



Province of Alberta

APPRENTICESHIP AND INDUSTRY TRAINING ACT

IRONWORKER TRADE REGULATION

Alberta Regulation 156/2006

With amendments up to and including Alberta Regulation 109/2011

Office Consolidation

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(Consolidated up to 109/2011)

ALBERTA REGULATION 156/2006
Apprenticeship and Industry Training Act
IRONWORKER TRADE REGULATION

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- (a) “apprentice” means a person who is an apprentice in the trade;
- (b) “certified journeyman” means a certified journeyman as defined in the *Apprenticeship Program Regulation* (AR 258/2000);
- (b.1) “structures” means the following:
 - (i) curtain walls;

- (ii) bridges;
 - (iii) metal building systems as defined in section 11;
 - (iv) steel, concrete or precast structures not referred to in subclauses (i) to (iii);
 - (v) platforms, ladders, walkways, floors, roofs, supports and similar equipment related to or used in respect of structures referred to in subclauses (i) to (iv);
- (c) “technical training” means technical training as defined in the *Apprenticeship Program Regulation* (AR 258/2000);
- (d) “trade” means the occupation of ironworker that is designated as a compulsory certification trade pursuant to the *Apprenticeship and Industry Training Act*.

AR 156/2006 s1;270/2006;133/2007

Part 1 General Matters Respecting the Trade

Constitution of the trade

2(1) The undertakings set out in sections 6, 12, 17 and 22 constitute the trade.

(2) The trade is made up of

- (a) the ironworker branch of the trade,
- (b) the metal building systems erector branch of the trade,
- (c) the structural/ornamental branch of the trade, and
- (d) the reinforcing branch of the trade.

Tasks, activities and functions

3 When practising or otherwise carrying out work in the trade, the tasks, activities and functions set out in sections 7, 13, 18 and 23 come within the trade.

Supervision, etc. of apprentices

4(1) Where, in respect of a branch of the trade, a person is a certified journeyman and is to provide supervision to an apprentice, that journeyman is eligible to supervise that apprentice only

- (a) in respect of the undertakings that constitute that branch, and
- (b) in respect of tasks, activities and functions that come within that branch,

for which that person is a certified journeyman.

(2) Where a person is an apprentice in an apprenticeship program in a branch of the trade and is employed in respect of another branch of the trade, that apprentice is eligible to carry out work only

- (a) in respect of the undertakings that constitute that branch, and
- (b) in respect of tasks, activities and functions that come within that branch,

for which that person is an apprentice.

AR 156/2006 s4;270/2006

Part 2 Ironworker Branch of the Trade

5 Repealed AR 133/2007 s3.

Trade Matters Respecting the Branch

Undertakings constituting the branch

6 The following undertakings constitute the ironworker branch of the trade:

- (a) the field fabrication, assembly, erection and disassembly of structures;
- (b) the service, maintenance and repair of structures;
- (c) the field fabrication and erection of structural, miscellaneous and ornamental metal work;
- (d) the placement of precast or prestressed concrete and concrete reinforcement materials.

AR 156/2006 s6;109/2011

Tasks, activities and functions

7 When practising or otherwise carrying out work in the ironworker branch of the trade, the following tasks, activities and functions come within that branch of the trade:

- (a) using detailed drawings and blueprints and other specifications;
- (b) performing post-tensioning;
- (c) performing prestressing;
- (d) using hand tools, power tools and shop equipment, including transits, levels, explosive actuated tools, post drills, radial drills, angle rolls, punches, shears, brakes and presses;
- (e) using, setting up or assembling rigging equipment, including wire rope, block and tackle, cranes, derricks, hoisting equipment, swing stages, aerial platforms and scaffolds;
- (f) using oxyfuel cutting and arc tack welding equipment in heat straightening, cutting and joining metals;
- (g) using new technology;
- (h) placing mechanical equipment and components;
- (i) using and maintaining fall protection systems.

American ironworkers

7.1(1) In this section, “USA ironworker certificate of completion of apprenticeship” means a certificate of completion of apprenticeship in the Ironworker Apprenticeship Certification Program issued by a Local Union Apprenticeship Program that is certified by the Apprenticeship and Training Department of the International Association of Bridge, Structural, Ornamental and Reinforcing Ironworkers in the United States of America.

(2) Even though a person is not otherwise permitted under the *Apprenticeship and Industry Training Act* to work in the ironworker branch of the trade, a person may carry out the tasks, activities and functions in the undertakings that constitute that branch of the trade if the person holds a USA ironworker certificate of completion of apprenticeship.

