

# CHERRY HILL GLASS JOB HAZARD ANALYSIS

<b>CREATED BY</b>	<b>Project Name:</b>
<i>Cherry Hill Glass Co., Inc.</i>	
<b>Description/Scope of Work:</b>	
<b>SAFE WORK PLAN</b>	

<p><b>Date/Time:</b> <i>(TBD)</i></p> <p><b>Customer Name / Location:</b></p> <p><b>Nearest Medical Facility:</b></p> <p><b>Project Manager:</b></p> <p><b>Contact #:</b></p> <p><b>Project Safety Manager: Michael Roy</b> <b>24/7 Contact #- 475-321-3963</b></p>	<p><b><u>JHA REVIEW CONDITIONS:</u></b> All crew members must review and sign JHA before work begins. Contractor Site supervisor is responsible for communicating this document with all crew members. This document must be located at the job site.</p> <p><b><u>REQUIRED PPE FOR ALL TASKS IN THIS JHA:</u></b></p> <ul style="list-style-type: none"> <li>- Safety Glasses (ANSI Z87.1 rated)</li> <li>- Hard Hat (ANSI Z89.1 Type 1, Class G)</li> <li>- Work Gloves (ANSI/ISEA 105-2016, A4 Min)</li> <li>- Work Boots (ASTM F2413-18, I &amp; C)</li> <li>- Safety Vest (ANSI 107-2015 Class 2)</li> </ul> <p><b><u>TRAINING</u></b> - Lifts and Lull training - OSHA 10 hour</p> <p><b><u>LADDERS LAST:</u></b> When performing 'Work at Height' Ladder use will always be the last method selected.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #cccccc;">PROBABILITY</th> <th style="background-color: #cccccc;">Very Likely</th> <th style="background-color: #cccccc;">Likely</th> <th style="background-color: #cccccc;">Unlikely</th> </tr> </thead> <tbody> <tr> <td style="background-color: #cccccc;">High</td> <td style="background-color: #ff0000; color: white;">3</td> <td style="background-color: #ff0000; color: white;">3</td> <td style="background-color: #ffcc00; color: white;">2</td> </tr> <tr> <td style="background-color: #cccccc;">Medium</td> <td style="background-color: #ff0000; color: white;">3</td> <td style="background-color: #ffcc00; color: white;">2</td> <td style="background-color: #00cc00; color: white;">1</td> </tr> <tr> <td style="background-color: #cccccc;">Low</td> <td style="background-color: #ffcc00; color: white;">2</td> <td style="background-color: #00cc00; color: white;">1</td> <td style="background-color: #00cc00; color: white;">1</td> </tr> <tr> <td style="background-color: #cccccc;">SEVERITY</td> <td colspan="3" style="background-color: #00cc00; color: white;">1 Low</td> </tr> <tr> <td style="background-color: #cccccc;">Overall Risk Level =</td> <td colspan="3" style="background-color: #ff0000; color: white;">Risk Level 3 (High) – STOP! Determine alternative solution, if not feasible, ensure Safety rep is present to oversee work.</td> </tr> <tr> <td></td> <td colspan="3" style="background-color: #ffcc00; color: white;">Risk Level 2 (Med) – Further evaluation / Consultation (Supervisor) should be considered</td> </tr> <tr> <td></td> <td colspan="3" style="background-color: #00cc00; color: white;">Risk level 1 (Low) – Proceed - with Caution</td> </tr> </tbody> </table>	PROBABILITY	Very Likely	Likely	Unlikely	High	3	3	2	Medium	3	2	1	Low	2	1	1	SEVERITY	1 Low			Overall Risk Level =	Risk Level 3 (High) – STOP! Determine alternative solution, if not feasible, ensure Safety rep is present to oversee work.				Risk Level 2 (Med) – Further evaluation / Consultation (Supervisor) should be considered				Risk level 1 (Low) – Proceed - with Caution		
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#	SEQUENCE OF BASIC JOB STEPS/TASKS: <b>(What am I doing?)</b>	HAZARD/POTENTIAL HAZARDS: <b>(How could I get hurt?)</b>	RISK LEVEL RANKING 1, 2 or 3	RECOMMENDED HAZARD CONTROLS/OR SAFE JOB PROCEDURES <i>(to minimize Risk Code)</i> or OTHER COMPANY SPECIFIC REQUIRED CONTROLS: <b>(What could prevent injury?)</b>	REVISED RISK LEVEL RANKING 1, 2, 3
1.	Paperwork submission and approved JHA: -Safe Work Permit Issued and Signed -Approved JHA posted in work area  Attend Morning Pre-task meeting with BOND and other subcontractors Prepare and Perform Morning Meeting with subcontractor workers 1. Sign off by workers 2. Posted in Work Area When working in areas with lower level fall exposure	Working without permit Workers entering or performing work with unrecognized hazards. Falling objects	1	<ul style="list-style-type: none"> <li>• No Work is performed or started without signed permits and attending meeting with BOND and subcontractor crew. Signatures and posted permits must be present during work operations.</li> <li>• Areas below will be blocked off with Danger tape or have a dedicated spotter to keep all personal away from area.</li> </ul>	1
2.	Mobilization to site, Unload Tools & Equipment.	<ul style="list-style-type: none"> <li>• Slips, trips and falls</li> <li>• Struck by</li> <li>• Environmental extremes, (heat, cold)</li> <li>• Back injuries</li> </ul>	1	<ul style="list-style-type: none"> <li>• All workers to attend safety orientation.</li> <li>• Understand MSDS material and all CHG safety procedures for safe working on site.</li> <li>• Review JHA tasks daily</li> <li>• Inspect equipment prior to use.</li> <li>• Don't twist at the waist when lifting.</li> <li>• Use proper lifting procedures, lift with knees and legs.</li> <li>• Traffic control devices if needed.</li> <li>• Use of proper tools and material lifting procedures.</li> <li>• Know the weight before lifting.</li> <li>• Review heat stress symptoms, have potable liquids and shaded shelter available.</li> </ul>	1
3.	Working from Lifts / Booms	<ul style="list-style-type: none"> <li>• Unlevelled Ground</li> <li>• Overhead obstructions</li> <li>• Congested areas</li> <li>• Pedestrians</li> <li>• Other motor vehicles</li> <li>• Visibility, weather conditions</li> <li>• Unsecure load</li> <li>• Pinch points, Slips trips falls</li> </ul>	3	<ul style="list-style-type: none"> <li>• All employees working over 6 feet must be tied off, connection capable of supporting 5000lbs.</li> <li>• Be sure areas below you are secure with caution tape while working above.</li> <li>• Use spotters when moving equipment.</li> <li>• Familiarize yourself with the jobsite.</li> <li>• Establish good communication with spotter.</li> <li>• Three points of contact</li> <li>• Inspect equipment/rigging prior to use</li> </ul>	1

