FIELD LEVEL HAZARD ASSESSMENT (FLHA)

Business name

Document: FLHA-001 Rev 1
Assessed: 2026-11-09 17:46
Valid for this shift / task only
Highest risk after controls: Medium

1. BUSINESS AND JOB DETAILS

Job	Glass railing installation	**Start date**	Nov 9, 2026
Working hours	7:00 am to 3:30 pm	**Trade**	Glazing

2. JOB STEPS, HAZARDS AND CONTROLS

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
1	Install temporary edge protection until the railing is complete	Falling from height Falling through a floor opening or void Rules: Provincial OHS regulation, fall protection	**Critical Likely / Fatality**	1.1 Do the work from the ground where you can, for example pre-assemble on the ground or use extension poles. [Elimination] 1.2 Install guardrails or edge protection on all open edges before work starts. [Engineering (guarding)] 1.3 Use a scaffold, mobile work platform or aerial work platform instead of working off a ladder. [Engineering] 1.4 Where edge protection is not practical, use a fall restraint or fall arrest system on a rated anchor point. [Engineering] 1.5 Fall protection plan in place where required. Workers trained in fall protection (Working at Heights training in Ontario). [Administrative] 1.6 Have a rescue plan so a worker hanging in a harness can be brought down within minutes. [Administrative] 1.7 Wear a full body harness with a shock-absorbing lanyard, clipped on at all times when using fall arrest. [PPE] 1.8 Cover every hole and penetration with a fixed, secured cover marked "HOLE" or "DANGER". [Engineering (guarding)] 1.9 Put guardrails with toe boards around stairwells, lift shafts, voids and open edges. [Engineering (guarding)] 1.10 Install stairs early and fit temporary handrails as soon as they go in. [Engineering] 1.11 Never remove a cover or guardrail without approval. Put it back straight away. [Administrative] 1.12 Inspect covers and barriers daily and after other trades have been through. [Administrative] 1.13 Keep lighting good enough to see openings, especially on lower floors and in the evening. [Administrative] 1.14 Use a harness clipped to a rated anchor when working right next to an open void. [PPE]	**Medium Rare / Fatality**	Site supervisor
2	Drill fixings with dust extraction	Silica dust from concrete, brick, stone and tiles Loud noise	**Critical Likely / Fatality**	2.1 Order materials cut to size, or use low-dust methods such as score and snap or a block splitter. [Substitution] 2.2 Cut outdoors or in a separate area, with other people well	**Medium Unlikely / Lost time injury**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
		Hand-arm and whole-body vibration Rules: Provincial OHS regulation, silica exposure limits		away and upwind. [Engineering (guarding)] 2.3 Use water on the blade or on-tool dust extraction connected to a HEPA vacuum. [Engineering] 2.4 Clean up with a vacuum or wet methods. Never dry sweep or use compressed air. [Administrative] 2.5 Have a silica exposure control plan where your province requires one. [Administrative] 2.6 Wear a fit-tested N95 (or better) respirator. [PPE] 2.7 Use quieter tools and methods, such as cut-to-size materials, low-noise machines and battery tools. [Substitution] 2.8 Keep noisy equipment away from work areas, and use screens or distance between the noise and people. [Engineering (guarding)] 2.9 Keep tools maintained and use mufflers on compressors and generators. [Engineering] 2.10 Limit time on noisy tools and rotate workers. [Administrative] 2.11 If you have to shout to be heard 1 metre away, wear hearing protection. [Administrative] 2.12 Use low-vibration tools and methods, such as a breaker on an excavator instead of a hand jackhammer. [Substitution] 2.13 Keep tools sharp and well maintained, and use anti-vibration handles and seats. [Engineering] 2.14 Limit trigger time on high-vibration tools and rotate workers. [Administrative] 2.15 Keep hands warm and dry, and take regular breaks. [Administrative] 2.16 Report tingling, numbness or white fingers early. [Administrative]		
3	Lift panels with suction lifters and enough people	Lifting and carrying heavy loads Glass handling and breakage	**High** **Likely / Lost time injury**	3.1 Plan to avoid carrying: have materials delivered, and old items picked up, as close as possible to where they are used. [Elimination] 3.2 Use lighter or smaller loads: order smaller bags and shorter lengths, and drain or break down old items before moving them. [Substitution] 3.3 Use trolleys, pallet jacks, hoists, vacuum lifters or equipment instead of carrying by hand. [Engineering] 3.4 Use a two-person lift for anything heavy, long or awkward. Plan the route first and clear it. [Administrative] 3.5 Keep the load close, back straight and no twisting. Turn with your feet. [Administrative] 3.6 Rotate tasks and take breaks on long lifting jobs. [Administrative] 3.7 Wear gloves for grip and safety boots to protect your feet. [PPE] 3.8 Use suction lifters, glass trolleys or a glazing robot for large panes. [Engineering] 3.9 Store glass upright on racks and secure it. Never lay it	**Medium** **Unlikely / Serious injury**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
				flat or lean it loosely. [Engineering] 3.10 Use two or more people for large panes, and clear the carry route first. [Administrative] 3.11 Mark new glass with tape or stickers so nobody walks into it. [Administrative] 3.12 Clean up broken glass straight away into a marked container. [Administrative] 3.13 Wear cut-resistant gloves, arm guards, safety glasses and safety boots. [PPE]		
4	Fix and check each panel before removing temporary protection	Falling from height Structural collapse during alterations Rules: Provincial OHS regulation, fall protection	**Critical Likely / Fatality**	4.1 Falling from height: see step 1 for the full controls [Administrative] 4.2 Get an engineer to check before removing any wall, beam, post or bracing that may be load-bearing. [Elimination] 4.3 Keep everyone clear of the area under and next to the work. [Engineering (guarding)] 4.4 Install temporary props, needles or shoring as designed before removing any support. [Engineering] 4.5 Follow the engineer's sequence. Do not change it without approval. [Administrative] 4.6 Check props daily. Do not remove them until the permanent support is in and approved. [Administrative] 4.7 Wear a hard hat and safety boots. [PPE]	**Medium Rare / Fatality**	Site supervisor
5	Clean up	Poor housekeeping and waste	**Medium Likely / Minor injury**	5.1 Order materials to size and send packaging back where you can. [Elimination] 5.2 Put waste bins and chutes close to the work. [Engineering] 5.3 Clean as you go, and do a full clean up at the end of each day. [Administrative] 5.4 Keep exits, stairs and walkways clear at all times. [Administrative] 5.5 Stack materials neatly on level ground, away from edges. [Administrative] 5.6 Wear gloves when handling waste. [PPE]	**Low Unlikely / Minor injury**	Site supervisor

