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National Gallery of Canada

NGC Temporary Works Phase 3 – Window replacements and guardrail
modifications, Colonnade and Main Entrance

General Design Requirements

March 2017

Issued for Tender

National Gallery of Canada

NGC Temporary Works Phase 3 – Window replacements and guardrail modifications, Colonnade and Main Entrance

General Design Requirements

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1. Exterior and interior hoardings

1.1. Introductory description

1.1.1. As part of the Colonnade and Main Entrance glazing replacement project, the National Gallery of Canada wishes to have erected, maintained and dissembled interior and exterior hoardings and other temporary works as further described in the following information.

1.1.2. The exterior hoarding will provide the contractor and the Client/consultants with all necessary access and protection for the performance of all of the work described in the Invitation to Tender.

1.1.3. 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 to the protected route the interior temporary works will also consist of interior scaffolding to the work areas sufficient to 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 and associated testing and also the cyclical maintenance to be performed by the Client's own forces/separately hired contractors as described further below. The protected route may be used by the Client for the installation of artworks, marketing materials or wayfinding.

1.1.4. 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 the engineering parameters defined in the structural engineering drawings and specification prepared by Cleland Jardine Engineering and any other requirements specified by the Client in the Invitation to Tender.

2. Exterior hoarding

2.1. Design requirements

2.1.1. Existing location plan and general arrangement drawings are provided for the contractor's general reference, drawings 1197-01 to 1197-05. All critical dimensions and other information are to be verified by the contractor on site as part of the contractor's design process.

2.1.2. The general allowable perimeter of the exterior hoarding is as shown on drawing 1197-11. The finalized perimeter is to be proposed by the contractor to suit the site conditions, work space required, etc.

2.1.3. The supporting structure can be made up of scaffolding or sections of rigid construction fencing. All supporting elements are to be of a single consistent grey finish; clear anodized, galvanized or grey paint or similar to the Client's approval. The proposed finish shall be stated in the tender return. The proposed method and finish are to be indicated in the shop drawings and samples shall be provided to

the Client for approval.

2.1.4. The entire outer perimeter and all vertical and horizontal surfaces of public corridors (ie all areas which will be visible to the public) are to be finished with ¾" thick plywood sheets, sanded good one side and painted Benjamin Moore 2126-50 Gray Timber Wolf, sheen to be specified by NGC. Plywood sheets shall be butt jointed to each other, no gaps will be permitted between sheets. These shall be finished with one coat of suitable primer and a minimum of 1 coat of latex finishing paint, with additional coats as necessary to bring the finish to a uniform and consistent colour and appearance.

2.1.5. Any required guards, edge protection, etc are to comply with all applicable safety codes and standards.

2.1.6. The perimeter hoarding shall remain in place for the duration of the works. The supporting structure shall not be exposed without the plywood finish for any length of time longer than is necessary for disassembly.

2.2. Maintenance of existing entry and exit routes

2.2.1. The detailed design of the exterior hoarding and any other works must preserve all of the existing entry and exit routes shown on drawing 1197-11.

2.3. Protection of the existing building fabric and services, lightning protection

2.3.1. The exterior 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 or landscaping which will remain after the removal of the temporary works.

2.3.2. The shop drawings for temporary works shall contain details of any necessary lightning protection certified by a professional engineer licensed to practice in the Province of Ontario.

2.3.3. Refer to NCG tender documents for exterior loading restriction information.

2.4. Lighting requirements

2.4.1. The contractor shall provide lighting within the 3 covered public corridors shown on drawing 1197-11.

2.4.2. In the covered public corridors leading to the Main Entrance and the Emergency Exits the contractor is to supply and install light fixtures to meet the following requirements: wall-mounted sconce We-ef QLS420 LED 3000K, symmetric, medium beam, grey metallic finish, or direct equivalent to Client's approval, spaced as needed to allow for even lighting at floor (20 min, 40 max lux lighting at night) 80 CRI minimum, frosted lens, for damp/wet locations. Height to be lower than 4' AFF, exact height to be determined on site with Client. Minimum

size of fixtures to be 9" tall x 6" wide

2.4.3. In the covered public corridor leading to the parking garage supplementary temporary lighting will only be required if the existing wall mounted lights will be covered by the supporting structure. If lights are required in this area they shall be identical to those provided for the public corridors noted above and they shall be supplied and installed by the contractor.

2.4.4. Temporary lighting within the work area need only be provided as required to permit performance of the contractor's work and to meet any applicable safety standards, there is no requirement to light the area within the perimeter hoarding for aesthetic purposes.

2.4.5. Wiring and switching requirements will be specified by the Electrical Engineer and the Client.

2.5. Protection of exterior artworks

2.5.1. A number of artworks are located 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.

2.5.2. The contractor shall undertake a review of all artworks located exterior to the gallery and if the contractor is in doubt about any issue relating to exterior works these shall be discussed with the Project Officer.

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

2.6. Security access point

2.6.1. To be confirmed by the Client following award of the contract.

2.7. Maintenance of existing fire routes

2.7.1. 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 it it must be maintained at all times.

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

2.8. Marketing Banners

2.8.1. The marketing banner at the southern Main Entrance will be removed for the duration of the work by the Client's third party trade.

2.8.2. The marketing banners along the Ramped Colonnade will generally remain in place for the duration of the work however they will be removed temporarily to facilitate the glazing work.

2.8.3. The removals and reinstallations of the marketing banners will be carried out by the Client's third party trades. The contractor is to ensure sufficient space is available to the third party contractors to carry out this work.

3. Interior hoarding

3.1. Design requirements

3.1.1. The basic arrangement of the required interior hoarding is shown on drawings 1197-14 to 1197-21.

3.1.2. The sloped sill work will be carried out within a shorter timeline than the glazing work as indicated in the tender documentation. The sloped sill work area hoardings shall therefore be independent of the hoardings related to the glazing work, such as the hoardings around the columns, so that these can be removed ahead of completion of the glazing work. Upon removal of the hoardings relating to the sloped sill work the remaining hoardings shall have the same standard of appearance as the original requirements, ie there shall be no unfinished areas or areas damaged by previous fixings after removal of the sloped sill hoardings. The dust barrier to the top of the sloped sill work area is permitted to be finished in line with the solid or translucent hoarding requirements noted below.

3.1.3. All supporting elements including those specified by Cleland Jardine Engineering are to be a consistent finish; clear anodized, galvanized or grey paint or similar to the Client's approval. The proposed finish shall be stated in the tender return. The proposed method and finish are to be indicated in the shop drawings and samples shall be provided to the Client for approval.

3.1.4. 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. Fixings to the support structure shall be by means of countersunk screws driven to have their heads flush with the plywood surface or other suitable means subject to the approval of the Client/Tim Davis Design Inc. (all screw heads to be painted in with wall surface). For clarity there shall be no exposed structure within the interior of the public areas and any isolated structural supports within the public areas shall be enclosed in the same way. Any exterior corners formed with plywood within the protected route shall be sanded smooth and painted as above, there shall be no danger of splinter injury to the public from the plywood. Upon removal of the sloped sill hoardings the remaining adjacent hoardings are to be touched up or refinished as necessary to maintain a uniform and consistent colour and appearance.

3.1.4.1. There shall be two types of finishes for solid hoardings, locations for each will be confirmed by the Client prior to construction:

3.1.4.1.1. Type 1: one coat of suitable primer and a minimum of 1 coat of latex finishing paint, with additional coats as necessary to bring the finish to a uniform and consistent colour and appearance. The colour shall be Benjamin Moore 2126-50 Gray Timber Wolf, sheen to be specified by NGC.

3.1.4.1.2. Type 2: a minimum of 1 coat of water-based clear finish, with additional coats as necessary to bring the finish to a uniform and consistent appearance. Sheen to be specified by NGC.

3.1.5. All **translucent** hoardings and vertical barriers shall be priced two ways:

3.1.5.1. Option 1: White coloured mesh of the Contractor's choice which on its own meets all of Cleland Jardine Engineering's loading and performance specifications, stretched tight, 25-35% translucence, subject to the Client's approval. The material shall be stretched tight and adequately supported to provide smooth straight planes and shall be fixed in place in a way that will not affect the flat, smooth appearance, ie no puckering or sagging will be accepted. The material shall be new material free from any damage or defects on the finished side. A minimum 5' x 5' sample of the material plus a minimum 12' x 8' mockup of the stretched material, using the same method of stretching which is proposed for the final installation, shall be provided to the Client prior to ordering. There shall be no structure on the side of these barriers visible to the public. The contractor should allow for periodic re-tightening of any areas of material which become saggy or loose during the duration of the works and for replacing any sections which are torn or cut during the works.

3.1.5.2. Option 2: Valmex Print Super Mesh FR by Mehler TexNologies, product no. 7523 5300, white colour, 20% openness, 30% translucence, installed on the public side plus debris netting, white colour, to meet the minimum requirements outlined by Cleland Jardine Engineering, on the non-public side immediately behind the Valmex mesh. The materials shall be stretched tight and adequately supported to provide smooth straight planes and shall be fixed in place in a way that will not affect the flat, smooth appearance, ie no puckering or sagging will be accepted. The materials shall be new, free from any damage or defects on the finished side. A minimum 5' x 5' sample of each material plus a minimum 12' x 8' mockup of the stretched materials, using the same method of stretching which is proposed for the final installation, shall be provided to the Client prior to ordering. There shall be no structure on the side of these barriers visible to the public. The contractor should allow for periodic re-tightening of any areas of material which become saggy or loose during the duration of the works and for replacing any sections which are torn or cut during the works.

3.1.6. For clarity, no base plates, spreaders, or any other items shall project beyond the finished line of the hoardings and barriers discussed above.

3.1.7. The finished ceiling in the public areas shall meet the following requirements: white coloured, rigid PVC or similar, grid free ceiling system with removable panels approximately 12" wide x 12' to 16' long, MP Global Product's Zip-Up Ceiling System for interior applications or equivalent to the Client's approval (see drawing 1227-21 for layout required). A minimum 12' x 8' mockup of the assembled ceiling system shall be provided to the Client prior to ordering. Note that any lights or other fixtures are to be supported independently of the ceiling system.

3.1.8. All hoardings, barriers and overhead protection shall be designed to meet the requirements specified by Cleland Jardine Engineering.

3.2. Emergency exiting

3.2.1. 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.

3.3. Protection of the existing building fabric, services, desks and artworks

3.3.1. 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.

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

3.3.3. The contractor shall completely protect the membership and reception desks and all remaining associated furniture for the entire duration of the works. The protection shall consist of a minimum of 2" of absorptive material (foam insulation or similar) covered with ½" plywood to all vertical and horizontal surfaces, all covered with plastic sheeting to prevent dust entry. No other parts of the temporary works shall be supported on or touch against the protection to the desk and associated furniture.

3.3.4. The contractor shall protect the existing smoke beam devices sufficiently to ensure that they cannot be damaged or become misaligned by being stepped on.

3.3.5. The Client will undertake their own removal or protection of any sculptures within or in proximity to the areas of work.

3.4. Scaffolding requirement for cyclical maintenance and other activities

3.4.1. In addition to the protected route the interior work will also consist of interior scaffolding to the work areas sufficient to 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 and associated testing and also the cyclical maintenance to be performed by the Client's own forces / separately hired contractors.

3.4.2. The glazing consultant for the project will require full access for testing to every part of the interior surface of the replacement glazing which must be facilitated by the temporary works provided by the contractor as part of this

contract.

3.4.3. The cyclical maintenance to be performed by the Client's own forces and separately hired contractors is shown on the Client's five drawings included within the documentation. The interior scaffolding must provide all necessary access for the activities shown on these drawings and must remain in place for the entire duration of the works.

3.4.4. All scaffolding elements are to be the same consistent finish as the hoarding supporting structure.

3.5. Lighting requirements

3.5.1. The contractor shall provide on the ceiling of the public area the lighting tracks and fixtures shown on drawing 1197-21 at the locations indicated.

3.5.2. In the Entrance Pavilion the contractor is to supply and install the specified tracks only, the Client will provide their own light fixtures from their inventory of fittings and install these on the tracks. The tracks shall be installed continuously. The tracks shall be new and shall be carefully installed and removed at the end of the works and turned over to the Project Officer. The tracks will become the property of the Client at the end of the project.

3.5.3. In the Colonnade the contractor shall supply and install light fixtures to meet the following requirements: Asymmetric pendant upright fixture, positioned as shown on drawing 1197-21 or as required to meet other requirements specified herein. HID or LED fixture (3000K), 80 CRI minimum, white finish, to allow for even lighting at floor (20 min, 40 max lux lighting at night). Light level studies at floor to be performed and presented to Client for approval. Height from ceiling to be constant, length of fixture to not exceed 3'. Direction of upright as shown on drawing 1197-21. Fixtures to be Elliptipar, Style S136 (LED version) or Style 104 (metal halide version) or direct equivalent to Client's approval.

3.5.4. Wiring and switching requirements will be specified by the Electrical Engineer and the Client.

3.6. Other service requirements

3.6.1. Smoke detectors will be installed by the Client's own fire safety contractor. Two levels of smoke detectors will be installed, on the ceiling within the public area and in the void area between this ceiling and the scaffolding. The contractor will be required only to coordinate with this fire safety contractor and provide access for installation of the devices.

3.6.2. Existing public Wi-Fi AP's within the work area will be removed by the Client's own contractors. The contractor may be required to coordinate with this contractor and provide access for removals.

3.6.3. Security cameras, motion detectors and door contacts will be installed by the Client's own third party contractor at various locations in within the temporary

works. The contractor will be required only to coordinate with this security contractor and provide access for installation of the devices.

