

EXHIBITION WORKS SPECIFICATION (2D)

Project: **Foe to Friend: The British Army in Germany since 1945**

Date: 17/02/20

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Exhibition production requirements and specifications for 2D Graphic, delivery & installation

Please provide itemised costings as specified in the Graphic Schedule (Appendix B), including fixings, installation and delivery.

Sizes included are for costing purposes only.

Artwork provided in Indesign and Illustrator CC 2019. Indesign files provided on artwork delivery with links and fonts packaged. PDF files supplied for reference only.

NOTES:

1. This document is not intended to be definitive and should be read in conjunction with the exhibition designer's drawings (NAM), the graphic designer's (NAM) tender package, and specifications and information provided by the NAM as part of the overall tender package.
2. All accompanying elevation drawings are to be printed and read in full colour to distinguish elements to be built by the 3D Contractor and the Graphic Contractor.
3. All images shown in the design drawings are draft place-holder images and the 2D schedule in the package should be referred to for full details of works.
4. Sampling, of every type and combination of substrate and process, will be required for both quality control and/or ODDY testing and should be included within the overall cost.

GRAPHIC TYPES

ET/ Exhibition Title

IN/ Exhibition Intro

WP/ Wallpaper graphic

PP/ Primary Panel

SP/ Secondary Panel

HP/ Highlight Panel

IP/ Image Panel

INT/ Interactive label

INS/ Instructional panel

LG/ Large Graphic

OL/ Object Label

OLR/ Object Label Rail

VYN/ Door vinyls

QU/ Quote panels

ACK/ Acknowledgements Panel

MFO_L/ MFO box lid graphic

MFO_F/ MFO box front graphic

MFO_Cap/ MFO box caption graphic

FLIP/ Flip book

BRIX/ Brixmis panel

*This list of graphics types is subject to client approval and may change

2D / 3D CO-ORDINATED ITEMS: SEQUENCE & HANDLING

Panels should be prepared for graphic application in accordance with the 3D specification by 3D contractor.

Responsibility of 3D contractor to deliver prepared panels from site to 2D contractor in perfect condition:

- No damaged corners
- No visible marks to include finger prints
- Correct sizes to receive print
- Contractor to wear gloves and handle panels with care at all times
- Panels to be wrapped and protected with corner protectors when left unattended

Responsibility of 2D contractor to check all panels on delivery for suitability of finish, size and condition prior to printing and report any problems immediately.

Responsibility of 2D contractor to deliver printed panels back to site in perfect condition:

- No damaged corners
- No visible marks to include finger prints
- Contractor to wear gloves and handle panels with care at all times
- Panels to be wrapped and protected with corner protectors when left unattended

Responsibility of 3D contractor to check all panels on delivery back to site for condition prior to installation and report any problems immediately.

3D contractor to install all 2D/3D co-ordinated panels on-site.

Please read **all** 2D tender documents in conjunction with 3D tender documents (**Appendix F**) for full specifications and drawings .

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6. HI-RES direct to Media Digital Prints (DTM) to SAV matt vinyl with 1mm AR perspex lamination
7. HI-RES digital SAV Phototek wallpaper or similar
8. Applied Vinyl + HI-RES Digital Print + CNC Routing/cutting

Direct to Media printing specification guidelines ET/PP/SP/HP/BRIX/INT

1. HI-RES direct to Media Digital Print (DTM) to 3mm Digital White Dibond

Usage: print direct to 3mm Digital White Dibond used across all galleries and individual exhibits.

Detail:

- FUJI Acuity Advance or equivalent printing machine.
- With spot white and UV spot varnish capability bed size (2020MM x 3200MM) max depth of substrate 48mm.
- UV curable inks including spot white (ODDY test approved).
- Spot White ink capacity
- Internal and external grade prints up to substrate thickness of 48mm.

Print finish

Detail:

Print to be even, solid print viscosity, free from nozzle-clogging lines and well registered. Dibond panel to be free from finger-marks and dust when recieved. Edges to be smooth and free from burr. Corners to have radiused edges (5mm) to avoid sharp edges. ET Dibond panels to have V-Groove CNC to reverse and bent to shape (see ET drawing in **Appendix E**).

Direct to Media printing specification guidelines / IN

2. HI-RES Direct to Media Digital Print (DTM) to Painted MDF with Spot white ink

Usage: print direct to painted MDF and used across all galleries and individual exhibits.

Detail:

- FUJI Acuity Advance or equivalent printing machine.
- With spot white and UV spot varnish capability bed size (2020MM x 3200MM) max depth of substrate 48mm.
- UV curable inks including spot white (ODDY test approved).
- Spot White ink capacity
- Internal and external grade prints up to substrate thickness of 48mm.

MDF/Paint finishes

Detail:

All painted finishes to MDF panels receiving direct to substrate graphic images should also be treated with 1no. coat Dulux Trade Quick Drying MDF Primer Undercoat prior to 2no. coats of Dulux Trade Matt Paint to be applied in accordance with the manufacturer's instructions.