Risk key: risk = likelihood x consequence on a 5 x 5 matrix. Low, Medium, High, Critical. Work must not start while the risk after controls is high or above. Controls are listed in order of the hierarchy of controls: Elimination, Substitution, Engineering (guarding), Engineering, Administrative, PPE.

3. PPE AND PERMITS

Required PPE	Permits and plans
CSA green triangle safety boots (CSA Z195) Cut-resistant gloves Safety glasses (CSA Z94.3) Full body harness (fall arrest) Hearing protection Respirator fit tested to CSA Z94.4 (P100 for dust, or the type the air test calls for)	None required

Required PPE	Permits and plans
Work gloves	

4. PLANT AND EQUIPMENT

Plant / equipment	Licence or training needed	Inspection needed	Rego / ID	Last inspected	Certificate / report
Power drill					
Rotary hammer					
Hand tools					
Scissor lift	Provincial aerial work platform operator training (CSA B354.8)	Operator pre-use inspection each shift; periodic inspection and maintenance to CSA B354.7 and the manufacturer			

5. CREW COMPETENCY, TICKETS AND LICENCES

Crew listed at sign-on below, with ticket and licence numbers.

6. EMERGENCY ARRANGEMENTS

Emergency number	911	**First aid kit**	In the work vehicle
Fire extinguisher	In the work vehicle	**Alarm and evacuation**	Shout for help and stop work. Make the area safe and go to the assembly point. Call the emergency number and send someone to meet the ambulance.
Reporting incidents	Report serious incidents to the provincial regulator as required.		

7. MONITORING, REVIEW AND LEGAL BASIS

The supervisor and crew review this assessment at the start of the shift, whenever the task, crew or conditions change, and before any new work process starts. Re-assess and initial the changes below.

Legal basis: Provincial occupational health and safety law (e.g. Ontario OHSA and O. Reg. 213/91, BC OHS Regulation, Alberta OHS Code). Employers must identify hazards before work starts and control them, and workers must be told about them. A field level hazard assessment is done on site, at the start of each shift or task, and reviewed again when conditions change.

Keep completed hazard assessments for at least 3 years (COR auditors sample the last 12 months). Review this FLHA and re-sign whenever the task, crew or conditions change.

8. PRE-JOB CHECKS

Check	Yes	No
PPE inspected and in good condition		

Check	Yes	No
Tools and equipment inspected		
Permits reviewed and posted		
Locates valid and on site (if digging)		
Barricades or warning ribbon in place		
Muster point and emergency plan reviewed with the crew		
SDS available for products used		
Working alone check-in set up (if anyone works alone)		

9. RE-ASSESSMENT WHEN CONDITIONS CHANGE

Time	What changed	New hazards	Controls	Initials

10. END OF SHIFT REVIEW

Completed at		**Reviewed by**	
Area cleaned up and safe		**Permits closed**	
Incidents or near misses		**Hazards remaining**	

11. REVISION HISTORY

Rev	Date	By	What changed
1	Nov 9, 2026		First issue

12. SIGN-OFF

	Name	Signature	Date	
Prepared by				
Supervisor				
Prime contractor review				Accepted for use: Yes / No

By signing below, each worker confirms they took part in this hazard assessment, it was reviewed with them before work started, and they will follow it. Stop and re-assess if anything changes.

Name	Role / company	Tickets / licences	Signature	Date

Name	Role / company	Tickets / licences	Signature	Date