

Alberta Small Employer OHS Legislated Requirements

Industry Code: 89928
Rent/Erect – Scaffold/Cranes

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 specifically describes rental and/or erection services of scaffolding and/or tower cranes.

Task description	Type of equipment used and workers employed
<p>Scaffolding is a temporary support structure for workers, tools, and/or materials during construction. The scaffold may also have to be temporarily anchored depending on the height and location of the project undertaken.</p>	<p>In erecting a tower crane other lifting equipment is often required. Parts and accessories are transported to the worksite on flat deck tractor trailers.</p> <p>Torque wrenches are used to measure the bolt securement on each tower crane section.</p> <p>Workers include; warehouse/yard/shop to store and service their scaffolding, and may additionally use man-lifts, other similar equipment, trucks, hand-tools, parts, and may employ technicians, labourers, sales/estimators, administrative staff.</p>

Relevant sections of OHS Legislation:

Occupational Health and Safety Act

- Section** 3,4,5 Obligations of employers, workers, etc.
 36 Discriminatory action complaint
 40 Serious injuries and incident
 53 Investigation of injury or incident
 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 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

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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
100	Safety code for tower cranes
101	Limit device
102	Operation
103	Changing components
104	Test weights
105	Structural testing and examination
106	Wind and temperature limitations
107	Multiple cranes

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
	128	Ladders on extending booms
	134	Constructed portable ladder
	135	Manufactured portable ladder
	136	Securing and positioning
	137	Fall protection

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

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
	274	Fuel tank in cab
	279	Refuelling

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	

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	302	Matching components
	303	Safety latches
	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
	314	Covering openings
	315	Guardrails
	318	Protection from falling objects

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
	332	Bracket scaffolds
	333	Double pole scaffolds
	334	Free-standing or rolling scaffolds
	336	Ladderjack scaffolds
	337	Needle-beam scaffolds
	338	Outrigger scaffolds
	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	
352	Temporary supporting structures	
		Refer to schedule 6

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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.	
	375	Grinders	
	377	Circular 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 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	