3.7. Access door requirements

3.7.1. The permitted access points between the exterior and interior work areas are shown on drawing 1197-14. All surrounding finishes (mullions, metal grilles, etc.) must be adequately protected. Temporary items cannot be fixed in any way that will damage the existing building.

3.7.2. All temporary exterior doors shall be steel doors with cutouts for deadbolts and passage sets. All doors will be keyed by the Client's own locksmith. Deadbolts will be keyed to Medeco and passage will be keyed to Sargeant.

3.7.3. All temporary interior doors shall be used for emergency exit purposes only and shall not be used to enter the interior work area.

3.7.4. All temporary interior doors shall be wood with cutouts for deadbolt and passage set. All doors will be keyed by the Client's own locksmith. Deadbolts will be keyed to Medeco and passage sets will be keyed to Sargeant.

3.7.5. Any double doors shall have adequate hardware to secure the swing leaf plus a full length astragal to prevent tampering with locks.

3.7.6. All interior and exterior doors shall be finished with one coat of suitable primer and a minimum of 1 coat of latex finishing paint, with additional coats as necessary to bring the finish to a uniform and consistent colour and appearance. The colour shall be Benjamin Moore 2126-50 Gray Timber Wolf, sheen to be specified by NGC.

3.7.7. Doors facing into the Ramped Colonnade required for emergency exiting from the hoarded enclosure shall not be fitted with handles on the public side.

3.7.8. All hardware shall be brushed stainless steel finish.

3.7.9. Doors within hoarded areas shall be fitted with plain $\frac{3}{4}$ " x 3 $\frac{1}{2}$ " clear poplar for paint trims, painted as per the hoarded areas in which they occur.

3.8. Art, graphic and signage installations

3.8.1. No part of the interior temporary works will in itself be an art installation unless otherwise specified by the Client. Any art or graphics to be installed on the interior face of the public area or at any other location will be installed by the Client's own forces or separate contractors hired by the Client.

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

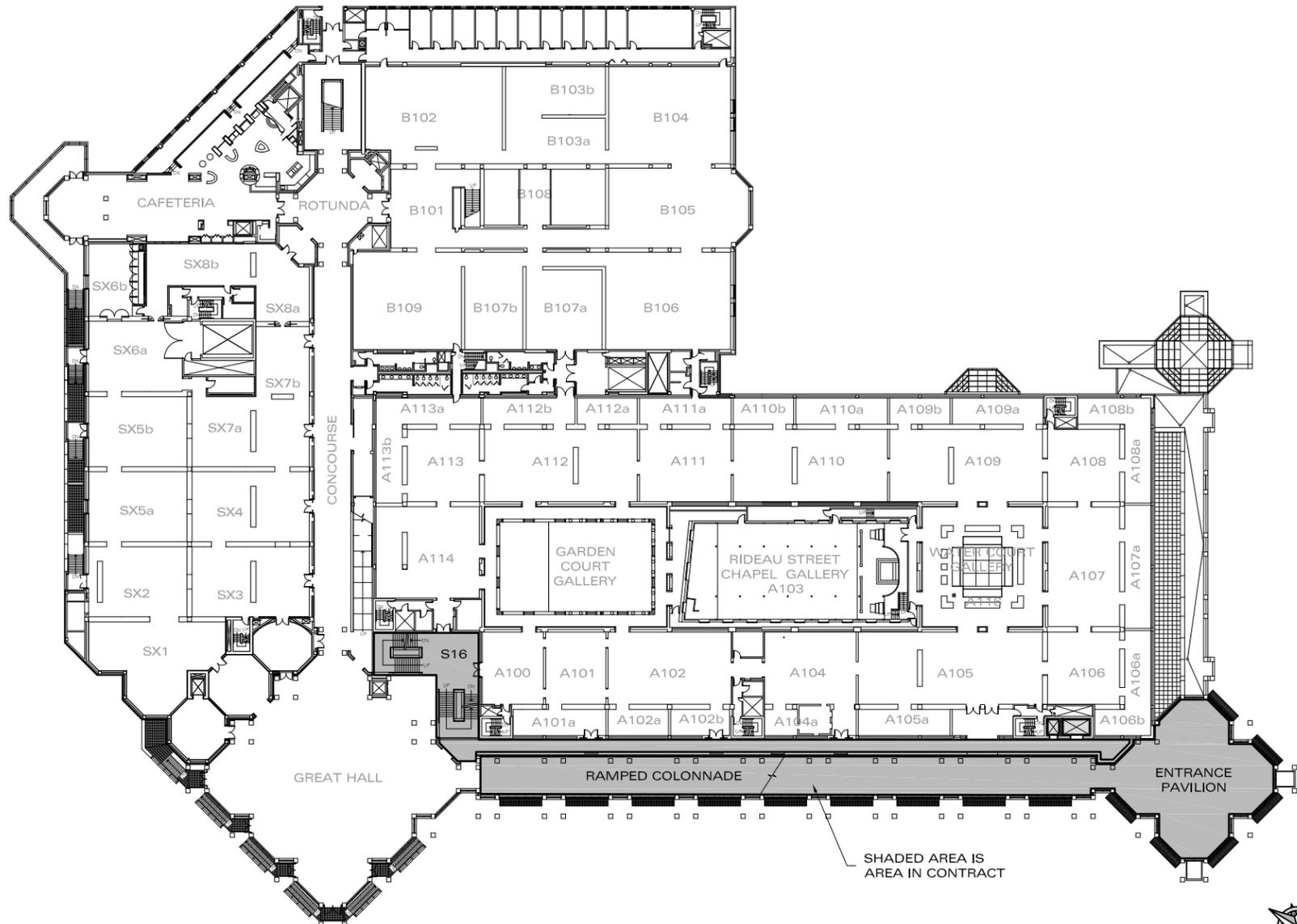
3.8.3. The contractor is to coordinate all construction signage with the Client.

4. Shop Drawings

4.1. Requirement for shop drawings

4.1.1. Shop drawings for all of the temporary works shown in the accompanying drawings and described in this document shall be provided for the Client's approval in accordance with the general conditions of this Invitation to Tender, signed and stamped in accordance with the instructions contained in the structural engineering requirements prepared by Cleland Jardine Engineering.

(end)



KEY PLAN, LEVEL 4000
NOT TO SCALE



**National Gallery Musée des beaux-arts
of Canada du Canada**

TEMPORARY WORKS FOR
COLONNADE & MAIN ENTRANCE
WINDOW / ROOF REPLACEMENT
AND SLOPED SILL

COVER PAGE WITH KEY PLAN	1197-01
EXTERIOR DRAWINGS AS EXISTING	
PARTIAL SITE PLAN AS EXISTING	1197-02
PARTIAL SOUTH ELEVATION AS EXISTING	1197-03
PARTIAL EAST ELEVATION AS EXISTING	1197-04
PARTIAL ROOF PLAN AS EXISTING	1197-05
INTERIOR DRAWINGS AS EXISTING	
LEVEL 3000 (ENTRANCE LEVEL) PLAN AS EXISTING	1197-06
LEVEL 4000 (GREAT HALL LEVEL) PLAN AS EXISTING	1197-07
LEVEL 6000 PLAN AS EXISTING	1197-08
BASIC SECTION B-B (WEST-EAST) AS EXISTING	1197-09
BASIC SECTION C-C (SOUTH-NORTH) AS EXISTING	1197-10
EXTERIOR DRAWINGS AS PROPOSED	
PARTIAL SITE PLAN AS PROPOSED	1197-11
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PARTIAL EAST ELEVATION AS PROPOSED	1197-13
INTERIOR DRAWINGS AS PROPOSED	
LEVEL 3000 (ENTRANCE LEVEL) PLAN AS PROPOSED	1197-14
LEVEL 4000 (GREAT HALL LEVEL) PLAN AS PROPOSED	1197-15
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BASIC SECTION A-A (EAST-WEST) AS PROPOSED	1197-17
BASIC SECTION B-B (WEST-EAST) AS PROPOSED	1197-18
BASIC SECTION C-C (SOUTH-NORTH) AS PROPOSED	1197-19
BASIC SECTION D-D (NORTH-SOUTH) AS PROPOSED	1197-20
REFLECTED CEILING PLAN WITHIN COVERED PUBLIC AREA	1197-21
LEVEL 6000 DETAILS AS PROPOSED	1197-22

NOTES

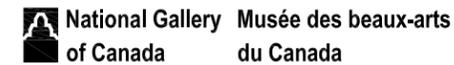
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3. Tim Davis Design Inc assumes no liability whatsoever for any work shown on this or any other drawing in the event of a client proceeding with work ahead of obtaining a legally required building permit.

REVISIONS

- Rev A 2016.10.13 Client review
- Rev B 2016.10.14 Circulation prior to stakeholder meeting
- Rev C not used
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT



PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Cover page with key plan

JOB No

1197

DRWG No

1197-01'G'

DATE

Sep 2016

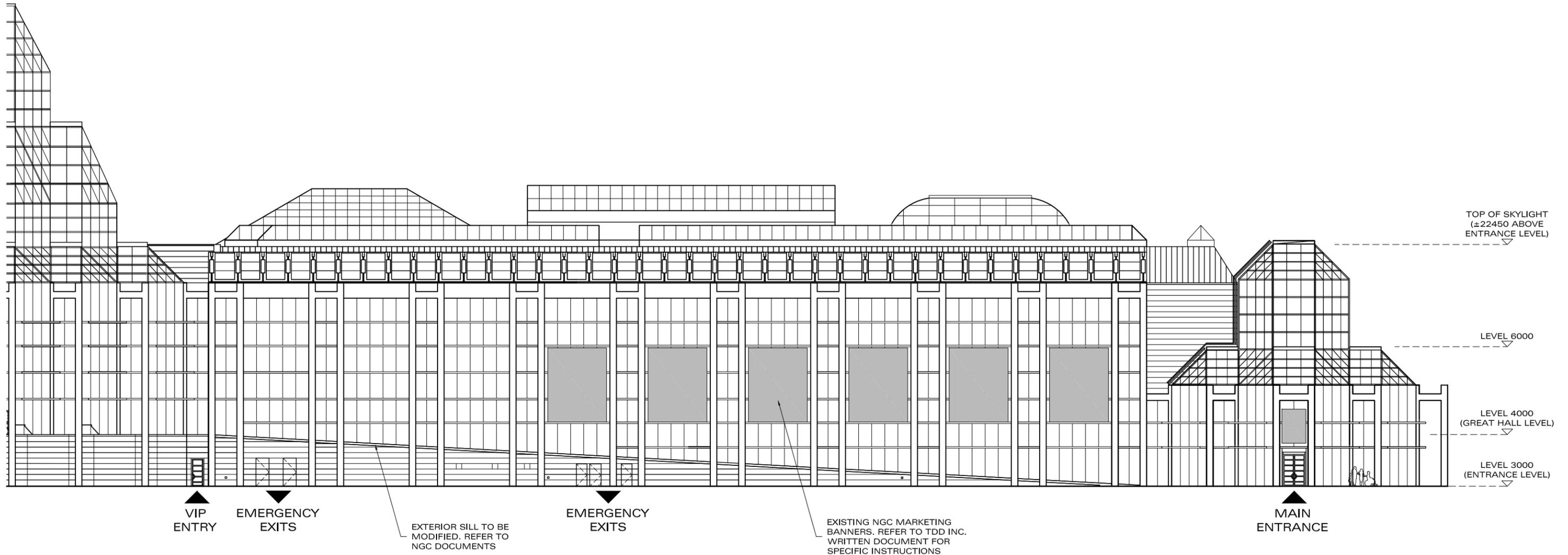


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PARTIAL SOUTH ELEVATION AS EXISTING 1:350

ALL HEIGHT INFORMATION IS BASED ON INFORMATION PROVIDED BY NGC. ALL CRITICAL DIMENSIONS MUST BE VERIFIED BY TENDERERS PRIOR TO BID SUBMISSION

NOTES

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REVISIONS

- Rev A 2016.10.13 Client review
- Rev B 2016.10.14 Circulation prior to stakeholder meeting
- Rev C 2016.10.25 Banner added
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Partial south elevation as existing

JOB No

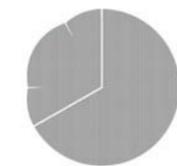
1197

DRWG No

1197-03'G'