AR 46/2010 s2

Apprenticeship

Term of apprenticeship program

- 8(1)** Subject to credit for previous training or experience being granted pursuant to an order of the Board, the term of an apprenticeship program for the ironworker branch of the trade is 4 periods of not less than 12 months each.
- (2)** In the first period of the apprenticeship program, an apprentice must acquire not less than 1500 hours of on the job training and successfully complete the technical training that is required or approved by the Board.
- (3)** In the 2nd period of the apprenticeship program, an apprentice must acquire not less than 1500 hours of on the job training and successfully complete the technical training that is required or approved by the Board.
- (4)** In the 3rd period of the apprenticeship program, an apprentice must acquire not less than 1500 hours of on the job training and successfully complete the technical training that is required or approved by the Board.
- (5)** In the 4th period of the apprenticeship program, an apprentice must acquire not less than 1500 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

Employment of apprentices

- 9(1)** Where, with respect to the employment of apprentices in the ironworker branch of the trade, a person employs an apprentice, that employment must be carried out in accordance with this section.
- (2)** Subject to subsection (3), a person who is a certified journeyman in the ironworker branch of the trade or employs a certified journeyman in the ironworker branch of the trade may employ 2 apprentices in that branch of the trade and 2 additional apprentices in that branch for each additional certified journeyman in that branch that is employed by that person.
- (3)** Subsection (2) does not apply to an apprentice who is engaged in an apprenticeship program
- (a) in the ironworker branch of the trade and has completed all the requirements required or approved by the Board for advancement into the 4th period of that apprenticeship program, or

- (b) in the structural/ornamental branch of the trade and has completed all the requirements required or approved by the Board for advancement into the 3rd period of that apprenticeship program.

(4) For the purposes of subsection (2), a person who is a certified journeyman in the ironworker branch of the trade or employs a certified journeyman in the ironworker branch of the trade, instead of employing an apprentice in an apprenticeship program in that branch of the trade, may employ an apprentice in an apprenticeship program in any other branch of the trade to carry out any of the undertakings that constitute the apprentice's branch of the trade.

AR 156/2006 s9:270/2006;1/2011

Wages

10(1) With respect to the payment of wages to an apprentice in an apprenticeship program in the ironworker branch of the trade, a person shall not, subject to the *Apprenticeship Program Regulation* (AR 258/2000), pay wages to an apprentice that are less than those provided for under subsection (2).

(2) Subject to the *Employment Standards Code*, a person employing an apprentice referred to in subsection (1) must pay wages to the apprentice that are at least equal to the following percentages of the wages paid to employees who are certified journeymen in the ironworker branch of the trade:

- (a) 60% in the first period of the apprenticeship program;
- (b) 70% in the 2nd period of the apprenticeship program;
- (c) 80% in the 3rd period of the apprenticeship program;
- (d) 90% in the 4th period of the apprenticeship program.

AR 156/2006 s10:270/2006

Part 3 Metal Building Systems Erector Branch of the Trade

Definitions

11 In this Part,

- (a) “metal building systems” means buildings that
 - (i) are designed and manufactured by a recognized manufacturer of metal building systems,

- (ii) are made up of primary framework structure, secondary roll-formed structural members, roof and wall systems, insulation, interior lining and various accessory items, including doors and windows, vents and trim, 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;
- (b) "one storey" has the meaning assigned to it in the *Alberta Building Code*.

Trade Matters Respecting the Branch

Undertakings constituting the branch

12 The assembly, erection and disassembly of one storey metal building systems are the undertakings that constitute the metal building systems erector branch of the trade.

Tasks, activities and functions

13 When practising or otherwise carrying out work in the metal building systems erector branch of the trade, the following tasks, activities and functions come within that branch of the trade:

- (a) using detailed drawings and blueprints and other specifications;
- (b) using hand tools, power tools and shop equipment, including transits, levels and explosive actuated tools;
- (c) using, setting up and assembling rigging equipment, including wire rope, block and tackle, cranes, derricks, hoisting equipment, swing stages, aerial platforms and scaffolds;
- (d) using oxyfuel cutting and arc tack welding equipment in heat straightening, cutting and joining metals;
- (e) using new technology;
- (f) using and maintaining fall protection systems.

Apprenticeship

Term of apprenticeship program

14(1) Subject to credit for previous training or experience being granted pursuant to an order of the Board, the term of an apprenticeship program for the metal building systems erector branch of the trade is 2 periods of not less than 12 months each.

(2) In the first period of the apprenticeship program, an apprentice must acquire not less than 1500 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

(3) In the 2nd period of the apprenticeship program, an apprentice must acquire not less than 1500 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

Employment of apprentices

15(1) Where, with respect to the employment of apprentices in the metal building systems erector branch of the trade, a person employs an apprentice, that employment must be carried out in accordance with this section.

