless they are operated on a highway, but not including

(A) a motorcycle as defined in section 52, or

(B) any vehicle referred to in section 35(1)(a) or (b), 36(1)(a) or (b), 37(1)(a) or (b) or 38(1)(a) or (b);

(d) "undertakings of the branch of the designated trade" means the diagnosis and repair of power equipment.

(2) When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the power equipment branch of the designated trade of outdoor power equipment technician:

(a) diagnosing and repairing power equipment;

(b) selecting, inspecting, using and maintaining various hand and power tools, shop equipment, measuring tools and testing equipment;

(c) retrieving and inputting applicable information using various media, including service-related computer software programs;

(d) selecting, installing or removing fasteners, tubing, piping, couplings, fittings, hoses, electrical wiring and connectors;

(e) selecting, installing, inspecting, adjusting and removing bearings, bushings, seals, belts, sheaves, pulleys, chains and sprockets;

(f) selecting proper fuels, lubricants, coolants, sealants, adhesives, plastics and plastic metals for intended application;

(g) inspecting, monitoring performance of and operating machinery and equipment;

(h) assembling, testing, igniting and adjusting oxyfuel cutting and heating equipment and performing minor cutting and heating repairs;

(i) repairing, maintaining and inspecting the following:

(i) cutting systems and components;

(ii) trailer couplers and hitches on unlicensed, off-road trailers, with respect to the following:

(A) coupling units;

(B) fasteners, plungers, sliding fifth wheel plungers and control mechanisms and sliding racks;

(C) air release cylinder lines, hoses and fittings;

	(D) fifth wheel saddles, bushings and pins, fifth wheel mounting components and fifth wheel compensators and components; (E) king pins and upper coupler assemblies and turntables; (F) rubber bushed hitch eyes, safety chains, cables and attachments, draw bars and attachments, pintle hooks and ball hitches; (iii) body units, with respect to structural integrity, including the following: (A) aluminum, steel and stainless steel components of body units; (B) doors, including door seals and rollers, tracks and hardware; (C) loose fasteners; (j) with respect to internal combustion 2- and 4-cycle engines that use gasoline, diesel or alternative fuels, and engine auxiliary systems and accessories, (i) inspecting and testing the following: (A) engines and engine components and engine systems in and out of chassis, before and after service or repair; (B) engine lubrication systems; (C) engine liquid cooling systems; (D) engine air cooling systems and air filtering or screening systems; (E) engine intake and exhaust systems; (F) fuel systems; (G) engine control systems, (ii) diagnosing engine problems, (iii) diagnosing malfunctions, (iv) repairing or replacing components, (v) analyzing parts for failure and determining the causes of the failure, and (vi) removing and installing engines; (k) with respect to power trains, clutches, fluid drives, transmissions, transfer drives, drive lines, differentials, final drives and steering clutches and axles, (i) inspecting, testing and adjusting the following: (A) clutches; (B) fluid drives, fluid couplings, torque converters, hydraulic retarders and other connecting units; (C) manual transmissions;

	(D) variable speed transmissions, high-low speed units, reverse units and hydrostatic transmissions and their control systems; (E) transfer drives; (F) drive shafts, u-joints, belt, chain and gear drives, mechanical winch drives, power take-offs and other drive lines; (G) front and rear differentials and axles; (H) steering clutches; (I) final drives, (ii) diagnosing malfunctions and irregular operation and performance, (iii) removing and installing the following: (A) complete components; (B) complete transmissions; (C) complete gear box drives; (D) complete assemblies, (iv) removing, inspecting, overhauling, repairing and replacing the following: (A) assemblies and their parts; (B) transmission parts and components; (C) transmission control systems and components, and (v) analyzing the failure of parts and determining the causes of failures and the reusability of parts; (l) with respect to electrical systems and circuits, batteries, charging, starting, lighting and accessories systems, spark ignition systems, electronic systems and circuits, electronic monitoring systems and electronic control systems, (i) inspecting, testing, adjusting and replacing the following: (A) storage batteries; (B) components and circuits, (ii) diagnosing performance, (iii) isolating defects within the system or in another part of the machine, and (iv) analyzing failures and determining the causes of failures; (m) with respect to hydraulic and hydrostatic systems, open and closed centre hydraulic systems, open and closed loop hydrostatic systems and control systems, (i) inspecting, testing and adjusting the following: (A) open and closed centre main hydraulic working systems;

	(B) open and closed hydrostatic drive and propel systems; (C) hydraulic control systems, (ii) diagnosing malfunctions, (iii) removing and installing components as a unit, (iv) testing, overhauling, repairing and replacing parts and components, and (v) analyzing the failure of parts and determining the causes of failures and the reusability of parts; (n) with respect to pneumatic systems and air supply and generating systems, (i) inspecting, testing and adjusting air systems, (ii) diagnosing malfunctions, (iii) removing and installing components as a unit, (iv) testing, overhauling, repairing and replacing parts and components, and (v) analyzing the failure of parts and determining the causes of failures and reusability of parts; (o) with respect to steering, braking and suspension systems, (i) inspecting, testing and adjusting the following: (A) manual steering systems; (B) manual braking systems and brake foundation assemblies; (C) hydraulic steering and braking systems; (D) electrical braking systems; (E) suspension systems, (ii) diagnosing malfunctions, (iii) removing and installing components as a unit, (iv) removing, testing, overhauling, repairing, replacing and installing parts and components, and (v) analyzing the failure of parts and determining the causes of failures and the reusability of parts; (p) with respect to frames, chassis, supporting structures, wheels and tracked undercarriages, cabs, heating systems, canopies and protective structures, (i) inspecting, measuring, removing and installing the following: (A) frames, chassis, supporting structures and components of equipment and machinery; (B) wheels, rims and tires; (C) tracked undercarriages, components and parts; (D) cabs, canopies and protective structures,

	(ii) repairing and replacing the following: (A) frames, chassis, supporting structures and components of equipment and machinery; (B) wheels, rims and tires; (C) tracked undercarriages, components and parts, (iii) adjusting and aligning frames, chassis, supporting structures and components of equipment and machinery, (iv) adjusting and aligning wheels where applicable and tracked undercarriages, components and parts, (v) adjusting, aligning and repairing assemblies, (vi) inspecting and testing heating systems, (vii) diagnosing and isolating problems and determining causes, and (viii) replacing components and making repairs; (q) with respect to attachments, ground engaging and working tools, booms, structural members, cables, hooks and slings, (i) inspecting, adjusting, aligning, removing, installing, repairing and replacing equipment attachments and components, (ii) inspecting and measuring booms, arms, masts and structural members for signs of misalignment, cracking, loose bolts, metal fatigue and overloading, (iii) analyzing failures and determining causes and correcting where applicable or recommending speciality repair or welding, and (iv) inspecting, removing, installing and replacing equipment cables, hooks and slings; (r) with respect to preventive maintenance, operational safety and equipment economy, (i) identifying and evaluating equipment failures and malfunctions relating to machine maintenance, (ii) identifying unsafe operating practices, and (iii) communicating the following: (A) advice on maintenance to be performed; (B) maintenance safety precautions; (C) correct procedures for equipment inspections, operations, towing, loading, hauling, parking and storage; (D) the importance of the use of proper fuel, lubricants, coolants, filters and similar items and providing advice in respect of those matters.
Outdoor Power Equipment Technician	**60(1)** In this section, (a) "marine equipment" means

– Recreational Equipment Branch	(i) boats and trailers, (ii) jet drives in boats and personal water craft, (iii) outboard motors, (iv) inboard-outboard engines, and (v) stern drives; (b) "power equipment" means equipment, other than marine equipment or recreational equipment, that in the designated trade of outdoor power equipment technician is commonly known as outdoor power equipment or turf equipment and includes the following: (i) aerators; (ii) air compressors; (iii) chippers and shredders; (iv) compaction equipment; (v) generators; (vi) lawn and garden tractors; (vii) lift equipment; (viii) pressure washers; (ix) pumps; (x) mowers; (xi) chain saws; (xii) seeders; (xiii) sprayers; (xiv) tillers; (xv) trimmers; (xvi) snow removal equipment; (xvii) golf carts; (xviii) utility vehicles specifically designed for use on or with respect to turf; (c) "recreational equipment" means vehicles, including trailers designed for the transportation of the vehicles, that are not defined as power equipment in this section and that in the designated trade of outdoor power equipment technician are commonly known as (i) snowmobiles, (ii) marine equipment, and (iii) outdoor recreational multi-wheeled utility vehicles that are not required to- be registered under the *Traffic Safety Act* unless they are operated on a highway, but not including (A) a motorcycle as defined in section 52, or (B) any vehicle referred to in section 35(1)(a) or (b), 36(1)(a) or (b), 37(1)(a) or (b) or 38(1)(a) or (b);

	(d) "undertakings of the branch of the designated trade" means the diagnosis and repair of recreational equipment. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the recreational equipment branch of the designated trade of outdoor power equipment technician: (a) diagnosing and repairing recreational equipment; (b) selecting, inspecting, using and maintaining various hand and power tools, shop equipment, measuring tools and testing equipment; (c) retrieving and inputting applicable information using various media, including service-related computer software programs; (d) selecting, installing or removing fasteners, tubing, piping, couplings, fittings, hoses, electrical wiring and connectors; (e) selecting, installing, inspecting, adjusting and removing bearings, bushings, seals, belts, sheaves, pulleys, chains and sprockets; (f) selecting proper fuels, lubricants, coolants, sealants, adhesives, plastics and plastic metals for intended application; (g) inspecting, monitoring performance of and operating machinery and equipment; (h) assembling, testing, igniting and adjusting oxyfuel cutting and heating equipment and performing minor cutting and heating repairs; (i) with respect to internal combustion 2- and 4-cycle engines that use gasoline, diesel or alternative fuels, and engine auxiliary systems and accessories, (i) inspecting and testing the following: (A) engines, engine components and engine systems in and out of chassis, before and after service or repair; (B) engine lubrication systems; (C) engine liquid cooling systems; (D) engine air cooling systems and air filtering or screening systems; (E) engine intake and exhaust systems; (F) fuel systems; (G) engine control systems, (ii) diagnosing engine problems, (iii) diagnosing malfunctions, (iv) repairing or replacing components, (v) analyzing parts for failure and determining the causes of the failure, and (vi) removing and installing engines;

	(j) with respect to power trains, clutches, fluid drives, transmissions, transfer drives, drive lines, differentials, final drives, axles, stern drives, lower units and inboard jet drive motors, (i) inspecting, testing and adjusting the following: (A) clutches; (B) fluid drives, fluid couplings, torque converters, hydraulic retarders and other connecting units; (C) manual transmissions; (D) power shift transmissions, high-low speed units, reverse units and automatic transmissions and their control systems; (E) transfer drives; (F) drive shafts, u-joints, belt, chain and gear drives, mechanical winch drives, power take-offs and other drive lines; (G) front and rear differentials and axles, stern drives, lower units and inboard and jet drive motors, (ii) diagnosing malfunctions and irregular operation and performance, (iii) removing and installing the following: (A) complete components; (B) complete transmissions; (C) complete gear box drives; (D) complete assemblies, (iv) removing, inspecting, overhauling, repairing and replacing the following: (A) assemblies and their parts; (B) transmission parts and components; (C) transmission control systems and components, and (v) analyzing the failure of parts and determining the causes of failures and the reusability of parts; (k) with respect to electrical systems and circuits, batteries, charging, starting, lighting and accessories systems, spark ignition systems, electronic systems and circuits, electronic monitoring systems and electronic control systems, (i) inspecting, testing, adjusting and replacing the following: (A) storage batteries; (B) components and circuits, (ii) diagnosing performance, (iii) isolating defects within the system or in another part of the machine, and

