



**FRED SHEARER & SONS, INC.**  
 ESTABLISHED 1916

<b>Job Hazard Analysis</b>		<b>JHA # 18</b>
<b>Job/Task Title: Interior Removal and Disposal of Glass</b>		
<b>Safe Job Procedure:</b>		<b>Revised 1/2024</b>
<p>This JHA is for the safe and successful removal and disposal of glass. Special emphasis is placed on prevention of glass breakage and cuts.</p>		
<p align="center"><b>Required PPE: Hard Hat, Safety Glasses, Hi-Vis Vest, Cut-4 Gloves, Cut Resistant Sleeves, Work Boots</b></p>		
<p align="center"><b>Review JHA's 17,22,23,26,28,30,31: Interior Demolition, Rolling Scaffolds (Perry/ Baker), Powered Tools and Equipment, Material Handling, Scaffolding, Covering/ Cleanup, LOTO</b></p>		
<b>Step #1 Work Area Inspection</b>		
<b>Steps to Complete Job</b>	<b>Hazards</b>	<b>Preventive Measures</b>
Survey and set up the work area.	Workers can be cut on sharp materials, sharp edges, or equipment. Possible trips, falls, and being struck by loose debris or unsecure materials.	1) Hard Hat, Safety Glasses, Hi-Vis vest, Cut-4 Gloves, Cut Resistant Sleeves, and Work Boots.
		2) Identify, eliminate, or mark all trip hazards such as, open holes, slippery conditions, rolling stock, or changes in elevations.
		3) Correct or note any changes in work area since last leaving it.
		4) Pickup loose materials and remove debris from work area.
Identify any stored energies in the work area that could be released due to the work being performed, or by being damaged.	Workers could release unknown or unsuspected energy due to damage, removal of system components, or exposure of system components.	1) Relocate stored energy components or system from work area.
		2) Deenergize and install LOTO (JHA #31) procedures to stored energy source.
		3) Install bulletproofing or mitigation to protect stored energy source.
		4) Barricade and tag area around stored energy source.



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Walk area to ensure that there is adequate lighting and electrical power supply.	Lack of lighting can impair the ability to see, causing trips, falls, cuts, etc. Lack of sufficient electrical power can cause circuit overloads and excessive number of electrical cords in the area.	1) Have temporary task lighting provided before work begins.
		2) Have temporary power provided before work begins.
		3) Minimize electrical cords in area. Verify the cords in use are rated for their expected use.
		4) All cords and lighting to be GFCI protected.
		5) All cords to be tested and marked according to current Assured Grounding protocol.
Coordinate work in the area with other trades.	Possible confusion and conflict due to multiple trades working in a limited area.	1) Communicate with other trades to avoid creating a hazardous situation by trade stacking. <b>Coordination.</b>
<b>Step #2 Task Area Prep</b>		
<b>Steps to Complete Job</b>	<b>Hazards</b>	<b>Preventive Measures</b>
Preparing glass and area for glass removal.	Worker will be exposed to strains, cuts, and trips.	1) Stretch and flex before beginning of shift and after lunch. Stretch throughout the shift when needed to reduce or eliminate muscle strains.
		2) Clear area of any excess materials or debris.
		3) Have a stocking plan in place.
		4) Utilize duct tape, placing tape in an "X" pattern on glass before removal.
		5) Create an exclusion zone with caution tape and signage to keep personnel out of demo area.
		6) Have all equipment ready to quickly clean up after possible glass breakage.
		7) Removed glass is to be staged in a non-congested area and protected on all sides from damage.
Removal and crating of glass.	Worker could be exposed to strains, cuts, and trips.	1) Have either a cart or pallet ready to accept glass prior to removal.
		2) Use a buffer between glass and cart/ pallet.
		3) Always use at least two glass cups when removing glass.
		4) Glass is to be removed from the trim side of wall.
		5) Glass is not to be stacked over 12 inches high.
		6) Glass is to be shrink wrapped.
		7) Removed glass is to be staged in a non-congested area and protected on all sides form damage.



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Handling and moving of glass.	Worker could be exposed to strains, cuts, and trips.	1) Plan movement of glass to minimize handling.
		2) Use proper lifting techniques. Get assistance if the glass is too heavy for one person to safely handle, or for awkward loads.
		3) Avoid twisting while lifting.
		4) Secure all loads before moving or transporting.