(2) A person who is a certified journeyman in the metal building systems erector branch of the trade or employs a certified journeyman in the metal building systems erector branch of the trade may employ 2 apprentices in that branch of the trade and 2 additional apprentices in that branch for each additional certified journeyman in that branch that is employed by that person.

(3) For the purposes of subsection (2), a person who is a certified journeyman in the metal building systems erector branch of the trade or employs a certified journeyman in the metal building systems erector branch of the trade, instead of employing an apprentice in an apprenticeship program in that branch of the trade, may employ an apprentice in an apprenticeship program in the ironworker branch of the trade or the structural/ornamental branch of the trade to carry out any of the undertakings that constitute the metal building systems erector branch of the trade.

AR 156/2006 s15;270/2006;1/2011

Wages

16(1) With respect to the payment of wages to an apprentice in an apprenticeship program in the metal building systems erector branch of the trade, a person shall not, subject to the *Apprenticeship Program Regulation* (AR 258/2000), pay wages to an apprentice that are less than those provided for under subsection (2).

(2) Subject to the *Employment Standards Code*, a person employing an apprentice referred to in subsection (1) must pay wages to the apprentice that are at least equal to the following percentages of the wages paid to employees who are certified journeymen in the metal building systems erector branch of the trade:

- (a) 60% in the first period of the apprenticeship program;
- (b) 70% in the 2nd period of the apprenticeship program.

AR 156/2006 s16;270/2006

Part 4 Structural/Ornamental Branch of the Trade

Trade Matters Respecting the Branch

Undertakings constituting the branch

17 The following undertakings constitute the structural/ornamental branch of the trade:

- (a) the field fabrication, assembly, erection and disassembly of structures;
- (b) the service, maintenance and repair of structures;
- (c) the field fabrication and erection of structural, miscellaneous and ornamental metal work;
- (d) the placement of precast or prestressed concrete.

Tasks, activities and functions

18 When practising or otherwise carrying out work in the structural/ornamental branch of the trade, the following tasks, activities and functions come within that branch of the trade:

- (a) using detailed drawings and blueprints and other specifications;
- (b) using hand tools, power tools and shop equipment, including transits, levels, explosive actuated tools, post drills, radial drills, angle rolls, punches, shears, brakes and presses;
- (c) using, setting up and assembling rigging equipment, including wire rope, block and tackle, cranes, derricks,

hoisting equipment, swing stages, aerial platforms and scaffolds;

- (d) using oxyfuel cutting and arc tack welding equipment in heat straightening, cutting and joining metals;
- (e) using new technology;
- (f) placing mechanical equipment and components;
- (g) using and maintaining fall protection systems.

Quebec structural ironworkers

18.1(1) In this section, “Quebec structural ironworker’s certificate” means a certificat de compétence compagnon issued by the Commission de la construction du Québec in the occupation of monteur d’acier de structure.

(2) Even though a person is not otherwise permitted under the *Apprenticeship and Industry Training Act* to work in the structural/ornamental branch of the trade, a person may carry out the tasks, activities and functions in the undertakings that constitute that branch of the trade, except for the undertaking of the field fabrication and erection of ornamental metal work, if the person holds a Quebec structural ironworker’s certificate.

AR 133/2007 s4

Apprenticeship

Term of apprenticeship program

19(1) Subject to credit for previous training or experience being granted pursuant to an order of the Board, the term of an apprenticeship program for the structural/ornamental branch of the trade is 3 periods of not less than 12 months each.

(2) In the first period of the apprenticeship program, an apprentice must acquire not less than 1500 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

(3) In the 2nd period of the apprenticeship program, an apprentice must acquire not less than 1500 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

(4) In the 3rd period of the apprenticeship program, an apprentice must acquire not less than 1500 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

Employment of apprentices

20(1) Where, with respect to the employment of apprentices in the structural/ornamental branch of the trade, a person employs an apprentice, that employment must be carried out in accordance with this section.

(2) Subject to subsection (3), a person who is a certified journeyman in the structural/ornamental branch of the trade or employs a certified journeyman in the structural/ornamental branch of the trade may employ 2 apprentices in that branch of the trade and 2 additional apprentices in that branch for each additional certified journeyman in that branch that is employed by that person.

(3) Subsection (2) does not apply to an apprentice who is engaged in an apprenticeship program

- (a) in the ironworker branch of the trade and has completed all the requirements required or approved by the Board for advancement into the 4th period of that apprenticeship program, or
- (b) in the structural/ornamental branch of the trade and has completed all the requirements required or approved by the Board for advancement into the 3rd period of that apprenticeship program.