	(iv) analyzing failures and determining the causes of failures; (l) with respect to hydraulic and hydrostatic systems, open and closed centre hydraulic systems, open and closed loop hydrostatic systems and control systems, (i) inspecting, testing and adjusting, (ii) diagnosing malfunctions, (iii) removing and installing components as a unit, (iv) testing, overhauling, repairing and replacing parts and components, and (v) analyzing the failure of parts and determining the causes of failures and the reusability of parts; (m) with respect to pneumatic systems and air supply and generating systems, (i) inspecting, testing and adjusting air systems, (ii) diagnosing malfunctions, (iii) removing and installing components as a unit, (iv) testing, overhauling, repairing and replacing parts and components, and (v) analyzing the failure of parts and determining the causes of failures and reusability of parts; (n) with respect to steering, braking and suspension systems, inspecting, testing and adjusting the following: (i) manual steering systems; (ii) manual braking systems and brake foundation assemblies; (iii) hydraulic steering and braking systems; (iv) electrical braking systems; (v) suspension systems; (o) with respect to frames, chassis, supporting structures and components, (i) inspecting, repairing and replacing wheels, rims and tires, (ii) adjusting and aligning frames, chassis, supporting structures and components, (iii) adjusting and aligning wheels where applicable, (iv) adjusting, aligning and repairing assemblies, (v) inspecting and testing heating systems, (vi) diagnosing and isolating problems and determining causes, and (vii) replacing components and making repairs; (p) with respect to attachments and working tools, structural members, cables, hooks and slings,

	(i) inspecting, adjusting, aligning, removing, installing, repairing and replacing vehicle attachments and components, (ii) inspecting and measuring structural members for signs of misalignment, cracking, loose bolts, metal fatigue and overloading, (iii) analyzing failures and determining causes and correcting where applicable or recommending speciality repair or welding, and (iv) inspecting, removing, installing and replacing equipment cables, hooks and slings; (q) with respect to preventive maintenance, operational safety and vehicle economy, (i) identifying and evaluating component failures and malfunctions relating to vehicles, (ii) identifying unsafe operating practices, and (iii) communicating the following: (A) advice on maintenance to be performed; (B) maintenance safety precautions; (C) correct procedures for vehicle inspections, operations, towing, loading, hauling, parking and storage; (D) the importance of the use of proper fuel, lubricants, coolants, filters and similar items and providing advice in respect of those matters.
Overhead Door Technician – Level One Branch	**61(1)** In this section, (a) "specialty doors" means coiling doors, coiling and sliding steel fire doors, rubber doors, dock levellers, sliding and coiling grilles, high speed doors, gym dividers and rolling shutters; (b) "undertakings of the branch of the designated trade" means the installation, maintenance and repair of overhead doors and specialty doors. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the level one branch of the designated trade of overhead door technician: (a) installing, maintaining and repairing overhead doors that (i) have a height of no more than 10 feet, (ii) open to an interior with a ceiling height of no more than 12 feet, and (iii) are installed on wooden, metal or composite door jambs; (b) installing auxiliary devices such as open-close buttons with a voltage not greater than 24 volts; (c) installing and maintaining prewired electrical operating systems; (d) identifying, selecting and operating hand tools, power tools and measuring devices used in the designated trade;

	(e) reviewing and reading construction drawings, plans, specifications and related contract documents to prepare for and complete a project; (f) contributing to the health and safety of the work environment.
Overhead Door Technician – Level Two Branch	**62(1)** In this section, (a) "specialty doors" means coiling doors, coiling and sliding steel fire doors, rubber doors, dock levellers, sliding and coiling grilles, high speed doors, gym dividers and rolling shutters; (b) "undertakings of the branch of the designated trade" mean the installation, maintenance and repair of overhead doors and specialty doors. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the level two branch of the designated trade of overhead door technician: (a) the activities listed under the overhead door technician – level one branch of the designated trade of overhead door technician; (b) installing, maintaining and repairing overhead doors that (i) have a height of more than 10 feet, (ii) open to an interior with a ceiling height of more than 12 feet, and (iii) are installed on wooden, metal, composite or concrete jambs; (c) installing, maintaining and repairing specialty doors; (d) assembling, erecting, installing and dismantling material and personnel handling devices used for the installation, maintenance and repair of doors; (e) installing auxiliary devices such as open-close buttons with a voltage not greater than 24 volts; (f) installing and maintaining prewired electrical operating systems; (g) identifying, selecting and operating hand tools, power tools and measuring devices used in the designated trade; (h) reviewing and reading construction drawings, plans, specifications and related contract documents to prepare for and complete a project; (i) contributing to the health and safety of the work environment.
Painter and Decorator	**63(1)** In this section, (a) "finishing materials" means any type of residential, commercial and industrial finishing or coating materials and includes the following: (i) paints, stains, varnishes and other liquid finishes; (ii) paper, natural and synthetic fibre wall coverings; (iii) special finishes; (iv) fire proof and fire retardant coatings;

	(b) "undertakings of the designated trade" means the preparation of surfaces to receive finishing materials and the application of finishing materials. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of painter and decorator: (a) using detailed drawings, blueprints and other specifications; (b) taping and crack filling drywall surfaces; (c) applying opaque and transparent liquid coatings by brush, roller, spray or dipping to interior and exterior surfaces of wood, metal, brick, concrete, plaster, stucco and stone; (d) applying wall coverings consisting of paper and natural or synthetic fibre to surfaces in buildings and other structures; (e) removing existing coatings of paper, fabrics, paints and varnishes to repair and prepare undersurfaces for refinishing; (f) transposing super graphics; (g) finishing surfaces using abrasive blasting or other mechanical methods for decorative or protective purposes; (h) diagnosing problems related to finishing materials; (i) using, setting up and assembling rigging equipment, including wire rope, block and tackle, hoisting equipment and portable and suspension scaffolding; (j) using and maintaining hand tools, power equipment and precision-built machinery; (k) handling hazardous materials; (l) using new technology related to the activities set out in this section.
Parts Technician – Materials Technician Branch	**64(1)** In this section, (a) "commodities" includes any product, substance or organism pertaining to the following: (i) consumer services or products; (ii) agricultural services or products; (iii) transportation services or products; (iv) natural resource products; (v) manufacturing products; (vi) services or products for all levels of government; (b) "undertakings of the branch of the designated trade" means the stock handling, inventory control, storing, securing, identifying, cataloguing, ordering, shipping, transporting, receiving, inspecting, pricing, purchasing, issuing, marketing and selling of commodities. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the materials technician branch of the designated trade of parts technician:

	(a) assessing customer requirements and providing the commodities necessary for service, repair or replacement; (b) using electronic and non-electronic location systems, identification systems, communication systems and business procedures for the purpose of managing inventory and addressing customer needs; (c) selling and distributing commodities; (d) selecting, operating and basic maintenance of hand tools and material handling equipment; (e) wrapping, packaging, labelling and strapping commodities; (f) planning, maintaining and updating display areas; (g) operating and managing tool cribs.
Parts Technician – Parts Technician Branch	**65(1)** In this section, (a) "parts" means any part, assembly or accessory pertaining to the following: (i) automobiles and trucks; (ii) aviation; (iii) electronics; (iv) heavy duty vehicles and equipment; (v) agricultural equipment; (vi) industrial equipment; (vii) military equipment; (viii) motorcycles; (ix) outdoor power equipment; (x) recreational vehicles and equipment; (xi) marine equipment; (xii) turf equipment; (xiii) appliances; (b) "undertakings of the branch of the designated trade" means the stock handling, inventory control, storing, securing, identifying, cataloguing, ordering, shipping, transporting, receiving, inspecting, pricing, purchasing, issuing, marketing and selling of parts. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following are activities within the parts technician branch of the designated trade of parts technician: (a) assessing customer requirements and providing the parts necessary for service, repair or replacement; (b) using electronic and non-electronic location systems, identification systems, communication systems and business procedures for the purpose of managing inventory and addressing customer needs; (c) selling and distributing parts;

	(d) selecting, operating and basic maintenance of hand tools and material handling equipment; (e) wrapping, packaging, labelling and strapping parts; (f) planning, maintaining and updating display areas; (g) operating and managing tool cribs.
Plumber	**66(1)** In this section, (a) "plumbing" means any kind of residential, commercial, institutional or industrial piping systems, including fixtures and fittings, and includes the following: (i) below ground storm and sanitary systems; (ii) above ground storm and sanitary systems; (iii) underground public water supply systems; (iv) water distribution systems; (v) fixtures, appliances and trim; (vi) water supply systems; (vii) hydronic systems; (viii) irrigation systems; (ix) compressed gas, medical gas, air and vacuum systems; (x) water treatment devices; (xi) fire protection systems other than commercial sprinkler systems; (xii) ornamental water systems; (xiii) fuel gas systems and appliances; (b) "undertakings of the designated trade" means the fabrication, installation, alteration, maintenance and repair of plumbing. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of plumber: (a) fabricating, installing, altering, maintaining and repairing plumbing; (b) determining location, size and material required from prints and specifications; (c) compiling material breakdown and takeoff; (d) using tools and special equipment; (e) applying codes to installation requirements; (f) rigging equipment and piping components; (g) designing, installing and maintaining hydronic systems; (h) examining, installing, fabricating, testing, maintaining and replacing (i) water treatment equipment, piping and controls,

	(ii) drain, waste and vent piping systems, (iii) private and public water supply systems, (iv) water distribution systems, (v) plumbing fixtures, appliances and trim, (vi) rain water leaders, and (vii) supports and hangers; (i) ensuring that all installations, fixtures, equipment and hydronic and water treatment systems (i) are properly sized, aligned, supported and graded, (ii) meet the requirements of the appropriate codes and permits, (iii) meet the environmental protection requirements, and (iv) meet the requirements as specified by the manufacturer of the fixtures, equipment and systems; (j) maintaining and servicing private sewage systems.
Power System Electrician	**67(1)** In this section, (a) "power system" means any type of public or private electrical high voltage generation, transmission or distribution system and includes the following: (i) power system electrical equipment; (ii) power system metering apparatus; (iii) power system protection apparatus; (iv) power system control apparatus; (v) transportation control systems; (vi) electrical transportation systems; (vii) grounding and bonding systems; (b) "undertakings of the designated trade" means the installation, construction, maintenance, repair, monitoring and operation of power systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of power system electrician: (a) installing and constructing power systems; (b) maintaining and repairing power systems; (c) monitoring power systems; (d) operating power systems; (e) using tools, power tools, testing equipment, computers and specialty tools required by the designated trade; (f) installing, troubleshooting, maintaining and commissioning public or private power system equipment and apparatus;

	(g) interpreting and applying the provisions of the *Safety Codes Act* and the regulations under that Act for the purposes of carrying out the activities set out in this section; (h) interpreting electrical drawings and prints.
Powerline Technician	**68(1)** In this section, (a) "power line electrical transmission and distribution systems" includes the following: (i) overhead and underground transmission and distribution systems; (ii) poles; (iii) towers; (iv) transformers; (v) switching equipment; (vi) capacitors; (vii) protective devices; (viii) metering equipment; (ix) voltage regulators; (x) portable generation systems; (xi) street lighting equipment; (xii) light rail transit and trolley systems; (b) "undertakings of the designated trade" means the installation, construction, maintenance and repair of power line electrical transmission and distribution systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of powerline technician: (a) installing, constructing, maintaining and repairing power line electrical transmission and distribution systems; (b) using test equipment and specialty tools required by the designated trade; (c) operating vehicles and equipment related to the designated trade; (d) operating mobile lifting devices used in power line and electric utility services to auger holes and to set utility poles and place associated equipment; (e) giving directions respecting and supervising the placement of overhead and underground transmission and distribution lines; (f) inspecting, testing, disassembling, assembling, framing, erecting and setting poles, anchors, towers and associated equipment; (g) loading and offloading equipment, materials and supplies in overhead and underground systems;

	(h) installing, sagging, dead-ending, connecting, splicing, terminating, inspecting, testing, maintaining, repairing and locating overhead and underground primary and secondary conductors and cables; (i) installing, testing and maintaining the following: (i) transformers in overhead and underground systems; (ii) voltage regulators in overhead and underground systems; (iii) capacitors and switching equipment; (iv) isolating and protective devices on overhead and underground systems; (v) street lighting equipment; (vi) traffic signal systems; (vii) related metering equipment; (viii) light rail transit and trolley systems; (ix) precast vaults, pads, bases and duct work; (j) performing live line maintenance techniques; (k) operating, testing and re-fusing overhead and underground isolating and protective devices; (l) interpreting and applying regulations and standards related to power line electrical transmission and distribution systems.
Recreation Vehicle Service Technician	**69(1)** In this section, (a) "recreation vehicle" means any type of live-in recreation vehicle that is designed for travel, and includes the following: (i) travel trailers; (ii) truck campers; (iii) fifth wheel trailers; (iv) motor homes and conversions; (v) fold down camping trailers; (b) "undertakings of the designated trade" means (i) the diagnosis of problems relating to recreational vehicles, and (ii) the installation, service, maintenance, repair, removal, replacement and modification of parts, components, accessories, appliances and systems designed for recreational vehicles, but does not include the following: (iii) the service, maintenance, repair or overhaul of the engine or power train of a motor vehicle; (iv) the installation, removal or replacement of parts and components on the engine or power train of a motor vehicle; (v) the diagnosis of problems relating to the engine or power train of a motor vehicle.