DATE

Sep 2016

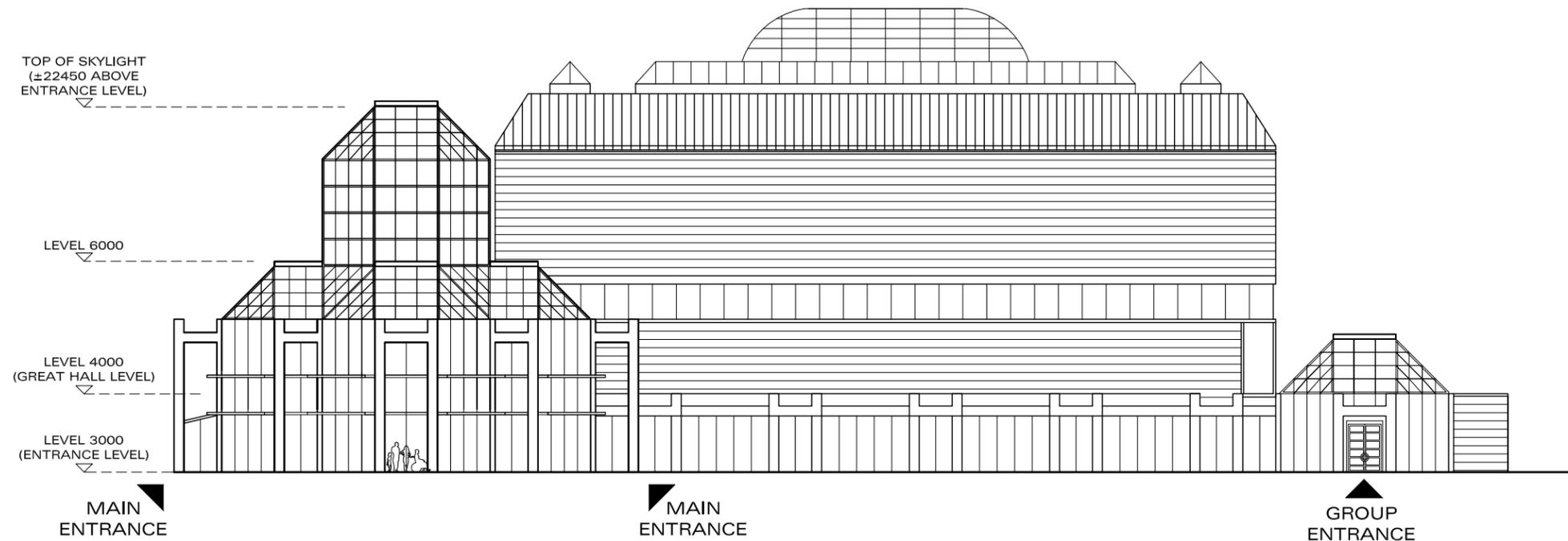


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furniture • photography • graphics



PARTIAL EAST ELEVATION AS EXISTING 1:350

ALL HEIGHT INFORMATION IS BASED ON INFORMATION PROVIDED BY NGC. ALL CRITICAL DIMENSIONS MUST BE VERIFIED BY TENDERERS PRIOR TO BID SUBMISSION

NOTES

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REVISIONS

- Rev A 2016.10.13 Client review
- Rev B 2016.10.14 Circulation prior to stakeholder meeting
- Rev C not used
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 National Gallery of Canada Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Partial east elevation as existing

JOB No

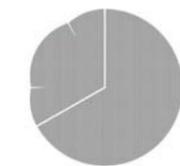
1197

DRWG No

1197-04'G'

DATE

Sep 2016

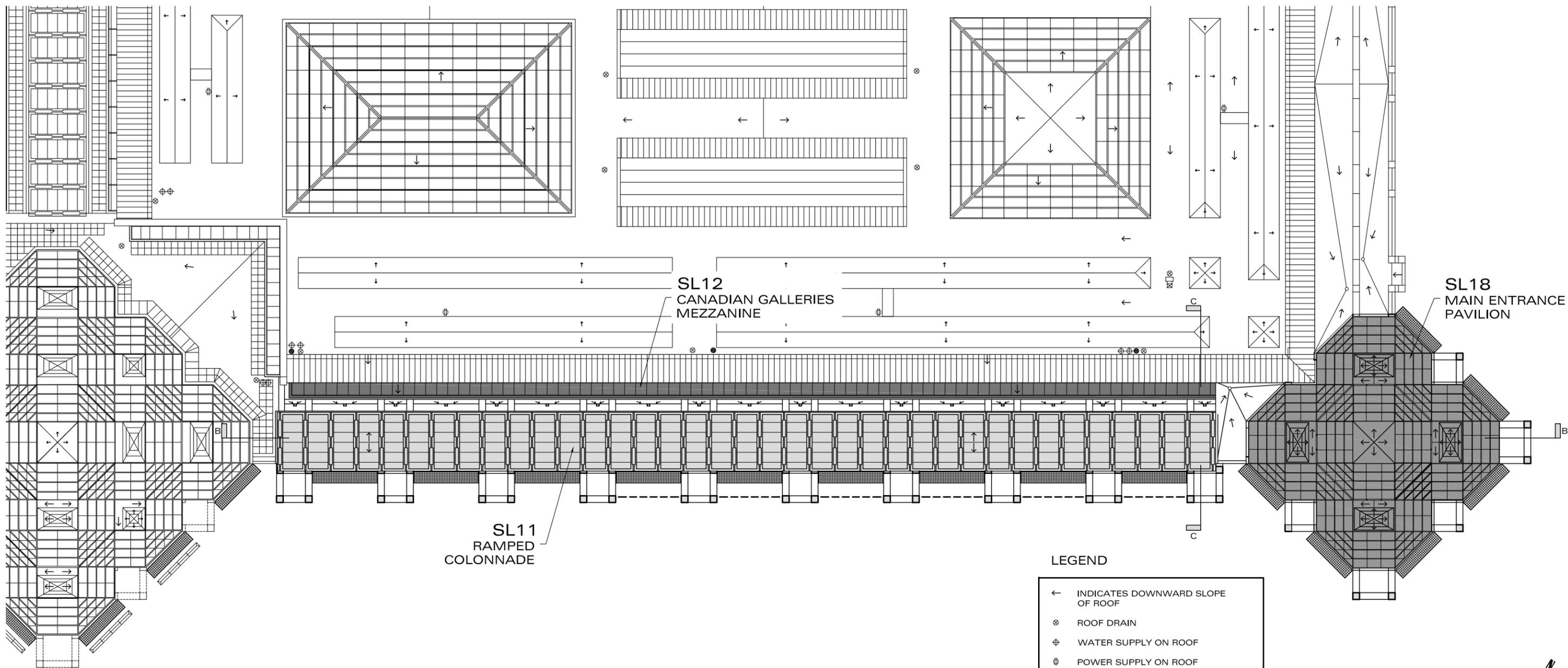


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PARTIAL ROOF PLAN AS EXISTING 1:350

LEGEND

- ← INDICATES DOWNWARD SLOPE OF ROOF
- ⊗ ROOF DRAIN
- ⊕ WATER SUPPLY ON ROOF
- ⊖ POWER SUPPLY ON ROOF

NOTE: SERVICE LOCATIONS ARE BASED ON INFORMATION PROVIDED BY NGC. ALL CRITICAL ITEMS MUST BE VERIFIED BY TENDERERS PRIOR TO BID SUBMISSION



NOTES

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REVISIONS

Rev A 2016.10.13 Client review
 Rev B 2016.10.14 Circulation prior to stakeholder meeting
 Rev C not used
 Rev D 2017.01.10 Issued for coordination
 Rev E 2017.01.19 Issued for final coordination
 Rev F 2017.02.15 Issued for final client review
 Rev G 2017.03.03 Issued for tender

CLIENT

 National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Partial roof plan as existing

JOB No

1197

DRWG No

1197-05'G'

DATE

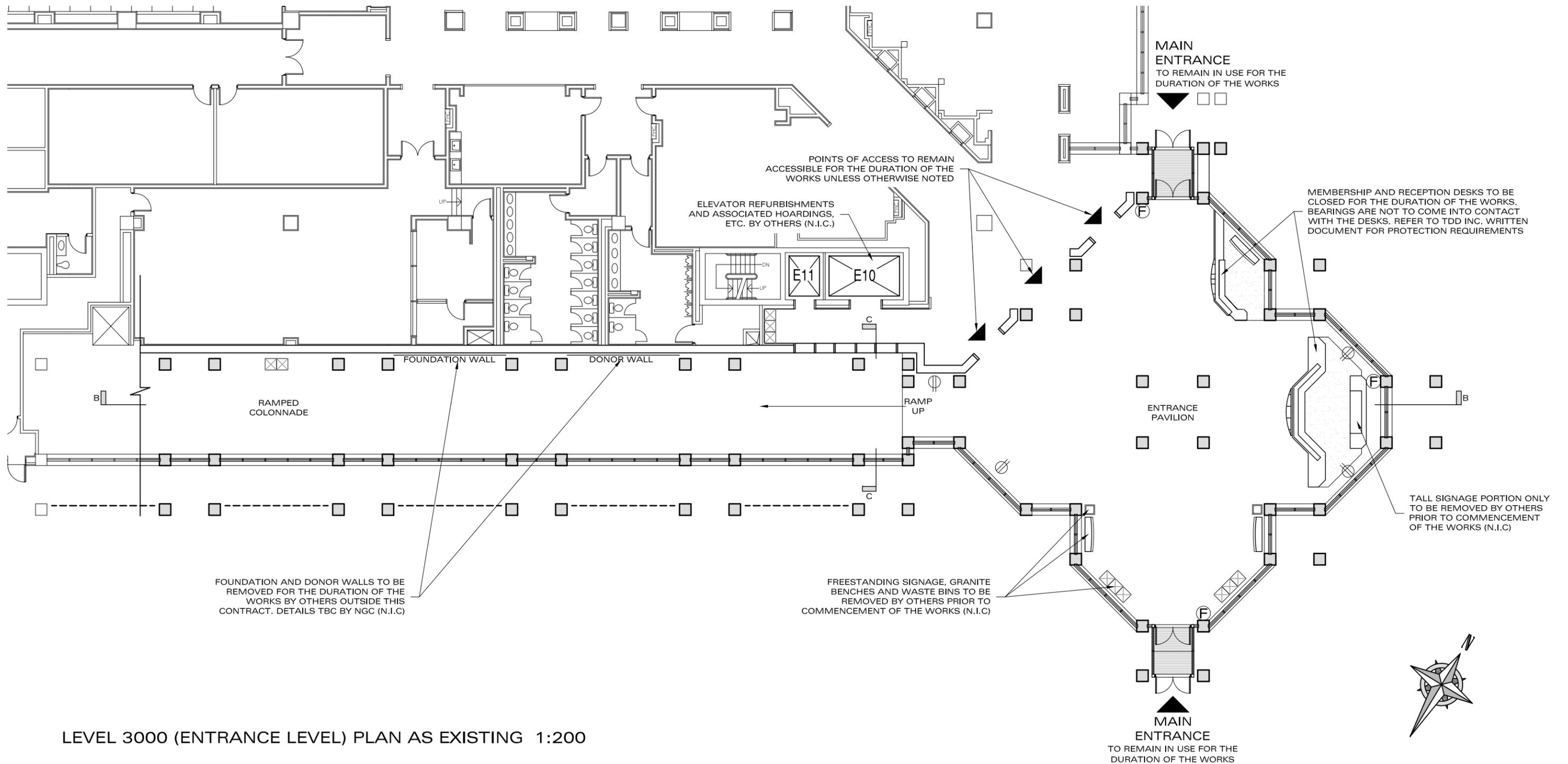
Sep 2016



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LEVEL 3000 (ENTRANCE LEVEL) PLAN AS EXISTING 1:200

NOTES

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REVISIONS

- Rev A 2016.10.13 Client review
- Rev B 2016.10.14 Circulation prior to stakeholder meeting
- Rev C not used
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 **National Gallery of Canada** / **Musée des beaux-arts du Canada**

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Level 3000 (entrance level) plan as existing

JOB No

1197

DRWG No

1197-06'G'

DATE

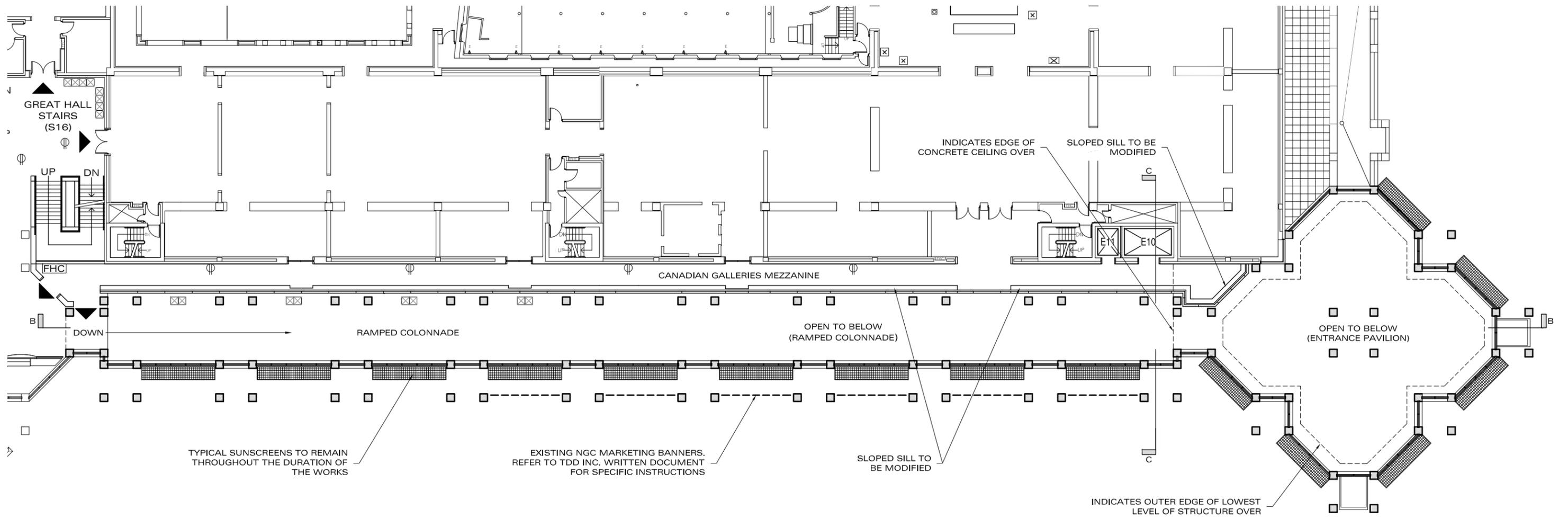
Sep 2016



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LEVEL 4000 (GREAT HALL LEVEL) PLAN AS EXISTING 1:300