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4.	Step (self supporting) Ladders	<ul style="list-style-type: none"> <li>Slips trips falls</li> </ul>	2	<ul style="list-style-type: none"> <li>Assess if manlift or scaffolding can be used to complete task. A ladder is the last option, but if only option; only Platform ladders will be used. Prior to each use inspect step ladders to make sure they are not cracked, worn or damaged.</li> <li>Step ladders to be commercial grade fiberglass. Place the step ladder on a clean, stable, level surface. Open the step ladder completely and secure the spreader. Never use a step ladder as a leaning ladder. Never stand on the top or top step of a step ladder. Keep the ladder and adjacent area free from debris. 100% fall protection to be utilized when working above six feet, and when working on or above the 6th step of a step ladder.</li> <li>Inspect harness and lanyard daily to assure integrity of equipment.</li> <li>Store fall protection equipment in appropriate location, do not store materials on top of fall protection equipment.</li> <li>All fall protection equipment must be rated for 5,000 lbs or greater. All fall protection equipment must be attached directly overhead to a minimum height of 18-1/2" to an anchor point capable of supporting 5,000 lbs.</li> <li>A component person will be assigned to inspect and document all fall protection equipment on a daily basis.</li> <li>Ensure all warning labels are attached to each step ladder to include the duty rating label and all other related warning labels.</li> <li>Never leave ladders unattended, standing if not being utilized. ladders are to be removed from jobsite each day and only brought on site if needed for task that day.</li> </ul>	1
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5.	Removal and installing Glass	<ul style="list-style-type: none"> <li>• Back injuries</li> <li>• Hoisting</li> <li>• cuts</li> </ul>	1	<ul style="list-style-type: none"> <li>• All employees must wear task specific gloves to have maximum grip and cut protection.</li> <li>• Use proper lift techniques. (Lift with your knees not your back)</li> <li>• Use tag lines to control suspended loads.</li> </ul>	1
6.	Cutting Metal with Saws	<ul style="list-style-type: none"> <li>• Improper use of equipment</li> <li>• Cuts/lacerations</li> <li>• Cuts</li> <li>• Noise</li> <li>• Other Trades</li> </ul>	1	<ul style="list-style-type: none"> <li>• Inspect all equipment before making cuts.</li> <li>• Only employees trained by a Competent person can operate saws.</li> <li>• Always wear safety glasses when using saw</li> <li>• Always wear task-specific gloves.</li> <li>• Flag/tape work area to eliminate other personnel from entering or distracting employees.</li> <li>• Use tag lines to control suspended loads.</li> <li>• Communicate, be aware of other trades.</li> <li>• Utilize hearing protection for sounds over 85 dBA</li> </ul>	1
7.	Working with drills Working with screw guns and other power tools Working with Concrete Hammer Drills	<ul style="list-style-type: none"> <li>• Electric Shock</li> <li>• Eye injuries</li> <li>• Hand injuries</li> <li>• Silica Exposure</li> </ul>	1	<ul style="list-style-type: none"> <li>• All employees must be trained on equipment being used. Always use inspected and OSHA approved extension cords with proper grounding.</li> <li>• Make sure there is a ground fault system on the project and use GFI pigtails.</li> <li>• Wear safety glasses when using all power tools and make sure you and the material are secure especially when drilling with larger drills going through steel and heavy aluminum.</li> <li>• Always use 2 hands when drilling</li> <li>• Wear dust face masks when required working with silica according to OSHA standards.</li> </ul>	1
8.	Working from 6 feet or higher	<ul style="list-style-type: none"> <li>• Severe injury or death</li> <li>• falls and struck by</li> </ul>	3	<p>Fall protection must be always worn. Each employee engaged in activities on low-slope roofs, with unprotected sides and edges 6 feet or more above lower levels shall be protected from falling by guardrail systems, safety net systems, personal fall arrest systems, or a combination of warning line system and guardrail system, warning line system and safety net system, or warning line system and personal fall arrest system, or a warning line system and safety monitoring system. Inspect your PFAS daily before each use.</p> <p>All employees working over 6 feet must be tied off to a proper anchorage point engineered for 5,000 lbs.</p>	1

