

Alberta Small Employer OHS Legislated Requirements

Industry Code: 40400
Construction – Industrial

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 classification describes general contracting undertakings of turn-key commercial, institutional and industrial projects and also covers general contracting relating to residential properties exceeding 5 stories in height.

General contractors have the contract to construct entire plants, buildings or structures. These contractors undertake a contract for all phases of construction from civil or underground work to structural erection, the installation of equipment and piping, the installation of mechanical and electrical systems and finishing work.

Task description	Type of equipment used and workers employed
Bridge construction when conducted separately from road construction	<p>General contractors will employ engineers and project management personnel to ensure design integrity, provide on-site supervision, oversee the administration, estimating, costing and scheduling throughout the term of the project.</p> <p>General contractors may direct-hire building trades such as pipe fitters, welders, concrete workers and/or alternatively subcontract out various components of the construction to sub trades in completing the project.</p>
<p>Industrial work in this industry will include, but is not limited to:</p> <ul style="list-style-type: none"> - Oil and gas processing facilities including oil sands projects - Manufacturing and processing plants - Industrial warehouses - Sewage and water treatment facilities 	
<p>Institutional work in this industry will include, but is not limited to:</p> <ul style="list-style-type: none"> - Healthcare facilities - active treatment and long term care facilities - Educational facilities - schools, colleges, university buildings, auditoriums, etc. - Recreational facilities 	
<p>Commercial work in this industry will include, but is not limited to:</p> <ul style="list-style-type: none"> - Office towers - Commercial warehouse and distribution centres - Shopping malls, strip malls - Service stations - Restaurants 	

Alberta Small Employer OHS Legislated Requirements

Industry Code: 40400
Construction – Industrial

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 injury or incident
- 31 Right to refuse dangerous work
- 36 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

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 4	Section	
Chemical Hazards,	16	Worker exposure to harmful substance
Biological Hazards	21	Potential worker exposure
and Harmful	22	Worker overexposure
Substances	24	Emergency baths, showers, eye wash equipment
	27	Storage of harmful substance
	Refer to schedule 1	

Alberta Small Employer OHS Legislated Requirements

Industry Code: 40400
Construction – Industrial

Part 5	Section	
Confined Spaces	44	Code of practice
	45	Hazard assessment
	46	Training
	47	Entry permit system
	48	Safety and protection - generally
	49	Protection – hazardous substance and energy
	50	Unauthorized entry
	51	Traffic hazards
	52	Testing the atmosphere
	53	Venting and purging
	54	Inerting
	55	Emergency response
	56	Tending worker
	57	Entry and exit
58	Retaining records	

Part 6	Section	
Cranes, Hoists and Lifting Equipment	59	Application
	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
	74	Containers for hoisting
	75.1	Suspended personnel baskets
	88	Safety codes for mobile cranes
	88.1	Personnel baskets
	89	Non-destructive testing
	90	Counterweights and outriggers
	91	Warning device
92	Preventing damage	
92.1	Load blocks	
92.2	Outriggers	

Alberta Small Employer OHS Legislated Requirements

Industry Code: 40400
Construction – Industrial

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

Part 8	Section	
Entrances, Walkways, Stairways and Ladders	119	Safe entry and exit
	120	Doors
	121	Walkways, runways and ramps
	122	Stairways
	123	Handrails on stairways
	124	Ladders, restriction on use
	126	Prohibition on painting
	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
	152.1	Anchor strength - temporary
	152.1	Anchor strength - permanent
	152.2	Duty to use anchors
	152.3	Independence of anchors

Part 10	Section	
Fire and Explosion Hazards	161.1	Flammable or explosive atmospheres a hazard
	162	Prohibitions
	164	Contaminated skin and clothing
	171	Compressed and liquefied gas

Alberta Small Employer OHS Legislated Requirements

Industry Code: 40400
Construction – Industrial

Part 11	Section	
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
Refer to Schedule 2		

Part 12	Section	
General Safety	185	Housekeeping
Precautions	186	Lighting
	187	Pallets and storage racks
	187.1	Placement of roofing materials
	188	Restraining hoses and piping
	189	Securing equipment and materials
	190	Skeleton structures
	191	Signallers
	192	Stabilizing masonry walls
	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

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

Part 17	Section	
Overhead Power Lines	225	Safe limit of approach distances
	226	Transport loads, equipment and buildings
Refer to schedule 4		

Alberta Small Employer OHS Legislated Requirements

Industry Code: 40400
Construction – Industrial

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
	243	Skin protection
	244	Respiratory dangers
	245	Code of practice

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
	274	Fuel tank in cab
	279	Refuelling
	290.2	Safety requirements (concrete pump trucks)

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
	304	Makeshift rigging and welding
	305	Synthetic fibre slings
306	Wire rope	
307	Metal mesh slings	

Alberta Small Employer OHS Legislated Requirements

Industry Code: 40400
Construction – Industrial

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
	316 Hoppers, bins, chutes
	317 Machine failure
	318 Protection from falling objects
	319 Push stick or block
	321 Toe boards

Part 23	Section
Scaffolds	323 CSA Standard applies
	324 Design
	325 Load
	326 Tagging requirements
	327 Vertical ladder on scaffold
	329 Scaffold planks
	330 Scaffold platform
	331 Metal scaffolding
	332 Bracket scaffolds
	333 Double pole scaffolds
	334 Free-standing or rolling scaffolds
	335 Half-horse scaffolds
	336 Ladderjack scaffolds
	338 Outrigger scaffolds
	339 Roofing brackets
	340 Single-pole scaffolds
	341 Suspended scaffolds
	342 Swingstage scaffolds
	343 Requirements for swingstage scaffolds
	344 Safety on swingstage scaffolds
345 Workers on swingstage scaffolds	
346 Worker safety (elevated platforms and aerial devices)	
347 Standards	
348 Permanent suspension powered work platforms	
349 Fork-mounted work platforms	
352 Temporary supporting structures	
353 Fly form deck panels	
Refer to schedule 6	

Alberta Small Employer OHS Legislated Requirements

Industry Code: 40400
Construction – Industrial

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

Part 25	Section	
Tools, Equipment and Machinery	362	Contact by clothing, etc.
	374	Actuated fastening tools
	375	Grinders
	376	Chainsaws
	377	Circular saw blades
	378	Band saw blades
	381	Cut-off saws

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

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

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

Part 32	Section	
Excavating and Tunnelling	441	Disturbing the ground
	442	Classification of soil type
	443	Soil stabilization
	444	Marking and excavation
	445	Water hazard
	446	Worker access
	447	Locating buried or concrete-embedded facilities
	448	Exposing buried facilities
	450	Methods of protection
	451	Cutting back walls

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OHS Legislated Requirements**

**Industry Code: 40400
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- 452 Loose material
- 453 Spoil piles
- 454 Power pole support
- 455 Safe entry and exit
- 459 Access for powered mobile equipment

Refer to schedule 9