NOTES

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REVISIONS

- Rev A 2016.10.13 Client review
- Rev B 2016.10.14 Circulation prior to stakeholder meeting
- Rev C not used
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 **National Gallery of Canada** / **Musée des beaux-arts du Canada**

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Level 4000 (Great Hall level) plan as existing

JOB No

1197

DRWG No

1197-07'G'

DATE

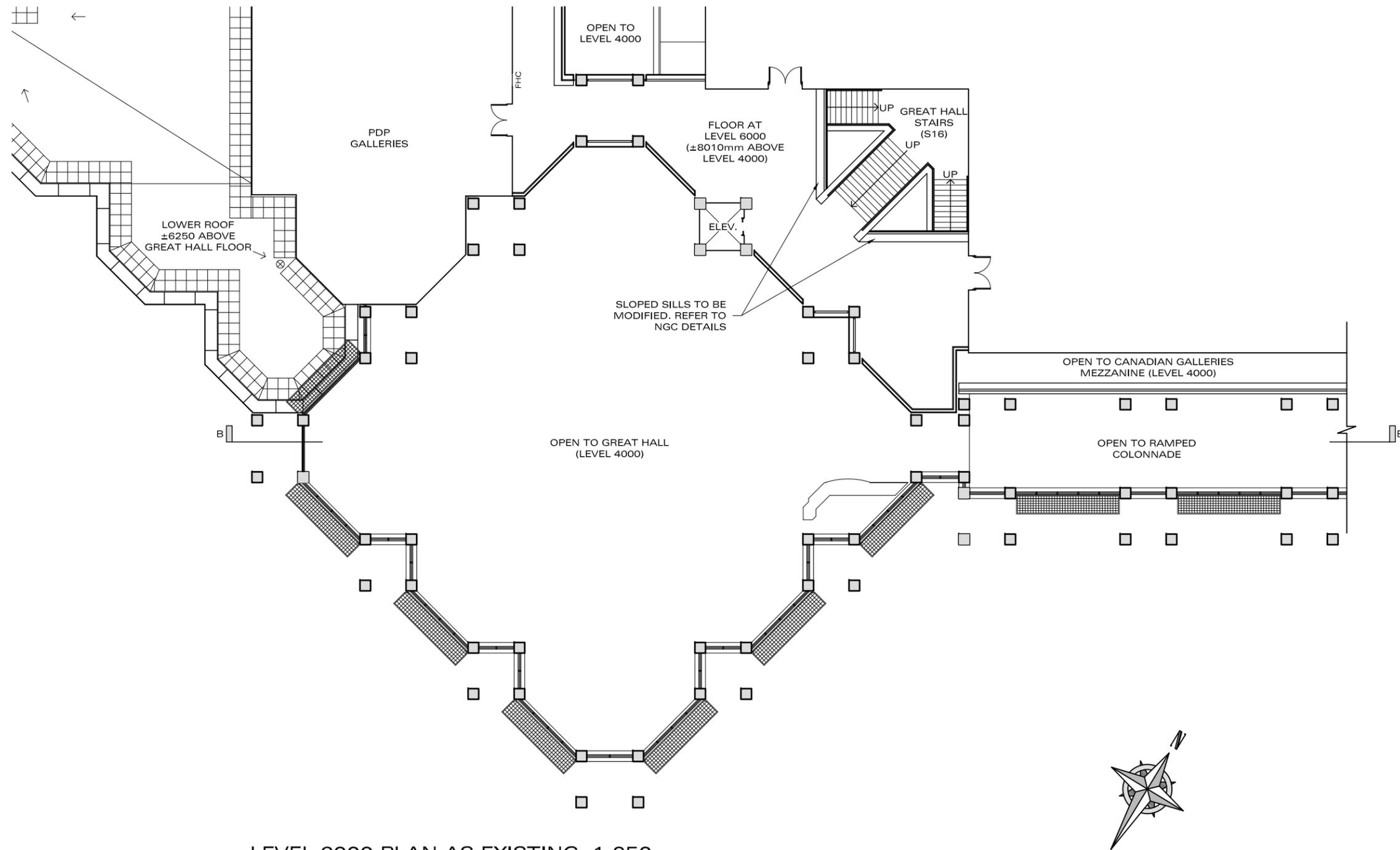
Sep 2016



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LEVEL 6000 PLAN AS EXISTING 1:250

NOTES

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REVISIONS

- Rev A not used
- Rev B not used
- Rev C not used
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 **National Gallery of Canada** / **Musée des beaux-arts du Canada**

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Level 6000 plan as existing

JOB No

1197

DRWG No

1197-08'G'

DATE

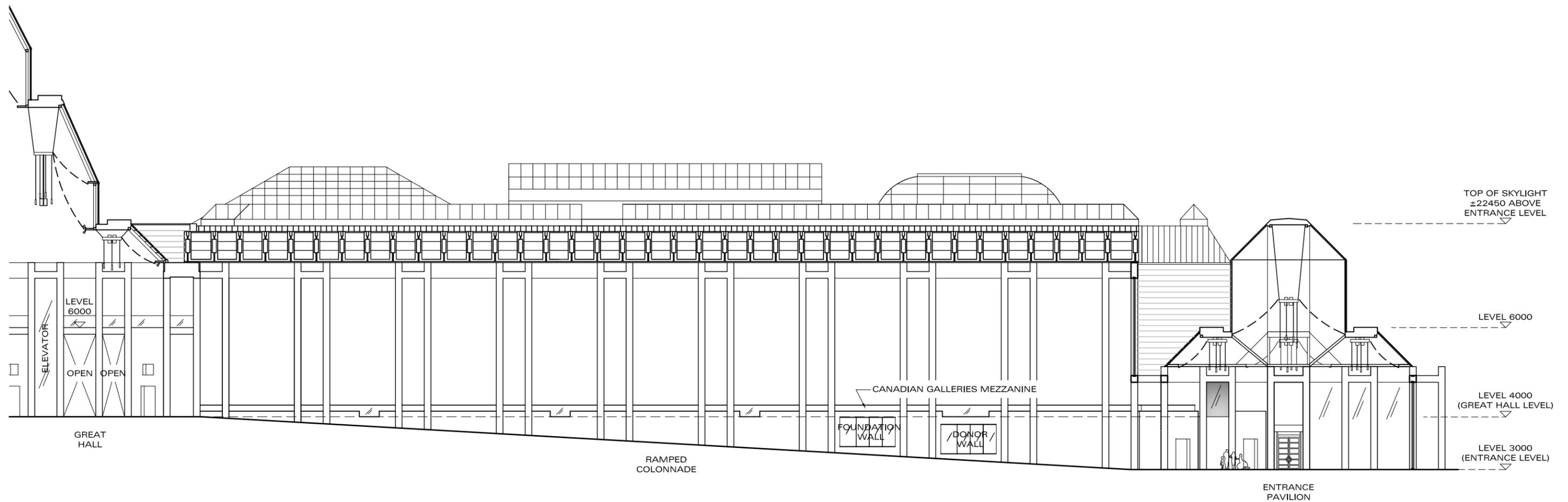
Jan 2017



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BASIC SECTION B-B (WEST-EAST) AS EXISTING 1:350

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NOTES

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REVISIONS

- Rev A 2016.10.13 Client review
- Rev B 2016.10.14 Circulation prior to stakeholder meeting
- Rev C not used
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Basic section B-B (west-east) as existing

JOB No

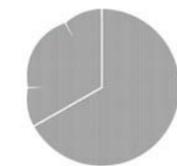
1197

DRWG No

1197-09'G'

DATE

Sep 2016

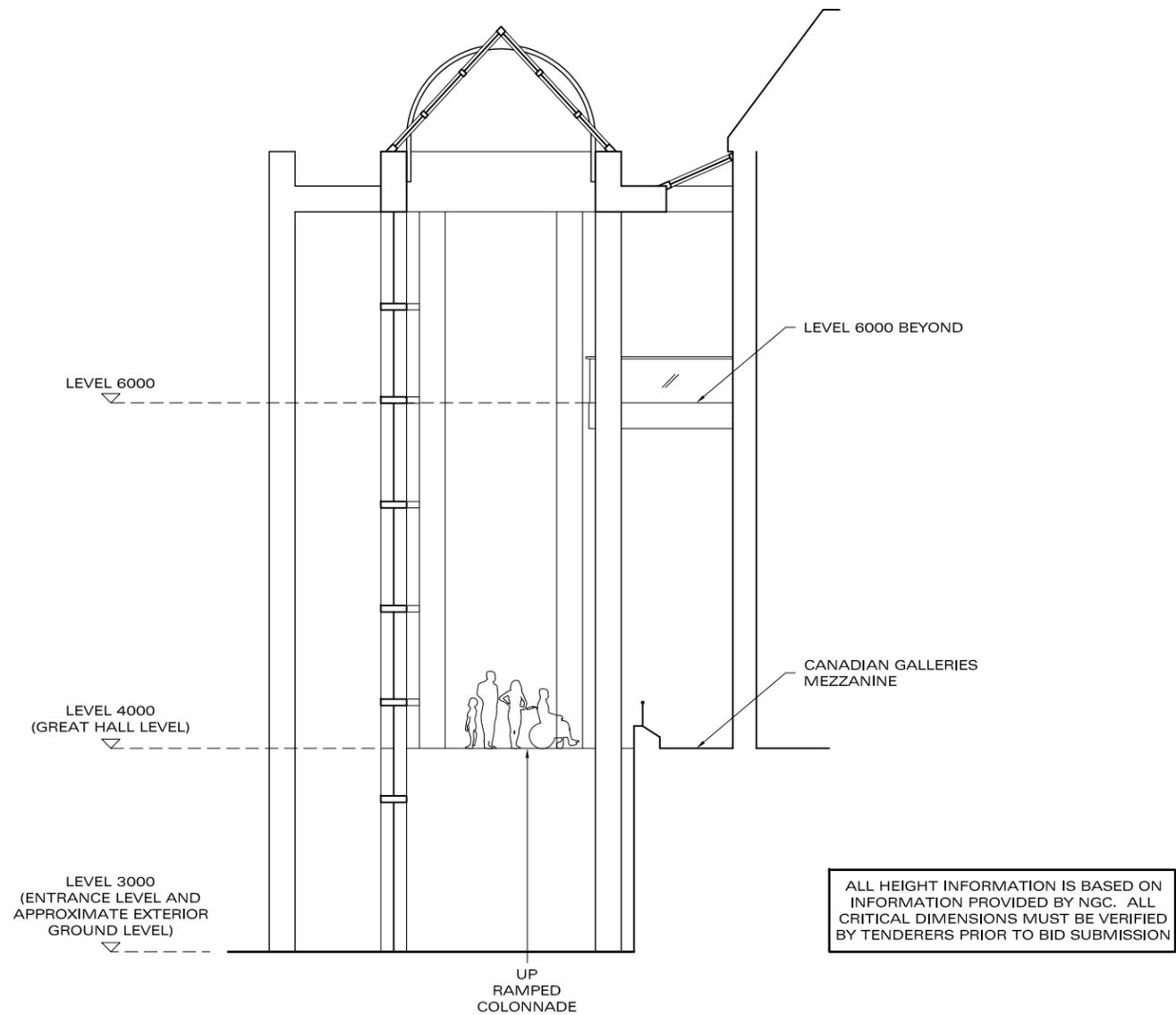


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BASIC SECTION C-C (SOUTH-NORTH) AS EXISTING 1:150

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REVISIONS

- Rev A not used
- Rev B not used
- Rev C not used
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 National Gallery of Canada Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Basic section C-C (south-north) as existing

JOB No

1197

DRWG No

1197-10'G'

DATE

Jan 2017



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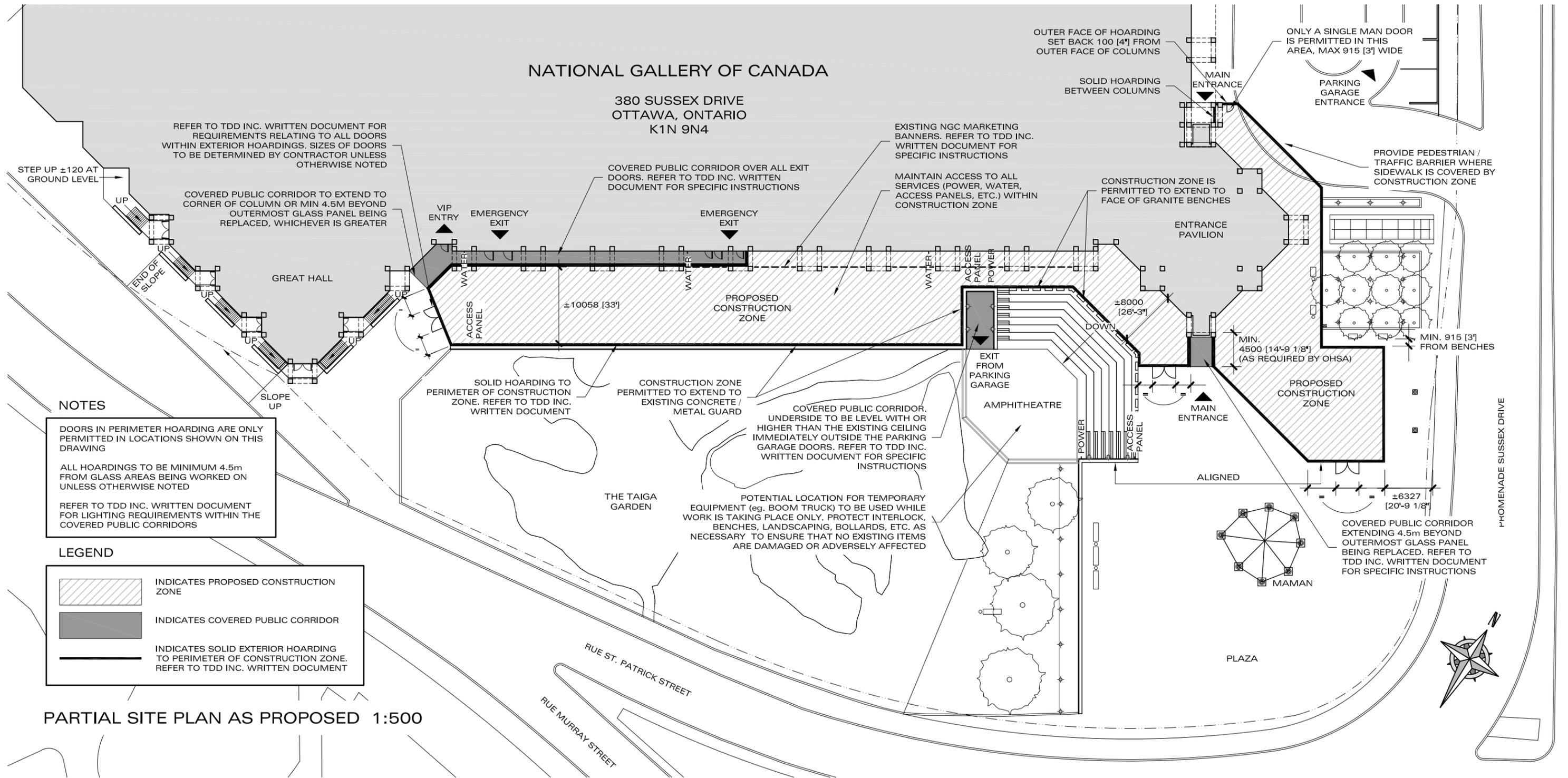
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K1N 9N4