	(2) When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of recreation vehicle service technician: (a) diagnosing problems relating to recreation vehicles; (b) installing, servicing, maintaining, repairing, removing, replacing and modifying parts, components, accessories, appliances and systems designed for recreation vehicles; (c) using hand tools, power tools, specialty tools and equipment while working on recreation vehicles; (d) using electrical, electronic and other measuring and testing devices while working on recreation vehicles; (e) installing, removing, modifying or repairing electrical wiring and components in recreation vehicles; (f) installing, removing, modifying or repairing hoses and piping in recreation vehicles; (g) diagnosing, installing, maintaining and servicing towing systems in recreation vehicles; (h) diagnosing, installing, maintaining and servicing chassis, frames, (i) suspension and mechanical components and systems in recreation vehicles; (i) repairing, modifying or replacing materials used in or in relation to recreation vehicles; (j) diagnosing, maintaining, modifying and installing gas and liquid components and systems used in recreation vehicles.
Refrigeration and Air Conditioning Mechanic	**70(1)** In this section, (a) "refrigeration and air conditioning system" means any type of primar or secondary refrigeration and air conditioning system, other than the duct work and sheet metal items associated with the system, and includes the following: (i) piping; (ii) compressor assemblies; (iii) condenser and cooling tower assemblies; (iv) evaporator assemblies and defrost systems; (v) system controls and control valves; (vi) air handling, distribution equipment and make up air and exhaust systems; (vii) heat recovery and indoor air quality systems; (viii) circulating pump assemblies; (ix) geo-thermal and heat pump systems; (x) packaged and central air conditioning systems; (xi) pre-fabricated walk-in coolers, freezers and environmental panels;

	(xii) system accessories and ancillary components; (xiii) monitoring and control and detection systems that are part of or used in respect of refrigeration and air conditioning systems; (xiv) commercial and industrial refrigeration process equipment and control systems; (xv) specialized food service equipment; (b) "undertakings of the designated trade" means the installation, maintenance, service, alteration, repair and decommission of refrigeration and air conditioning systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of refrigeration and air conditioning mechanic: (a) installing, maintaining and servicing refrigeration and air conditioning systems; (b) altering, repairing and decommissioning refrigeration and air conditioning systems; (c) removing refrigerants from refrigeration and air conditioning systems; (d) installing, removing, recycling, storing and disposing of primary and secondary refrigerants; (e) transporting, handling and using refrigerants and other dangerous goods; (f) using electrical and other measuring and testing devices in relation to refrigeration and air conditioning systems; (g) carrying out soldering, brazing, welding and various other pipe joining techniques on or in relation to refrigeration and air conditioning systems; (h) maintaining and making electrical repairs to existing equipment from the breaker or disconnect switch as follows: (i) changing controls, contactors, motors and compressors; (ii) repairing burnt or broken wires; (iii) making minor upgrades of controls to existing refrigeration and air conditioning systems; (i) maintaining and repairing refrigeration and air conditioning units, appliances and accessories designed for the utilization of natural or propane gas as a fuel for heating or cooling that do not exceed 400 000 BTU (117 kW) input; (j) using tools specific to the designated trade, hand tools and power tools while working on refrigeration and air conditioning systems.
Residential Construction Site Manager	**71(1)** In this section, (a) "residential construction site" means a residential construction site at which one or more new single- or multi-family homes that are not higher than four stories are being constructed;

	(b) "undertakings of the designated trade" means the management of a residential construction site. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of residential construction site manager: (a) planning, organizing, directing, controlling and evaluating activities at a residential construction site; (b) selecting, engaging the services of and supervising subcontractors; (c) consulting with home buyers, architects, engineers, building inspectors and municipal authorities about plans, specifications and permits; (d) planning and preparing work schedules and co-ordinating the activities of subcontractors; (e) inspecting work performed by subcontractors to ensure quality and conformity with plans and specifications; (f) representing the prime contractor for a residential construction site under the *Occupational Health and Safety Act*.
Roofer	**72(1)** In this section, (a) "roof" means any type of residential, commercial or industrial roof that is built up or shingled or that is coated with a plastic membrane, and includes the following: (i) roof decks; (ii) roof structures; (iii) foundations; (iv) control and expansion joints; (v) copings and parapets; (vi) eaves; (vii) curbs; (b) "undertakings of the designated trade" means the following: (i) the preparation, application, service, insulation and replacement of roofs; (ii) the damp-proofing and waterproofing of roofs and coolers; (iii) the installation of roof tiles that are made of clay, concrete, steel, fiberglass, cement fibre or similar material; (iv) the installation of rigid pre-formed sheet roofing systems that are made of metal, vinyl or fiberglass. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of roofer: (a) preparing, applying, servicing, insulating and replacing roofs; (b) damp-proofing and waterproofing roofs and coolers;

	(c) installing on roofs tiles that are made from clay, concrete, steel, fibreglass, cement fibre or similar material; (d) installing rigid pre-formed sheet roofing systems that are made of metal, vinyl or fiberglass; (e) removing existing roof; (f) preparing and repairing roof deck surfaces; (g) installing and repairing vapour barriers and insulation, whether flat or tapered; (h) applying conventional and inverted built-up roofing systems hot and cold process materials; (i) installing single-ply sheet membrane roofing systems; (j) applying shingles to new and existing buildings, including asphalt, fibreglass, metal, wood, SBS modified, slate and cement fibre shingles; (k) diagnosing and repairing any problem relating to roofs; (l) using all hand and power operated equipment used to carry out the activities set out in this section; (m) working with roofing materials; (n) preparing, servicing and applying waterproofing materials; (o) interpreting blueprints and shop drawings; (p) laying out and developing projects according to blueprints and shop drawing specifications; (q) calculating roofing materials and quantities of roofing materials; (r) storing and handling roofing materials and equipment.
Sheet Metal Worker	**73(1)** In this section, (a) "heating system" means a system for heating and circulating air inside a building using a gas fired appliance; (b) "sheet metal items" means the following: (i) square or round duct lines and fittings; (ii) sheet metal containers; (iii) sheet metal roofs, roof flashings and accessories; (iv) sheet metal lagging; (v) all other custom fabricated objects constructed from sheet metal; (c) "undertakings of the designated trade" means the following: (i) the lay out, preparation, fabrication, assembly and installation of sheet metal items; (ii) the fabrication, installation, service, maintenance and upgrade of (A) fume and dust exhaust systems for residential, commercial and industrial sites,

	(B) heating systems, ventilation systems and venting systems for residential, commercial and industrial sites, (C) air conditioning systems of up to 5 tons total capacity per system for residential sites, and (D) equipment associated with the undertakings referred to in paragraphs (A) to (C); (d) "ventilation system" means a system for exchanging air inside a building with fresh outside air and circulating air within a building; (e) "venting system" means a system for exhausting combustion gases to the outside of a building and supplying air for combustion by heating systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following are activities within the designated trade of sheet metal worker: (a) laying out, preparing, fabricating, assembling and installing sheet metal items; (b) fabricating, installing, servicing, maintaining and upgrading the following: (i) fume and dust exhaust systems for residential, commercial and industrial sites; (ii) heating systems, ventilation systems and venting systems for residential, commercial and industrial sites; (iii) air conditioning systems of up to 5 tons total capacity per system for residential sites; (iv) equipment associated with fabricating, installing, servicing, maintaining and upgrading any of the systems listed in subclauses (i) to (iii); (c) using sheet metal pattern development methods and standards; (d) using various types of sheet metal materials; (e) assembling and installing equipment, materials and system components on the job site; (f) laying out, preparing, assembling and installing venting systems and pre-fabricated components of venting systems; (g) installing, maintaining and repairing the following: (i) furnaces; (ii) heat pumps; (iii) unit heaters; (iv) combination rooftop units; (v) make-up air units; (vi) heat recovery and indoor air quality systems; (vii) heating systems; (viii) ventilation systems;

	(ix) air conditioning systems of up to 5 tons total capacity per system; (x) appliances; (xi) accessories to any item listed in subclauses (i) to (x) and equipment similar to any item listed in subclauses (i) to (x) or used for sheet metal work; (h) carrying out the following servicing on electrical components of heating systems, ventilation systems and air conditioning systems, along with the associated connection and disconnection of de-energized electrical supply circuits of the systems: (i) servicing or changing controls, contactors and motors; (ii) repairing burnt or broken wires; (iii) making minor upgrades of controls to existing heating systems, ventilation systems and air conditioning systems; (i) using sheet metal welding equipment in heat straightening, cutting and joining metals; (j) using sheet metal shop equipment, including rotary, bench and floor machines; (k) assembling, erecting, installing and removing material and personnel handling devices, scaffolds, ropes and slings; (l) using hand tools, power tools, transits, levels and explosive actuated tools; (m) using detailed drawings, blueprints and other specifications; (n) estimating, job planning, preparing and scheduling; (o) applying new innovative technological changes in the designated trade, including materials and methods of construction.
Slickline Services – Assistant Operator Branch	**74(1)** In this section, (a) "braided line" means a multi-strand line or wire rope; (b) "slickline" means a solid single-strand line that is used for the selective placement, manipulation and retrieval of wireline tools and flow control equipment within a wellbore; (c) "specialty line" means a continuous length of sealed metal tube that is similar in handling and appearance to slickline and houses either wire or fibre optics at its core; (d) "undertakings of the branch of the designated trade" means the use of slickline, specialty line or braided line in conjunction with operation-specific tools to perform completion, production and abandonment operations for the life cycle of a wellbore; (e) "wellbore" means a hole drilled for the purpose of exploration or extraction of natural gas, oil or water. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within assistant operator branch of the designated trade of slickline services: (a) contributing to the health and safety of the work environment;

