

**APPENDIX A
 ADDITIONAL INSTRUCTIONS**

PRINT THESE INSTRUCTIONS IN COLOR

PART 1-GENERAL

1.1 DESCRIPTION

- A. Section identifies windows to be restored to operable condition during remediation process.
- B. Section identifies broken window glass to be replaced during remediation process.
- C. Section directs removal of existing window A/C units or fans and replacement with new infill panels during the remediation process.
- D. Section provides for additional information on sealing and marking of wood floors.

1.2 RELATED WORK

- A. Section 02 41 00, DEMOLITION
- B. Section 02 82 11, TRADITIONAL ASBESTOS ABATEMENT
- C. Section 02 83 33.13, LEAD-BASED PAINT REMOVAL AND DISPOSAL
- D. Section 08 80 00, GLAZING
- E. Section 09 91 00, PAINTING

1.3 OPERABLE WINDOWS

- A. The Contractor is to evaluate the existing condition of the windows and identify those in the best condition to restore to operation.
- B. A minimum of one of the three operable panels in every standard window at Level One, Two, and Three are to be restored to operation.
- C. A total of 50% of all operable windows at Level One, Two and Three are to be restored to operable condition. Windows to be evenly distributed across each floor to allow use for cross ventilation for the building staff.
- D. Contractor to provide unit cost per window for additional operable panels. VA to determine if operable window panels in addition to 50% noted here are to be made operable.
- E. Windows at Lower Level to be inoperable.
- F. Opening Chart

Level	Window Quantities	Total Openings	Openings to made Operable
Lower	2	4	0
One	10 + 1 small	30 + 1	15 + 1*
Two	13 + 1 small	39 + 1	20 + 0
Three	13 + 1 small	39 + 1	20 + 0
Roof**	2	2	0
Stairs	2	2	0

- *Small window to be operable at Level One only
- **Roof windows not in contract

G. Window panels that are not being restored to operation should be fixed in place in a reversible, non-damaging manner that does not alter the appearance of the window from the exterior of the building.

H. Images



Small window at Level One, Two, and Three

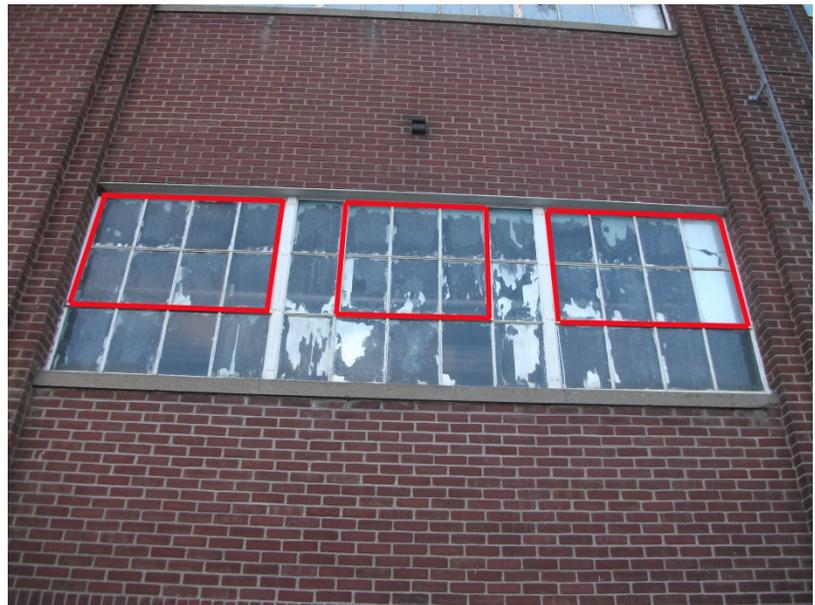


Typical Window at Level One, Two, and Three (Type C, D, J, & K).

Red outline indicates operable panels

Typical Window at Level One, Two, and Three.

