

Section 6 November 20, 2005



In order to add tasks to our completion cycle, efficiencies must be gained in routine tasks. Vent mechanisms require inspection and repair of broken attachment brackets, worn out pivots, bent arms, travel adjustment, frozen set screws and gear box maintenance.

Context

Paint application and drying is hampered by the winter weather.

Initial observations

In this room, we have better heat from existing forced air furnace to improve drying. As we progress through the house, we observe an increase in problems with the vent mechanism. Each assembly spans 4 of our completion sections.

Proposed practice

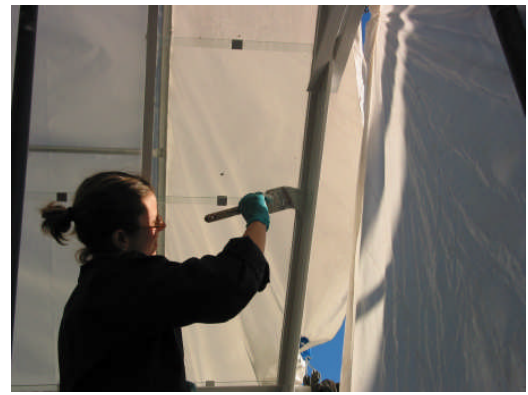
Improve shelter so that painting can proceed while glass is removed. Repair vent operation by task, throughout the house.



Results from sixth section

With heat, the drying time after pressure washing is reduced to overnight.

Steel and wood paint is complete prior to glass install. This saves the time of going back and working in constricted areas.



Recommended practice

Maintain checklist of paint process to monitor sequence and completion of application. Focus on completion of paint before glass re-installation.

Conservation practice

The vent mechanism repair material will be similar to the original. Gearbox assemblies are cleaned, gear oil drained and new gear oil replenished. Shafts that suffer corrosion more than 50% of pipe wall thickness will be replaced with schedule 40 black pipe.



Project priorities

Vent mechanism shall be working and in good condition. All set screws for vent closure adjustment shall be working and not seized. Pivots that have failed or are weak shall be replaced with brass rivets. Operating gears shall be cleaned and lubricated.



Future caretaking

Adjust vents for proper closure and check gear oil level. Enclosures and bushings are not sealed. Gear oil leakage can be minimized by keeping the top of oil in contact of the lowest gear. Do not overfill.

