Complemetary information about 5 impregnated prepratory drawings belonging to Antonio Basoli's album 98, preserved at the Cabinet of Drawings and Prints of the Academy of Fine Arts in Bologna.

Below are reported images of the samples analyzed with their respective descriptions and analysis performed.

Multiband Imaging (MBI) and Hyperspectral Imaging (HSI)

1. Drawing 21

English production paper, with "J Watt & Co Patent Copying" watermark. This paper was produced at the end of the 18th century when James Watt patented the "Copying Machine," a copying machine for stationery and letters. The very light weight of the paper and the water-based impregnation treatment allowed the texts to be transferred through pressure. James Watt also used it to draw up his designs for the steam engine.

Dimensions: 248 x 392 x 0.05 mm.



Figure S1. Drawing 21.

2. Drawing 152

Paper of unknown origin, no watermarks or laid lines visible, therefore assumed to be industrially produced.

Dimensions. 350 x 265 x 0.06 mm.



Figure S2. Drawing 152.

3. Drawing 154

Laid paper bearing the PM watermark from Fabriano paper mill.

Dimensions: 375 x 267 x 0.10 mm.



Figure S3. Drawing 154.

4. Drawing 176

Lined paper bearing a watermark with a coat of arms.

Dimensions: 366 x 258 x 0.08 mm.



Figure S4. Drawing 176.

5. Drawing 178

Paper of unknown origin, no watermarks or laid lines visible, therefore assumed to be industrially produced.

Dimensions: 363 x 288 x 0.07 mm.

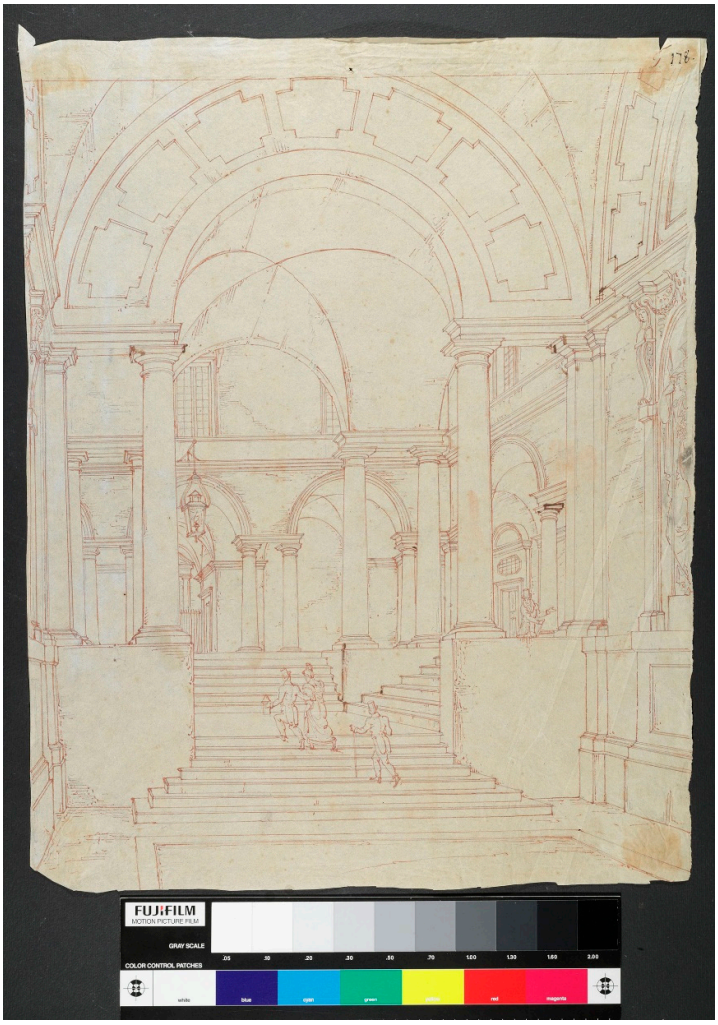


Figure S5. Drawing 178.

Reflectance Spectroscopy via Optical Fibers (FORS) and Ion Beam Analysis (IBA)

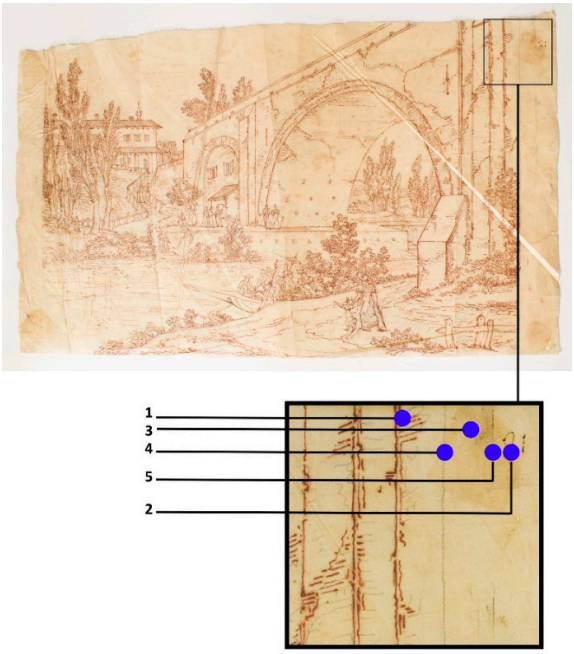


Figure S6. Measurement spots graphical representation on Drawing 21.

Table S1. Measurement spot description on Drawing 21.