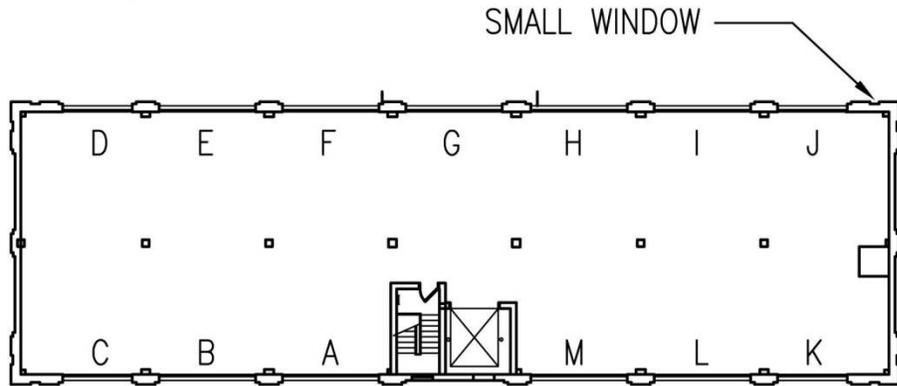
Red outline indicates operable panels



1.4 GLASS REPLACEMENT

A. The Contractor is to replace broken and cracked glass with standard clear glass, similar to existing replacement panes.

B. Window Plan Image:



C. The chart below identifies what is believed to be broken glass and some instances of acrylic replacement panels. The Contractor is to verify existing conditions and replace broken glass as needed in addition to the chart below.

D. Window Inventory Chart

Fort Snelling Building 222 Warehouse Window Inventory				
Level	Window	Panes Total	Panes Damaged	Notes
Stair	Lower	9	1	
	Upper	9	1	
Lower	LB	12	2	one pane (to replace) is acrylic
	LC	16	3	two panes (to replace) are acrylic
Level One	1A	39	3	
	1B	39	5	
	1C	27	3	
	1D	27	2	
	1E			n/a - garage door
	1F	39	1	one has been replaced w/ wire glass, leave as-is
	1G			n/a - garage door
	1H	31	0	8 panes are wood panel with A/C unit - remove A/C unit and infill with panel
	1I			opening has been bricked in, no work needed

	1J	21	0	6 panes are wood panel with A/C unit - remove A/C unit and infill with panel
	1K	20	2	6 panes are wood panel with A/C ductwork, one pane is fan (fan not working. Coordinate w/ VA to replace wood panel, remove fan and replace with glass
	1L	39	4	
	1M	27	1	
	small window	4	0	to be made operable
Level Two	2A	39	4	
	2B	39	3	
	2C	27	5	
	2D	27	0	
	2E	39	2	
	2F	39	0	
	2G	39	3	
	2H	39	2	
	2I	39	3	
	2J	27	3	
	2K	27	0	
	2L	39	2	
	2M	39	1	
	small window	4	0	to be fixed closed (reversibly)
Level Three	3A	27	0	
	3B	39	0	
	3C	27	1	
	3D	27	1	
	3E	39	0	
	3F	39	0	
	3G	39	0	
	3H	39	1	
	3I	39	0	*4 panes not visible due to equipment
	3J	27	0	
	3K	27	1	
	3L	39	2	*2 panes not visible due to equipment
	3M	39	4	*9 panes not visible due to equipment
	small window	4	0	to be fixed closed (reversibly)
Roof	NIC			Two windows Not In Contract

Total		1273	66	*15 panes not visible during inspection
			5.18%	percentage of broken panes

1.5 WINDOW INFILL PANEL REPLACEMENT

- A. The Contractor is to remove two existing window A/C units on courtyard side of Level One.
- B. Units to be cleaned and disposed of according to Specification Sections 02 41 00, DEMOLITION, Section 02 82 11, TRADITIONAL ASBESTOS ABATEMENT and Section 02 83 33.13, LEAD-BASED PAINT REMOVAL AND DISPOSAL.
- C. Image



Window A/C Unit (1 of 2)

- D. Portable A/C unit ductwork and infill panel to be removed for window remediation process. Contractor to coordinate with VA: VA to construct new duct infill panel, contractor to reinstall portable A/C unit.
- E. Existing exhaust fan and infill panel to be removed. Fan to be cleaned and disposed of according to Specification Sections 02 41 00, DEMOLITION, Section 02 82 11, TRADITIONAL ASBESTOS ABATEMENT and Section 02 83 33.13, LEAD-BASED PAINT REMOVAL AND DISPOSAL.

