

## Alberta Small Employer OHS Legislated Requirements

**Industry Code: 42124**  
**Electric Wiring**

**This document is a guideline only.** Employers have a responsibility of assessing all applicable occupational health and safety legislation, for the tasks they are performing.

This industry supplies and/or installs and services electrical wiring, systems, components and equipment to conduct and receive electrical power in residential, commercial, and industrial applications.

Task description	Type of equipment used and workers employed
<p>This industry includes the sale, service and installation of various instrumentation, system and measurement controls, such as those related to heating, air conditioning and ventilation (HVAC) in buildings, plants and warehouses. Other instrumentation activity extends to installing, servicing or calibrating instrumentation devices that monitor flow or pressure or light such as gauges, meters, timers and sensors.</p> <p>Activities may include complete or partial wiring or rewiring projects, including installing, connecting, and repairing electrical systems, panels, outlets, fixtures and equipment, and testing on the same. This industry includes installing and servicing electrical controls and systems in plants and commissioning (starting up) of large power systems.</p> <p>This industry installs heat tracing: running electric heat-sensing cable along pipes to a control box.</p>	<p>Equipment includes; backhoe/ditch-witch, handtools, wiring/cabling, ladders, scaffolding, spools and trucks, calibrating equipment.</p> <p>Workers include; electricians, technicians, instrument mechanics, laborers, sales/estimators, office staff and warehouse staff.</p>

Relevant sections of OHS Legislation:

### Occupational Health and Safety Act

**Section** 3,4,5 Obligations of employers, workers, etc.  
     40 Serious injuries and accidents  
     53 Investigation of injuries and incident  
     31 Existence of imminent danger  
     37 Discriminatory action complaint

### Occupational Health and Safety Regulation

**Section** 7 Availability of specifications  
     12 Equipment  
     13 General protection of workers  
     14 Duties of workers  
     15 Safety training

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**Occupational Health and Safety Code (2009)**

**Part 1**

**Section**

Definitions and General Application	2.2	Designated person to prepare plan
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**Part 2**

**Section**

Hazard Assessment,	7	Hazard assessment
Elimination and	8	Worker participation
Control	9	Hazard elimination and control

**Part 3**

**Section**

Specifications and	12	Following specifications
Certifications	13	Manufacturer's and Professional Engineer's specifications
	14	Certification by a professional engineer
	15	Approved equipment

**Part 5**

**Section**

Confined Spaces	45	Hazard assessment
	46	Training
	48	Safety and protection - generally
	50	Unauthorized entry
	51	Traffic hazards
	55	Emergency response
	56	Tending worker
	57	Entry and exit

**Part 7**

**Section**

Emergency	115	Emergency response plan
Preparedness and	116	Contents of plan
Response	117	Rescue and evacuation workers
	118	Equipment

**Part 8**

**Section**

Entrances, Walkways, Stairways and Ladders	119	Safe entry and exit
	120	Doors
	122	Stairways
	123	Handrails on stairways
	124	Restrictions on use
	127	Use near energized electrical equipment
	133	Portable ladders, prohibition
	135	Manufactured portable ladder
	136	Securing and positioning
	137	Fall protection

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<b>Part 9</b>	<b>Section</b>	
Fall Protection	139	General protection
	140	Fall protection plan
	141	Instruction of workers
	142	Full body harness
	143	Connectors, carabiners and snap hooks
	144	Fall arrestors
	150	Equipment compatibility
	150.1	Inspection and maintenance
	150.2	Removal from service
	151	Clearance, maximum arresting force and swing
	152.1	Anchor strength - temporary
	152.1	Anchor strength - permanent
	152.2	Duty to use anchors
	152.3	Independence of anchors

<b>Part 11</b>	<b>Section</b>	
First Aid	178	Providing services, supplies, equipment
	179	Location of first aid
	180	Emergency transportation
	181	First aid providers
	182	Duty to report injury or illness
	183	Record of injury or illness
	184	First aid record access
	<b>Refer to Schedule 2</b>	

<b>Part 12</b>	<b>Section</b>	
General Safety	185	Housekeeping
Precautions	186	Lighting
	189	Securing equipment and materials

<b>Part 14</b>	<b>Section</b>	
Lifting and Handling	208	Equipment
Loads	209	Adapting to heavy or awkward loads
	210	Assessing manual handling hazards

<b>Part 15</b>	<b>Section</b>	
Managing the Control of Hazardous Energy	212	Isolation
	213	Verifying Isolation
	214	Securing by Individual Workers
	215	Securing by group
	215.1	Securing by complex group control
	215.2	Securing remotely controlled systems
	215.3	Returning to operation

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<b>Part 18</b>	<b>Section</b>	
Personal Protective Equipment	228	Duty to use personal protective equipment
	229	Eye protection (compliance with standards)
	233	Footwear
	234	Head protection
	242	Limb and body protection

<b>Part 19</b>	<b>Section</b>	
Powered Mobile Equipment	256	Operator Responsibilities
	290.1	Personal Vehicle for Work Purposes

<b>Part 22</b>	<b>Section</b>	
Safeguards	310	Safeguards
	311	Tampering with safeguards
	312	No safeguards

<b>Part 23</b>	<b>Section</b>	
Scaffolds	323	CSA Standard applies
	324	Design
	325	Load
	326	Tagging requirements
	327	Vertical ladder on scaffold
	328	Working from a ladder
	329	Scaffold planks
	330	Scaffold platform
	331	Metal scaffolding
	334	Free-standing or rolling scaffolds
	346	Worker safety (elevated platforms and aerial devices)
	349	Fork-mounted work platforms
<b>Refer to schedule 6</b>		

<b>Part 24</b>	<b>Section</b>	
Toilets and Washing Facilities	354	Restrictions by employer
	355	Drinking fluids
	356	Exception (temp. site)
	357	Toilet facilities

<b>Part 27</b>	<b>Section</b>	
Violence and Harassment	389	Hazard assessment
	390	Violence prevention plan
	390.4	Harassment prevention plan
	391	Training of workers
	391.1	Investigation and reporting of incidents

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<b>Part 28</b>	<b>Section</b>	
Working Alone	393	Application
	394	Precautions required (communication)

<b>Part 29</b>	<b>Section</b>	
Workplace Hazardous	397	Training
Materials Information	398	Label required
System (WHMIS)	400	Decanted products
	404	Safety Data Sheet - Supplier
	406	Information current (SDS)
	407	Availability of Safety Data Sheet