Sample	Area of interest
21_1	Red-brown Ink
21_2	Black Ink
21_3	Paper support
21_4	Metalpoint
21_5	Intaglio Ink

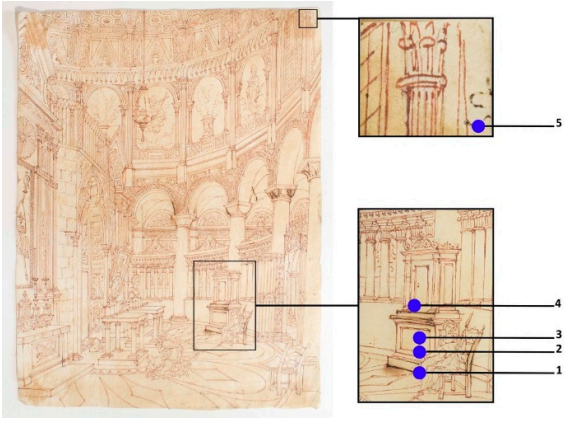


Figure S7. Measurement spots graphical representation on Drawing 152.

Table S2. Measurement spot description on Drawing 152.

Sample	Area of interest
152_1	Red-brown Ink
152_2	Red-brown Ink
152_3	Paper support
152_4	Red-brown Ink
152_5	Black Ink

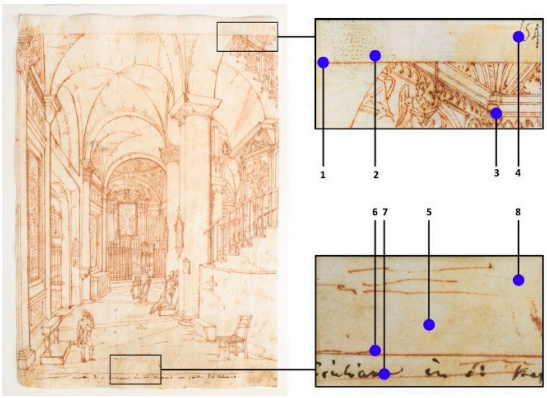


Figure S8. Measurement spots graphical representation on drawing 154.

Table S3. Measurement spot description on Drawing 154.

Sample	Area of interest
154_1	Red-brown Ink
154_2	Intaglio Ink
154_3	Red-brown Ink
154_4	Black Ink
154_5	Paper Support
154_6	Red-brown ink
154_7	Iron-gall Ink

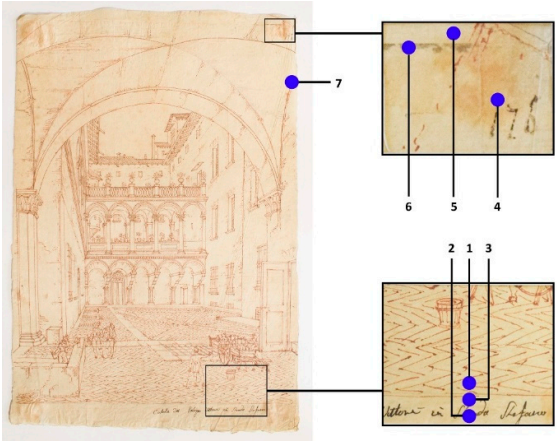


Figure S9. Measurement spots graphical representation on drawing 176.

Table S4. Measurement spot description on Drawing 176.

Sample	Area of interest
176_1	Red-brown Ink
176_2	Iron-gall Ink
176_3	Paper Support
176_4	Black ink
176_5	Paper Support
176_6	Intaglio Ink
176_7	Red-brown Ink

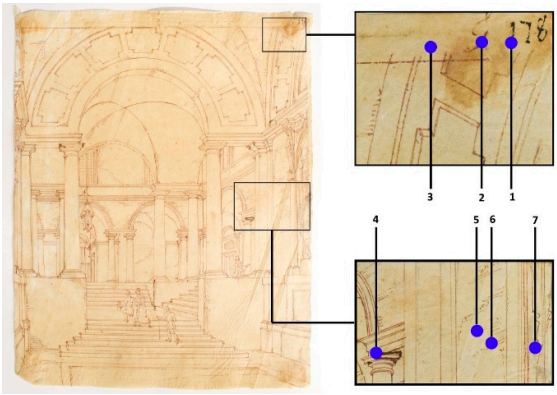


Figure S10. Measurement spots graphical representation on drawing 178.

Table S5. Measurement spot description on Drawing178.

Sample	Area of interest
178_1	Black Ink
178_2	Red-brown Ink
178_3	Paper Support
178_4	Red-brown Ink
178_5	Metalpoint
178_6	Red-brown Ink
178_7	Intaglio Ink

Scanning Electron Microscope and EDX and Fourier Transform Infrared Spectroscopy in Attenuated Total Reflectance

Sample 4A

Sample 4A came from a fragment of table 74 made of the same type of Drawing 22. This fragment was used for analysis on support and graphic media in order to avoid sampling on table 22.

Dimensions: 15 x 55 mm.



Figure S11. Sample 4A.

Sample 5A

Fragment collected from the lower right corner on Drawing 154 to study the paper support and the impregnating substance.

Dimensions: 2 x 3 mm



Figure S12. Sample 5A.

Sample 6A

Fragment collected from the lower right corner on Drawing 176 to study the paper support and the impregnating substance.

Dimensions: 5 x 1 mm.



Figure S13. Sample 6A.

Sample 7A

Fragment collected from the lower right corner on Drawing 152 to study the paper support and the impregnating substance.

Dimensions. 3 x 1mm.



Figure S14. Sample 7A.

Sample 8A

Fragment collected from the lower right corner on Drawing 178 to study the paper support and the impregnating substance.

Dimensions: 5 x 1 mm.



Figure S15. Sample 8A.