	(b) contributing to the control of critical and emergency situations; (c) supporting environmental protection; (d) contributing to an effective work environment; (e) maintaining and servicing slickline services equipment; (f) driving vehicles; (g) supporting pre-job, job and post-job operations; (h) performing the activities of the level one operator branch of the designated trade of slickline services as set out in section 75(2)(c)-(i) under the supervision of a level one operator.
Slickline Services – Level One Operator Branch	**75(1)** In this section, (a) "braided line" means a multi-strand line or wire rope; (b) "pressure control equipment" means equipment used to contain wellbore pressure at surface; (c) "slickline" means a solid single-strand line that is used for the selective placement, manipulation and retrieval of wireline tools and flow control equipment within a wellbore; (d) "specialty line" means a continuous length of sealed metal tube that is similar in handling and appearance to slickline and houses either wire or fibre optics at its core; (e) "undertakings of the branch of the designated trade" means the use of slickline, specialty line or braided line in conjunction with operation-specific tools to perform completion, production and abandonment operations for the life cycle of a wellbore; (f) "wellbore" means a hole drilled for the purpose of exploration or extraction of natural gas, oil or water. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level one operator branch of the designated trade of slickline services: (a) performing the activities of the assistant operator branch of the designated trade of slickline services as set out in section 74(2)(a)-(g); (b) supervising assistant operators performing the activities of the level one operator branch of the designated trade of slickline services; (c) establishing operational requirements; (d) selecting, testing and transporting slickline services equipment; (e) rigging slickline services equipment; (f) operating pressure control equipment; (g) running tools; (h) removing sand and paraffin from a wellbore; (i) running instruments to record pressure and temperature at the bottom of a wellbore;

	(j) performing activities of the level two operator branch of the designated trade of slickline services as set out in section 76(2)(c)-(g) under the supervision of a level two operator.
Slickline Services – Level Two Operator Branch	**76(1)** In this section, (a) "bailing" means removing mud, sand, cuttings and other debris from the bottom of a wellbore with a bailer; (b) "braided line" means a multi-strand line or wire rope; (c) "fishing" means retrieving lost or stuck equipment from a wellbore; (d) "flow control equipment" means equipment to control well flow and includes plugs, test tools, chokes, standing valves, side door chokes, sleeves and shut-in tools; (e) "perforating" means creating holes in tubing to establish communication between the tubing and the casing of the wellbore' (f) "slickline" means a solid single-strand line that is used for the selective placement, manipulation and retrieval of wireline tools and flow control equipment within a wellbore; (g) "specialty line" means a continuous length of sealed metal tube that is similar in handling and appearance to slickline and houses either wire or fibre optics at its core; (h) "swabbing" means lifting fluid from the wellbore through the use of a wire rope or slickline, a swab mandrel and a swab cup; (i) "undertakings of the branch of the designated trade" means the use of slickline, specialty line or braided line in conjunction with operation-specific tools to perform completion, production and abandonment operations for the life cycle of a wellbore; (j) "wellbore" means a hole drilled for the purpose of exploration or extraction of natural gas, oil or water. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within that level two operator branch of the designated trade of slickline services: (a) performing the activities of the level one operator branch of the designated trade of slickline services as set out in section 75(2)(a)-(i), (b) supervising level one operators performing activities of the level two branch of the designated trade of slickline services, (c) installing and retrieving flow control equipment; (d) bailing; (e) general fishing; (f) perforating; (g) swabbing; (h) performing activities of the level three operator branch of the designated trade of slickline services as set out in section 77(2)(c)-(g) under the supervision of a level three operator.

Slickline Services – Level Three Operator Branch	**77(1)** In this section, (a) "braided line" means a multi-strand line or wire rope; (b) "explosives" has the same meaning as in the *Occupational Health and Safety Regulation* (AR 62/2003); (c) "fishing" means retrieving lost or stuck equipment from a wellbore; (d) "flow control equipment" means equipment to control well flow and includes plugs, test tools, chokes, standing valves, side door chokes, sleeves and shut-in tools; (e) "high pressure well" means a well with a maximum potential wellbore surface pressure that is greater than 35MPa (5000 psi); (f) "slickline" means a solid single-strand line that is used for the selective placement, manipulation and retrieval of wireline tools and flow control equipment within a wellbore; (g) "specialty line" means a continuous length of sealed metal tube that is similar in handling and appearance to slickline and houses either wire or fibre optics at its core; (h) "undertakings of the branch of the designated trade" means the use of slickline, specialty line or braided line in conjunction with operation-specific tools to perform completion, production and abandonment operations for the life cycle of a wellbore; (i) "wellbore" means a hole drilled for the purpose of exploration or extraction of natural gas, oil or water. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level three operator branch of the designated trade of slickline services: (a) performing the activities of the level two operator branch of the designated trade of slickline services as set out in section 76(2)(a)-(g); (b) supervising level two operators performing activities of the level three operator branch of the designated trade of slickline services; (c) conducting operations with braided line or specialty line; (d) performing operations in a wellbore of a well designated as a critical sour well; (e) conducting high pressure well operations; (f) complex fishing; (g) conducting operations using explosives.
Snubbing Services – Assistant Operator Branch	**78(1)** In this section, (a) "tubing" means production pipe used to bring products to the surface; (b) "undertakings of the branch of the designated trade" means the use of snubbing equipment to insert or remove drill pipe, tubing or specialized equipment into or from a well when the blowout preventers are closed while containing well pressure;

	(c) "well" means a producing oil or gas well under pressure; (d) "wellbore" means the rock face that bounds an opening to a well. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the assistant operator branch of the designated trade of snubbing services: (a) contributing to the health and safety of the work environment; (b) contributing to the control of critical and emergency situations; (c) contributing to the management of spills and waste products; (d) operating, inspecting and maintaining equipment and motorized vehicles; (e) identifying wellbore hydraulic parameters; (f) assisting with job operations.
Snubbing Services – Level One Operator Branch	**79(1)** In this section, (a) "tubing" means production pipe used to bring products to the surface; (b) "undertakings of the branch of the designated trade" means the use of snubbing equipment to insert or remove drill pipe, tubing or specialized equipment into or from a well when the blowout preventers are closed while containing well pressure; (c) "well" means a producing oil or gas well under pressure; (d) "wellbore" means the rock face that bounds an opening to a well. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level one operator branch of the designated trade of snubbing services; (a) performing the activities of the assistant operator branch of the designated trade of snubbing services as set out in section 78; (b) crew training; (c) arranging job travel and logistics; (d) performing wellbore hydraulic calculations; (e) pre-job and post-job operations; (f) sing string completions in one or two zones; (g) applying industry recognized practices; and (h) operating a sweet well with a surface pressure less than 10 MPa.
Snubbing Services – Level Two Operator Branch	**80(1)** In this section, (a) "fishing" means using specialized tools and equipment to remove tools, debris, sand or fill from a well; (b) "lubricating" means fitting and removing pressure-control equipment to the wellhead to enable specialized tools to be used in the well;

	(c) "staging" means isolating a specialized tool between blowout preventers to enable the tool to be used in the well; (d) "stripping on or off" means placing specialized equipment over tubing to enable specialized equipment or tools to be used in the well; (e) "undertakings of the branch of the designated trade" means the use of snubbing equipment to insert or remove drill pipe, tubing or specialized equipment into or from a well when the blowout preventers are closed while containing well pressure; (f) "well" means a producing oil or gas well under pressure; (g) "zone" means a producing section or formation of a well. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level two operator branch of the designated trade of snubbing services: (a) performing the activities of the level one operator branch of the designated trade of snubbing services as set out in section 79; (b) applying safety criteria for sour wells; (c) lubricating; (d) fishing; (e) staging; (f) stripping on or off; (g) multiple string completions in 2 or more zones; (h) operating a sweet or sour well with a surface pressure less than 21 MPa.
Snubbing Services – Level Three Operator Branch	**81(1)** In this section, (a) "undertakings of the branch of the designated trade" means the use of snubbing equipment to insert or remove drill pipe, tubing or specialized equipment into or from a well when the blowout preventers are closed while containing well pressure; (b) "well" means a producing oil or gas well under pressure. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level three operator branch of the designated trade of snubbing services: (a) performing the activities of the level two operator branch of the designated trade of snubbing services as set out in section 80; (b) operating a sweet, sour or critical sour well with a surface pressure equal to or greater than 21 MPa.
Snubbing Services – Level One Supervisor Branch	**82(1)** In this section, (a) "undertakings of the branch of the designated trade" means the use of snubbing equipment to insert or remove drill pipe, tubing or specialized equipment into or from a well when the blowout preventers are closed while containing well pressure;

	(b) "well" means a producing oil or gas well under pressure; (c) "wellbore" means the rock face that bounds an opening to a well. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level one supervisor branch of the designated trade of snubbing services: (a) performing the activities of the level two operator branch of the designated trade of snubbing services as set out in section 80; (b) ensuring the health and safety of the work environment and work practices; (c) implementing environmental policy; (d) identifying and utilizing wellbore hydraulic parameters; (e) supervising operations on a sweet or sour well with a surface pressure less than 21 MPa.
Snubbing Services – Level Two Supervisor Branch	**83(1)** In this section, (a) "undertakings of the branch of the designated trade" means the use of snubbing equipment to insert or remove drill pipe, tubing or specialized equipment into or from a well when the blowout preventers are closed while containing well pressure; (b) "well" means a producing oil or gas well under pressure; (c) "wellbore" means the rock face that bounds an opening to a well. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level two supervisor branch of the designated trade of snubbing services: (a) performing the activities of the level three operator branch of the designated trade of snubbing services as set out in section 81; (b) performing the activities of the level one supervisor branch of the designated trade of snubbing services as set out in section 82; (c) supervising operations on a sweet, sour or critical well with a surface pressure less than 21 MPa.
Sprinkler Systems Installer	**84(1)** In this section, (a) "sprinkler system" means any kind of residential, commercial or industrial sprinkler system and includes the following: (i) automatic fire suppression systems; (ii) automatic detection suppression systems; (iii) stand pipe and hose systems; (iv) fire protection water supply systems, including underground mains; (v) fire pumps and controls; (vi) fire extinguishers; (vii) fire hydrants and related equipment;

	(viii) fire stopping materials; (ix) piping, controls and fittings that are part of or ancillary to a sprinkler system; (b) "undertakings of the designated trade" means the fabrication, installation, alteration, adjustment, maintenance and repair of sprinkler systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following activities are performed within the designated trade of sprinkler systems installer: (a) fabricating, installing, altering, adjusting, maintaining and repairing sprinkler systems, including the following: (i) wet sprinkler systems; (ii) dry sprinkler systems; (iii) pre-action and deluge systems; (iv) foam systems; (v) CO2 and other gas extinguishing systems; (vi) dry chemical systems; (vii) exposure protection systems; (b) determining location, size and material required from prints and specifications; (c) compiling material breakdown and takeoff; (d) identifying and using tools and special equipment that are used to carry out the activities set out in this section; (e) erecting and using steel scaffolding, power-operated scaffolding and swing stages; (f) applying codes to installation, inspection and maintenance requirements; (g) rigging equipment and piping components; (h) installing and maintaining appliances, controls, equipment, piping and hangers; (i) examining, inspecting and testing sprinkler systems.
Steamfitter-Pipefitter	**85(1)** In this section, (a) "piping system" means any type of commercial or industrial piping system and includes the following: (i) hot liquid systems; (ii) high and low pressure steam systems; (iii) boilers and controls for boilers; (iv) control and indicating devices systems; (v) heating and cooling systems; (vi) heat exchanger systems; (vii) process systems;

	(viii) power plant systems; (ix) compressed gas systems; (x) vacuum, pneumatic and hydraulic systems; (xi) fire protection systems other than sprinkler systems; (xii) flue gas systems; (xiii) water treatment systems; (xiv) fuel systems; (xv) medical gas systems; (b) "undertakings of the designated trade" means the fabrication, installation, alteration, maintenance and repair of piping systems. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following activities are performed within the designated trade of steamfitter-pipefitter: (a) fabricating, installing, altering, maintaining and repairing piping systems; (b) determining location, size and material required; (c) producing fabrication and layout drawings from prints and specifications; (d) compiling material breakdown and takeoff; (e) identifying and using tools and special equipment that are used to carry out the activities set out in this section; (f) applying codes to installation requirements; (g) rigging, hoisting and lifting equipment and piping components; (h) installing, maintaining, servicing and troubleshooting boilers and controls; (i) installing, maintaining and servicing heat exchange equipment and controls; (j) cutting, preparing, aligning and assembling piping; (k) installing, maintaining and servicing pumps, valves and related equipment; (l) installing, maintaining and servicing components in heating, ventilation and air conditioning systems; (m) fabricating and installing pipe supports, hangers and equipment supports.
Steel Detailer – Level One Branch	**86(1)** In this section, (a) "detailed drawings" includes: (i) detailed shop drawings; (ii) fabrication or installation drawings; (iii) electronic data; (iv) notes;

	(v) and specifications; (b) "structural steel components" means the following: (i) girders, trusses and built-up sections; (ii) welded or bolted beams and columns; (iii) metal conventional and spiral stairs; (iv) metal ladders and platforms; (v) metal railings; (vi) structural or miscellaneous steel or metal components not referred to in subclauses (i) to (v) (c) "undertakings of the branch of the designated trade" means the preparation and modification of detailed drawings used for the fabrication and installation of structural steel components. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level one branch of the designated trade of steel detailer: (a) using drawings and specifications provided by engineers or architects, and information provided in government and industry codes, standards and guidelines; (b) using computers, computer networks, electronic data, storage devices, software and printers or plotters; (c) using manual drafting tools.
Steel Detailer – Level Two Branch	**87(1)** In this section, (a) "detailed drawings" includes: (i) detailed shop drawings; (ii) fabrication or installation drawings; (iii) electronic data; (iv) notes; (v) and specifications; (b) "structural steel components" means the following: (i) girders, trusses and built-up sections; (ii) welded or bolted beams and columns; (iii) metal conventional and spiral stairs; (iv) metal ladders and platforms; (v) metal railings; (vi) structural or miscellaneous steel or metal components not referred to in subclauses (i) to (v) (c) "undertakings of the branch of the designated trade" means the preparation and modification of detailed drawings used for the fabrication and installation of structural steel components.

