

Queen's University, Master of Art Conservation Program
Art Centre Extension Building, Queen's Crescent, Kingston, On, k7l 3n6
phone: (613) 533-6166 fax: (613) 533-6889

Condition Report

PO 595-357

Owner's Number:

Owner	Queen's Archives
Address	Queen's University
Telephone	613-533-2378
Fax	
e-mail	N/a
Date	March 3, 2005
Examined by	Sabina Sutherland

Type of object	Architectural drawing
Artist / Author	Merrill Dennison
Title	Elevation 4
Medium	graphite and blue pencil
Dimensions (cm)	H 45.0cm L 60.0cm W
Frame	none
Previous treatment	No known previous treatment

GENERAL REMARKS:

abbreviations:

PCAPSB - Print Council of America Paper Sample Book

B -bottom ; T -top ; R -right ; L -left

BR -bottom right ; BL -bottom left ; TR -top right ; TL -top left

BRQ -bottom right quadrant TRQ -top right quadrant

BLQ -bottom left quadrant TLQ -top left quadrant

Ca(OH)₂ -calcium hydroxide H₂O - water soln - solution EtOH - ethanol

SUMMARY OF METHODS OF EXAMINATION

Normal light: reflected, transmitted, raking

Radiation: ultraviolet, infrared, x-ray

Sampling: fibre, section

Analysis: pH, spot tests, instrumental

Other:

STRUCTURE

PRIMARY SUPPORT:

Material	Paper
Manufacture	Wove –translucent-overbeaten fibre
Formation	Even throughout
Look-Through	
Colour	Beige (I) PCAPSB
Thickness	Between thin (II) and Med (I) PCAPSB
Texture	Smooth-PCAPSB
Surface	matte
Signature	none
Inscriptions	TL corner – in graphite, reads ‘Elevation 4’
Watermark	None
Collection Mark	None
Labels	None

SECONDARY SUPPORT, PRESENTATION FORMAT: no secondary support

CONDITION

PRIMARY SUPPORT:

Overall colour change	Yellowed overall ? naturally buff-coloured ?
Local colour change	<p>Isolated orange-brown stains</p> <p>Location :</p> <ul style="list-style-type: none"> • 2.5cm B x 24.7cm L • 26.5cm B x 13.5cm R • 33cm B x 15.5cm R • 32.5cm B x 10.0cm R • large liquid stain of same colour located over the inscription • on verso-liquid stains of same colour located at bottom centre in heavily cockled area <p>some grease stains are found at the rightmost side of the inscription</p>
Planar deformation	<p>Creases :</p> <p>The drawing has been folded in half, thus a prominent crease has formed down the centre. This runs the entire length of the drawing.</p> <p>There are also several prominent creases at the bottom of the drawing where it was folded. They run the entire width of the drawing.</p> <p>There is a large pleat in the paper which runs along the width of the entire left side of the paper. It is located 2/3 of the way down.</p> <p>There is a smaller pleat at the bottom centre located in the badly cockled area.</p> <p>Cockling :</p> <p>Subtle cockling is occurring over the entire surface of the paper. There is also more prominent cockling occurring in the bottom centre of the drawing.</p>
Holes, losses	<p>Holes :</p> <p>There are several 'pinholes' (~0.1cm in diameter) in the drawing.</p> <p>Locations :</p> <p style="padding-left: 40px;">2 in TLQ : 13.0cm T x 1.5cm L 14.5cm T x 2.0cm L</p> <p style="padding-left: 40px;">2 in TRQ : 15.5cm R x top edge 16.5cm R x top edge</p> <p>The orientation of these two sets of holes relative</p>

to one another suggest that they could have been the result of a staple.

- 13.5cm B x 3.0cm L
- 1,5cm B x 0.9cm L –in BL corner, possibly a tack hole

- 16.0cm B x 21.5cm R –in image area
- 14.5cm B x 21.5cm R –in image area
- 13.5cm B x 21.5cm R –in image area
- 13.5cm B x 29.0cm R -in image area

- 1.0cm B x 1.5cm R –BR corner, possible tack hole

- 23.3cm B x 6.0cm R
- 25.5cm B x 28.5cm L

losses :

There is one large loss in the T centre of the drawing. It measures 7.5cm high x 5.0cm wide at the widest point. It is located 2.0cm down from the top edge of the paper.

See diagram

Cuts, tears, splits

There are several edge tears.

Location :

L edge :

- 3,3cm T meas 2.2cm long
- 14.0cm T meas 1.0cm long
- 16.0cm B meas 0.5cm long
- 13.0cm B meas 3.5cm long
- 3.0cm B meas 1.0cm long
- 2.0cm B meas 0.5cm long

B edge :

- 8.5cm L meas 2.5cm long
- 6.0cm L meas 1.5cm long
- 15.0cm L meas 1.2cm long
- 22,0cm L meas 2.3cm long
- 28cm R meas 2.5cm long

R edge

- 4.0 cm B meas 7.0cm long

T edge :

- 2.0cm L meas 0.5cm long

	<ul style="list-style-type: none"> • 20.0cm L meas 5.0cm long • 23.0cm R meas 4.0cm long
Surface damage	none
Biological deterioration	None apparent
Surface soil	There is some soiling, but it mainly occurs as a result of the media being smudged as well as offset and transferred onto the adjacent side of the paper.
Hinge, tab, adhesive residue	none
Accretions	none

MEDIA:

The media is in good condition, however it has been smudged and offset onto the other side of the paper

SECONDARY SUPPORT:

No secondary support

Record of Tests

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Test for tear repair :

It was necessary to create a heat-set tissue for the tear repair, as the hydroscopic nature of the drafting paper would not allow for an aqueous treatment.

Bondina, a polyester webbing and Nylon Gossamer were both selected for the adhesive carrier.

The adhesives selected were Lascaux 498 HV and Lascaux 360HV.
The following combinations were tested with each of the carriers.

498HV 50% : water 50%

498HV 25% : 360HV 25% : water 50%

The Bondina and nylon gossamer were both cut into 5x5 cm squares, they were set out onto mylar, and the adhesives were brushed on with a bristle paintbrush.
They were also covered with an additional sheet of mylar to prevent adhesion of debris.

After each was tested, it was found that the 25 : 25 Lascaux 498HV and 360HV and water was still too tacky to use. It was decided that a mixture of 15% 360HV : 35% 498HV : 50% water would be best.

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Treatment Record

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date	Treatment	Time Spent
	Some graphite was used in order to match the surface of the drawing where media had been offset.	1 hour
April 11, 2005	The fill was inserted and adhered using the same nylon-gossamer heat-set method that was used for the tear repair. The heat set pieces were placed around the patch and the fill was heat set into place.	0.5 hours.