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9.	Performing a Lift of an object	<ul style="list-style-type: none"> <li>• Crush injury</li> <li>• Back injury</li> <li>• Sprains</li> </ul>	1	<ul style="list-style-type: none"> <li>• Grip the object firmly. Do not pinch an object between your thumb and forefinger. Always Wear gloves to improve grip.</li> <li>• Use proper lift techniques. (Lift with your knees not your back)</li> <li>• Do stretches before starting your work day to improve your flexibility.</li> <li>• Always use more than one person to lift an object if its to heavy.</li> <li>• Wear proper foot protection Work Boots (ASTM F2413-18, I &amp; C)</li> </ul>	1
10.	Cranes Lulls forklifts Hoisting material	<ul style="list-style-type: none"> <li>• Struck By</li> <li>• Fall on</li> <li>• Loss of load</li> <li>• Rigging</li> </ul>	3	<ul style="list-style-type: none"> <li>• Cranes Lulls and forklifts are to be inspected daily prior to use and inspection documented.</li> <li>• Only trained personnel can operate Cranes, Lulls and forklifts, no exceptions.</li> <li>• Be sure to properly signal operators, and use proper rigging with legible rating tags on them - discard rigging if tags are illegible or if they show signs of excessive wear.</li> <li>• Equipment. All slings and rigging must be inspected before each use.</li> <li>• Be sure loads are properly hoisted, never let anyone work or pass under suspended loads.</li> <li>• Corden off hoisting area with danger tape to ensure untrained rigging workers are NOT within a striking distance of a suspended load.</li> <li>• Keep loads low to the ground whenever possible.</li> <li>• Be sure ground is secure, no underground foundation or pipes are present prior to hoisting. - Check with GC to confirm if necessary.</li> <li>• Make sure you know the weight of heavy loads and know your limitations of equipment you are hoisting with.</li> </ul>	1