	(2) When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level two branch of the designated trade of steel detailer: (a) using drawings and specifications provided by engineers or architects, and information provided in government and industry codes, standards and guidelines; (b) using computers, computer networks, electronic data, storage devices, software and printers or plotters; (c) using manual drafting tools.
Steel Detailer – Level Three Branch	**88(1)** In this section, (a) "detailed drawings" includes: (i) detailed shop drawings; (ii) fabrication or installation drawings; (iii) electronic data; (iv) notes; (v) and specifications; (b) "structural steel components" means the following: (i) girders, trusses and built-up sections; (ii) welded or bolted beams and columns; (iii) metal conventional and spiral stairs; (iv) metal ladders and platforms; (v) metal railings; (vi) structural or miscellaneous steel or metal components not referred to in subclauses (i) to (v) (c) "undertakings of the branch of the designated trade" means the preparation and modification of detailed drawings used for the fabrication and installation of structural steel components. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level three branch of the designated trade of steel detailer: (a) using drawings and specifications provided by engineers or architects, and information provided in government and industry codes, standards and guidelines; (b) using computers, computer networks, electronic data, storage devices, software and printers or plotters; (c) using manual drafting tools.
Transport Refrigeration Technician	**89 (1)** In this section, (a) "auxiliary power units" include mobile generator systems and other alternative power supplies, the main purpose of which is to support mobile refrigeration and heating equipment; (b) "mobile equipment" includes trucks, trailers and specialized shipping containers with heating and air conditioning systems;

	(c) "mobile refrigeration and heating equipment" means any type of primary or secondary refrigeration system used to supply optimal environmental conditions for transportation of goods by mobile equipment, including the following components: (i) piping; (ii) compressor assemblies; (iii) condenser assemblies; (iv) evaporator assemblies; (v) system controls and control valves; (vi) air handling and distribution equipment; (vii) humidifier assemblies; (viii) air cleaner assemblies; (ix) system accessories and ancillary components; (x) equipment used to monitor and control refrigeration systems and detect malfunctions in refrigeration systems; (xi) auxiliary heaters; (xii) mechanical generating systems; (xiii) electrical and hybrid power supply systems; (xiv) diesel engines and related systems; (d) "undertakings of the designated trade" means the installation, maintenance, service, alteration and repair of mobile refrigeration and heating equipment and auxiliary power units. **(2)** When practicing or otherwise carrying out work in the undertakings of the designated trade, the following activities are performed within the designated trade of transport refrigeration technician: (a) installing, maintaining, servicing, altering and repairing (i) mobile refrigeration and heating equipment, and (ii) auxiliary power units; (b) using hand tools, power tools and specialized tools and equipment while working on mobile refrigeration and heating equipment; (c) using mechanical, electrical, electronic and other measuring and testing devices in relation to mobile refrigeration and heating equipment; (d) carrying out soldering, brazing and welding on or in relation to mobile refrigeration and heating equipment; (e) maintaining and making electrical repairs to existing mobile refrigeration and heating equipment and auxiliary power units from the breaker or disconnect switch as follows: (i) repairing burnt, broken or damaged wires and connections; (ii) making upgrades to controls of existing mobile refrigeration and heating equipment;

	(f) installing, maintaining and repairing natural gas and propane gas auxiliary heating units as well as hybrid control systems; (g) installing, maintaining and repairing engines and compressors; (h) installing, removing, recycling, storing and disposing of primary and secondary refrigerants; (i) transporting, handling and using refrigerants and other dangerous goods related to mobile refrigeration and heating systems.
Water Well Driller – Earth Loop Technician Branch	**90(1)** In this section, (a) "earth loop" means any part, assembly or accessory pertaining to ground source heat exchange systems comprised of piping that is placed into the earth in a series of closed loops and transports fluid for the purpose of heating and cooling residential homes or commercial buildings or both; (b) "undertakings of the branch of the designated trade" means the designing, drilling, construction, installation, grouting, servicing, reconditioning and decommissioning of earth loops. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the earth loop technician branch of the designated trade of water well driller: (a) drilling bore fields and holes and constructing horizontal trenches; (b) designing, drilling, constructing and installing earth loops; (c) grouting bore fields and holes; (d) servicing, reconditioning and decommissioning of earth loops; (e) completing earth loop records and reports as required by the Government of Alberta and the ground source heat exchange industry; (f) operating the tools of the designated trade; (g) operating and maintaining equipment and drilling systems for drilling earth loops; (h) heating and cutting metal using the appropriate equipment; (i) identifying and applying the standards and regulations governing the ground source heat exchange industry; (j) identifying and describing geological formations; (k) monitoring and managing natural gas in the drilling and completion of earth loop bore fields and holes; (l) monitoring groundwater.
Water Well Driller – Water Well Driller Branch	**91(1)** In this section, (a) "undertakings of the branch of the designated trade" means the following: (i) the designing, drilling, construction, development, servicing, disinfecting, sanitation, reconditioning and decommissioning of water wells;

	(ii) the repairing, servicing, installing and disinfecting of water well pumps and systems; (b) "water well" means a hole or shaft sunk into the earth by means of a mobile rotary, boring or cable tool drilling rig to provide access to a water source for residential, commercial or industrial purposes or any combination of those purposes. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the water well driller branch of the designated trade of water well driller: (a) designing, drilling, constructing, developing, servicing, disinfecting, sanitizing, reconditioning and decommissioning water wells; (b) repairing, servicing, installing and disinfecting water well pumps and systems; (c) completing a bore hole into a finished productive water well; (d) completing and grouting a bore hole; (e) completing water well records and reports as required by the Government of Alberta and the groundwater industry; (f) operating the tools of the designated trade; (g) operating and maintaining equipment and drilling systems for drilling water wells; (h) heating and cutting metal using the appropriate equipment; (i) connecting and installing electrical connections to water pumps; (j) identifying and applying the standards and regulations governing the groundwater industry; (k) identifying and describing geological formations; (l) exploring for groundwater; (m) recognizing groundwater flow; (n) interpreting chemical content of groundwater; (o) monitoring and managing natural gas in the drilling and completion of water wells; (p) monitoring groundwater.
Welder – Welder Branch	**92(1)** In this section, (a) "component" means any object that consists of ferrous or non-ferrous metal and includes the following objects that are made of or that consist of ferrous or non-ferrous metal: (i) structures; (ii) pipe; (iii) vessels; (iv) containers;

	(b) "undertakings of the branch of the designated trade" means the fabrication, service, maintenance and repair of components. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the welder branch of the designated trade of welder: (a) fabricating components; (b) servicing, maintaining and repairing components; (c) setting up oxyfuel accessories using recommended installation procedures; (d) cutting, shaping and fitting steel using oxyfuel processes; (e) cleaning and inspecting cut surfaces; (f) fusion welding using manual oxyfuel processes; (g) brazing and braze welding using oxyfuel processes; (h) applying surfacing materials using oxyfuel processes; (i) joining metals using soldering processes; (j) setting up and welding using shielded metal arc, gas metal arc, flux core arc, submerged arc and gas tungsten arc welding processes; (k) cutting and gouging using electric arc welding processes; (l) welding and cutting using plasma arc processes; (m) setting up equipment and welding using resistance welding processes; (n) identifying metals and performing preparation and assembly tasks prior to welding; (o) performing supplementary and disassembly procedures; (p) using hand tools, power tools and shop equipment; (q) using new innovative technological changes in the designated trade with respect to (i) materials or method of construction, and (ii) the carrying out of the activities set out in this section.
Welder – Wire Process Operator Branch	**93(1)** In this section, (a) "component" means any object that consists of ferrous or non-ferrous metal and includes the following objects that are made of or that consist of ferrous or non-ferrous metal: (i) structures; (ii) pipe; (iii) vessels; (iv) containers; (b) "undertakings of the branch of the designated trade" means the fabrication, service, maintenance and repair of components using processes other than shielded metal arc and gas tungsten arc processes.

	(2) When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the wire process operator branch of the designated trade of welder: (a) fabricating components using processes other than shielded metal arc and gas tungsten arc processes; (b) servicing, maintaining and repairing components using processes other than shielded metal arc and gas tungsten arc processes; (c) cutting steel using oxyfuel processes; (d) cleaning and inspecting cut surfaces; (e) setting up and welding using gas metal arc, flux core arc and submerged arc welding processes; (f) cutting and gouging using electric arc welding processes; (g) welding and cutting using plasma arc processes; (h) setting up equipment and welding using resistance welding processes; (i) identifying metals and performing preparation and assembly tasks prior to welding; (j) using new innovative technological changes in the designated trade with respect to (i) materials or method of construction, and (ii) the carrying out of the activities set out in this section.
Well Testing Services Supervisor – Level Three Branch	**94(1)** In this section, (a) "undertakings of the branch of the designated trade" means (i) pre-job planning, (ii) trip management, (iii) rig-in, (iv) flowing the well, (v) recording data, (vi) rig-out, (vii) post-job management, and (viii) inspection and maintenance of well testing system; (b) "well testing" means (i) the continuous process by which well data is collected during the exploration, development and production of oil and gas resources in order to determine reservoir deliverability and identify fluids produced, and (ii) the various completion operations, including swabbing, frac flow back, acid stimulating, blow downs and circulating well bore returns, that are performed on a well to assist in its operation; (c) "well testing system" means any system that is used for well testing and is comprised of any or all of the following:

	(i) pressurized vessels; (ii) emergency shutdown valves; (iii) flow lines; (iv) choke manifolds; (v) line heaters; (vi) flare stacks; (vii) propane tanks and vaporizers; (viii) flow meters; (ix) test kits; (x) pumps; (xi) pipe skids; (xii) computers and data collection devices. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level three branch of the designated trade of well testing services supervisor: (a) contributing to the safety environment; (b) contributing to control of critical and emergency situations; (c) supporting environmental protection; (d) establishing communications and working relationships; (e) leading the shift and reporting to immediate supervisor; (f) supporting pre-job planning; (g) supporting rig-in; (h) flowing the well and recording program data; (i) supporting demobilization, rig-out and transport; (j) performing housekeeping and supplies requisition; (k) using system documentation; (l) conducting equipment inspections and maintenance; (m) supporting crew training; (n) the operation, inspection and maintenance of motorized vehicles; (o) managing critical and emergency situations; (p) supervising current shift and support cross-shift crew; (q) managing multi-equipment jobs; (r) testing sour wells; (s) operating high pressure systems; (t) testing wells with shut in pressure of not more than 34.5 MPa (5000 psi); (u) performing the activities of the level four branch of the designated trade of well testing services supervisor as set out in section