NOTES

DOORS IN PERIMETER HOARDING ARE ONLY PERMITTED IN LOCATIONS SHOWN ON THIS DRAWING

ALL HOARDINGS TO BE MINIMUM 4.5m FROM GLASS AREAS BEING WORKED ON UNLESS OTHERWISE NOTED

REFER TO TDD INC. WRITTEN DOCUMENT FOR LIGHTING REQUIREMENTS WITHIN THE COVERED PUBLIC CORRIDORS

LEGEND

-  INDICATES PROPOSED CONSTRUCTION ZONE
-  INDICATES COVERED PUBLIC CORRIDOR
-  INDICATES SOLID EXTERIOR HOARDING TO PERIMETER OF CONSTRUCTION ZONE. REFER TO TDD INC. WRITTEN DOCUMENT

PARTIAL SITE PLAN AS PROPOSED 1:500

NOTES

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REVISIONS

- Rev A 2016.10.13 Client review
- Rev B 2016.10.14 Circulation prior to stakeholder meeting
- Rev C 2016.12.22 Updated following meeting
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Partial site plan as proposed

JOB No

1197

DRWG No

1197-11'G'

DATE

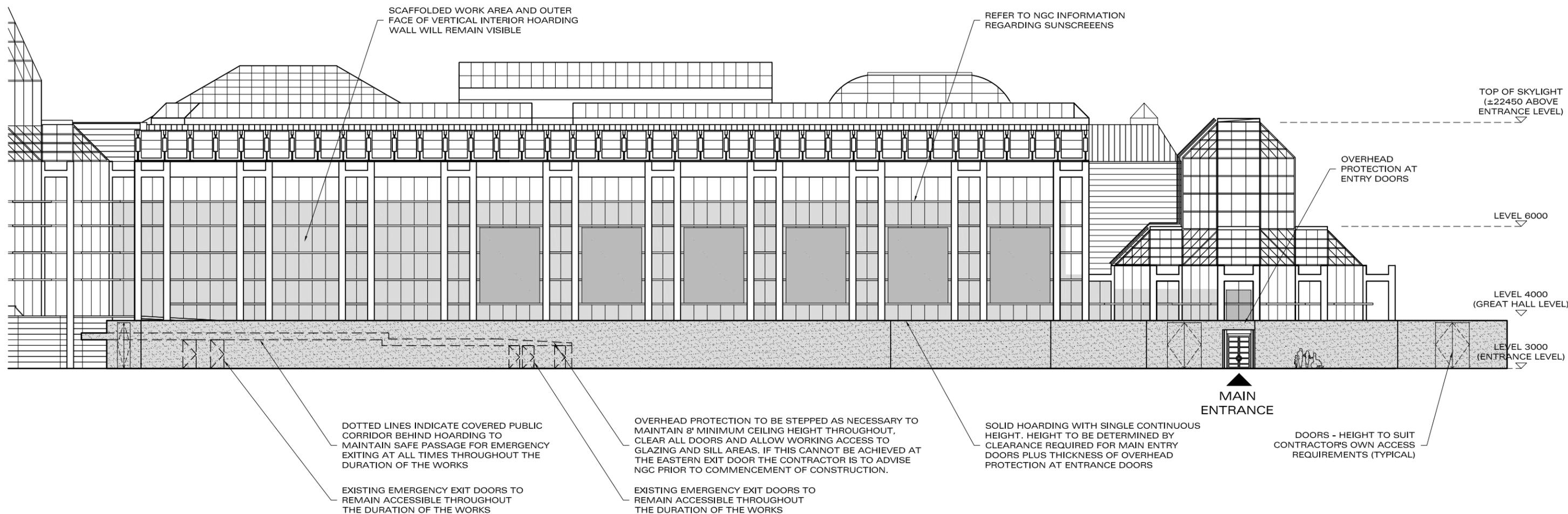
Sep 2016



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PARTIAL SOUTH ELEVATION AS PROPOSED 1:350

LEGEND

 INDICATES SOLID EXTERIOR HOARDING TO PERIMETER OF CONSTRUCTION ZONE. REFER TO TDD INC. WRITTEN DOCUMENT

ALL HEIGHT INFORMATION IS BASED ON INFORMATION PROVIDED BY NGC. ALL CRITICAL DIMENSIONS MUST BE VERIFIED BY TENDERERS PRIOR TO BID SUBMISSION

NOTES

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REVISIONS

- Rev A 2016.10.13 Client review
- Rev B 2016.10.14 Circulation prior to stakeholder meeting
- Rev C 2016.10.25 Banner added
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Partial south elevation as proposed

JOB No

1197

DRWG No

1197-12'G'

DATE

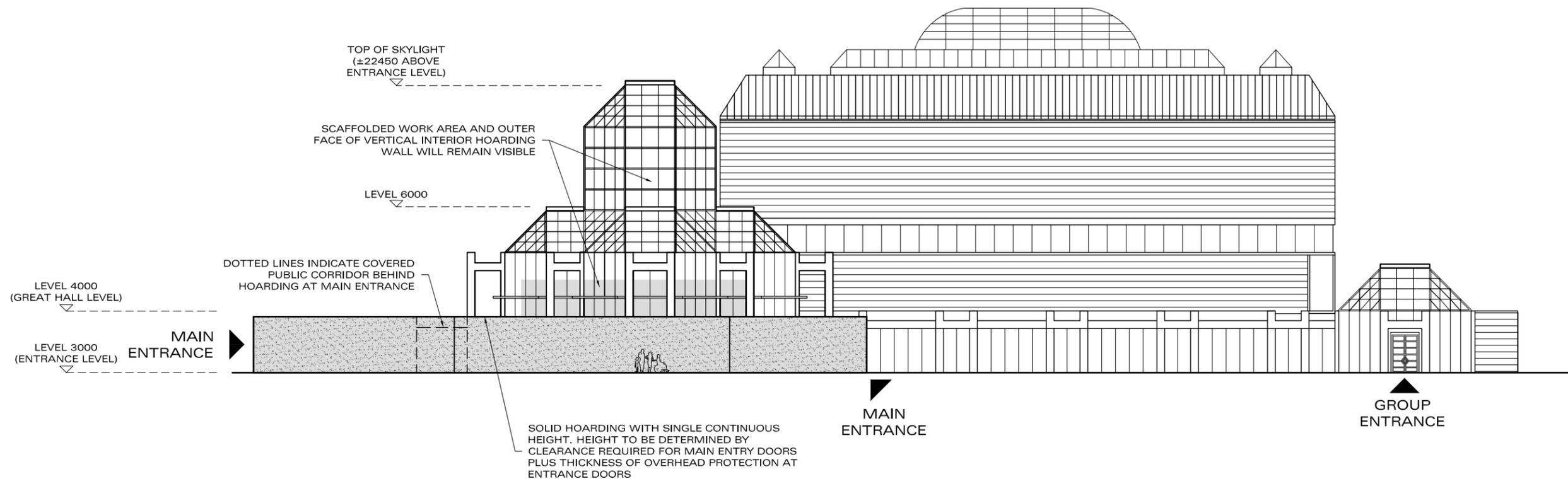
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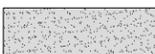
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PARTIAL EAST ELEVATION AS PROPOSED 1:350

LEGEND

 INDICATES SOLID EXTERIOR HOARDING TO PERIMETER OF CONSTRUCTION ZONE. REFER TO TDD INC. WRITTEN DOCUMENT

ALL HEIGHT INFORMATION IS BASED ON INFORMATION PROVIDED BY NGC. ALL CRITICAL DIMENSIONS MUST BE VERIFIED BY TENDERERS PRIOR TO BID SUBMISSION

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REVISIONS

- Rev A not used
- Rev B not used
- Rev C not used
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Partial east elevation as proposed

JOB No

1197

DRWG No

1197-13'G'

DATE

Jan 2017

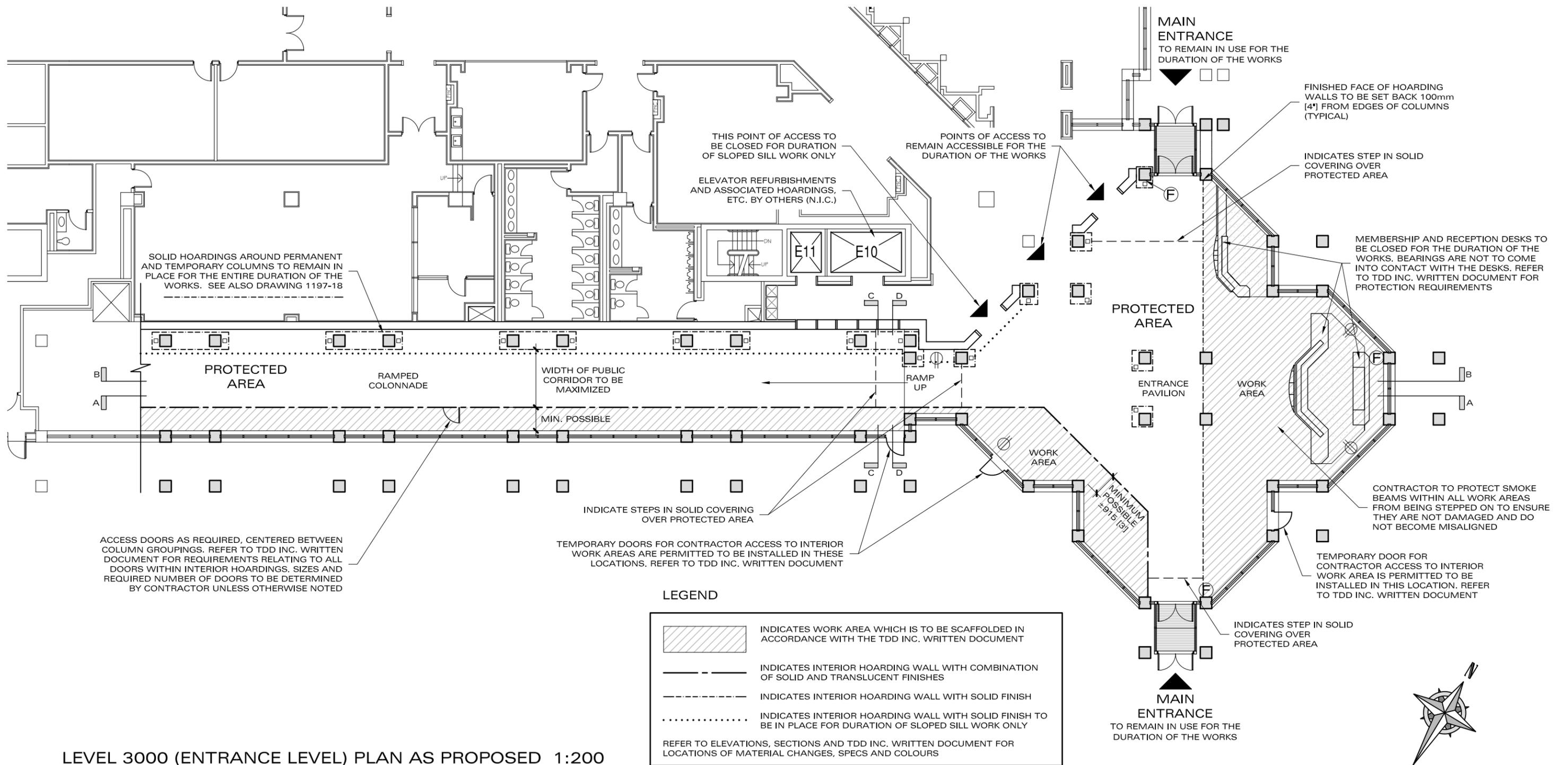


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NOTES

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REVISIONS

- Rev A 2016.10.13 Client review
- Rev B 2016.10.14 Circulation prior to stakeholder meeting
- Rev C 2016.12.22 Updated following meeting
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Level 3000 (entrance level) plan as proposed

JOB No

1197

DRWG No

1197-14'G'

DATE

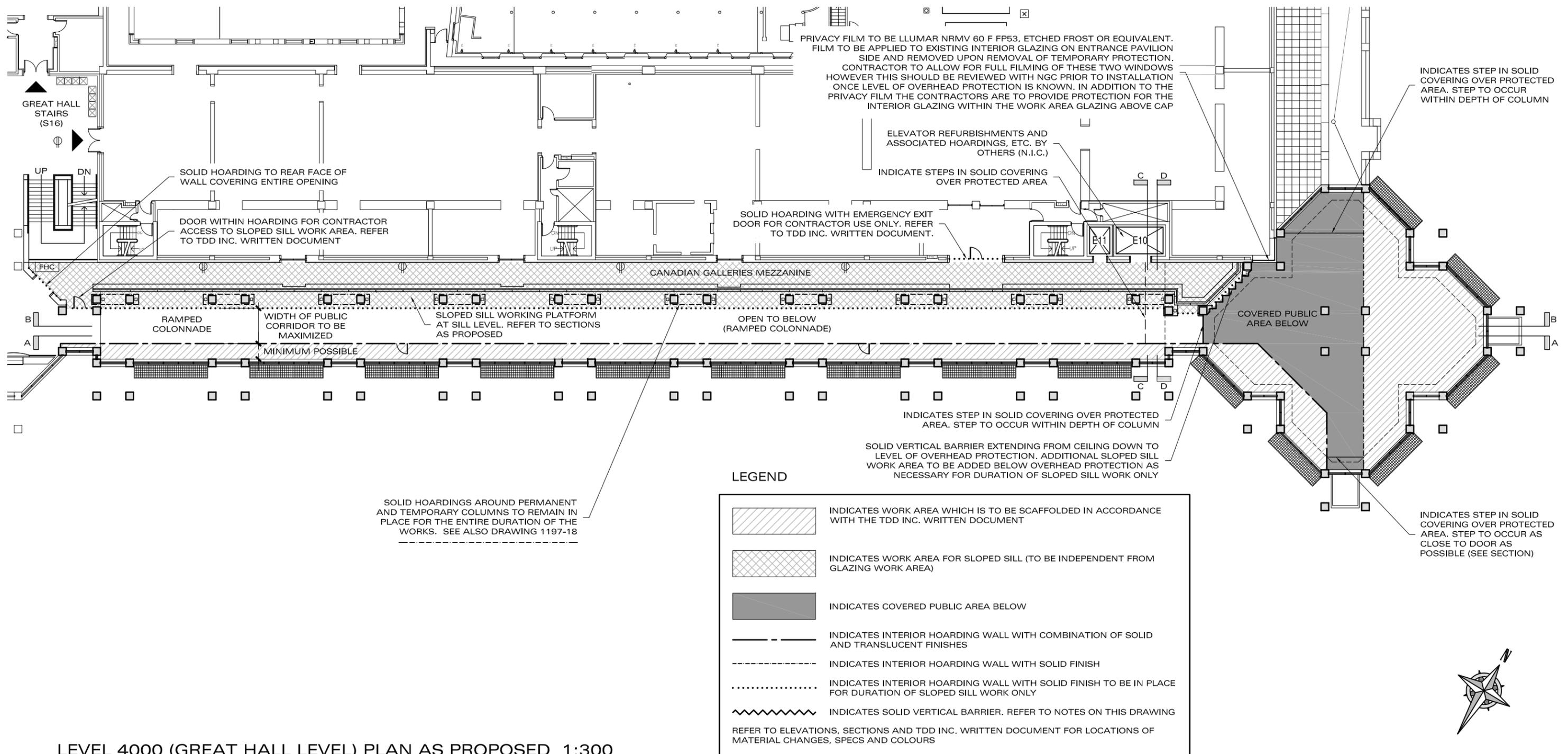
Sep 2016



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LEVEL 4000 (GREAT HALL LEVEL) PLAN AS PROPOSED 1:300

NOTES

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REVISIONS

- Rev A 2016.10.13 Client review
- Rev B 2016.10.14 Circulation prior to stakeholder meeting
- Rev C 2016.12.22 Updated following meeting
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Level 4000 (Great Hall level) plan as proposed

JOB No

1197

DRWG No

1197-15'G'

DATE

Sep 2016

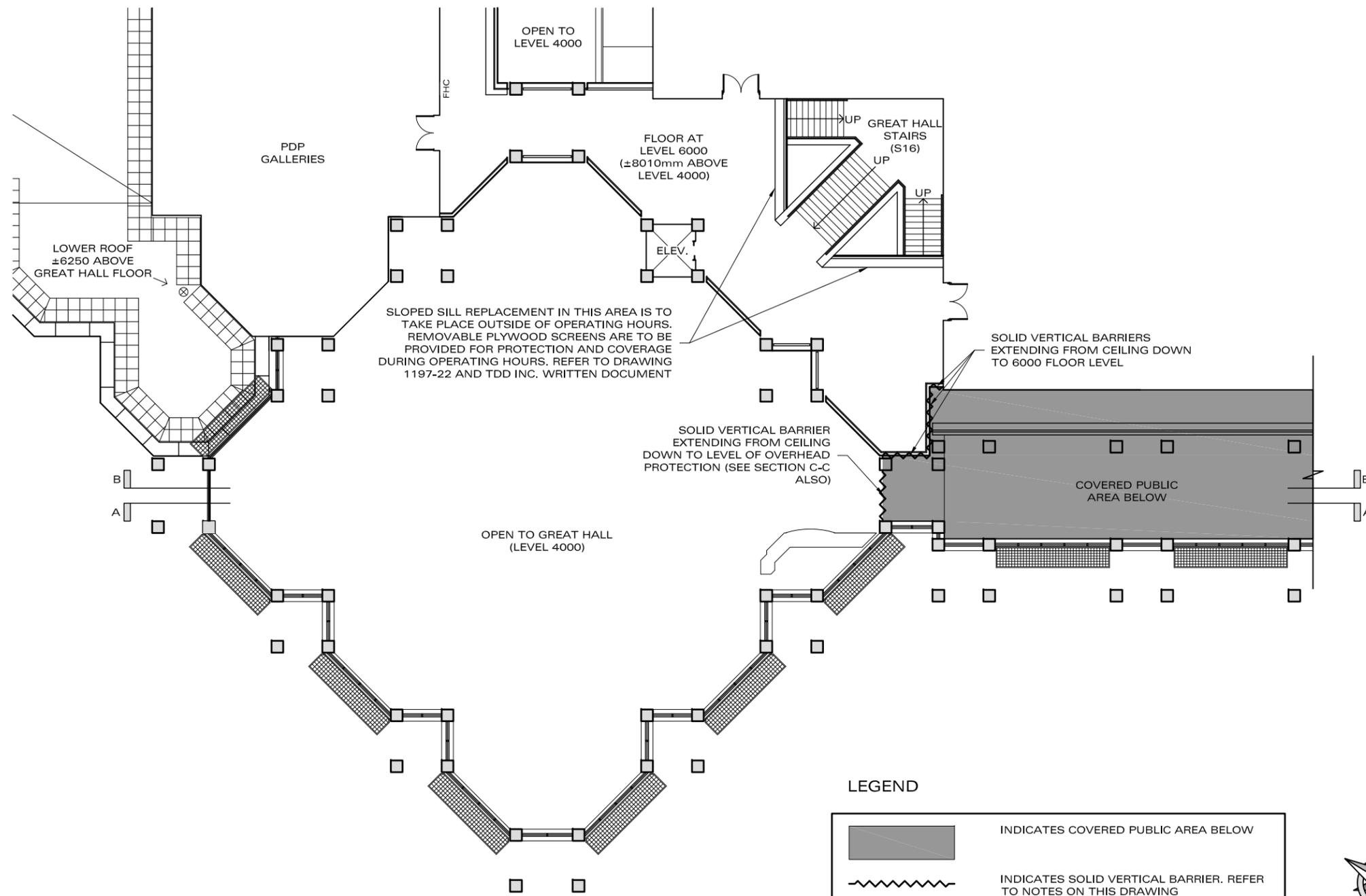


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LEVEL 6000 PLAN AS PROPOSED 1:250

LEGEND

	INDICATES COVERED PUBLIC AREA BELOW
	INDICATES SOLID VERTICAL BARRIER. REFER TO NOTES ON THIS DRAWING
REFER TO ELEVATIONS, SECTIONS AND TDD INC. WRITTEN DOCUMENT FOR LOCATIONS OF MATERIAL CHANGES, SPECS AND COLOURS	



NOTES

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3. Tim Davis Design Inc assumes no liability whatsoever for any work shown on this or any other drawing in the event of a client proceeding with work ahead of obtaining a legally required building permit.

REVISIONS

- Rev A not used
- Rev B not used
- Rev C not used
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Level 6000 plan as proposed

JOB No

1197

DRWG No

1197-16'G'

DATE

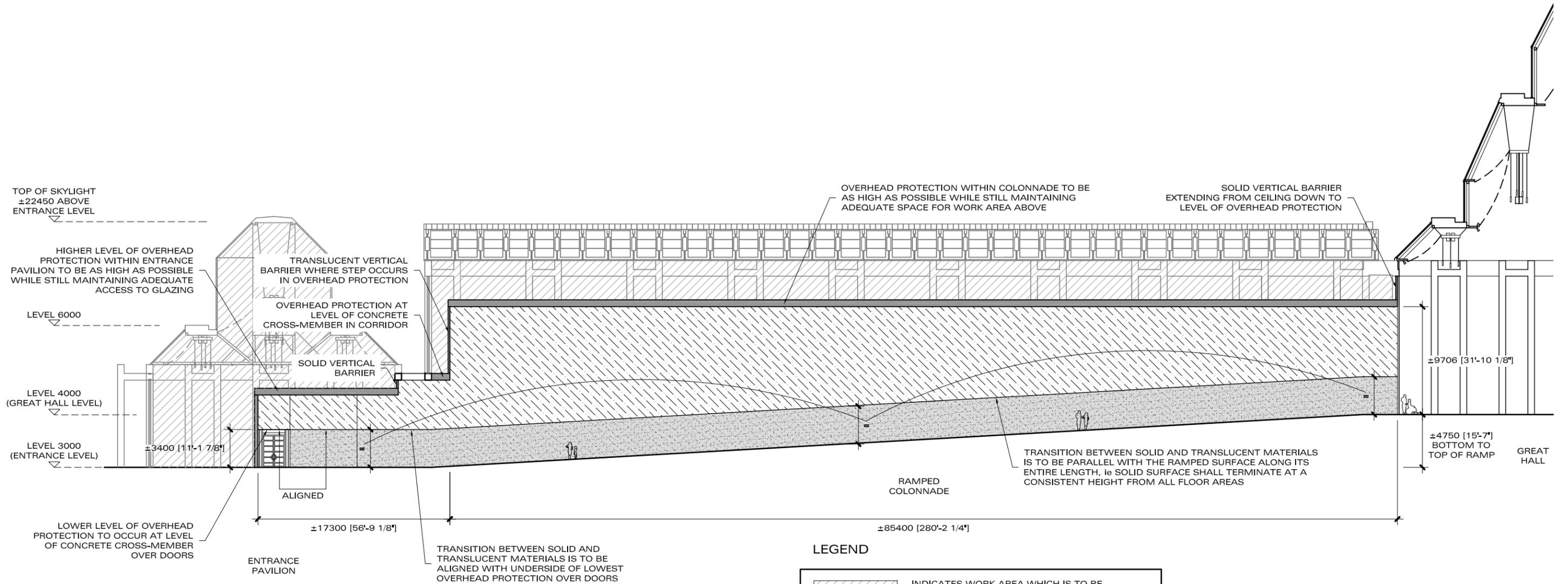
Jan 2017



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LEGEND

	INDICATES WORK AREA WHICH IS TO BE SCAFFOLDED IN ACCORDANCE WITH THE TDD INC. WRITTEN DOCUMENT
	INDICATES SOLID HOARDING WALL / VERTICAL BARRIER
	INDICATES TRANSLUCENT HOARDING WALL / VERTICAL BARRIER

REFER TO ELEVATIONS, SECTIONS AND TDD INC. WRITTEN DOCUMENT FOR LOCATIONS OF MATERIAL CHANGES, SPECS AND COLOURS

ALL HEIGHT INFORMATION IS BASED ON INFORMATION PROVIDED BY NGC. ALL CRITICAL DIMENSIONS MUST BE VERIFIED BY TENDERERS PRIOR TO BID SUBMISSION

BASIC SECTION A-A (EAST-WEST) AS PROPOSED 1:350

NOTES

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REVISIONS

- Rev A not used
- Rev B not used
- Rev C not used
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Basic section A-A (east-west) as proposed

JOB No

1197

DRWG No

1197-17'G'

DATE

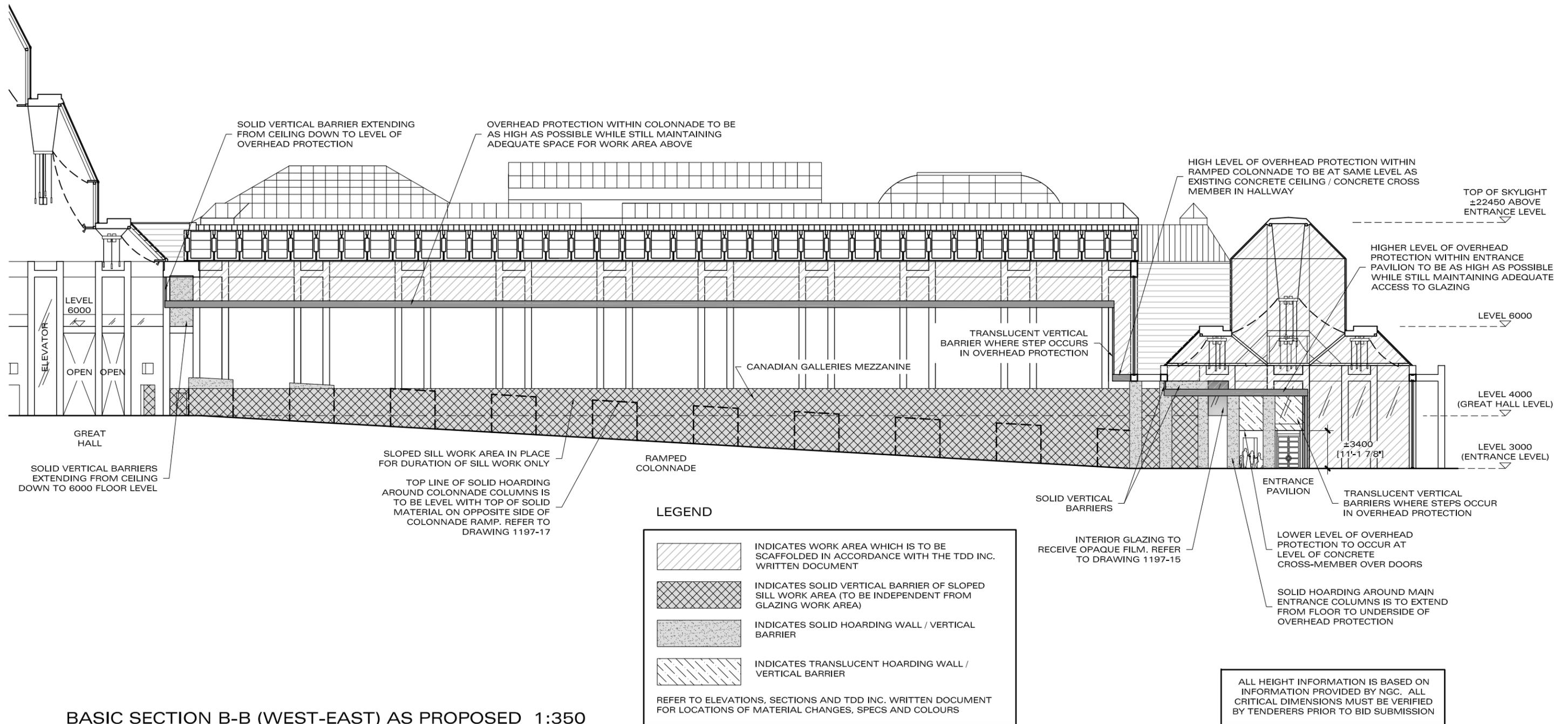
Jan 2017



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BASIC SECTION B-B (WEST-EAST) AS PROPOSED 1:350

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3. Tim Davis Design Inc assumes no liability whatsoever for any work shown on this or any other drawing in the event of a client proceeding with work ahead of obtaining a legally required building permit.

REVISIONS

Rev A 2016.10.13 Client review
 Rev B 2016.10.14 Circulation prior to stakeholder meeting
 Rev C 2016.12.22 Updated following meeting
 Rev D 2017.01.10 Issued for coordination
 Rev E 2017.01.19 Issued for final coordination
 Rev F 2017.02.15 Issued for final client review
 Rev G 2017.03.03 Issued for tender

CLIENT

National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Basic section B-B (west-east) as proposed

JOB No

1197

DRWG No

1197-18'G'

DATE

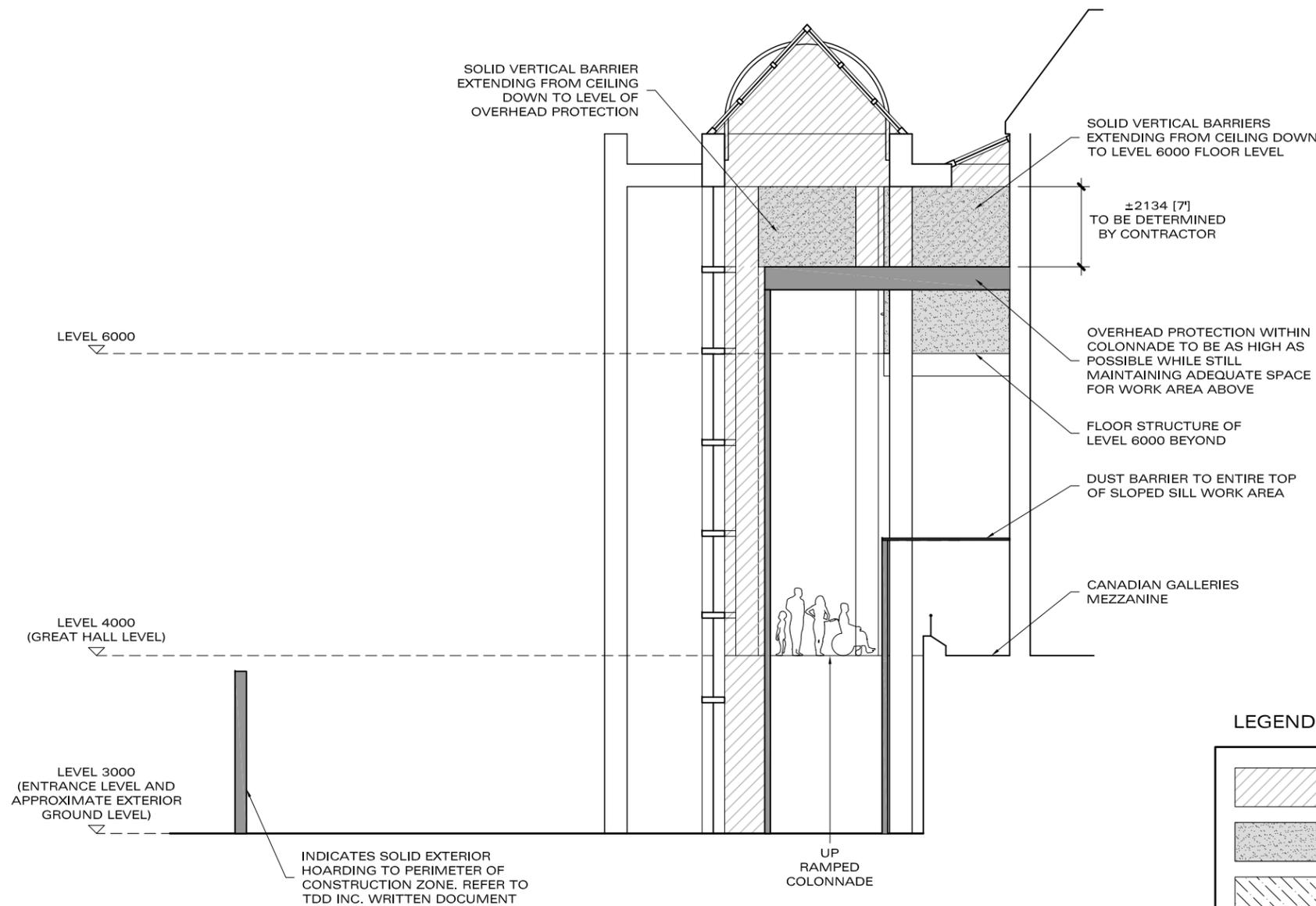
Sep 2016



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BASIC SECTION C-C (SOUTH-NORTH) AS PROPOSED 1:150

LEGEND

	INDICATES WORK AREA WHICH IS TO BE SCAFFOLDED IN ACCORDANCE WITH THE TDD INC. WRITTEN DOCUMENT
	INDICATES SOLID HOARDING WALL / VERTICAL BARRIER
	INDICATES TRANSLUCENT HOARDING WALL / VERTICAL BARRIER
REFER TO ELEVATIONS, SECTIONS AND TDD INC. WRITTEN DOCUMENT FOR LOCATIONS OF MATERIAL CHANGES, SPECS AND COLOURS	

ALL HEIGHT INFORMATION IS BASED ON INFORMATION PROVIDED BY NGC. ALL CRITICAL DIMENSIONS MUST BE VERIFIED BY TENDERERS PRIOR TO BID SUBMISSION

NOTES

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REVISIONS

- Rev A not used
- Rev B not used
- Rev C 2016.12.22 Updated following meeting
- Rev D 2017.01.10 Issued for coordination
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Basic section C-C (south-north) as proposed

JOB No

1197

DRWG No

1197-19'G'

DATE

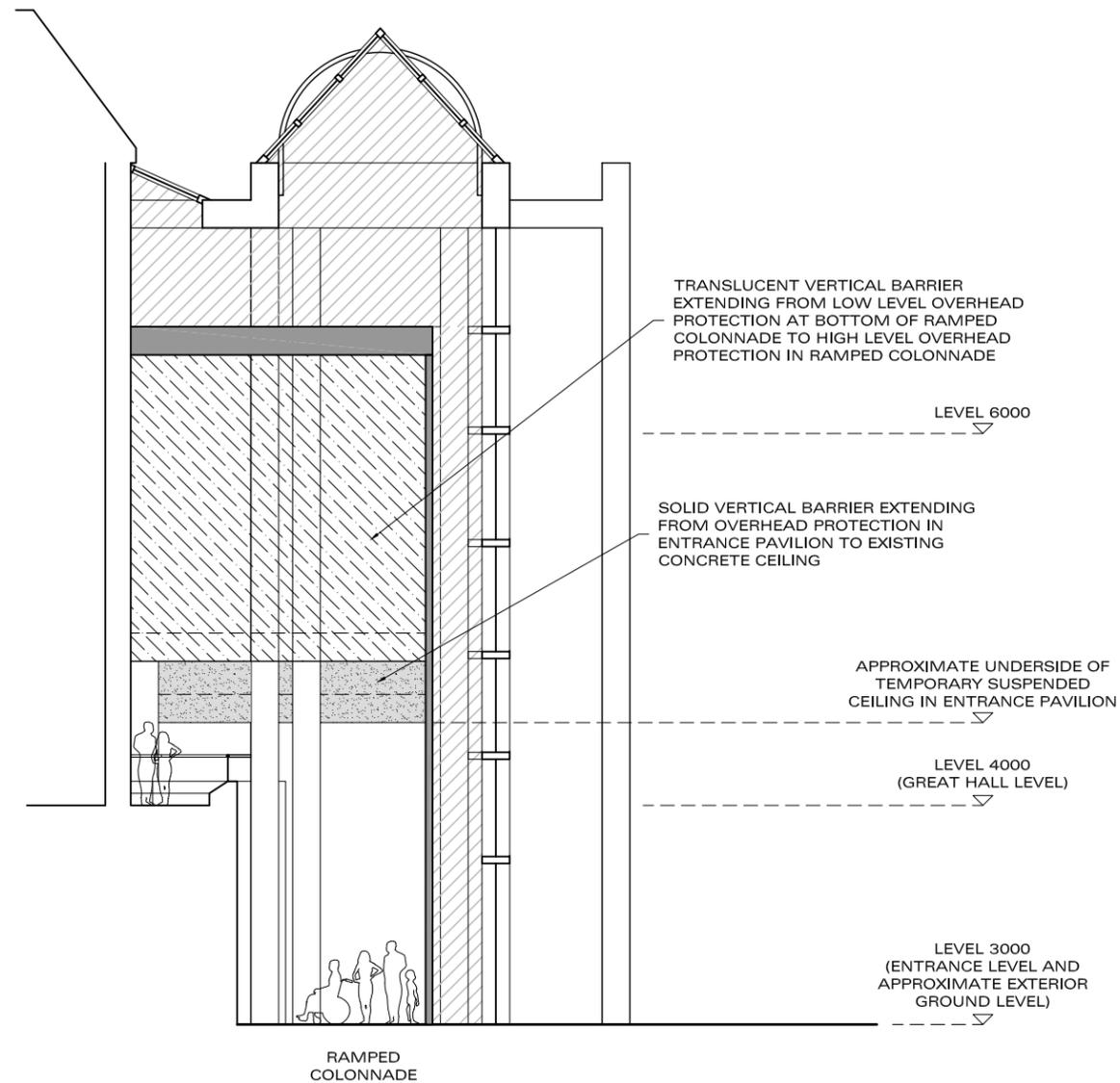
Dec 2016



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BASIC SECTION D-D (NORTH-SOUTH) AS PROPOSED 1:150

LEGEND

	INDICATES WORK AREA WHICH IS TO BE SCAFFOLDED IN ACCORDANCE WITH THE TDD INC. WRITTEN DOCUMENT
	INDICATES SOLID HOARDING WALL / VERTICAL BARRIER
	INDICATES TRANSLUCENT HOARDING WALL / VERTICAL BARRIER
REFER TO ELEVATIONS, SECTIONS AND TDD INC. WRITTEN DOCUMENT FOR LOCATIONS OF MATERIAL CHANGES, SPECS AND COLOURS	

ALL HEIGHT INFORMATION IS BASED ON INFORMATION PROVIDED BY NGC. ALL CRITICAL DIMENSIONS MUST BE VERIFIED BY TENDERERS PRIOR TO BID SUBMISSION

NOTES

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REVISIONS

- Rev A not used
- Rev B not used
- Rev C not used
- Rev D not used
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Basic section D-D (north-south) as proposed

