

Alberta Small Employer OHS Legislated Requirements

Industry Code: 42110
Elevators/Escalators – Install/Service

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.

As a supply and install industry, elevators and escalators are, typically, installed during new construction of a building.

Task description	Type of equipment used and workers employed
<p>When the shaft in a building is complete, elevator installation begins. Scaffolding is set up in the shaft, rails are fastened in the shaft to the top floor, cables strung and affixed, and hydraulic and electrical components and wiring installed. Component parts are assembled in the shaft, and sections are bolted together.</p> <p>This industry also includes installing and servicing escalators, freight elevators, dumbwaiters, etc. This industry includes maintenance and service call activity.</p>	<p>Employers may utilize hand-tools, trucks, crane, scaffolding, measuring and testing equipment, and may employ technicians, electricians, sales/estimators, administration, warehouse/parts staff.</p>

Relevant sections of OHS Legislation:

Occupational Health and Safety Act

Section 3,4,5 Obligations of employers, workers, etc.

- 10 Prime contractor
- 13 Multiple obligations
- 40 Serious injuries and accidents
- 53 Investigation of injuries and incident
- 31 Existence of imminent danger
- 37 Discriminatory action complaint
- 16-17 Joint Work Site Health and Safety Committees and Health and Safety Rep.

Occupational Health and Safety Regulation

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

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 6	Section	
Cranes, Hoists and	59	Application
Lifting Equipment	60	Not commercially manufactured
	61	Identification of components
	62	Rated load capacity
	63	Load charts
	64	Operator requirements
	65	Log books
	66	Preventing an unsafe lift
	67	Preventing collisions
	68	Load weight
	68.1	Lift calculation
	69	Loads over work areas
	70	Tag and hoisting lines
	71	Hand signals
	72	Controls
	73	Repairs and modifications
	88	Safety codes for mobile cranes
	89	Non-destructive testing
	90	Counterweights and outriggers
	91	Warning device
	92	Preventing damage
	92.1	Load blocks
	92.2	Outriggers

Part 7	Section	
Emergency	115	Emergency response plan
Preparedness and	116	Contents of plan
Response	117	Rescue and evacuation workers
	118	Equipment

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Part 8	Section	
Entrances, Walkways, Stairways and Ladders	119	Safe entry and exit
	120	Doors
	124	Ladders, restriction on use
	127	Use near energized electrical equipment
	133	Portable ladders, prohibition
	134	Constructed portable ladder
	135	Manufactured portable ladder
	136	Securing and positioning
	137	Fall protection

Part 9	Section	
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	Anchor strength – permanent
	152.1	Anchor strength – temporary
	152.2	Duty to use anchors
	152.3	Independence of anchors

Part 12	Section	
General Safety	185	Housekeeping
Precautions	186	Lighting
	189	Securing equipment and materials
	191	Signallers
	194	Vehicle traffic control

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

Part 15	Section	
Managing the Control of Hazardous Energy	212	Isolation
	213	Verifying isolation
	214	Securing by individual workers
	215.3	Returning to operation

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Part 16	Section	
Noise Exposure	218	Worker exposure to noise
	222	Hearing protection
	Refer to schedule 3	

Part 18	Section	
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

Part 19	Section	
Powered Mobile Equipment	256	Operator Responsibilities
	257	Visual inspection
	258	Dangerous movement
	260	Inspection and maintenance
	261	Maintenance on elevated parts
	262	Starting engines
	263	Unattended equipment
	264	Lights
	265	Windows and windshields
	266	Other safety equipment
	273	Recertification after modification
	274	Fuel tank in cab
	279	Refuelling
	290.1	Licensing and mechanical inspection (personal vehicle for work purposes)

Part 21	Section	
Rigging	292	Breaking strength
	292.1	Safety factors
	293	Load ratings
	294	Inspection
	295	Prohibition
	296	Rigging protection
	297	Standards
	298	Slings
	299	Rope wound on drum
	300	Cable clips
	301	Ferrules
	302	Matching components
	303	Safety latches

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304	Makeshift rigging and welding
305	Synthetic fibre slings
306	Wire rope
307	Metal mesh slings
308	Electric arc damage
309	Damaged hooks

Part 22 Section

Safeguards	310	Safeguards
	311	Tampering with safeguards
	312	No safeguards
	313	Building shafts
	314	Covering openings
	315	Guardrails
	321	Toe boards

Part 23 Section

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
	338	Outrigger scaffolds
	341	Suspended scaffolds
	352	Temporary supporting structures
	Refer to schedule 6	

Part 24 Section

Toilets and Washing Facilities	254	Restrictions by employer
	355	Drinking fluids
	356	Exception (temp. site)
	357	Toilet facilities

Part 27 Section

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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Part 28	Section	
Working Alone	393	Application
	394	Precautions required (communication)

Part 29	Section	
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