



Province of Alberta

## APPRENTICESHIP AND INDUSTRY TRAINING ACT

# IRONWORKER TRADE REGULATION

### **Alberta Regulation 156/2006**

With amendments up to and including Alberta Regulation 107/2017

### Office Consolidation

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(Consolidated up to 107/2017)

**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.01) “concrete reinforcement” means metal, steel or synthetic strands, wires, bars or sheets, placed into concrete structures for the purpose of reinforcing, pre-tensioning or post-tensioning of concrete structures;
  - (b.02) “reinforced concrete” means concrete that is cast in place or precast and is reinforced with concrete reinforcement materials;
  - (b.1) “structures” means the following:
    - (i) curtain walls;
    - (ii) bridges, including abutments, decks, girders, piers and permanent guard rails;
    - (iii) metal building systems as defined in section 11;

- (iv) buildings that are engineered and constructed of metal, steel or reinforced concrete, other than buildings constructed using insulated concrete forms;
- (v) repealed AR 107/2017 s2;
- (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;107/2017

## **Part 1 General Matters Respecting the Trade**

### **Constitution of the trade**

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

**(2)** The trade is made up of

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

AR 156/2006 s2;107/2017

### **Tasks, activities and functions**

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

AR 156/2006 s3;107/2017

### **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 journeyperson.

(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** Repealed AR 107/2017 s5.

### **Part 3**

## **Ironworker (Metal Building Systems Erector) Branch of the Trade**

#### **Definitions**

**11** In this Part,

- (a) “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;

- (b) “storey” has the meaning assigned to it in the *Alberta Building Code*.

AR 156/2006 s11;107/2017

## Trade Matters Respecting the Branch

### Undertakings constituting the branch

**12** The assembly, erection and disassembly of metal building systems are the undertakings that constitute the ironworker (metal building systems erector) branch of the trade.

AR 156/2006 s12;107/2017

### Tasks, activities and functions

**13** When practising or otherwise carrying out work in the ironworker (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.

AR 156/2006 s13;107/2017

## 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 ironworker (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 1620 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 1620 hours of on the job training and

successfully complete the technical training that is required or approved by the Board.

AR 156/2006 s14;107/2017

### **Employment of apprentices**

**15(1)** Where, with respect to the employment of apprentices in the ironworker (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 ironworker (metal building systems erector) branch of the trade or employs a certified journeyman in the ironworker (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 ironworker (metal building systems erector) branch of the trade or employs a certified journeyman in the ironworker (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 (structural/ornamental) branch of the trade to carry out any of the undertakings that constitute the ironworker (metal building systems erector) branch of the trade.

AR 156/2006 s15;270/2006;1/2011;107/2017

### **Wages**

**16(1)** With respect to the payment of wages to an apprentice in an apprenticeship program in the ironworker (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 ironworker (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;107/2017

## **Part 4 Ironworker (Structural/Ornamental) Branch of the Trade**

### **Trade Matters Respecting the Branch**

#### **Undertakings constituting the branch**

**17** The following undertakings constitute the ironworker (structural/ornamental) branch of the trade:

- (a) the field fabrication, assembly, erection and disassembly of structures, other than the demolition 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 erection of precast or prestressed concrete structures.

AR 156/2006 s17;107/2017

#### **Tasks, activities and functions**

**18** When practising or otherwise carrying out work in the ironworker (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.

AR 156/2006 s18;107/2017

**18.1** Repealed AR 107/2017 s16.

## **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 ironworker (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 1620 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 1620 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 1620 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

AR 156/2006 s19;107/2017

### **Employment of apprentices**

**20(1)** Where, with respect to the employment of apprentices in the ironworker (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 ironworker (structural/ornamental) branch of the trade or employs a certified journeyman in the ironworker (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) repealed AR 107/2017 s18,
- (b) in the ironworker (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 (structural/ornamental) branch of the trade or employs a certified journeyman in the ironworker (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) repealed AR 107/2017 s18,
- (b) in the ironworker (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;107/2017

### **Wages**

**21(1)** With respect to the payment of wages to an apprentice in an apprenticeship program in the ironworker (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 ironworker (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;107/2017

## **Part 5 Ironworker (Reinforcing) Branch of the Trade**

### **Trade Matters Respecting the Branch**

#### **Undertakings constituting the branch**

**22** The following undertakings constitute the ironworker (reinforcing) branch of the trade:

- (a) the erection of concrete reinforcement materials;
- (b) the attachment of concrete reinforcement materials;

- (c) the post-tensioning of concrete reinforcement materials.

AR 156/2006 s22;109/2011;107/2017

### **Tasks, activities and functions**

**23** When practising or otherwise carrying out work in the ironworker (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.

AR 156/2006 s23;107/2017

## **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 ironworker (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 1620 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 1620 hours of on the job training and successfully complete the technical training that is required or approved by the Board.

AR 156/2006 s24;107/2017

**Employment of apprentices**

**25(1)** Where, with respect to the employment of apprentices in the ironworker (reinforcing) 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 ironworker (reinforcing) branch of the trade or employs a certified journeyman in the ironworker (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)** Repealed AR 107/2017 s24.

AR 156/2006 s25;270/2006;1/2011;107/2017

**Wages**

**26(1)** With respect to the payment of wages to an apprentice in an apprenticeship program in the ironworker (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 ironworker (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;107/2017

## **Part 6 Repeal and Expiry**

**Repeal**

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

**28** Repealed 107/2017 s26.







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