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11.	Demobilize / Site clean-up	<ul style="list-style-type: none"> <li>• Slips, trips, falls</li> <li>• Uneven surfaces</li> <li>• Congested site</li> <li>• Back strains</li> <li>• Moving equipment</li> <li>• Hoisting</li> <li>• Caught between/struck by</li> </ul>	1	<ul style="list-style-type: none"> <li>• Tag damaged equipment going back to the shop</li> <li>• Watch where you walk</li> <li>• Beware of moving machinery</li> <li>• Size up the lift</li> <li>• Do not carry view-obstructing loads</li> <li>• Only trained operator can use Lull/Forklift/boom</li> <li>• Remain in the seat at all times while using equipment</li> <li>• Walk around, all tools and equipment are on the truck and secure</li> </ul>	1
12.	Worker Hydration	<ul style="list-style-type: none"> <li>• Decreased physical performance.</li> <li>• Impaired cognitive functioning.</li> <li>• Headaches</li> <li>• Dehydration</li> </ul>	1	<ul style="list-style-type: none"> <li>• Drink plenty of fluids throughout the day</li> </ul>	1
13.	Welding Cutting of steel	<ul style="list-style-type: none"> <li>• Eye damage</li> <li>• Foreign object in eye</li> <li>• Burns</li> <li>• Fire</li> </ul>	2	<ul style="list-style-type: none"> <li>• All welding to be done by Certified welders, always have fire extinguishers</li> <li>• Always have fire extinguishers visible from the area in which the welding is taking place- preferably within 10ft of work area if possible. Especially when working from arial lifts.</li> <li>• Make sure burn permits are current &amp; cover all material that could be destroyed.</li> <li>• Wear proper welding gloves, Safety glasses and a welding shield as needed to avoid potential injuries.</li> <li>• Fire watch required during and 30 minutes following operation.</li> <li>• Clear area of flammables make sure areas are secure with caution tape so no one can pass into area where sparks are falling.</li> </ul>	1

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## Requirements for Project

- All must have OSHA 10 hour and proper lift and fall protection training.
- Foremen must have OSHA 30.
- Valid & current equipment license.
- Hard hats must be worn at all times per 1926.100 must comply with ANSI-Z89.1
- Work boots that meet ASTM F-2412 at all times
- Task specific work gloves to be worn.
- Safety Glasses must be worn at all times per 1926.102 & meet ANSI-Z87.1
- Employee is responsible to inspect PPE before use.
- Drug-free workplace.
- Harnesses & lanyards for falls greater than 6 feet
- Tag & remove from service any faulty equipment.
- Follow All CHG safety rules per CHG Employee Safety Manual

# CHERRY HILL GLASS JOB HAZARD ANALYSIS

**Project Safety Manager**

Date: 7/17/2023

Signature: