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National Gallery of Canada

Temporary Works for sloped sill project – Canadian Galleries Mezzanine and Great Hall Stairs (S16) sloped sill upgrades

General Design Requirements

July 2018

Issued for Tender

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Contents

1. General requirements

- 1.1 Introductory description
- 1.2 Maintenance of existing entry and exit routes
- 1.3 Lighting requirements
- 1.4 Protection of artworks
- 1.5 Contractor's personnel access point
- 1.6 Maintenance of existing fire routes

2. Interior hoarding

- 2.1 Design requirements
- 2.2 Emergency exiting
- 2.3 Protection of the existing building fabric, services, etc.
- 2.4 Other service requirements
- 2.5 Access door requirements
- 2.6 Art, graphic and signage installations

3. Shop Drawings

- 3.1 Requirement for shop drawings

1. General requirements

1.1. Introductory description

1.1.1. As part of the Canadian Galleries Mezzanine and Great Hall Stairs (S16) sloped sill upgrades project, the National Gallery of Canada wishes to have erected, maintained and disassembled interior hoardings and other temporary works as further described in the following information.

1.1.2. The interior hoarding will provide protection to the public during the works and allow the Gallery to continue to operate during the works. In addition the interior temporary works provide the contractor and Client/consultants with all necessary access and protection for the performance of all of the work described in the Invitation to Tender. The hoarding may be used by the Client for the installation of artworks, marketing materials or wayfinding.

1.1.3. The design of the temporary works will be the responsibility of the contractor subject to all of the parameters defined in this section of the Invitation to Tender prepared by Tim Davis Design Inc., the accompanying drawings and any other requirements specified by the Client in the Invitation to Tender.

1.1.4. In addition to the solid hoardings and other requirements shown in the drawings the contractor shall provide either a fixed or movable enclosure on the contractor's side of the solid hoarding to contain all dust generated by the works. This enclosure may be lightweight in nature and of materials of the contractor's choice, providing it is not visible from the public sides of the solid hoardings.

1.2. Maintenance of existing entry and exit routes

1.2.1. The detailed design of the hoardings and any other works must preserve all of the existing entry and exit routes, except for the parts of the Canadian Galleries mezzanine which are not required for access between the elevators and the Canadian Galleries (as indicated on drawing 1255-02).

1.3. Lighting requirements

1.3.1. The contractor shall provide sufficient, 3000K temperature lighting within the work area for safe performance of the work. There are no other lighting requirements for the temporary works.

1.4. Protection of artworks

1.4.1. A number of artworks are located in and around the Gallery, on and close to land forming part of the Gallery. No damage to any artworks shall occur as a result of any part of the temporary works or other works described in any part of this Invitation to Tender.

1.4.2. The contractor shall undertake a review of all artworks located in and around the area of work, material delivery routes, etc. and if the contractor is in

doubt about any issue relating to artworks these shall be discussed with the Project Officer.

1.4.3. The Client will undertake their own protection of any works of art within or near the areas of work as necessary.

1.5. Contractor's personnel and material access point

1.5.1. The contractor's personnel shall use the tour group entrance for access as indicated on drawing 1255-01.

1.5.2. Materials are to be delivered during Gallery off-hours. Entryway sills, floor grilles, flooring, doors and frames, etc. are to be protected by the contractor.

1.6. Maintenance of existing fire routes

1.6.1. The contractor shall note that there is an existing paved 5m fire route at the South West of the Great Hall. Please note that this fire route serves not only the National Gallery of Canada but also other adjacent properties. This fire route and adequate access to it must be maintained at all times.

1.6.2. Refer to NCG tender documents for additional information regarding fire routes.

2. Interior hoarding

2.1. Design requirements

2.1.1. The basic arrangement of the required interior hoarding is shown on drawings 1255-02 and 1255-03.

2.1.2. All supporting elements are to be located on the contractor's side, concealed behind the plywood finish.

2.1.3. The public side of all solid hoardings and solid vertical barriers shall consist of plywood sanded good one side, minimum 3/4" thick, which shall be adequately supported to provide smooth straight planes. The plywood shall be new material free from any damage on the finished side and on exposed edges. Fixings to the support structure shall be by means of nails and screws as required to prevent bowing, or other suitable means subject to the approval of the Client. All screws are to be flat head, countersunk and filled to match plywood. All visible fixings shall be of the same type and colour, and the proposed fixings shall be approved by the Client ahead of installation. For clarity there shall be no exposed structure within the public area. All visible or exposed edges and any exterior corners formed with plywood shall be sanded smooth and finished, there shall be no danger of splinter injury to the public from the plywood.

2.1.4. The finish to the public sides of the plywood hoardings and all exposed edges shall consist of a minimum of 1 coat of water-based clear primer / sealer

with a minimum of 1 coat of water-based clear finish, sanded between coats, with additional coats as necessary to bring the finish to a uniform and consistent appearance. Sheen to be specified by NGC.

2.1.5. Exposed / visible edges of plywood hoardings are to be minimized, particularly on prominent vertical faces. Locations of exposed edges are to be indicated on shop drawings and shall be approved by the Client ahead of installation.

2.2. Emergency exiting

2.2.1. The contractor is to provide sufficient numbers and widths of emergency exit doors from work areas to comply with all relevant health and safety legislation. Swings of exit doors shall not endanger members of the public or workers on the opposite side of the door. Locations for all doors shall be clearly indicated within the shop drawings.

2.3. Protection of the existing building fabric, services, etc

2.3.1. The interior temporary works must not in any way permanently mark, be mechanically anchored to or in any other way create any permanent damage to the existing structure, fabric, finishes, services or any other element of the existing building which will remain after the removal of the temporary works.

2.3.2. Any site finishing required for the interior temporary works must be carried out in such a manner that there is no possibility whatsoever of materials being applied to the existing concrete, stone and other finishes of the interior of the gallery.

2.3.3. The Donor Wall and Foundation wall will either be removed or protected by others for the duration of the sloped sill work and nothing is required for these under this contract.

2.4. Other service requirements

2.4.1. The contractor is to provide a record of the existing duct conditions, including photos, prior to commencement of the works. Following the Client's approval of the condition report, the contractor shall seal the ducts for the duration of the project. Removal of the protection shall take place at the end of the works and the timing is to be agreed with the Client.

2.4.2. Security cameras, motion detectors and door contacts may be installed by the Client's own third party contractor at various locations in and around the temporary works. The contractor will be required only to coordinate with the Client and the security contractor and provide access for installation of the devices.

2.5. Access door requirements

2.5.1. Doors within hoarded areas visible to the public shall be plain flush doors with plywood faces to match the hoardings with the same finish and shall be fitted with plain $\frac{3}{4}$ " x $3 \frac{1}{2}$ " clear poplar for paint trims, clear finished as per the hoarded areas in which they occur.

2.6. Art, graphic and signage Installations

2.6.1. Any art or graphics to be installed on the visible faces of hoardings will be installed by the Client's own forces or separate contractors hired by the Client.

2.6.2. Temporary wayfinding signage may be installed by the Client's own forces or separate contractors hired by the Client.

2.6.3. The contractor is to coordinate all construction signage with the Client.

3. Shop Drawings

3.1. Requirement for shop drawings

3.1.1. Shop drawings for all of the temporary works shown in the accompanying drawings and described in this document shall be signed and stamped by the contractor and their engineering representative and provided for the Client's approval in accordance with the general conditions of this Invitation to Tender.

(end)