JOB No

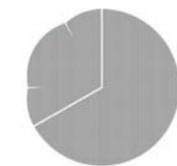
1197

DRWG No

1197-20'G'

DATE

Jan 2017

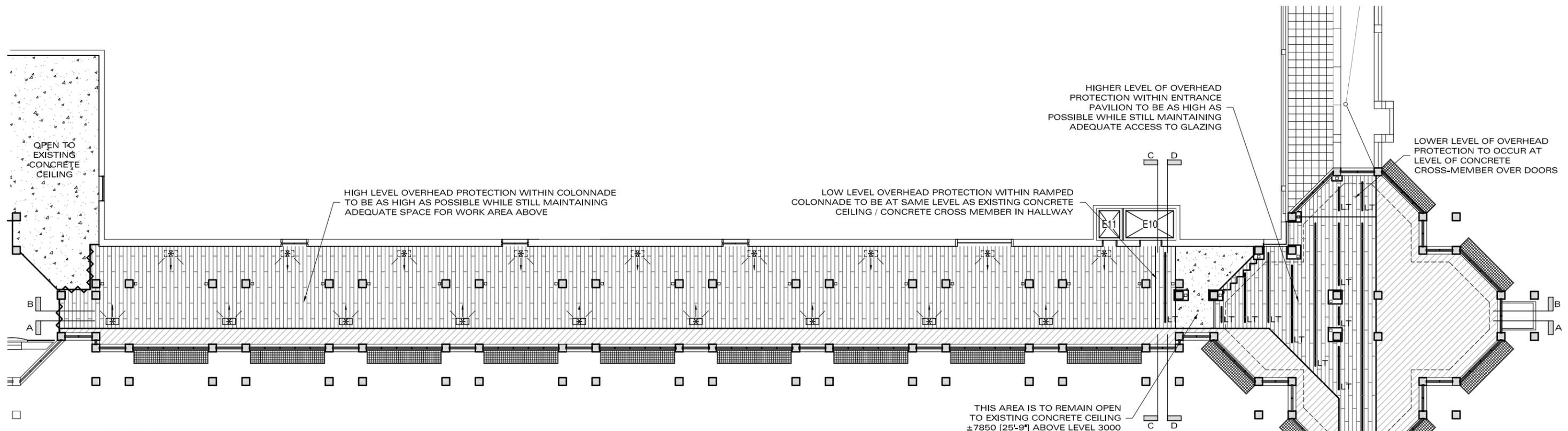


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LEGEND

	INDICATES WORK AREA WHICH IS TO BE SCAFFOLDED IN ACCORDANCE WITH THE TDD INC. WRITTEN DOCUMENT		INDICATES PRIMARY LOCATIONS AND DIRECTIONS FOR UPLIGHT FIXTURES. REFER TO TDD INC. WRITTEN DOCUMENT
	INDICATES FINISHED CEILING IN PUBLIC AREAS. REFER TO TDD INC. WRITTEN DOCUMENT		INDICATES SECONDARY LOCATIONS AND DIRECTIONS FOR UPLIGHT FIXTURES IF THESE ARE DETERMINED TO BE NECESSARY FOLLOWING LIGHT CALCULATIONS. REFER TO TDD INC. WRITTEN DOCUMENT
	INDICATES EXISTING CONCRETE CEILING TO REMAIN EXPOSED		INDICATES EDISON PRICE LIGHTING "SIGHTLINE S" SURFACE MOUNTED TRACK SYSTEM TO BE SUPPLIED AND INSTALLED BY CONTRACTOR. HEADS TO BE SUPPLIED AND INSTALLED BY NGC
	INDICATES VERTICAL BARRIER. REFER TO NOTES ON DRAWING 1197-15		

NOTE THAT ANY LIGHTS OR OTHER FIXTURES IN THE AREAS WITH CEILING SYSTEMS OR SCRIM ARE TO BE SUPPORTED INDEPENDENTLY OF THE CEILING SYSTEM.

NOTE! THERE MUST BE NO FIXINGS TO CONCRETE COLUMNS AT ANY LOCATION

REFLECTED CEILING PLAN WITHIN COVERED PUBLIC AREA 1:300

NOTES

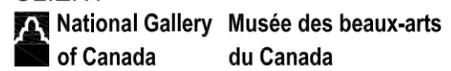
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REVISIONS

- Rev A not used
- Rev B not used
- Rev C not used
- Rev D not used
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT



PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Reflected ceiling plan as proposed

JOB No

1197

DRWG No

1197-21'G'

DATE

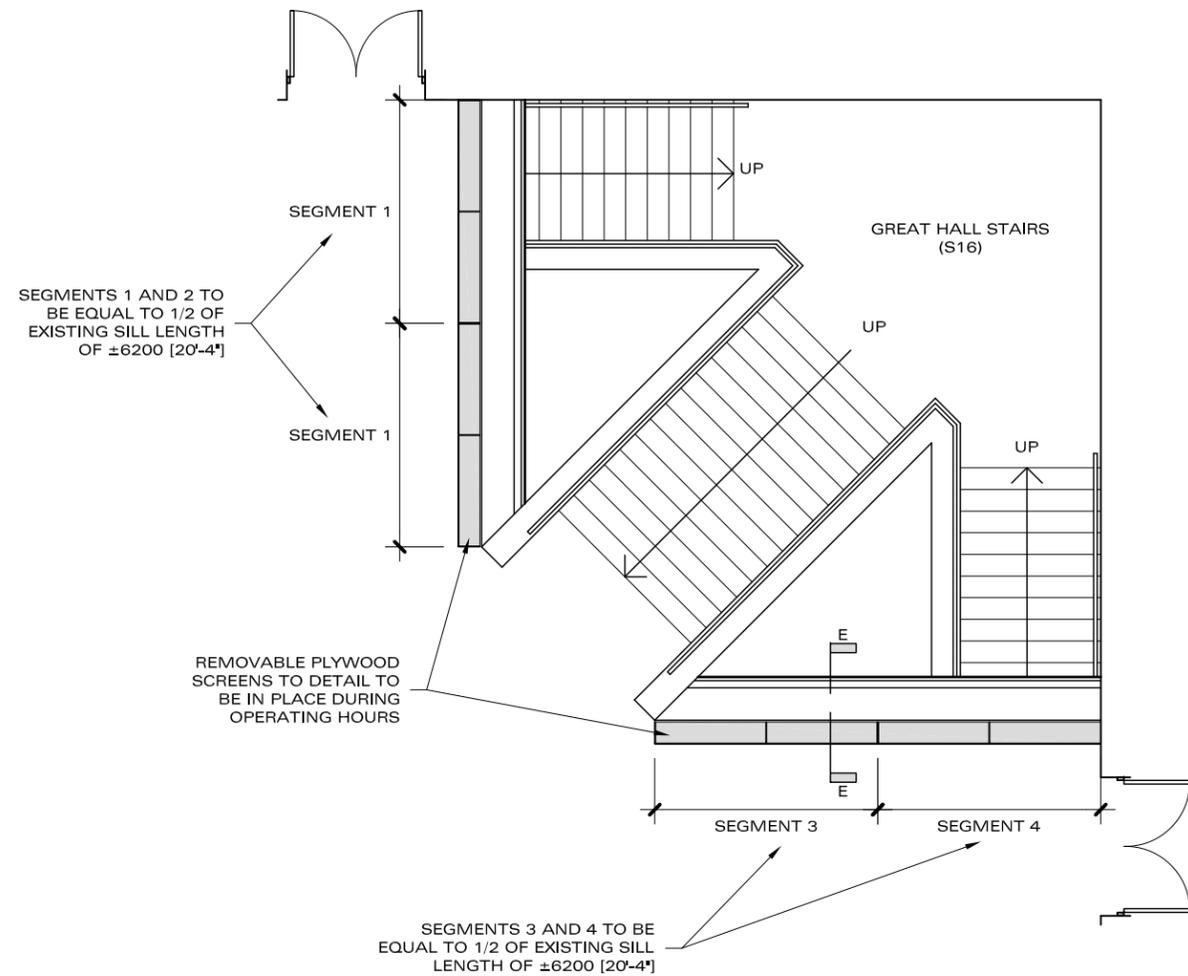
Jan 2017



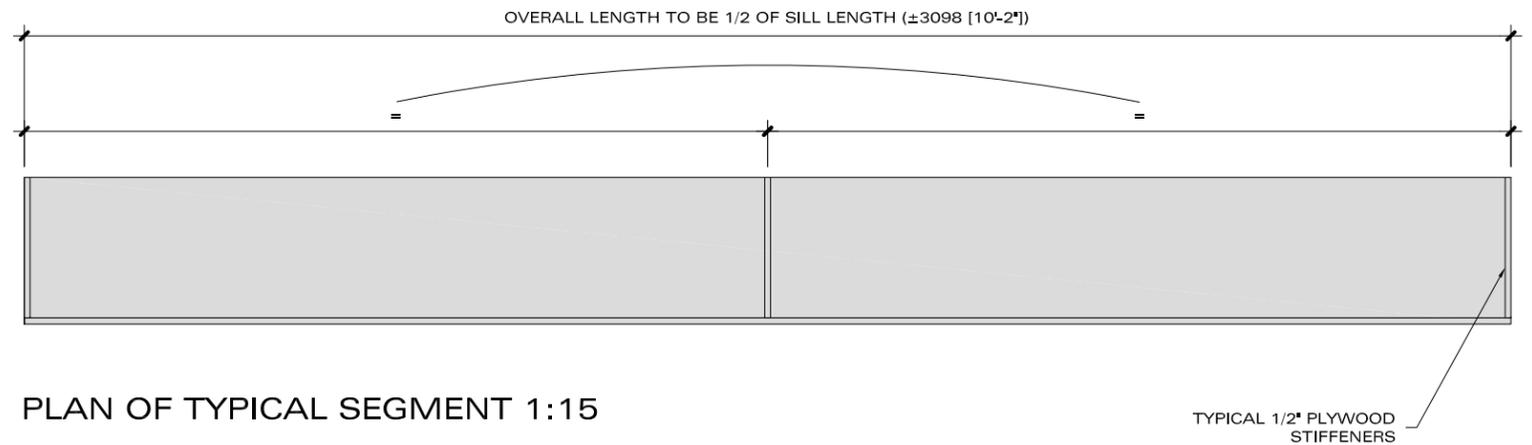
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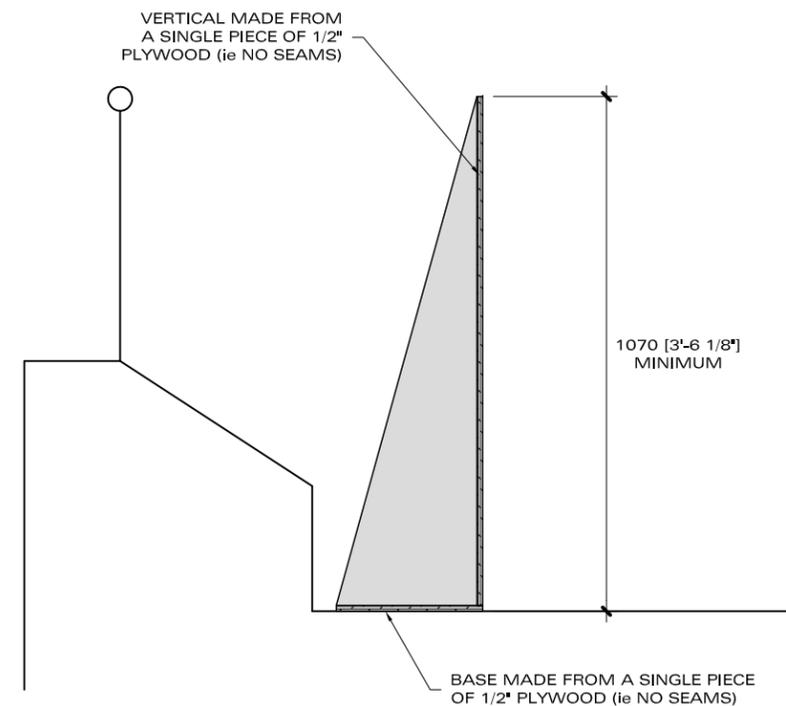
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PLAN OF GREAT HALL STAIRS 1:100



PLAN OF TYPICAL SEGMENT 1:15



SECTION E-E 1:15

NOTES

- THESE DETAILS HAVE BEEN SPECIFIED BY NGC
- CONTRACTOR IS TO SITE DIMENSION TO VERIFY LENGTHS PRIOR TO FABRICATION
- ALL PLYWOOD IS TO BE SANDED GOOD BOTH SIDES. ALL EXPOSED EDGES ARE TO BE SANDED SMOOTH WITH NO VOIDS
- ALL VISIBLE PLYWOOD IS TO BE PRIMED AND PAINTED BENJAMIN MOORE 2126-50 GRAY TIMBER WOLF. PRIME PLUS MINIMUM 1 TOP COAT PLUS ADDITIONAL COATS AS NECESSARY TO BRING TO A UNIFORM APPEARANCE

NOTES

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REVISIONS

- Rev A not used
- Rev B not used
- Rev C not used
- Rev D not used
- Rev E 2017.01.19 Issued for final coordination
- Rev F 2017.02.15 Issued for final client review
- Rev G 2017.03.03 Issued for tender

CLIENT

 National Gallery of Canada / Musée des beaux-arts du Canada

PROJECT

Temp. works for Colonnade & Main Entrance window / roof & sloped sill

DRAWING TITLE

Level 6000 details as proposed

JOB No

1197

DRWG No

1197-22'G'

DATE

Jan 2017



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