	95(2)(b)-(d) under supervision of a person who holds a trade certificate in the level four branch of the designated trade of well testing services supervisor.
Well Testing Services Supervisor – Level Four Branch	**95(1)** In this section, (a) "undertakings" means (i) pre-job planning, (ii) trip management, (iii) rig-in, (iv) flowing the well, (v) recording data, (vi) rig-out, (vii) post-job management, and (viii) inspection and maintenance of well testing system; (b) "well testing" means (i) the continuous process by which well data is collected during the exploration, development and production of oil and gas resources in order to determine reservoir deliverability and identify fluids produced, and (ii) the various completion operations, including swabbing, frac flow back, acid stimulating, blow downs and circulating well bore returns, that are performed on a well to assist in its operation; (c) "well testing system" means any system that is used for well testing and is comprised of any or all of the following: (i) pressurized vessels; (ii) emergency shutdown valves; (iii) flow lines; (iv) choke manifolds; (v) line heaters; (vi) flare stacks; (vii) propane tanks and vaporizers; (viii) flow meters; (ix) test kits; (x) pumps; (xi) pipe skids; (xii) computers and data collection devices. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level four branch of the designated trade of well testing services supervisor:

	(a) performing the activities of the level three branch of the designated trade of well testing services supervisor as set out in section 94(2)(a)-(t); (b) supervising large well testing crews; (c) managing multi-stage separation testing; (d) testing critical sour wells; (e) performing the activities of the level five branch of the designated trade of well testing services supervisor as set out in section 96(2)(b)-(f) under supervision of a person who holds a trade certificate in the level five branch of the designated trade of well testing services supervisor.
Well Testing Services Supervisor – Level Five Branch	**96(1)** In this section, (a) "undertakings of the branch of the designated trade" means (i) pre-job planning, (ii) trip management, (iii) rig-in, (iv) flowing the well, (v) recording data, (vi) rig-out, (vii) post-job management, and (viii) inspection and maintenance of well testing system; (b) "well testing" means (i) the continuous process by which well data is collected during the exploration, development and production of oil and gas resources in order to determine reservoir deliverability and identify fluids produced, and (ii) the various completion operations, including swabbing, frac flow back, acid stimulating, blow downs and circulating well bore returns, that are performed on a well to assist in its operation; (c) "well testing system" means any system that is used for well testing and is comprised of any or all of the following: (i) pressurized vessels; (ii) emergency shutdown valves; (iii) flow lines; (iv) choke manifolds; (v) line heaters; (vi) flare stacks; (vii) propane tanks and vaporizers; (viii) flow meters; (ix) test kits;

	(x) pumps; (xi) pipe skids; (xii) computers and data collection devices. **(2)** When practicing or otherwise carrying out work in the undertakings of the branch of the designated trade, the following activities are performed within the level five branch of the designated trade of well testing services supervisor: (a) performing the activities of the level four branch of the designated trade of well testing services supervisor as set out in section 95(2)(a)-(d); (b) testing wells with shut in pressure of more than 34.5 MPa (5000 psi); (c) contributing to the planning and preparation of complex jobs and projects; (d) co-ordinating the running of complex jobs and projects; (e) co-ordinating complex jobs and projects; (f) contributing to the closure of complex jobs and projects.

Designated Trades' Activities and Certification Requirements Order 3/2025

Schedule 2 - Designated Trades' Certification Requirements

A. Further to **Section 3** of this Order, the Board established four streams of certification requirements for an Alberta Journeyperson Certificate in a designated trade or branch of a designated trade as follows:

1. For designated trades with an Alberta credential, **Stream A** certification requirements for an Alberta Journeyperson Certificate in a designated trade or branch of a designated trade is proof of an Alberta credential in that designated trade or that branch of a designated trade.

2. For designated trades without an Alberta credential, **Stream B** certification requirements for an Alberta Journeyperson Certificate in a designated trade or branch of a designated trade is proof of the successful completion of education or training recognized and required by the Board for that designated trade or that branch of a designated trade, and if also required by the board, the following:

   (a) minimum work experience in that designated trade or that branch of a designated trade, and

   (b) one or more examinations.

3. For specified designated trades or branches of a designated trade, **Stream C** certification requirements for an Alberta Journeyperson Certificate in a designated trade or branch of a designated trade is proof of

   (a) minimum work experience in that designated trade or that branch of a designated trade,

   (b) a satisfactory report from the person's current employer, or other evidence acceptable to the Administrator, confirming the person has the skill and knowledge in that designated trade or that branch of a designated trade, or in respect of one or more activities in that designated trade or that branch of a designated trade that is expected of person with a trade certificate in that designated trade or that branch of a designated trade,

   (c) one or more examinations, and

   (d) if required by the Board, successful completion of mandatory education or training for that designated trade or that branch of a designated trade.

4. With respect to the minimum work experience certification requirement described in **Stream C**, individuals may receive credit for proof of the successful completion of the following

   (a) education or training recognized by the Board for credit in that designated trade or that branch of a designated trade, other than education or training required under **Stream A** or **Stream B**; or

   (b) a valid Alberta Journeyperson Certificate or valid recognized trade certificate under Part 3 of this Order

      (i) in a different designated trade or branch of a designated trade recognized by the Board for credit in that designated trade or that branch of a designated trade, or

      (ii) in a different branch of that designated trade recognized by the Board for credit in that branch of that designated trade.

5. For specified designated trades or branches of a designated trade, **Stream D** certification requirements for an Alberta Journeyperson Certificate in a designated trade or branch of a designated trade is proof of the following

   (a) a valid recognized trade certificate under Part 3 of this Order in that designated trade or that branch of a designated trade, and

   (b) successful completion of one or more examinations.

6. Notwithstanding the certification requirements in **Stream D**, proof of a recognized trade certificate under Part 3 of this Order with a Red Seal Endorsement in a designated trade or branch of a designated trade is not eligible for an Alberta Journeyperson Certificate in that designated trade or that branch of a designated trade.

B. The following table describes the four streams of certification requirements established by the Board for an Alberta Journeyperson Certificate in each designated trade and branch of a designated trade.

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Agricultural Equipment Technician	Advanced Diploma - Agricultural Equipment Technician	N/A	9 360	72	N/A	Yes	N/A	• Automotive Service Technician. • Heavy Equipment Technician - Heavy Equipment Technician • Heavy Equipment Technician - Heavy Duty Equipment Mechanic (Off Road) • Heavy Equipment Technician - Truck and Transport Mechanic • Heavy Equipment Technician - Transport Trailer Mechanic	• National Craft Certificate Level 6 for Agricultural Mechanics issued by the Further Education and Training Awards Council (FETAC) OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	N/A
Appliance Service Technician - Appliance Service Technician Branch	Diploma - Appliance Service Technician - Appliance Service Technician	N/A	7 200	54	N/A	Yes	N/A	• Appliance Service Technician - Commercial Appliance Technician	N/A	Yes	N/A
Appliance Service Technician - Commercial Appliance Technician Branch	Certificate - Appliance Service Technician - Commercial Appliance Technician	N/A	7 200	54	N/A	Yes	N/A	N/A	N/A	Yes	N/A
Auto Body Technician - Auto Body Prepper Branch	Certificate of Achievement - Auto Body Technician - Auto Body Prepper	N/A	5130	36	N/A	Yes	N/A	N/A	N/A	Yes	N/A
Auto Body Technician - Auto Body Refinisher Branch	Certificate - Auto Body Technician - Auto Body Refinisher	N/A	4 860	36	N/A	Yes	N/A	• Auto Body Technician - Auto Body Repairer • Auto Body Technician - Auto Body Prepper	N/A	Yes	N/A
Technician - Auto Body Repairer Branch	Certificate - Auto Body Technician - Auto Body Repairer	N/A	7 200	36	N/A	Yes	Yes	• Auto Body Technician - Auto Body Refinisher • Auto Body Technician - Auto Body Prepper	N/A	Yes	Yes
Auto Body Technician - Auto Body Technician Branch	Advanced Diploma - Auto Body Technician - Auto Body Technician OR Certificate - Auto Body Technician - Auto Body Refinisher and Certificate - Auto Body Technician - Auto Body Repairer	N/A	9 630	72	N/A	Yes	Yes	• Auto Body Technician - Auto Body Prepper	• National Craft Certificate Level 6 for Vehicle Body Repairs issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	Yes

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Automotive Service Technician	Advanced Diploma - Automotive Service Technician	N/A	9360	72	N/A	Yes	N/A	• Agricultural Equipment Technician • Heavy Equipment Technician - Heavy Equipment Technician • Heavy Equipment Technician - Heavy Duty Equipment Mechanic (Off Road) • Heavy Equipment Technician - Truck and Transport Mechanic • Heavy Equipment Technician - Transport Trailer Mechanic • Motorcycle Mechanic • Natural Gas Compression Technician • Transport Refrigeration Technician	• DND - Vehicle Technician DP2, QL5, QL5a or higher issued to a Regular Forces Member • National Craft Certificate Level 6 for Motor Mechanics issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications	Yes	N/A
Baker	Diploma - Baker	N/A	7 020	54	N/A	Yes	N/A	N/A	N/A	Yes	N/A
Boilermaker	Diploma - Boilermaker	N/A	7 020	54	N/A	Yes	Yes	• Ironworker • Metal Fabricator (Fitter) • Welder	• Certificate of Accomplishment in the Boilermakers National Apprenticeship Program issued by the International Brotherhood of Boilermakers, Iron Ship Builders, Blacksmiths, Forgers & Helpers in the United States of America	Yes	Yes
Bricklayer	Diploma - Bricklayer	N/A	7 020	54	N/A	Yes	Yes	N/A	• National Craft Certificate Level 6 for Brick & Stonelaying issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI	Yes	Yes
Cabinetmaker	Advanced Diploma – Cabinetmaker	N/A	7 200	54	N/A	Yes	Yes	• Carpenter	N/A	Yes	Yes
Carpenter	Advanced Diploma – Carpenter	N/A	7 020	72	N/A	Yes	Yes	• Cabinetmaker • Concrete Finisher	• DND - Construction Technician DP2, QL5, QL5a or higher issued to a Regular Forces Member • National Craft Certificate Level 6 for the trade of Carpentry & Joinery issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	Yes

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam

Cathodic Protection Technician - Level One Branch	N/A	• Enform Cathodic Protection Rectifier Course (previously the Corrpro Authorization Course),
		• AMPP (formerly NACE International) CP-1 Tester Course
		OR
		• the following equivalencies:
		  ○ AMPP (formerly NACE International) CP-2 Technician;
		  ○ AMPP (formerly NACE International) CP-3 Technologist;
		  ○ AMPP (formerly NACE International) CP-4 Specialist;
		  ○ combination of AMPP (formerly NACE International) Basic Corrosion Course and NACE Corrosion Prevention in Oil & Gas Production,
		• 1 000 hours of work experience within 12 months,
		AND
		• Required examination
			1 500	18	Enform Cathodic Protection Rectifier Course (previously the Corrpro Authorization Course).	Yes	N/A	N/A	N/A	N/A	N/A

Cathodic Protection Technician - Level Two Branch	N/A	• Cathodic Protection Technician - Level One Branch certificate,
		AND
		• AMPP (formerly NACE International) CP-2 Technologist training,
		OR
		• the following equivalencies:
		  ○ AMPP (formerly NACE International) CP-3 Technologist;
		  ○ AMPP (formerly NACE International) CP-4 Specialist;
		  ○ combination of AMPP (formerly NACE International) Basic Corrosion Course, AMPP (formerly NACE International) Corrosion Prevention in Oil and Gas Production, and AMPP (formerly NACE International) Corrosion Prevention: Theory and Data Interpretation Course,
		AND
		• 1 000 hours of work experience within 12 months,
		AND
		• Required examination
			N/A	N/A	N/A	Yes	N/A	N/A	N/A	N/A	N/A

