Part 1 GENERAL

1.1 RELATED WORK

1. General Conditions as applicable.
2. Section 0 803 50 30: Wood Epoxy Consolidation
3. Section 08 03 50 31: Wood Epoxy Patching
4. Section 09 03 01 01 : Surface Preparation
5. Section 09 91 00: Painting and Finishing

1.2 INTENT

1. The intent of this work is to undertake the maintenance work necessary to ensure the on-going functioning, preservation, and conservation of the windows.

1.3 SAMPLES

1. Epoxy consolidation repair material.
2. Epoxy patching material.
3. Alkyd primer.
4. Alkyd top coat.

1.4 STORAGE AND PROTECTION

1. All new materials and existing components are to be protected from damage throughout the duration of this contract.
2. Once work begins on exterior take necessary measures to protect from moisture until work is completed.
3. Any material removed from site to be marked “Town of Newmarket – Mulock House”.

Part 2 MATERIALS

2.1 PUTTY

1. Oil based

2.2 LINSEED OIL

1. Purified double boiled type

2.3 TURPENTINE

1. Best quality.

2.4 REPLACEMENT WOODS

1. For dutchmen repairs to existing window sash, sills, frames and replacement glazing stops use kiln dried eastern white pine with a maximum moisture content 12%; grade C select or better.

2. For repairs to interior stops match existing species and grain orientation; white oak, maple, birch or ash, FAS clear, free of any knots or other natural imperfections and free of any machining imperfections.

3. Laminated or finger jointed material shall not be permitted.

2.5 ADHESIVE

1. G2 two-part epoxy by Industrial Formulators of Canada Ltd.

2.6 HARDWARE

1. Bronze wood screws (slot heads), bronze hinges, bronze sash locks, bronze sash pullys, and bronze grommets (#6 Window Stop Adjusters by "Ives" Fine Builders Hardware Inc. or approved equal. Lead counterweights. Oil-rubbed bronze finish.

2.7 GLASS

1. Clear Float Glass to CAN/CGSB 12.79 matching existing thickness and weight.

2. Note that any variations from existing weight will necessitate adjustments sash weights of double-hung counterbalance system where present.

2.8 NAILS

1. For holding wood glazing stop use galvanized finishing nails.

2.9 WEATHER STRIPPING

1. Sprung bronze V type to match existing and bronze nails supplied by manufacturer.

2. Pile type set in kerf to match existing.

2.10 PLYWOOD

1. Plywood for temporary plugs where it is necessary to remove sash shall be Douglas Fir, good both sides, 8 mm (3/8"), exterior grade.

2.11 SASH CORDS

1. As required to match existing. Use sash cords with waxed braided cotton outer and polypropylene core. Where nylon rope has been used as an inappropriate temporary fix for the sash cord, provide replacement to match the standard.

2.12 SASH CHAINS

1. Sash chain specifically for double hung sash sized to suit existing rollers and specific weight. Provide data sheets from manufacturer.

2.13 GLAZING POINTS

1. Non-corrosive type sized appropriately.

2.14 SEALANT

1. Clear silicone sealant for seating V type bronze weather stripping.

2.15 WAX

1. Paraffin wax in block form to lubricate edges of sash stiles immediately before reinstallation.

Part 3 EXECUTION

3.1 DISMANTLING

1. All required dismantling, such as removal of sash, associated trim, and glass shall be done with extreme care, taking appropriate precautions not to damage adjacent material or window components themselves.

2. Take care with tools to avoid marring, crushing or splitting components. If necessary, nails which have to be removed should be snapped off on the back of the component rather than driven back through the face.

3. All components, including hardware, which are being dismantled shall be labeled and retained for the duration of the job. Hardware shall be bagged.

4. All disassembled components shall be labeled using the pre-assigned window inventory number, e.g., W1-02, and other information required.

5. Labels shall consist of gasket paper, marked with a waterproof marker, stapled to the component on a hidden surface in a secure manner. Label shall be applied immediately upon removal of the component.

6. Contractor shall store the components in such a way that they are protected from the weather and are accessible for easy reference throughout the job. Objects shall be stored together in logical groups to prevent any object from being misplaced or lost.

7. Sash and other components shall be appropriately stacked, padded and supported to prevent deterioration, warping, abrasion or other forms of damage.

3.2 SPLICED-IN REPAIRS - "DUTCHMEN"

1. Damaged, deteriorated or decayed components are to be cut out and new material spliced in respecting original details and profiles.

2. Material spliced in as repair shall be same wood species with grain orientated to match original.

3. Joints shall be tight so that after finishing they are visible only upon close inspection. In exterior situations joints shall be weather tight; bevel joints so that they would drain to the exterior should moisture penetrate.

4. Material spliced in shall be attached to the parent piece, not adjacent element.

5. Surface fasteners are not permitted; clamp until adhesive has set and protect from pressure marks.

3.3 PARTING STRIPS

1. Re-fasten parting strips near bottom with two small brass screws.

3.4 TEMPORARY PLUGS

1. Where it is necessary to remove sash, fit opening with plywood panel secured in the plane the interior stops with light framing around perimeter.

2. Plugs to be dust proof, weather proof and vandal proof.

3. Submit shop drawing of proposed installation for review before proceeding. Revise and resubmit as required.

3.5 REINSTALLATION

1. Reinstall sash to fit snugly and operate smoothly.

2. Thoroughly wax edges of sash immediately before reinstallation.

3. Plane or otherwise adjust as required.

4. Prime and repaint areas that are affected in final fitting.

5. Reinstall any hardware previously removed to facilitate this work.

End of Section 08 03 50 20