F. Image

Portable A/C unit ductwork
and infill panel.

Existing exhaust fan and
infill panel.



Window A/C Ductwork Panel and Fan

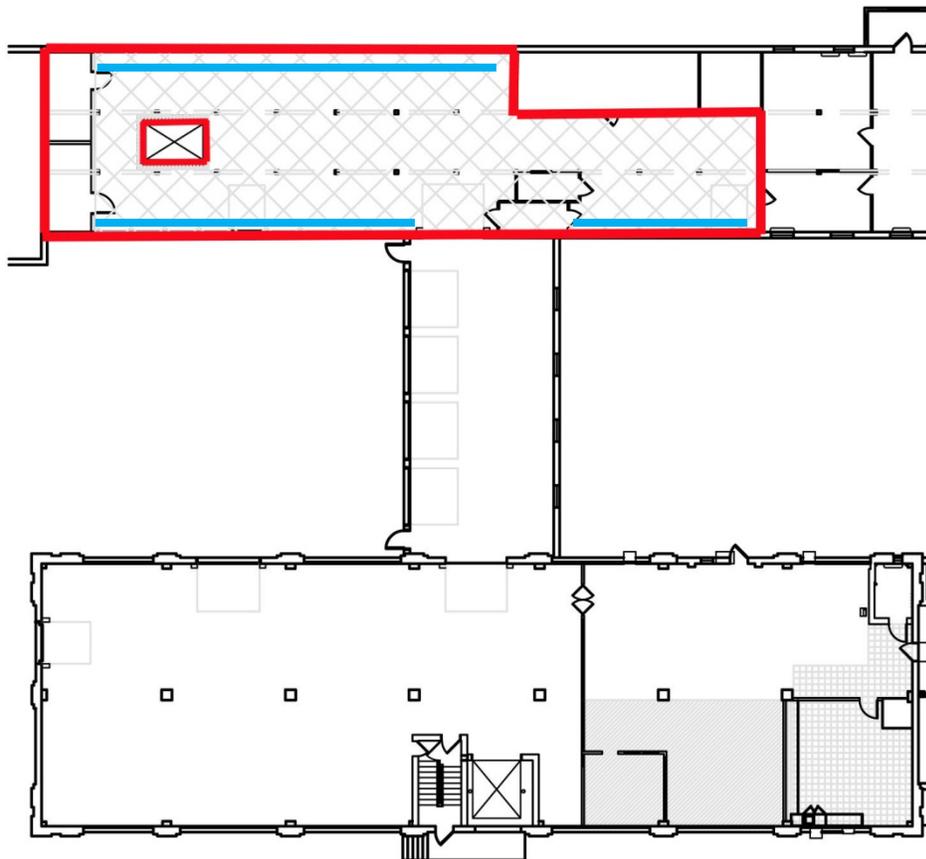
G. Replacement Panels

VA to construct and install plywood infill panels similar to existing.
Contractor to coordinate with VA for installation of infill panels.

1.6 WOOD FLOOR SEALING AND MARKING

A. Sealing

1. Area outlined below in **RED** is wood flooring which will undergo cleaning during the remediation process. Due to the limitations in the cleanability of wood flooring, the Contractor will be responsible for sealing of the flooring after the cleaning process.
2. No patching or repair of wood flooring is to be included.
3. Metal flooring panels are to be removed, cleaned, and replaced after wood floor is sealed. Coordinate with VA for preferred locations of metal panels.



B. Marking

1. Wood Window frames are to be encapsulated and should be guarded against future damage. Areas outlined in **BLUE** above are locations for floor marking to outline extents of storage boundaries.
2. Markings should be installed on top of floor sealant to allow for future removal. Install tape a minimum of 12" from interior face of wall. Marking tape should run full length of walls with wood windows.

3. Markings should be fluorescent or high visibility yellow tape, minimum 2" in width.

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