Communication Technician	Diploma - Communication Technician	N/A	9 000	72	N/A	Yes	N/A	• Electrician Instrumentation and Control Technician	N/A	Yes	N/A

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Concrete Finisher	Certificate of Achievement - Concrete Finisher	N/A	5 040	36	N/A	Yes	N/A	• Carpenter	N/A	Yes	N/A
Construction Craft Worker	N/A	• Construction Craft Labourer Program Certificate from Keyano College, • Construction Craft Labourer Certificate of Completion from Christian Labour Association of Canada (CLAC), • Construction Craft Labourer Certificate of Completion from Alberta Labour Training Trust Fund (ALTTF), • 2 000 hours of work experience within 12 months, AND • Required examination.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Yes	N/A
Cook	Diploma - Cook	N/A	7 020	54	N/A	Yes	N/A	N/A	• DND - Cook DP2, QL5, QL5a or higher issued to a Regular Forces Member.	Yes	N/A
Crane and Hoisting Equipment Operator - Boom Truck Branch	Certificate of Achievement - Crane and Hoisting Equipment Operator - Boom Truck	N/A	1 800	18	N/A	Yes	Yes	N/A	N/A	Yes	Yes
Crane and Hoisting Equipment Operator - Hydraulic Mobile Crane Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Crane and Hoisting Equipment Operator - Mobile Crane Branch	Certificate - Crane and Hoisting Equipment Operator - Mobile Crane	N/A	7 560	54	N/A	Yes	Yes	• Crane and Hoisting Equipment Operator - Boom Truck • Crane and Hoisting Equipment Operator - Tower Crane • Crane and Hoisting Equipment Operator Wellhead Boom Truck	N/A	Yes	Yes
Crane and Hoisting Equipment Operator - Tower Crane Branch	Certificate of Achievement - Crane and Hoisting Equipment Operator - Tower Crane	N/A	4 230	36	N/A	Yes	Yes	• Crane and Hoisting Equipment Operator - Boom Truck • Crane and Hoisting Equipment Operator -Mobile Crane	N/A	Yes	Yes

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Crane and Hoisting Equipment Operator - Wellhead Boom Truck Branch	Certificate of Achievement - Crane and Hoisting Equipment Operator - Wellhead Boom Truck	N/A	150	12	N/A	Yes	Yes	N/A	N/A	Yes	Yes
Electric Motor Systems Technician	Advanced Diploma - Electric Motor Systems Technician	N/A	9 360	72	N/A	Yes	N/A	• Electrician • Electrician - Construction Electrician • Electrician - Industrial Electrician	N/A	Yes	N/A
Electrician - Construction Electrician Branch	Advanced Diploma - Electrician	N/A	9 180	72	N/A	Yes	N/A	• Communication Technician • Electric Motor Systems Technician • Electrician • Industrial Electrician • Instrumentation and Control Technician • Power System Electrician • Powerline Technician • Refrigeration and Air Conditioner Mechanic	• DND - Electrical Distribution Technician DP2, QL5, QL5a or higher issued to a Regular Forces Member. • Certificate of Completion for Journeyman Inside Wireman issued by the National Joint Apprenticeship and Training Committee for the International Brotherhood of Electrical Workers and the National Electrical Contractors Association in the United States of America • National Craft Certificate Level 6 for Electrical issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	N/A
Electrician - Industrial Electrician Branch	Advanced Diploma - Electrician	N/A	9 180	72	N/A	Yes	N/A	• Communication Technician • Electric Motor Systems Technician • Electrician • Industrial Electrician • Instrumentation and Control Technician • Power System Electrician • Powerline Technician • Refrigeration and Air Conditioner Mechanic	• DND - Electrical Distribution Technician DP2, QL5, QL5a or higher issued to a Regular Forces Member. • Certificate of Completion for Journeyman Inside Wireman issued by the National Joint Apprenticeship and Training Committee for the International Brotherhood of Electrical Workers and the National Electrical Contractors Association in the United States of America • National Craft Certificate Level 6 for Electrical issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	N/A

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Elevator Constructor	Certificate of Achievement - Elevator Constructor	N/A	10 800	72	N/A	Yes	N/A	N/A	N/A	Yes	N/A
Field Heat Treatment Technician	N/A	• Quality Control Council of Canada (QCCC) – National Training Society Field Heat Treatment Training Program, • Confirmation of training by the QCCC-National Training Society, or, by the Prairie Heat Treatment Training Trust Fund, • 7 200 hours of work experience within 48 months, AND • Required examination	10 800	72	N/A	Yes	N/A	N/A	N/A	N/A	N/A
Floorcovering Installer	Certificate - Floorcovering Installer	N/A	4 500	36	N/A	Yes	Yes	N/A	N/A	Yes	Yes
Gas Utility Operator	N/A	• Federation of Alberta gas Co-ops training, • 3 400 hours of work experience within 24 months, AND • Required examination.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Gasfitter - Class A Branch	Diploma - Gasfitter - Class A	N/A	7 020	54	1 000 hours working on appliances rated over 400 000 BTU's	Yes	N/A	• Appliance Service Technician • Gasfitter - Class B • Plumber • Refrigeration and Air Conditioner Mechanic • Sheet Metal Worker • Sprinkler Systems Installer • Steamfitter - Pipefitter	N/A	Yes	N/A
Gasfitter - Class B Branch	Certificate - Gasfitter - Class B	N/A	4 680	36	N/A	Yes	N/A	• Appliance Service Technician • Plumber • Refrigeration and Air Conditioner Mechanic • Sheet Metal Worker • Sprinkler Systems Installer • Steamfitter - Pipefitter	N/A	Yes	N/A
Glazier	Diploma - Glazier	N/A	9 720	72	N/A	Yes	Yes	N/A	N/A	Yes	Yes

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Hairstylist - Barber Branch	Certificate of Achievement - Hairstylist - Barber	N/A	2 175	18	N/A	Yes	Yes	N/A	N/A	Yes	Yes
Hairstylist - Hairstylist Branch	Certificate - Hairstylist - Hairstylist	N/A	4 350	36	N/A	Yes	Yes	• Barber	N/A	Yes	Yes
Heavy Equipment Technician - Heavy Duty Equipment Mechanic (Off Road) Branch	Diploma - Heavy Equipment Technician - Heavy Duty Equipment Mechanic (Off Road)	N/A	6 750	54	N/A	Yes	N/A	• Agricultural Equipment Technician • Automotive Service Technician • Heavy Equipment Technician - Transport Trailer Mechanic • Heavy Equipment Technician - Truck and Transport Mechanic	• DND - Vehicle Technician DP2, QL5, QL5a or higher issued to a Regular Forces Member	Yes	N/A
Heavy Equipment Technician - Heavy Equipment Technician Branch	Advanced Diploma - Heavy Equipment Technician - Heavy Equipment Technician	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Heavy Equipment Technician – Transport Trailer Mechanic Branch	Certificate of Achievement - Heavy Equipment Technician - Transport Trailer Mechanic	N/A	4 950	36	N/A	Yes	N/A	• Agricultural Equipment Technician • Automotive Service Technician • Transport Refrigeration Technician	• DND - Vehicle Technician DP2, QL5, QL5a or higher issued to a Regular Forces Member	Yes	N/A
Heavy Equipment Technician - Truck and Transport Mechanic Branch	Diploma - Heavy Equipment Technician - Truck and Transport Mechanic	N/A	6 750	54	N/A	Yes	N/A	• Agricultural Equipment Technician • Automotive Service Technician • Heavy Equipment Technician - Heavy Duty Equipment Mechanic (Off Road) • Heavy Equipment Technician - Transport Trailer Mechanic • Transport Refrigeration Technician	• DND - Vehicle Technician DP2, QL5, QL5a or higher issued to a Regular Forces Member • National Craft Certificate Level 6 for the trade of Heavy Vehicle Mechanic issued FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	N/A

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Industrial Construction Crew Supervisor	N/A	• Approved leadership training program "Alberta Construction Safety Association Leadership for Safety Excellence' (LSE) training program, AND • Training from ONE of the following approved supervisor programs: ○ 'Better Supervision' - Construction Labour Relations Association and the Building Trades of Alberta; ○ 'Supervisor Training Program - Christian Labour Association of Canada; ○ 'Supervisor Training' - Open Circle (formerly Merit Contractors Association); ○ 'First Level Supervisor Training' - BuildForce Canada (formerly Construction Sector Council); ○ 'Foreman Certification Training Program' - National Association of Union Schools and Colleges (NAUSC); OR • Training from of either: ○ 'Supervisor Training' – CAM Industrial Solutions (formerly Worley Leadership Development Program), or ○ The Jacobs Foreman Development Program (offered to Jacobs employees only), AND • 1 000 hours of work experience within 24 months (must be within 5 years of the date of the online application, AND • Required examination.	1 000	24 (must be within 5 years of date of application)	Employer Assessment of Competency	N/A	N/A	N/A	N/A	N/A	N/A

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Industrial Mechanic (Millwright)	Advanced Diploma - Industrial Mechanic (Millwright)	N/A	9 360	72	N/A	Yes	N/A	• Machinist	• DND - Marine Engineering Technician QL5, QL5a or higher issued to a Regular Forces Member. • National Craft Certificate Level 6 for Mechanical Automation & Maintenance Fitting issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	N/A
Instrumentation and Control Technician	Advanced Diploma - Instrumentation and Control Technician	N/A	9 180	72	N/A	Yes	N/A	• Communication Technician • Electrician • Electrician - Construction Electrician • Electrician - Industrial Electrician	• National Craft Certificate Level 6 for Instrumentation issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI) • National Craft Certificate Level 6 for Electrical Instrumentation issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	N/A
Insulator (Heat and Frost)	Certificate - Insulator (Heat and Frost)	N/A	9 720	72	N/A	Yes	Yes	• Sheet Metal Worker	• National Craft Certificate Level 6 for Industrial Insulator issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	Yes
Ironworker - Ironworker (Metal Building Systems Erector) Branch	Certificate - Ironworker - Ironworker (Metal Building Systems Erector) Branch	N/A	4 860	36	N/A	Yes	N/A	• Ironworker - Ironworker (Reinforcing)	N/A	Yes	N/A
Ironworker - Ironworker (Reinforcing) Branch	Certificate - Ironworker - Ironworker (Reinforcing)	N/A	4 860	36	N/A	Yes	N/A	• Boilermaker • Ironworker - Ironworker (Metal Building Systems Erector) • Ironworker - Ironworker (Structural and Ornamental) • Metal Fabricator (Fitter)	N/A	Yes	N/A
Landscape Horticulturist	Advanced Diploma - Landscape Horticulturist	N/A	7 560	72	N/A	Yes	N/A	N/A	N/A	Yes	N/A

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Lather (Interior Systems Mechanic)	Diploma - Lather (Interior Systems Mechanic)	N/A	7 020	54	N/A	Yes	N/A	N/A	• National Craft Certificate Level 6 for Plastering issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	N/A
Locksmith *NOTE: As of June 1, 2010, locksmiths in Alberta are required to hold a license to offer locksmith services under Alberta's new Security Services and Investigators' Act. Employers must hold a company license and all technicians must hold individual licenses. It is a public offence under the Act to provide locksmith services to the public without this license.*	Diploma - Locksmith	N/A	7 020	54	*See NOTE*	Yes	Yes	N/A	N/A	Yes	Yes
Machinist	Advanced Diploma - Machinist	N/A	9 360	72	N/A	Yes	Yes	• Industrial • Mechanic (Millwright)	• DND - Marine Engineering Technician DP2, QL5, QL5a or higher issued to a Regular Forces Member • National Craft Certificate Level 6 for Mechanical Automation & Maintenance Fitting issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	Yes
Metal Fabricator (Fitter)	Diploma - Metal Fabricator (Fitter)	N/A	7 020	54	N/A	Yes	Yes	• Boilermaker • Ironworker • Steamfitter - Pipefitter • Welder	N/A	Yes	Yes

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Motorcycle Mechanic	Diploma - Motorcycle Mechanic	N/A	8 340	72	N/A	Yes	N/A	• Agricultural Equipment Technician • Automotive Service Technician • Heavy Equipment Technician - Heavy Duty Equipment Mechanic (Off Road) • Heavy Equipment Technician - Heavy Equipment Technician • Heavy Equipment Technician - Transport Trailer Mechanic • Heavy Equipment Technician - Truck and Transport Mechanic • Outdoor Power Equipment Technician - Power Equipment • Outdoor Power Equipment Technician - Recreational Equipment	N/A	Yes	N/A
Natural Gas Compression Technician	Advanced Diploma - Natural Gas Compression Technician	N/A	9 000	72	N/A	Yes	N/A	• Agricultural Equipment Technician • Automotive Service Technician • Heavy Equipment Technician - Heavy Equipment Technician • Industrial Mechanic (Millwright) • Instrumentation and Control Technician • Refrigeration and Air Conditioner Mechanic • Transport Refrigeration Technician	N/A	Yes	N/A
Oil and Gas Transportation - Bed Truck Operator Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Oil and Gas Transportation - Bed Truck Operator Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil and Gas Transportation - Bulk Haul Operator Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Oil and Gas Transportation - Bulk Haul Operator Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil and Gas Transportation - Multi-wheel Truck Operator Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Oil and Gas Transportation -Multi-wheel Truck Operator Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Oil and Gas Transportation - Supervisor Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Oil and Gas Transportation - Supervisor Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil and Gas Transportation - Winch Truck Operator Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Oil and Gas Transportation - Winch Truck Operator Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Outdoor Power Equipment Technician - Power Equipment	Certificate - Outdoor Power Equipment Technician - Power Equipment	N/A	4 500	54	N/A	Yes	N/A	• Agricultural Equipment Technician • Automotive Service Technician • Heavy Equipment Technician - Heavy Duty Equipment Mechanic (Off Road) • Heavy Equipment Technician - Heavy Equipment Technician • Heavy Equipment Technician - Transport Trailer Mechanic • Heavy Equipment Technician - Truck and Transport Mechanic • Motorcycle Mechanic • Outdoor Power Equipment Technician - Recreational Equipment	N/A	Yes	N/A
Outdoor Power Equipment Technician - Recreational Equipment	Certificate - Outdoor Power Equipment Technician - Recreational Equipment	N/A	4 500	54	N/A	Yes	N/A	• Agricultural Equipment Technician • Automotive Service Technician • Heavy Equipment Technician - Heavy Duty Equipment Mechanic (Off Road) • Heavy Equipment Technician - Heavy Equipment Technician • Heavy Equipment Technician - Transport Trailer Mechanic • Heavy Equipment Technician - Truck and Transport Mechanic • Motorcycle Mechanic • Outdoor Power Equipment Technician – Power Equipment	N/A	Yes	N/A
Overhead Door Technician - Level One Branch	N/A	• Canadian Door Institute (CDI) training, • 1 000 hours of work experience within 12 months, AND • Required examination.	1 500	18	An employer assessment of competency	Yes	N/A	N/A	N/A	N/a	N/A

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Overhead Door Technician - Level Two Branch	N/A	• Canadian Door Institute (CDI) training, • 1 000 hours of work experience within 12 months, AND • Required examination.	1 500	18	Overhead Door Technician - Level One branch trade certificate and an employer assessment of competency for Level Two Branch	Yes	N/A	N/A	N/A	N/A	N/A
			3 000	36	Employer assessment of competency for Level One and Level Two Branch						
Painter and Decorator	Diploma - Painter and Decorator	N/A	5 850	54	N/A	Yes	N/A	N/A	N/A	Yes	N/A
Parts Technician - Materials Technician Branch	Certificate - Parts Technician - Materials Technician	N/A	6 750	54	N/A	Yes	N/A	• Warehousing Occupation - Warehousing Technician Occupational Certificate	• DND - Supply Technician DP4, QL6 or higher issued to a Regular Forces Member	Yes	N/A
Parts Technician - Parts Technician Branch	Certificate - Parts Technician - Parts Technician	N/A	6 750	54	N/A	Yes	N/A	• Parts Technician - Materials Technician	N/A	Yes	N/A
Plumber	Advanced Diploma - Plumber	N/A	9 360	72	N/A	Yes	N/A	• Gasfitter - Class A • Sprinkler Systems Installer • Steamfitter - Pipefitter	• DND - Plumber and Heating Technician DP2, QL5, QL5a or higher issued to a Regular Forces Member. • National Craft Certificate Level 6 for the trade of Plumbing issued FETAC or SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	N/A
Power System Electrician	Advanced Diploma - Power System Electrician	N/A	9 450	72	N/A	Yes	N/A	• Electrician • Electrician - Construction Electrician • Electrician - Industrial Electrician • Powerline Technician	N/A	Yes	N/A

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Powerline Technician	Diploma - Powerline Technician	N/A	9 563	72	N/A	Yes	N/A	• Electrician • Electrician - Construction Electrician • Electrician - Industrial Electrician • Power System Electrician	N/A	Yes	N/A
Recreation Vehicle Service Technician	Diploma - Recreation Vehicle Service Technician	N/A	7 750	54	N/A	Yes	N/A	N/A	N/A	Yes	N/A
Refrigeration and Air Conditioning Mechanic	Advanced Diploma - Refrigeration and Air Conditioning Mechanic	N/A	9 360	72	N/A	Yes	N/A	• Electrician • Electrician - Construction Electrician • Electrician - Industrial Electrician • Gasfitter - Class A • Gasfitter - Class B • Transport Refrigeration Technician	• DND - Refrigeration and Mechanical Technician DP2, QL5, QL5a or higher issued to a Regular Forces Member • National Craft Certificate Level 6 for Refrigeration & Air Conditioning issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	N/A
Residential Construction Site Manager	N/A	• Professional Home Builders Institute of Alberta (PHBIA) training, • 4 500 hours of work experience within 36 months, AND • Required examination.	6 750	54	N/A	Yes	N/A	N/A	N/A	N/A	N/A
Roofer	Certificate - Roofer	N/A	8 790	72	N/A	Yes	N/A	N/A	N/A	Yes	N/A
Sheet Metal Worker	Advanced Diploma - Sheet Metal Worker	N/A	9 000	72	N/A	Yes	Yes	• Gasfitter - Class A • Gasfitter - Class B • Insulator (Heat & Frost)	N/A	**Yes**	**Yes**
Slickline Services - Assistant Operator Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Slickline Services - Assistant Operator Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slickline Services - Level One Operator Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Slickline Services - Level One Operator Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Slickline Services - Level Two Operator Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Slickline Services - Level Two Operator Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Slickline Services - Level Three Operator Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Slickline Services - Level Three Operator Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Snubbing Services - Assistant Operator Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Snubbing Services - Assistant Operator Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Snubbing Services - Level Two Supervisor Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Snubbing Services - Level Two Supervisor Branch	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Sprinkler Systems Installer	Diploma -Sprinkler Systems Installer	N/A	9 900	72	N/A	Yes	N/A	• Gasfitter - Class A • Gasfitter - Class B • Plumber • Steamfitter - Pipefitter	N/A	N/A	N/A
Steamfitter - Pipefitter	Advanced Diploma - Steamfitter - Pipefitter	N/A	9 360	72	N/A	Yes	N/A	• Gasfitter - Class A • Gasfitter - Class B • Plumber • Sprinkler Systems Installer • Welder	• Certificate of Completion of Apprenticeship for Steamfitter-Pipefitter issued by the Joint Apprenticeship and Training Committee for the United Association in the United States of America. • National Craft Certificate Level 6 for Plumbing issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	N/A
Steel Detailer - Level One Branch	N/A	• Registrar's letter from the Alberta Chapter of the National Institute of Steel Detailing (NISD) confirming that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Steel Detailer - Level One Branch, • CAD training offered through an Alberta PSI or the NISD, • 1 800 hours of combined formal and on-the-job training within a 12 month period, AND • Required examination.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Steel Detailer - Level Two Branch	N/A	• Steel Detailer - Level One Branch certificate, • Registrar's letter from the Alberta Chapter of the National Institute of Steel Detailing (NISD) confirming that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Steel Detailer - Level Two Branch, • CAD training offered through an Alberta PSI or the NISD, • 1 800 of combined formal and on-the-job training within a 12 month period, AND • Required examination.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Steel Detailer - Level Three Branch	N/A	• Steel Detailer - Level Two Branch certificate, • Registrar's letter from the Alberta Chapter of the National Institute of Steel Detailing (NISD) confirming that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Steel Detailer - Level Three Branch, • CAD training offered through an Alberta PSI or the NISD, • 3 600 hours of combined formal and on-the-job training within two 12 month periods, AND • Required examination.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Transport Refrigeration Technician	Diploma - Transport Refrigeration Technician	N/A	7 020	54	N/A	Yes	N/A	• Refrigeration and Air Conditioner Mechanic	N/A	Yes	N/A
Water Well Driller - Earth Loop Technician Branch	Certificate -Water Well Driller - Earth Loop Technician	N/A	5 400	36	N/A	Yes	N/A	N/A	N/A	Yes	N/A
Water Well Driller - Water Well Driller Branch	Certificate -Water Well Driller – Water Well Driller	N/A	5 400	36	N/A	Yes	N/A	N/A	N/A	Yes	N/A

DESIGNATED TRADE	STREAM A ALBERTA CREDENTIAL *See Schedule 2, A., 1.*	STREAM B BOARD RECOGNIZED AND REQUIRED EDUCATION OR TRAINING *See Schedule 2, A., 2.*	STREAM C WORK EXPERIENCE ONLY *See Schedule 2, A., 3 and 4.*							STREAM D VALID RECOGNIZED TRADE CERTIFICATE *See Schedule 2, A., 5 and 6.*	
			Hours	Months	Additional Requirements	Theory Exam	Practical Exam	Credit for valid trade certificate in a related trade	Credit for Board-recognized education or training documents	Theory Exam	Practical Exam
Welder - Welder Branch	Diploma - Welder	N/A	7 020	54	N/A	Yes	Yes	• Boilermaker • Metal Fabricator (Fitter) • Steamfitter – Pipefitter • Welder – Wire Process Operator	• DND – Military Material Technician DP2, QL5, QL5a or higher issued to a Regular Forces Member • Certificate of Accomplishment in the Boilermakers National Apprenticeship Program issued by the International Brotherhood of Boilermakers, Iron Ship Builders, Blacksmiths, Forgers & Helpers in the United States of America • National Craft Certificate Level 6 for Metal Fabrication issued by FETAC OR SOLAS in the Republic of Ireland and/or Quality and Qualifications Ireland (QQI)	Yes	Yes
Welder - Wire Process Operator Branch	Certificate of Achievement - Welder - Wire Process Operator	N/A	4 950	36	N/A	Yes	Yes	• Boilermaker • Metal Fabricator (Fitter) • Steamfitter - Pipefitter	N/A	Yes	Yes
Well Testing Services Supervisor - Level Three Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Well Testing Services Supervisor - Level Three Branch.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Well Testing Services Supervisor - Level Four Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Well Testing Services Supervisor - Level Four Branch.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Well Testing Services Supervisor - Level Four Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Well Testing Services Supervisor - Level Four Branch.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Well Testing Services Supervisor - Level Five Branch	N/A	Confirmation from Energy Safety Canada that the individual satisfies the training, job skills, competencies and standards of performance that are approved for the Well Testing Services Supervisor - Level Five Branch.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A