(4) For the purposes of subsection (2), a person who is a certified journeyman in the structural/ornamental branch of the trade or employs a certified journeyman in the structural/ornamental branch of the trade, instead of employing an apprentice in an apprenticeship program in that branch of the trade, may employ an apprentice in an apprenticeship program

- (a) in the ironworker branch of the trade to carry out any of the undertakings that constitute the structural/ornamental branch of the trade, or
- (b) in the metal building systems erector branch of the trade to carry out any of the undertakings that constitute that branch of the trade.

AR 156/2006 s20;270/2006;1/2011

Wages

21(1) With respect to the payment of wages to an apprentice in an apprenticeship program in the structural/ornamental branch of the trade, a person shall not, subject to the *Apprenticeship Program Regulation* (AR 258/2000), pay wages to an apprentice that are less than those provided for under subsection (2).

(2) Subject to the *Employment Standards Code*, a person employing an apprentice referred to in subsection (1) must pay wages to the apprentice that are at least equal to the following percentages of the wages paid to employees who are certified journeymen in the structural/ornamental branch of the trade:

- (a) 60% in the first period of the apprenticeship program;
- (b) 70% in the 2nd period of the apprenticeship program;
- (c) 80% in the 3rd period of the apprenticeship program.

AR 156/2006 s21;270/2006

Part 5 Reinforcing Branch of the Trade

Trade Matters Respecting the Branch

Undertakings constituting the branch

22 The placement of precast or prestressed concrete and concrete reinforcement materials is the undertaking that constitutes the reinforcing branch of the trade.

AR 156/2006 s22;109/2011

Tasks, activities and functions

23 When practising or otherwise carrying out work in the reinforcing branch of the trade, the following tasks, activities and functions come within that branch of the trade:

- (a) using detailed drawings and blueprints and other specifications;
- (b) performing post-tensioning;
- (c) performing prestressing;
- (d) using hand tools, power tools and shop equipment, including transits, levels and explosive actuated tools;
- (e) using, setting up and assembling rigging equipment, including wire rope, block and tackle, cranes, derricks, hoisting equipment, swing stages, aerial platforms and scaffolds;
- (f) using oxyfuel cutting and arc tack welding equipment in heat straightening, cutting and joining metals;
- (g) using new technology;

- (h) using and maintaining fall protection systems.

Apprenticeship

Term of apprenticeship program

- 24(1)** Subject to credit for previous training or experience being granted pursuant to an order of the Board, the term of an apprenticeship program for the reinforcing branch of the trade is 2 periods of not less than 12 months each.
- (2)** In the first period of the apprenticeship program, an apprentice must acquire not less than 1500 hours of on the job training and successfully complete the technical training that is required or approved by the Board.
- (3)** In the 2nd period of the apprenticeship program, an apprentice must acquire not less than 1500 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

Employment of apprentices

- 25(1)** Where, with respect to the employment of apprentices in the reinforcing branch of the trade, a person employs an apprentice, that employment must be carried out in accordance with this section.
- (2)** Subject to subsection (3), a person who is a certified journeyman in the reinforcing branch of the trade or employs a certified journeyman in the reinforcing branch of the trade may employ 2 apprentices in that branch of the trade and 2 additional apprentices in that branch for each additional certified journeyman in that branch that is employed by that person.
- (3)** For the purposes of subsection (2), a person who is a certified journeyman in the reinforcing branch of the trade or employs a certified journeyman in the reinforcing branch of the trade, instead of employing an apprentice in an apprenticeship program in the reinforcing branch of the trade, may employ an apprentice in an apprenticeship program in the ironworker branch of the trade to carry out any of the undertakings that constitute the reinforcing branch of the trade.

AR 156/2006 s25;270/2006;1/2011

Wages

- 26(1)** With respect to the payment of wages to an apprentice in an apprenticeship program in the reinforcing branch of the trade, a person shall not, subject to the *Apprenticeship Program Regulation*

(AR 258/2000), pay wages to an apprentice that are less than those provided for under subsection (2).

(2) Subject to the *Employment Standards Code*, a person employing an apprentice referred to in subsection (1) must pay wages to the apprentice that are at least equal to the following percentages of the wages paid to employees who are certified journeymen in the reinforcing branch of the trade:

- (a) 60% in the first period of the apprenticeship program;
- (b) 70% in the 2nd period of the apprenticeship program.

AR 156/2006 s26;270/2006

Part 6 Repeal and Expiry

Repeal

27 The *Ironworker Trade Regulation* (AR 285/2000) is repealed.

Expiry

28 For the purpose of ensuring that this Regulation is reviewed for ongoing relevancy and necessity, with the option that it may be repassed in its present or an amended form following a review, this Regulation expires on August 31, 2012.