All exposed edges of MDF to be sealed with drywall jointing compound liberally applied by hand, and after drying, sanded down to provide a smooth finish prior to application of painted finish.

Direct to Media printing specification guidelines / MFO L / MFO F

3. HI-RES Direct to Media Digital Print (DTM) to Plywood

Usage: print direct to MFO box plywood and used across all galleries and individual exhibits.

Detail:

- FUJI Acuity Advance or equivalent printing machine.
- With spot white and UV spot varnish capability bed size (2020MM x 3200MM) max depth of substrate 48mm.
- UV curable inks including spot white (ODDY test approved).
- Spot White ink capacity
- Internal and external grade prints up to substrate thickness of 48mm.

Plywood finishes

Detail:

All edges of plywood to be smooth and cut to size prior to DTM.

Direct to Media printing specification guidelines OLR / OL / ACK

4. HI-RES direct to Media Digital Prints (DTM) to 1200 micron Colour Mount black card

Direct to Media Digital Prints (DTM) to 1200 micron Colour Mount black card

Usage: print direct to black card and used across all galleries and individual exhibits.

Detail:

- FUJI Acuity Advance or equivalent printing machine.
- With spot white and UV spot varnish capability bed size (2020MM x 3200MM) max depth of substrate 48mm.
- UV curable inks including spot white (ODDY test approved).
- Spot White ink capacity
- Internal and external grade prints up to substrate thickness of 48mm.

Detail:

Produce shapes with smooth flat faces, sharp corners, precisely formed lines and profiles, free from pits, scale, and holes and other defects. Backed with ODDY approved black forex where specified in **Appendix B**.

Direct to Media printing specification guidelines / IP

5. HI-RES UV Digital Mimaki inkjet digital print to 188gsm Hahnemuhle Photo Rag paper

HI-RES UV Digital Mimaki inkjet digital print to 188gsm Hahnemuhle Photo Rag paper

Usage: Print direct to Hahnemuhle paper and use across all galleries and individual exhibits.

Detail:

- MIMAKI or equivalent Hi-Res inkjet printing machine.
- Sheet feed/roll capacity.
- UV curable inks (ODDY test approved).

Detail:

Print to be even, solid print viscosity, free from nozzle-clogging lines and well registered.

Backed with ODDY approved black forex where specified in **Appendix B**.

Direct to Media printing specification guidelines / FLIP

6. HI-RES UV Digital Mimaki inkjet digital print to SAV matt vinyl, backed-up with SAV matt vinyl

HI-RES UV Digital Mimaki inkjet digital print to SAV matt white vinyl

Usage: Print direct to SAV matt white and back-up with SAV matt white with 1mm AR clear acrylic mounted to front and back to create laminated sandwich — across all galleries and individual exhibits.

Detail:

- MIMAKI or equivalent Hi-Res inkjet printing machine.
- Sheet feed/roll capacity.
- UV curable inks (ODDY test approved).
- 1mm AR clear Acrylic sandwich to front and reverse of backed-up print

Detail:

Print to be even, solid print viscosity, free from nozzle-clogging lines and well registered.

7. HI-RES digital SAV Phototek wallpaper or similar

Usage: large scale image backdrops whereby an exhibit will need to span a large area and retain a high-resolution, quality digital colour image with continuous tone.

Detail:

- LED Vutek GS3250 LX Pro spot white and LED capability, max width 3100mm wide x pro max depth of substrate 48mm.
- Where possible, wallpaper to be applied in one drop without seams.
- Seamless joining of wallpaper drops where necessary with hot-knife on site with sealed edges to prevent pick-ability.
- Lightfast inks to withstand daily sunlight for 10yrs without fading.
- High quality, high-resolution digital print of 1440dpi.
- Sealed to allow daily cleaning and protect print from damage.
- All MDF panels and setwork walls to be are to be filled and sanded (no panel gaps) and made smooth prior to application using finished with even paint finish underneath by 3D contractor using Zinsser to seal.

Graphic wallpaper to be supplied and installed by 2D Contractor.

8. Applied Vinyl + HI-RES Digital Print + CNC Routing/cutting

Usage: on-site directly applied to any structure or setwork wall unable to move off-site. Also used on existing walls or curved surfaces. All surfaces to be prepared to a smooth finish with appropriate base paint/sealed finish to bond vinyl to.

Detail:

- K74500 Series High tack, cast vinyl.
- 60 microns.
- 6–8 yr life.
- Matt opaque finish.
- Match to PMS colours specified if printing to white vinyl or similar within range of coloured vinyl.
- Lightfast inks to withstand daily sunlight for 10yrs without fading.
- High quality, high-resolution digital print of 1440dpi.
- Sealed to allow daily cleaning and protect print from damage.

CNC Routing/cutting

Usage: general cutting and routing of shapes.

Detail:

Produce shapes with smooth flat faces, sharp corners, precisely formed lines and profiles, free from pits, scale, and holes and other defects.